SAR TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

FOR

Mobile Phone

ISSUED TO
Guangdong OPPO Mobile Telecommunications Corp., Ltd.

NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China

Report No.:	BL-SZ21B0785-701
EUT Name:	Mobile Phone
Model Name:	CPH2343
Brand Name:	OPPO
FCC ID:	R9C-CPH2343
Test Standard:	47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Head (1 g): 1.19 W/kg Body (1 g): 0.71 W/kg Hotspot (1 g): 0.87 W/kg Specific (10 g): 2.37 W/kg
Test Conclusion:	Pass
Test Date:	Dec. 17, 2021 ~ Jan. 16, 2022
Date of Issue:	Jan. 24, 2022

Tested by: Zhang Jiwei
Date: Jan. 24, 2022

Approved by: Wei Yanquan
(Chief Engineer)
Date: Jan. 24, 2022

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Revision History

Version	Issue Date	Revisions Content
Rev. 01	Jan. 24, 2022	Initial Issue

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1 GENERAL INFORMATION

1.1 Identification of the Testing Laboratory

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

1.2 Identification of the Responsible Testing Location

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

1.3 Test Environment Condition

Ambient Temperature	20℃ to 23℃
Ambient Relative Humidity	31% to 48%
Ambient Pressure	100 KPa to 102 KPa

1.4 Announce

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

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

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

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

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

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

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

2 PRODUCT INFORMATION

2.1 Applicant Information

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

2.2 Manufacturer Information

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

2.3 Factory Information

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

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	CPH2343
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	ColorOS12.0.1
Dimensions (Approx.)	159.85x73.19x7.49 (mm)
Weight (Approx.)	173g
EUT ID	S01, S02, S03
IMEI Number	S01: 863614050029796
	S02: 863614050029499
	S03: 863614050032212
Note1: EUT ID is used to identify the test sample in the lab internally. Note2: It is performed to test SAR with the EUT S01 and S02 and conducted power with the EUT S03.	

2.5 Ancillary Equipment

Ancillary Equipment 1	Li-Polymer Battery 1	
	Brand Name	OPPO
	Model No.	BLP907
	Serial No.	N/A
	Capacitance	Rated: 4385mAh/16.96Wh Typical: 4500mAh/17.41Wh
	Rated Voltage	3.87 V
	Limited Voltage	4.45 V
	Manufacturer	SUNWODA Electronic Co., Ltd
Ancillary Equipment 2	Li-Polymer Battery 2	
	Brand Name	OPPO
	Model No.	BLP907
	Serial No.	N/A
	Capacitance	Rated: 4385mAh/16.96Wh Typical: 4500mAh/17.41Wh
	Rated Voltage	3.87 V
	Limited Voltage	4.45 V
	Manufacturer	Chongqing CosMX Battery Co., Ltd.
Ancillary Equipment 3	Li-Polymer Battery 3	
	Brand Name	OPPO
	Model No.	BLP907
	Serial No.	N/A
	Capacitance	Rated: 4385mAh/16.96Wh Typical: 4500mAh/17.41Wh
	Rated Voltage	3.87 V
	Limited Voltage	4.45 V
	Manufacturer	TWS Technology (Guangzhou) Limited
Ancillary Equipment 4	Li-Polymer Battery 4	
	Brand Name	OPPO
	Model No.	BLP907
	Serial No.	N/A
	Capacitance	Rated: 4385mAh/16.96Wh Typical: 4500mAh/17.41Wh
	Rated Voltage	3.87 V
	Limited Voltage	4.45 V
	Manufacturer	PT. Battery Technology Indonesia
Ancillary Equipment 5	Headset	
	Model No.	MH156
	Length (Approx.)	1.0 m
Note: The EUT has four Batterys, they are same with electrical parameters, but only differ in Manufacturer and battery cell. By comparing the test data of four Batteries, battery 2 can produce a more conservative SAR values. The battery of the Manufacturer is Chongqing CosMX Battery Co., Ltd. as the main for test in this report.		

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/17/26/66 TDD LTE Band 38/41 LTE CA Uplink (UL): CA_7C, CA_38C, CA_41C 5G Network SA: NR n5/n7/n38/n41 NSA(EN-DC): NSA: DC_7A_n5A, DC_5A_n7A, DC_66A_n7A, DC_26A_n41A 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, NFC
Note : The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA, LTE and NR and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

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

Operating Mode	GSM, WCDMA, LTE, NR, WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	NR n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	NR n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	NR n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	NR n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	802.11b/g	2412 ~ 2462 MHz	
	802.11n(HT20/HT40)	2412 ~ 2462 MHz	
	802.11a	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	802.11n(HT20/HT40)	5150 ~ 5250 MHz	

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

Note:
1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for held-to-ear exposure conditions.
2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for near to body exposure conditions.
3. The reduction power details please refer section 8.8.

3 SUMMARY OF TEST RESULT

3.1 Test Standards

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

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR (1 g Value)

Band	Maximum Scaled SAR (W/kg)			Maximum Report SAR (W/kg)		
	Head	Body-worn Accessory	Hotspot	Head	Body-worn Accessory	Hotspot
GSM 850	0.44	0.27	0.41	1.19	0.71	0.87
GSM 1900	0.46	0.16	0.48			
WCDMA Band 2	0.57	0.36	0.52			
WCDMA Band 4	0.58	0.29	0.68			
WCDMA Band 5	0.65	0.23	0.38			
LTE Band 2	0.55	0.14	0.49			
LTE Band 4	0.60	0.21	0.60			
LTE Band 5	0.69	0.22	0.39			
LTE Band 7	0.63	0.14	0.42			
LTE Band 12	0.62	0.30	0.38			
LTE Band 26	0.53	0.30	0.36			
LTE Band 66	0.67	0.20	0.61			
LTE Band 38	0.80	0.32	0.72			
LTE Band 41	0.73	0.28	0.64			
NR n5	0.55	0.26	0.38			
NR n7	0.56	0.22	0.51			
NR n38	0.78	0.46	**0.87**			
NR n41	0.79	0.34	0.79			
2.4G WLAN	**1.19**	0.22	0.48			
5.2G WLAN	/	/	0.53			
5.3G WLAN	0.14	0.55	/			
5.6G WLAN	0.13	**0.71**	/			
5.8G WLAN	0.16	0.45	0.50			
Bluetooth	0.89	0.09	0.15			
Limit (W/kg)	1.6			1.6		
Verdict	Pass					

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

3.3.2 Highest Specific SAR (10 g Value)

Band	Maximum Scaled SAR (W/kg)	Maximum Report SAR (W/kg)
	Specific 10g	
5.3G WLAN	2.03	2.37
5.6G WLAN	**2.37**	
Limit (W/kg)	4.0	4.0
Verdict	Pass	

3.3.3 Highest Simultaneous SAR

Position	Simultaneous Configuration	Simultaneous SAR (W/kg)	Limit (W/kg)	Verdict
Head (1g)	DC_7A_n5A + 5G WIFI (Ant.7) + BT	1.58	1.6	Pass
Body-worn Accessory (1g)	DC_26A_n41A + 5G WIFI (Ant.7) + BT	1.06	1.6	Pass
Hotspot (1g)	DC_26A_n41A + 5G WIFI (Ant.7) + BT	1.53	1.6	Pass

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 1.192 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 2.372 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

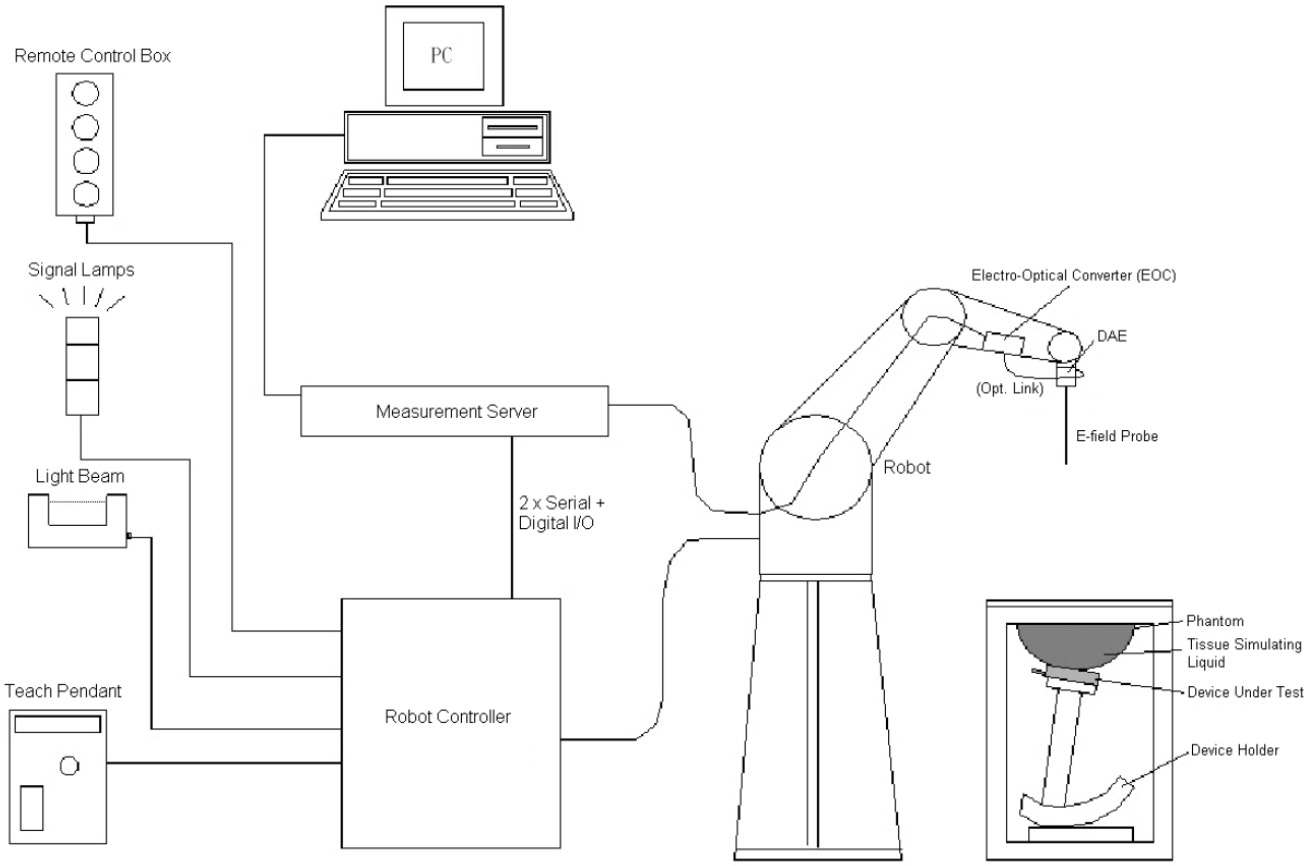
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^2}{\boldsymbol{\rho}}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



The DASY 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 DASY measurement server.
6. The DASY measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY 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:

Photo for DASY5

- 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 c onstruction shields)

Photo for DASY4

- 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 c onstruction 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 with following specifications is used.

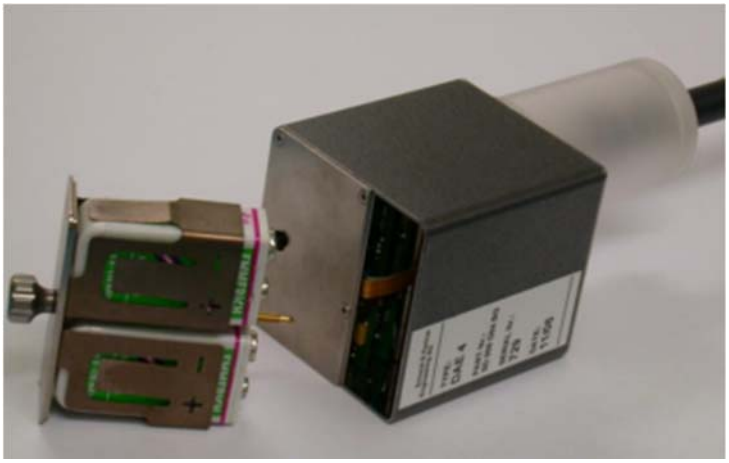
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz;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

E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

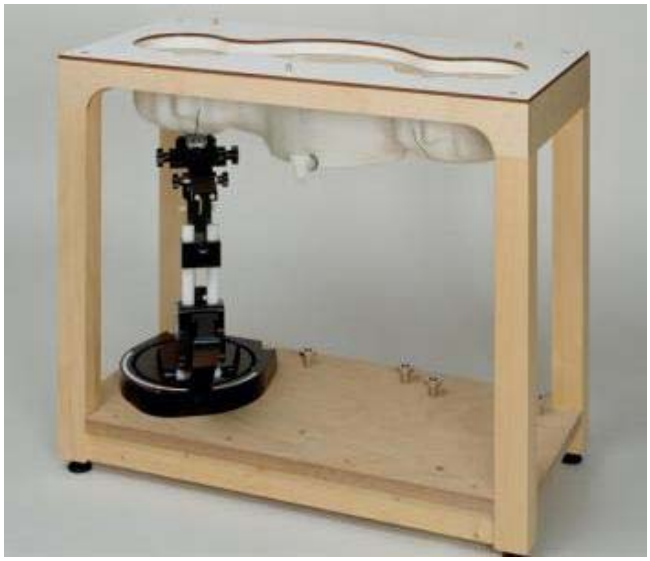
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



- Left hand
- Right hand
- Flat phantom

Photo of Phantom

Serial Number	Material	Length	Height
SN 1857 SAM1	Vinylester, glass fiber reinforced	1000	500
SN 1859 SAM2	Vinylester, glass fiber reinforced	1000	500
SN 1392 SAM3	Vinylester, glass fiber reinforced	1000	500

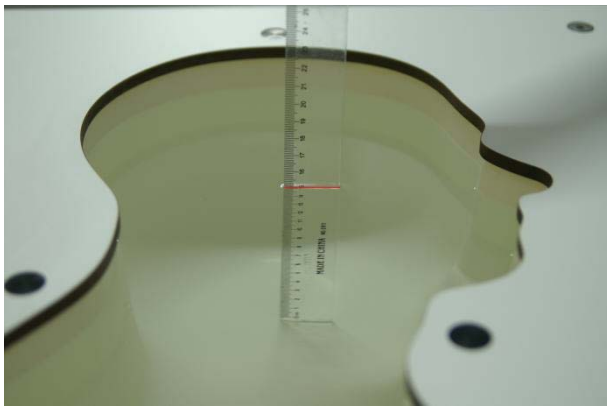
4.2.6 Device Holder

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

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

4.2.7 Simulating Liquid

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

Head Liquid Depth	Body Liquid Depth
	

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

Head (Reference IEEE1528)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
900	40.3	57.9	0.2	1.4	0.2	0	0.97	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.4	40.0
2450	55.0	0	0	0.1	0	44.9	1.80	39.2
2600	54.9	0	0	0.1	0	45.0	1.96	39.0
Frequency (MHz)	Water (%)	Hexyl Carbitol (%)			Triton X-100 (%)		Conductivity σ (S/m)	Permittivity ε
5200	62.52	17.24			17.24		4.66	36.0
5500	62.52	17.24			17.24		4.96	35.6
5800	62.52	17.24			17.24		5.27	35.3
Body (From instrument manufacturer)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	51.7	47.2	0	0.9	0.1	0	0.96	55.5
835	50.8	48.2	0	0.9	0.1	0	0.97	55.2
900	50.8	48.2	0	0.9	0.1	0	1.05	55.0
1800, 1900, 2000	70.2	0	0	0.4	0	29.4	1.52	53.3
2450	68.6	0	0	0.1	0	31.3	1.95	52.7
2600	68.2	0	0	0.1	0	31.7	2.16	52.5
Frequency(MHz)	Water	DGBE (%)			Salt (%)		Conductivity σ (S/m)	Permittivity ε
5200	78.60	21.40			/		5.54	47.86
5500	78.60	21.40			/		5.44	
5800	78.50	21.40			0.1		6.0	48.20

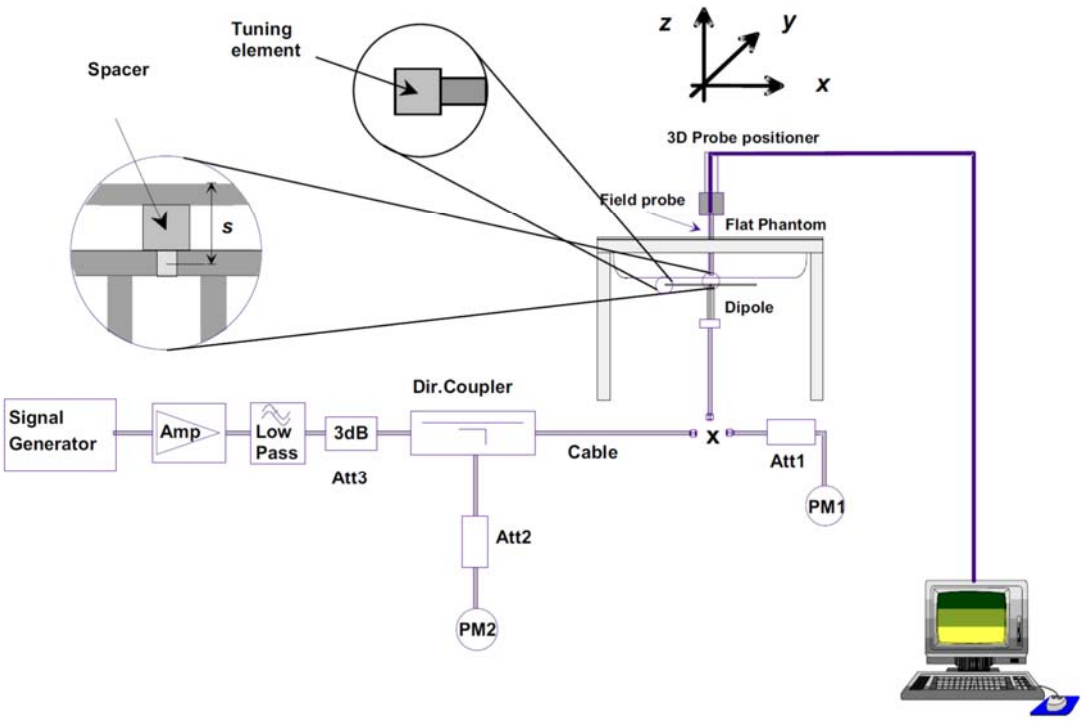
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

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

6.1 Head Exposure Conditions

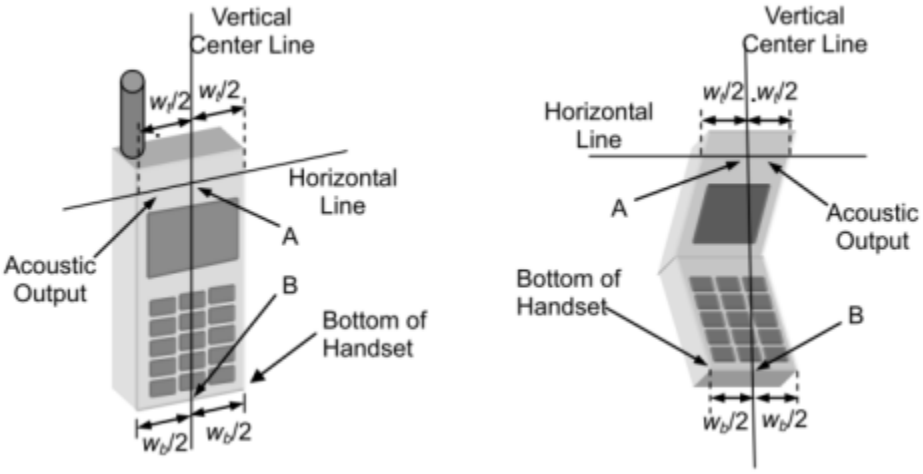
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

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

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

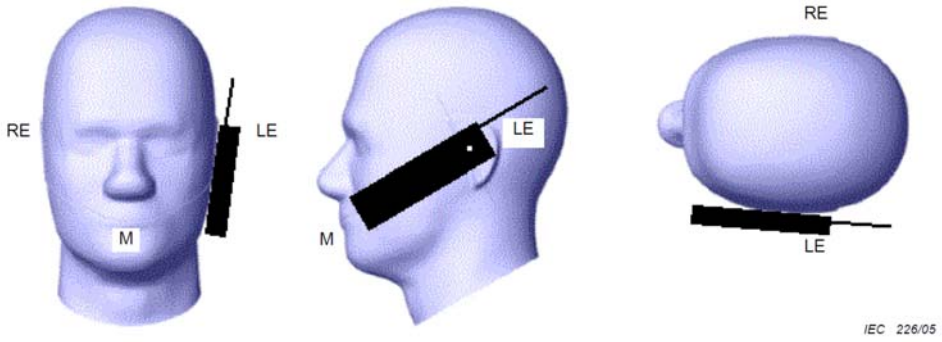
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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



6.1.2 Cheek Position

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

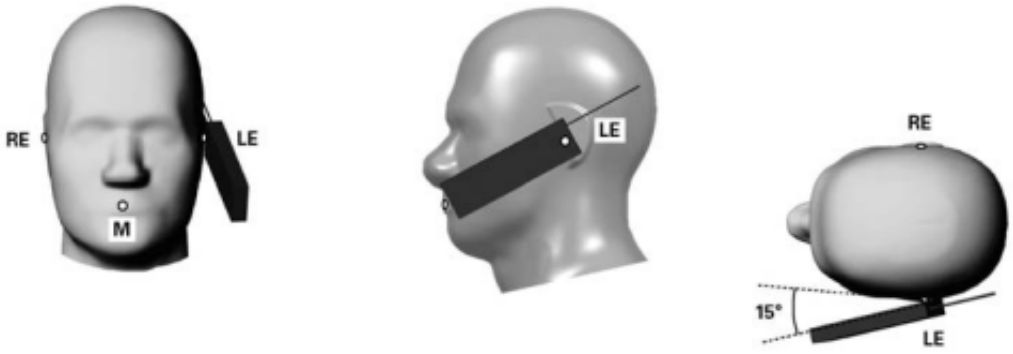
(b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with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



6.1.3 Tilted Position

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

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

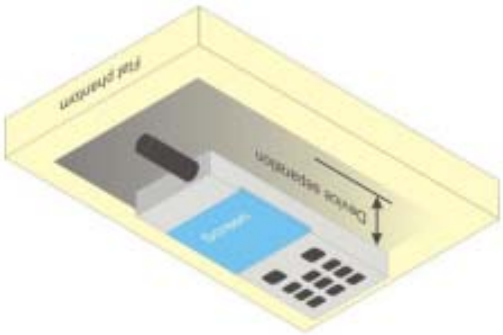


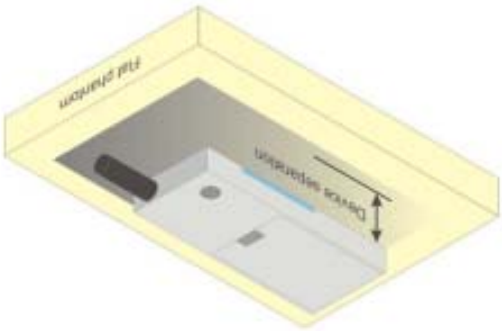
6.2 Body-worn Position Conditions

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

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

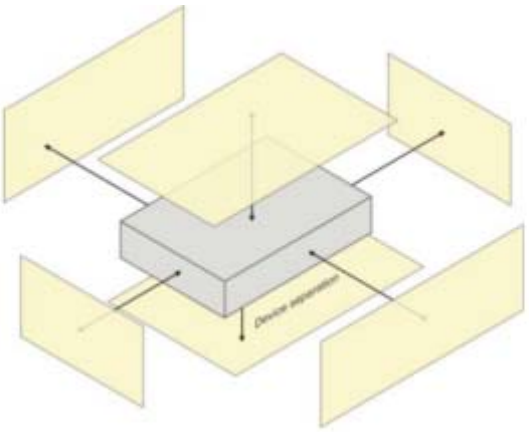
Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice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





6.3 Hotspot Mode Exposure Position Conditions

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



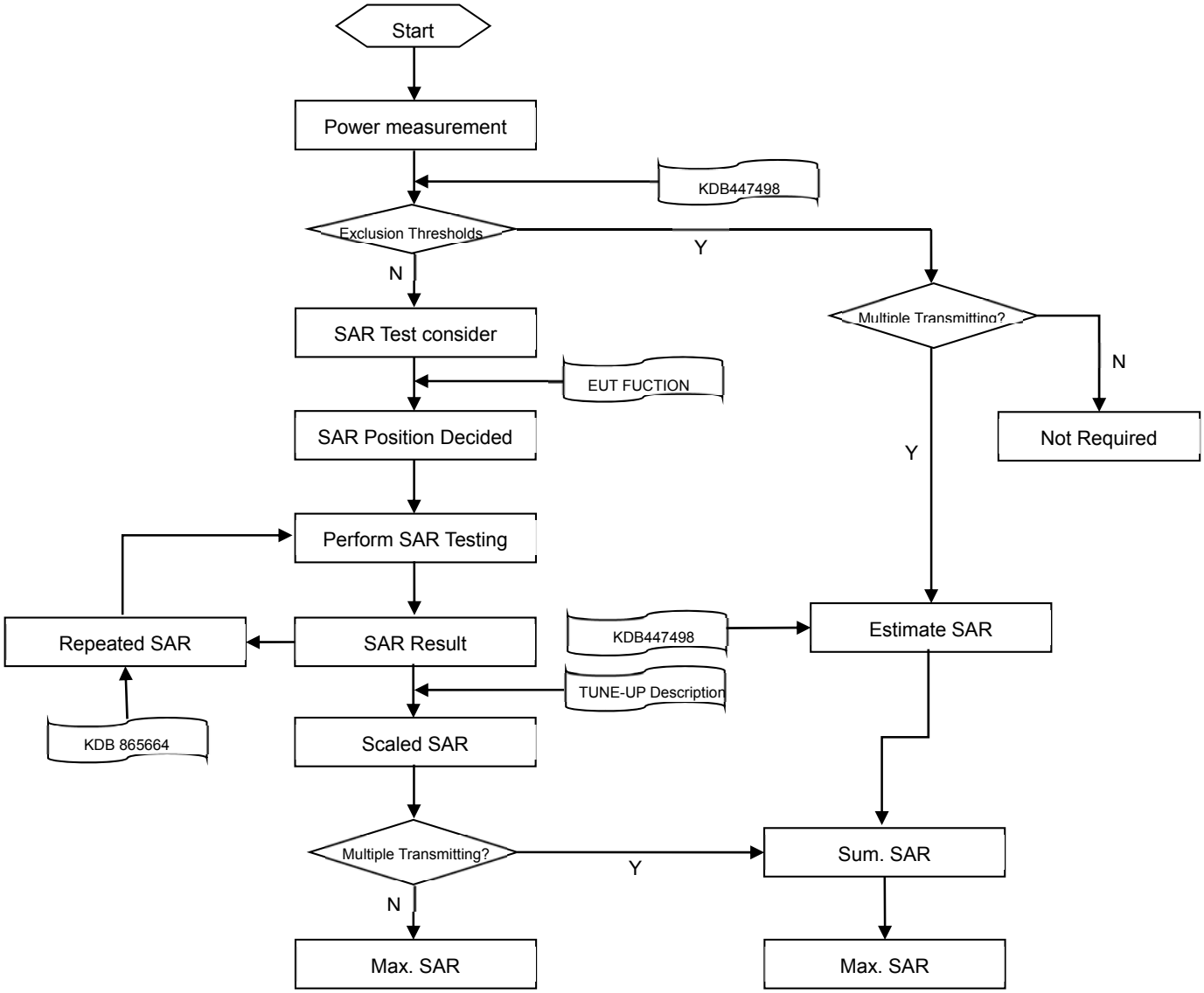
6.4 Product Specific 10g Exposure Consideration

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

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

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

7.3 Measurement Procedure

The following steps are used for each test position

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

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

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

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

7.4 Area & Zoom Scan Procedure

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

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

8 CONDUCTED RF OUPUT POWER

8.1 GSM

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

8.2 WCDMA

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

8.3 LTE

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

8.4 Intra-Band Uplink CA Power

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

8.5 5G NR

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

8.6 WIFI

8.6.1 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.53	20.00	Yes
		6	2437	**18.87**	20.00	Yes
		11	2462	18.21	20.00	Yes
	802.11g	1	2412	17.27	19.00	No
		6	2437	17.80	19.50	No
		11	2462	17.98	19.50	No
	802.11n(HT20)	1	2412	17.99	19.50	No
		6	2437	17.79	19.50	No
		11	2462	17.85	19.50	No
	802.11n(HT40)	3	2422	16.33	18.00	No
		4	2427	16.55	18.50	No
		5	2432	17.51	19.50	No
		6	2437	15.24	17.00	No
		7	2442	14.78	16.50	No
		8	2447	14.68	16.50	No
		9	2452	14.73	16.50	No

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

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

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

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

Adjusted SAR =1.192 * (89.13mW/100.00mW) = 1.06 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.2 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	15.46	17.00	Yes
		6	2437	**15.89**	17.00	Yes
		11	2462	15.33	17.00	Yes
	802.11g	1	2412	14.36	16.00	No
		6	2437	14.79	16.50	No
		11	2462	14.84	16.50	No
	802.11n(HT20)	1	2412	14.99	16.50	No
		6	2437	14.88	16.50	No
		11	2462	14.82	16.50	No
	802.11n(HT40)	3	2422	14.88	16.50	No
		6	2437	14.87	16.50	No
		9	2452	14.73	16.50	No

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

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

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

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

Adjusted SAR =1.192 * (44.67mW/50.12mW) = 1.06 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.3 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	13.28	15.00	Yes
		6	2437	**13.41**	15.00	Yes
		11	2462	13.37	15.00	Yes
	802.11g	1	2412	12.37	14.00	No
		6	2437	12.86	14.50	No
		11	2462	12.80	14.50	No
	802.11n(HT20)	1	2412	12.89	14.50	No
		6	2437	12.99	14.50	No
		11	2462	12.89	14.50	No
	802.11n(HT40)	3	2422	12.83	14.50	No
		7	2442	12.87	14.50	No
		11	2462	12.76	14.50	No

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

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

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

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

Adjusted SAR =1.192 * (28.18mW/31.62mW) = 1.06 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.4 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	18.53	20.00	Yes
		6	2437	**18.87**	20.00	Yes
		11	2462	18.21	20.00	Yes
	802.11g	1	2412	17.27	19.00	No
		6	2437	17.80	19.50	No
		11	2462	17.98	19.50	No
	802.11n(HT20)	1	2412	17.99	19.50	No
		6	2437	17.79	19.50	No
		11	2462	17.85	19.50	No
	802.11n(HT40)	3	2422	16.33	18.00	No
		4	2427	16.55	18.50	No
		5	2432	17.51	19.50	No
		6	2437	15.24	17.00	No
		7	2442	14.78	16.50	No
		8	2447	14.68	16.50	No
		9	2452	14.73	16.50	No

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

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

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

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

Adjusted SAR =1.192 * (89.13mW/100.00mW) = 1.06 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.5 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	18.53	20.00	Yes
		6	2437	**18.87**	20.00	Yes
		11	2462	18.21	20.00	Yes
	802.11g	1	2412	17.27	19.00	No
		6	2437	17.80	19.50	No
		11	2462	17.98	19.50	No
	802.11n(HT20)	1	2412	17.99	19.50	No
		6	2437	17.79	19.50	No
		11	2462	17.85	19.50	No
	802.11n(HT40)	3	2422	16.33	18.00	No
		4	2427	16.55	18.50	No
		5	2432	17.51	19.50	No
		6	2437	15.24	17.00	No
		7	2442	14.78	16.50	No
		8	2447	14.68	16.50	No
		9	2452	14.73	16.50	No

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

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

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

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

Adjusted SAR =1.192 * (89.13mW/100.00mW) = 1.06 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.6 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.82	19.50	No
		44	5220	17.69	19.50	No
		48	5240	17.78	19.50	No
	802.11n(HT20)	36	5180	17.74	19.50	No
		44	5220	17.96	19.50	No
		48	5240	17.94	19.50	No
	802.11n(HT40)	38	5190	16.01	18.00	No
		46	5230	17.90	19.50	No
	802.11ac(VHT20)	36	5180	17.76	19.50	No
		44	5220	17.92	19.50	No
		48	5240	17.93	19.50	No
	802.11ac(VHT40)	38	5190	16.09	18.00	No
		46	5230	17.96	19.50	No
	802.11ac(VHT80)	42	5210	14.63	16.50	No
5.3 (5.25~5.35)	802.11a	52	5260	17.78	19.50	No
		60	5300	17.68	19.50	No
		64	5320	17.70	19.50	No
	802.11n(HT20)	52	5260	17.82	19.50	No
		60	5300	17.94	19.50	No
		64	5320	17.91	19.50	No
	802.11n(HT40)	54	5270	**17.92**	19.50	Yes
		62	5310	14.70	16.50	Yes
	802.11ac(VHT20)	52	5260	17.81	19.50	No
		60	5300	17.95	19.50	No
		64	5320	17.97	19.50	No
	802.11ac(VHT40)	54	5270	17.92	19.50	No
		62	5310	14.58	16.50	No
	802.11ac(VHT80)	58	5290	15.58	17.50	No
5.6 (5.47~5.725)	802.11a	100	5500	17.85	19.50	No
		116	5580	17.76	19.50	No
		140	5700	17.73	19.50	No
	802.11n(HT20)	100	5500	17.81	19.50	No
		116	5580	17.87	19.50	No
		140	5700	17.86	19.50	No
	802.11n(HT40)	102	5510	15.29	17.00	No
		110	5550	17.88	19.50	No
		118	5590	17.81	19.50	No
		134	5670	17.83	19.50	No

	802.11ac(VHT20)	100	5500	17.91	19.50	No
		116	5580	17.87	19.50	No
		140	5700	17.97	19.50	No
	802.11ac(VHT40)	102	5510	15.72	17.50	No
		110	5550	17.91	19.50	No
		118	5590	17.99	19.50	No
		134	5670	17.99	19.50	No
	802.11ac(VHT80)	106	5530	14.24	16.00	Yes
		122	5610	**17.90**	19.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	17.69	19.50	No
		157	5785	17.71	19.50	No
		165	5825	17.91	19.50	No
	802.11n(HT20)	149	5745	17.82	19.50	No
		165	5825	17.71	19.50	No
	802.11n(HT40)	151	5755	17.79	19.50	No
		159	5795	17.79	19.50	No
	802.11ac(VHT20)	149	5745	17.87	19.50	No
		165	5825	17.96	19.50	No
	802.11ac(VHT40)	151	5755	17.70	19.50	No
		159	5795	17.68	19.50	No
	802.11ac(VHT80)	155	5775	**17.79**	19.50	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.7 5G WIFI-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	6.85	8.50	No
		44	5220	6.90	8.50	No
		48	5240	6.93	8.50	No
	802.11n(HT20)	36	5180	6.93	8.50	No
		44	5220	6.83	8.50	No
		48	5240	6.82	8.50	No
	802.11n(HT40)	38	5190	6.74	8.50	No
		46	5230	6.92	8.50	No
	802.11ac(VHT20)	36	5180	6.74	8.50	No
		44	5220	6.70	8.50	No
		48	5240	6.66	8.50	No
	802.11ac(VHT40)	38	5190	6.86	8.50	No
		46	5230	6.74	8.50	No
	802.11ac(VHT80)	42	5210	6.75	8.50	No
5.3 (5.25~5.35)	802.11a	52	5260	6.95	8.50	No
		60	5300	6.93	8.50	No
		64	5320	7.02	8.50	No
	802.11n(HT20)	52	5260	6.80	8.50	No
		60	5300	6.88	8.50	No
		64	5320	6.80	8.50	No
	802.11n(HT40)	54	5270	6.81	8.50	No
		62	5310	6.92	8.50	No
	802.11ac(VHT20)	52	5260	6.75	8.50	No
		60	5300	6.66	8.50	No
		64	5320	6.63	8.50	No
	802.11ac(VHT40)	54	5270	6.89	8.50	No
		62	5310	6.64	8.50	No
	802.11ac(VHT80)	58	5290	**6.77**	8.50	Yes
5.6 (5.47~5.725)	802.11a	100	5500	6.80	8.50	No
		116	5580	6.64	8.50	No
		140	5700	6.65	8.50	No
	802.11n(HT20)	100	5500	6.72	8.50	No
		116	5580	6.79	8.50	No
		140	5700	6.74	8.50	No
	802.11n(HT40)	102	5510	6.92	8.50	No
		118	5590	6.91	8.50	No
		134	5670	6.95	8.50	No
	802.11ac(VHT20)	100	5500	6.82	8.50	No

		116	5580	6.60	8.50	No
		140	5700	6.68	8.50	No
	802.11ac(VHT40)	102	5510	6.83	8.50	No
		118	5590	6.88	8.50	No
		134	5670	6.90	8.50	No
	802.11ac(VHT80)	106	5530	**6.88**	8.50	Yes
		122	5610	6.68	8.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	7.75	9.50	No
		157	5785	7.86	9.50	No
		165	5825	7.77	9.50	No
	802.11n(HT20)	149	5745	7.92	9.50	No
		165	5825	7.86	9.50	No
	802.11n(HT40)	151	5755	7.61	9.50	No
		159	5795	7.64	9.50	No
	802.11ac(VHT20)	149	5745	7.99	9.50	No
		165	5825	7.81	9.50	No
	802.11ac(VHT40)	151	5755	7.78	9.50	No
		159	5795	7.77	9.50	No
	802.11ac(VHT80)	155	5775	**7.72**	9.50	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.8 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	4.75	6.50	No
		44	5220	4.88	6.50	No
		48	5240	4.86	6.50	No
	802.11n(HT20)	36	5180	4.85	6.50	No
		44	5220	4.92	6.50	No
		48	5240	4.95	6.50	No
	802.11n(HT40)	38	5190	4.78	6.50	No
		46	5230	4.74	6.50	No
	802.11ac(VHT20)	36	5180	4.89	6.50	No
		44	5220	4.94	6.50	No
		48	5240	4.99	6.50	No
	802.11ac(VHT40)	38	5190	4.81	6.50	No
		46	5230	4.82	6.50	No
	802.11ac(VHT80)	42	5210	4.85	6.50	No
5.3 (5.25~5.35)	802.11a	52	5260	4.87	6.50	No
		60	5300	4.83	6.50	No
		64	5320	4.83	6.50	No
	802.11n(HT20)	52	5260	4.82	6.50	No
		60	5300	4.93	6.50	No
		64	5320	4.95	6.50	No
	802.11n(HT40)	54	5270	4.91	6.50	No
		62	5310	4.80	6.50	No
	802.11ac(VHT20)	52	5260	4.84	6.50	No
		60	5300	4.88	6.50	No
		64	5320	4.90	6.50	No
	802.11ac(VHT40)	54	5270	4.74	6.50	No
		62	5310	4.82	6.50	No
	802.11ac(VHT80)	58	5290	**4.93**	6.50	Yes
5.6 (5.47~5.725)	802.11a	100	5500	4.80	6.50	No
		116	5580	4.99	6.50	No
		140	5700	4.94	6.50	No
	802.11n(HT20)	100	5500	4.81	6.50	No
		116	5580	4.91	6.50	No
		140	5700	4.85	6.50	No
	802.11n(HT40)	102	5510	4.73	6.50	No
		118	5590	4.73	6.50	No
		134	5670	4.72	6.50	No
	802.11ac(VHT20)	100	5500	5.01	6.50	No

		116	5580	4.73	6.50	No
		140	5700	4.75	6.50	No
	802.11ac(VHT40)	102	5510	4.96	6.50	No
		118	5590	4.86	6.50	No
		134	5670	4.92	6.50	No
	802.11ac(VHT80)	106	5530	**5.02**	6.50	Yes
		122	5610	4.91	6.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	5.90	7.50	No
		157	5785	5.96	7.50	No
		165	5825	5.87	7.50	No
	802.11n(HT20)	149	5745	5.93	7.50	No
		165	5825	5.76	7.50	No
	802.11n(HT40)	151	5755	5.80	7.50	No
		159	5795	5.93	7.50	No
	802.11ac(VHT20)	149	5745	5.93	7.50	No
		165	5825	5.94	7.50	No
	802.11ac(VHT40)	151	5755	5.68	7.50	No
		159	5795	5.75	7.50	No
	802.11ac(VHT80)	155	5775	**5.98**	7.50	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.9 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	17.82	19.50	No
		44	5220	17.69	19.50	No
		48	5240	17.78	19.50	No
	802.11n(HT20)	36	5180	17.74	19.50	No
		44	5220	17.96	19.50	No
		48	5240	17.94	19.50	No
	802.11n(HT40)	38	5190	16.01	18.00	Yes
		46	5230	**17.90**	19.50	Yes
	802.11ac(VHT20)	36	5180	17.76	19.50	No
		44	5220	17.92	19.50	No
		48	5240	17.93	19.50	No
	802.11ac(VHT40)	38	5190	16.09	18.00	No
		46	5230	17.96	19.50	No
	802.11ac(VHT80)	42	5210	14.63	16.50	No
5.3 (5.25~5.35)	802.11a	52	5260	17.78	19.50	No
		60	5300	17.68	19.50	No
		64	5320	17.70	19.50	No
	802.11n(HT20)	52	5260	17.82	19.50	No
		60	5300	17.94	19.50	No
		64	5320	17.91	19.50	No
	802.11n(HT40)	54	5270	**17.92**	19.50	Yes
		62	5310	14.70	16.50	Yes
	802.11ac(VHT20)	52	5260	17.81	19.50	No
		60	5300	17.95	19.50	No
		64	5320	17.97	19.50	No
	802.11ac(VHT40)	54	5270	17.92	19.50	No
		62	5310	14.58	16.50	No
	802.11ac(VHT80)	58	5290	15.58	17.50	No
5.6 (5.47~5.725)	802.11a	100	5500	17.85	19.50	No
		116	5580	17.76	19.50	No
		140	5700	17.73	19.50	No
	802.11n(HT20)	100	5500	17.81	19.50	No
		116	5580	17.87	19.50	No
		140	5700	17.86	19.50	No
	802.11n(HT40)	102	5510	15.29	17.00	No
		110	5550	17.88	19.50	No
		118	5590	17.81	19.50	No
		134	5670	17.83	19.50	No

	802.11ac(VHT20)	100	5500	17.91	19.50	No
		116	5580	17.87	19.50	No
		140	5700	17.97	19.50	No
	802.11ac(VHT40)	102	5510	15.72	17.50	No
		110	5550	17.91	19.50	No
		118	5590	17.99	19.50	No
		134	5670	17.99	19.50	No
	802.11ac(VHT80)	106	5530	14.24	16.00	Yes
		122	5610	**17.90**	19.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	17.69	19.50	No
		157	5785	17.71	19.50	No
		165	5825	17.91	19.50	No
	802.11n(HT20)	149	5745	17.82	19.50	No
		165	5825	17.71	19.50	No
	802.11n(HT40)	151	5755	17.79	19.50	No
		159	5795	17.79	19.50	No
	802.11ac(VHT20)	149	5745	17.87	19.50	No
		165	5825	17.96	19.50	No
	802.11ac(VHT40)	151	5755	17.70	19.50	No
		159	5795	17.68	19.50	No
	802.11ac(VHT80)	155	5775	**17.79**	19.50	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.10 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	14.76	16.50	No
		44	5220	14.74	16.50	No
		48	5240	14.79	16.50	No
	802.11n(HT20)	36	5180	14.85	16.50	No
		44	5220	14.88	16.50	No
		48	5240	14.95	16.50	No
	802.11n(HT40)	38	5190	14.87	16.50	No
		46	5230	14.80	16.50	No
	802.11ac(VHT20)	36	5180	14.72	16.50	No
		44	5220	14.84	16.50	No
		48	5240	14.73	16.50	No
	802.11ac(VHT40)	38	5190	14.74	16.50	No
		46	5230	15.02	16.50	No
	802.11ac(VHT80)	42	5210	**14.63**	16.50	Yes
5.3 (5.25~5.35)	802.11a	52	5260	14.82	16.50	No
		60	5300	14.86	16.50	No
		64	5320	14.81	16.50	No
	802.11n(HT20)	52	5260	14.93	16.50	No
		60	5300	14.92	16.50	No
		64	5320	14.89	16.50	No
	802.11n(HT40)	54	5270	14.93	16.50	No
		62	5310	14.70	16.50	No
	802.11ac(VHT20)	52	5260	14.83	16.50	No
		60	5300	14.80	16.50	No
		64	5320	14.83	16.50	No
	802.11ac(VHT40)	54	5270	14.75	16.50	No
		62	5310	14.58	16.50	No
	802.11ac(VHT80)	58	5290	**14.93**	16.50	Yes
5.6 (5.47~5.725)	802.11a	100	5500	15.01	16.50	No
		116	5580	14.84	16.50	No
		140	5700	14.80	16.50	No
	802.11n(HT20)	100	5500	14.82	16.50	No
		116	5580	14.82	16.50	No
		140	5700	14.73	16.50	No
	802.11n(HT40)	102	5510	14.82	16.50	No
		118	5590	14.83	16.50	No
		134	5670	14.81	16.50	No
	802.11ac(VHT20)	100	5500	14.75	16.50	No

		116	5580	14.77	16.50	No
		140	5700	14.71	16.50	No
	802.11ac(VHT40)	102	5510	14.97	16.50	No
		118	5590	14.87	16.50	No
		134	5670	14.90	16.50	No
	802.11ac(VHT80)	106	5530	14.24	16.00	Yes
		122	5610	**14.82**	16.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	14.80	16.50	No
		157	5785	14.89	16.50	No
		165	5825	14.85	16.50	No
	802.11n(HT20)	149	5745	14.76	16.50	No
		165	5825	14.89	16.50	No
	802.11n(HT40)	151	5755	14.77	16.50	No
		159	5795	14.97	16.50	No
	802.11ac(VHT20)	149	5745	15.04	16.50	No
		165	5825	14.88	16.50	No
	802.11ac(VHT40)	151	5755	14.72	16.50	No
		159	5795	14.73	16.50	No
	802.11ac(VHT80)	155	5775	**14.89**	16.50	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

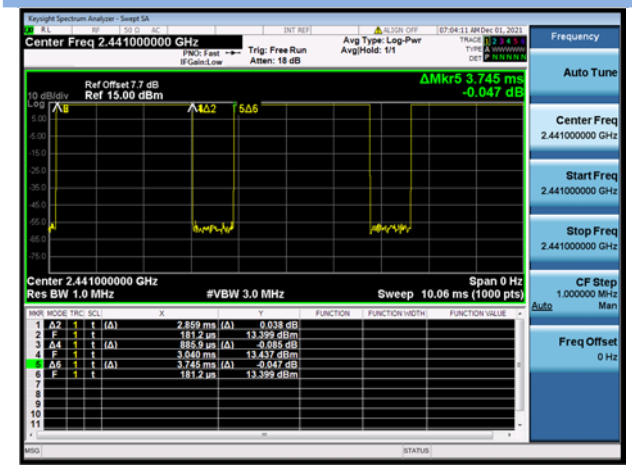
8.7 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	14.06	**14.53**	14.24	12.64	12.94	12.87
Tune-Up Limit (dBm)	16.00			15.00		
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	12.79	12.23	13.07	/	/	/
Tune-Up Limit (dBm)	15.00			/		
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	7.97	8.58	9.24	8.20	8.88	9.56
Tune-Up Limit (dBm)	10.00			10.00		

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

Duty Cycle

GFSK



8.8 Power Reduction List

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

WWAN Reduced Power Level Table

Reduced level	Receiver state	Transmitting conditions	Antenna	Power reduced bands
Level 1	On (head scenario)	WWAN Use Only & WWAN+WLAN	Ant.0	/
			Ant.1	GSM850/1900
				WCDMA B2/4/5
				LTE B2/4/5/7/12/17/26/66/38/41
				NR B5/7/38/41
			Ant.4	LTE B7/38/41
				NR B7/38/41
Level 2	Off (Body scenario)	WWAN Use Only & WWAN+WLAN	Ant.0	GSM1900
				WCDMA B2/4
				LTE B2/4/7/66/38/41
				NR B7
			Ant.1	GSM850/1900
				WCDMA B2/4
				LTE B2/4/7/66/38/41
				NR B7/38/41
			Ant.4	LTE B7/38/41
				NR B7/38/41

WWAN Antenna Power Table

Mode	Antenna	WWAN Antenna								
			Receiver on			Receiver off				
			Head			Body-Worn			Hotspot	
		Full Power	Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Simultaneous transmission	
				+2.4G WLAN	+5G WLAN		+2.4G WLAN	+5G WLAN	+2.4G WLAN	+5G WLAN
		Off	Level1	Level1	Level1	Level2	Level2	Level2	Level2	Level2
GSM 850	Ant0	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant0	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	Ant0	31.50	31.50	31.50	31.50	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	30.50	30.50	30.50	30.50
GPRS850 4 Tx Slots	Ant0	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50
EGPRS850 1 Tx Slot	Ant0	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 2 Tx Slots	Ant0	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	Ant0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
EGPRS850 4 Tx Slots	Ant0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
GSM 850	Ant1	33.50	27.50	27.50	27.50	33.00	33.00	33.00	33.00	33.00
GPRS850 1 Tx Slot	Ant1	33.50	27.50	27.50	27.50	33.00	33.00	33.00	33.00	33.00
GPRS850 2 Tx Slots	Ant1	31.50	25.50	25.50	25.50	31.00	31.00	31.00	31.00	31.00
GPRS850 3 Tx Slots	Ant1	30.50	24.50	24.50	24.50	30.00	30.00	30.00	30.00	30.00
GPRS850 4 Tx Slots	Ant1	28.50	22.50	22.50	22.50	28.00	28.00	28.00	28.00	28.00
EGPRS850 1 Tx Slot	Ant1	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 2 Tx Slots	Ant1	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	Ant1	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
EGPRS850 4 Tx Slots	Ant1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
GSM 1900	Ant0	30.50	30.50	30.50	30.50	28.00	28.00	28.00	28.00	28.00
GPRS1900 1 Tx Slot	Ant0	30.50	30.50	30.50	30.50	28.00	28.00	28.00	28.00	28.00
GPRS1900 2 Tx Slots	Ant0	28.00	28.00	28.00	28.00	25.50	25.50	25.50	25.50	25.50
GPRS1900 3 Tx Slots	Ant0	27.00	27.00	27.00	27.00	24.50	24.50	24.50	24.50	24.50
GPRS1900 4 Tx Slots	Ant0	25.50	25.50	25.50	25.50	23.00	23.00	23.00	23.00	23.00
EGPRS1900 1 Tx Slot	Ant0	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
EGPRS1900 2 Tx Slots	Ant0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS1900 3 Tx Slots	Ant0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
EGPRS1900 4 Tx Slots	Ant0	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
GSM 1900	Ant1	30.50	21.50	21.50	21.50	26.00	26.00	26.00	26.00	26.00
GPRS1900 1 Tx Slot	Ant1	30.50	21.50	21.50	21.50	26.00	26.00	26.00	26.00	26.00
GPRS1900 2 Tx Slots	Ant1	28.00	19.50	19.50	19.50	23.50	23.50	23.50	23.50	23.50
GPRS1900 3 Tx Slots	Ant1	27.00	18.50	18.50	18.50	22.50	22.50	22.50	22.50	22.50
GPRS1900 4 Tx Slots	Ant1	25.50	17.00	17.00	17.00	21.00	21.00	21.00	21.00	21.00
EGPRS1900 1 Tx Slot	Ant1	26.00	21.50	21.50	21.50	25.00	25.00	25.00	25.00	25.00
EGPRS1900 2 Tx Slots	Ant1	25.00	20.00	20.00	20.00	23.00	23.00	23.00	23.00	23.00

EGPRS1900 3 Tx Slots	Ant1	23.00	18.00	18.00	18.00	22.00	22.00	22.00	22.00	22.00
EGPRS1900 4 Tx Slots	Ant1	22.00	17.00	17.00	17.00	21.00	21.00	21.00	21.00	21.00
WCDMA Band2 RMC	Ant0	24.50	24.50	24.50	24.50	20.50	20.50	20.50	20.50	20.50
AMR	Ant0	24.50	24.50	24.50	24.50	20.50	20.50	20.50	20.50	20.50
HSDPA Subtest-1	Ant0	23.70	23.70	23.70	23.70	19.70	19.70	19.70	19.70	19.70
HSDPA Subtest-2	Ant0	23.70	23.70	23.70	23.70	19.70	19.70	19.70	19.70	19.70
HSDPA Subtest-3	Ant0	23.20	23.20	23.20	23.20	19.20	19.20	19.20	19.20	19.20
HSDPA Subtest-4	Ant0	23.20	23.20	23.20	23.20	19.20	19.20	19.20	19.20	19.20
HSUPA Subtest-1	Ant0	23.70	23.70	23.70	23.70	19.70	19.70	19.70	19.70	19.70
HSUPA Subtest-2	Ant0	21.70	21.70	21.70	21.70	17.70	17.70	17.70	17.70	17.70
HSUPA Subtest-3	Ant0	22.70	22.70	22.70	22.70	18.70	18.70	18.70	18.70	18.70
HSUPA Subtest-4	Ant0	21.70	21.70	21.70	21.70	17.70	17.70	17.70	17.70	17.70
HSUPA Subtest-5	Ant0	23.70	23.70	23.70	23.70	19.70	19.70	19.70	19.70	19.70
WCDMA Band2 RMC	Ant1	24.50	14.00	14.00	14.00	18.50	18.50	18.50	18.50	18.50
AMR	Ant1	24.50	14.00	14.00	14.00	18.50	18.50	18.50	18.50	18.50
HSDPA Subtest-1	Ant1	23.70	13.20	13.20	13.20	17.70	17.70	17.70	17.70	17.70
HSDPA Subtest-2	Ant1	23.70	13.20	13.20	13.20	17.70	17.70	17.70	17.70	17.70
HSDPA Subtest-3	Ant1	23.20	12.70	12.70	12.70	17.20	17.20	17.20	17.20	17.20
HSDPA Subtest-4	Ant1	23.20	12.70	12.70	12.70	17.20	17.20	17.20	17.20	17.20
HSUPA Subtest-1	Ant1	23.70	13.20	13.20	13.20	17.70	17.70	17.70	17.70	17.70
HSUPA Subtest-2	Ant1	21.70	11.20	11.20	11.20	15.70	15.70	15.70	15.70	15.70
HSUPA Subtest-3	Ant1	22.70	12.20	12.20	12.20	16.70	16.70	16.70	16.70	16.70
HSUPA Subtest-4	Ant1	21.70	11.20	11.20	11.20	15.70	15.70	15.70	15.70	15.70
HSUPA Subtest-5	Ant1	23.70	13.20	13.20	13.20	17.70	17.70	17.70	17.70	17.70
WCDMA Band4 RMC	Ant0	24.50	24.50	24.50	24.50	21.50	21.50	21.50	21.50	21.50
AMR	Ant0	24.50	24.50	24.50	24.50	21.50	21.50	21.50	21.50	21.50
HSDPA Subtest-1	Ant0	23.70	23.70	23.70	23.70	20.70	20.70	20.70	20.70	20.70
HSDPA Subtest-2	Ant0	23.70	23.70	23.70	23.70	20.70	20.70	20.70	20.70	20.70
HSDPA Subtest-3	Ant0	23.20	23.20	23.20	23.20	20.20	20.20	20.20	20.20	20.20
HSDPA Subtest-4	Ant0	23.20	23.20	23.20	23.20	20.20	20.20	20.20	20.20	20.20
HSUPA Subtest-1	Ant0	23.70	23.70	23.70	23.70	20.70	20.70	20.70	20.70	20.70
HSUPA Subtest-2	Ant0	21.70	21.70	21.70	21.70	18.70	18.70	18.70	18.70	18.70
HSUPA Subtest-3	Ant0	22.70	22.70	22.70	22.70	19.70	19.70	19.70	19.70	19.70
HSUPA Subtest-4	Ant0	21.70	21.70	21.70	21.70	18.70	18.70	18.70	18.70	18.70
HSUPA Subtest-5	Ant0	23.70	23.70	23.70	23.70	20.70	20.70	20.70	20.70	20.70
WCDMA Band4 RMC	Ant1	24.50	15.00	15.00	15.00	20.00	20.00	20.00	20.00	20.00
AMR	Ant1	24.50	15.00	15.00	15.00	20.00	20.00	20.00	20.00	20.00
HSDPA Subtest-1	Ant1	23.70	14.20	14.20	14.20	19.20	19.20	19.20	19.20	19.20
HSDPA Subtest-2	Ant1	23.70	14.20	14.20	14.20	19.20	19.20	19.20	19.20	19.20
HSDPA Subtest-3	Ant1	23.20	13.70	13.70	13.70	18.70	18.70	18.70	18.70	18.70
HSDPA Subtest-4	Ant1	23.20	13.70	13.70	13.70	18.70	18.70	18.70	18.70	18.70
HSUPA Subtest-1	Ant1	23.70	14.20	14.20	14.20	19.20	19.20	19.20	19.20	19.20
HSUPA Subtest-2	Ant1	21.70	12.20	12.20	12.20	17.20	17.20	17.20	17.20	17.20

HSUPA Subtest-3	Ant1	22.70	13.20	13.20	13.20	18.20	18.20	18.20	18.20	18.20
HSUPA Subtest-4	Ant1	21.70	12.20	12.20	12.20	17.20	17.20	17.20	17.20	17.20
HSUPA Subtest-5	Ant1	23.70	14.20	14.20	14.20	19.20	19.20	19.20	19.20	19.20
WCDMA Band5 RMC	Ant0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
AMR	Ant0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
HSDPA Subtest-1	Ant0	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70
HSDPA Subtest-2	Ant0	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70
HSDPA Subtest-3	Ant0	23.20	23.20	23.20	23.20	23.20	23.20	23.20	23.20	23.20
HSDPA Subtest-4	Ant0	23.20	23.20	23.20	23.20	23.20	23.20	23.20	23.20	23.20
HSUPA Subtest-1	Ant0	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70
HSUPA Subtest-2	Ant0	21.70	21.70	21.70	21.70	21.70	21.70	21.70	21.70	21.70
HSUPA Subtest-3	Ant0	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70
HSUPA Subtest-4	Ant0	21.70	21.70	21.70	21.70	21.70	21.70	21.70	21.70	21.70
HSUPA Subtest-5	Ant0	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70
WCDMA Band5 RMC	Ant1	25.00	21.00	21.00	21.00	25.00	25.00	25.00	25.00	25.00
AMR	Ant1	25.00	21.00	21.00	21.00	25.00	25.00	25.00	25.00	25.00
HSDPA Subtest-1	Ant1	23.70	19.70	19.70	19.70	23.70	23.70	23.70	23.70	23.70
HSDPA Subtest-2	Ant1	23.70	19.70	19.70	19.70	23.70	23.70	23.70	23.70	23.70
HSDPA Subtest-3	Ant1	23.20	19.20	19.20	19.20	23.20	23.20	23.20	23.20	23.20
HSDPA Subtest-4	Ant1	23.20	19.20	19.20	19.20	23.20	23.20	23.20	23.20	23.20
HSUPA Subtest-1	Ant1	23.70	19.70	19.70	19.70	23.70	23.70	23.70	23.70	23.70
HSUPA Subtest-2	Ant1	21.70	17.70	17.70	17.70	21.70	21.70	21.70	21.70	21.70
HSUPA Subtest-3	Ant1	22.70	18.70	18.70	18.70	22.70	22.70	22.70	22.70	22.70
HSUPA Subtest-4	Ant1	21.70	17.70	17.70	17.70	21.70	21.70	21.70	21.70	21.70
HSUPA Subtest-5	Ant1	23.70	19.70	19.70	19.70	23.70	23.70	23.70	23.70	23.70
LTE Band2	Ant0	24.00	24.00	24.00	24.00	20.50	20.50	20.50	20.50	20.50
LTE Band2	Ant1	24.00	14.00	14.00	14.00	18.00	18.00	18.00	18.00	18.00
LTE Band4	Ant0	24.80	24.80	24.80	24.80	21.80	21.80	21.80	21.80	21.80
LTE Band4	Ant1	24.80	15.30	15.30	15.30	20.30	20.30	20.30	20.30	20.30
LTE Band5	Ant0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band5	Ant1	25.00	21.00	21.00	21.00	25.00	25.00	25.00	25.00	25.00
LTE Band7	Ant0	24.20	24.20	24.20	24.20	21.70	21.70	21.70	21.70	21.70
LTE Band7	Ant1	24.20	16.70	16.70	16.70	18.70	18.70	18.70	18.70	18.70
LTE Band7	Ant4	22.80	19.30	19.30	19.30	18.80	18.80	18.80	18.80	18.80
LTE Band12	Ant0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band12	Ant1	25.00	24.00	24.00	24.00	25.00	25.00	25.00	25.00	25.00
LTE Band17	Ant0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band17	Ant1	25.00	24.00	24.00	24.00	25.00	25.00	25.00	25.00	25.00
LTE Band26	Ant0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band26	Ant1	25.00	21.00	21.00	21.00	25.00	25.00	25.00	25.00	25.00
LTE Band66	Ant0	24.80	24.80	24.80	24.80	21.80	21.80	21.80	21.80	21.80
LTE Band66	Ant1	24.80	15.80	15.80	15.80	20.30	20.30	20.30	20.30	20.30
LTE Band38	Ant0	24.50	24.50	24.50	24.50	23.50	23.50	23.50	23.50	23.50

LTE Band38	Ant1	24.50	16.50	16.50	16.50	21.30	21.30	21.30	21.30	21.30
LTE Band38	Ant4	23.10	21.60	21.60	21.60	21.60	21.60	21.60	21.60	21.60
LTE Band41	Ant0	24.50	24.50	24.50	24.50	23.50	23.50	23.50	23.50	23.50
LTE Band41	Ant1	24.50	16.50	16.50	16.50	21.50	21.50	21.50	21.50	21.50
LTE Band41	Ant4	23.10	21.60	21.60	21.60	21.10	21.10	21.10	21.10	21.10

SA&ENDC Antenna Power Table

Mode	Band	Antenna	SA&ENDC Antenna								
			Full Power	Receiver on			Receiver off				
				Head			Body-Worn			Hotspot	
				Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Simultaneous transmission	
					+2.4G WLAN	+5G WLAN		+2.4G WLAN	+5G WLAN	+2.4G WLAN	+5G WLAN
			Off	Level1	Level1	Level1	Level2	Level2	Level2	Level2	Level2
5G NR n5 (SA)	n5	Ant.0	25.20	25.20	25.20	25.20	25.20	25.20	25.20	25.20	25.20
5G NR n5 (SA)	n5	Ant.1	25.20	21.20	21.20	21.20	25.20	25.20	25.20	25.20	25.20
DC_7A+n5A	n5	Ant.0	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
	LTE Band7	Ant.1	24.00	16.50	16.50	16.50	18.50	18.50	18.50	18.50	18.50
	LTE Band7	Ant.4	23.00	19.50	19.50	19.50	19.00	19.00	19.00	19.00	19.00
DC_7A+n5A	n5	Ant.1	24.20	19.20	19.20	19.20	24.20	24.20	24.20	24.20	24.20
	LTE Band7	Ant.0	24.00	24.00	24.00	24.00	21.50	21.50	21.50	21.50	21.50
	LTE Band7	Ant.4	23.00	19.50	19.50	19.50	19.00	19.00	19.00	19.00	19.00
5G NR n7 (SA)	n7	Ant.0	24.20	24.20	24.20	24.20	21.70	21.70	21.70	21.70	21.70
5G NR n7 (SA)	n7	Ant.1	24.20	16.70	16.70	16.70	18.70	18.70	18.70	18.70	18.70
5G NR n7 (SA)	n7	Ant.4	22.80	19.30	19.30	19.30	18.80	18.80	18.80	18.80	18.80
DC_5A+n7A	n7	Ant.0	24.20	24.20	24.20	24.20	21.70	21.70	21.70	21.70	21.70
	LTE Band5	Ant.1	24.00	20.00	20.00	20.00	24.00	24.00	24.00	24.00	24.00
DC_5A+n7A	n7	Ant.1	24.20	16.70	16.70	16.70	18.70	18.70	18.70	18.70	18.70
	LTE Band5	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
DC_5A+n7A	n7	Ant.4	23.20	19.20	19.20	19.20	18.70	18.70	18.70	18.70	18.70
	LTE Band5	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
	LTE Band5	Ant.1	24.00	20.00	20.00	20.00	24.00	24.00	24.00	24.00	24.00
DC_66A+n7A	n7	Ant.0	24.20	24.20	24.20	24.20	21.70	21.70	21.70	21.70	21.70
	LTE Band66	Ant.1	24.00	15.00	15.00	15.00	19.50	19.50	19.50	19.50	19.50
DC_66A+n7A	n7	Ant.1	24.20	16.70	16.70	16.70	18.70	18.70	18.70	18.70	18.70
	LTE Band66	Ant.0	24.00	24.00	24.00	24.00	21.00	21.00	21.00	21.00	21.00
DC_66A+n7A	n7	Ant.4	23.20	19.20	19.20	19.20	18.70	18.70	18.70	18.70	18.70
	LTE Band66	Ant.0	24.00	24.00	24.00	24.00	21.00	21.00	21.00	21.00	21.00
	LTE Band66	Ant.1	24.00	15.00	15.00	15.00	19.50	19.50	19.50	19.50	19.50
5G NR n38 (SA)	n38	Ant.0	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
5G NR n38 (SA)	n38	Ant.1	24.20	16.20	16.20	16.20	19.70	19.70	19.70	19.70	19.70
5G NR n38 (SA)	n38	Ant.4	22.80	21.30	21.30	21.30	21.30	21.30	21.30	21.30	21.30

5G NR n41 (SA)	n41	Ant.0	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
5G NR n41 (SA)	n41	Ant.1	24.20	16.20	16.20	16.20	19.20	19.20	19.20	19.20	19.20
5G NR n41 (SA)	n41	Ant.4	22.80	21.30	21.30	21.30	20.80	20.80	20.80	20.80	20.80
DC_26A+n41A	n41	Ant.0	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
	LTE Band26	Ant.1	24.00	20.00	20.00	20.00	24.00	24.00	24.00	24.00	24.00
DC_26A+n41A	n41	Ant.1	24.20	16.20	16.20	16.20	19.20	19.20	19.20	19.20	19.20
	LTE Band26	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
DC_26A+n41A	n41	Ant.4	23.20	19.70	19.70	19.70	20.20	20.20	20.20	20.20	20.20
	LTE Band26	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
	LTE Band26	Ant.1	24.00	20.00	20.00	20.00	24.00	24.00	24.00	24.00	24.00

ENDC Antenna Power Table

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

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

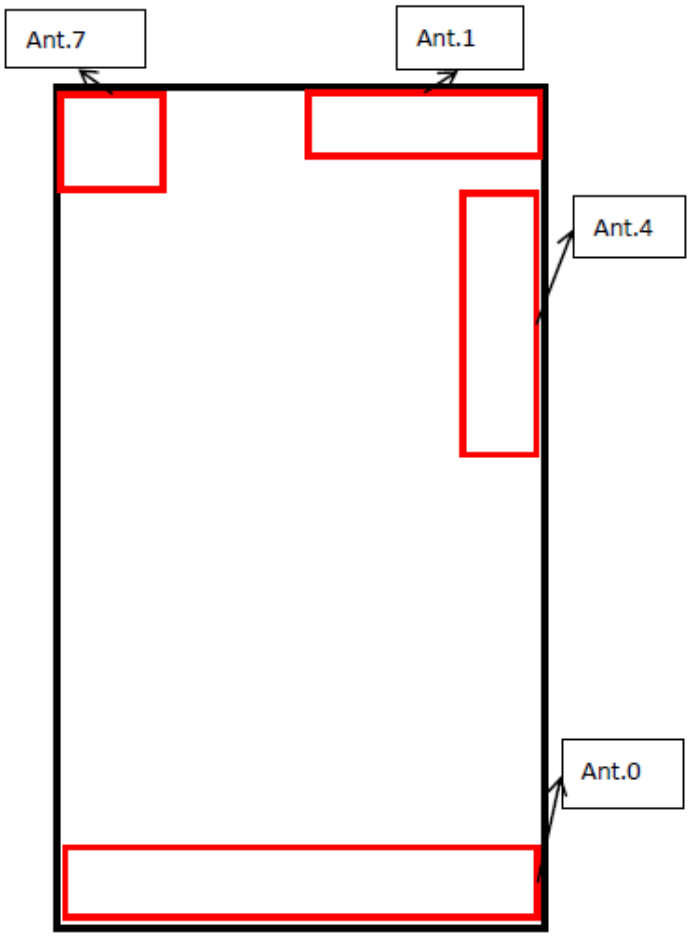
WLAN Reduced Power Level Table

Reduced level	Receiver state	Transmitting conditions	Antenna	Power reduced bands
Level 1	On (head scenario)	WLAN 2.4G Or WLAN 5G Use Only	Ant.7	WiIFI 2.4G
				WiIFI 5.2G/5.3G/5.6G/5.8G
Level 2	On (head scenario)	WWAN + WLAN 2.4G Or WWAN + WLAN 5G	Ant.7	WiIFI 2.4G
				WiIFI 5.2G/5.3G/5.6G/5.8G
Level 3	Off (Body scenario)	WLAN 2.4G Or WLAN 5G Use Only	Ant.7	/
Level 4	Off (Body scenario)	WWAN + WLAN 2.4G Or WWAN + WLAN 5G	Ant.7	WiIFI 5.2G/5.3G/5.6G/5.8G

WLAN Antenna Power Table

Mode	WLAN Antenna								
	Full Power	Receiver on			Receiver off				
		Head			Body-Worn			Hotspot	
		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Simultaneous transmission	
			WWAN+ 2.4G WIFI	WWAN+ 5G WIFI		WWAN+ 2.4G WIFI	WWAN+ 5G WIFI	WWAN+ 2.4G WIFI	WWAN+ 5G WIFI
	Off	Level1	Level2	Level2	Levle3	Level4	Level4	Level4	Level4
2.4G WLAN 802.11b	20.00	17.00	15.00	15.00	20.00	20.00	20.00	20.00	20.00
2.4G WLAN 802.11g	19.50	16.50	14.50	14.50	19.50	19.50	19.50	19.50	19.50
2.4G WLAN 802.11n20	19.50	16.50	14.50	14.50	19.50	19.50	19.50	19.50	19.50
2.4G WLAN 802.11n40	19.50	16.50	14.50	14.50	19.50	19.50	19.50	19.50	19.50
5.2G WLAN 802.11a	19.50	8.50	6.50	6.50	19.50	16.50	16.50	16.50	16.50
5.2G WLAN 802.11n20	19.50	8.50	6.50	6.50	19.50	16.50	16.50	16.50	16.50
5.2G WLAN 802.11n40	19.50	8.50	6.50	6.50	19.50	16.50	16.50	16.50	16.50
5.2G WLAN 802.11ac20	19.50	8.50	6.50	6.50	19.50	16.50	16.50	16.50	16.50
5.2G WLAN 802.11ac40	19.50	8.50	6.50	6.50	19.50	16.50	16.50	16.50	16.50
5.2G WLAN 802.11ac80	16.50	8.50	6.50	6.50	16.50	16.50	16.50	16.50	16.50
5.3G WLAN 802.11a	19.50	8.50	6.50	6.50	19.50	16.50	16.50	/	/
5.3G WLAN 802.11n20	19.50	8.50	6.50	6.50	19.50	16.50	16.50	/	/
5.3G WLAN 802.11n40	19.50	8.50	6.50	6.50	19.50	16.50	16.50	/	/
5.3G WLAN 802.11ac20	19.50	8.50	6.50	6.50	19.50	16.50	16.50	/	/
5.3G WLAN 802.11ac40	19.50	8.50	6.50	6.50	19.50	16.50	16.50	/	/
5.3G WLAN 802.11ac80	17.50	8.50	6.50	6.50	17.50	16.50	16.50	/	/
5.6G WLAN 802.11a	19.50	8.50	6.50	6.50	19.50	16.50	16.50	/	/
5.6G WLAN 802.11n20	19.50	8.50	6.50	6.50	19.50	16.50	16.50	/	/
5.6G WLAN 802.11n40	19.50	8.50	6.50	6.50	19.50	16.50	16.50	/	/
5.6G WLAN 802.11ac20	19.50	8.50	6.50	6.50	19.50	16.50	16.50	/	/
5.6G WLAN 802.11ac40	19.50	8.50	6.50	6.50	19.50	16.50	16.50	/	/
5.6G WLAN 802.11ac80	19.50	8.50	6.50	6.50	19.50	16.50	16.50	/	/
5.8G WLAN 802.11a	19.50	9.50	7.50	7.50	19.50	16.50	16.50	16.50	16.50
5.8G WLAN 802.11n20	19.50	9.50	7.50	7.50	19.50	16.50	16.50	16.50	16.50
5.8G WLAN 802.11n40	19.50	9.50	7.50	7.50	19.50	16.50	16.50	16.50	16.50
5.8G WLAN 802.11ac20	19.50	9.50	7.50	7.50	19.50	16.50	16.50	16.50	16.50
5.8G WLAN 802.11ac40	19.50	9.50	7.50	7.50	19.50	16.50	16.50	16.50	16.50
5.8G LAN 802.11ac80	19.50	9.50	7.50	7.50	19.50	16.50	16.50	16.50	16.50
Bluetooth	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00

9 TEST EXCLUSION CONSIDERATION



<EUT Back View>

Antenna	Description	Support Bands
Antenna 0	2/3/4G LMHB TX Antenna 5G NR LMHB TX Antenna	GSM 850/1900 WCDMA Band2/4/5 LTE Band2/4/5/7/12/17/26/66/38/41 NR n5/7/38/41
Antenna 1	2/3/4G LMHB TX Antenna 5G NR LMHB TX Antenna	GSM 850/1900 WCDMA Band2/4/5 LTE Band2/4/5/7/12/17/26/66/38/41 NR n5/7/38/41
Antenna 4	4G MHB TX Antenna 5G NR LMHB TX Antenna	LTE Band7/38/41 NR n7/38/41
Antenna 7	WLAN 2.4G/5G TX Antenna Bluetooth TX Antenna	2.4G/5G WLAN Bluetooth
Note1: WWAN TX antennas for certain frequency band can switch automatically, but only one antenna can transmit at same time. Note2: Middle and High frequency Band (MHB). Note3: Low frequency Band (LB).		

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

9.1 SAR Test Exclusion Consideration Table

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

ANT0

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	Data	30.50	1122.02	Yes	Yes	Yes	Yes	No	Yes
GSM 1900	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	Data	27.00	501.19	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 2	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 4	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	RMC	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 2	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 4	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 7	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	24.20	263.03	Yes	Yes	Yes	Yes	No	Yes
LTE Band 12	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 26	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 38	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 41	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 66	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
n5	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	DFT-s-OFDM QPSK	25.20	331.13	Yes	Yes	Yes	Yes	No	Yes
n7	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	Yes	No	Yes
n38	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	DFT-s-OFDM	24.20	263.03	Yes	Yes	Yes	Yes	No	Yes

	QPSK								
n41	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	Yes	No	Yes

ANT1

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	Data	30.00	1000.00	Yes	Yes	No	Yes	Yes	No
GSM 1900	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	Data	22.50	177.83	Yes	Yes	No	Yes	Yes	No
WCDMA Band 2	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	RMC	18.50	70.79	Yes	Yes	No	Yes	Yes	No
WCDMA Band 4	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	RMC	20.00	100.00	Yes	Yes	No	Yes	Yes	No
WCDMA Band 5	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	RMC	25.00	316.23	Yes	Yes	No	Yes	Yes	No
LTE Band 2	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	18.00	63.10	Yes	Yes	No	Yes	Yes	No
LTE Band 4	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	20.30	107.15	Yes	Yes	No	Yes	Yes	No
LTE Band 5	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	25.00	316.23	Yes	Yes	No	Yes	Yes	No
LTE Band 7	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	18.70	74.13	Yes	Yes	No	Yes	Yes	No
LTE Band 12	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	25.00	316.23	Yes	Yes	No	Yes	Yes	No
LTE Band 26	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	25.00	316.23	Yes	Yes	No	Yes	Yes	No
LTE Band 38	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	21.30	134.90	Yes	Yes	No	Yes	Yes	No
LTE Band 41	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	21.50	141.25	Yes	Yes	No	Yes	Yes	No
LTE Band 66	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	20.30	107.15	Yes	Yes	No	Yes	Yes	No
n5	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	25.20	331.13	Yes	Yes	No	Yes	Yes	No
n7	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	18.70	74.13	Yes	Yes	No	Yes	Yes	No
n38	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm

	DFT-s-OFDM QPSK	19.70	93.33	Yes	Yes	No	Yes	Yes	No
n41	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	19.20	83.18	Yes	Yes	No	Yes	Yes	No

ANT4

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
LTE Band 7	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	19.50	89.13	Yes	Yes	No	Yes	Yes	No
LTE Band 38	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	21.60	144.54	Yes	Yes	No	Yes	Yes	No
LTE Band 41	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	21.60	144.54	Yes	Yes	No	Yes	Yes	No
n7	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	19.30	85.11	Yes	Yes	No	Yes	Yes	No
n38	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	21.30	134.90	Yes	Yes	No	Yes	Yes	No
n41	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	21.30	134.90	Yes	Yes	No	Yes	Yes	No

ANT7

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 2.4 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11b	20.00	100.00	Yes	Yes	Yes	Yes	Yes	Yes
	802.11g	19.50	89.13	No	No	No	No	No	No
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	No	No	No	No	No	No
WLAN 5.2 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	19.50	89.13	No	No	No	No	No	No
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	16.50	44.67	No	No	No	No	No	No
WLAN 5.3 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	19.50	89.13	No	No	No	No	No	No

	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	17.50	56.23	Yes	Yes	Yes	Yes	Yes	Yes
WLAN 5.6 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	19.50	89.13	No	No	No	No	No	No
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
WLAN 5.8 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	19.50	89.13	No	No	No	No	No	No
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
Bluetooth	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	BR+EDR	16.00	39.81	Yes	Yes	Yes	Yes	Yes	Yes
	BLE	10.00	10.00	No	No	No	No	No	No

Note:

1. Maximum power is the source-based time-average power and represents the maximum RF output power including tune-up tolerance among production units
2. Per KDB 447498 D01, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. Per KDB 447498 D01, standalone SAR test exclusion threshold is applied; If the distance of the antenna to the user is < 5mm, 5mm is used to determine SAR exclusion threshold
4. Per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR
   a. f(GHz) is the RF channel transmit frequency in GHz
   b. Power and distance are rounded to the nearest mW and mm before calculation
   c. The result is rounded to one decimal place for comparison
   d. For < 50 mm distance, we just calculate mW of the exclusion threshold value (3.0) to do compare.

   This formula is [3.0] / [√f(GHz)] ·[(min. test separation distance, mm)] = exclusion threshold of mW.
5. Per KDB 447498 D01, at 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following
   a. [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·(f(MHz)/150)] mW, at 100 MHz to 1500 MHz
   b. [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·10] mW at > 1500 MHz and ≤ 6 GHz
6. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If HSDPA /HSUPA /DC-HSDPA output power is < 0.25dB higher than RMC12.2Kbps, or reported SAR with RMC 12.2kbps setting is ≤ 1.2W/kg, HSDPA/HSUPA/DC-HSDPA SAR evaluation can be excluded.
7. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion.8. For each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4dB higher than those measured at the lowest data rate
8. Per KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions.
   a. When KDB Publication 447498 D01 SAR test exclusion applies to the OFDM configuration.
   b. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
9. Per KDB 248227 D01 SAR is not required for the following U-NII-1 and U-NII-2A bands conditions.
   a. When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.
   b. When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.

10 TEST RESULT

10.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	Level1	GPRS (3slots)	Left Cheek	0	251	848.8	0.040	0.305	24.07	24.50	1.104	0.337	/
	Level1		Left Tilt	0	251	848.8	-0.16	0.285	24.07	24.50	1.104	0.315	/
	Level1		Right Cheek	0	251	848.8	-0.13	0.402	24.07	24.50	1.104	**0.444**	1#
	Level1		Right Tilt	0	251	848.8	-0.08	0.343	24.07	24.50	1.104	0.379	/
Ant.0	Level1	GPRS (3slots)	Left Cheek	0	251	848.8	0.05	0.348	30.26	30.50	1.057	0.368	/
	Level1		Left Tilt	0	251	848.8	0.12	0.169	30.26	30.50	1.057	0.179	/
	Level1		Right Cheek	0	251	848.8	-0.17	0.217	30.26	30.50	1.057	0.229	/
	Level1		Right Tilt	0	251	848.8	0.05	0.127	30.26	30.50	1.057	0.134	/
Body-worn Accessory													
Ant.1	Level2	GPRS (3slots)	Front Side	15	128	824.2	0.08	0.173	29.49	30.00	1.125	0.195	/
	Level2		Back Side	15	128	824.2	0.02	0.243	29.49	30.00	1.125	**0.273**	2#
Ant.0	Level2	GPRS (3slots)	Front Side	15	251	848.8	-0.10	0.180	30.26	30.50	1.057	0.190	/
	Level2		Back Side	15	251	848.8	-0.15	0.233	30.26	30.50	1.057	0.246	/
Hotspot													
Ant.1	Level2	GPRS (3slots)	Front Side	10	128	824.2	-0.16	0.268	29.49	30.00	1.125	0.301	/
	Level2		Back Side	10	128	824.2	0.02	0.365	29.49	30.00	1.125	**0.410**	3#
	Level2		Right Edge	10	128	824.2	-0.03	0.171	29.49	30.00	1.125	0.192	/
	Level2		Top Edge	10	128	824.2	0.08	0.273	29.49	30.00	1.125	0.307	/
Ant.0	Level2	GPRS (3slots)	Front Side	10	251	848.8	-0.13	0.206	30.26	30.50	1.057	0.218	/
	Level2		Back Side	10	251	848.8	0.06	0.374	30.26	30.50	1.057	0.395	/
	Level2		Left Edge	10	251	848.8	0.05	0.123	30.26	30.50	1.057	0.130	/
	Level2		Right Edge	10	251	848.8	0.01	0.277	30.26	30.50	1.057	0.293	/
	Level2		Bottom Edge	10	251	848.8	-0.02	0.323	30.26	30.50	1.057	0.341	/

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

10.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	Level1	GPRS (3slots)	Left Cheek	0	810	1909.8	0.100	0.225	17.99	18.50	1.125	0.253	/
	Level1		Left Tilt	0	810	1909.8	0.17	0.271	17.99	18.50	1.125	0.305	/
	Level1		Right Cheek	0	810	1909.8	-0.18	0.329	17.99	18.50	1.125	0.370	/
	Level1		Right Tilt	0	810	1909.8	0.00	0.409	17.99	18.50	1.125	**0.460**	4#
Ant.0	Level1	GPRS (3slots)	Left Cheek	0	661	1880.0	0.19	0.094	26.89	27.00	1.026	0.096	/
	Level1		Left Tilt	0	661	1880.0	-0.16	0.056	26.89	27.00	1.026	0.057	/
	Level1		Right Cheek	0	661	1880.0	0.13	0.060	26.89	27.00	1.026	0.062	/
	Level1		Right Tilt	0	661	1880.0	0.09	0.059	26.89	27.00	1.026	0.061	/
Body-worn Accessory													
Ant.1	Level2	GPRS (3slots)	Front Side	15	810	1909.8	-0.15	0.102	22.12	22.50	1.091	0.111	/
	Level2		Back Side	15	810	1909.8	0.19	0.144	22.12	22.50	1.091	**0.157**	5#
Ant.0	Level2	GPRS (3slots)	Front Side	15	810	1880.0	-0.03	0.101	24.33	24.50	1.040	0.105	/
	Level2		Back Side	15	810	1880.0	0.09	0.151	24.33	24.50	1.040	0.157	/
Hotspot													
Ant.1	Level2	GPRS (3slots)	Front Side	10	810	1909.8	0.18	0.192	22.12	22.50	1.091	0.210	/
	Level2		Back Side	10	810	1909.8	-0.08	0.294	22.12	22.50	1.091	0.321	/
	Level2		Right Edge	10	810	1909.8	-0.16	0.042	22.12	22.50	1.091	0.046	/
	Level2		Top Edge	10	810	1909.8	0.17	0.439	22.12	22.50	1.091	**0.479**	6#
Ant.0	Level2	GPRS (3slots)	Front Side	10	810	1909.8	0.04	0.168	24.33	24.50	1.040	0.175	/
	Level2		Back Side	10	810	1909.8	0.00	0.251	24.33	24.50	1.040	0.261	/
	Level2		Left Edge	10	810	1909.8	-0.17	0.141	24.33	24.50	1.040	0.146	/
	Level2		Right Edge	10	810	1909.8	0.19	0.048	24.33	24.50	1.040	0.050	/
	Level2		Bottom Edge	10	810	1909.8	0.14	0.428	24.33	24.50	1.040	0.445	/

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

10.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	Level1	RMC	Left Cheek	0	9400	1880.0	0.05	0.284	13.19	14.00	1.205	0.342	/
	Level1		Left Tilt	0	9400	1880.0	0.13	0.336	13.19	14.00	1.205	0.405	/
	Level1		Right Cheek	0	9400	1880.0	0.08	0.394	13.19	14.00	1.205	0.475	/
	Level1		Right Tilt	0	9400	1880.0	0.06	0.472	13.19	14.00	1.205	**0.569**	7#
Ant.0	Level1	RMC	Left Cheek	0	9400	1880.0	0.17	0.107	23.54	24.50	1.247	0.133	/
	Level1		Left Tilt	0	9400	1880.0	0.06	0.083	23.54	24.50	1.247	0.104	/
	Level1		Right Cheek	0	9400	1880.0	-0.07	0.078	23.54	24.50	1.247	0.097	/
	Level1		Right Tilt	0	9400	1880.0	-0.10	0.076	23.54	24.50	1.247	0.095	/
Body-worn Accessory													
Ant.1	Level2	RMC	Front Side	15	9400	1880.0	-0.16	0.146	17.70	18.50	1.202	0.176	/
	Level2		Back Side	15	9400	1880.0	-0.08	0.299	17.70	18.50	1.202	**0.359**	8#
Ant.0	Level2	RMC	Front Side	15	9400	1880.0	-0.05	0.097	19.75	20.50	1.189	0.115	/
	Level2		Back Side	15	9400	1880.0	-0.05	0.146	19.75	20.50	1.189	0.173	/
Hotspot													
Ant.1	Level2	RMC	Front Side	10	9400	1880.0	0.01	0.169	17.70	18.50	1.202	0.203	/
	Level2		Back Side	10	9400	1880.0	0.16	0.274	17.70	18.50	1.202	0.329	/
	Level2		Right Edge	10	9400	1880.0	-0.09	0.388	17.70	18.50	1.202	0.466	/
	Level2		Top Edge	10	9400	1880.0	-0.06	0.432	17.70	18.50	1.202	**0.519**	9#
Ant.0	Level2	RMC	Front Side	10	9400	1880.0	0.01	0.167	19.75	20.50	1.189	0.199	/
	Level2		Back Side	10	9400	1880.0	-0.17	0.250	19.75	20.50	1.189	0.297	/
	Level2		Left Edge	10	9400	1880.0	0.04	0.141	19.75	20.50	1.189	0.168	/
	Level2		Right Edge	10	9400	1880.0	0.16	0.054	19.75	20.50	1.189	0.064	/
	Level2		Bottom Edge	10	9400	1880.0	-0.12	0.393	19.75	20.50	1.189	0.467	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	Level1	RMC	Left Cheek	0	1412	1732.4	-0.01	0.282	14.28	15.00	1.180	0.333	/
	Level1		Left Tilt	0	1412	1732.4	0.03	0.343	14.28	15.00	1.180	0.405	/
	Level1		Right Cheek	0	1412	1732.4	-0.15	0.415	14.28	15.00	1.180	0.490	/
	Level1		Right Tilt	0	1412	1732.4	0.11	0.488	14.28	15.00	1.180	**0.576**	10#
Ant.0	Level1	RMC	Left Cheek	0	1412	1732.4	0.06	0.145	24.18	24.50	1.076	0.156	/
	Level1		Left Tilt	0	1412	1732.4	0.11	0.058	24.18	24.50	1.076	0.062	/
	Level1		Right Cheek	0	1412	1732.4	0.15	0.078	24.18	24.50	1.076	0.084	/
	Level1		Right Tilt	0	1412	1732.4	-0.07	0.069	24.18	24.50	1.076	0.074	/
Body-worn Accessory													
Ant.1	Level2	RMC	Front Side	15	1412	1732.4	-0.13	0.187	19.31	20.00	1.172	0.219	/
	Level2		Back Side	15	1412	1732.4	0.02	0.249	19.31	20.00	1.172	**0.292**	11#
Ant.0	Level2	RMC	Front Side	15	1412	1732.4	0.19	0.145	20.95	21.50	1.135	0.164	/
	Level2		Back Side	15	1412	1732.4	0.08	0.189	20.95	21.50	1.135	0.214	/
Hotspot													
Ant.1	Level2	RMC	Front Side	10	1412	1732.4	0.14	0.274	19.31	20.00	1.172	0.321	/
	Level2		Back Side	10	1412	1732.4	0.05	0.339	19.31	20.00	1.172	0.398	/
	Level2		Right Edge	10	1412	1732.4	-0.18	0.055	19.31	20.00	1.172	0.064	/
	Level2		Top Edge	10	1412	1732.4	-0.02	0.580	19.31	20.00	1.172	**0.680**	12#
Ant.0	Level2	RMC	Front Side	10	1412	1732.4	0.15	0.221	20.95	21.50	1.135	0.251	/
	Level2		Back Side	10	1412	1732.4	0.06	0.263	20.95	21.50	1.135	0.299	/
	Level2		Left Edge	10	1412	1732.4	0.12	0.058	20.95	21.50	1.135	0.066	/
	Level2		Right Edge	10	1412	1732.4	0.02	0.062	20.95	21.50	1.135	0.070	/
	Level2		Bottom Edge	10	1412	1732.4	-0.14	0.429	20.95	21.50	1.135	0.487	/

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

10.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	Level1	RMC	Left Cheek	0	4182	836.4	-0.12	0.361	19.90	21.00	1.288	0.465	/
	Level1		Left Tilt	0	4182	836.4	0.10	0.312	19.90	21.00	1.288	0.402	/
	Level1		Right Cheek	0	4182	836.4	-0.04	0.508	19.90	21.00	1.288	**0.654**	13#
	Level1		Right Tilt	0	4182	836.4	-0.09	0.411	19.90	21.00	1.288	0.529	/
Ant.0	Level1	RMC	Left Cheek	0	4182	836.4	-0.14	0.206	24.27	25.00	1.183	0.244	/
	Level1		Left Tilt	0	4182	836.4	0.16	0.114	24.27	25.00	1.183	0.135	/
	Level1		Right Cheek	0	4182	836.4	0.15	0.147	24.27	25.00	1.183	0.174	/
	Level1		Right Tilt	0	4182	836.4	0.03	0.078	24.27	25.00	1.183	0.092	/
Body-worn Accessory													
Ant.1	Level2	RMC	Front Side	15	4132	826.4	0.02	0.135	24.08	25.00	1.236	0.167	/
	Level2		Back Side	15	4132	826.4	0.01	0.166	24.08	25.00	1.236	0.205	/
Ant.0	Level2	RMC	Front Side	15	4182	836.4	-0.08	0.151	24.27	25.00	1.183	0.179	/
	Level2		Back Side	15	4182	836.4	-0.19	0.193	24.27	25.00	1.183	**0.228**	14#
Hotspot													
Ant.1	Level2	RMC	Front Side	10	4132	826.4	0.15	0.241	24.08	25.00	1.236	0.298	/
	Level2		Back Side	10	4132	826.4	0.16	0.305	24.08	25.00	1.236	**0.377**	15#
	Level2		Right Edge	10	4132	826.4	0.01	0.129	24.08	25.00	1.236	0.159	/
	Level2		Top Edge	10	4132	826.4	-0.04	0.232	24.08	25.00	1.236	0.287	/
Ant.0	Level2	RMC	Front Side	10	4182	836.4	-0.17	0.174	24.27	25.00	1.183	0.206	/
	Level2		Back Side	10	4182	836.4	-0.12	0.300	24.27	25.00	1.183	0.355	/
	Level2		Left Edge	10	4182	836.4	-0.18	0.103	24.27	25.00	1.183	0.122	/
	Level2		Right Edge	10	4182	836.4	-0.14	0.216	24.27	25.00	1.183	0.256	/
	Level2		Bottom Edge	10	4182	836.4	0.14	0.234	24.27	25.00	1.183	0.277	/

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)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	18900	1880	1	MID	0.19	0.271	12.85	14.00	1.303	0.353	/
	Level1			0	18700	1860	50	LOW	-0.13	0.253	12.80	14.00	1.318	0.334	/
	Level1		Left Tilt	0	18900	1880	1	MID	-0.06	0.315	12.85	14.00	1.303	0.410	/
	Level1			0	18700	1860	50	LOW	0.00	0.296	12.80	14.00	1.318	0.390	/
	Level1		Right Cheek	0	18900	1880	1	MID	-0.07	0.351	12.85	14.00	1.303	0.457	/
	Level1			0	18700	1860	50	LOW	0.18	0.326	12.80	14.00	1.318	0.430	/
	Level1		Right Tilt	0	18900	1880	1	MID	0.12	0.421	12.85	14.00	1.303	**0.549**	16#
	Level1			0	18700	1860	50	LOW	0.13	0.398	12.80	14.00	1.318	0.525	/
Ant.0	Level1	QPSK	Left Cheek	0	18900	1880	1	MID	0.15	0.104	23.14	24.00	1.219	0.127	/
	Level1			0	18900	1880	50	MID	-0.17	0.084	22.16	23.00	1.213	0.102	/
	Level1		Left Tilt	0	18900	1880	1	MID	-0.11	0.075	23.14	24.00	1.219	0.091	/
	Level1			0	18900	1880	50	MID	0.04	0.051	22.16	23.00	1.213	0.062	/
	Level1		Right Cheek	0	18900	1880	1	MID	-0.13	0.062	23.14	24.00	1.219	0.076	/
	Level1			0	18900	1880	50	MID	0.09	0.049	22.16	23.00	1.213	0.059	/
	Level1		Right Tilt	0	18900	1880	1	MID	0.18	0.068	23.14	24.00	1.219	0.083	/
	Level1			0	18900	1880	50	MID	0.16	0.051	22.16	23.00	1.213	0.062	/
Body-worn Accessory															
Ant.1	Level2	QPSK	Front Side	15	18900	1880	1	MID	0.05	0.081	16.87	18.00	1.297	0.105	/
	Level2			15	18700	1860	50	MID	0.06	0.079	16.82	18.00	1.312	0.104	/
	Level2		Back Side	15	18900	1880	1	MID	0.00	0.110	16.87	18.00	1.297	**0.143**	17#
	Level2			15	18700	1860	50	MID	-0.10	0.106	16.82	18.00	1.312	0.139	/
Ant.0	Level2	QPSK	Front Side	15	18900	1880	1	MID	-0.01	0.099	19.38	20.50	1.294	0.128	/
	Level2			15	18900	1880	50	MID	-0.14	0.098	19.39	20.50	1.291	0.127	/
	Level2		Back Side	15	18900	1880	1	MID	-0.16	0.104	19.38	20.50	1.294	0.135	/
	Level2			15	18900	1880	50	MID	0.13	0.098	19.39	20.50	1.291	0.127	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	18900	1880	1	MID	0.19	0.164	16.87	18.00	1.297	0.213	/
	Level2			10	18700	1860	50	MID	0.16	0.161	16.82	18.00	1.312	0.211	/
	Level2		Back Side	10	18900	1880	1	MID	-0.16	0.252	16.87	18.00	1.297	0.327	/
	Level2			10	18700	1860	50	MID	-0.13	0.235	16.82	18.00	1.312	0.308	/
	Level2		Right Edge	10	18900	1880	1	MID	0.19	0.031	16.87	18.00	1.297	0.040	/
	Level2			10	18700	1860	50	MID	0.05	0.028	16.82	18.00	1.312	0.037	/
	Level2		Top Edge	10	18900	1880	1	MID	-0.19	0.378	16.87	18.00	1.297	**0.490**	18#
	Level2			10	18700	1860	50	MID	-0.07	0.372	16.82	18.00	1.312	0.488	/
Ant.0	Level2	QPSK	Front Side	10	18900	1880	1	MID	0.13	0.133	19.38	20.50	1.294	0.172	/
	Level2			10	18900	1880	50	MID	-0.17	0.121	19.39	20.50	1.291	0.156	/
	Level2		Back Side	10	18900	1880	1	MID	0.05	0.245	19.38	20.50	1.294	0.317	/
	Level2			10	18900	1880	50	MID	-0.14	0.221	19.39	20.50	1.291	0.285	/
	Level2		Left Edge	10	18900	1880	1	MID	-0.19	0.134	19.38	20.50	1.294	0.173	/
	Level2			10	18900	1880	50	MID	0.09	0.132	19.39	20.50	1.291	0.170	/

	Level2		Right Edge	10	18900	1880	1	MID	-0.03	0.041	19.38	20.50	1.294	0.053	/
	Level2			10	18900	1880	50	MID	-0.18	0.039	19.39	20.50	1.291	0.050	/
	Level2		Bottom Edge	10	18900	1880	1	MID	0.09	0.346	19.38	20.50	1.294	0.448	/
	Level2			10	18900	1880	50	MID	-0.01	0.331	19.39	20.50	1.291	0.427	/
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)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	20300	1745	1	LOW	-0.12	0.263	14.08	15.30	1.324	0.348	/
	Level1			0	20050	1720	50	MID	0.09	0.244	14.19	15.30	1.291	0.315	/
	Level1		Left Tilt	0	20300	1745	1	LOW	-0.17	0.312	14.08	15.30	1.324	0.413	/
	Level1			0	20050	1720	50	MID	-0.01	0.302	14.19	15.30	1.291	0.390	/
	Level1		Right Cheek	0	20300	1745	1	LOW	0.08	0.375	14.08	15.30	1.324	0.497	/
	Level1			0	20050	1720	50	MID	-0.18	0.356	14.19	15.30	1.291	0.460	/
	Level1		Right Tilt	0	20300	1745	1	LOW	-0.16	0.447	14.08	15.30	1.324	0.592	/
	Level1			0	20050	1720	50	MID	0.00	0.463	14.19	15.30	1.291	**0.598**	19#
Ant.0	Level1	QPSK	Left Cheek	0	20175	1732.5	1	MID	0.14	0.143	24.03	24.80	1.194	0.171	/
	Level1			0	20300	1745	50	LOW	-0.09	0.126	23.11	23.80	1.172	0.148	/
	Level1		Left Tilt	0	20175	1732.5	1	MID	0.00	0.060	24.03	24.80	1.194	0.072	/
	Level1			0	20300	1745	50	LOW	0.17	0.049	23.11	23.80	1.172	0.057	/
	Level1		Right Cheek	0	20175	1732.5	1	MID	0.08	0.073	24.03	24.80	1.194	0.087	/
	Level1			0	20300	1745	50	LOW	0.13	0.061	23.11	23.80	1.172	0.072	/
	Level1		Right Tilt	0	20175	1732.5	1	MID	-0.09	0.070	24.03	24.80	1.194	0.084	/
	Level1			0	20300	1745	50	LOW	0.03	0.051	23.11	23.80	1.172	0.060	/
Body-worn Accessory															
Ant.1	Level2	QPSK	Front Side	15	20300	1745	1	LOW	0.19	0.116	19.15	20.30	1.303	0.151	/
	Level2			15	20300	1745	50	MID	-0.13	0.108	19.22	20.30	1.282	0.138	/
	Level2		Back Side	15	20300	1745	1	LOW	0.11	0.151	19.15	20.30	1.303	0.197	/
	Level2			15	20300	1745	50	MID	-0.16	0.141	19.22	20.30	1.282	0.181	/
Ant.0	Level2	QPSK	Front Side	15	20300	1745	1	MID	0.04	0.146	20.74	21.80	1.276	0.186	/
	Level2			15	20300	1745	50	HIGH	0.00	0.139	20.78	21.80	1.265	0.176	/
	Level2		Back Side	15	20300	1745	1	MID	0.08	0.163	20.74	21.80	1.276	**0.208**	20#
	Level2			15	20300	1745	50	HIGH	0.01	0.155	20.78	21.80	1.265	0.196	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	20300	1745	1	LOW	0.01	0.231	19.15	20.30	1.303	0.301	/
	Level2			10	20300	1745	50	MID	-0.11	0.232	19.22	20.30	1.282	0.298	/
	Level2		Back Side	10	20300	1745	1	LOW	-0.17	0.303	19.15	20.30	1.303	0.395	/
	Level2			10	20300	1745	50	MID	0.12	0.296	19.22	20.30	1.282	0.380	/
	Level2		Right Edge	10	20300	1745	1	LOW	-0.09	0.043	19.15	20.30	1.303	0.056	/
	Level2			10	20300	1745	50	MID	0.03	0.035	19.22	20.30	1.282	0.045	/
	Level2		Top Edge	10	20300	1745	1	LOW	0.19	0.463	19.15	20.30	1.303	**0.603**	21#
	Level2			10	20300	1745	50	MID	-0.18	0.452	19.22	20.30	1.282	0.580	/
Ant.0	Level2	QPSK	Front Side	10	20300	1745	1	MID	-0.11	0.232	20.74	21.80	1.276	0.296	/
	Level2			10	20300	1745	50	HIGH	0.11	0.240	20.78	21.80	1.265	0.304	/
	Level2		Back Side	10	20300	1745	1	MID	0.14	0.277	20.74	21.80	1.276	0.354	/
	Level2			10	20300	1745	50	HIGH	-0.09	0.285	20.78	21.80	1.265	0.360	/
	Level2		Left Edge	10	20300	1745	1	MID	-0.08	0.053	20.74	21.80	1.276	0.068	/

	Level2			10	20300	1745	50	HIGH	-0.04	0.049	20.78	21.80	1.265	0.062	/
	Level2		Right Edge	10	20300	1745	1	MID	-0.14	0.067	20.74	21.80	1.276	0.086	/
	Level2			10	20300	1745	50	HIGH	-0.05	0.066	20.78	21.80	1.265	0.083	/
	Level2		Bottom Edge	10	20300	1745	1	MID	0.15	0.449	20.74	21.80	1.276	0.573	/
	Level2			10	20300	1745	50	HIGH	-0.06	0.441	20.78	21.80	1.265	0.558	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	20450	829	1	LOW	-0.13	0.363	19.89	21.00	1.291	0.469	/
	Level1			0	20450	829	25	MID	0.03	0.352	20.07	21.00	1.239	0.436	/
	Level1		Left Tilt	0	20450	829	1	LOW	-0.03	0.324	19.89	21.00	1.291	0.418	/
	Level1			0	20450	829	25	MID	-0.07	0.315	20.07	21.00	1.239	0.390	/
	Level1		Right Cheek	0	20450	829	1	LOW	0.06	0.531	19.89	21.00	1.291	**0.686**	22#
	Level1			0	20450	829	25	MID	0.11	0.495	20.07	21.00	1.239	0.613	/
	Level1		Right Tilt	0	20450	829	1	LOW	0.00	0.443	19.89	21.00	1.291	0.572	/
	Level1			0	20450	829	25	MID	0.09	0.425	20.07	21.00	1.239	0.526	/
Ant.1 (Only For ENDC)	Level1	QPSK	Left Cheek	0	20450	829	1	MID	0.06	0.282	18.91	20.00	1.285	0.362	/
	Level1			0	20450	829	25	MID	-0.03	0.284	19.15	20.00	1.216	0.345	/
	Level1		Left Tilt	0	20450	829	1	MID	0.07	0.261	18.91	20.00	1.285	0.335	/
	Level1			0	20450	829	25	MID	-0.07	0.265	19.15	20.00	1.216	0.322	/
	Level1		Right Cheek	0	20450	829	1	MID	0.02	0.441	18.91	20.00	1.285	0.567	/
	Level1			0	20450	829	25	MID	-0.15	0.412	19.15	20.00	1.216	0.501	/
	Level1		Right Tilt	0	20450	829	1	MID	-0.05	0.365	18.91	20.00	1.285	0.469	/
	Level1			0	20450	829	25	MID	0.02	0.354	19.15	20.00	1.216	0.431	/
Ant.0	Level1	QPSK	Left Cheek	0	20450	829	1	LOW	-0.04	0.243	24.41	25.00	1.146	0.278	/
	Level1			0	20450	829	25	MID	0.05	0.201	23.52	24.00	1.117	0.224	/
	Level1		Left Tilt	0	20450	829	1	LOW	0.17	0.126	24.41	25.00	1.146	0.144	/
	Level1			0	20450	829	25	MID	-0.06	0.104	23.52	24.00	1.117	0.116	/
	Level1		Right Cheek	0	20450	829	1	LOW	-0.06	0.157	24.41	25.00	1.146	0.180	/
	Level1			0	20450	829	25	MID	-0.09	0.124	23.52	24.00	1.117	0.138	/
	Level1		Right Tilt	0	20450	829	1	LOW	0.15	0.087	24.41	25.00	1.146	0.100	/
	Level1			0	20450	829	25	MID	-0.10	0.073	23.52	24.00	1.117	0.082	/
Ant.0 (Only For ENDC)	Level1	QPSK	Left Cheek	0	20450	829	1	MID	-0.01	0.201	23.46	24.00	1.132	0.228	/
	Level1			0	20450	829	25	HIGH	-0.12	0.195	23.61	24.00	1.094	0.213	/
	Level1		Left Tilt	0	20450	829	1	MID	-0.06	0.112	23.46	24.00	1.132	0.127	/
	Level1			0	20450	829	25	HIGH	-0.16	0.092	23.61	24.00	1.094	0.101	/
	Level1		Right Cheek	0	20450	829	1	MID	-0.09	0.125	23.46	24.00	1.132	0.142	/
	Level1			0	20450	829	25	HIGH	0.07	0.121	23.61	24.00	1.094	0.132	/
	Level1		Right Tilt	0	20450	829	1	MID	-0.19	0.072	23.46	24.00	1.132	0.082	/
	Level1			0	20450	829	25	HIGH	-0.10	0.070	23.61	24.00	1.094	0.077	/
Body-worn Accessory															
Ant.1	Level2	QPSK	Front Side	15	20450	829	1	LOW	0.03	0.160	24.31	25.00	1.172	0.188	/
	Level2			15	20450	829	25	MID	-0.16	0.148	23.42	24.00	1.143	0.169	/
	Level2		Back Side	15	20450	829	1	LOW	-0.13	0.185	24.31	25.00	1.172	0.217	/
	Level2			15	20450	829	25	MID	-0.09	0.183	23.42	24.00	1.143	0.209	/
Ant.1 (Only	Level2	QPSK	Front Side	15	20450	829	1	HIGH	0.18	0.130	23.22	24.00	1.197	0.156	/
	Level2			15	20450	829	25	MID	0.01	0.119	23.50	24.00	1.122	0.134	/

For ENDC)	Level2		Back Side	15	20450	829	1	HIGH	-0.11	0.165	23.22	24.00	1.197	0.197	/
	Level2			15	20450	829	25	MID	-0.17	0.155	23.50	24.00	1.122	0.174	/
Ant.0	Level2	QPSK	Front Side	15	20450	829	1	LOW	-0.06	0.122	24.41	25.00	1.146	0.140	/
	Level2			15	20450	829	25	MID	0.17	0.115	23.52	24.00	1.117	0.128	/
	Level2		Back Side	15	20450	829	1	LOW	0.01	0.192	24.41	25.00	1.146	**0.220**	23#
	Level2			15	20450	829	25	MID	0.18	0.187	23.52	24.00	1.117	0.209	/
Ant.0 (Only For ENDC)	Level2	QPSK	Front Side	15	20450	829	1	MID	-0.14	0.118	23.46	24.00	1.132	0.134	/
	Level2			15	20450	829	25	HIGH	0.04	0.112	23.61	24.00	1.094	0.123	/
	Level2		Back Side	15	20450	829	1	MID	-0.11	0.181	23.46	24.00	1.132	0.205	/
	Level2			15	20450	829	25	HIGH	0.04	0.183	23.61	24.00	1.094	0.200	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	20450	829	1	LOW	0.00	0.249	24.31	25.00	1.172	0.292	/
	Level2			10	20450	829	25	MID	0.08	0.229	23.42	24.00	1.143	0.262	/
	Level2		Back Side	10	20450	829	1	LOW	-0.08	0.306	24.31	25.00	1.172	0.359	/
	Level2			10	20450	829	25	MID	-0.02	0.297	23.42	24.00	1.143	0.339	/
	Level2		Right Edge	10	20450	829	1	LOW	0.13	0.141	24.31	25.00	1.172	0.165	/
	Level2			10	20450	829	25	MID	0.15	0.137	23.42	24.00	1.143	0.157	/
	Level2		Top Edge	10	20450	829	1	LOW	-0.13	0.229	24.31	25.00	1.172	0.268	/
	Level2			10	20450	829	25	MID	-0.12	0.213	23.42	24.00	1.143	0.243	/
Ant.1 (Only For ENDC)	Level2	QPSK	Front Side	10	20450	829	1	HIGH	0.11	0.233	23.22	24.00	1.197	0.279	/
	Level2			10	20450	829	25	MID	0.08	0.225	23.50	24.00	1.122	0.252	/
	Level2		Back Side	10	20450	829	1	HIGH	0.12	0.295	23.22	24.00	1.197	0.353	/
	Level2			10	20450	829	25	MID	0.19	0.276	23.50	24.00	1.122	0.310	/
	Level2		Right Edge	10	20450	829	1	HIGH	-0.03	0.131	23.22	24.00	1.197	0.157	/
	Level2			10	20450	829	25	MID	-0.18	0.131	23.50	24.00	1.122	0.147	/
	Level2		Top Edge	10	20450	829	1	HIGH	0.05	0.216	23.22	24.00	1.197	0.258	/
	Level2			10	20450	829	25	MID	0.02	0.205	23.50	24.00	1.122	0.230	/
Ant.0	Level2	QPSK	Front Side	10	20450	829	1	LOW	0.08	0.184	24.41	25.00	1.146	0.211	/
	Level2			10	20450	829	25	MID	0.10	0.179	23.52	24.00	1.117	0.200	/
	Level2		Back Side	10	20450	829	1	LOW	0.04	0.340	24.41	25.00	1.146	**0.389**	24#
	Level2			10	20450	829	25	MID	-0.11	0.328	23.52	24.00	1.117	0.366	/
	Level2		Left Edge	10	20450	829	1	LOW	0.18	0.100	24.41	25.00	1.146	0.115	/
	Level2			10	20450	829	25	MID	-0.13	0.095	23.52	24.00	1.117	0.106	/
	Level2		Right Edge	10	20450	829	1	LOW	0.04	0.215	24.41	25.00	1.146	0.246	/
	Level2			10	20450	829	25	MID	0.11	0.194	23.52	24.00	1.117	0.217	/
	Level2		Bottom Edge	10	20450	829	1	LOW	-0.18	0.248	24.41	25.00	1.146	0.284	/
	Level2			10	20450	829	25	MID	0.13	0.245	23.52	24.00	1.117	0.274	/
Ant.0 (Only For ENDC)	Level2	QPSK	Front Side	10	20450	829	1	MID	0.09	0.165	23.46	24.00	1.132	0.187	/
	Level2			10	20450	829	25	HIGH	0.14	0.152	23.61	24.00	1.094	0.166	/
	Level2		Back Side	10	20450	829	1	MID	0.13	0.285	23.46	24.00	1.132	0.323	/
	Level2			10	20450	829	25	HIGH	-0.07	0.270	23.61	24.00	1.094	0.295	/
	Level2		Left Edge	10	20450	829	1	MID	0.08	0.095	23.46	24.00	1.132	0.108	/
	Level2			10	20450	829	25	HIGH	0.06	0.083	23.61	24.00	1.094	0.091	/
	Level2		Right Edge	10	20450	829	1	MID	-0.01	0.183	23.46	24.00	1.132	0.207	/

	Level2			10	20450	829	25	HIGH	-0.07	0.174	23.61	24.00	1.094	0.190	/
	Level2		Bottom Edge	10	20450	829	1	MID	-0.07	0.212	23.46	24.00	1.132	0.240	/
	Level2			10	20450	829	25	HIGH	-0.12	0.202	23.61	24.00	1.094	0.221	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.9LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	21350	2560	1	MID	-0.13	0.143	15.33	16.70	1.371	0.196	/
	Level1			0	21350	2560	50	MID	-0.03	0.131	15.41	16.70	1.346	0.176	/
	Level1		Left Tilt	0	21350	2560	1	MID	-0.17	0.194	15.33	16.70	1.371	0.266	/
	Level1			0	21350	2560	50	MID	-0.05	0.185	15.41	16.70	1.346	0.249	/
	Level1		Right Cheek	0	21350	2560	1	MID	0.09	0.436	15.33	16.70	1.371	0.598	/
	Level1			0	21350	2560	50	MID	-0.10	0.428	15.41	16.70	1.346	0.576	/
	Level1		Right Tilt	0	21350	2560	1	MID	-0.01	0.460	15.33	16.70	1.371	**0.631**	25#
	Level1			0	21350	2560	50	MID	-0.10	0.450	15.41	16.70	1.346	0.606	/
Ant.1 (Only For ENDC)	Level1	QPSK	Left Cheek	0	21350	2560	1	MID	-0.13	0.143	15.33	16.50	1.309	0.187	/
	Level1			0	21350	2560	50	MID	-0.03	0.131	15.41	16.50	1.285	0.168	/
	Level1		Left Tilt	0	21350	2560	1	MID	-0.17	0.194	15.33	16.50	1.309	0.254	/
	Level1			0	21350	2560	50	MID	-0.05	0.185	15.41	16.50	1.285	0.238	/
	Level1		Right Cheek	0	21350	2560	1	MID	0.09	0.436	15.33	16.50	1.309	0.571	/
	Level1			0	21350	2560	50	MID	-0.10	0.418	15.41	16.50	1.285	0.537	/
	Level1		Right Tilt	0	21350	2560	1	MID	-0.01	0.460	15.33	16.50	1.309	0.602	/
	Level1			0	21350	2560	50	MID	-0.10	0.445	15.41	16.50	1.285	0.572	/
Ant.0	Level1	QPSK	Left Cheek	0	20850	2510	1	MID	-0.05	0.135	23.66	24.20	1.132	0.153	/
	Level1			0	21350	2560	50	HIGH	0.19	0.115	22.74	23.20	1.112	0.128	/
	Level1		Left Tilt	0	20850	2510	1	MID	-0.12	0.088	23.66	24.20	1.132	0.100	/
	Level1			0	21350	2560	50	HIGH	-0.05	0.073	22.74	23.20	1.112	0.081	/
	Level1		Right Cheek	0	20850	2510	1	MID	0.02	0.250	23.66	24.20	1.132	0.283	/
	Level1			0	21350	2560	50	HIGH	0.13	0.227	22.74	23.20	1.112	0.252	/
	Level1		Right Tilt	0	20850	2510	1	MID	-0.11	0.120	23.66	24.20	1.132	0.136	/
	Level1			0	21350	2560	50	HIGH	0.12	0.114	22.74	23.20	1.112	0.127	/
Ant.0 (Only For ENDC)	Level1	QPSK	Left Cheek	0	20850	2510	1	MID	-0.05	0.135	23.66	24.00	1.081	0.146	/
	Level1			0	21350	2560	50	HIGH	0.19	0.115	22.74	23.00	1.062	0.122	/
	Level1		Left Tilt	0	20850	2510	1	MID	-0.12	0.088	23.66	24.00	1.081	0.095	/
	Level1			0	21350	2560	50	HIGH	-0.05	0.073	22.74	23.00	1.062	0.078	/
	Level1		Right Cheek	0	20850	2510	1	MID	0.02	0.250	23.66	24.00	1.081	0.270	/
	Level1			0	21350	2560	50	HIGH	0.13	0.227	22.74	23.00	1.062	0.241	/
	Level1		Right Tilt	0	20850	2510	1	MID	-0.11	0.120	23.66	24.00	1.081	0.130	/
	Level1			0	21350	2560	50	HIGH	0.12	0.114	22.74	23.00	1.062	0.121	/
Ant.4	Level1	QPSK	Left Cheek	0	20850	2510	1	HIGH	-0.02	0.172	18.18	19.30	1.294	0.223	/
	Level1			0	21100	2535	50	LOW	0.19	0.168	18.21	19.30	1.285	0.216	/
	Level1		Left Tilt	0	20850	2510	1	HIGH	-0.01	0.113	18.18	19.30	1.294	0.146	/
	Level1			0	21100	2535	50	LOW	-0.14	0.106	18.21	19.30	1.285	0.136	/
	Level1		Right Cheek	0	20850	2510	1	HIGH	-0.19	0.414	18.18	19.30	1.294	0.536	/
	Level1			0	21100	2535	50	LOW	0.15	0.399	18.21	19.30	1.285	0.513	/
	Level1		Right Tilt	0	20850	2510	1	HIGH	0.14	0.185	18.18	19.30	1.294	0.239	/
	Level1			0	21100	2535	50	LOW	0.09	0.171	18.21	19.30	1.285	0.220	/

Ant.4 (Only For ENDC)	Level1	QPSK	Left Cheek	0	20850	2510	1	HIGH	-0.02	0.172	18.18	19.50	1.355	0.233	/
	Level1			0	21100	2535	50	LOW	0.19	0.168	18.21	19.50	1.346	0.226	/
	Level1		Left Tilt	0	20850	2510	1	HIGH	-0.01	0.113	18.18	19.50	1.355	0.153	/
	Level1			0	21100	2535	50	LOW	-0.14	0.106	18.21	19.50	1.346	0.143	/
	Level1		Right Cheek	0	20850	2510	1	HIGH	-0.19	0.414	18.18	19.50	1.355	0.561	/
	Level1			0	21100	2535	50	LOW	0.15	0.399	18.21	19.50	1.346	0.537	/
	Level1		Right Tilt	0	20850	2510	1	HIGH	0.14	0.185	18.18	19.50	1.355	0.251	/
	Level1			0	21100	2535	50	LOW	0.09	0.171	18.21	19.50	1.346	0.230	/
Body-worn Accessory															
Ant.1	Level2	QPSK	Front Side	15	20850	2535	1	HIGH	-0.02	0.050	17.58	18.70	1.294	0.065	/
	Level2			15	21350	2560	50	LOW	-0.04	0.045	17.71	18.70	1.256	0.057	/
	Level2		Back Side	15	20850	2535	1	HIGH	-0.08	0.100	17.58	18.70	1.294	0.129	/
	Level2			15	21350	2560	50	LOW	0.11	0.089	17.71	18.70	1.256	0.112	/
Ant.1 (Only For ENDC)	Level2	QPSK	Front Side	15	20850	2535	1	HIGH	-0.02	0.050	17.58	18.50	1.236	0.062	/
	Level2			15	21350	2560	50	LOW	-0.04	0.050	17.71	18.50	1.199	0.060	/
	Level2		Back Side	15	20850	2535	1	HIGH	-0.08	0.109	17.58	18.50	1.236	0.135	/
	Level2			15	21350	2560	50	LOW	0.11	0.110	17.71	18.50	1.199	0.132	/
Ant.0	Level2	QPSK	Front Side	15	21350	2560	1	MID	0.07	0.098	20.86	21.70	1.213	0.119	/
	Level2			15	21350	2560	50	HIGH	0.16	0.085	21.01	21.70	1.172	0.100	/
	Level2		Back Side	15	21350	2560	1	MID	0.09	0.118	20.86	21.70	1.213	**0.143**	26#
	Level2			15	21350	2560	50	HIGH	-0.09	0.115	21.01	21.70	1.172	0.135	/
Ant.0 (Only For ENDC)	Level2	QPSK	Front Side	15	21350	2560	1	MID	0.07	0.098	20.86	21.50	1.159	0.114	/
	Level2			15	21350	2560	50	HIGH	0.16	0.085	21.01	21.50	1.119	0.095	/
	Level2		Back Side	15	21350	2560	1	MID	0.09	0.118	20.86	21.50	1.159	0.137	/
	Level2			15	21350	2560	50	HIGH	-0.09	0.115	21.01	21.50	1.119	0.129	/
Ant.4	Level2	QPSK	Front Side	15	20850	2535	1	LOW	0.10	0.049	17.66	18.80	1.300	0.064	/
	Level2			15	21100	2560	50	HIGH	-0.05	0.049	17.75	18.80	1.274	0.062	/
	Level2		Back Side	15	20850	2535	1	LOW	0.19	0.101	17.66	18.80	1.300	0.131	/
	Level2			15	21100	2560	50	HIGH	-0.15	0.098	17.75	18.80	1.274	0.125	/
Ant.4 (Only For ENDC)	Level2	QPSK	Front Side	15	20850	2535	1	LOW	0.10	0.049	17.66	19.00	1.361	0.067	/
	Level2			15	21100	2560	50	HIGH	-0.05	0.043	17.75	19.00	1.334	0.057	/
	Level2		Back Side	15	20850	2535	1	LOW	0.19	0.101	17.66	19.00	1.361	0.138	/
	Level2			15	21100	2560	50	HIGH	-0.15	0.098	17.75	19.00	1.334	0.131	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	20850	2510	1	HIGH	-0.18	0.112	17.58	18.70	1.294	0.145	/
	Level2			10	21350	2560	50	LOW	-0.08	0.110	17.71	18.70	1.256	0.138	/
	Level2		Back Side	10	20850	2510	1	HIGH	0.05	0.267	17.58	18.70	1.294	0.346	/
	Level2			10	21350	2560	50	LOW	-0.15	0.259	17.71	18.70	1.256	0.325	/
	Level2		Right Edge	10	20850	2510	1	HIGH	-0.16	0.074	17.58	18.70	1.294	0.096	/
	Level2			10	21350	2560	50	LOW	-0.09	0.071	17.71	18.70	1.256	0.089	/
	Level2		Top Edge	10	20850	2510	1	HIGH	-0.19	0.323	17.58	18.70	1.294	**0.418**	27#
	Level2			10	21350	2560	50	LOW	0.09	0.311	17.71	18.70	1.256	0.391	/
	Level2	QPSK	Front Side	10	20850	2510	1	HIGH	-0.18	0.112	17.58	18.50	1.236	0.138	/

Ant.1 (Only For ENDC)	Level2			10	21350	2560	50	LOW	-0.08	0.091	17.71	18.50	1.199	0.109	/
	Level2		Back Side	10	20850	2510	1	HIGH	0.05	0.267	17.58	18.50	1.236	0.330	/
	Level2			10	21350	2560	50	LOW	-0.15	0.249	17.71	18.50	1.199	0.299	/
	Level2		Right Edge	10	20850	2510	1	HIGH	-0.16	0.074	17.58	18.50	1.236	0.091	/
	Level2			10	21350	2560	50	LOW	-0.09	0.071	17.71	18.50	1.199	0.085	/
	Level2		Top Edge	10	20850	2510	1	HIGH	-0.19	0.323	17.58	18.50	1.236	0.399	/
	Level2			10	21350	2560	50	LOW	0.09	0.311	17.71	18.50	1.199	0.373	/
Ant.0	Level2	QPSK	Front Side	10	21350	2560	1	MID	0.04	0.221	20.86	21.70	1.213	0.268	/
	Level2			10	21350	2560	50	HIGH	-0.04	0.212	21.01	21.70	1.172	0.249	/
	Level2		Back Side	10	21350	2560	1	MID	-0.14	0.245	20.86	21.70	1.213	0.297	/
	Level2			10	21350	2560	50	HIGH	0.06	0.230	21.01	21.70	1.172	0.270	/
	Level2		Left Edge	10	21350	2560	1	MID	-0.09	0.085	20.86	21.70	1.213	0.103	/
	Level2			10	21350	2560	50	HIGH	0.03	0.082	21.01	21.70	1.172	0.096	/
	Level2		Right Edge	10	21350	2560	1	MID	-0.18	0.041	20.86	21.70	1.213	0.050	/
	Level2			10	21350	2560	50	HIGH	0.11	0.035	21.01	21.70	1.172	0.041	/
	Level2		Bottom Edge	10	21350	2560	1	MID	-0.04	0.151	20.86	21.70	1.213	0.183	/
	Level2			10	21350	2560	50	HIGH	0.08	0.146	21.01	21.70	1.172	0.171	/
Ant.0 (Only For ENDC)	Level2	QPSK	Front Side	10	21350	2560	1	MID	0.04	0.221	20.86	21.50	1.159	0.256	/
	Level2			10	21350	2560	50	HIGH	-0.04	0.212	21.01	21.50	1.119	0.237	/
	Level2		Back Side	10	21350	2560	1	MID	-0.14	0.245	20.86	21.50	1.159	0.284	/
	Level2			10	21350	2560	50	HIGH	0.06	0.230	21.01	21.50	1.119	0.257	/
	Level2		Left Edge	10	21350	2560	1	MID	-0.09	0.085	20.86	21.50	1.159	0.098	/
	Level2			10	21350	2560	50	HIGH	0.03	0.082	21.01	21.50	1.119	0.092	/
	Level2		Right Edge	10	21350	2560	1	MID	-0.18	0.041	20.86	21.50	1.159	0.048	/
	Level2			10	21350	2560	50	HIGH	0.11	0.035	21.01	21.50	1.119	0.039	/
	Level2		Bottom Edge	10	21350	2560	1	MID	-0.04	0.151	20.86	21.50	1.159	0.175	/
	Level2			10	21350	2560	50	HIGH	0.08	0.146	21.01	21.50	1.119	0.163	/
Ant.4	Level2	QPSK	Front Side	10	21100	2535	1	LOW	0.09	0.084	17.66	18.80	1.300	0.109	/
	Level2			10	21100	2535	50	HIGH	0.08	0.085	17.75	18.80	1.274	0.108	/
	Level2		Back Side	10	21100	2535	1	LOW	-0.14	0.307	17.66	18.80	1.300	0.399	/
	Level2			10	21100	2535	50	HIGH	0.02	0.286	17.75	18.80	1.274	0.364	/
	Level2		Right Edge	10	21100	2535	1	LOW	-0.06	0.185	17.66	18.80	1.300	0.241	/
	Level2			10	21100	2535	50	HIGH	0.13	0.174	17.75	18.80	1.274	0.222	/
	Level2		Top Edge	10	21100	2535	1	LOW	-0.08	0.085	17.66	18.80	1.300	0.111	/
	Level2			10	21100	2535	50	HIGH	-0.18	0.078	17.75	18.80	1.274	0.099	/
Ant.4 (Only For ENDC)	Level2	QPSK	Front Side	10	21100	2535	1	LOW	0.09	0.084	17.66	19.00	1.361	0.114	/
	Level2			10	21100	2535	50	HIGH	0.08	0.085	17.75	19.00	1.334	0.113	/
	Level2		Back Side	10	21100	2535	1	LOW	-0.14	0.307	17.66	19.00	1.361	0.418	/
	Level2			10	21100	2535	50	HIGH	0.02	0.286	17.75	19.00	1.334	0.381	/
	Level2		Right Edge	10	21100	2535	1	LOW	-0.06	0.185	17.66	19.00	1.361	0.252	/
	Level2			10	21100	2535	50	HIGH	0.13	0.174	17.75	19.00	1.334	0.232	/
	Level2		Top Edge	10	21100	2535	1	LOW	-0.08	0.085	17.66	19.00	1.361	0.116	/
	Level2			10	21100	2535	50	HIGH	-0.18	0.078	17.75	19.00	1.334	0.104	/

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

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Right Tilt	0	21350 +21152	2560 +2540.2	1+1	LOW +HIGH	0.04	0.394	14.81	16.70	1.545	0.609	/
Body-worn Accessory															
Ant.0	Level2	QPSK	Back Side	15	21350 +21152	2560 +2540.2	1+1	LOW +HIGH	-0.14	0.106	20.60	21.70	1.288	0.137	/
Hotspot															
Ant.1	Level2	QPSK	Top Edge	10	20850 +21048	2510 +2529.8	1+1	HIGH +LOW	-0.05	0.291	17.21	18.70	1.409	0.410	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.11 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	23060	704	1	LOW	-0.12	0.281	22.85	24.00	1.303	0.366	/
	Level1			0	23060	704	25	MID	-0.05	0.272	22.96	24.00	1.271	0.346	/
	Level1		Left Tilt	0	23060	704	1	LOW	0.13	0.256	22.85	24.00	1.303	0.334	/
	Level1			0	23060	704	25	MID	-0.03	0.243	22.96	24.00	1.271	0.309	/
	Level1		Right Cheek	0	23060	704	1	LOW	-0.12	0.474	22.85	24.00	1.303	0.618	/
	Level1			0	23060	704	25	MID	-0.12	0.490	22.96	24.00	1.271	**0.623**	28#
	Level1		Right Tilt	0	23060	704	1	LOW	0.12	0.395	22.85	24.00	1.303	0.515	/
	Level1			0	23060	704	25	MID	0.19	0.384	22.96	24.00	1.271	0.488	/
Ant.0	Level1	QPSK	Left Cheek	0	23060	704	1	LOW	0.11	0.179	24.21	25.00	1.199	0.215	/
	Level1			0	23130	711	25	HIGH	0.17	0.142	23.28	24.00	1.180	0.168	/
	Level1		Left Tilt	0	23060	704	1	LOW	-0.05	0.095	24.21	25.00	1.199	0.114	/
	Level1			0	23130	711	25	HIGH	0.04	0.078	23.28	24.00	1.180	0.092	/
	Level1		Right Cheek	0	23060	704	1	LOW	-0.12	0.122	24.21	25.00	1.199	0.146	/
	Level1			0	23130	711	25	HIGH	0.05	0.093	23.28	24.00	1.180	0.110	/
	Level1		Right Tilt	0	23060	704	1	LOW	0.01	0.061	24.21	25.00	1.199	0.073	/
	Level1			0	23130	711	25	HIGH	-0.05	0.052	23.28	24.00	1.180	0.061	/
Body-worn Accessory															
Ant.1	Level2	QPSK	Front Side	15	23060	704	1	LOW	-0.08	0.135	24.12	25.00	1.225	0.165	/
	Level2			15	23095	707.5	25	MID	0.17	0.112	23.22	24.00	1.197	0.134	/
	Level2		Back Side	15	23060	704	1	LOW	-0.08	0.171	24.12	25.00	1.225	0.209	/
	Level2			15	23095	707.5	25	MID	0.17	0.151	23.22	24.00	1.197	0.181	/
Ant.0	Level2	QPSK	Front Side	15	23060	704	1	LOW	-0.01	0.182	24.21	25.00	1.199	0.218	/
	Level2			15	23130	711	25	HIGH	0.07	0.165	23.28	24.00	1.180	0.195	/
	Level2		Back Side	15	23060	704	1	LOW	-0.14	0.250	24.21	25.00	1.199	**0.300**	29#
	Level2			15	23130	711	25	HIGH	0.14	0.210	23.28	24.00	1.180	0.248	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	23060	704	1	LOW	0.16	0.123	24.12	25.00	1.225	0.151	/
	Level2			10	23095	707.5	25	MID	-0.03	0.097	23.22	24.00	1.197	0.116	/
	Level2		Back Side	10	23060	704	1	LOW	0.13	0.172	24.12	25.00	1.225	0.211	/
	Level2			10	23095	707.5	25	MID	0.16	0.135	23.22	24.00	1.197	0.162	/
	Level2		Right Edge	10	23060	704	1	LOW	-0.11	0.154	24.12	25.00	1.225	0.189	/
	Level2			10	23095	707.5	25	MID	-0.08	0.122	23.22	24.00	1.197	0.146	/
	Level2		Top Edge	10	23060	704	1	LOW	0.12	0.100	24.12	25.00	1.225	0.122	/
	Level2			10	23095	707.5	25	MID	-0.19	0.078	23.22	24.00	1.197	0.093	/
Ant.0	Level2	QPSK	Front Side	10	23060	704	1	LOW	0.04	0.133	24.21	25.00	1.199	0.160	/
	Level2			10	23130	711	25	HIGH	-0.14	0.121	23.28	24.00	1.180	0.143	/
	Level2		Back Side	10	23060	704	1	LOW	-0.18	0.202	24.21	25.00	1.199	0.242	/
	Level2			10	23130	711	25	HIGH	0.08	0.185	23.28	24.00	1.180	0.218	/
	Level2		Left Edge	10	23060	704	1	LOW	-0.11	0.133	24.21	25.00	1.199	0.160	/

	Level2			10	23130	711	25	HIGH	0.18	0.112	23.28	24.00	1.180	0.132	/
	Level2		Right Edge	10	23060	704	1	LOW	0.04	0.320	24.21	25.00	1.199	**0.384**	30#
	Level2			10	23130	711	25	HIGH	0.12	0.309	23.28	24.00	1.180	0.365	/
	Level2		Bottom Edge	10	23060	704	1	LOW	0.07	0.106	24.21	25.00	1.199	0.127	/
	Level2			10	23130	711	25	HIGH	-0.14	0.095	23.28	24.00	1.180	0.112	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.12 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	26765	821.5	1	LOW	0.09	0.265	19.82	21.00	1.312	0.348	/
	Level1			0	26765	821.5	36	HIGH	0.03	0.263	19.94	21.00	1.276	0.336	/
	Level1		Left Tilt	0	26765	821.5	1	LOW	0.11	0.224	19.82	21.00	1.312	0.294	/
	Level1			0	26765	821.5	36	HIGH	-0.01	0.212	19.94	21.00	1.276	0.271	/
	Level1		Right Cheek	0	26765	821.5	1	LOW	-0.05	0.405	19.82	21.00	1.312	0.531	/
	Level1			0	26765	821.5	50	HIGH	-0.13	0.416	19.94	21.00	1.276	**0.531**	31#
	Level1		Right Tilt	0	26765	821.5	1	LOW	0.07	0.323	19.82	21.00	1.312	0.424	/
	Level1			0	26765	821.5	36	HIGH	-0.17	0.315	19.94	21.00	1.276	0.402	/
Ant.1 (Only For ENDC)	Level1	QPSK	Left Cheek	0	26765	821.5	1	LOW	-0.13	0.215	18.83	20.00	1.309	0.281	/
	Level1			0	26765	821.5	36	MID	-0.01	0.202	19.08	20.00	1.236	0.250	/
	Level1		Left Tilt	0	26765	821.5	1	LOW	-0.16	0.191	18.83	20.00	1.309	0.250	/
	Level1			0	26765	821.5	36	MID	-0.12	0.182	19.08	20.00	1.236	0.225	/
	Level1		Right Cheek	0	26765	821.5	1	LOW	-0.11	0.323	18.83	20.00	1.309	0.423	/
	Level1			0	26765	821.5	50	MID	-0.11	0.331	19.08	20.00	1.236	0.409	/
	Level1		Right Tilt	0	26765	821.5	1	LOW	0.10	0.271	18.83	20.00	1.309	0.355	/
	Level1			0	26765	821.5	36	MID	-0.14	0.256	19.08	20.00	1.236	0.316	/
Ant.0	Level1	QPSK	Left Cheek	0	26765	821.5	1	LOW	0.12	0.199	24.38	25.00	1.153	0.230	/
	Level1			0	26765	821.5	36	LOW	0.00	0.162	23.44	24.00	1.138	0.184	/
	Level1		Left Tilt	0	26765	821.5	1	LOW	-0.17	0.096	24.38	25.00	1.153	0.111	/
	Level1			0	26765	821.5	36	LOW	0.15	0.076	23.44	24.00	1.138	0.086	/
	Level1		Right Cheek	0	26765	821.5	1	LOW	-0.19	0.144	24.38	25.00	1.153	0.166	/
	Level1			0	26765	821.5	36	LOW	0.05	0.119	23.44	24.00	1.138	0.135	/
	Level1		Right Tilt	0	26765	821.5	1	LOW	0.01	0.082	24.38	25.00	1.153	0.095	/
	Level1			0	26765	821.5	36	LOW	-0.16	0.065	23.44	24.00	1.138	0.074	/
Ant.0 (Only For ENDC)	Level1	QPSK	Left Cheek	0	26765	821.5	1	LOW	0.12	0.171	23.47	24.00	1.130	0.193	/
	Level1			0	26765	821.5	36	MID	-0.14	0.163	23.46	24.00	1.132	0.185	/
	Level1		Left Tilt	0	26765	821.5	1	LOW	-0.02	0.085	23.47	24.00	1.130	0.096	/
	Level1			0	26765	821.5	36	MID	-0.10	0.078	23.46	24.00	1.132	0.088	/
	Level1		Right Cheek	0	26765	821.5	1	LOW	0.06	0.118	23.47	24.00	1.130	0.133	/
	Level1			0	26765	821.5	36	MID	-0.11	0.113	23.46	24.00	1.132	0.128	/
	Level1		Right Tilt	0	26765	821.5	1	LOW	0.10	0.068	23.47	24.00	1.130	0.077	/
	Level1			0	26765	821.5	36	MID	-0.03	0.068	23.46	24.00	1.132	0.077	/
Body-worn Accessory															
Ant.1	Level2	QPSK	Front Side	15	26765	821.5	1	LOW	-0.16	0.182	24.23	25.00	1.194	0.217	/
	Level2			15	26765	821.5	36	LOW	-0.06	0.165	23.26	24.00	1.186	0.196	/
	Level2		Back Side	15	26765	821.5	1	LOW	-0.04	0.255	24.23	25.00	1.194	**0.304**	32#
	Level2			15	26765	821.5	36	LOW	0.16	0.203	23.26	24.00	1.186	0.241	/
Ant.1 (Only	Level2	QPSK	Front Side	15	26765	821.5	1	LOW	0.02	0.161	23.29	24.00	1.178	0.190	/
	Level2			15	26765	821.5	36	HIGH	-0.02	0.167	23.31	24.00	1.172	0.196	/

For ENDC)	Level2		Back Side	15	26765	821.5	1	LOW	0.02	0.232	23.29	24.00	1.178	0.273	/
	Level2			15	26765	821.5	36	HIGH	-0.18	0.210	23.31	24.00	1.172	0.246	/
Ant.0	Level2	QPSK	Front Side	15	26765	821.5	1	LOW	0.15	0.132	24.38	25.00	1.153	0.152	/
	Level2			15	26765	821.5	36	LOW	-0.04	0.104	23.44	24.00	1.138	0.118	/
	Level2		Back Side	15	26765	821.5	1	LOW	-0.11	0.177	24.38	25.00	1.153	0.204	/
	Level2			15	26765	821.5	36	LOW	-0.09	0.140	23.44	24.00	1.138	0.159	/
Ant.0 (Only For ENDC)	Level2	QPSK	Front Side	15	26765	821.5	1	LOW	0.12	0.105	23.47	24.00	1.130	0.119	/
	Level2			15	26765	821.5	36	MID	-0.13	0.099	23.46	24.00	1.132	0.112	/
	Level2		Back Side	15	26765	821.5	1	LOW	0.06	0.162	23.47	24.00	1.130	0.183	/
	Level2			15	26765	821.5	36	MID	0.02	0.151	23.46	24.00	1.132	0.171	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	26765	821.5	1	LOW	0.15	0.217	24.23	25.00	1.194	0.259	/
	Level2			10	26765	821.5	36	LOW	-0.11	0.179	23.26	24.00	1.186	0.212	/
	Level2		Back Side	10	26765	821.5	1	LOW	0.16	0.278	24.23	25.00	1.194	0.332	/
	Level2			10	26765	821.5	36	LOW	0.17	0.223	23.26	24.00	1.186	0.264	/
	Level2		Right Edge	10	26765	821.5	1	LOW	-0.07	0.157	24.23	25.00	1.194	0.187	/
	Level2			10	26765	821.5	36	LOW	-0.14	0.129	23.26	24.00	1.186	0.153	/
	Level2		Top Edge	10	26765	821.5	1	LOW	-0.08	0.216	24.23	25.00	1.194	0.258	/
	Level2			10	26765	821.5	36	LOW	0.09	0.175	23.26	24.00	1.186	0.208	/
Ant.1 (Only For ENDC)	Level2	QPSK	Front Side	10	26765	821.5	1	LOW	-0.06	0.192	23.29	24.00	1.178	0.226	/
	Level2			10	26765	821.5	36	HIGH	-0.01	0.171	23.31	24.00	1.172	0.200	/
	Level2		Back Side	10	26765	821.5	1	LOW	-0.11	0.231	23.29	24.00	1.178	0.272	/
	Level2			10	26765	821.5	36	HIGH	-0.19	0.215	23.31	24.00	1.172	0.252	/
	Level2		Right Edge	10	26765	821.5	1	LOW	-0.06	0.127	23.29	24.00	1.178	0.150	/
	Level2			10	26765	821.5	36	HIGH	-0.19	0.126	23.31	24.00	1.172	0.148	/
	Level2		Top Edge	10	26765	821.5	1	LOW	0.15	0.171	23.29	24.00	1.178	0.201	/
	Level2			10	26765	821.5	36	HIGH	0.15	0.168	23.31	24.00	1.172	0.197	/
Ant.0	Level2	QPSK	Front Side	10	26765	821.5	1	LOW	-0.11	0.173	24.38	25.00	1.153	0.200	/
	Level2			10	26765	821.5	36	LOW	0.16	0.143	23.44	24.00	1.138	0.163	/
	Level2		Back Side	10	26765	821.5	1	LOW	-0.02	0.314	24.38	25.00	1.153	**0.362**	33#
	Level2			10	26765	821.5	36	LOW	-0.15	0.251	23.44	24.00	1.138	0.286	/
	Level2		Left Edge	10	26765	821.5	1	LOW	-0.02	0.089	24.38	25.00	1.153	0.103	/
	Level2			10	26765	821.5	36	LOW	0.06	0.070	23.44	24.00	1.138	0.080	/
	Level2		Right Edge	10	26765	821.5	1	LOW	0.17	0.194	24.38	25.00	1.153	0.224	/
	Level2			10	26765	821.5	36	LOW	0.17	0.154	23.44	24.00	1.138	0.175	/
	Level2		Bottom Edge	10	26765	821.5	1	LOW	0.12	0.225	24.38	25.00	1.153	0.260	/
	Level2			10	26765	821.5	36	LOW	-0.19	0.188	23.44	24.00	1.138	0.214	/
Ant.0 (Only For ENDC)	Level2	QPSK	Front Side	10	26765	821.5	1	LOW	-0.10	0.152	23.47	24.00	1.130	0.172	/
	Level2			10	26765	821.5	36	MID	-0.04	0.145	23.46	24.00	1.132	0.164	/
	Level2		Back Side	10	26765	821.5	1	LOW	0.00	0.254	23.47	24.00	1.130	0.287	/
	Level2			10	26765	821.5	36	MID	-0.10	0.243	23.46	24.00	1.132	0.275	/
	Level2		Left Edge	10	26765	821.5	1	LOW	-0.19	0.073	23.47	24.00	1.130	0.082	/
	Level2			10	26765	821.5	36	MID	-0.10	0.068	23.46	24.00	1.132	0.077	/
	Level2		Right Edge	10	26765	821.5	1	LOW	0.00	0.159	23.47	24.00	1.130	0.180	/

	Level2			10	26765	821.5	36	MID	0.16	0.148	23.46	24.00	1.132	0.168	/
	Level2		Bottom Edge	10	26765	821.5	1	LOW	0.13	0.184	23.47	24.00	1.130	0.208	/
	Level2			10	26765	821.5	36	MID	0.05	0.175	23.46	24.00	1.132	0.198	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.13 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	132322	1745	1	MID	0.05	0.251	14.66	15.80	1.300	0.326	/
	Level1			0	132572	1770	50	HIGH	-0.06	0.242	14.76	15.80	1.271	0.307	/
	Level1		Left Tilt	0	132322	1745	1	MID	-0.18	0.367	14.66	15.80	1.300	0.477	/
	Level1			0	132572	1770	50	HIGH	0.18	0.356	14.76	15.80	1.271	0.452	/
	Level1		Right Cheek	0	132322	1745	1	MID	0.17	0.428	14.66	15.80	1.300	0.556	/
	Level1			0	132572	1770	50	HIGH	-0.18	0.415	14.76	15.80	1.271	0.527	/
	Level1		Right Tilt	0	132322	1745	1	MID	-0.08	0.518	14.66	15.80	1.300	**0.673**	34#
	Level1			0	132572	1770	50	HIGH	-0.03	0.484	14.76	15.80	1.271	0.615	/
Ant.1 (Only For ENDC)	Level1	QPSK	Left Cheek	0	132322	1745	1	LOW	-0.12	0.205	14.16	15.00	1.213	0.249	/
	Level1			0	132572	1770	50	HIGH	0.08	0.192	14.33	15.00	1.167	0.224	/
	Level1		Left Tilt	0	132322	1745	1	LOW	0.04	0.323	14.16	15.00	1.213	0.392	/
	Level1			0	132572	1770	50	HIGH	0.02	0.297	14.33	15.00	1.167	0.347	/
	Level1		Right Cheek	0	132322	1745	1	LOW	0.16	0.372	14.16	15.00	1.213	0.451	/
	Level1			0	132572	1770	50	HIGH	-0.1	0.351	14.33	15.00	1.167	0.410	/
	Level1		Right Tilt	0	132322	1745	1	LOW	0.06	0.434	14.16	15.00	1.213	0.527	/
	Level1			0	132572	1770	50	HIGH	-0.07	0.412	14.33	15.00	1.167	0.481	/
Ant.0	Level1	QPSK	Left Cheek	0	132322	1745	1	MID	-0.03	0.141	24.10	24.80	1.175	0.166	/
	Level1			0	132322	1745	50	HIGH	-0.15	0.125	23.13	23.80	1.167	0.146	/
	Level1		Left Tilt	0	132322	1745	1	MID	-0.04	0.145	24.10	24.80	1.175	0.170	/
	Level1			0	132322	1745	50	HIGH	0.08	0.125	23.13	23.80	1.167	0.146	/
	Level1		Right Cheek	0	132322	1745	1	MID	0.05	0.069	24.10	24.80	1.175	0.081	/
	Level1			0	132322	1745	50	HIGH	-0.04	0.058	23.13	23.80	1.167	0.068	/
	Level1		Right Tilt	0	132322	1745	1	MID	0.14	0.063	24.10	24.80	1.175	0.074	/
	Level1			0	132322	1745	50	HIGH	-0.13	0.059	23.13	23.80	1.167	0.069	/
Ant.0 (Only For ENDC)	Level1	QPSK	Left Cheek	0	132072	1720	1	HIGH	-0.16	0.131	23.11	24.00	1.227	0.161	/
	Level1			0	132322	1745	50	MID	0.17	0.126	23.11	23.80	1.172	0.148	/
	Level1		Left Tilt	0	132072	1720	1	HIGH	0.12	0.132	23.11	24.00	1.227	0.162	/
	Level1			0	132322	1745	50	MID	0.06	0.126	23.11	23.80	1.172	0.148	/
	Level1		Right Cheek	0	132072	1720	1	HIGH	0.07	0.058	23.11	24.00	1.227	0.071	/
	Level1			0	132322	1745	50	MID	0.08	0.053	23.11	23.80	1.172	0.062	/
	Level1		Right Tilt	0	132072	1720	1	HIGH	0.05	0.054	23.11	24.00	1.227	0.066	/
	Level1			0	132322	1745	50	MID	-0.01	0.049	23.11	23.80	1.172	0.057	/
Body-worn Accessory															
Ant.1	Level2	QPSK	Front Side	15	132322	1745	1	HIGH	-0.03	0.093	19.17	20.30	1.297	0.121	/
	Level2			15	132322	1745	50	HIGH	0.04	0.091	19.20	20.30	1.288	0.117	/
	Level2		Back Side	15	132322	1745	1	HIGH	-0.05	0.125	19.17	20.30	1.297	0.162	/
	Level2			15	132322	1745	50	HIGH	0.10	0.113	19.20	20.30	1.288	0.146	/
Ant.1 (Only	Level2	QPSK	Front Side	15	132572	1770	1	MID	0.03	0.083	18.61	19.50	1.227	0.102	/
	Level2			15	132322	1745	50	HIGH	0.02	0.077	18.73	19.50	1.194	0.092	/

For ENDC)	Level2		Back Side	15	132572	1770	1	MID	-0.10	0.112	18.61	19.50	1.227	0.137	/
	Level2			15	132322	1745	50	HIGH	0.18	0.103	18.73	19.50	1.194	0.123	/
Ant.0	Level2	QPSK	Front Side	15	132322	1745	1	MID	0.03	0.142	20.75	21.80	1.274	0.181	/
	Level2			15	132322	1745	50	HIGH	0.15	0.132	20.85	21.80	1.245	0.164	/
	Level2		Back Side	15	132322	1745	1	MID	-0.08	0.158	20.75	21.80	1.274	**0.201**	35#
	Level2			15	132322	1745	50	HIGH	-0.05	0.154	20.85	21.80	1.245	0.192	/
Ant.0 (Only For ENDC)	Level2	QPSK	Front Side	15	132322	1745	1	MID	0.00	0.124	20.33	21.00	1.167	0.145	/
	Level2			15	132322	1745	50	HIGH	-0.08	0.120	20.37	21.00	1.156	0.139	/
	Level2		Back Side	15	132322	1745	1	MID	0.19	0.146	20.33	21.00	1.167	0.170	/
	Level2			15	132322	1745	50	HIGH	0.12	0.138	20.37	21.00	1.156	0.160	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	132322	1745	1	HIGH	-0.19	0.202	19.17	20.30	1.297	0.262	/
	Level2			10	132322	1745	50	HIGH	-0.17	0.197	19.20	20.30	1.288	0.254	/
	Level2		Back Side	10	132322	1745	1	HIGH	-0.13	0.276	19.17	20.30	1.297	0.358	/
	Level2			10	132322	1745	50	HIGH	-0.13	0.262	19.20	20.30	1.288	0.338	/
	Level2		Right Edge	10	132322	1745	1	HIGH	0.08	0.041	19.17	20.30	1.297	0.053	/
	Level2			10	132322	1745	50	HIGH	-0.19	0.038	19.20	20.30	1.288	0.049	/
	Level2		Top Edge	10	132322	1745	1	HIGH	0.03	0.447	19.17	20.30	1.297	0.580	/
	Level2			10	132322	1745	50	HIGH	0.01	0.426	19.20	20.30	1.288	0.549	/
Ant.1 (Only For ENDC)	Level2	QPSK	Front Side	10	132572	1770	1	MID	-0.04	0.181	18.61	19.50	1.227	0.222	/
	Level2			10	132322	1745	50	HIGH	-0.13	0.172	18.73	19.50	1.194	0.205	/
	Level2		Back Side	10	132572	1770	1	MID	0.07	0.232	18.61	19.50	1.227	0.285	/
	Level2			10	132322	1745	50	HIGH	0.16	0.211	18.73	19.50	1.194	0.252	/
	Level2		Right Edge	10	132572	1770	1	MID	0.03	0.034	18.61	19.50	1.227	0.042	/
	Level2			10	132322	1745	50	HIGH	-0.03	0.029	18.73	19.50	1.194	0.035	/
	Level2		Top Edge	10	132572	1770	1	MID	0.05	0.375	18.61	19.50	1.227	0.460	/
	Level2			10	132322	1745	50	HIGH	0.04	0.359	18.73	19.50	1.194	0.429	/
Ant.0	Level2	QPSK	Front Side	10	132322	1745	1	MID	0.19	0.246	20.75	21.80	1.274	0.313	/
	Level2			10	132322	1745	50	HIGH	-0.09	0.230	20.85	21.80	1.245	0.286	/
	Level2		Back Side	10	132322	1745	1	MID	0.08	0.305	20.75	21.80	1.274	0.388	/
	Level2			10	132322	1745	50	HIGH	0.12	0.288	20.85	21.80	1.245	0.358	/
	Level2		Left Edge	10	132322	1745	1	MID	-0.14	0.140	20.75	21.80	1.274	0.178	/
	Level2			10	132322	1745	50	HIGH	0.06	0.136	20.85	21.80	1.245	0.169	/
	Level2		Right Edge	10	132322	1745	1	MID	0.10	0.061	20.75	21.80	1.274	0.078	/
	Level2			10	132322	1745	50	HIGH	-0.11	0.064	20.85	21.80	1.245	0.080	/
	Level2		Bottom Edge	10	132322	1745	1	MID	-0.13	0.477	20.75	21.80	1.274	**0.607**	36#
	Level2			10	132322	1745	50	HIGH	-0.14	0.442	20.85	21.80	1.245	0.550	/
Ant.0 (Only For ENDC)	Level2	QPSK	Front Side	10	132322	1745	1	MID	0.11	0.213	20.33	21.00	1.167	0.249	/
	Level2			10	132322	1745	50	HIGH	-0.11	0.195	20.37	21.00	1.156	0.225	/
	Level2		Back Side	10	132322	1745	1	MID	0.15	0.265	20.33	21.00	1.167	0.309	/
	Level2			10	132322	1745	50	HIGH	-0.19	0.253	20.37	21.00	1.156	0.292	/
	Level2		Left Edge	10	132322	1745	1	MID	-0.08	0.124	20.33	21.00	1.167	0.145	/
	Level2			10	132322	1745	50	HIGH	0.15	0.116	20.37	21.00	1.156	0.134	/
	Level2		Right Edge	10	132322	1745	1	MID	0.18	0.056	20.33	21.00	1.167	0.065	/

	Level2			10	132322	1745	50	HIGH	0.00	0.054	20.37	21.00	1.156	0.062	/
	Level2		Bottom Edge	10	132322	1745	1	MID	0.16	0.385	20.33	21.00	1.167	0.449	/
	Level2			10	132322	1745	50	HIGH	-0.18	0.366	20.37	21.00	1.156	0.423	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.14 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	38150	2610	1	LOW	0.10	0.085	15.49	16.50	1.262	0.107	/
	Level1			0	38000	2595	50	MID	-0.15	0.076	15.53	16.50	1.250	0.095	/
	Level1		Left Tilt	0	38150	2610	1	LOW	-0.14	0.123	15.49	16.50	1.262	0.155	/
	Level1			0	38000	2595	50	MID	0.09	0.126	15.53	16.50	1.250	0.158	/
	Level1		Right Cheek	0	38150	2610	1	LOW	0.05	0.272	15.49	16.50	1.262	0.343	/
	Level1			0	38000	2595	50	MID	-0.13	0.265	15.53	16.50	1.250	0.331	/
	Level1		Right Tilt	0	38150	2610	1	LOW	0.12	0.320	15.49	16.50	1.262	0.404	/
	Level1			0	38000	2595	50	MID	-0.05	0.315	15.53	16.50	1.250	0.394	/
Ant.0	Level1	QPSK	Left Cheek	0	38150	2610	1	HIGH	-0.14	0.068	24.02	24.50	1.117	0.076	/
	Level1			0	38150	2610	50	MID	0.05	0.054	22.95	23.50	1.135	0.061	/
	Level1		Left Tilt	0	38150	2610	1	HIGH	-0.10	0.048	24.02	24.50	1.117	0.054	/
	Level1			0	38150	2610	50	MID	-0.14	0.045	22.95	23.50	1.135	0.051	/
	Level1		Right Cheek	0	38150	2610	1	HIGH	-0.06	0.136	24.02	24.50	1.117	0.152	/
	Level1			0	38150	2610	50	MID	0.00	0.121	22.95	23.50	1.135	0.137	/
	Level1		Right Tilt	0	38150	2610	1	HIGH	-0.16	0.064	24.02	24.50	1.117	0.071	/
	Level1			0	38150	2610	50	MID	-0.17	0.052	22.95	23.50	1.135	0.059	/
Ant.4	Level1	QPSK	Left Cheek	0	38150	2610	1	LOW	-0.02	0.274	20.28	21.60	1.355	0.371	/
	Level1			0	38150	2610	50	LOW	-0.03	0.266	20.32	21.60	1.343	0.357	/
	Level1		Left Tilt	0	38150	2610	1	LOW	0.13	0.175	20.28	21.60	1.355	0.237	/
	Level1			0	38150	2610	50	LOW	-0.12	0.163	20.32	21.60	1.343	0.219	/
	Level1		Right Cheek	0	38150	2610	1	LOW	0.15	0.589	20.28	21.60	1.355	**0.798**	37#
	Level1			0	38150	2610	50	LOW	-0.14	0.535	20.32	21.60	1.343	0.718	/
	Level1		Right Tilt	0	38150	2610	1	LOW	0.09	0.224	20.28	21.60	1.355	0.304	/
	Level1			0	38150	2610	50	LOW	0.17	0.213	20.32	21.60	1.343	0.286	/
Body-worn Accessory															
Ant.1	Level2	QPSK	Front Side	15	38150	2610	1	HIGH	-0.10	0.125	20.37	21.30	1.239	0.155	/
	Level2			15	38150	2610	50	HIGH	0.15	0.112	20.34	21.30	1.247	0.140	/
	Level2		Back Side	15	38150	2610	1	HIGH	-0.02	0.197	20.37	21.30	1.239	0.244	/
	Level2			15	38150	2610	50	HIGH	0.13	0.190	20.34	21.30	1.247	0.237	/
Ant.0	Level2	QPSK	Front Side	15	38150	2610	1	HIGH	0.19	0.105	22.81	23.50	1.172	0.123	/
	Level2			15	38150	2610	50	MID	0.17	0.103	22.80	23.50	1.175	0.121	/
	Level2		Back Side	15	38150	2610	1	HIGH	-0.08	0.124	22.81	23.50	1.172	0.145	/
	Level2			15	38150	2610	50	MID	0.05	0.118	22.80	23.50	1.175	0.139	/
Ant.4	Level2	QPSK	Front Side	15	38150	2610	1	LOW	-0.01	0.117	20.28	21.60	1.355	0.159	/
	Level2			15	38150	2610	50	LOW	0.16	0.119	20.32	21.60	1.343	0.160	/
	Level2		Back Side	15	38150	2610	1	LOW	-0.18	0.234	20.28	21.60	1.355	**0.317**	38#
	Level2			15	38150	2610	50	LOW	0.11	0.228	20.32	21.60	1.343	0.306	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	38150	2610	1	HIGH	0.11	0.125	20.37	21.30	1.239	0.155	/

	Level2			10	38150	2610	50	HIGH	-0.18	0.121	20.34	21.30	1.247	0.151	/
	Level2		Back Side	10	38150	2610	1	HIGH	-0.02	0.312	20.37	21.30	1.239	0.387	/
	Level2			10	38150	2610	50	HIGH	0.05	0.296	20.34	21.30	1.247	0.369	/
	Level2		Right Edge	10	38150	2610	1	HIGH	-0.15	0.117	20.37	21.30	1.239	0.145	/
	Level2			10	38150	2610	50	HIGH	0.15	0.108	20.34	21.30	1.247	0.135	/
	Level2		Top Edge	10	38150	2610	1	HIGH	-0.09	0.489	20.37	21.30	1.239	0.606	/
	Level2			10	38150	2610	50	HIGH	-0.11	0.453	20.34	21.30	1.247	0.565	/
Ant.0	Level2	QPSK	Front Side	10	38150	2610	1	HIGH	0.11	0.301	22.81	23.50	1.172	0.353	/
	Level2			10	38150	2610	50	MID	0.07	0.290	22.80	23.50	1.175	0.341	/
	Level2		Back Side	10	38150	2610	1	HIGH	0.02	0.319	22.81	23.50	1.172	0.374	/
	Level2			10	38150	2610	50	MID	-0.04	0.297	22.80	23.50	1.175	0.349	/
	Level2		Left Edge	10	38150	2610	1	HIGH	0.02	0.131	22.81	23.50	1.172	0.154	/
	Level2			10	38150	2610	50	MID	0.04	0.129	22.80	23.50	1.175	0.152	/
	Level2		Right Edge	10	38150	2610	1	HIGH	-0.08	0.043	22.81	23.50	1.172	0.050	/
	Level2			10	38150	2610	50	MID	0.10	0.038	22.80	23.50	1.175	0.045	/
	Level2		Bottom Edge	10	38150	2610	1	HIGH	-0.12	0.169	22.81	23.50	1.172	0.198	/
	Level2			10	38150	2610	50	MID	-0.04	0.153	22.80	23.50	1.175	0.180	/
Ant.4	Level2	QPSK	Front Side	10	38150	2610	1	LOW	0.14	0.171	20.28	21.60	1.355	0.232	/
	Level2			10	38150	2610	50	LOW	-0.05	0.174	20.32	21.60	1.343	0.234	/
	Level2		Back Side	10	38150	2610	1	LOW	0.07	0.534	20.28	21.60	1.355	**0.724**	39#
	Level2			10	38150	2610	50	LOW	-0.05	0.521	20.32	21.60	1.343	0.700	/
	Level2		Right Edge	10	38150	2610	1	LOW	0.04	0.394	20.28	21.60	1.355	0.534	/
	Level2			10	38150	2610	50	LOW	-0.16	0.386	20.32	21.60	1.343	0.518	/
	Level2		Bottom Edge	10	38150	2610	1	LOW	0.08	0.013	20.28	21.60	1.355	0.018	/
	Level2			10	38150	2610	50	LOW	-0.12	0.015	20.32	21.60	1.343	0.020	/

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

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	Level1	QPSK	Right Cheek	0	38150 +37952	2610 +2590.2	1+1	Low +High	-0.04	0.535	20.13	21.60	1.403	0.751	/
Body-worn Accessory															
Ant.4	Level2	QPSK	Back Side	15	38150 +37952	2610 +2590.2	1+1	Low +High	0.08	0.164	20.13	21.60	1.403	0.230	/
Hotspot															
Ant.4	Level2	QPSK	Back Side	10	38150 +37952	2610 +2590.2	1+1	Low +High	-0.01	0.502	20.13	21.60	1.403	0.704	/

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

10.16 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	41490	2680	1	HIGH	-0.14	0.095	15.53	16.50	1.250	0.119	/
	Level1			0	41490	2680	50	MID	0.12	0.082	15.52	16.50	1.253	0.103	/
	Level1		Left Tilt	0	41490	2680	1	HIGH	-0.04	0.124	15.53	16.50	1.250	0.155	/
	Level1			0	41490	2680	50	MID	0.18	0.121	15.52	16.50	1.253	0.152	/
	Level1		Right Cheek	0	41490	2680	1	HIGH	-0.12	0.356	15.53	16.50	1.250	0.445	/
	Level1			0	41490	2680	50	MID	-0.07	0.335	15.52	16.50	1.253	0.420	/
	Level1		Right Tilt	0	41490	2680	1	HIGH	0.11	0.385	15.53	16.50	1.250	0.481	/
	Level1			0	41490	2680	50	MID	-0.13	0.366	15.52	16.50	1.253	0.459	/
Ant.0	Level1	QPSK	Left Cheek	0	41490	2680	1	HIGH	0.05	0.058	24.07	24.50	1.104	0.064	/
	Level1			0	41490	2680	50	HIGH	-0.03	0.048	23.06	23.50	1.107	0.053	/
	Level1		Left Tilt	0	41490	2680	1	HIGH	0.09	0.032	24.07	24.50	1.104	0.035	/
	Level1			0	41490	2680	50	HIGH	0.16	0.025	23.06	23.50	1.107	0.028	/
	Level1		Right Cheek	0	41490	2680	1	HIGH	-0.14	0.128	24.07	24.50	1.104	0.141	/
	Level1			0	41490	2680	50	HIGH	-0.04	0.103	23.06	23.50	1.107	0.114	/
	Level1		Right Tilt	0	41490	2680	1	HIGH	-0.17	0.040	24.07	24.50	1.104	0.044	/
	Level1			0	41490	2680	50	HIGH	0.00	0.041	23.06	23.50	1.107	0.045	/
Ant.4	Level1	QPSK	Left Cheek	0	41490	2680	1	LOW	-0.10	0.147	20.20	21.60	1.380	0.203	/
	Level1			0	41490	2680	50	HIGH	0.18	0.132	20.35	21.60	1.334	0.176	/
	Level1		Left Tilt	0	41490	2680	1	LOW	-0.14	0.165	20.20	21.60	1.380	0.228	/
	Level1			0	41490	2680	50	HIGH	0.00	0.152	20.35	21.60	1.334	0.203	/
	Level1		Right Cheek	0	41490	2680	1	LOW	-0.06	0.526	20.20	21.60	1.380	**0.726**	40#
	Level1			0	41490	2680	50	HIGH	0.19	0.520	20.35	21.60	1.334	0.693	/
	Level1		Right Tilt	0	41490	2680	1	LOW	0.02	0.211	20.20	21.60	1.380	0.291	/
	Level1			0	41490	2680	50	HIGH	-0.13	0.205	20.35	21.60	1.334	0.273	/
Body-worn Accessory															
Ant.1	Level2	QPSK	Front Side	15	41490	2680	1	LOW	0.15	0.074	20.48	21.50	1.265	0.094	/
	Level2			15	41490	2680	50	MID	0.08	0.069	20.52	21.50	1.253	0.086	/
	Level2		Back Side	15	41490	2680	1	LOW	0.05	0.096	20.48	21.50	1.265	0.121	/
	Level2			15	41490	2680	50	MID	-0.04	0.097	20.52	21.50	1.253	0.122	/
Ant.0	Level2	QPSK	Front Side	15	41490	2680	1	HIGH	0.02	0.068	22.76	23.50	1.186	0.081	/
	Level2			15	41490	2680	50	MID	0.02	0.074	22.82	23.50	1.169	0.087	/
	Level2		Back Side	15	41490	2680	1	HIGH	0.11	0.092	22.76	23.50	1.186	0.109	/
	Level2			15	41490	2680	50	MID	-0.10	0.095	22.82	23.50	1.169	0.111	/
Ant.4	Level2	QPSK	Front Side	15	41490	2680	1	LOW	-0.12	0.165	19.78	21.10	1.355	0.224	/
	Level2			15	41490	2680	50	HIGH	-0.08	0.158	19.81	21.10	1.346	0.213	/
	Level2		Back Side	15	41490	2680	1	LOW	0.18	0.206	19.78	21.10	1.355	**0.279**	41#
	Level2			15	41490	2680	50	HIGH	0.18	0.195	19.81	21.10	1.346	0.262	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	41490	2680	1	LOW	-0.03	0.232	20.48	21.50	1.265	0.293	/

	Level2			10	41490	2680	50	MID	0.08	0.230	20.52	21.50	1.253	0.288	/
	Level2		Back Side	10	41490	2680	1	LOW	0.01	0.458	20.48	21.50	1.265	0.579	/
	Level2			10	41490	2680	50	MID	0.08	0.448	20.52	21.50	1.253	0.561	/
	Level2		Right Edge	10	41490	2680	1	LOW	0.09	0.262	20.48	21.50	1.265	0.331	/
	Level2			10	41490	2680	50	MID	-0.18	0.257	20.52	21.50	1.253	0.322	/
	Level2		Top Edge	10	41490	2680	1	LOW	-0.18	0.403	20.48	21.50	1.265	0.510	/
	Level2			10	41490	2680	50	MID	-0.12	0.384	20.52	21.50	1.253	0.481	/
Ant.0	Level2	QPSK	Front Side	10	41490	2680	1	HIGH	0.05	0.237	22.76	23.50	1.186	0.281	/
	Level2			10	41490	2680	50	MID	-0.14	0.241	22.82	23.50	1.169	0.282	/
	Level2		Back Side	10	41490	2680	1	HIGH	-0.07	0.263	22.76	23.50	1.186	0.312	/
	Level2			10	41490	2680	50	MID	0.17	0.274	22.82	23.50	1.169	0.320	/
	Level2		Left Edge	10	41490	2680	1	HIGH	0.06	0.111	22.76	23.50	1.186	0.132	/
	Level2			10	41490	2680	50	MID	0.16	0.123	22.82	23.50	1.169	0.144	/
	Level2		Right Edge	10	41490	2680	1	HIGH	0.01	0.050	22.76	23.50	1.186	0.059	/
	Level2			10	41490	2680	50	MID	0.00	0.058	22.82	23.50	1.169	0.068	/
	Level2		Bottom Edge	10	41490	2680	1	HIGH	-0.08	0.176	22.76	23.50	1.186	0.209	/
	Level2			10	41490	2680	50	MID	0.00	0.184	22.82	23.50	1.169	0.215	/
Ant.4	Level2	QPSK	Front Side	10	41490	2680	1	LOW	0.16	0.423	19.78	21.10	1.355	0.573	/
	Level2			10	41490	2680	50	HIGH	0.07	0.396	19.81	21.10	1.346	0.533	/
	Level2		Back Side	10	41490	2680	1	LOW	0.01	0.475	19.78	21.10	1.355	**0.644**	42#
	Level2			10	41490	2680	50	HIGH	-0.01	0.462	19.81	21.10	1.346	0.622	/
	Level2		Right Edge	10	41490	2680	1	LOW	-0.07	0.311	19.78	21.10	1.355	0.421	/
	Level2			10	41490	2680	50	HIGH	0.14	0.314	19.81	21.10	1.346	0.423	/
	Level2		Top Edge	10	41490	2680	1	LOW	0.07	0.323	19.78	21.10	1.355	0.438	/
	Level2			10	41490	2680	50	HIGH	0.11	0.305	19.81	21.10	1.346	0.410	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	Level1	QPSK	Right Cheek	0	41490 +41292	2680 +2660.2	1+1	LOW +HIGH	0.16	0.459	19.81	21.60	1.510	0.693	/
Body-worn Accessory															
Ant.4	Level2	QPSK	Back Side	15	41490 +41292	2680 +2660.2	1+1	LOW +HIGH	-0.14	0.186	19.59	21.10	1.416	0.263	/
Hotspot															
Ant.4	Level2	QPSK	Back Side	10	41490 +41292	2680 +2660.2	1+1	LOW +HIGH	0.09	0.428	19.59	21.10	1.416	0.606	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.18 n5 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	DFT-s-OFDM QPSK	SA	Left Cheek	0	167300	836.5	1	1	-0.17	0.388	20.79	21.20	1.099	0.426	/
	Level1				0	167300	836.5	50	0	0.07	0.361	20.66	21.20	1.132	0.409	/
	Level1			Left Tilt	0	167300	836.5	1	1	-0.14	0.366	20.79	21.20	1.099	0.402	/
	Level1				0	167300	836.5	50	0	0.09	0.350	20.66	21.20	1.132	0.396	/
	Level1			Right Cheek	0	167300	836.5	1	1	0.01	0.503	20.79	21.20	1.099	**0.553**	43#
	Level1				0	167300	836.5	50	0	-0.16	0.474	20.66	21.20	1.132	0.537	/
	Level1			Right Tilt	0	167300	836.5	1	1	0.15	0.442	20.79	21.20	1.099	0.486	/
	Level1				0	167300	836.5	50	0	0.17	0.424	20.66	21.20	1.132	0.480	/
Ant.1	Level1	DFT-s-OFDM QPSK	ENDC	Left Cheek	0	167300	836.5	1	1	-0.04	0.311	18.58	19.20	1.153	0.359	/
	Level1				0	167300	836.5	50	0	0.19	0.291	18.66	19.20	1.132	0.330	/
	Level1			Left Tilt	0	167300	836.5	1	1	-0.01	0.287	18.58	19.20	1.153	0.331	/
	Level1				0	167300	836.5	50	0	0.05	0.272	18.66	19.20	1.132	0.308	/
	Level1			Right Cheek	0	167300	836.5	1	1	-0.01	0.413	18.58	19.20	1.153	0.476	/
	Level1				0	167300	836.5	50	0	0.14	0.395	18.66	19.20	1.132	0.447	/
	Level1			Right Tilt	0	167300	836.5	1	1	0.18	0.366	18.58	19.20	1.153	0.422	/
	Level1				0	167300	836.5	50	0	-0.13	0.352	18.66	19.20	1.132	0.399	/
Ant.0	Level1	DFT-s-OFDM QPSK	SA	Left Cheek	0	167300	836.5	1	1	0.08	0.090	24.68	25.20	1.127	0.101	/
	Level1				0	167300	836.5	50	0	-0.18	0.084	24.66	25.20	1.132	0.095	/
	Level1			Left Tilt	0	167300	836.5	1	1	-0.07	0.063	24.68	25.20	1.127	0.071	/
	Level1				0	167300	836.5	50	0	-0.05	0.060	24.66	25.20	1.132	0.068	/
	Level1			Right Cheek	0	167300	836.5	1	1	-0.19	0.000	24.68	25.20	1.127	0.000	/
	Level1				0	167300	836.5	50	0	0.15	0.000	24.66	25.20	1.132	0.000	/
	Level1			Right Tilt	0	167300	836.5	1	1	0.11	0.000	24.68	25.20	1.127	0.000	/
	Level1				0	167300	836.5	50	0	-0.11	0.000	24.66	25.20	1.132	0.000	/
Ant.0	Level1	DFT-s-OFDM QPSK	ENDC	Left Cheek	0	167300	836.5	1	1	0.03	0.069	23.74	24.20	1.112	0.077	/
	Level1				0	167300	836.5	50	0	0.08	0.065	23.74	24.20	1.112	0.072	/
	Level1			Left Tilt	0	167300	836.5	1	1	0.02	0.052	23.74	24.20	1.112	0.058	/
	Level1				0	167300	836.5	50	0	-0.01	0.047	23.74	24.20	1.112	0.052	/
	Level1			Right Cheek	0	167300	836.5	1	1	-0.13	0.051	23.74	24.20	1.112	0.057	/
	Level1				0	167300	836.5	50	0	-0.06	0.048	23.74	24.20	1.112	0.053	/
	Level1			Right Tilt	0	167300	836.5	1	1	0.01	0.000	23.74	24.20	1.112	0.000	/
	Level1				0	167300	836.5	50	0	0.02	0.000	23.74	24.20	1.112	0.000	/
Body-worn Accessory																
Ant.1	Level2	DFT-s-OFDM QPSK	SA	Front Side	15	166800	834	1	1	0.19	0.155	24.66	25.20	1.132	0.176	/
	Level2				15	166800	834	50	0	0.02	0.141	24.66	25.20	1.132	0.160	/
	Level2			Back Side	15	166800	834	1	1	-0.06	0.231	24.66	25.20	1.132	**0.262**	44#
	Level2				15	166800	834	50	0	0.07	0.225	24.66	25.20	1.132	0.255	/
Ant.1	Level2		ENDC	Front Side	15	166800	834	1	1	-0.16	0.113	23.88	24.20	1.076	0.122	/
	Level2				15	166800	834	50	0	-0.04	0.106	23.77	24.20	1.104	0.117	/

	Level2	DFT-s-OFDM QPSK		Back Side	15	166800	834	1	1	-0.09	0.192	23.88	24.20	1.076	0.207	/
	Level2				15	166800	834	50	0	-0.08	0.184	23.77	24.20	1.104	0.203	/
Ant.0	Level2	DFT-s-OFDM QPSK	SA	Front Side	15	167800	839	1	1	0.17	0.054	24.68	25.20	1.127	0.061	/
	Level2				15	167800	839	50	0	-0.04	0.049	24.66	25.20	1.132	0.055	/
	Level2			Back Side	15	167800	839	1	1	0.04	0.123	24.68	25.20	1.127	0.139	/
	Level2				15	167800	839	50	0	0.04	0.115	24.66	25.20	1.132	0.130	/
Ant.0	Level2	DFT-s-OFDM QPSK	ENDC	Front Side	15	167800	839	1	1	-0.01	0.041	23.74	24.20	1.112	0.046	/
	Level2				15	167800	839	50	0	0.01	0.039	23.74	24.20	1.112	0.043	/
	Level2			Back Side	15	167800	839	1	1	-0.08	0.095	23.74	24.20	1.112	0.106	/
	Level2				15	167800	839	50	0	0.14	0.093	23.74	24.20	1.112	0.103	/
Hotspot																
Ant.1	Level2	DFT-s-OFDM QPSK	SA	Front Side	10	166800	834	1	1	0.18	0.270	24.66	25.20	1.132	0.306	/
	Level2				10	166800	834	50	0	-0.05	0.267	24.66	25.20	1.132	0.302	/
	Level2			Back Side	10	166800	834	1	1	-0.14	0.339	24.66	25.20	1.132	**0.384**	45#
	Level2				10	166800	834	50	0	0.10	0.328	24.66	25.20	1.132	0.371	/
	Level2			Right Edge	10	166800	834	1	1	0.11	0.127	24.66	25.20	1.132	0.144	/
	Level2				10	166800	834	50	0	0.05	0.119	24.66	25.20	1.132	0.135	/
	Level2			Top Edge	10	166800	834	1	1	0.09	0.252	24.66	25.20	1.132	0.285	/
	Level2				10	166800	834	50	0	0.01	0.253	24.66	25.20	1.132	0.286	/
Ant.1	Level2	DFT-s-OFDM QPSK	ENDC	Front Side	10	166800	834	1	1	0.00	0.204	23.88	24.20	1.076	0.220	/
	Level2				10	166800	834	50	0	0.08	0.191	23.77	24.20	1.104	0.211	/
	Level2			Back Side	10	166800	834	1	1	0.16	0.275	23.88	24.20	1.076	0.296	/
	Level2				10	166800	834	50	0	-0.10	0.263	23.77	24.20	1.104	0.290	/
	Level2			Right Edge	10	166800	834	1	1	-0.18	0.105	23.88	24.20	1.076	0.113	/
	Level2				10	166800	834	50	0	-0.03	0.093	23.77	24.20	1.104	0.103	/
	Level2			Top Edge	10	166800	834	1	1	0.11	0.211	23.88	24.20	1.076	0.227	/
	Level2				10	166800	834	50	0	-0.08	0.200	23.77	24.20	1.104	0.221	/
Ant.0	Level2	DFT-s-OFDM QPSK	SA	Front Side	10	167800	839	1	1	0.11	0.139	24.68	25.20	1.127	0.157	/
	Level2				10	167800	839	50	0	0.12	0.116	24.66	25.20	1.132	0.131	/
	Level2			Back Side	10	167800	839	1	1	-0.01	0.307	24.68	25.20	1.127	0.346	/
	Level2				10	167800	839	50	0	-0.12	0.283	24.66	25.20	1.132	0.320	/
	Level2			Left Edge	10	167800	839	1	1	-0.17	0.000	24.68	25.20	1.127	0.000	/
	Level2				10	167800	839	50	0	-0.12	0.000	24.66	25.20	1.132	0.000	/
	Level2			Right Edge	10	167800	839	1	1	-0.08	0.122	24.68	25.20	1.127	0.138	/
	Level2				10	167800	839	50	0	0.14	0.120	24.66	25.20	1.132	0.136	/
	Level2			Bottom Edge	10	167800	839	1	1	0.14	0.255	24.68	25.20	1.127	0.287	/
	Level2				10	167800	839	50	0	-0.19	0.236	24.66	25.20	1.132	0.267	/
Ant.0	Level2	DFT-s-OFDM QPSK	ENDC	Front Side	10	167800	839	1	1	0.18	0.105	23.74	24.20	1.112	0.117	/
	Level2				10	167800	839	50	0	0.02	0.098	23.74	24.20	1.112	0.109	/
	Level2			Back Side	10	167800	839	1	1	-0.12	0.223	23.74	24.20	1.112	0.248	/
	Level2				10	167800	839	50	0	-0.06	0.200	23.74	24.20	1.112	0.222	/
	Level2			Left Edge	10	167800	839	1	1	0.01	0.000	23.74	24.20	1.112	0.000	/
	Level2				10	167800	839	50	0	-0.13	0.000	23.74	24.20	1.112	0.000	/
	Level2			Right Edge	10	167800	839	1	1	0.14	0.096	23.74	24.20	1.112	0.107	/

	Level2				10	167800	839	50	0	0.13	0.094	23.74	24.20	1.112	0.105	/
	Level2			Bottom Edge	10	167800	839	1	1	-0.13	0.195	23.74	24.20	1.112	0.217	/
	Level2				10	167800	839	50	0	-0.14	0.173	23.74	24.20	1.112	0.192	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.19 n7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	DFT-s-OFDM QPSK	SA& ENDC	Left Cheek	0	507000	2535	1	1	-0.10	0.165	15.74	16.70	1.247	0.206	/
	Level1				0	507000	2535	50	0	0.02	0.161	15.68	16.70	1.265	0.204	/
	Level1			Left Tilt	0	507000	2535	1	1	0.12	0.211	15.74	16.70	1.247	0.263	/
	Level1				0	507000	2535	50	0	-0.12	0.192	15.68	16.70	1.265	0.243	/
	Level1			Right Cheek	0	507000	2535	1	1	0.17	0.395	15.74	16.70	1.247	0.493	/
	Level1				0	507000	2535	50	0	0.08	0.404	15.68	16.70	1.265	0.511	/
	Level1			Right Tilt	0	507000	2535	1	1	-0.14	0.450	15.74	16.70	1.247	**0.561**	46#
	Level1				0	507000	2535	50	0	-0.14	0.443	15.68	16.70	1.265	0.560	/
Ant.0	Level1	DFT-s-OFDM QPSK	SA& ENDC	Left Cheek	0	502000	2510	1	1	-0.13	0.107	23.26	24.20	1.242	0.133	/
	Level1				0	502000	2510	50	0	-0.10	0.099	23.21	24.20	1.256	0.124	/
	Level1			Left Tilt	0	502000	2510	1	1	-0.10	0.068	23.26	24.20	1.242	0.084	/
	Level1				0	502000	2510	50	0	0.13	0.065	23.21	24.20	1.256	0.082	/
	Level1			Right Cheek	0	502000	2510	1	1	0.19	0.206	23.26	24.20	1.242	0.256	/
	Level1				0	502000	2510	50	0	0.00	0.191	23.21	24.20	1.256	0.240	/
	Level1			Right Tilt	0	502000	2510	1	1	-0.06	0.072	23.26	24.20	1.242	0.089	/
	Level1				0	502000	2510	50	0	-0.09	0.069	23.21	24.20	1.256	0.087	/
Ant.4	Level1	DFT-s-OFDM QPSK	SA	Left Cheek	0	502000	2510	1	1	-0.08	0.171	18.33	19.30	1.250	0.214	/
	Level1				0	502000	2510	50	0	-0.09	0.162	18.34	19.30	1.247	0.202	/
	Level1			Left Tilt	0	502000	2510	1	1	-0.13	0.112	18.33	19.30	1.250	0.140	/
	Level1				0	502000	2510	50	0	-0.06	0.108	18.34	19.30	1.247	0.135	/
	Level1			Right Cheek	0	502000	2510	1	1	0.01	0.398	18.33	19.30	1.250	0.498	/
	Level1				0	502000	2510	50	0	-0.02	0.385	18.34	19.30	1.247	0.480	/
	Level1			Right Tilt	0	502000	2510	1	1	-0.07	0.161	18.33	19.30	1.250	0.201	/
	Level1				0	502000	2510	50	0	0.17	0.154	18.34	19.30	1.247	0.192	/
Ant.4	Level1	DFT-s-OFDM QPSK	ENDC	Left Cheek	0	502000	2510	1	1	-0.08	0.171	18.33	19.20	1.222	0.209	/
	Level1				0	502000	2510	50	0	-0.09	0.162	18.34	19.20	1.219	0.197	/
	Level1			Left Tilt	0	502000	2510	1	1	-0.13	0.112	18.33	19.20	1.222	0.137	/
	Level1				0	502000	2510	50	0	-0.06	0.108	18.34	19.20	1.219	0.132	/
	Level1			Right Cheek	0	502000	2510	1	1	0.01	0.398	18.33	19.20	1.222	0.486	/
	Level1				0	502000	2510	50	0	-0.02	0.385	18.34	19.20	1.219	0.469	/
	Level1			Right Tilt	0	502000	2510	1	1	-0.07	0.161	18.33	19.20	1.222	0.197	/
	Level1				0	502000	2510	50	0	0.17	0.154	18.34	19.20	1.219	0.188	/
Body-worn Accessory																
Ant.1	Level2	DFT-s-OFDM QPSK	SA& ENDC	Front Side	15	507000	2535	1	1	-0.16	0.053	17.72	18.70	1.253	0.066	/
	Level2				15	507000	2535	50	0	-0.15	0.049	17.63	18.70	1.279	0.063	/
	Level2			Back Side	15	507000	2535	1	1	0.06	0.121	17.72	18.70	1.253	0.152	/
	Level2				15	507000	2535	50	0	0.16	0.112	17.63	18.70	1.279	0.143	/
Ant.0	Level2		SA& ENDC	Front Side	15	502000	2510	1	1	0.07	0.091	20.75	21.70	1.245	0.113	/
	Level2				15	502000	2510	50	0	0.07	0.095	20.66	21.70	1.271	0.121	/

	Level2	DFT-s-OFDM QPSK		Back Side	15	502000	2510	1	1	0.04	0.132	20.75	21.70	1.245	0.164	/
	Level2				15	502000	2510	50	0	0.17	0.125	20.66	21.70	1.271	0.159	/
Ant.4	Level2	DFT-s-OFDM QPSK	SA	Front Side	15	507000	2535	1	1	-0.11	0.054	17.81	18.80	1.256	0.068	/
	Level2				15	507000	2535	50	0	0.06	0.048	17.76	18.80	1.271	0.061	/
	Level2			Back Side	15	507000	2535	1	1	0.12	0.173	17.81	18.80	1.256	**0.217**	47#
	Level2				15	507000	2535	50	0	0.12	0.165	17.76	18.80	1.271	0.210	/
Ant.4	Level2	DFT-s-OFDM QPSK	ENDC	Front Side	15	507000	2535	1	1	-0.11	0.054	17.81	18.70	1.227	0.066	/
	Level2				15	507000	2535	50	0	0.06	0.048	17.76	18.70	1.242	0.060	/
	Level2			Back Side	15	507000	2535	1	1	0.12	0.173	17.81	18.70	1.227	0.212	/
	Level2				15	507000	2535	50	0	0.12	0.165	17.76	18.70	1.242	0.205	/
Hotspot																
Ant.1	Level2	DFT-s-OFDM QPSK	SA& ENDC	Front Side	10	507000	2535	1	1	-0.02	0.131	17.72	18.70	1.253	0.164	/
	Level2				10	507000	2535	50	0	0.04	0.144	17.63	18.70	1.279	0.184	/
	Level2			Back Side	10	507000	2535	1	1	-0.11	0.312	17.72	18.70	1.253	0.391	/
	Level2				10	507000	2535	50	0	-0.19	0.295	17.63	18.70	1.279	0.377	/
	Level2			Right Edge	10	507000	2535	1	1	0.05	0.112	17.72	18.70	1.253	0.140	/
	Level2				10	507000	2535	50	0	-0.10	0.124	17.63	18.70	1.279	0.159	/
	Level2			Top Edge	10	507000	2535	1	1	0.13	0.298	17.72	18.70	1.253	0.373	/
	Level2				10	507000	2535	50	0	0.01	0.295	17.63	18.70	1.279	0.377	/
Ant.0	Level2	DFT-s-OFDM QPSK	SA& ENDC	Front Side	10	502000	2510	1	1	0.01	0.141	20.75	21.70	1.245	0.175	/
	Level2				10	512000	2560	50	0	-0.02	0.158	20.66	21.70	1.271	0.201	/
	Level2			Back Side	10	502000	2510	1	1	-0.10	0.232	20.75	21.70	1.245	0.289	/
	Level2				10	512000	2560	50	0	0.11	0.245	20.66	21.70	1.271	0.311	/
	Level2			Left Edge	10	502000	2510	1	1	0.03	0.123	20.75	21.70	1.245	0.153	/
	Level2				10	512000	2560	50	0	-0.16	0.141	20.66	21.70	1.271	0.179	/
	Level2			Right Edge	10	502000	2510	1	1	0.08	0.033	20.75	21.70	1.245	0.041	/
	Level2				10	512000	2560	50	0	-0.03	0.025	20.66	21.70	1.271	0.032	/
	Level2			Bottom Edge	10	502000	2510	1	1	0.06	0.181	20.75	21.70	1.245	0.225	/
	Level2				10	512000	2560	50	0	-0.01	0.165	20.66	21.70	1.271	0.210	/
Ant.4	Level2	DFT-s-OFDM QPSK	SA	Front Side	10	507000	2535	1	1	-0.15	0.074	17.81	18.80	1.256	0.093	/
	Level2				10	507000	2535	50	0	0.04	0.073	17.76	18.80	1.271	0.093	/
	Level2			Back Side	10	507000	2535	1	1	-0.16	0.404	17.81	18.80	1.256	**0.507**	48#
	Level2				10	507000	2535	50	0	0.14	0.365	17.76	18.80	1.271	0.464	/
	Level2			Right Edge	10	507000	2535	1	1	-0.15	0.202	17.81	18.80	1.256	0.254	/
	Level2				10	507000	2535	50	0	-0.11	0.197	17.76	18.80	1.271	0.250	/
	Level2			Top Edge	10	507000	2535	1	1	-0.19	0.112	17.81	18.80	1.256	0.141	/
	Level2				10	507000	2535	50	0	0.02	0.105	17.76	18.80	1.271	0.133	/
Ant.4	Level2	DFT-s-OFDM QPSK	ENDC	Front Side	10	507000	2535	1	1	-0.15	0.074	17.81	18.70	1.227	0.091	/
	Level2				10	507000	2535	50	0	0.04	0.073	17.76	18.70	1.242	0.091	/
	Level2			Back Side	10	507000	2535	1	1	-0.16	0.404	17.81	18.70	1.227	0.496	/
	Level2				10	507000	2535	50	0	0.14	0.365	17.76	18.70	1.242	0.453	/
	Level2			Right Edge	10	507000	2535	1	1	-0.15	0.202	17.81	18.70	1.227	0.248	/
	Level2				10	507000	2535	50	0	-0.11	0.197	17.76	18.70	1.242	0.245	/
	Level2			Top Edge	10	507000	2535	1	1	-0.19	0.112	17.81	18.70	1.227	0.137	/

	Level2				10	507000	2535	50	0	0.02	0.105	17.76	18.70	1.242	0.130	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.20 n38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	DFT-s-OFDM QPSK	SA	Left Cheek	0	519000	2595	1	1	-0.01	0.123	15.22	16.20	1.253	0.154	/
	Level1				0	519000	2595	50	0	-0.07	0.115	15.15	16.20	1.274	0.146	/
	Level1			Left Tilt	0	519000	2595	1	1	0.13	0.171	15.22	16.20	1.253	0.214	/
	Level1				0	519000	2595	50	0	-0.02	0.165	15.15	16.20	1.274	0.210	/
	Level1			Right Cheek	0	519000	2595	1	1	-0.17	0.402	15.22	16.20	1.253	0.504	/
	Level1				0	519000	2595	50	0	-0.08	0.395	15.15	16.20	1.274	0.503	/
	Level1			Right Tilt	0	519000	2595	1	1	0.18	0.557	15.22	16.20	1.253	0.698	/
	Level1				0	519000	2595	50	0	-0.11	0.537	15.15	16.20	1.274	0.684	/
Ant.0	Level1	DFT-s-OFDM QPSK	SA	Left Cheek	0	520000	2600	1	1	-0.01	0.192	23.18	24.20	1.265	0.243	/
	Level1				0	520000	2600	50	0	0.08	0.191	23.10	24.20	1.288	0.246	/
	Level1			Left Tilt	0	520000	2600	1	1	-0.01	0.120	23.18	24.20	1.265	0.152	/
	Level1				0	520000	2600	50	0	-0.04	0.112	23.10	24.20	1.288	0.144	/
	Level1			Right Cheek	0	520000	2600	1	1	0.16	0.214	23.18	24.20	1.265	0.271	/
	Level1				0	520000	2600	50	0	0.18	0.208	23.10	24.20	1.288	0.268	/
	Level1			Right Tilt	0	520000	2600	1	1	0.10	0.098	23.18	24.20	1.265	0.124	/
	Level1				0	520000	2600	50	0	0.06	0.096	23.10	24.20	1.288	0.124	/
Ant.4	Level1	DFT-s-OFDM QPSK	SA	Left Cheek	0	520000	2600	1	1	-0.06	0.313	20.24	21.30	1.276	0.400	/
	Level1				0	520000	2600	50	0	-0.12	0.322	20.24	21.30	1.276	0.411	/
	Level1			Left Tilt	0	520000	2600	1	1	-0.15	0.195	20.24	21.30	1.276	0.249	/
	Level1				0	520000	2600	50	0	0.15	0.185	20.24	21.30	1.276	0.236	/
	Level1			Right Cheek	0	520000	2600	1	1	-0.03	0.614	20.24	21.30	1.276	**0.784**	49#
	Level1				0	520000	2600	50	0	-0.16	0.606	20.24	21.30	1.276	0.774	/
	Level1			Right Tilt	0	520000	2600	1	1	0.15	0.247	20.24	21.30	1.276	0.315	/
	Level1				0	520000	2600	50	0	0.14	0.233	20.24	21.30	1.276	0.297	/
Body-worn Accessory																
Ant.1	Level2	DFT-s-OFDM QPSK	SA	Front Side	15	519000	2595	1	1	0.08	0.085	18.71	19.70	1.256	0.107	/
	Level2				15	519000	2595	50	0	0.14	0.077	18.74	19.70	1.247	0.096	/
	Level2			Back Side	15	519000	2595	1	1	-0.10	0.156	18.71	19.70	1.256	0.196	/
	Level2				15	519000	2595	50	0	0.19	0.143	18.74	19.70	1.247	0.178	/
Ant.0	Level2	DFT-s-OFDM QPSK	SA	Front Side	15	520000	2600	1	1	-0.11	0.311	23.18	24.20	1.265	0.393	/
	Level2				15	520000	2600	50	0	-0.14	0.306	23.10	24.20	1.288	0.394	/
	Level2			Back Side	15	520000	2600	1	1	-0.16	0.367	23.18	24.20	1.265	**0.464**	50#
	Level2				15	520000	2600	50	0	0.15	0.358	23.10	24.20	1.288	0.461	/
Ant.4	Level2	DFT-s-OFDM QPSK	SA	Front Side	15	520000	2600	1	1	-0.17	0.141	20.24	21.30	1.276	0.180	/
	Level2				15	520000	2600	50	0	-0.05	0.132	20.24	21.30	1.276	0.168	/
	Level2			Back Side	15	520000	2600	1	1	-0.02	0.333	20.24	21.30	1.276	0.425	/
	Level2				15	520000	2600	50	0	0.11	0.312	20.24	21.30	1.276	0.398	/
Hotspot																
Ant.1	Level2		SA	Front Side	10	519000	2595	1	1	0.19	0.156	18.71	19.70	1.256	0.196	/

	Level2				10	519000	2595	50	0	0.03	0.143	18.74	19.70	1.247	0.178	/
	Level2			Back Side	10	519000	2595	1	1	0.08	0.323	18.71	19.70	1.256	0.406	/
	Level2	DFT-s-			10	519000	2595	50	0	-0.04	0.315	18.74	19.70	1.247	0.393	/
	Level2	OFDM		Right Edge	10	519000	2595	1	1	-0.04	0.135	18.71	19.70	1.256	0.170	/
	Level2	QPSK			10	519000	2595	50	0	0.08	0.122	18.74	19.70	1.247	0.152	/
	Level2			Top Edge	10	519000	2595	1	1	0.16	0.475	18.71	19.70	1.256	0.597	/
	Level2				10	519000	2595	50	0	-0.09	0.467	18.74	19.70	1.247	0.583	/
Ant.0	Level2			Front Side	10	520000	2600	1	1	-0.14	0.350	23.18	24.20	1.265	0.443	/
	Level2				10	520000	2600	50	0	0.01	0.328	23.10	24.20	1.288	0.423	/
	Level2			Back Side	10	520000	2600	1	1	-0.12	0.566	23.18	24.20	1.265	0.716	/
	Level2				10	520000	2600	50	0	0.15	0.550	23.10	24.20	1.288	0.709	/
	Level2	DFT-s-		Left Edge	10	520000	2600	1	1	-0.07	0.218	23.18	24.20	1.265	0.276	/
	Level2	OFDM	SA		10	520000	2600	50	0	-0.14	0.204	23.10	24.20	1.288	0.263	/
	Level2	QPSK		Right Edge	10	520000	2600	1	1	-0.04	0.000	23.18	24.20	1.265	0.000	/
	Level2				10	520000	2600	50	0	0.17	0.000	23.10	24.20	1.288	0.000	/
	Level2			Bottom Edge	10	520000	2600	1	1	0.10	0.355	23.18	24.20	1.265	0.449	/
	Level2				10	520000	2600	50	0	0.13	0.338	23.10	24.20	1.288	0.435	/
Ant.4	Level2			Front Side	10	520000	2600	1	1	0.03	0.165	20.24	21.30	1.276	0.211	/
	Level2				10	520000	2600	50	0	0.12	0.159	20.24	21.30	1.276	0.203	/
	Level2			Back Side	10	520000	2600	1	1	-0.02	0.681	20.24	21.30	1.276	**0.869**	51#
	Level2				10	518000	2590	1	1	0.05	0.656	20.18	21.30	1.294	0.849	/
	Level2				10	519000	2595	1	1	0.11	0.665	20.23	21.30	1.279	0.851	/
	Level2	DFT-s-			10	520000	2600	50	0	-0.14	0.630	20.24	21.30	1.276	0.804	/
	Level2	OFDM	SA		10	518000	2590	50	0	-0.11	0.611	20.17	21.30	1.297	0.793	/
	Level2	QPSK			10	519000	2595	50	0	-0.16	0.606	20.10	21.30	1.318	0.799	/
	Level2				10	520000	2600	100	1	-0.02	0.598	20.03	21.30	1.340	0.801	/
	Level2			Right Edge	10	516000	2595	1	1	0.07	0.345	20.24	21.30	1.276	0.440	/
	Level2				10	519000	2595	50	0	-0.06	0.330	20.24	21.30	1.276	0.421	/
	Level2			Top Edge	10	516000	2580	1	1	0.03	0.056	20.24	21.30	1.276	0.071	/
	Level2				10	519000	2595	50	0	0.11	0.058	20.24	21.30	1.276	0.074	/

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

10.21 n41 (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	DFT-s-OFDM QPSK	SA& EDNC	Left Cheek	0	518598	2592.99	1	1	-0.14	0.141	15.23	16.20	1.250	0.176	/
	Level1				0	518598	2592.99	135	0	0.00	0.133	15.24	16.20	1.247	0.166	/
	Level1			Left Tilt	0	518598	2592.99	1	1	-0.18	0.203	15.23	16.20	1.250	0.254	/
	Level1				0	518598	2592.99	135	0	-0.15	0.195	15.24	16.20	1.247	0.243	/
	Level1			Right Cheek	0	518598	2592.99	1	1	0.02	0.388	15.23	16.20	1.250	0.485	/
	Level1				0	518598	2592.99	135	0	-0.11	0.385	15.24	16.20	1.247	0.480	/
	Level1			Right Tilt	0	518598	2592.99	1	1	-0.19	0.467	15.23	16.20	1.250	0.584	/
	Level1				0	518598	2592.99	135	0	-0.05	0.450	15.24	16.20	1.247	0.561	/
Ant.0	Level1	DFT-s-OFDM QPSK	SA& ENDC	Left Cheek	0	518598	2592.99	1	1	0.17	0.149	23.34	24.20	1.219	0.182	/
	Level1				0	518598	2592.99	135	0	-0.10	0.147	23.23	24.20	1.250	0.184	/
	Level1			Left Tilt	0	518598	2592.99	1	1	-0.11	0.091	23.34	24.20	1.219	0.111	/
	Level1				0	518598	2592.99	135	0	-0.10	0.088	23.23	24.20	1.250	0.110	/
	Level1			Right Cheek	0	518598	2592.99	1	1	-0.16	0.241	23.34	24.20	1.219	0.294	/
	Level1				0	518598	2592.99	135	0	-0.16	0.219	23.23	24.20	1.250	0.274	/
	Level1			Right Tilt	0	518598	2592.99	1	1	0.11	0.103	23.34	24.20	1.219	0.126	/
	Level1				0	518598	2592.99	135	0	-0.10	0.100	23.23	24.20	1.250	0.125	/
Ant.4	Level1	DFT-s-OFDM QPSK	SA	Left Cheek	0	518598	2592.99	1	1	-0.19	0.232	20.31	21.30	1.256	0.291	/
	Level1				0	518598	2592.99	135	0	-0.12	0.225	20.26	21.30	1.271	0.286	/
	Level1			Left Tilt	0	518598	2592.99	1	1	0.03	0.149	20.31	21.30	1.256	0.187	/
	Level1				0	518598	2592.99	135	0	0.02	0.135	20.26	21.30	1.271	0.172	/
	Level1			Right Cheek	0	518598	2592.99	1	1	-0.01	0.632	20.31	21.30	1.256	**0.794**	52#
	Level1				0	518598	2592.99	135	0	0.09	0.602	20.26	21.30	1.271	0.765	/
	Level1			Right Tilt	0	518598	2592.99	1	1	0.02	0.211	20.31	21.30	1.256	0.265	/
	Level1				0	518598	2592.99	135	0	-0.12	0.196	20.26	21.30	1.271	0.249	/
Ant.4	Level1	DFT-s-OFDM QPSK	ENDC	Left Cheek	0	518598	2592.99	1	1	-0.17	0.134	18.88	19.70	1.208	0.162	/
	Level1				0	518598	2592.99	135	0	-0.06	0.135	18.72	19.70	1.253	0.169	/
	Level1			Left Tilt	0	518598	2592.99	1	1	0.04	0.102	18.88	19.70	1.208	0.123	/
	Level1				0	518598	2592.99	135	0	-0.19	0.093	18.72	19.70	1.253	0.117	/
	Level1			Right Cheek	0	518598	2592.99	1	1	-0.11	0.456	18.88	19.70	1.208	0.551	/
	Level1				0	518598	2592.99	135	0	-0.14	0.433	18.72	19.70	1.253	0.543	/
	Level1			Right Tilt	0	518598	2592.99	1	1	0.00	0.153	18.88	19.70	1.208	0.185	/
	Level1				0	518598	2592.99	135	0	-0.14	0.146	18.72	19.70	1.253	0.183	/
Body-worn Accessory																
Ant.1	Level2	DFT-s-OFDM QPSK	SA& EDNC	Front Side	15	518598	2592.99	1	1	0.05	0.065	18.26	19.20	1.242	0.081	/
	Level2				15	518598	2592.99	50	0	0.15	0.073	18.27	19.20	1.239	0.090	/
	Level2			Back Side	15	518598	2592.99	1	1	0.09	0.141	18.26	19.20	1.242	0.175	/
	Level2				15	518598	2592.99	50	0	0.12	0.142	18.27	19.20	1.239	0.176	/
Ant.0	Level2	DFT-s-OFDM	SA& EDNC	Front Side	15	518598	2592.99	1	1	0.11	0.201	23.34	24.20	1.219	0.245	/
	Level2				15	518598	2592.99	50	0	0.11	0.211	23.23	24.20	1.250	0.264	/

	Level2	QPSK		Back Side	15	518598	2592.99	1	1	0.02	0.279	23.34	24.20	1.219	**0.340**	53#
	Level2				15	518598	2592.99	50	0	0.13	0.265	23.23	24.20	1.250	0.331	/
Ant.4	Level2	DFT-s-OFDM QPSK	SA	Front Side	15	518598	2592.99	1	1	-0.04	0.078	19.74	20.80	1.276	0.100	/
	Level2				15	518598	2592.99	135	0	0.18	0.085	19.72	20.80	1.282	0.109	/
	Level2			Back Side	15	518598	2592.99	1	1	-0.19	0.244	19.74	20.80	1.276	0.311	/
	Level2				15	518598	2592.99	135	0	0.06	0.238	19.72	20.80	1.282	0.305	/
Ant.4	Level2	DFT-s-OFDM QPSK	ENDC	Front Side	15	518598	2592.99	1	1	-0.09	0.068	19.35	20.20	1.216	0.083	/
	Level2				15	518598	2592.99	135	0	-0.16	0.063	19.26	20.20	1.242	0.078	/
	Level2			Back Side	15	518598	2592.99	1	1	-0.17	0.223	19.35	20.20	1.216	0.271	/
	Level2				15	518598	2592.99	135	0	0.13	0.230	19.26	20.20	1.242	0.286	/
Hotspot																
Ant.1	Level2	DFT-s-OFDM QPSK	SA&EN DC	Front Side	10	518598	2592.99	1	1	0.08	0.141	18.26	19.20	1.242	0.175	/
	Level2				10	518598	2592.99	135	0	0.19	0.132	18.27	19.20	1.239	0.164	/
	Level2			Back Side	10	518598	2592.99	1	1	0.09	0.323	18.26	19.20	1.242	0.401	/
	Level2				10	518598	2592.99	135	0	0.12	0.315	18.27	19.20	1.239	0.390	/
	Level2			Right Edge	10	518598	2592.99	1	1	0.09	0.121	18.26	19.20	1.242	0.150	/
	Level2				10	518598	2592.99	135	0	0.09	0.109	18.27	19.20	1.239	0.135	/
	Level2			Top Edge	10	518598	2592.99	1	1	-0.17	0.357	18.26	19.20	1.242	0.443	/
	Level2				10	518598	2592.99	135	0	0.17	0.323	18.27	19.20	1.239	0.400	/
Ant.0	Level2	DFT-s-OFDM QPSK	SA&EN DC	Front Side	10	518598	2592.99	1	1	0.15	0.357	23.34	24.20	1.219	0.435	/
	Level2				10	518598	2592.99	135	0	0.14	0.351	23.23	24.20	1.250	0.439	/
	Level2			Back Side	10	518598	2592.99	1	1	-0.12	0.481	23.34	24.20	1.219	0.586	/
	Level2				10	518598	2592.99	135	0	0.00	0.464	23.23	24.20	1.250	0.580	/
	Level2			Left Edge	10	518598	2592.99	1	1	-0.18	0.241	23.34	24.20	1.219	0.294	/
	Level2				10	518598	2592.99	135	0	0.18	0.229	23.23	24.20	1.250	0.286	/
	Level2			Right Edge	10	518598	2592.99	1	1	-0.17	0.000	23.34	24.20	1.219	0.000	/
	Level2				10	518598	2592.99	135	0	-0.04	0.000	23.23	24.20	1.250	0.000	/
	Level2			Bottom Edge	10	518598	2592.99	1	1	0.16	0.329	23.34	24.20	1.219	0.401	/
	Level2				10	518598	2592.99	135	0	-0.01	0.304	23.23	24.20	1.250	0.380	/
Ant.4	Level2	DFT-s-OFDM QPSK	SA	Front Side	10	518598	2592.99	1	1	-0.07	0.162	19.74	20.80	1.276	0.207	/
	Level2				10	518598	2592.99	135	0	0.13	0.153	19.72	20.80	1.282	0.196	/
	Level2			Back Side	10	518598	2592.99	1	1	0.12	0.622	19.74	20.80	1.276	**0.794**	54#
	Level2				10	518598	2592.99	135	0	-0.11	0.589	19.72	20.80	1.282	0.755	/
	Level2			Right Edge	10	518598	2592.99	1	1	0.10	0.414	19.74	20.80	1.276	0.528	/
	Level2				10	518598	2592.99	135	0	0.18	0.395	19.72	20.80	1.282	0.507	/
	Level2			Top Edge	10	518598	2592.99	1	1	0.18	0.195	19.74	20.80	1.276	0.249	/
	Level2				10	518598	2592.99	135	0	0.17	0.182	19.72	20.80	1.282	0.233	/
Ant.4	Level2	DFT-s-OFDM QPSK	ENDC	Front Side	10	518598	2592.99	1	1	-0.18	0.151	19.35	20.20	1.216	0.184	/
	Level2				10	518598	2592.99	135	0	0.08	0.142	19.26	20.20	1.242	0.176	/
	Level2			Back Side	10	518598	2592.99	1	1	-0.03	0.534	19.35	20.20	1.216	0.649	/
	Level2				10	518598	2592.99	135	0	0.06	0.515	19.26	20.20	1.242	0.639	/
	Level2			Right Edge	10	518598	2592.99	1	1	-0.04	0.355	19.35	20.20	1.216	0.432	/
	Level2				10	518598	2592.99	135	0	0.04	0.348	19.26	20.20	1.242	0.432	/
	Level2			Top Edge	10	518598	2592.99	1	1	0.06	0.169	19.35	20.20	1.216	0.206	/
	Level2				10	518598	2592.99	135	0	-0.03	0.155	19.26	20.20	1.242	0.192	/

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

10.22 WIFI 2.4GHz

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.7	Level1	802.11 b	Left Cheek	0	6	2437	0.00	0.905	98.07	1.020	15.89	17.00	1.291	**1.192**	55#
	Level1			0	1	2412	0.09	0.774	98.07	1.020	15.46	17.00	1.426	1.125	/
	Level1			0	11	2462	0.12	0.788	98.07	1.020	15.33	17.00	1.469	1.180	/
	Level1		Left Tilt	0	6	2437	0.14	0.812	98.07	1.020	15.89	17.00	1.291	1.069	/
	Level1			0	1	2412	-0.18	0.745	98.07	1.020	15.46	17.00	1.426	1.083	/
	Level1			0	11	2462	0.05	0.736	98.07	1.020	15.33	17.00	1.469	1.102	/
	Level1		Right Cheek	0	6	2437	-0.07	0.423	98.07	1.020	15.89	17.00	1.291	0.557	/
	Level1		Right Tilt	0	6	2437	-0.12	0.475	98.07	1.020	15.89	17.00	1.291	0.625	/
Ant.7	Level2	802.11 b	Left Cheek	0	6	2437	-0.14	0.545	98.07	1.020	13.41	15.00	1.442	0.801	/
	Level2			0	1	2412	0.08	0.482	98.07	1.020	13.28	15.00	1.486	0.730	/
	Level2			0	11	2462	-0.12	0.492	98.07	1.020	13.37	15.00	1.455	0.730	/
	Level2		Left Tilt	0	6	2437	0.09	0.508	98.07	1.020	13.41	15.00	1.442	0.747	/
	Level2		Right Cheek	0	6	2437	0.00	0.265	98.07	1.020	13.41	15.00	1.442	0.390	/
	Level2		Right Tilt	0	6	2437	-0.19	0.301	98.07	1.020	13.41	15.00	1.442	0.443	/
Body-worn Accessory															
Ant.7	Level3&4	802.11 b	Front Side	15	6	2437	0.02	0.169	98.07	1.020	18.87	20.00	1.297	**0.224**	56#
	Level3&4		Back Side	15	6	2437	0.04	0.156	98.07	1.020	18.87	20.00	1.297	0.206	/
Hotspot															
Ant.7	Level3&4	802.11 b	Front Side	10	6	2437	0.08	0.281	98.07	1.020	18.87	20.00	1.297	0.372	/
	Level3&4		Back Side	10	6	2437	0.10	0.344	98.07	1.020	18.87	20.00	1.297	0.455	/
	Level3&4		Left Edge	10	6	2437	0.16	0.245	98.07	1.020	18.87	20.00	1.297	0.324	/
	Level3&4		Right Edge	10	6	2437	-0.07	0.057	98.07	1.020	18.87	20.00	1.297	0.075	/
	Level3&4		Top Edge	10	6	2437	-0.08	0.363	98.07	1.020	18.87	20.00	1.297	**0.480**	57#
	Level3&4		Bottom Edge	10	6	2437	0.16	0.000	98.07	1.020	18.87	20.00	1.297	0.000	/

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

10.23 WIFI 5GHz

Antenna	Power Reduction	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.7	Level1	5.3G	802.11ac 80	Left Cheek	0	58	5290	0.03	0.086	92.00	1.087	6.77	8.50	1.489	**0.140**	58#
	Level1			Left Tilt	0	58	5290	0.13	0.075	92.00	1.087	6.77	8.50	1.489	0.121	/
	Level1			Right Cheek	0	58	5290	0.01	0.031	92.00	1.087	6.77	8.50	1.489	0.050	/
	Level1			Right Tilt	0	58	5290	0.15	0.035	92.00	1.087	6.77	8.50	1.489	0.057	/
Ant.7	Level2	5.3G	802.11ac 80	Left Cheek	0	58	5290	-0.02	0.056	92.00	1.087	4.93	6.50	1.435	0.087	/
	Level2			Left Tilt	0	58	5290	0.00	0.044	92.00	1.087	4.93	6.50	1.435	0.069	/
	Level2			Right Cheek	0	58	5290	-0.09	0.023	92.00	1.087	4.93	6.50	1.435	0.036	/
	Level2			Right Tilt	0	58	5290	-0.08	0.025	92.00	1.087	4.93	6.50	1.435	0.039	/
Ant.7	Level1	5.6G	802.11ac 80	Left Cheek	0	106	5530	0.09	0.085	92.00	1.087	6.88	8.50	1.452	**0.134**	59#
	Level1			Left Tilt	0	106	5530	0.15	0.081	92.00	1.087	6.88	8.50	1.452	0.128	/
	Level1			Right Cheek	0	106	5530	-0.06	0.029	92.00	1.087	6.88	8.50	1.452	0.046	/
	Level1			Right Tilt	0	106	5530	-0.12	0.031	92.00	1.087	6.88	8.50	1.452	0.049	/
Ant.7	Level2	5.6G	802.11ac 80	Left Cheek	0	106	5530	-0.04	0.052	92.00	1.087	5.02	6.50	1.406	0.079	/
	Level2			Left Tilt	0	106	5530	-0.01	0.049	92.00	1.087	5.02	6.50	1.406	0.075	/
	Level2			Right Cheek	0	106	5530	0.09	0.019	92.00	1.087	5.02	6.50	1.406	0.029	/
	Level2			Right Tilt	0	106	5530	0.06	0.021	92.00	1.087	5.02	6.50	1.406	0.032	/
Ant.7	Level1	5.8G	802.11ac 80	Left Cheek	0	155	5775	0.13	0.099	92.00	1.087	7.72	9.50	1.507	**0.162**	60#
	Level1			Left Tilt	0	155	5775	-0.16	0.095	92.00	1.087	7.72	9.50	1.507	0.156	/
	Level1			Right Cheek	0	155	5775	0.01	0.028	92.00	1.087	7.72	9.50	1.507	0.046	/
	Level1			Right Tilt	0	155	5775	0.08	0.031	92.00	1.087	7.72	9.50	1.507	0.051	/
Ant.7	Level2	5.8G	802.11ac 80	Left Cheek	0	155	5775	0.03	0.065	92.00	1.087	5.98	7.50	1.419	0.100	/
	Level2			Left Tilt	0	155	5775	0.18	0.059	92.00	1.087	5.98	7.50	1.419	0.091	/
	Level2			Right Cheek	0	155	5775	0.14	0.017	92.00	1.087	5.98	7.50	1.419	0.026	/
	Level2			Right Tilt	0	155	5775	-0.17	0.022	92.00	1.087	5.98	7.50	1.419	0.034	/
Body-worn Accessory																
Ant.7	Level3	5.3G	802.11n 40	Front Side	15	54	5270	-0.12	0.221	95.70	1.045	17.92	19.50	1.439	0.332	/
	Level3			Back Side	15	54	5270	0.18	0.365	95.70	1.045	17.92	19.50	1.439	**0.549**	61#
Ant.7	Level4	5.3G	802.11ac 80	Front Side	15	58	5290	0.06	0.105	92.00	1.087	14.93	16.50	1.435	0.164	/
	Level4			Back Side	15	58	5290	0.02	0.191	92.00	1.087	14.93	16.50	1.435	0.298	/
Ant.7	Level3	5.6G	802.11ac 80	Front Side	15	122	5610	0.05	0.227	92.00	1.087	17.90	19.50	1.445	0.357	/
	Level3			Back Side	15	122	5610	0.03	0.449	92.00	1.087	17.90	19.50	1.445	**0.705**	62#
Ant.7	Level4	5.6G	802.11ac 80	Front Side	15	122	5610	-0.12	0.116	92.00	1.087	14.82	16.50	1.472	0.186	/
	Level4			Back Side	15	122	5610	-0.12	0.219	92.00	1.087	14.82	16.50	1.472	0.350	/
Ant.7	Level3	5.8G	802.11ac 80	Front Side	15	155	5775	0.19	0.178	92.00	1.087	17.79	19.50	1.483	0.287	/
	Level3			Back Side	15	155	5775	-0.14	0.282	92.00	1.087	17.79	19.50	1.483	**0.454**	63#
Ant.7	Level4	5.8G	802.11ac 80	Front Side	15	155	5775	-0.12	0.088	92.00	1.087	14.89	16.50	1.449	0.139	/
	Level4			Back Side	15	155	5775	-0.03	0.149	92.00	1.087	14.89	16.50	1.449	0.235	/
Hotspot																
Ant.7	Level4	5.2G	802.11ac	Front Side	10	42	5210	0.17	0.176	92.00	1.087	14.63	16.50	1.538	0.294	/

	Level4		80	Back Side	10	42	5210	0.00	0.292	92.00	1.087	14.63	16.50	1.538	0.488	/
	Level4			Left Edge	10	42	5210	-0.03	0.247	92.00	1.087	14.63	16.50	1.538	0.413	/
	Level4			Right Edge	10	42	5210	-0.07	0.012	92.00	1.087	14.63	16.50	1.538	0.020	/
	Level4			Top Edge	10	42	5210	0.08	0.319	92.00	1.087	14.63	16.50	1.538	**0.533**	64#
	Level4			Bottom Edge	10	42	5210	-0.02	0.005	92.00	1.087	14.63	16.50	1.538	0.008	/
Ant.7	Level4	5.8G	802.11ac 80	Front Side	10	155	5775	0.03	0.141	92.00	1.087	14.89	16.50	1.449	0.222	/
	Level4			Back Side	10	155	5775	-0.11	0.285	92.00	1.087	14.89	16.50	1.449	0.449	/
	Level4			Left Edge	10	155	5775	-0.11	0.316	92.00	1.087	14.89	16.50	1.449	**0.498**	65#
	Level4			Right Edge	10	155	5775	-0.02	0.011	92.00	1.087	14.89	16.50	1.449	0.017	/
	Level4			Top Edge	10	155	5775	0.01	0.275	92.00	1.087	14.89	16.50	1.449	0.433	/
	Level4			Bottom Edge	10	155	5775	0.02	0.003	92.00	1.087	14.89	16.50	1.449	0.005	/

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

Antenna	Power Reduction	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.7	Level3	5.3G	802.11n 40	Front Side	0	54	5270	-0.13	1.270	95.70	1.045	17.92	19.50	1.439	1.909	/
	Level3			Back Side	0	54	5270	-0.10	0.701	95.70	1.045	17.92	19.50	1.439	1.054	/
	Level3			Left Edge	0	54	5270	-0.10	1.060	95.70	1.045	17.92	19.50	1.439	1.594	/
	Level3			Right Edge	0	54	5270	-0.15	0.028	95.70	1.045	17.92	19.50	1.439	0.042	/
	Level3			Top Edge	0	54	5270	-0.16	1.350	95.70	1.045	17.92	19.50	1.439	**2.030**	66#
	Level3				0	62	5310	0.05	0.614	95.70	1.045	14.70	16.50	1.514	0.971	/
	Level3			Bottom Edge	0	54	5270	-0.11	0.028	95.70	1.045	17.92	19.50	1.439	0.042	/
Ant.7	Level4	5.3G	802.11ac 80	Front Side	0	58	5290	0.06	0.643	92.00	1.087	14.93	16.50	1.435	1.003	/
	Level4			Back Side	0	58	5290	0.07	0.339	92.00	1.087	14.93	16.50	1.435	0.529	/
	Level4			Left Edge	0	58	5290	0.10	0.512	92.00	1.087	14.93	16.50	1.435	0.799	/
	Level4			Right Edge	0	58	5290	-0.03	0.015	92.00	1.087	14.93	16.50	1.435	0.023	/
	Level4			Top Edge	0	58	5290	-0.02	0.635	92.00	1.087	14.93	16.50	1.435	0.991	/
	Level4			Bottom Edge	0	58	5290	-0.17	0.011	92.00	1.087	14.93	16.50	1.435	0.017	/
Ant.7	Level3	5.6G	802.11ac 80	Front Side	0	122	5610	0.00	1.120	92.00	1.087	17.90	19.50	1.445	1.760	/
	Level3			Back Side	0	122	5610	-0.15	0.826	92.00	1.087	17.90	19.50	1.445	1.298	/
	Level3			Left Edge	0	122	5610	0.01	1.250	92.00	1.087	17.90	19.50	1.445	1.964	/
	Level3			Right Edge	0	122	5610	0.13	0.030	92.00	1.087	17.90	19.50	1.445	0.047	/
	Level3			Top Edge	0	122	5610	0.10	1.510	92.00	1.087	17.90	19.50	1.445	**2.372**	67#
	Level3				0	106	5530	-0.03	0.672	92.00	1.087	14.24	16.00	1.500	1.095	/
	Level3			Bottom Edge	0	122	5610	0.13	0.021	92.00	1.087	17.90	19.50	1.445	0.033	/
Ant.7	Level4	5.6G	802.11ac 80	Front Side	0	122	5610	-0.07	0.560	92.00	1.087	14.82	16.50	1.472	0.896	/
	Level4			Back Side	0	122	5610	0.00	0.428	92.00	1.087	14.82	16.50	1.472	0.685	/
	Level4			Left Edge	0	122	5610	-0.17	0.651	92.00	1.087	14.82	16.50	1.472	1.042	/
	Level4			Right Edge	0	122	5610	0.04	0.017	92.00	1.087	14.82	16.50	1.472	0.027	/
	Level4			Top Edge	0	122	5610	0.15	0.749	92.00	1.087	14.82	16.50	1.472	1.199	/
	Level4			Bottom Edge	0	122	5610	0.10	0.013	92.00	1.087	14.82	16.50	1.472	0.021	/

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

10.24 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.7	DH5	Left Cheek	0	39	2441	-0.13	0.484	76.34	1.310	14.53	16.00	1.402	**0.889**	68#
			0	0	2402	0.04	0.384	76.34	1.310	14.06	16.00	1.563	0.786	/
			0	78	2480	-0.01	0.412	76.34	1.310	14.24	16.00	1.500	0.809	/
		Left Tilt	0	39	2441	-0.03	0.272	76.34	1.310	14.53	16.00	1.402	0.499	/
		Right Cheek	0	39	2441	-0.19	0.161	76.34	1.310	14.53	16.00	1.402	0.296	/
		Right Tilt	0	39	2441	-0.14	0.190	76.34	1.310	14.53	16.00	1.402	0.349	/
Body-worn Accessory														
Ant.7	DH5	Front Side	15	39	2441	0.16	0.050	76.34	1.310	14.53	16.00	1.402	0.092	/
		Back Side	15	39	2441	-0.13	0.050	76.34	1.310	14.53	16.00	1.402	**0.092**	69#
Ant.7	DH5	Front Side	10	39	2441	0.07	0.048	76.34	1.310	14.53	16.00	1.402	0.088	/
		Back Side	10	39	2441	0.12	0.059	76.34	1.310	14.53	16.00	1.402	0.108	/
		Left Edge	10	39	2441	-0.15	0.044	76.34	1.310	14.53	16.00	1.402	0.081	/
		Right Edge	10	39	2441	0.06	0.000	76.34	1.310	14.53	16.00	1.402	0.000	/
		Top Edge	10	39	2441	-0.03	0.079	76.34	1.310	14.53	16.00	1.402	**0.145**	70#
		Bottom Edge	10	39	2441	-0.06	0.000	76.34	1.310	14.53	16.00	1.402	0.000	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11 SAR Measurement Variability

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

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is >= 0.80 W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20, or when the original or repeated measurement is >= 1.45 W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20, and the original, first or second repeated measurement is >= 1.5 W/kg, perform a third repeated measurement.
5. 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
2412	WIFI 2.4GHz	Head	Left Cheek	0.905	Yes	0.895	1.01
Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required.							

Note: For product specific 10g SAR, the highest measured 10g SAR is 1.841 < 2.0 W/kg, repeated measurement is not required.

12 SIMULTANEOUS TRANSMISSION

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

12.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot	Specific
1	WIFI5G+BT	Yes	Yes	Yes	Yes
2	WWAN+WIFI2.4G	Yes	Yes	Yes	Yes
3	WWAN+BT	Yes	Yes	Yes	Yes
4	WWAN+WIFI5G	Yes	Yes	Yes	Yes
5	WWAN+WIFI2.4G	Yes	Yes	Yes	Yes
6	WWAN+WIFI5G+BT	Yes	Yes	Yes	Yes

Note:

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

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	Power Reduction	Position	Stand alone SAR				SUM SAR	
				1	2	3	4	1+2	1+3+4
				WWAN	2.4G WIFI	5GWIFI	Bluetooth	WWAN+2.4G WIFI (Ant.7)	WWAN+5G WIFI (Ant.7)+BT
					Ant.7	Ant.7	Ant.7		
GSM850	Ant.1	Level1	Left Cheek	0.337	0.801	0.100	0.889	1.138	1.326
		Level1	Left Tilt	0.315	0.747	0.091	0.499	1.062	0.905
		Level1	Right Cheek	0.444	0.390	0.036	0.296	0.834	0.776
		Level1	Right Tilt	0.379	0.443	0.039	0.349	0.822	0.767
GSM850	Ant.0	Level1	Left Cheek	0.368	0.801	0.100	0.889	1.169	1.357
		Level1	Left Tilt	0.179	0.747	0.091	0.499	0.926	0.769
		Level1	Right Cheek	0.229	0.390	0.036	0.296	0.619	0.561
		Level1	Right Tilt	0.134	0.443	0.039	0.349	0.577	0.522
GSM 1900	Ant.1	Level1	Left Cheek	0.253	0.801	0.100	0.889	1.054	1.242
		Level1	Left Tilt	0.305	0.747	0.091	0.499	1.052	0.895
		Level1	Right Cheek	0.370	0.390	0.036	0.296	0.760	0.702
		Level1	Right Tilt	0.460	0.443	0.039	0.349	0.903	0.848
GSM 1900	Ant.0	Level1	Left Cheek	0.096	0.801	0.100	0.889	0.897	1.085
		Level1	Left Tilt	0.057	0.747	0.091	0.499	0.804	0.647
		Level1	Right Cheek	0.062	0.390	0.036	0.296	0.452	0.394
		Level1	Right Tilt	0.061	0.443	0.039	0.349	0.504	0.449
WCDMA B2	Ant.1	Level1	Left Cheek	0.342	0.801	0.100	0.889	1.143	1.331
		Level1	Left Tilt	0.405	0.747	0.091	0.499	1.152	0.995
		Level1	Right Cheek	0.475	0.390	0.036	0.296	0.865	0.807
		Level1	Right Tilt	0.569	0.443	0.039	0.349	1.012	0.957
WCDMA B2	Ant.0	Level1	Left Cheek	0.133	0.801	0.100	0.889	0.934	1.122
		Level1	Left Tilt	0.104	0.747	0.091	0.499	0.851	0.694
		Level1	Right Cheek	0.097	0.390	0.036	0.296	0.487	0.429
		Level1	Right Tilt	0.095	0.443	0.039	0.349	0.538	0.483
WCDMA B4	Ant.1	Level1	Left Cheek	0.333	0.801	0.100	0.889	1.134	1.322
		Level1	Left Tilt	0.405	0.747	0.091	0.499	1.152	0.995
		Level1	Right Cheek	0.490	0.390	0.036	0.296	0.880	0.822
		Level1	Right Tilt	0.576	0.443	0.039	0.349	1.019	0.964
WCDMA B4	Ant.0	Level1	Left Cheek	0.156	0.801	0.100	0.889	0.957	1.145
		Level1	Left Tilt	0.062	0.747	0.091	0.499	0.809	0.652
		Level1	Right Cheek	0.084	0.390	0.036	0.296	0.474	0.416
		Level1	Right Tilt	0.074	0.443	0.039	0.349	0.517	0.462
WCDMA B5	Ant.1	Level1	Left Cheek	0.465	0.801	0.100	0.889	1.266	1.454
		Level1	Left Tilt	0.402	0.747	0.091	0.499	1.149	0.992
		Level1	Right Cheek	0.654	0.390	0.036	0.296	1.044	0.986
		Level1	Right Tilt	0.529	0.443	0.039	0.349	0.972	0.917

WCDMA B5	Ant.0	Level1	Left Cheek	0.244	0.801	0.100	0.889	1.045	1.233
		Level1	Left Tilt	0.135	0.747	0.091	0.499	0.882	0.725
		Level1	Right Cheek	0.174	0.390	0.036	0.296	0.564	0.506
		Level1	Right Tilt	0.092	0.443	0.039	0.349	0.535	0.480
LTE B2	Ant.1	Level1	Left Cheek	0.353	0.801	0.100	0.889	1.154	1.342
		Level1	Left Tilt	0.410	0.747	0.091	0.499	1.157	1.000
		Level1	Right Cheek	0.457	0.390	0.036	0.296	0.847	0.789
		Level1	Right Tilt	0.549	0.443	0.039	0.349	0.992	0.937
LTE B2	Ant.0	Level1	Left Cheek	0.127	0.801	0.100	0.889	0.928	1.116
		Level1	Left Tilt	0.091	0.747	0.091	0.499	0.838	0.681
		Level1	Right Cheek	0.076	0.390	0.036	0.296	0.466	0.408
		Level1	Right Tilt	0.083	0.443	0.039	0.349	0.526	0.471
LTE B4	Ant.1	Level1	Left Cheek	0.348	0.801	0.100	0.889	1.149	1.337
		Level1	Left Tilt	0.413	0.747	0.091	0.499	1.160	1.003
		Level1	Right Cheek	0.497	0.390	0.036	0.296	0.887	0.829
		Level1	Right Tilt	0.598	0.443	0.039	0.349	1.041	0.986
LTE B4	Ant.0	Level1	Left Cheek	0.171	0.801	0.100	0.889	0.972	1.160
		Level1	Left Tilt	0.072	0.747	0.091	0.499	0.819	0.662
		Level1	Right Cheek	0.087	0.390	0.036	0.296	0.477	0.419
		Level1	Right Tilt	0.084	0.443	0.039	0.349	0.527	0.472
LTE B5	Ant.1	Level1	Left Cheek	0.469	0.801	0.100	0.889	1.270	**1.458**
		Level1	Left Tilt	0.418	0.747	0.091	0.499	1.165	1.008
		Level1	Right Cheek	0.686	0.390	0.036	0.296	1.076	1.018
		Level1	Right Tilt	0.572	0.443	0.039	0.349	1.015	0.960
LTE B5	Ant.0	Level1	Left Cheek	0.278	0.801	0.100	0.889	1.079	1.267
		Level1	Left Tilt	0.144	0.747	0.091	0.499	0.891	0.734
		Level1	Right Cheek	0.180	0.390	0.036	0.296	0.570	0.512
		Level1	Right Tilt	0.100	0.443	0.039	0.349	0.543	0.488
LTE B7	Ant.1	Level1	Left Cheek	0.196	0.801	0.100	0.889	0.997	1.185
		Level1	Left Tilt	0.266	0.747	0.091	0.499	1.013	0.856
		Level1	Right Cheek	0.598	0.390	0.036	0.296	0.988	0.930
		Level1	Right Tilt	0.631	0.443	0.039	0.349	1.074	1.019
LTE B7	Ant.0	Level1	Left Cheek	0.153	0.801	0.100	0.889	0.954	1.142
		Level1	Left Tilt	0.100	0.747	0.091	0.499	0.847	0.690
		Level1	Right Cheek	0.283	0.390	0.036	0.296	0.673	0.615
		Level1	Right Tilt	0.136	0.443	0.039	0.349	0.579	0.524
LTE B7	Ant.4	Level1	Left Cheek	0.223	0.801	0.100	0.889	1.024	1.212
		Level1	Left Tilt	0.146	0.747	0.091	0.499	0.893	0.736
		Level1	Right Cheek	0.536	0.390	0.036	0.296	0.926	0.868
		Level1	Right Tilt	0.239	0.443	0.039	0.349	0.682	0.627
LTE B12	Ant.1	Level1	Left Cheek	0.366	0.801	0.100	0.889	1.167	1.355
		Level1	Left Tilt	0.334	0.747	0.091	0.499	1.081	0.924
		Level1	Right Cheek	0.623	0.390	0.036	0.296	1.013	0.955
		Level1	Right Tilt	0.515	0.443	0.039	0.349	0.958	0.903
LTE B12	Ant.0	Level1	Left Cheek	0.215	0.801	0.100	0.889	1.016	1.204

		Level1	Left Tilt	0.114	0.747	0.091	0.499	0.861	0.704
		Level1	Right Cheek	0.146	0.390	0.036	0.296	0.536	0.478
		Level1	Right Tilt	0.073	0.443	0.039	0.349	0.516	0.461
LTE B26	Ant.1	Level1	Left Cheek	0.348	0.801	0.100	0.889	1.149	1.337
		Level1	Left Tilt	0.294	0.747	0.091	0.499	1.041	0.884
		Level1	Right Cheek	0.531	0.390	0.036	0.296	0.921	0.863
		Level1	Right Tilt	0.424	0.443	0.039	0.349	0.867	0.812
LTE B26	Ant.0	Level1	Left Cheek	0.230	0.801	0.100	0.889	1.031	1.219
		Level1	Left Tilt	0.111	0.747	0.091	0.499	0.858	0.701
		Level1	Right Cheek	0.166	0.390	0.036	0.296	0.556	0.498
		Level1	Right Tilt	0.095	0.443	0.039	0.349	0.538	0.483
LTE B66	Ant.1	Level1	Left Cheek	0.326	0.801	0.100	0.889	1.127	1.315
		Level1	Left Tilt	0.477	0.747	0.091	0.499	1.224	1.067
		Level1	Right Cheek	0.556	0.390	0.036	0.296	0.946	0.888
		Level1	Right Tilt	0.673	0.443	0.039	0.349	1.116	1.061
LTE B66	Ant.0	Level1	Left Cheek	0.166	0.801	0.100	0.889	0.967	1.155
		Level1	Left Tilt	0.170	0.747	0.091	0.499	0.917	0.760
		Level1	Right Cheek	0.081	0.390	0.036	0.296	0.471	0.413
		Level1	Right Tilt	0.074	0.443	0.039	0.349	0.517	0.462
LTE B38	Ant.1	Level1	Left Cheek	0.107	0.801	0.100	0.889	0.908	1.096
		Level1	Left Tilt	0.158	0.747	0.091	0.499	0.905	0.748
		Level1	Right Cheek	0.343	0.390	0.036	0.296	0.733	0.675
		Level1	Right Tilt	0.404	0.443	0.039	0.349	0.847	0.792
LTE B38	Ant.0	Level1	Left Cheek	0.076	0.801	0.100	0.889	0.877	1.065
		Level1	Left Tilt	0.054	0.747	0.091	0.499	0.801	0.644
		Level1	Right Cheek	0.152	0.390	0.036	0.296	0.542	0.484
		Level1	Right Tilt	0.071	0.443	0.039	0.349	0.514	0.459
LTE B38	Ant.4	Level1	Left Cheek	0.371	0.801	0.100	0.889	1.172	1.360
		Level1	Left Tilt	0.237	0.747	0.091	0.499	0.984	0.827
		Level1	Right Cheek	0.798	0.390	0.036	0.296	1.188	1.130
		Level1	Right Tilt	0.304	0.443	0.039	0.349	0.747	0.692
LTE B41	Ant.1	Level1	Left Cheek	0.119	0.801	0.100	0.889	0.920	1.108
		Level1	Left Tilt	0.155	0.747	0.091	0.499	0.902	0.745
		Level1	Right Cheek	0.445	0.390	0.036	0.296	0.835	0.777
		Level1	Right Tilt	0.481	0.443	0.039	0.349	0.924	0.869
LTE B41	Ant.0	Level1	Left Cheek	0.064	0.801	0.100	0.889	0.865	1.053
		Level1	Left Tilt	0.035	0.747	0.091	0.499	0.782	0.625
		Level1	Right Cheek	0.141	0.390	0.036	0.296	0.531	0.473
		Level1	Right Tilt	0.044	0.443	0.039	0.349	0.487	0.432
LTE B41	Ant.4	Level1	Left Cheek	0.203	0.801	0.100	0.889	1.004	1.192
		Level1	Left Tilt	0.228	0.747	0.091	0.499	0.975	0.818
		Level1	Right Cheek	0.726	0.390	0.036	0.296	1.116	1.058
		Level1	Right Tilt	0.291	0.443	0.039	0.349	0.734	0.679
n5	Ant.1	Level1	Left Cheek	0.426	0.801	0.100	0.889	1.227	1.415
		Level1	Left Tilt	0.402	0.747	0.091	0.499	1.149	0.992

		Level1	Right Cheek	0.553	0.390	0.036	0.296	0.943	0.885
		Level1	Right Tilt	0.486	0.443	0.039	0.349	0.929	0.874
n5	Ant.0	Level1	Left Cheek	0.101	0.801	0.100	0.889	0.902	1.090
		Level1	Left Tilt	0.071	0.747	0.091	0.499	0.818	0.661
		Level1	Right Cheek	0.000	0.390	0.036	0.296	0.390	0.332
		Level1	Right Tilt	0.000	0.443	0.039	0.349	0.443	0.388
n7	Ant.1	Level1	Left Cheek	0.206	0.801	0.100	0.889	1.007	1.195
		Level1	Left Tilt	0.263	0.747	0.091	0.499	1.010	0.853
		Level1	Right Cheek	0.493	0.390	0.036	0.296	0.883	0.825
		Level1	Right Tilt	0.561	0.443	0.039	0.349	1.004	0.949
n7	Ant.0	Level1	Left Cheek	0.133	0.801	0.100	0.889	0.934	1.122
		Level1	Left Tilt	0.084	0.747	0.091	0.499	0.831	0.674
		Level1	Right Cheek	0.256	0.390	0.036	0.296	0.646	0.588
		Level1	Right Tilt	0.089	0.443	0.039	0.349	0.532	0.477
n7	Ant.4	Level1	Left Cheek	0.214	0.801	0.100	0.889	1.015	1.203
		Level1	Left Tilt	0.140	0.747	0.091	0.499	0.887	0.730
		Level1	Right Cheek	0.498	0.390	0.036	0.296	0.888	0.830
		Level1	Right Tilt	0.201	0.443	0.039	0.349	0.644	0.589
n38	Ant.1	Level1	Left Cheek	0.154	0.801	0.100	0.889	0.955	1.143
		Level1	Left Tilt	0.214	0.747	0.091	0.499	0.961	0.804
		Level1	Right Cheek	0.504	0.390	0.036	0.296	0.894	0.836
		Level1	Right Tilt	0.698	0.443	0.039	0.349	1.141	1.086
n38	Ant.0	Level1	Left Cheek	0.243	0.801	0.100	0.889	1.044	1.232
		Level1	Left Tilt	0.152	0.747	0.091	0.499	0.899	0.742
		Level1	Right Cheek	0.271	0.390	0.036	0.296	0.661	0.603
		Level1	Right Tilt	0.124	0.443	0.039	0.349	0.567	0.512
n38	Ant.4	Level1	Left Cheek	0.400	0.801	0.100	0.889	1.201	1.389
		Level1	Left Tilt	0.249	0.747	0.091	0.499	0.996	0.839
		Level1	Right Cheek	0.784	0.390	0.036	0.296	1.174	1.116
		Level1	Right Tilt	0.315	0.443	0.039	0.349	0.758	0.703
n41	Ant.1	Level1	Left Cheek	0.176	0.801	0.100	0.889	0.977	1.165
		Level1	Left Tilt	0.254	0.747	0.091	0.499	1.001	0.844
		Level1	Right Cheek	0.485	0.390	0.036	0.296	0.875	0.817
		Level1	Right Tilt	0.584	0.443	0.039	0.349	1.027	0.972
n41	Ant.0	Level1	Left Cheek	0.182	0.801	0.100	0.889	0.983	1.171
		Level1	Left Tilt	0.111	0.747	0.091	0.499	0.858	0.701
		Level1	Right Cheek	0.294	0.390	0.036	0.296	0.684	0.626
		Level1	Right Tilt	0.126	0.443	0.039	0.349	0.569	0.514
n41	Ant.4	Level1	Left Cheek	0.291	0.801	0.100	0.889	1.092	1.280
		Level1	Left Tilt	0.187	0.747	0.091	0.499	0.934	0.777
		Level1	Right Cheek	0.794	0.390	0.036	0.296	1.184	1.126
		Level1	Right Tilt	0.265	0.443	0.039	0.349	0.708	0.653

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

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

ED-DC Configuration	NR Ant.	Power Reduction	LTE Ant.	Power Reduction	Position	Stand alone SAR						SUM SAR	
						NR Band	LTE Band	1	2	3	4	1+2	1+3+4
								ENDC (LTE+NR)	2.4G WIFI Ant.7	5GWIFI Ant.7	Bluetooth Ant.7	WWAN+2.4G WIFI (Ant.7)	WWAN+5G WIFI (Ant.7)+BT
7A+n5A	Ant.0	Level1	Ant.1	Level1	Left Chhek	0.077	0.187	0.264	0.801	0.100	0.889	1.065	1.253
		Level1		Level1	Left Tilt	0.058	0.254	0.312	0.747	0.091	0.499	1.059	0.902
		Level1		Level1	Right Cheek	0.057	0.571	0.628	0.390	0.036	0.296	1.018	0.960
		Level1		Level1	Right Tilt	0.000	0.602	0.602	0.443	0.039	0.349	1.045	0.990
7A+n5A	Ant.0	Level1	Ant.4	Level1	Left Chhek	0.077	0.233	0.310	0.801	0.100	0.889	1.111	1.299
		Level1		Level1	Left Tilt	0.058	0.153	0.211	0.747	0.091	0.499	0.958	0.801
		Level1		Level1	Right Cheek	0.057	0.561	0.618	0.390	0.036	0.296	1.008	0.950
		Level1		Level1	Right Tilt	0.000	0.251	0.251	0.443	0.039	0.349	0.694	0.639
7A+n5A	Ant.1	Level1	Ant.0	Level1	Left Chhek	0.359	0.146	0.505	0.801	0.100	0.889	1.306	1.494
		Level1		Level1	Left Tilt	0.331	0.095	0.426	0.747	0.091	0.499	1.173	1.016
		Level1		Level1	Right Cheek	0.476	0.270	0.746	0.390	0.036	0.296	1.136	1.078
		Level1		Level1	Right Tilt	0.422	0.130	0.552	0.443	0.039	0.349	0.995	0.940
7A+n5A	Ant.1	Level1	Ant.4	Level1	Left Chhek	0.359	0.233	0.592	0.801	0.100	0.889	1.393	**1.581**
		Level1		Level1	Left Tilt	0.331	0.153	0.484	0.747	0.091	0.499	1.231	1.074
		Level1		Level1	Right Cheek	0.476	0.561	1.037	0.390	0.036	0.296	1.427	1.369
		Level1		Level1	Right Tilt	0.422	0.251	0.673	0.443	0.039	0.349	1.116	1.061
5A+n7A	Ant.0	Level1	Ant.1	Level1	Left Chhek	0.133	0.362	0.495	0.801	0.100	0.889	1.296	1.484
		Level1		Level1	Left Tilt	0.084	0.335	0.419	0.747	0.091	0.499	1.166	1.009
		Level1		Level1	Right Cheek	0.256	0.567	0.823	0.390	0.036	0.296	1.213	1.155
		Level1		Level1	Right Tilt	0.089	0.469	0.558	0.443	0.039	0.349	1.001	0.946
5A+n7A	Ant.1	Level1	Ant.0	Level1	Left Chhek	0.206	0.228	0.434	0.801	0.100	0.889	1.235	1.423
		Level1		Level1	Left Tilt	0.263	0.127	0.390	0.747	0.091	0.499	1.137	0.980
		Level1		Level1	Right Cheek	0.511	0.142	0.653	0.390	0.036	0.296	1.043	0.985
		Level1		Level1	Right Tilt	0.561	0.082	0.643	0.443	0.039	0.349	1.086	1.031
5A+n7A	Ant.4	Level1	Ant.0	Level1	Left Chhek	0.209	0.228	0.437	0.801	0.100	0.889	1.238	1.426
		Level1		Level1	Left Tilt	0.137	0.127	0.264	0.747	0.091	0.499	1.011	0.854
		Level1		Level1	Right Cheek	0.486	0.142	0.628	0.390	0.036	0.296	1.018	0.960
		Level1		Level1	Right Tilt	0.197	0.082	0.279	0.443	0.039	0.349	0.722	0.667
5A+n7A	Ant.4	Level1	Ant.1	Level1	Left Chhek	0.209	0.362	0.571	0.801	0.100	0.889	1.372	1.560
		Level1		Level1	Left Tilt	0.137	0.335	0.472	0.747	0.091	0.499	1.219	1.062
		Level1		Level1	Right Cheek	0.486	0.567	1.053	0.390	0.036	0.296	1.443	1.385
		Level1		Level1	Right Tilt	0.197	0.469	0.666	0.443	0.039	0.349	1.109	1.054
66A+n7A	Ant.0	Level1	Ant.1	Level1	Left Chhek	0.133	0.249	0.382	0.801	0.100	0.889	1.183	1.371
		Level1		Level1	Left Tilt	0.084	0.392	0.476	0.747	0.091	0.499	1.223	1.066

		Level1		Level1	Right Cheek	0.256	0.451	0.707	0.390	0.036	0.296	1.097	1.039
		Level1		Level1	Right Tilt	0.089	0.527	0.616	0.443	0.039	0.349	1.059	1.004
66A+n7A	Ant.1	Level1	Ant.0	Level1	Left Chhek	0.206	0.161	0.367	0.801	0.100	0.889	1.168	1.356
		Level1		Level1	Left Tilt	0.263	0.162	0.425	0.747	0.091	0.499	1.172	1.015
		Level1		Level1	Right Cheek	0.511	0.071	0.582	0.390	0.036	0.296	0.972	0.914
		Level1		Level1	Right Tilt	0.561	0.066	0.627	0.443	0.039	0.349	1.070	1.015
66A+n7A	Ant.4	Level1	Ant.0	Level1	Left Chhek	0.209	0.161	0.370	0.801	0.100	0.889	1.171	1.359
		Level1		Level1	Left Tilt	0.137	0.162	0.299	0.747	0.091	0.499	1.046	0.889
		Level1		Level1	Right Cheek	0.486	0.071	0.557	0.390	0.036	0.296	0.947	0.889
		Level1		Level1	Right Tilt	0.197	0.066	0.263	0.443	0.039	0.349	0.706	0.651
66A+n7A	Ant.4	Level1	Ant.1	Level1	Left Chhek	0.209	0.249	0.458	0.801	0.100	0.889	1.259	1.447
		Level1		Level1	Left Tilt	0.137	0.392	0.529	0.747	0.091	0.499	1.276	1.119
		Level1		Level1	Right Cheek	0.486	0.451	0.937	0.390	0.036	0.296	1.327	1.269
		Level1		Level1	Right Tilt	0.197	0.527	0.724	0.443	0.039	0.349	1.167	1.112
26A+n41A	Ant.0	Level1	Ant.1	Level1	Left Chhek	0.184	0.281	0.465	0.801	0.100	0.889	1.266	1.454
		Level1		Level1	Left Tilt	0.111	0.250	0.361	0.747	0.091	0.499	1.108	0.951
		Level1		Level1	Right Cheek	0.294	0.423	0.717	0.390	0.036	0.296	1.107	1.049
		Level1		Level1	Right Tilt	0.126	0.355	0.481	0.443	0.039	0.349	0.924	0.869
26A+n41A	Ant.1	Level1	Ant.0	Level1	Left Chhek	0.176	0.193	0.369	0.801	0.100	0.889	1.170	1.358
		Level1		Level1	Left Tilt	0.254	0.096	0.350	0.747	0.091	0.499	1.097	0.940
		Level1		Level1	Right Cheek	0.485	0.133	0.618	0.390	0.036	0.296	1.008	0.950
		Level1		Level1	Right Tilt	0.584	0.077	0.661	0.443	0.039	0.349	1.104	1.049
26A+n41A	Ant.4	Level1	Ant.0	Level1	Left Chhek	0.169	0.193	0.362	0.801	0.100	0.889	1.163	1.351
		Level1		Level1	Left Tilt	0.123	0.096	0.219	0.747	0.091	0.499	0.966	0.809
		Level1		Level1	Right Cheek	0.551	0.133	0.684	0.390	0.036	0.296	1.074	1.016
		Level1		Level1	Right Tilt	0.185	0.077	0.262	0.443	0.039	0.349	0.705	0.650
26A+n41A	Ant.4	Level1	Ant.1	Level1	Left Chhek	0.169	0.281	0.450	0.801	0.100	0.889	1.251	1.439
		Level1		Level1	Left Tilt	0.123	0.250	0.373	0.747	0.091	0.499	1.120	0.963
		Level1		Level1	Right Cheek	0.551	0.423	0.974	0.390	0.036	0.296	1.364	1.306
		Level1		Level1	Right Tilt	0.185	0.355	0.540	0.443	0.039	0.349	0.983	0.928

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

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

Band	Antenna	Power Reduction	Position	Stand alone SAR				SUM SAR	
				1	2	3	4	1+2	1+3+4
				WWAN	2.4G WIFI	5G WIFI	Bluetooth	WWAN+2.4G WIFI (Ant.7)	WWAN+5G WIFI (Ant.7)+BT
					Ant.7	Ant.7	Ant.7		
GSM850	Ant.1	Level2	Front Side 15mm	0.195	0.224	0.186	0.092	0.419	0.473
		Level2	Back Side 15mm	0.273	0.206	0.350	0.092	0.479	0.715
GSM850	Ant.0	Level2	Front Side 15mm	0.190	0.224	0.186	0.092	0.414	0.468
		Level2	Back Side 15mm	0.246	0.206	0.350	0.092	0.452	0.688
GSM1900	Ant.1	Level2	Front Side 15mm	0.111	0.224	0.186	0.092	0.335	0.389
		Level2	Back Side 15mm	0.157	0.206	0.350	0.092	0.363	0.599
GSM1900	Ant.0	Level2	Front Side 15mm	0.105	0.224	0.186	0.092	0.329	0.383
		Level2	Back Side 15mm	0.157	0.206	0.350	0.092	0.363	0.599
WCDMA B2	Ant.1	Level2	Front Side 15mm	0.176	0.224	0.186	0.092	0.400	0.454
		Level2	Back Side 15mm	0.359	0.206	0.350	0.092	0.565	0.801
WCDMA B2	Ant.0	Level2	Front Side 15mm	0.115	0.224	0.186	0.092	0.339	0.393
		Level2	Back Side 15mm	0.173	0.206	0.350	0.092	0.379	0.615
WCDMA B4	Ant.1	Level2	Front Side 15mm	0.219	0.224	0.186	0.092	0.443	0.497
		Level2	Back Side 15mm	0.292	0.206	0.350	0.092	0.498	0.734
WCDMA B4	Ant.0	Level2	Front Side 15mm	0.164	0.224	0.186	0.092	0.388	0.442
		Level2	Back Side 15mm	0.214	0.206	0.350	0.092	0.420	0.656
WCDMA B5	Ant.1	Level2	Front Side 15mm	0.167	0.224	0.186	0.092	0.391	0.445
		Level2	Back Side 15mm	0.205	0.206	0.350	0.092	0.411	0.647
WCDMA B5	Ant.0	Level2	Front Side 15mm	0.179	0.224	0.186	0.092	0.403	0.457
		Level2	Back Side 15mm	0.228	0.206	0.350	0.092	0.434	0.670
LTE B2	Ant.1	Level2	Front Side 15mm	0.105	0.224	0.186	0.092	0.329	0.383
		Level2	Back Side 15mm	0.143	0.206	0.350	0.092	0.349	0.585
LTE B2	Ant.0	Level2	Front Side 15mm	0.128	0.224	0.186	0.092	0.352	0.406
		Level2	Back Side 15mm	0.135	0.206	0.350	0.092	0.341	0.577
LTE B4	Ant.1	Level2	Front Side 15mm	0.151	0.224	0.186	0.092	0.375	0.429
		Level2	Back Side 15mm	0.197	0.206	0.350	0.092	0.403	0.639
LTE B4	Ant.0	Level2	Front Side 15mm	0.186	0.224	0.186	0.092	0.410	0.464
		Level2	Back Side 15mm	0.208	0.206	0.350	0.092	0.414	0.650
LTE B5	Ant.1	Level2	Front Side 15mm	0.188	0.224	0.186	0.092	0.412	0.466
		Level2	Back Side 15mm	0.217	0.206	0.350	0.092	0.423	0.659
LTE B5	Ant.0	Level2	Front Side 15mm	0.140	0.224	0.186	0.092	0.364	0.418
		Level2	Back Side 15mm	0.220	0.206	0.350	0.092	0.426	0.662
LTE B7	Ant.1	Level2	Front Side 15mm	0.065	0.224	0.186	0.092	0.289	0.343
		Level2	Back Side 15mm	0.129	0.206	0.350	0.092	0.335	0.571
LTE B7	Ant.0	Level2	Front Side 15mm	0.119	0.224	0.186	0.092	0.343	0.397
		Level2	Back Side 15mm	0.143	0.206	0.350	0.092	0.349	0.585
LTE B7	Ant.4	Level2	Front Side 15mm	0.064	0.224	0.186	0.092	0.288	0.342
		Level2	Back Side 15mm	0.131	0.206	0.350	0.092	0.337	0.573

LTE B12	Ant.1	Level2	Front Side 15mm	0.165	0.224	0.186	0.092	0.389	0.443
		Level2	Back Side 15mm	0.209	0.206	0.350	0.092	0.415	0.651
LTE B12	Ant.0	Level2	Front Side 15mm	0.218	0.224	0.186	0.092	0.442	0.496
		Level2	Back Side 15mm	0.300	0.206	0.350	0.092	0.506	0.742
LTE B26	Ant.1	Level2	Front Side 15mm	0.217	0.224	0.186	0.092	0.441	0.495
		Level2	Back Side 15mm	0.304	0.206	0.350	0.092	0.510	0.746
LTE B26	Ant.0	Level2	Front Side 15mm	0.152	0.224	0.186	0.092	0.376	0.430
		Level2	Back Side 15mm	0.204	0.206	0.350	0.092	0.410	0.646
LTE B66	Ant.1	Level2	Front Side 15mm	0.121	0.224	0.186	0.092	0.345	0.399
		Level2	Back Side 15mm	0.162	0.206	0.350	0.092	0.368	0.604
LTE B66	Ant.0	Level2	Front Side 15mm	0.181	0.224	0.186	0.092	0.405	0.459
		Level2	Back Side 15mm	0.201	0.206	0.350	0.092	0.407	0.643
LTE B38	Ant.1	Level2	Front Side 15mm	0.155	0.224	0.186	0.092	0.379	0.433
		Level2	Back Side 15mm	0.244	0.206	0.350	0.092	0.450	0.686
LTE B38	Ant.0	Level2	Front Side 15mm	0.123	0.224	0.186	0.092	0.347	0.401
		Level2	Back Side 15mm	0.145	0.206	0.350	0.092	0.351	0.587
LTE B38	Ant.4	Level2	Front Side 15mm	0.160	0.224	0.186	0.092	0.384	0.438
		Level2	Back Side 15mm	0.317	0.206	0.350	0.092	0.523	0.759
LTE B41	Ant.1	Level2	Front Side 15mm	0.094	0.224	0.186	0.092	0.318	0.372
		Level2	Back Side 15mm	0.122	0.206	0.350	0.092	0.328	0.564
LTE B41	Ant.0	Level2	Front Side 15mm	0.081	0.224	0.186	0.092	0.305	0.359
		Level2	Back Side 15mm	0.109	0.206	0.350	0.092	0.315	0.551
LTE B41	Ant.4	Level2	Front Side 15mm	0.224	0.224	0.186	0.092	0.448	0.502
		Level2	Back Side 15mm	0.279	0.206	0.350	0.092	0.485	0.721
n5	Ant.1	Level2	Front Side 15mm	0.176	0.224	0.186	0.092	0.400	0.454
		Level2	Back Side 15mm	0.262	0.206	0.350	0.092	0.468	0.704
n5	Ant.0	Level2	Front Side 15mm	0.061	0.224	0.186	0.092	0.285	0.339
		Level2	Back Side 15mm	0.139	0.206	0.350	0.092	0.345	0.581
n7	Ant.1	Level2	Front Side 15mm	0.066	0.224	0.186	0.092	0.290	0.344
		Level2	Back Side 15mm	0.152	0.206	0.350	0.092	0.358	0.594
n7	Ant.0	Level2	Front Side 15mm	0.121	0.224	0.186	0.092	0.345	0.399
		Level2	Back Side 15mm	0.164	0.206	0.350	0.092	0.370	0.606
n7	Ant.4	Level2	Front Side 15mm	0.068	0.224	0.186	0.092	0.292	0.346
		Level2	Back Side 15mm	0.217	0.206	0.350	0.092	0.423	0.659
n38	Ant.1	Level2	Front Side 15mm	0.107	0.224	0.186	0.092	0.331	0.385
		Level2	Back Side 15mm	0.196	0.206	0.350	0.092	0.402	0.638
n38	Ant.0	Level2	Front Side 15mm	0.520	0.224	0.186	0.092	0.744	0.798
		Level2	Back Side 15mm	0.464	0.206	0.350	0.092	0.670	**0.906**
n38	Ant.4	Level2	Front Side 15mm	0.180	0.224	0.186	0.092	0.404	0.458
		Level2	Back Side 15mm	0.425	0.206	0.350	0.092	0.631	0.867
n41	Ant.1	Level2	Front Side 15mm	0.081	0.224	0.186	0.092	0.305	0.359
		Level2	Back Side 15mm	0.175	0.206	0.350	0.092	0.381	0.617
n41	Ant.0	Level2	Front Side 15mm	0.245	0.224	0.186	0.092	0.469	0.523
		Level2	Back Side 15mm	0.340	0.206	0.350	0.092	0.546	0.782
n41	Ant.4	Level2	Front Side 15mm	0.109	0.224	0.186	0.092	0.333	0.387

		Level2	Back Side 15mm	0.311	0.206	0.350	0.092	0.517	0.753

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

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

ED-DC Configuration	NR Ant.	Power Reduction	LTE Ant.	Power Reduction	Position	Stand alone SAR						SUM SAR	
						NR Band	LTE Band	1	2	3	4	1+2	1+3+4
								ENDC (LTE+NR)	2.4G WIFI	5GWIFI	Bluetooth	WWAN+2.4G WIFI (Ant.7)	WWAN+5G WIFI (Ant.7)+BT
									Ant.7	Ant.7	Ant.7		
7A+n5A	Ant.0	Level2	Ant.1	Level2	Front Side 15mm	0.046	0.062	0.108	0.224	0.186	0.092	0.332	0.386
		Level2		Level2	Back Side 15mm	0.106	0.135	0.241	0.206	0.350	0.092	0.447	0.683
7A+n5A	Ant.0	Level2	Ant.4	Level2	Front Side 15mm	0.046	0.067	0.113	0.224	0.186	0.092	0.337	0.391
		Level2		Level2	Back Side 15mm	0.106	0.138	0.244	0.206	0.350	0.092	0.450	0.686
7A+n5A	Ant.1	Level2	Ant.0	Level2	Front Side 15mm	0.122	0.114	0.236	0.224	0.186	0.092	0.460	0.514
		Level2		Level2	Back Side 15mm	0.207	0.137	0.344	0.206	0.350	0.092	0.550	0.786
7A+n5A	Ant.1	Level2	Ant.4	Level2	Front Side 15mm	0.122	0.067	0.189	0.224	0.186	0.092	0.413	0.467
		Level2		Level2	Back Side 15mm	0.207	0.138	0.345	0.206	0.350	0.092	0.551	0.787
5A+n7A	Ant.0	Level2	Ant.1	Level2	Front Side 15mm	0.121	0.156	0.277	0.224	0.186	0.092	0.501	0.555
		Level2		Level2	Back Side 15mm	0.164	0.197	0.361	0.206	0.350	0.092	0.567	0.803
5A+n7A	Ant.1	Level2	Ant.0	Level2	Front Side 15mm	0.066	0.134	0.200	0.224	0.186	0.092	0.424	0.478
		Level2		Level2	Back Side 15mm	0.152	0.205	0.357	0.206	0.350	0.092	0.563	0.799
5A+n7A	Ant.4	Level2	Ant.0	Level2	Front Side 15mm	0.066	0.134	0.200	0.224	0.186	0.092	0.424	0.478
		Level2		Level2	Back Side 15mm	0.212	0.205	0.417	0.206	0.350	0.092	0.623	0.859
5A+n7A	Ant.4	Level2	Ant.1	Level2	Front Side 15mm	0.066	0.156	0.222	0.224	0.186	0.092	0.446	0.500
		Level2		Level2	Back Side 15mm	0.212	0.197	0.409	0.206	0.350	0.092	0.615	0.851
66A+n7A	Ant.0	Level2	Ant.1	Level2	Front Side 15mm	0.121	0.102	0.223	0.224	0.186	0.092	0.447	0.501
		Level2		Level2	Back Side 15mm	0.164	0.137	0.301	0.206	0.350	0.092	0.507	0.743
66A+n7A	Ant.1	Level2	Ant.0	Level2	Front Side 15mm	0.066	0.145	0.211	0.224	0.186	0.092	0.435	0.489
		Level2		Level2	Back Side 15mm	0.152	0.170	0.322	0.206	0.350	0.092	0.528	0.764
66A+n7A	Ant.4	Level2	Ant.0	Level2	Front Side 15mm	0.066	0.145	0.211	0.224	0.186	0.092	0.435	0.489
		Level2		Level2	Back Side 15mm	0.212	0.170	0.382	0.206	0.350	0.092	0.588	0.824
66A+n7A	Ant.4	Level2	Ant.1	Level2	Front Side 15mm	0.066	0.102	0.168	0.224	0.186	0.092	0.392	0.446
		Level2		Level2	Back Side 15mm	0.212	0.137	0.349	0.206	0.350	0.092	0.555	0.791
26A+n41A	Ant.0	Level2	Ant.1	Level2	Front Side 15mm	0.264	0.196	0.460	0.224	0.186	0.092	0.684	0.738
		Level2		Level2	Back Side 15mm	0.340	0.273	0.613	0.206	0.350	0.092	0.819	**1.055**
26A+n41A	Ant.1	Level2	Ant.0	Level2	Front Side 15mm	0.090	0.119	0.209	0.224	0.186	0.092	0.433	0.487
		Level2		Level2	Back Side 15mm	0.176	0.183	0.359	0.206	0.350	0.092	0.565	0.801
26A+n41A	Ant.4	Level2	Ant.0	Level2	Front Side 15mm	0.083	0.119	0.202	0.224	0.186	0.092	0.426	0.480
		Level2		Level2	Back Side 15mm	0.286	0.183	0.469	0.206	0.350	0.092	0.675	0.911

26A+n41A	Ant.4	Level2	Ant.1	Level2	Front Side 15mm	0.083	0.196	0.279	0.224	0.186	0.092	0.503	0.557
		Level2		Level2	Back Side 15mm	0.286	0.273	0.559	0.206	0.350	0.092	0.765	1.001

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

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

Band	Antenna	Power Reduction	Position	Stand alone SAR				SUM SAR	
				1	2	3	4	1+2	1+3+4
				WWAN	2.4G WIFI	5G WIFI	Bluetooth	WWAN+2.4G	WWAN+5G
					Ant.7	Ant.7	Ant.7	WIFI(Ant.7)	WIF+BT
GSM850	Ant.1	Level2	Front Side 10mm	0.301	0.372	0.294	0.088	0.673	0.683
		Level2	Back Side 10mm	0.410	0.455	0.488	0.108	0.865	1.006
		Level2	Right Edge 10mm	0.192	0.075	0.020	0.000	0.267	0.212
		Level2	Top Edge 10mm	0.307	0.480	0.533	0.145	0.787	0.985
GSM850	Ant.0	Level2	Front Side 10mm	0.218	0.372	0.294	0.088	0.590	0.600
		Level2	Back Side 10mm	0.395	0.455	0.488	0.108	0.850	0.991
		Level2	Left Edge 10mm	0.130	0.324	0.498	0.081	0.454	0.709
		Level2	Right Edge 10mm	0.293	0.075	0.020	0.000	0.368	0.313
		Level2	Bottom Edge 10mm	0.341	0.000	0.008	0.000	0.341	0.349
GSM1900	Ant.1	Level2	Front Side 10mm	0.210	0.372	0.294	0.088	0.582	0.592
		Level2	Back Side 10mm	0.321	0.455	0.488	0.108	0.776	0.917
		Level2	Right Edge 10mm	0.046	0.075	0.020	0.000	0.121	0.066
		Level2	Top Edge 10mm	0.479	0.480	0.533	0.145	0.959	1.157
GSM1900	Ant.0	Level2	Front Side 10mm	0.175	0.372	0.294	0.088	0.547	0.557
		Level2	Back Side 10mm	0.261	0.455	0.488	0.108	0.716	0.857
		Level2	Left Edge 10mm	0.146	0.324	0.498	0.081	0.470	0.725
		Level2	Right Edge 10mm	0.050	0.075	0.020	0.000	0.125	0.070
		Level2	Bottom Edge 10mm	0.445	0.000	0.008	0.000	0.445	0.453
WCDMA B2	Ant.1	Level2	Front Side 10mm	0.203	0.372	0.294	0.088	0.575	0.585
		Level2	Back Side 10mm	0.329	0.455	0.488	0.108	0.784	0.925
		Level2	Right Edge 10mm	0.466	0.075	0.020	0.000	0.541	0.486
		Level2	Top Edge 10mm	0.519	0.480	0.533	0.145	0.999	1.197
WCDMA B2	Ant.0	Level2	Front Side 10mm	0.199	0.372	0.294	0.088	0.571	0.581
		Level2	Back Side 10mm	0.297	0.455	0.488	0.108	0.752	0.893
		Level2	Left Edge 10mm	0.168	0.324	0.498	0.081	0.492	0.747
		Level2	Right Edge 10mm	0.064	0.075	0.020	0.000	0.139	0.084
		Level2	Bottom Edge 10mm	0.467	0.000	0.008	0.000	0.467	0.475
WCDMA B4	Ant.1	Level2	Front Side 10mm	0.321	0.372	0.294	0.088	0.693	0.703
		Level2	Back Side 10mm	0.398	0.455	0.488	0.108	0.853	0.994
		Level2	Right Edge 10mm	0.064	0.075	0.020	0.000	0.139	0.084
		Level2	Top Edge 10mm	0.680	0.480	0.533	0.145	1.160	1.358

WCDMA B4	Ant.0	Level2	Front Side 10mm	0.251	0.372	0.294	0.088	0.623	0.633
		Level2	Back Side 10mm	0.299	0.455	0.488	0.108	0.754	0.895
		Level2	Left Edge 10mm	0.066	0.324	0.498	0.081	0.390	0.645
		Level2	Right Edge 10mm	0.070	0.075	0.020	0.000	0.145	0.090
		Level2	Bottom Edge 10mm	0.487	0.000	0.008	0.000	0.487	0.495
WCDMA B5	Ant.1	Level2	Front Side 10mm	0.298	0.372	0.294	0.088	0.670	0.680
		Level2	Back Side 10mm	0.377	0.455	0.488	0.108	0.832	0.973
		Level2	Right Edge 10mm	0.159	0.075	0.020	0.000	0.234	0.179
		Level2	Top Edge 10mm	0.287	0.480	0.533	0.145	0.767	0.965
WCDMA B5	Ant.0	Level2	Front Side 10mm	0.206	0.372	0.294	0.088	0.578	0.588
		Level2	Back Side 10mm	0.355	0.455	0.488	0.108	0.810	0.951
		Level2	Left Edge 10mm	0.122	0.324	0.498	0.081	0.446	0.701
		Level2	Right Edge 10mm	0.256	0.075	0.020	0.000	0.331	0.276
		Level2	Bottom Edge 10mm	0.277	0.000	0.008	0.000	0.277	0.285
LTE B2	Ant.1	Level2	Front Side 10mm	0.213	0.372	0.294	0.088	0.585	0.595
		Level2	Back Side 10mm	0.327	0.455	0.488	0.108	0.782	0.923
		Level2	Right Edge 10mm	0.040	0.075	0.020	0.000	0.115	0.060
		Level2	Top Edge 10mm	0.490	0.480	0.533	0.145	0.970	1.168
LTE B2	Ant.0	Level2	Front Side 10mm	0.172	0.372	0.294	0.088	0.544	0.554
		Level2	Back Side 10mm	0.317	0.455	0.488	0.108	0.772	0.913
		Level2	Left Edge 10mm	0.173	0.324	0.498	0.081	0.497	0.752
		Level2	Right Edge 10mm	0.053	0.075	0.020	0.000	0.128	0.073
		Level2	Bottom Edge 10mm	0.448	0.000	0.008	0.000	0.448	0.456
LTE B4	Ant.1	Level2	Front Side 10mm	0.301	0.372	0.294	0.088	0.673	0.683
		Level2	Back Side 10mm	0.395	0.455	0.488	0.108	0.850	0.991
		Level2	Right Edge 10mm	0.056	0.075	0.020	0.000	0.131	0.076
		Level2	Top Edge 10mm	0.603	0.480	0.533	0.145	1.083	1.281
LTE B4	Ant.0	Level2	Front Side 10mm	0.304	0.372	0.294	0.088	0.676	0.686
		Level2	Back Side 10mm	0.360	0.455	0.488	0.108	0.815	0.956
		Level2	Left Edge 10mm	0.068	0.324	0.498	0.081	0.392	0.647
		Level2	Right Edge 10mm	0.086	0.075	0.020	0.000	0.161	0.106
		Level2	Bottom Edge 10mm	0.573	0.000	0.008	0.000	0.573	0.581
LTE B5	Ant.1	Level2	Front Side 10mm	0.292	0.372	0.294	0.088	0.664	0.674
		Level2	Back Side 10mm	0.359	0.455	0.488	0.108	0.814	0.955
		Level2	Right Edge 10mm	0.165	0.075	0.020	0.000	0.240	0.185
		Level2	Top Edge 10mm	0.268	0.480	0.533	0.145	0.748	0.946
LTE B5	Ant.0	Level2	Front Side 10mm	0.211	0.372	0.294	0.088	0.583	0.593
		Level2	Back Side 10mm	0.389	0.455	0.488	0.108	0.844	0.985
		Level2	Left Edge 10mm	0.115	0.324	0.498	0.081	0.439	0.694
		Level2	Right Edge 10mm	0.246	0.075	0.020	0.000	0.321	0.266
		Level2	Bottom Edge 10mm	0.284	0.000	0.008	0.000	0.284	0.292
LTE B7	Ant.1	Level2	Front Side 10mm	0.145	0.372	0.294	0.088	0.517	0.527
		Level2	Back Side 10mm	0.346	0.455	0.488	0.108	0.801	0.942
		Level2	Right Edge 10mm	0.096	0.075	0.020	0.000	0.171	0.116
		Level2	Top Edge 10mm	0.418	0.480	0.533	0.145	0.898	1.096

LTE B7	Ant.0	Level2	Front Side 10mm	0.268	0.372	0.294	0.088	0.640	0.650
		Level2	Back Side 10mm	0.297	0.455	0.488	0.108	0.752	0.893
		Level2	Left Edge 10mm	0.103	0.324	0.498	0.081	0.427	0.682
		Level2	Right Edge 10mm	0.050	0.075	0.020	0.000	0.125	0.070
		Level2	Bottom Edge 10mm	0.183	0.000	0.008	0.000	0.183	0.191
LTE B7	Ant.4	Level2	Front Side 10mm	0.109	0.372	0.294	0.088	0.481	0.491
		Level2	Back Side 10mm	0.399	0.455	0.488	0.108	0.854	0.995
		Level2	Right Edge 10mm	0.241	0.075	0.020	0.000	0.316	0.261
		Level2	Top Edge 10mm	0.111	0.480	0.533	0.145	0.591	0.789
LTE B12	Ant.1	Level2	Front Side 10mm	0.151	0.372	0.294	0.088	0.523	0.533
		Level2	Back Side 10mm	0.211	0.455	0.488	0.108	0.666	0.807
		Level2	Right Edge 10mm	0.189	0.075	0.020	0.000	0.264	0.209
		Level2	Top Edge 10mm	0.122	0.480	0.533	0.145	0.602	0.800
LTE B12	Ant.0	Level2	Front Side 10mm	0.160	0.372	0.294	0.088	0.532	0.542
		Level2	Back Side 10mm	0.242	0.455	0.488	0.108	0.697	0.838
		Level2	Left Edge 10mm	0.160	0.324	0.498	0.081	0.484	0.739
		Level2	Right Edge 10mm	0.384	0.075	0.020	0.000	0.459	0.404
		Level2	Bottom Edge 10mm	0.127	0.000	0.008	0.000	0.127	0.135
LTE B26	Ant.1	Level2	Front Side 10mm	0.259	0.372	0.294	0.088	0.631	0.641
		Level2	Back Side 10mm	0.332	0.455	0.488	0.108	0.787	0.928
		Level2	Right Edge 10mm	0.187	0.075	0.020	0.000	0.262	0.207
		Level2	Top Edge 10mm	0.258	0.480	0.533	0.145	0.738	0.936
LTE B26	Ant.0	Level2	Front Side 10mm	0.200	0.372	0.294	0.088	0.572	0.582
		Level2	Back Side 10mm	0.362	0.455	0.488	0.108	0.817	0.958
		Level2	Left Edge 10mm	0.103	0.324	0.498	0.081	0.427	0.682
		Level2	Right Edge 10mm	0.224	0.075	0.020	0.000	0.299	0.244
		Level2	Bottom Edge 10mm	0.260	0.000	0.008	0.000	0.260	0.268
LTE B66	Ant.1	Level2	Front Side 10mm	0.262	0.372	0.294	0.088	0.634	0.644
		Level2	Back Side 10mm	0.358	0.455	0.488	0.108	0.813	0.954
		Level2	Right Edge 10mm	0.053	0.075	0.020	0.000	0.128	0.073
		Level2	Top Edge 10mm	0.580	0.480	0.533	0.145	1.060	1.258
LTE B66	Ant.0	Level2	Front Side 10mm	0.313	0.372	0.294	0.088	0.685	0.695
		Level2	Back Side 10mm	0.388	0.455	0.488	0.108	0.843	0.984
		Level2	Left Edge 10mm	0.178	0.324	0.498	0.081	0.502	0.757
		Level2	Right Edge 10mm	0.080	0.075	0.020	0.000	0.155	0.100
		Level2	Bottom Edge 10mm	0.607	0.000	0.008	0.000	0.607	0.615
LTE B38	Ant.1	Level2	Front Side 10mm	0.155	0.372	0.294	0.088	0.527	0.537
		Level2	Back Side 10mm	0.387	0.455	0.488	0.108	0.842	0.983
		Level2	Right Edge 10mm	0.145	0.075	0.020	0.000	0.220	0.165
		Level2	Top Edge 10mm	0.606	0.480	0.533	0.145	1.086	1.284
LTE B38	Ant.0	Level2	Front Side 10mm	0.353	0.372	0.294	0.088	0.725	0.735
		Level2	Back Side 10mm	0.374	0.455	0.488	0.108	0.829	0.970
		Level2	Left Edge 10mm	0.154	0.324	0.498	0.081	0.478	0.733
		Level2	Right Edge 10mm	0.050	0.075	0.020	0.000	0.125	0.070
		Level2	Bottom Edge 10mm	0.198	0.000	0.008	0.000	0.198	0.206

LTE B38	Ant.4	Level2	Front Side 10mm	0.232	0.372	0.294	0.088	0.604	0.614
		Level2	Back Side 10mm	0.724	0.455	0.488	0.108	1.179	1.320
		Level2	Right Edge 10mm	0.534	0.075	0.020	0.000	0.609	0.554
		Level2	Top Edge 10mm	0.018	0.480	0.533	0.145	0.498	0.696
LTE B41	Ant.1	Level2	Front Side 10mm	0.293	0.372	0.294	0.088	0.665	0.675
		Level2	Back Side 10mm	0.579	0.455	0.488	0.108	1.034	1.175
		Level2	Right Edge 10mm	0.331	0.075	0.020	0.000	0.406	0.351
		Level2	Top Edge 10mm	0.510	0.480	0.533	0.145	0.990	1.188
LTE B41	Ant.0	Level2	Front Side 10mm	0.282	0.372	0.294	0.088	0.654	0.664
		Level2	Back Side 10mm	0.320	0.455	0.488	0.108	0.775	0.916
		Level2	Left Edge 10mm	0.144	0.324	0.498	0.081	0.468	0.723
		Level2	Right Edge 10mm	0.068	0.075	0.020	0.000	0.143	0.088
		Level2	Bottom Edge 10mm	0.215	0.000	0.008	0.000	0.215	0.223
LTE B41	Ant.4	Level2	Front Side 10mm	0.573	0.372	0.294	0.088	0.945	0.955
		Level2	Back Side 10mm	0.644	0.455	0.488	0.108	1.099	1.240
		Level2	Right Edge 10mm	0.423	0.075	0.020	0.000	0.498	0.443
		Level2	Top Edge 10mm	0.438	0.480	0.533	0.145	0.918	1.116
n5	Ant.1	Level2	Front Side 10mm	0.306	0.372	0.294	0.088	0.678	0.688
		Level2	Back Side 10mm	0.384	0.455	0.488	0.108	0.839	0.980
		Level2	Right Edge 10mm	0.144	0.075	0.020	0.000	0.219	0.164
		Level2	Top Edge 10mm	0.286	0.480	0.533	0.145	0.766	0.964
n5	Ant.0	Level2	Front Side 10mm	0.157	0.372	0.294	0.088	0.529	0.539
		Level2	Back Side 10mm	0.346	0.455	0.488	0.108	0.801	0.942
		Level2	Left Edge 10mm	0.000	0.324	0.498	0.081	0.324	0.579
		Level2	Right Edge 10mm	0.138	0.075	0.020	0.000	0.213	0.158
		Level2	Bottom Edge 10mm	0.287	0.000	0.008	0.000	0.287	0.295
n7	Ant.1	Level2	Front Side 10mm	0.184	0.372	0.294	0.088	0.556	0.566
		Level2	Back Side 10mm	0.391	0.455	0.488	0.108	0.846	0.987
		Level2	Right Edge 10mm	0.159	0.075	0.020	0.000	0.234	0.179
		Level2	Top Edge 10mm	0.377	0.480	0.533	0.145	0.857	1.055
n7	Ant.0	Level2	Front Side 10mm	0.201	0.372	0.294	0.088	0.573	0.583
		Level2	Back Side 10mm	0.311	0.455	0.488	0.108	0.766	0.907
		Level2	Left Edge 10mm	0.179	0.324	0.498	0.081	0.503	0.758
		Level2	Right Edge 10mm	0.041	0.075	0.020	0.000	0.116	0.061
		Level2	Bottom Edge 10mm	0.225	0.000	0.008	0.000	0.225	0.233
n7	Ant.4	Level2	Front Side 10mm	0.093	0.372	0.294	0.088	0.465	0.475
		Level2	Back Side 10mm	0.507	0.455	0.488	0.108	0.962	1.103
		Level2	Right Edge 10mm	0.254	0.075	0.020	0.000	0.329	0.274
		Level2	Top Edge 10mm	0.141	0.480	0.533	0.145	0.621	0.819
n38	Ant.1	Level2	Front Side 10mm	0.196	0.372	0.294	0.088	0.568	0.578
		Level2	Back Side 10mm	0.406	0.455	0.488	0.108	0.861	1.002
		Level2	Right Edge 10mm	0.170	0.075	0.020	0.000	0.245	0.190
		Level2	Top Edge 10mm	0.597	0.480	0.533	0.145	1.077	1.275
n38	Ant.0	Level2	Front Side 10mm	0.443	0.372	0.294	0.088	0.815	0.825
		Level2	Back Side 10mm	0.716	0.455	0.488	0.108	1.171	1.312

		Level2	Left Edge 10mm	0.276	0.324	0.498	0.081	0.600	0.855
		Level2	Right Edge 10mm	0.000	0.075	0.020	0.000	0.075	0.020
		Level2	Bottom Edge 10mm	0.449	0.000	0.008	0.000	0.449	0.457
n38	Ant.4	Level2	Front Side 10mm	0.211	0.372	0.294	0.088	0.583	0.593
		Level2	Back Side 10mm	0.869	0.455	0.488	0.108	1.324	**1.465**
		Level2	Right Edge 10mm	0.440	0.075	0.020	0.000	0.515	0.460
		Level2	Top Edge 10mm	0.074	0.480	0.533	0.145	0.554	0.752
n41	Ant.1	Level2	Front Side 10mm	0.175	0.372	0.294	0.088	0.547	0.557
		Level2	Back Side 10mm	0.401	0.455	0.488	0.108	0.856	0.997
		Level2	Right Edge 10mm	0.150	0.075	0.020	0.000	0.225	0.170
		Level2	Top Edge 10mm	0.443	0.480	0.533	0.145	0.923	1.121
n41	Ant.0	Level2	Front Side 10mm	0.439	0.372	0.294	0.088	0.811	0.821
		Level2	Back Side 10mm	0.586	0.455	0.488	0.108	1.041	1.182
		Level2	Left Edge 10mm	0.294	0.324	0.498	0.081	0.618	0.873
		Level2	Right Edge 10mm	0.000	0.075	0.020	0.000	0.075	0.020
		Level2	Bottom Edge 10mm	0.401	0.000	0.008	0.000	0.401	0.409
n41	Ant.4	Level2	Front Side 10mm	0.207	0.372	0.294	0.088	0.579	0.589
		Level2	Back Side 10mm	0.794	0.455	0.488	0.108	1.249	1.390
		Level2	Right Edge 10mm	0.528	0.075	0.020	0.000	0.603	0.548
		Level2	Top Edge 10mm	0.249	0.480	0.533	0.145	0.729	0.927

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

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

ED-DC Configuration	NR Ant.	Power Reduction	LTE Ant.	Power Reduction	Position	Stand alone SAR						SUM SAR	
						NR Band	LTE Band	1	2	3	4	1+2	1+3+4
								ENDC (LTE+NR)	2.4G WIFI	5GWIFI	Bluetooth	WWAN+2.4G WIFI (Ant.7)	WWAN+5G WIFI (Ant.7)+BT
									Ant.7	Ant.7	Ant.7		
7A+n5A	Ant.0	Level2	Ant.1	Level2	Front Side 10mm	0.117	0.138	0.255	0.372	0.294	0.088	0.627	0.637
		Level2		Level2	Back Side 10mm	0.248	0.330	0.578	0.455	0.488	0.108	1.033	1.174
		Level2		Level2	Left Edge 10mm	0.000	/	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.107	0.091	0.198	0.075	0.020	0.000	0.273	0.218
		Level2		Level2	Top Edge 10mm	/	0.399	/	0.480	0.533	0.145	/	/
		Level2		Level2	Bottom Edge 10mm	0.217	/	/	0.000	0.008	0.000	/	/
7A+n5A	Ant.0	Level2	Ant.4	Level2	Front Side 10mm	0.117	0.114	0.231	0.372	0.294	0.088	0.603	0.613
		Level2		Level2	Back Side 10mm	0.248	0.418	0.666	0.455	0.488	0.108	1.121	1.262
		Level2		Level2	Left Edge 10mm	0.000	/	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.107	0.252	0.359	0.075	0.020	0.000	0.434	0.379
		Level2		Level2	Top Edge 10mm	/	0.116	/	0.480	0.533	0.145	/	/

		Level2		Level2	Bottom Edge 10mm	0.217	/	/	0.000	0.008	0.000	/	/
7A+n5A	Ant.1	Level2	Ant.0	Level2	Front Side 10mm	0.220	0.256	0.476	0.372	0.294	0.088	0.848	0.858
		Level2		Level2	Back Side 10mm	0.296	0.284	0.580	0.455	0.488	0.108	1.035	1.176
		Level2		Level2	Left Edge 10mm	/	0.098	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.113	0.048	0.161	0.075	0.020	0.000	0.236	0.181
		Level2		Level2	Top Edge 10mm	0.227	/	/	0.480	0.533	0.145	/	/
		Level2		Level2	Bottom Edge 10mm	/	0.175	/	0.000	0.008	0.000	/	/
7A+n5A	Ant.1	Level2	Ant.4	Level2	Front Side 10mm	0.220	0.114	0.334	0.372	0.294	0.088	0.706	0.716
		Level2		Level2	Back Side 10mm	0.296	0.418	0.714	0.455	0.488	0.108	1.169	1.310
		Level2		Level2	Left Edge 10mm	/	/	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.113	0.252	0.365	0.075	0.020	0.000	0.440	0.385
		Level2		Level2	Top Edge 10mm	0.227	0.116	0.343	0.480	0.533	0.145	0.823	1.021
		Level2		Level2	Bottom Edge 10mm	/	/	/	0.000	0.008	0.000	/	/
5A+n7A	Ant.0	Level2	Ant.1	Level2	Front Side 10mm	0.201	0.279	0.480	0.372	0.294	0.088	0.852	0.862
		Level2		Level2	Back Side 10mm	0.311	0.353	0.664	0.455	0.488	0.108	1.119	1.260
		Level2		Level2	Left Edge 10mm	0.179	/	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.041	0.157	0.198	0.075	0.020	0.000	0.273	0.218
		Level2		Level2	Top Edge 10mm	/	0.258	/	0.480	0.533	0.145	/	/
		Level2		Level2	Bottom Edge 10mm	0.225	/	/	0.000	0.008	0.000	/	/
5A+n7A	Ant.1	Level2	Ant.0	Level2	Front Side 10mm	0.184	0.187	0.371	0.372	0.294	0.088	0.743	0.753
		Level2		Level2	Back Side 10mm	0.391	0.323	0.714	0.455	0.488	0.108	1.169	1.310
		Level2		Level2	Left Edge 10mm	/	0.108	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.159	0.207	0.366	0.075	0.020	0.000	0.441	0.386
		Level2		Level2	Top Edge 10mm	0.377	/	/	0.480	0.533	0.145	/	/
		Level2		Level2	Bottom Edge 10mm	/	0.240	/	0.000	0.008	0.000	/	/
5A+n7A	Ant.4	Level2	Ant.0	Level2	Front Side 10mm	0.091	0.187	0.278	0.372	0.294	0.088	0.650	0.660
		Level2		Level2	Back Side 10mm	0.496	0.323	0.819	0.455	0.488	0.108	1.274	1.415
		Level2		Level2	Left Edge 10mm	/	0.108	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.248	0.207	0.455	0.075	0.020	0.000	0.530	0.475
		Level2		Level2	Top Edge 10mm	0.137	/	/	0.480	0.533	0.145	/	/
		Level2		Level2	Bottom Edge 10mm	/	0.240	/	0.000	0.008	0.000	/	/
5A+n7A	Ant.4	Level2	Ant.1	Level2	Front Side 10mm	0.091	0.279	0.370	0.372	0.294	0.088	0.742	0.752
		Level2		Level2	Back Side 10mm	0.496	0.353	0.849	0.455	0.488	0.108	1.304	1.445
		Level2		Level2	Left Edge 10mm	/	/	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.248	0.157	0.405	0.075	0.020	0.000	0.480	0.425
		Level2		Level2	Top Edge 10mm	0.137	0.258	0.395	0.480	0.533	0.145	0.875	1.073
		Level2		Level2	Bottom Edge 10mm	/	/	/	0.000	0.008	0.000	/	/
66A+n7A	Ant.0	Level2	Ant.1	Level2	Front Side 10mm	0.201	0.222	0.423	0.372	0.294	0.088	0.795	0.805
		Level2		Level2	Back Side 10mm	0.311	0.285	0.596	0.455	0.488	0.108	1.051	1.192
		Level2		Level2	Left Edge 10mm	0.179	/	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.041	0.042	0.083	0.075	0.020	0.000	0.158	0.103
		Level2		Level2	Top Edge 10mm	/	0.460	/	0.480	0.533	0.145	/	/
		Level2		Level2	Bottom Edge 10mm	0.225	/	/	0.000	0.008	0.000	/	/
66A+n7A	Ant.1	Level2	Ant.0	Level2	Front Side 10mm	0.184	0.249	0.433	0.372	0.294	0.088	0.805	0.815
		Level2		Level2	Back Side 10mm	0.391	0.309	0.700	0.455	0.488	0.108	1.155	1.296

		Level2		Level2	Left Edge 10mm	/	0.145	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.159	0.065	0.224	0.075	0.020	0.000	0.299	0.244
		Level2		Level2	Top Edge 10mm	0.377	/	/	0.480	0.533	0.145	/	/
		Level2		Level2	Bottom Edge 10mm	/	0.449	/	0.000	0.008	0.000	/	/
66A+n7A	Ant.4	Level2	Ant.0	Level2	Front Side 10mm	0.091	0.249	0.340	0.372	0.294	0.088	0.712	0.722
		Level2		Level2	Back Side 10mm	0.496	0.309	0.805	0.455	0.488	0.108	1.260	1.401
		Level2		Level2	Left Edge 10mm	/	0.145	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.248	0.065	0.313	0.075	0.020	0.000	0.388	0.333
		Level2		Level2	Top Edge 10mm	0.137	/	/	0.480	0.533	0.145	/	/
		Level2		Level2	Bottom Edge 10mm	/	0.449	/	0.000	0.008	0.000	/	/
66A+n7A	Ant.4	Level2	Ant.1	Level2	Front Side 10mm	0.091	0.222	0.313	0.372	0.294	0.088	0.685	0.695
		Level2		Level2	Back Side 10mm	0.496	0.285	0.781	0.455	0.488	0.108	1.236	1.377
		Level2		Level2	Left Edge 10mm	/	/	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.248	0.042	0.290	0.075	0.020	0.000	0.365	0.310
		Level2		Level2	Top Edge 10mm	0.137	0.460	0.597	0.480	0.533	0.145	1.077	1.275
		Level2		Level2	Bottom Edge 10mm	/	/	/	0.000	0.008	0.000	/	/
26A+n41A	Ant.0	Level2	Ant.1	Level2	Front Side 10mm	0.439	0.226	0.665	0.372	0.294	0.088	1.037	1.047
		Level2		Level2	Back Side 10mm	0.586	0.272	0.858	0.455	0.488	0.108	1.313	1.454
		Level2		Level2	Left Edge 10mm	0.294	/	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.000	0.150	0.150	0.075	0.020	0.000	0.225	0.170
		Level2		Level2	Top Edge 10mm	/	0.201	/	0.480	0.533	0.145	/	/
		Level2		Level2	Bottom Edge 10mm	0.401	/	/	0.000	0.008	0.000	/	/
26A+n41A	Ant.1	Level2	Ant.0	Level2	Front Side 10mm	0.175	0.172	0.347	0.372	0.294	0.088	0.719	0.729
		Level2		Level2	Back Side 10mm	0.401	0.287	0.688	0.455	0.488	0.108	1.143	1.284
		Level2		Level2	Left Edge 10mm	/	0.082	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.150	0.180	0.330	0.075	0.020	0.000	0.405	0.350
		Level2		Level2	Top Edge 10mm	0.443	/	/	0.480	0.533	0.145	/	/
		Level2		Level2	Bottom Edge 10mm	/	0.208	/	0.000	0.008	0.000	/	/
26A+n41A	Ant.4	Level2	Ant.0	Level2	Front Side 10mm	0.184	0.172	0.356	0.372	0.294	0.088	0.728	0.738
		Level2		Level2	Back Side 10mm	0.649	0.287	0.936	0.455	0.488	0.108	1.391	**1.532**
		Level2		Level2	Left Edge 10mm	/	0.082	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.432	0.180	0.612	0.075	0.020	0.000	0.687	0.632
		Level2		Level2	Top Edge 10mm	0.206	/	/	0.480	0.533	0.145	/	/
		Level2		Level2	Bottom Edge 10mm	/	0.208	/	0.000	0.008	0.000	/	/
26A+n41A	Ant.4	Level2	Ant.1	Level2	Front Side 10mm	0.184	0.226	0.410	0.372	0.294	0.088	0.782	0.792
		Level2		Level2	Back Side 10mm	0.649	0.272	0.921	0.455	0.488	0.108	1.376	1.517
		Level2		Level2	Left Edge 10mm	/	/	/	0.324	0.498	0.081	/	/
		Level2		Level2	Right Edge 10mm	0.432	0.150	0.582	0.075	0.020	0.000	0.657	0.602
		Level2		Level2	Top Edge 10mm	0.206	0.201	0.407	0.480	0.533	0.145	0.887	1.085
		Level2		Level2	Bottom Edge 10mm	/	/	/	0.000	0.008	0.000	/	/

Note:

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

2: The highest Summed 1g SAR is 1.532 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.7 Simultaneous Transmission SAR Evaluation for WLAN 5G WLAN and BT

Power Reduction	Position	Stand alone SAR		SUM SAR
		1	2	1+2
		5G WIFI	Bluetooth	5GWIFI+BT
		Ant.7	Ant.7	
Level1	Left Cheek	0.162	0.889	**1.051**
Level1	Left Tilt	0.156	0.499	0.655
Level1	Right Cheek	0.050	0.296	0.346
Level1	Right Tilt	0.057	0.349	0.406
Level3	Front Side 15mm	0.357	0.092	0.449
Level3	Back Side 15mm	0.705	0.092	0.797

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 1.051 W/Kg < 1.6kg, 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
Test Software	Speag	DASY4	V4.7 Build 80	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1201	2020/11/11	2023/11/10
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2021/05/17	2024/05/16
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2021/05/17	2024/05/16
1900MHz Validation Dipole	Speag	D1900V2	SN: 5d193	2021/05/20	2024/05/19
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2021/05/19	2024/05/18
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2021/05/19	2024/05/18
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2021/05/18	2024/05/17
E-Field Probe	Speag	EX3DV4	SN: 3717	2021/06/07	2022/06/06
E-Field Probe	Speag	EX3DV4	SN: 7607	2021/08/12	2022/08/11
E-Field Probe	Speag	EX3DV4	SN: 7663	2021/07/23	2022/07/22
Data Acquisition Electronics	Speag	DAE4	SN: 1454	2021/11/05	2022/11/04
Data Acquisition Electronics	Speag	DAE4	SN: 1226	2021/05/17	2022/05/16
Data Acquisition Electronics	Speag	DAE4	SN: 878	2021/07/15	2022/07/14
Signal Generator	R&S	SMB100A	182396	2021/12/20	2022/12/19
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2021/09/08	2022/09/07
Power Sensor	R&S	NRV-Z4	100381	2021/09/08	2022/09/07
Power Sensor	R&S	NRV-Z2	100211	2021/09/08	2022/09/07
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2021/03/16	2022/03/15
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2021/03/16	2022/03/15
Network Analyzer	Agilent	E5071B	MY42404001	2021/04/01	2022/03/31
Thermometer	Elitech	RC-4HC	EF720B004820	2021/12/01	2022/11/30
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	SATIMO	SCLMP	SN 25/13 OCPG56	N/A	N/A
Phantom1(DASY5)	Speag	SAM	SN: 1859	N/A	N/A
Phantom2(DASY5)	Speag	SAM	SN: 1857	N/A	N/A
Phantom3(DASY4)	Speag	SAM	SN: 1392	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

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

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

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

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

Head Liquid

Date	Phantom	Liquid Type	Fre. (MHz)	Temp. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2022.01.05	DASY5	Head	750	21.5	0.90	43.25	0.89	41.94	1.12	3.12
2022.01.06	DASY5	Head	835	21.5	0.91	41.92	0.90	41.50	1.11	1.01
2022.01.07	DASY5	Head	835	21.2	0.90	41.33	0.90	41.50	0.00	-0.41
2022.01.08	DASY5	Head	835	21.3	0.88	41.94	0.90	41.50	-2.22	1.06
2021.12.17	DASY5	Head	835	21.4	0.88	41.28	0.90	41.50	-2.22	-0.53
2021.12.20	DASY5	Head	835	21.1	0.92	40.66	0.90	41.50	2.22	-2.02
2021.12.26	DASY5	Head	1750	21.3	1.34	40.12	1.37	40.08	-2.19	0.10
2021.12.27	DASY5	Head	1750	21.8	1.38	40.57	1.37	40.08	0.73	1.22
2021.12.29	DASY5	Head	1900	21.4	1.36	41.33	1.40	40.00	-2.86	3.33
2022.01.01	DASY5	Head	1900	21.4	1.40	39.72	1.40	40.00	0.00	-0.70
2022.01.16	DASY5	Head	2450	21.3	1.78	38.96	1.80	39.20	-1.11	-0.61
2021.12.19	DASY5	Head	2600	21.3	1.92	38.54	1.96	39.01	-2.04	-1.20
2021.12.20	DASY5	Head	2600	21.4	1.95	38.42	1.96	39.01	-0.51	-1.51
2021.12.21	DASY5	Head	2600	21.4	1.94	37.89	1.96	39.01	-1.02	-2.87
2021.12.22	DASY5	Head	2600	21.9	2.00	38.18	1.96	39.01	2.04	-2.13
2021.12.24	DASY5	Head	2600	21.8	1.99	38.61	1.96	39.01	1.53	-1.03
2021.12.25	DASY5	Head	2600	21.6	1.96	39.01	1.96	39.01	0.00	0.00
2021.12.27	DASY5	Head	2600	21.2	2.01	38.32	1.96	39.01	2.55	-1.77
2021.12.28	DASY5	Head	2600	20.9	1.91	38.23	1.96	39.01	-2.55	-2.00
2021.12.29	DASY5	Head	2600	21.6	1.92	38.68	1.96	39.01	-2.04	-0.85
2021.12.30	DASY5	Head	2600	21.5	2.01	39.12	1.96	39.01	2.55	0.28
2021.12.31	DASY5	Head	2600	21.4	1.93	38.07	1.96	39.01	-1.53	-2.41
2022.01.01	DASY5	Head	2600	21.2	1.99	39.45	1.96	39.01	1.53	1.13
2022.01.10	DASY4	Head	5250	21.1	4.73	35.96	4.71	35.93	0.42	0.08
2022.01.11	DASY4	Head	5600	21.2	5.03	35.04	5.07	35.53	-0.79	-1.38
2022.01.13	DASY4	Head	5750	21.3	5.17	35.63	5.22	35.36	-0.96	0.76
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 its specification of 10 %(for 1 g).

Head liquid 1g

Date	Phantom	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2022.01.05	DASY5	Head	750	100	0.815	8.15	8.29	-1.69
2022.01.06	DASY5	Head	835	100	0.968	9.68	9.76	-0.82
2022.01.07	DASY5	Head	835	100	0.995	9.95	9.76	1.95
2022.01.08	DASY5	Head	835	100	0.982	9.82	9.76	0.61
2021.12.17	DASY5	Head	835	100	0.958	9.58	9.76	-1.84
2021.12.20	DASY5	Head	835	100	0.958	9.58	9.76	-1.84
2021.12.26	DASY5	Head	1750	100	3.570	35.70	36.70	-2.72
2021.12.27	DASY5	Head	1750	100	3.810	38.10	36.70	3.81
2021.12.29	DASY5	Head	1900	100	4.030	40.30	40.30	0.00
2022.01.01	DASY5	Head	1900	100	4.080	40.80	40.30	1.24
2022.01.16	DASY5	Head	2450	100	5.490	54.90	53.00	3.58
2021.12.19	DASY5	Head	2600	100	5.530	55.30	56.80	-2.64
2021.12.20	DASY5	Head	2600	100	5.880	58.80	56.80	3.52
2021.12.21	DASY5	Head	2600	100	5.730	57.30	56.80	0.88
2021.12.22	DASY5	Head	2600	100	5.770	57.70	56.80	1.58
2021.12.24	DASY5	Head	2600	100	5.690	56.90	56.80	0.18
2021.12.25	DASY5	Head	2600	100	5.440	54.40	56.80	-4.23
2021.12.27	DASY5	Head	2600	100	5.390	53.90	56.80	-5.11
2021.12.28	DASY5	Head	2600	100	5.460	54.60	56.80	-3.87
2021.12.29	DASY5	Head	2600	100	5.680	56.80	56.80	0.00
2021.12.30	DASY5	Head	2600	100	5.480	54.80	56.80	-3.52
2021.12.31	DASY5	Head	2600	100	5.510	55.10	56.80	-2.99
2022.01.01	DASY5	Head	2600	100	5.650	56.50	56.80	-0.53
2022.01.10	DASY4	Head	5250	100	7.480	74.80	77.80	-3.86
2022.01.11	DASY4	Head	5600	100	8.410	84.10	81.20	3.57
2022.01.13	DASY4	Head	5750	100	7.610	76.10	77.20	-1.42
Note: The tolerance limit of System validation ±10%.								

Head liquid 10g

Date	Phantom	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2022.01.10	DASY4	Head	5250	100	2.110	21.10	22.10	-4.52
2022.01.11	DASY4	Head	5600	100	2.370	23.70	23.10	2.60
Note: The tolerance limit of System validation ±10%.								

System Performance Check Data (750MHz)

Date: 2022.01.05

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.9 S/m; ε_r = 43.254; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.843 W/kg

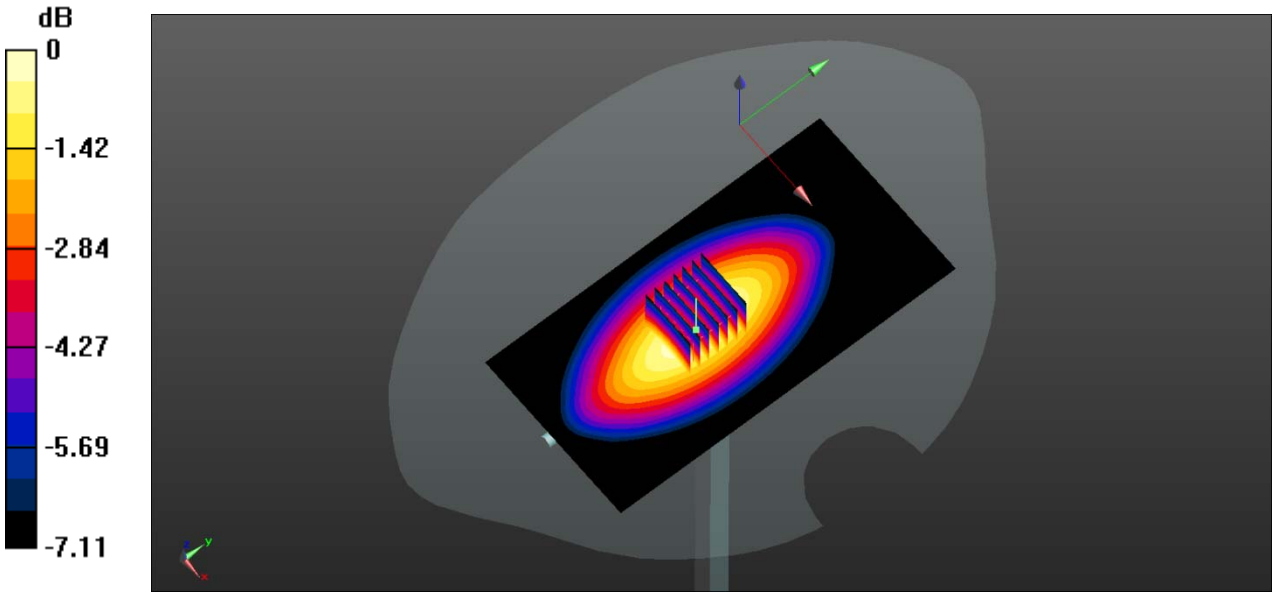
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.421 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.815 W/kg; SAR(10 g) = 0.526 W/kg

Maximum value of SAR (measured) = 0.848 W/kg



0 dB = 0.848 W/kg

System Performance Check Data (835MHz)

Date: 2022.01.06

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

Medium parameters used: f = 835 MHz; σ = 0.906 S/m; ε_r = 41.924; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

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

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

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

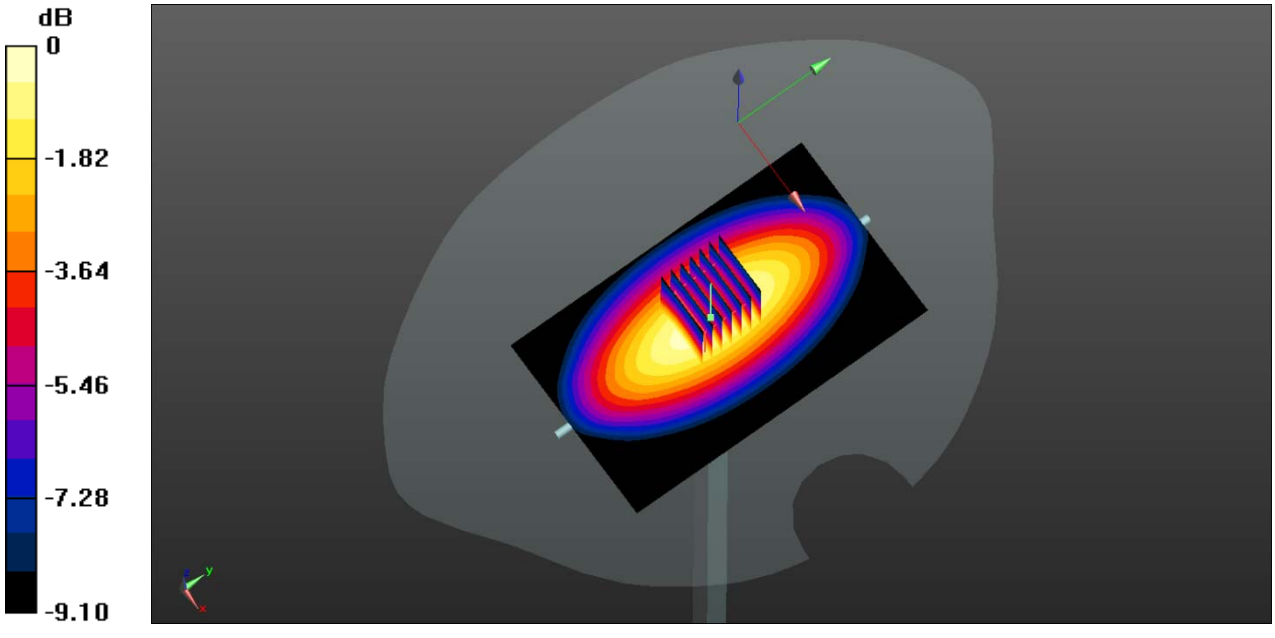
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.23 W/kg

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

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



0 dB = 1.11 W/kg

System Performance Check Data (835MHz)

Date: 2022.01.07

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

Medium parameters used: f = 835 MHz; σ = 0.9 S/m; ε_r = 41.328; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

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

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

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

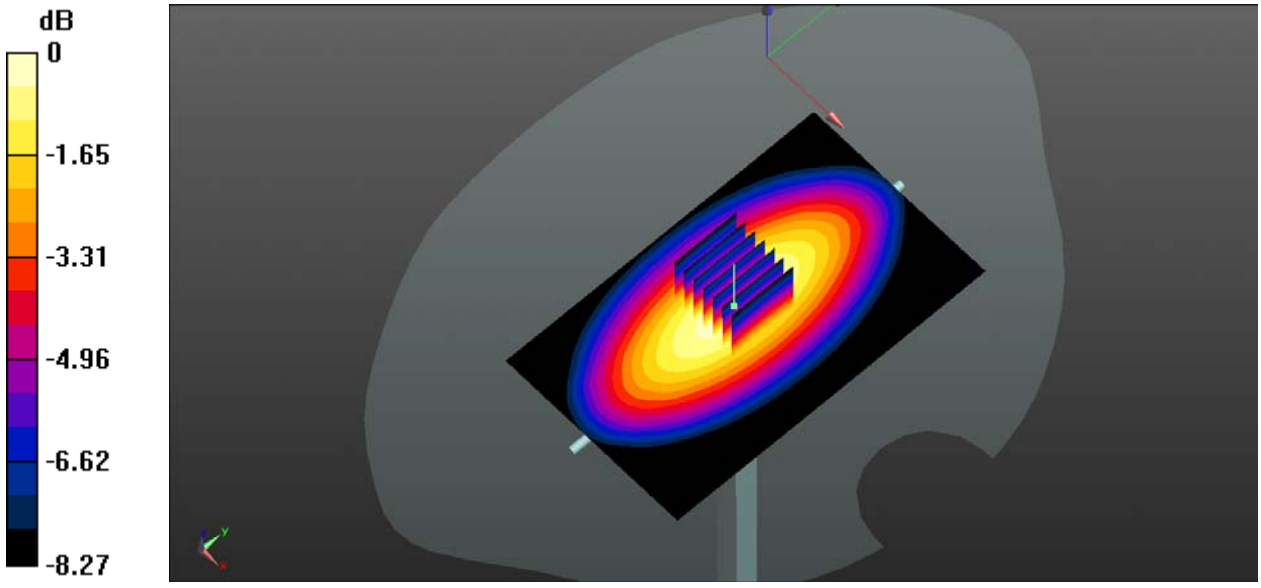
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.31 W/kg

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

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



0 dB = 0.987 W/kg

System Performance Check Data (835MHz)

Date: 2022.01.08

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

Medium parameters used: f = 835 MHz; σ = 0.878 S/m; ε_r = 41.939; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.993 W/kg

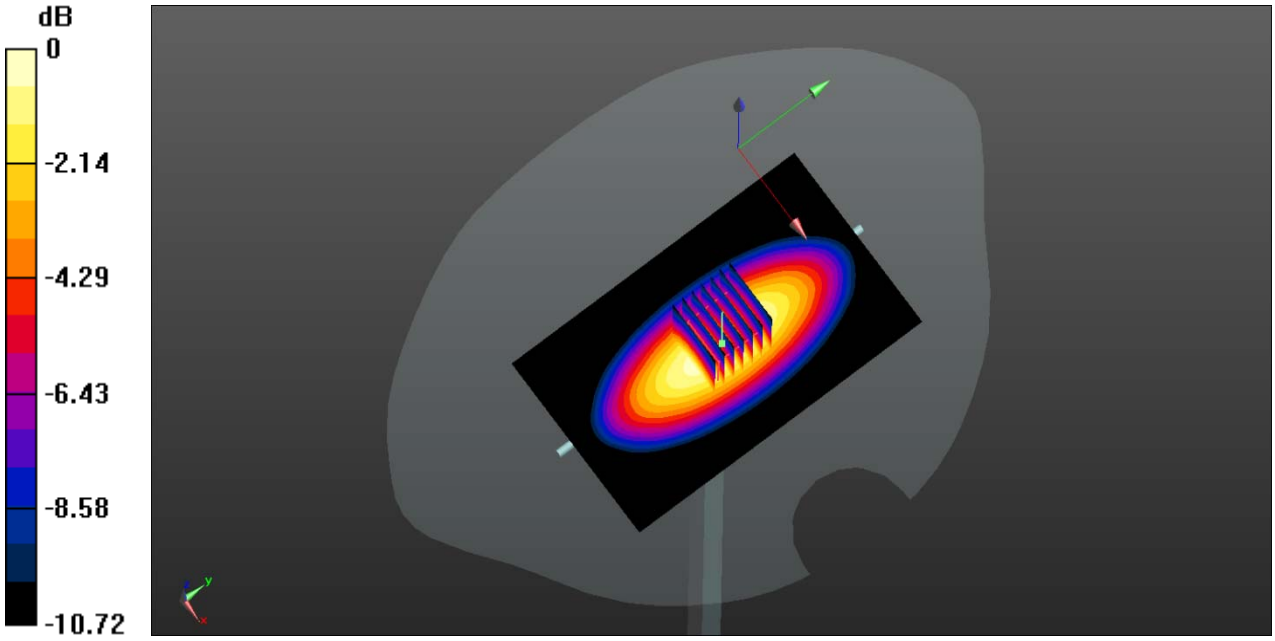
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.03 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.982 W/kg; SAR(10 g) = 0.638 W/kg

Maximum value of SAR (measured) = 0.998 W/kg



0 dB = 0.998 W/kg

System Performance Check Data (835MHz)

Date: 2021.12.17

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

Medium parameters used: f = 835 MHz; σ = 0.877 S/m; ε_r = 41.276; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.992 W/kg

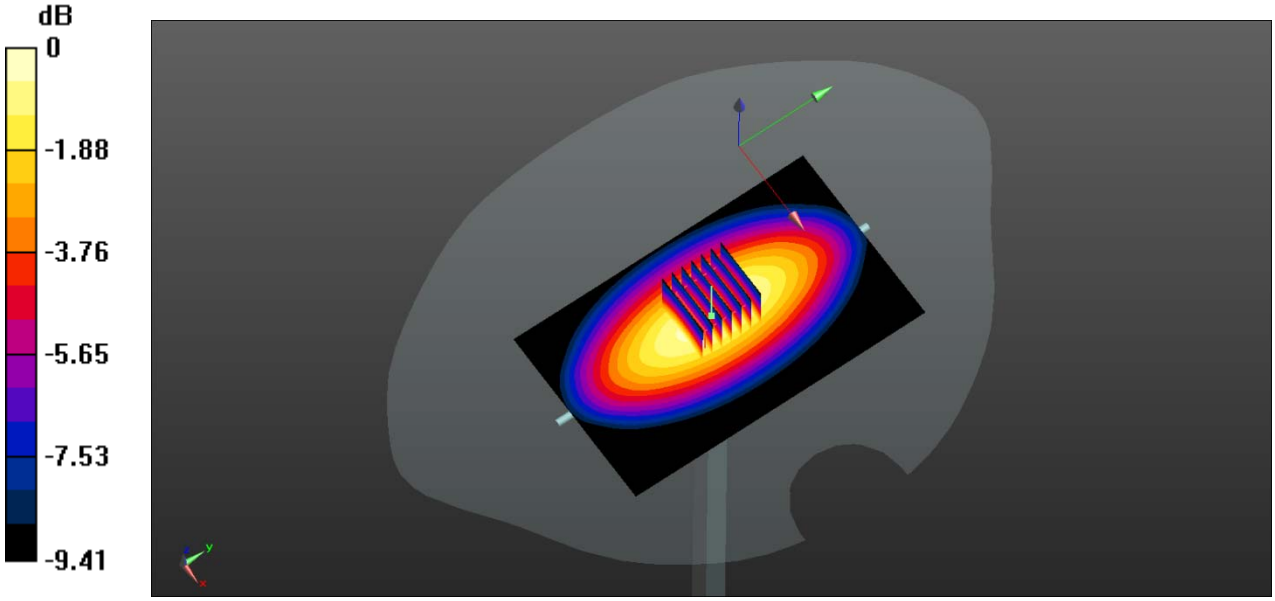
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.58 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.621 W/kg

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



0 dB = 1.05 W/kg

System Performance Check Data (835MHz)

Date: 2021.12.20

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

Medium parameters used: f = 835 MHz; σ = 0.923 S/m; ε_r = 40.656; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.992 W/kg

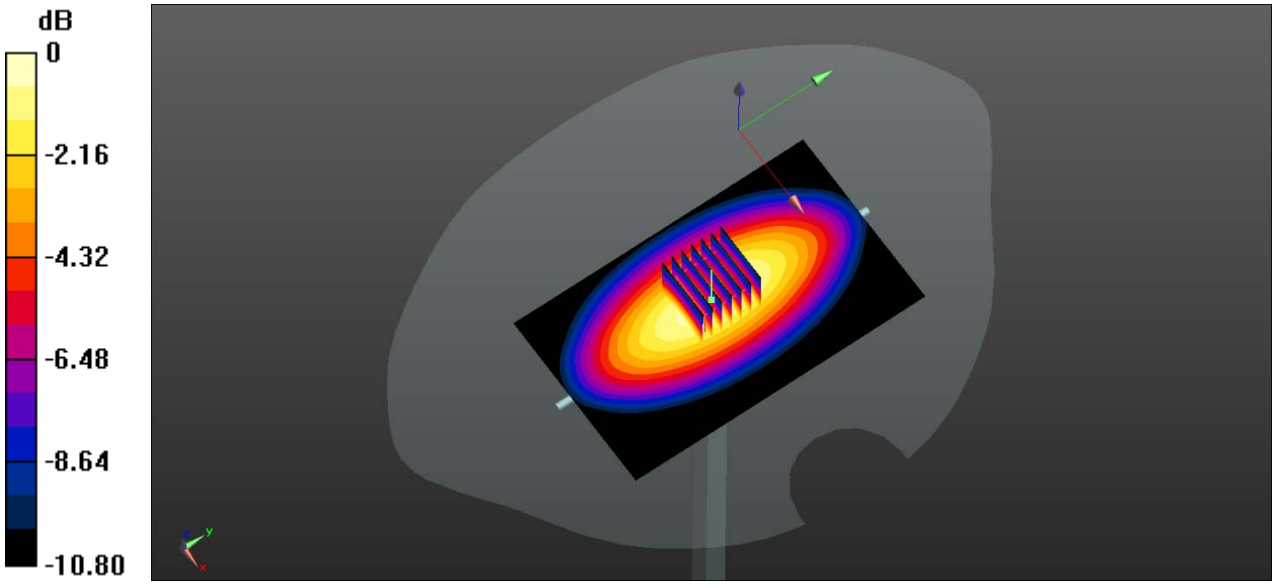
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.58 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.621 W/kg

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



0 dB = 1.05 W/kg

System Performance Check Data (1750MHz)

Date: 2021.12.26

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

Medium parameters used: f = 1750 MHz; σ = 1.335 S/m; ε_r = 40.123; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 4.03 W/kg

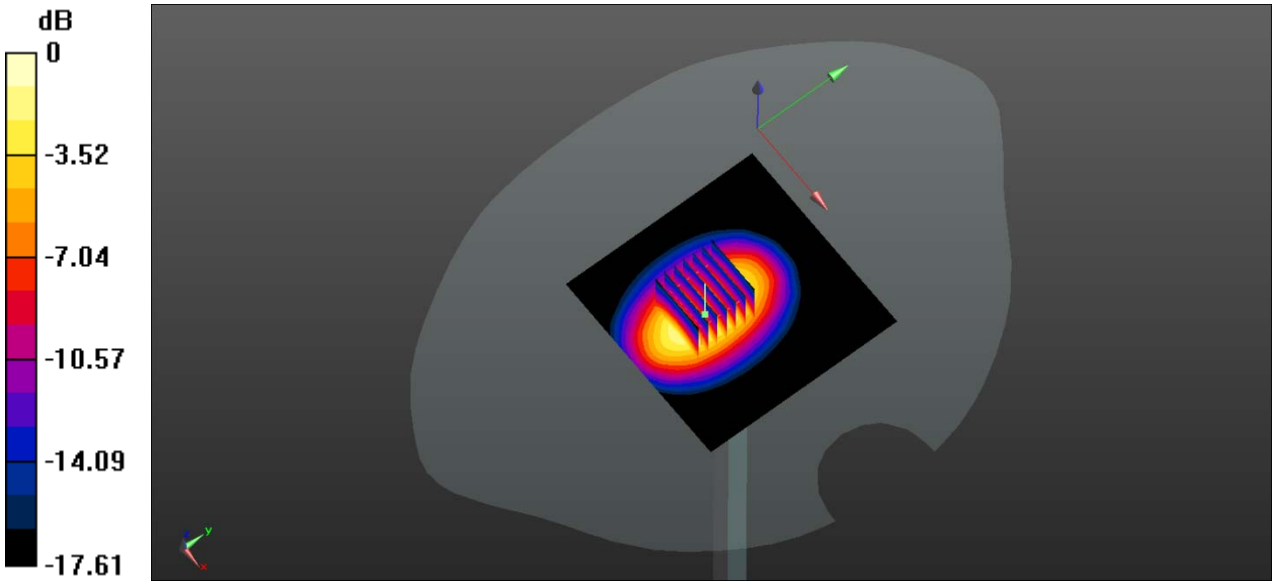
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.41 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 6.75 W/kg

SAR(1 g) = 3.57 W/kg; SAR(10 g) = 1.85 W/kg

Maximum value of SAR (measured) = 4.01 W/kg



0 dB = 4.01 W/kg

System Performance Check Data (1750MHz)

Date: 2021.12.27

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

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.375 S/m; ε_r = 40.565; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

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

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

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

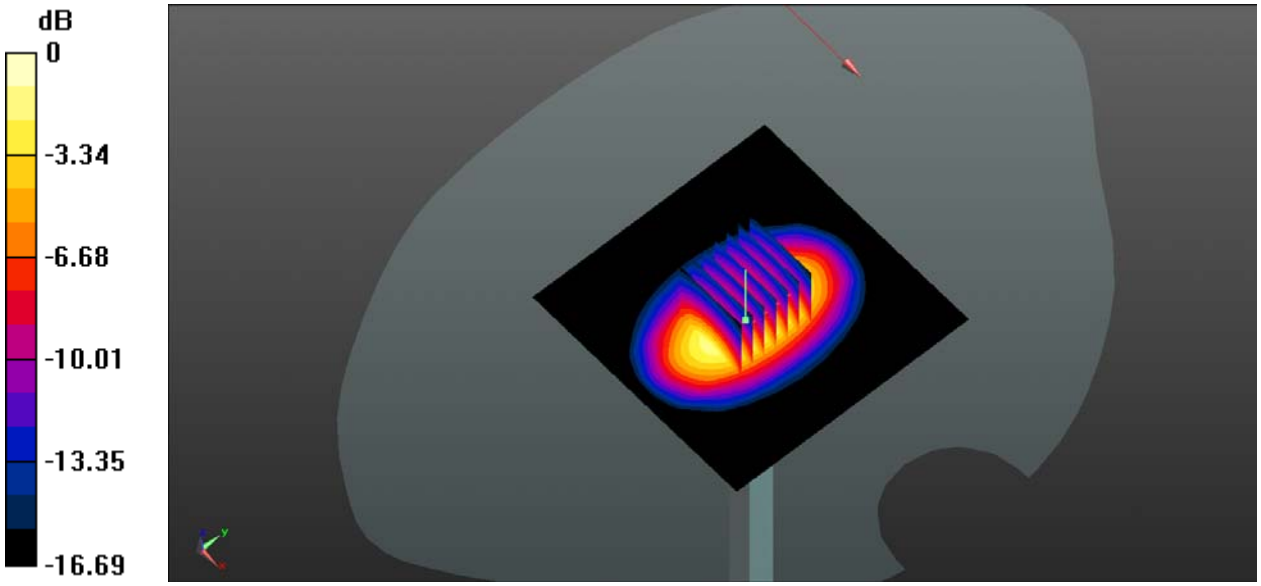
CW1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 7.04 W/kg

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

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



0 dB = 4.30 W/kg

System Performance Check Data (1900MHz)

Date: 2021.12.29

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

Medium parameters used (interpolated): f = 1900 MHz; σ = 1.36 S/m; ε_r = 41.329; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.6

ASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

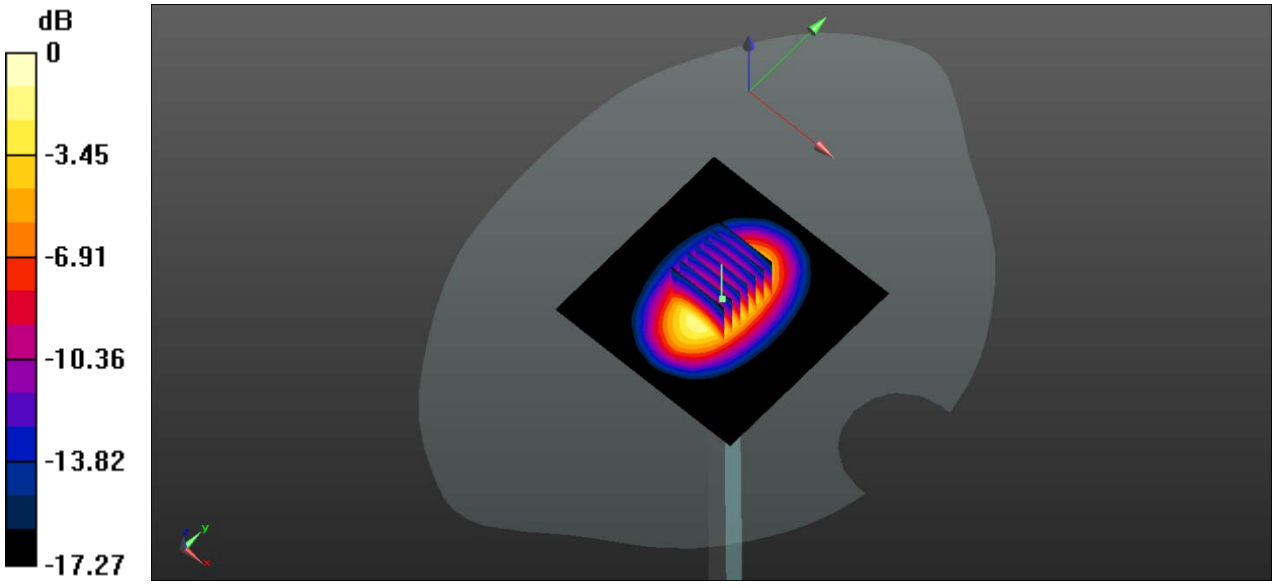
CW1900 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 7.17 W/kg

SAR(1 g) = 4.03 W/kg; SAR(10 g) = 2.04 W/kg

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



0 dB = 4.54 W/kg

System Performance Check Data (1900MHz)

Date: 2022.01.01

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

Medium parameters used: f = 1900 MHz; σ =1.401 S/m; ε_r = 39.72; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

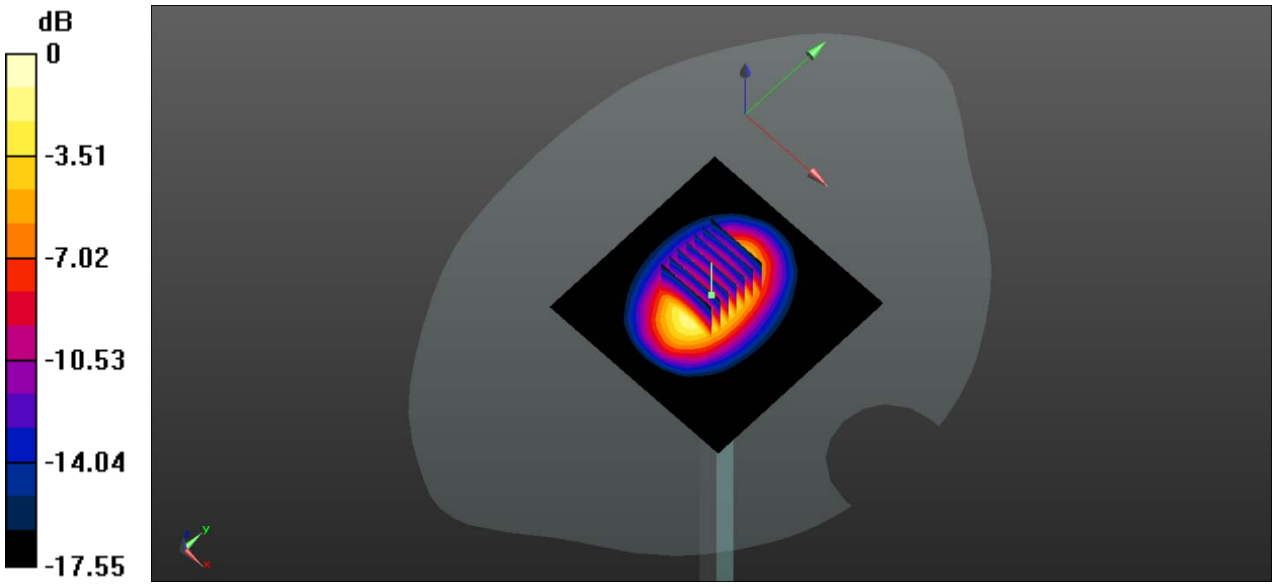
CW 1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 7.23 W/kg

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

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



0 dB = 4.84 W/kg

System Performance Check Data (2450MHz)

Date: 2022.01.16

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

Medium parameters used: f = 2450 MHz; σ = 1.78 S/m; ε_r = 38.958; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

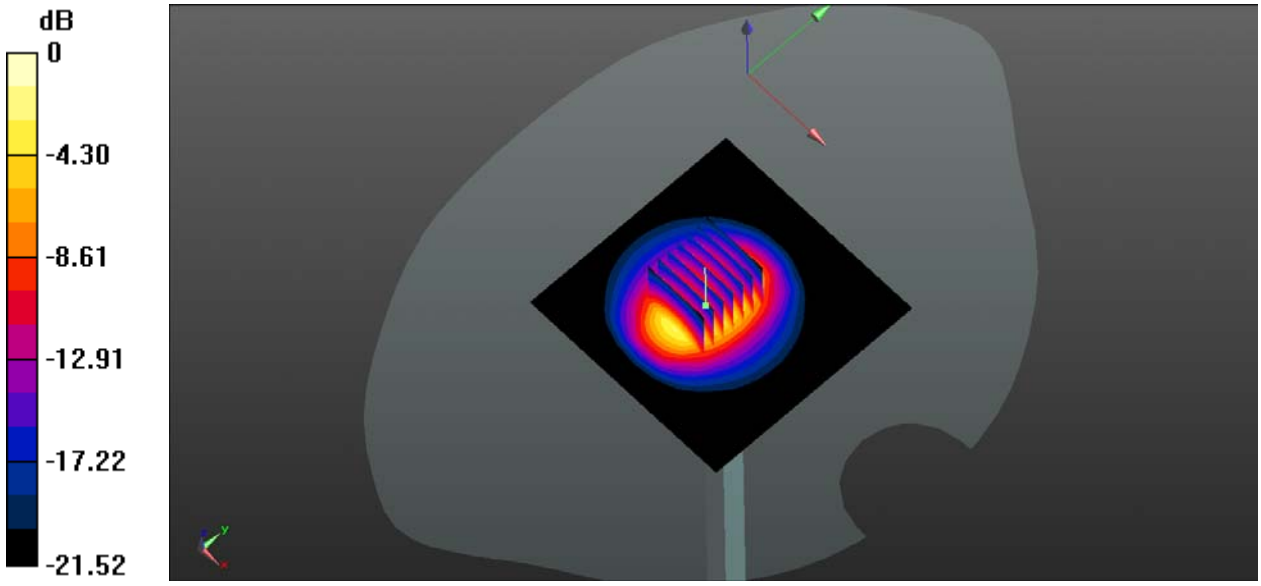
CW 2450 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.95 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 10.96 W/kg

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

Maximum value of SAR (measured) = 6.18 W/kg



0 dB = 6.18 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.19

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.924 S/m; ε_r = 38.543; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

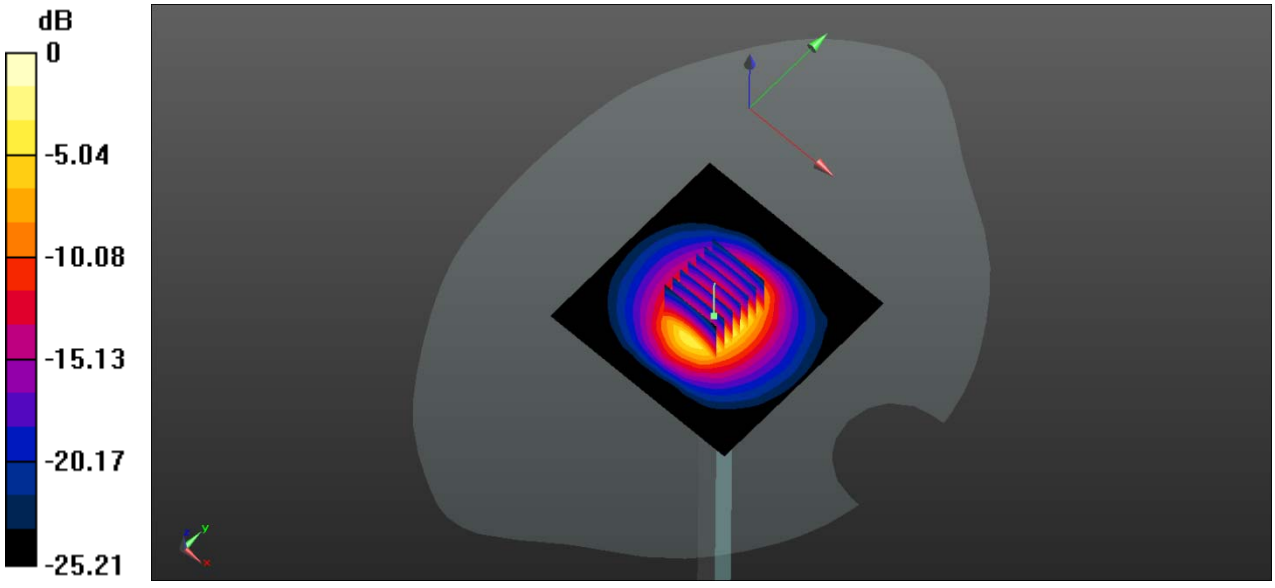
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.46 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 12.84 W/kg

SAR(1 g) = 5.53 W/kg; SAR(10 g) = 2.52 W/kg

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



0 dB = 6.32 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.20

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.952 S/m; ε_r = 38.421; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

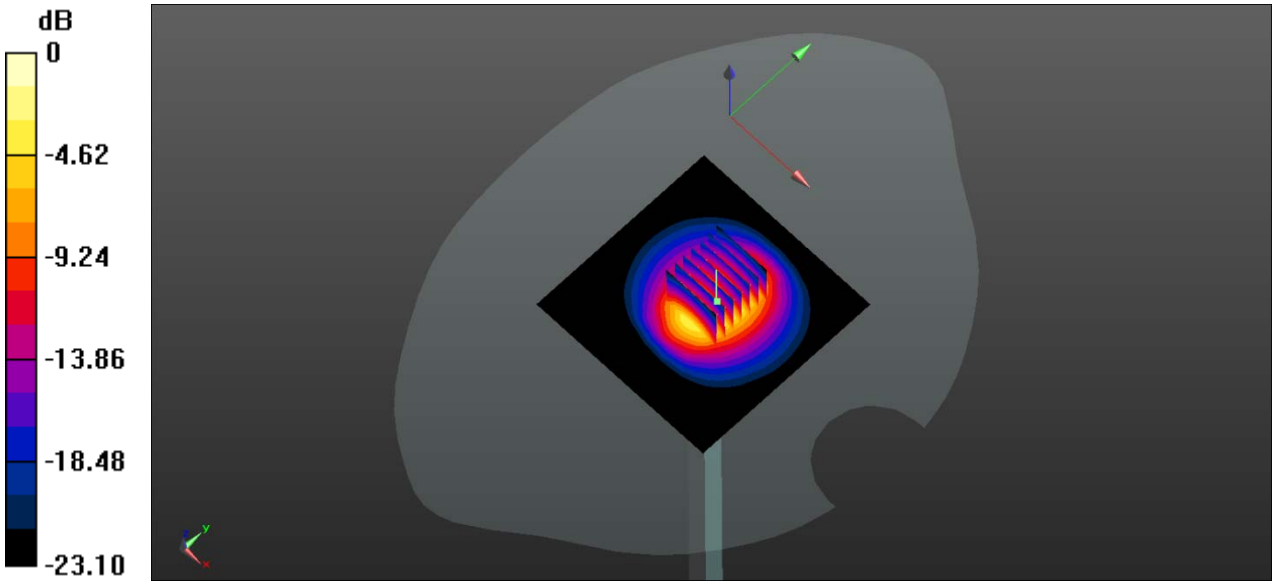
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.58 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 11.42 W/kg

SAR(1 g) = 5.88 W/kg; SAR(10 g) = 2.56 W/kg

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



0 dB = 6.41 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.21

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.944 S/m; ε_r = 37.892; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.55 W/kg

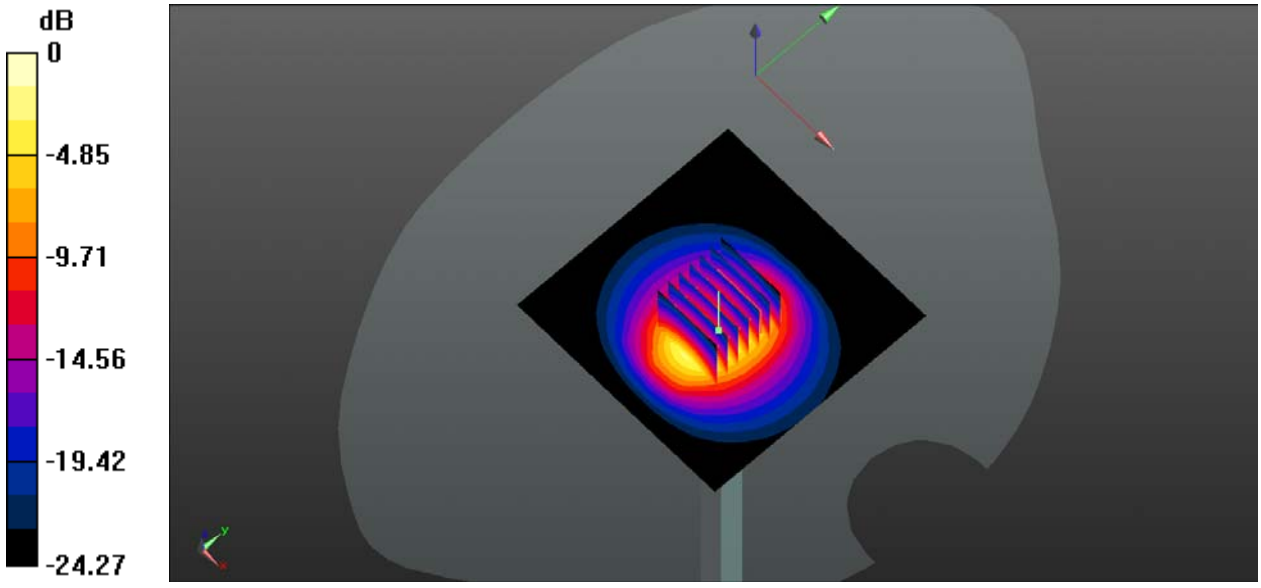
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.64 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 12.48 W/kg

SAR(1 g) = 5.73 W/kg; SAR(10 g) = 2.57 W/kg

Maximum value of SAR (measured) = 6.48 W/kg



0 dB = 6.48 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.22

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.998 S/m; ε_r = 38.18; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

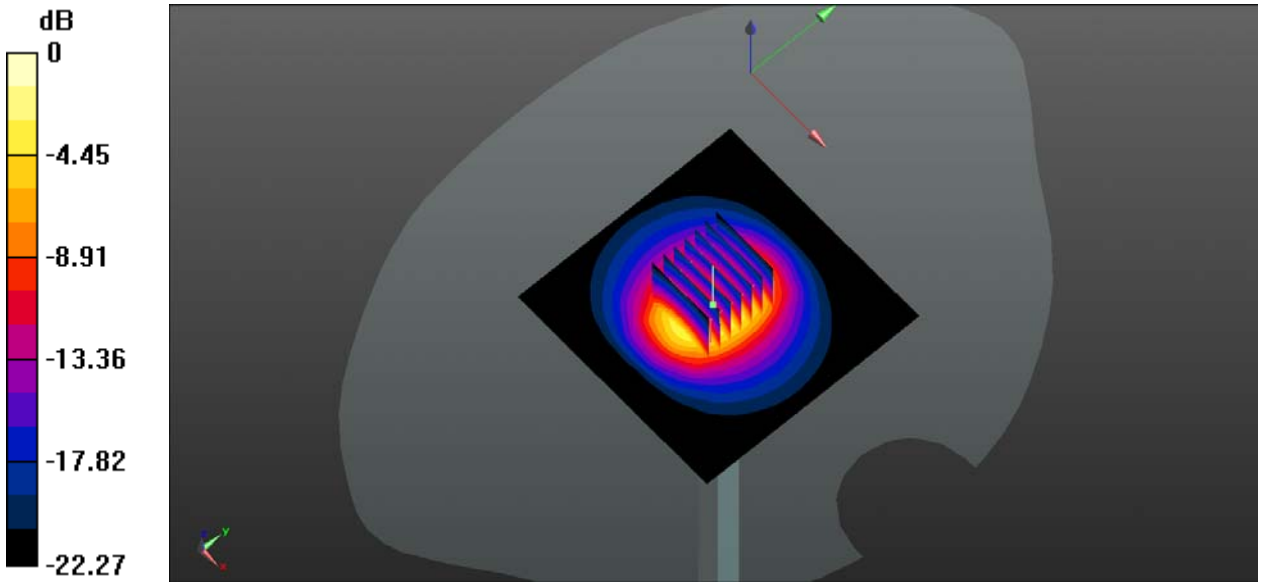
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.44 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 11.34 W/kg

SAR(1 g) = 5.77 W/kg; SAR(10 g) = 2.51 W/kg

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



0 dB = 6.51 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.24

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.988 S/m; ε_r = 39.613; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.59 W/kg

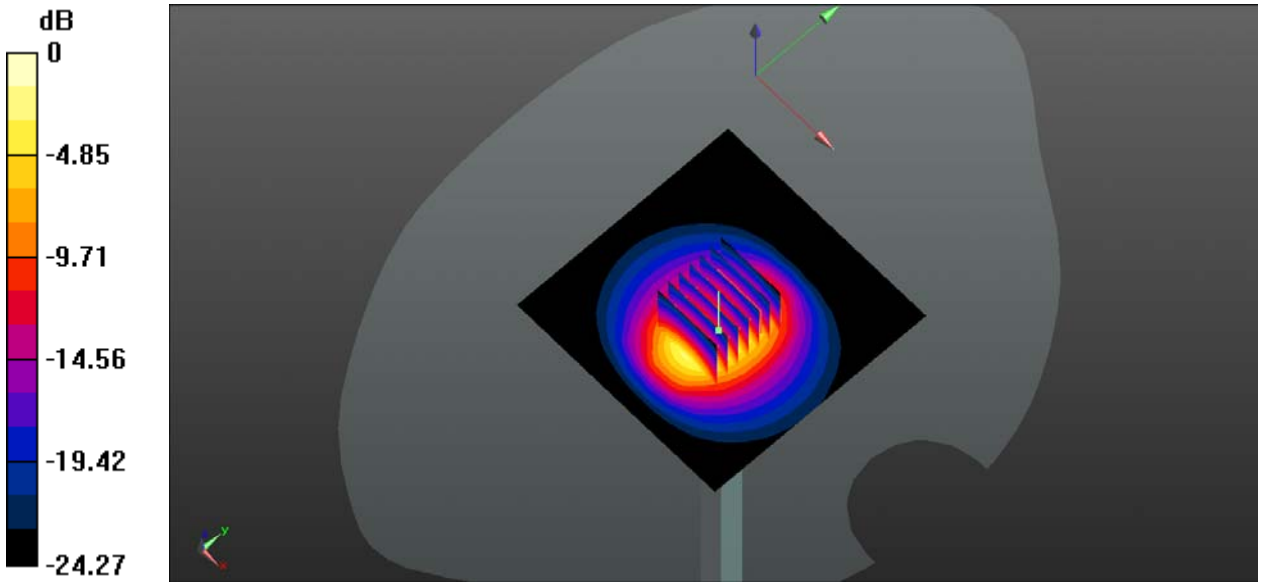
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.36 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 11.98 W/kg

SAR(1 g) = 5.69 W/kg; SAR(10 g) = 2.39W/kg

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



0 dB = 6.53W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.25

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.956 S/m; ε_r = 39.005; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.61 W/kg

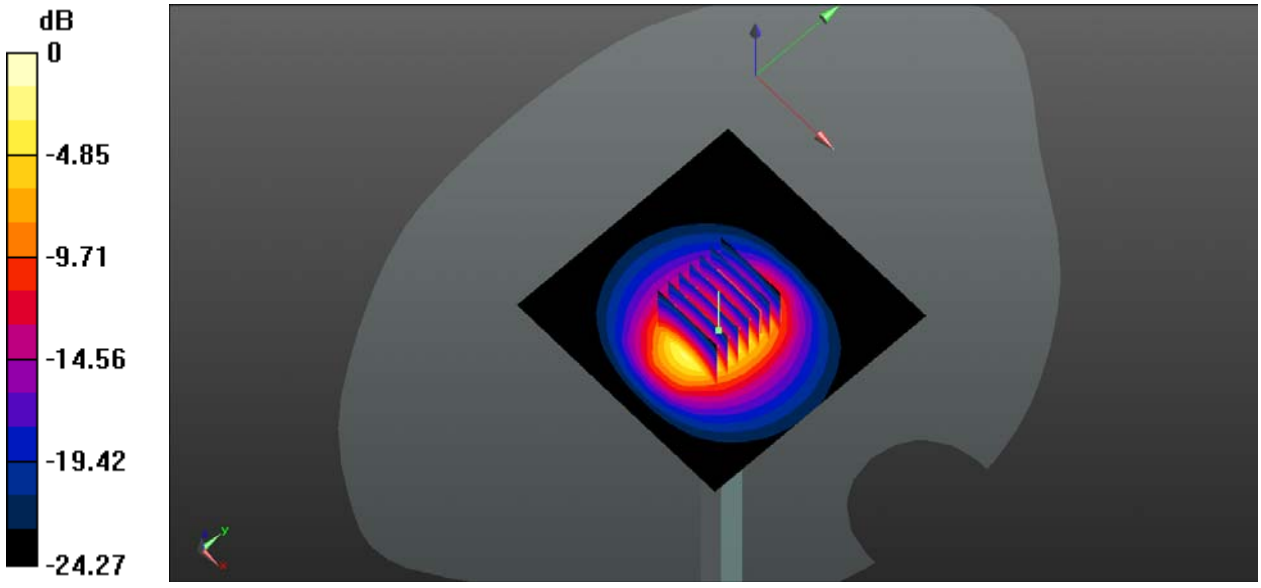
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.63 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.44 W/kg; SAR(10 g) = 2.53W/kg

Maximum value of SAR (measured) = 6.49 W/kg



0 dB = 6.49W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.27

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

Medium parameters used(interpolated): f = 2600 MHz; σ = 2.008 S/m; ε_r = 38.319; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

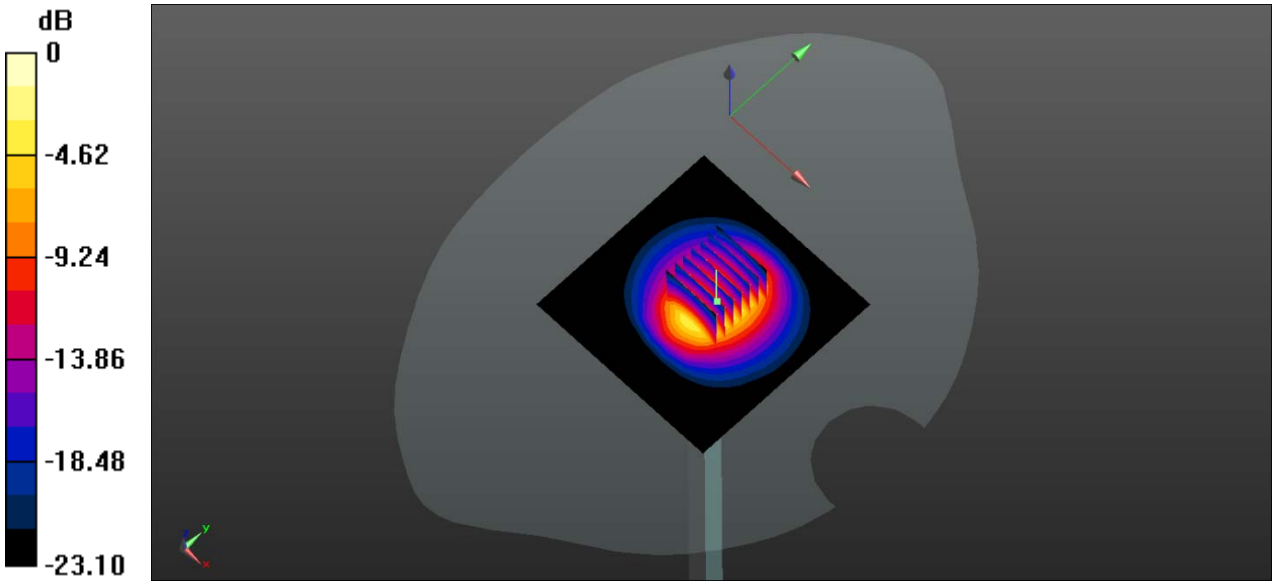
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.53 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 5.39 W/kg; SAR(10 g) = 2.43 W/kg

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



0 dB = 6.35 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.28

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

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.911 S/m; ε_r = 38.232; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:20.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

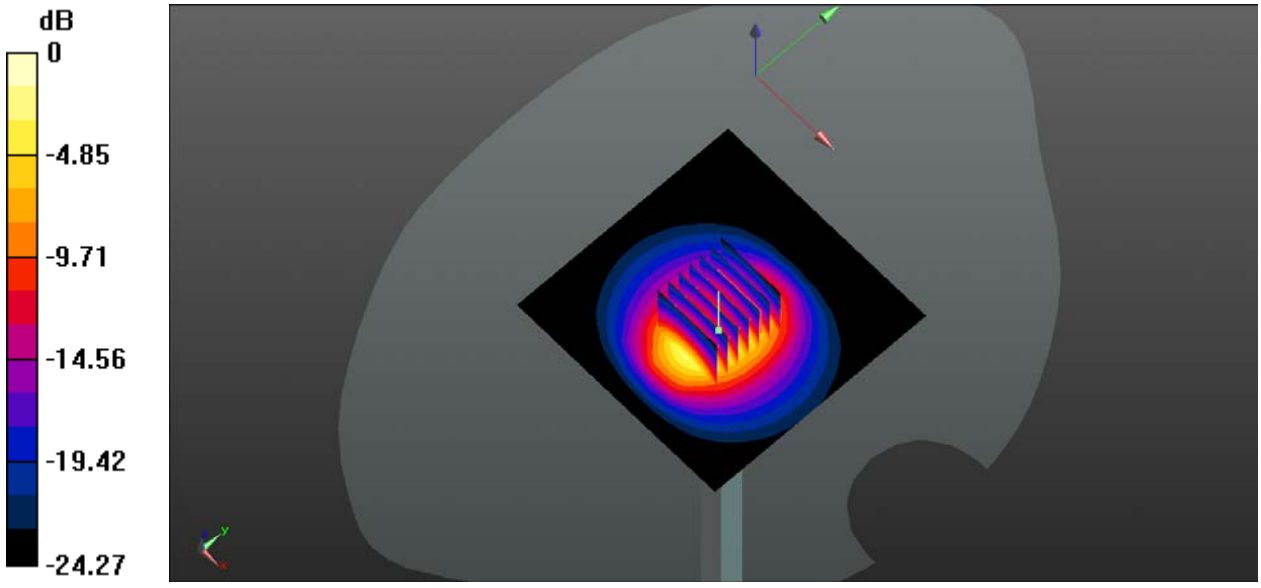
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.65 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.46 W/kg; SAR(10 g) = 2.38 W/kg

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



0 dB = 6.39 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.29

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

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.92 S/m; ε_r = 38.683; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

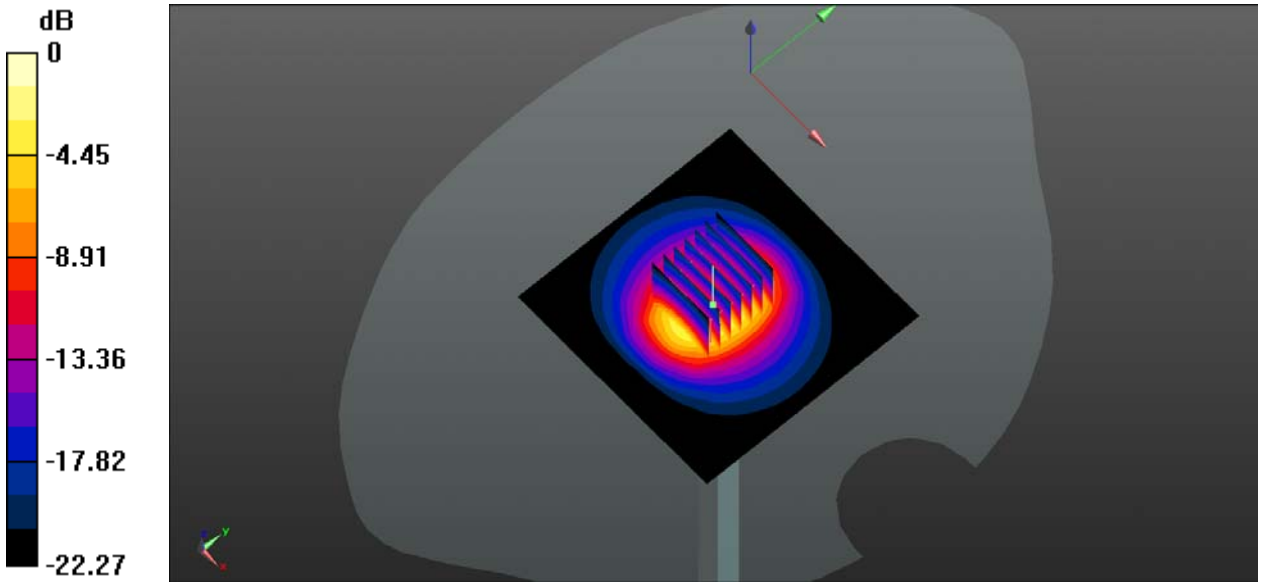
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.45 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 5.68 W/kg; SAR(10 g) = 2.45 W/kg

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



0 dB = 6.52 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.30

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

Medium parameters used: f = 2600 MHz; σ = 2.012 S/m; ε_r = 39.121; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

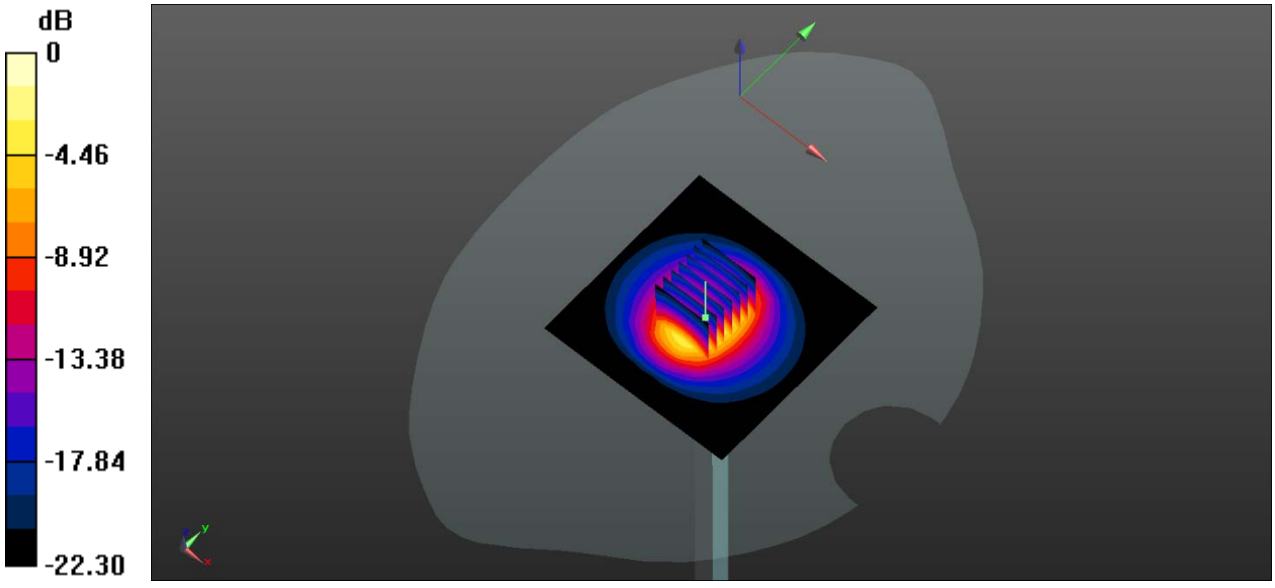
CW2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.21 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 12.6 W/kg

SAR(1 g) = 5.48 W/kg; SAR(10 g) = 2.42 W/kg

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



0 dB = 6.27 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.31

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

Medium parameters used: f = 2600 MHz; σ = 1.934 S/m; ε_r = 38.068; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

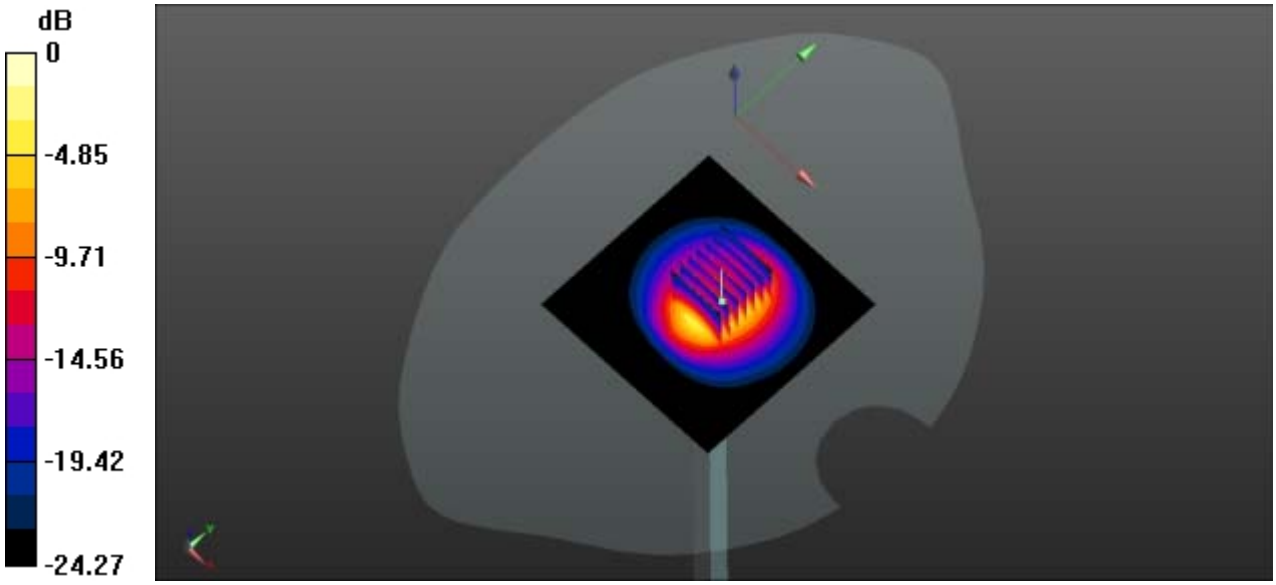
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 12.4 W/kg

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

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



0 dB = 6.33 W/kg

System Performance Check Data (2600MHz)

Date: 2022.01.01

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.988 S/m; ε_r = 39.446; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

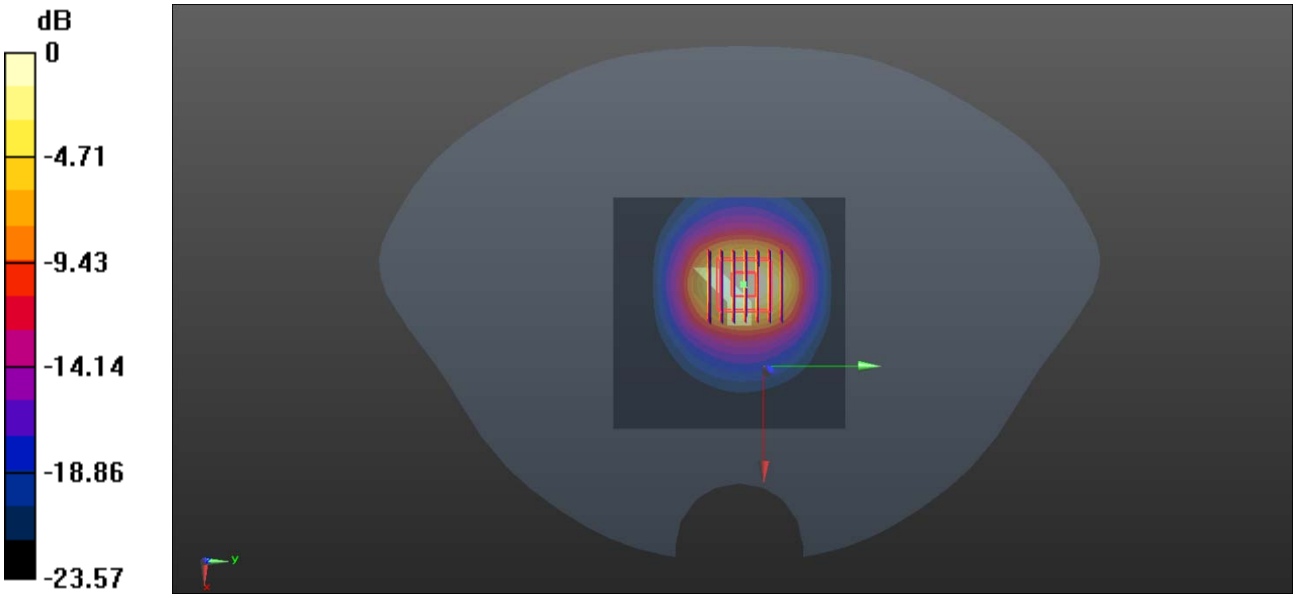
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.22 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.65 W/kg; SAR(10 g) = 2.44 W/kg

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



0 dB = 6.53 W/kg

System Performance Check Data (5250MHz)

Date: 2022.01.10

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

Medium parameters used: f = 5250 MHz; σ = 4.73 S/m; ε_r = 35.961; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 5250 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 14.1 W/kg

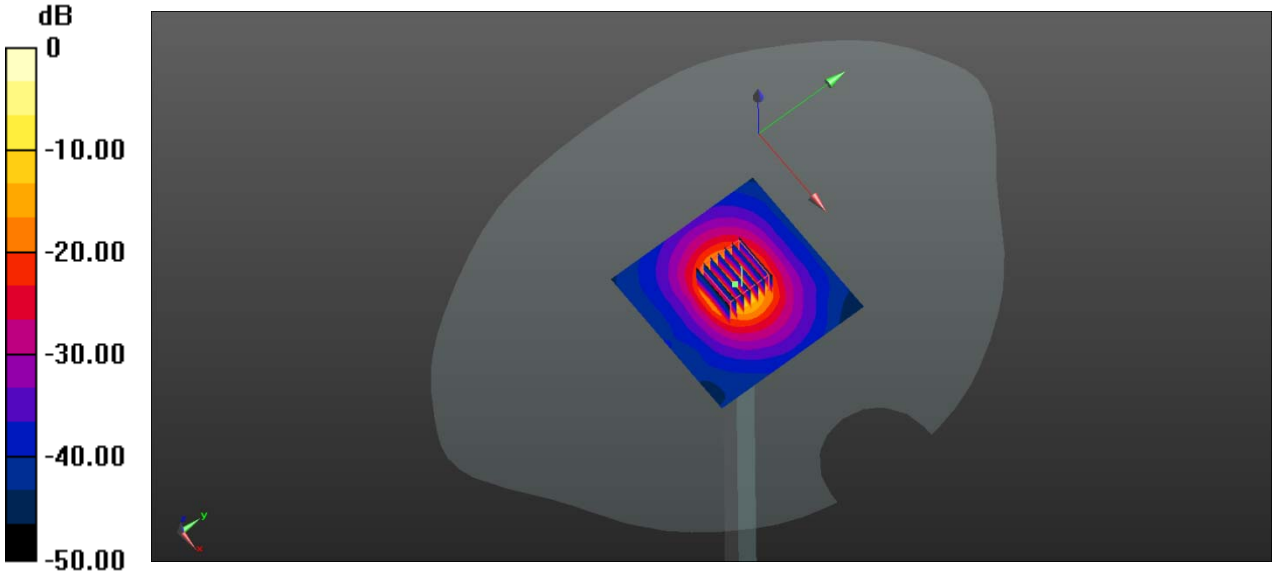
CW 5250 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 37.15 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 31.5 W/kg

SAR(1 g) = 7.48 W/kg; SAR(10 g) = 2.11 W/kg

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



0 dB = 19.1 W/kg

System Performance Check Data (5600MHz)

Date: 2022.01.11

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

Medium parameters used: f = 5600 MHz; σ = 5.034 S/m; ε_r = 35.042; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.1, 5.1, 5.1); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 9.05 W/kg

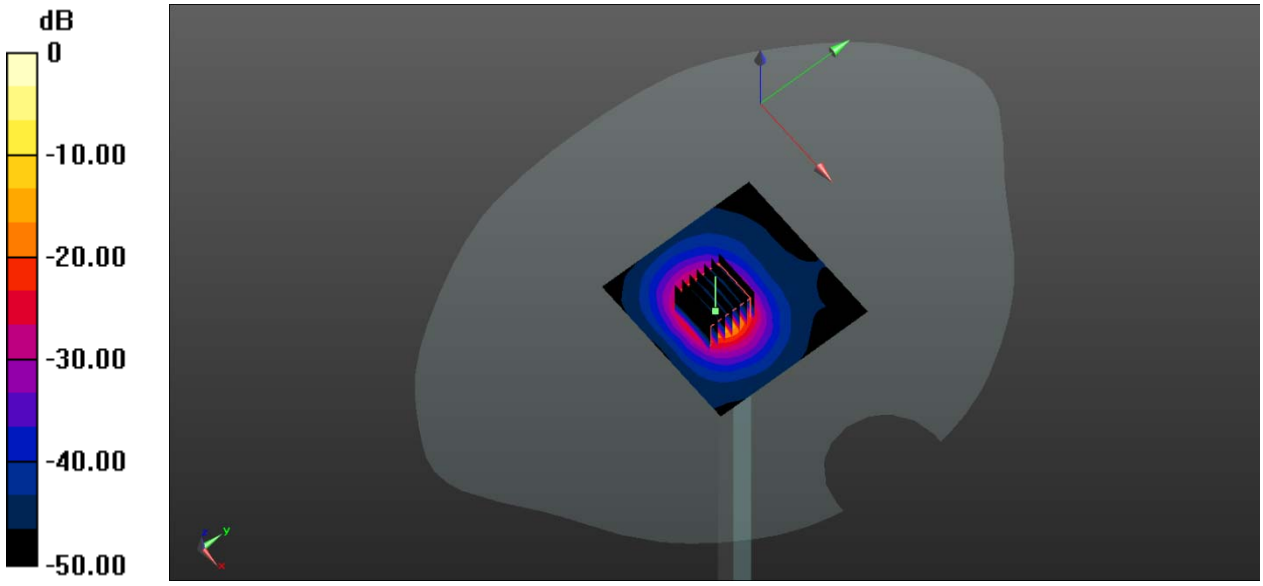
CW 5600 100mW /Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 22.23 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 37.8 W/kg

SAR(1 g) = 8.41 W/kg; SAR(10 g) = 2.37 W/kg

Maximum value of SAR (measured) = 16.9 W/kg



0 dB = 16.9 W/kg

System Performance Check Data (5750MHz)

Date: 2022.01.13

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

Medium parameters used: f = 5750 MHz; σ = 5.17 S/m; ε_r = 35.63; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.15, 5.15, 5.15); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 5800 100mW/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.35 W/kg

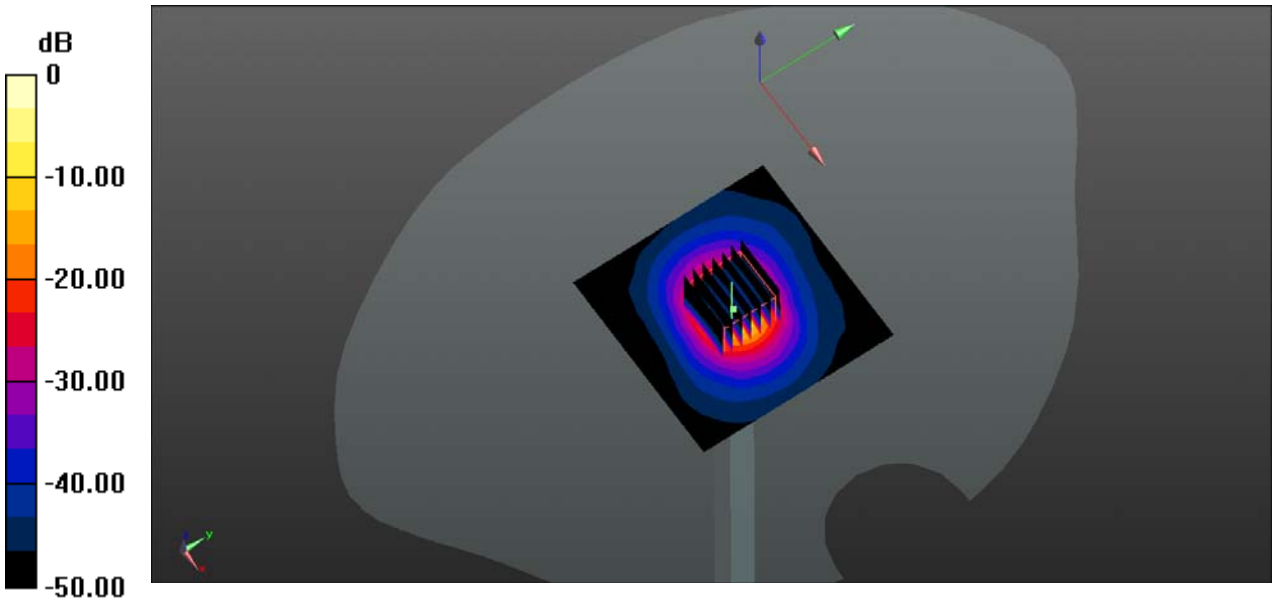
CW 5800 100mW/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 36.07 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 35.1 W/kg

SAR(1 g) = 7.61 W/kg; SAR(10 g) = 2.04 W/kg

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



0 dB = 18.9 W/kg

ANNEX C TEST DATA

1-Right Head with Cheek on High Channel in GPRS850 3Slots mode with Antenna1

Date: 2022/01/06

Communication System Band: GPRS850; Frequency: 848.8 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.929 S/m; ε_r = 41.678; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.459 W/kg

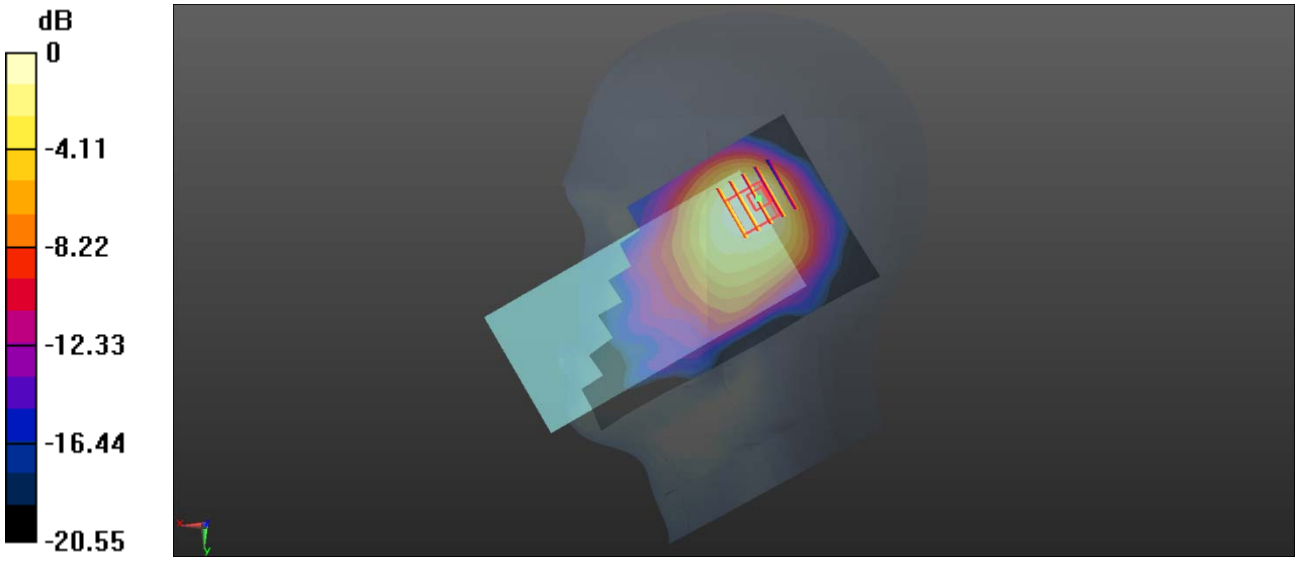
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.40 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.689 W/kg

SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.235 W/kg

Maximum value of SAR (measured) = 0.429 W/kg



0 dB = 0.429 W/kg

2-Body Plane with Back Side 15mm on Low Channel in GPRS850 3Slots mode with Antenna1

Date: 2022/01/06

Communication System Band: GPRS850; Frequency: 824.2 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.908 S/m; ε_r = 42.014; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.260 W/kg

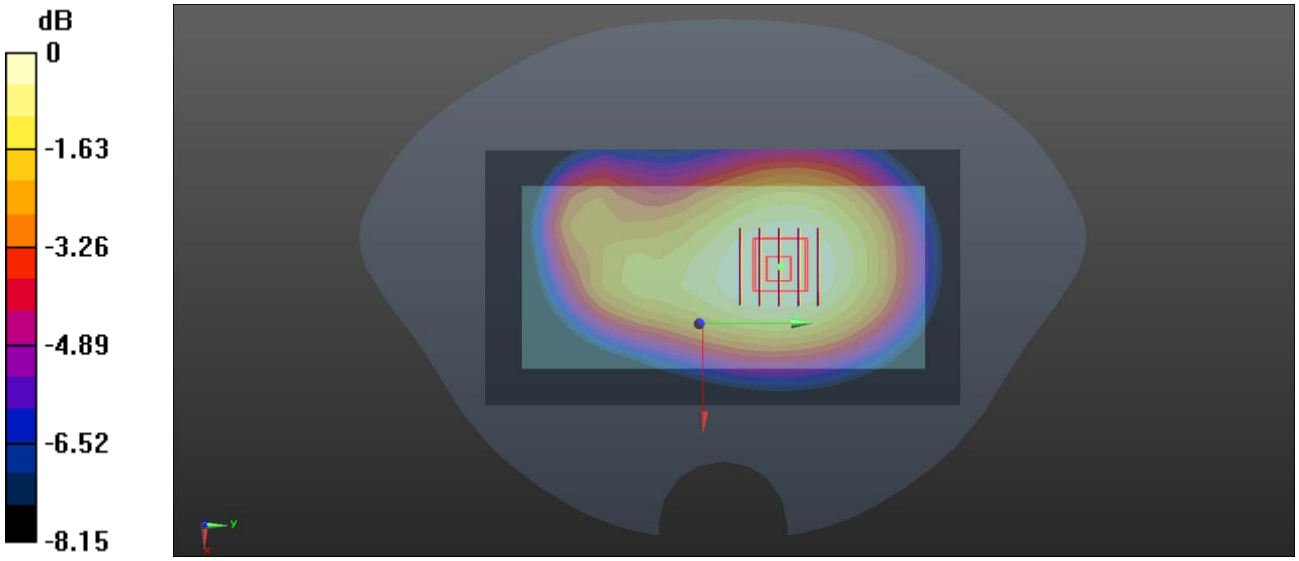
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.65 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.304 W/kg

SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.254 W/kg



0 dB = 0.254 W/kg

3-Body Plane with Back Side 10mm on Low Channel in GPRS850 3Slots mode with Antenna1

Date: 2022/01/06

Communication System Band: GPRS850; Frequency: 824.2 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.908 S/m; ε_r = 42.014; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.409 W/kg

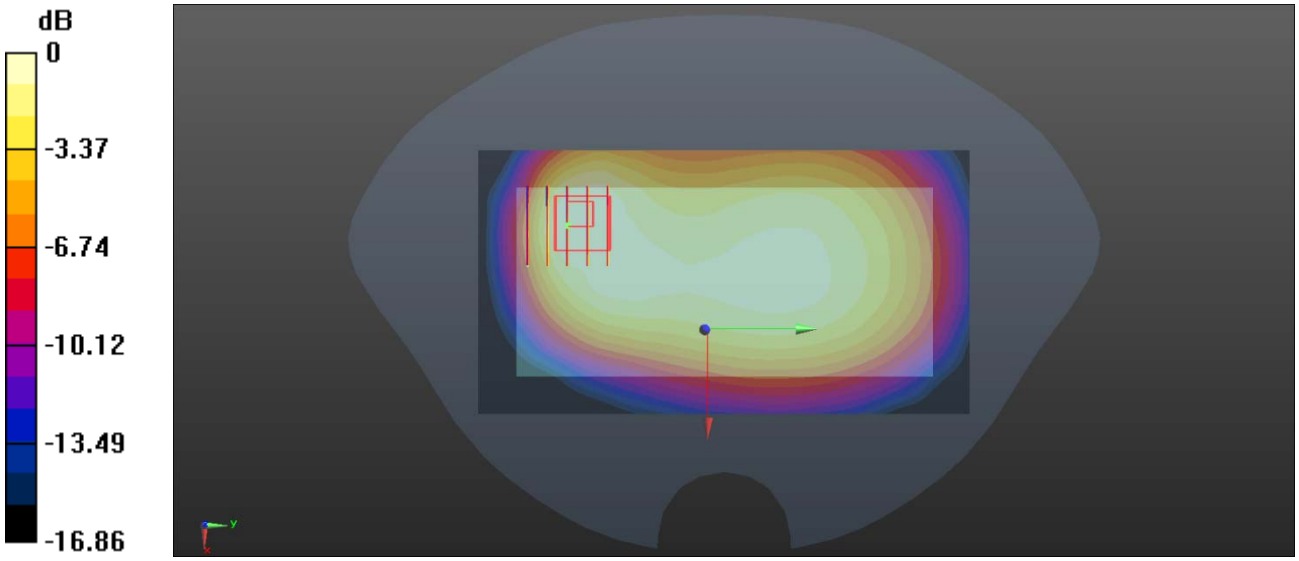
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.00 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.585 W/kg

SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.223 W/kg

Maximum value of SAR (measured) = 0.399 W/kg



0 dB = 0.399 W/kg

4-Right Head with Tilt on High Channel in GPRS1900 3Slots mode with Antenna1

Date: 2022/01/01

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

Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.402 S/m; ε_r = 39.521; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.516 W/kg

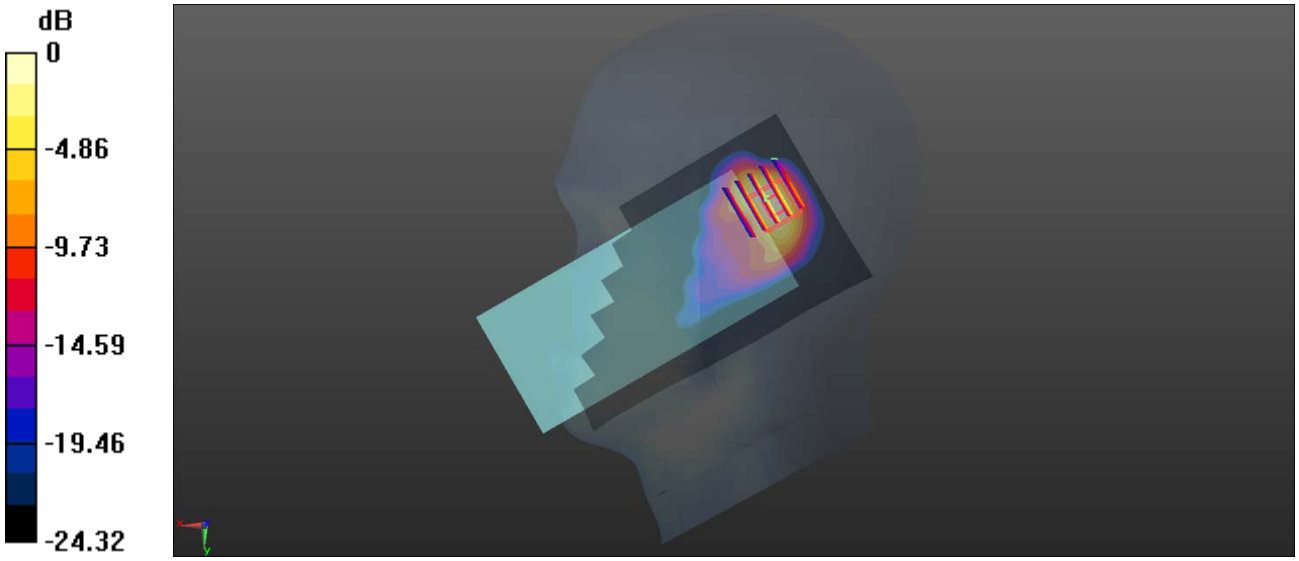
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.330 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.857 W/kg

SAR(1 g) = 0.409 W/kg; SAR(10 g) = 0.177 W/kg

Maximum value of SAR (measured) = 0.489 W/kg



0 dB = 0.489 W/kg

5-Body Plane with Back Side 15mm on High Channel in GPRS1900 3Slots mode with Antenna1

Date: 2022/01/01

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

Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.402 S/m; ε_r = 39.521; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.158 W/kg

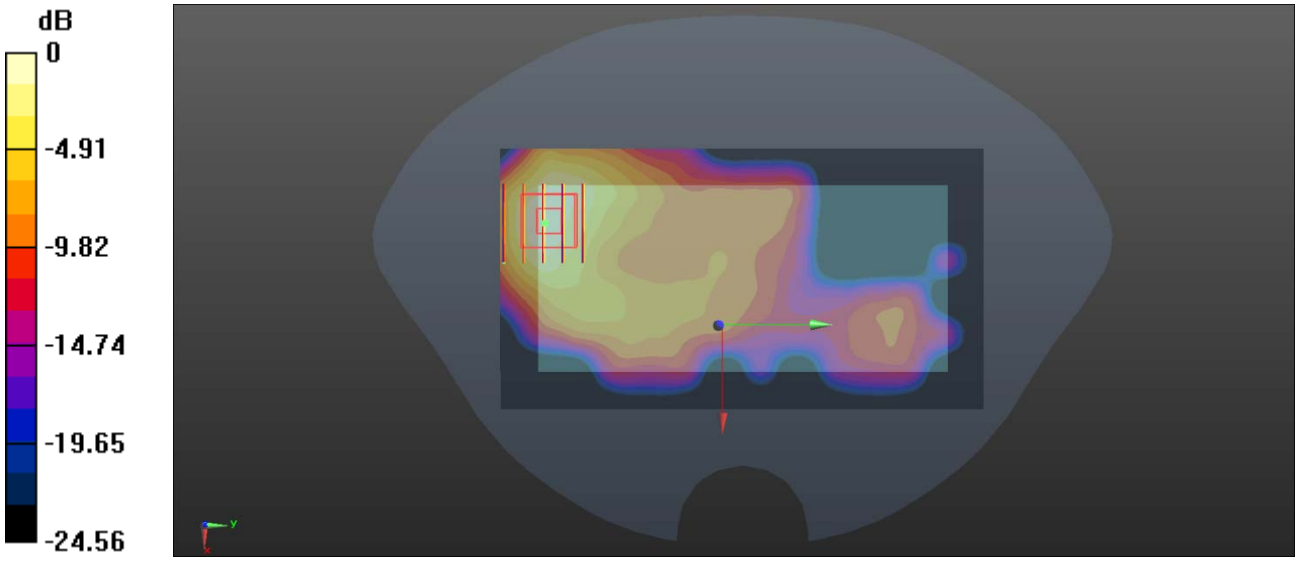
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.198 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.078 W/kg

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



0 dB = 0.159 W/kg

6-Body Plane with Top Edge 10mm on High Channel in GPRS1900 3Slots mode with Antenna1

Date: 2022/01/01

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

Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.402 S/m; ε_r = 39.521; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.502 W/kg

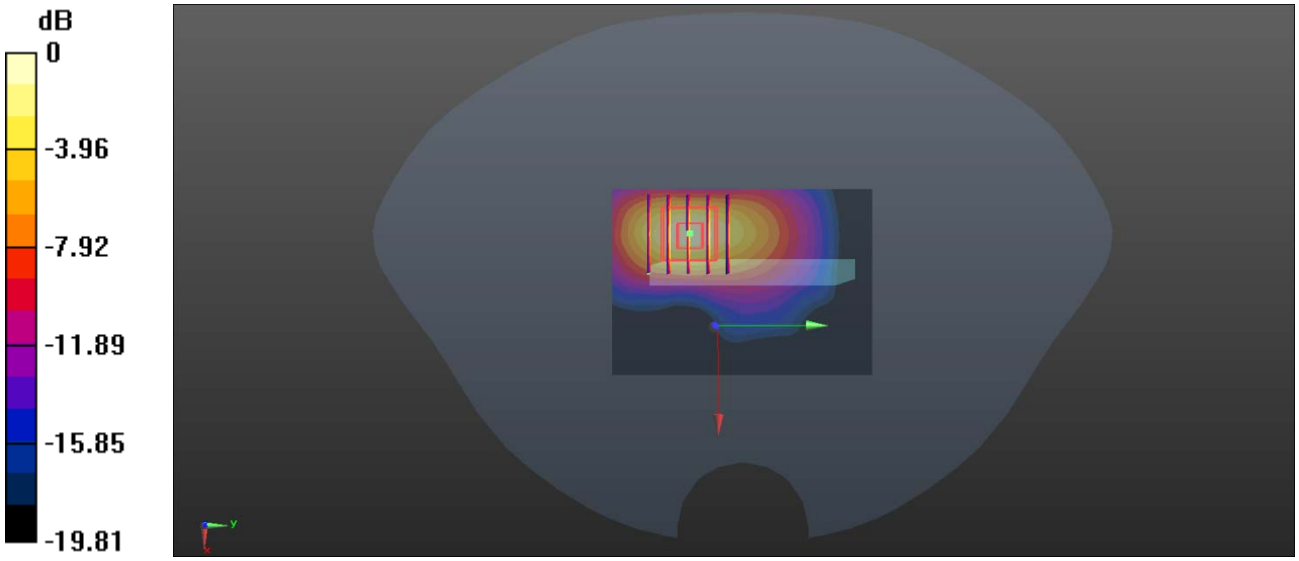
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.061 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.819 W/kg

SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.211 W/kg

Maximum value of SAR (measured) = 0.509 W/kg



0 dB = 0.509 W/kg

7-Right Head with Tilt on Middle Channel in WCDMA Band2 mode with Antenna1

Date: 2021/12/29

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.355 S/m; ε_r = 41.42; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.6

ASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.674 W/kg

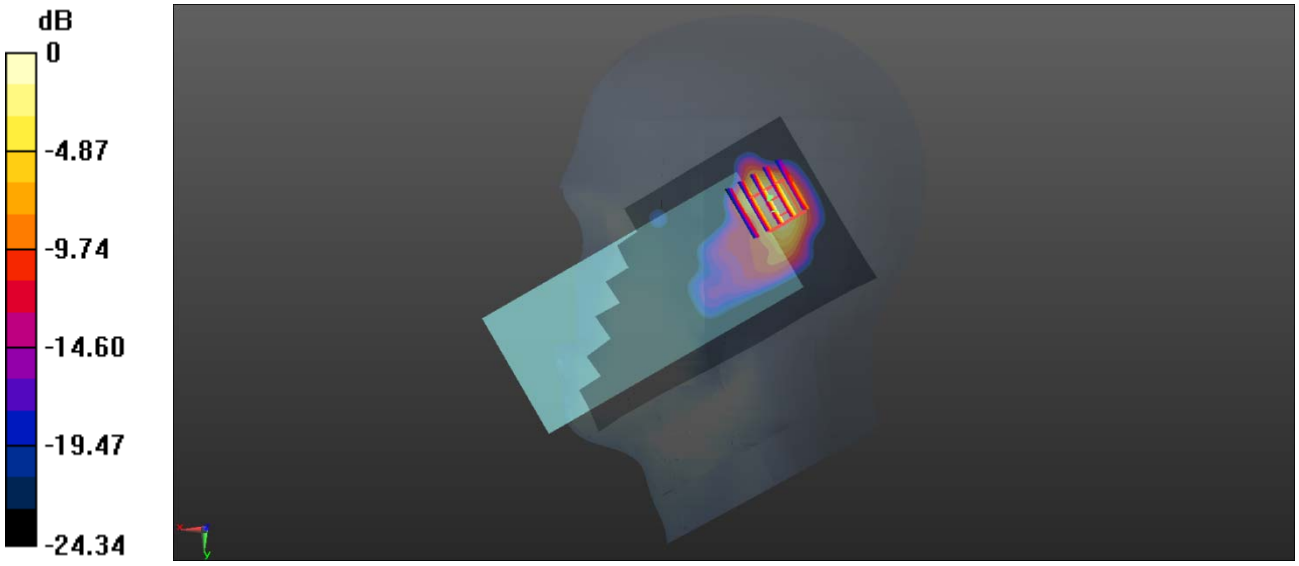
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.925 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.992 W/kg

SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.205 W/kg

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



0 dB = 0.572 W/kg

8-Body Plane with Back Side 15mm on Middle Channel in WCDMA Band2 mode with Antenna1

Date: 2021/12/29

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.355 S/m; ε_r = 41.42; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.6

ASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.354 W/kg

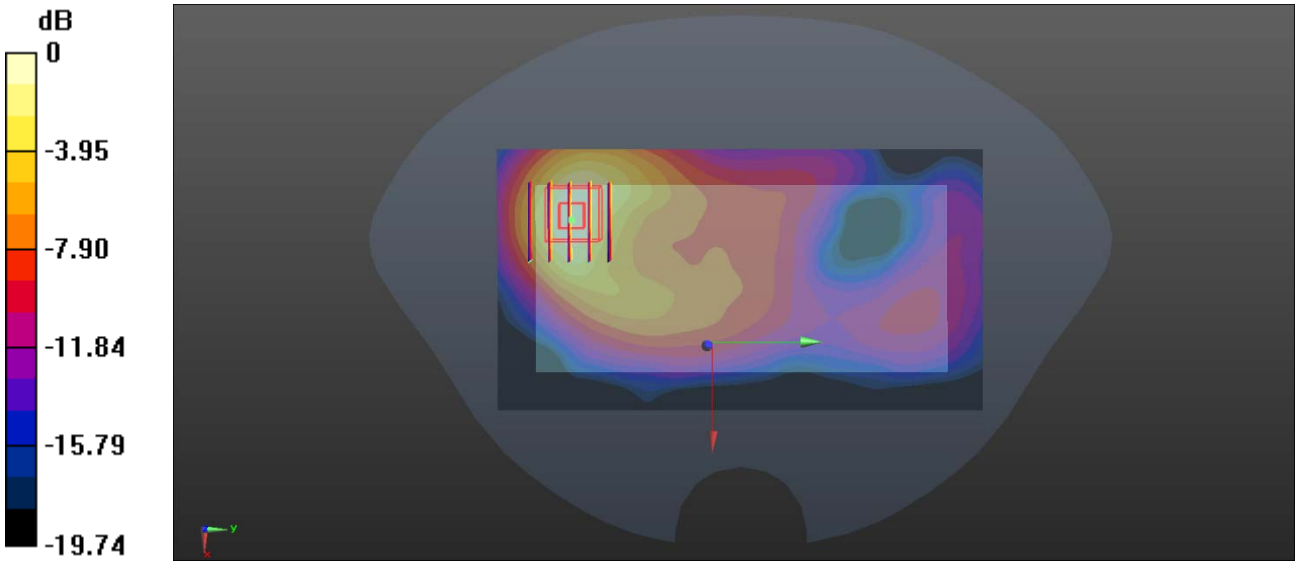
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.396 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.506 W/kg

SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.165 W/kg

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



0 dB = 0.334 W/kg

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

Date: 2021/12/29

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.355 S/m; ε_r = 41.42; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.6

ASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.525 W/kg

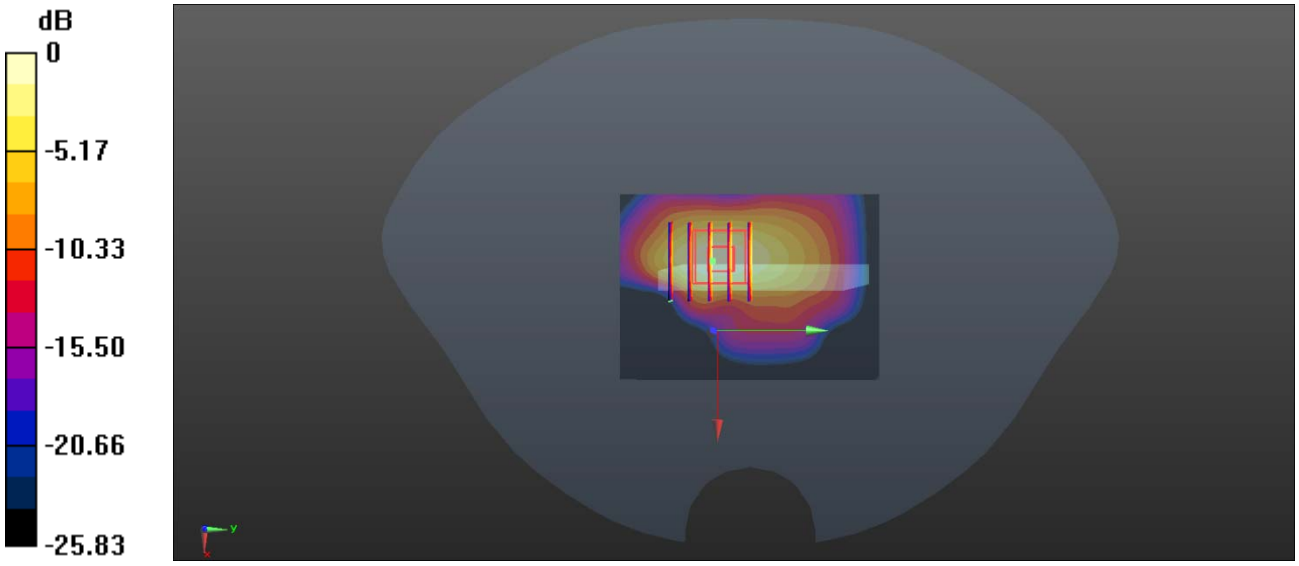
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.91 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.787 W/kg

SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.209 W/kg

Maximum value of SAR (measured) = 0.489 W/kg



0 dB = 0.489 W/kg

10-Right Head with Tilt on Middle Channel in WCDMA Band4 mode with Antenna1

Date: 2021/12/26

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

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.339 S/m; ε_r = 39.212; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

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

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

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

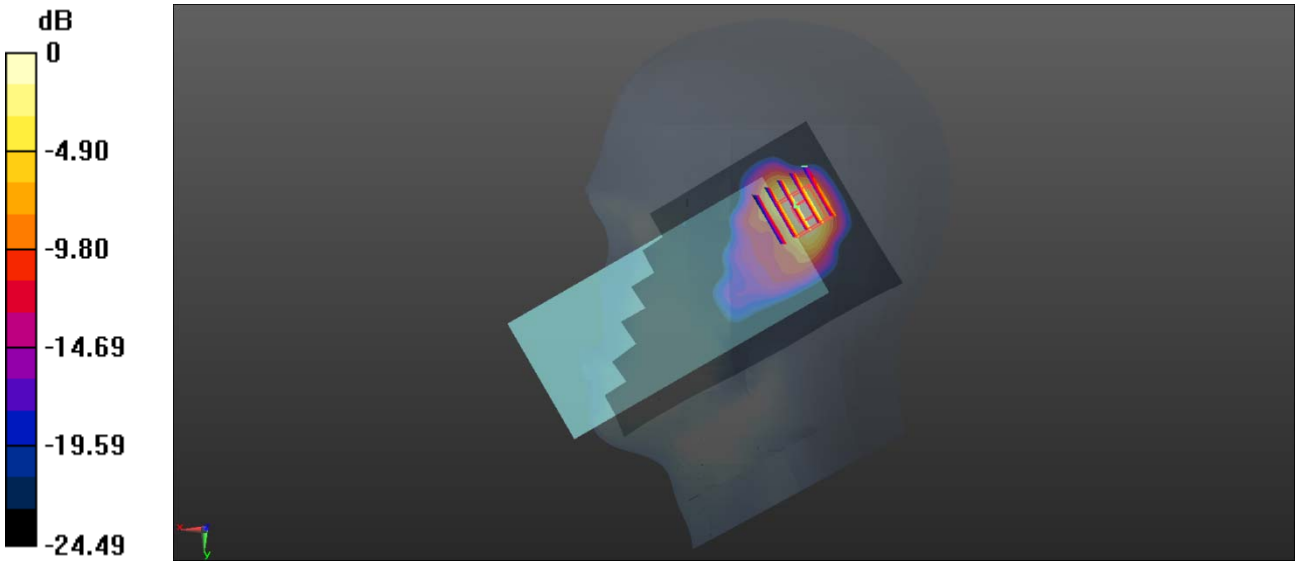
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.340 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.214 W/kg

Maximum value of SAR (measured) = 0.579 W/kg



0 dB = 0.579 W/kg

11-Body Plane with Back Side 15mm on Middle Channel in WCDMA Band4 mode with Antenna1

Date: 2021/12/26

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

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.339 S/m; ε_r = 39.212; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

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

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

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

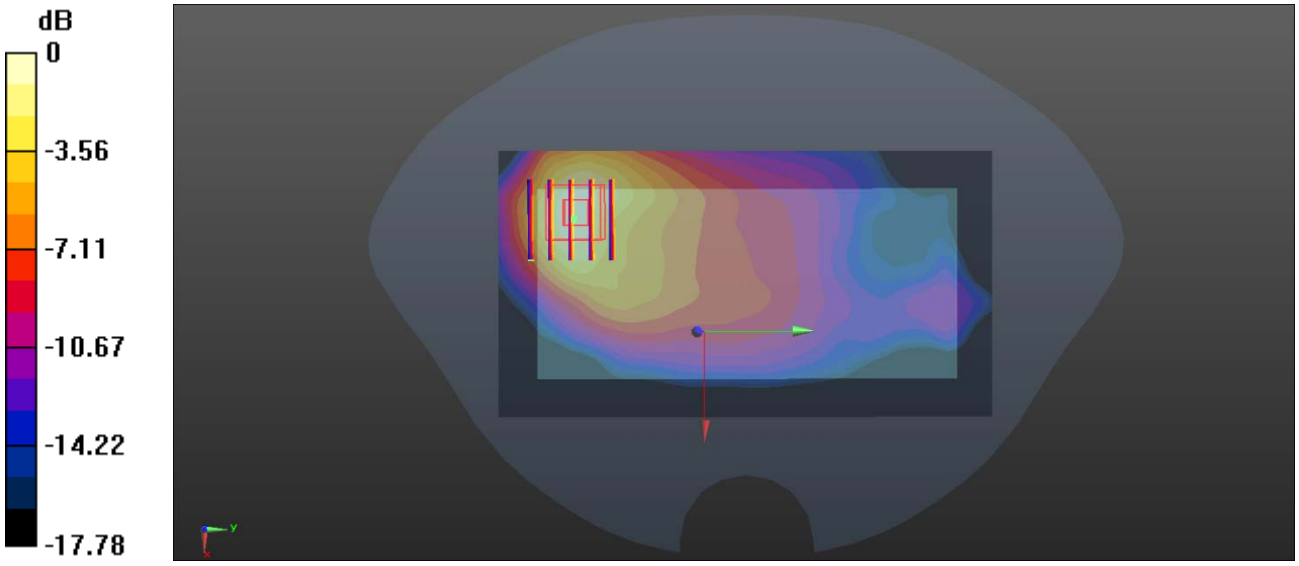
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.865 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.409 W/kg

SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.276 W/kg



0 dB = 0.276 W/kg

12-Body Plane with Top Side 10mm on Middle Channel in WCDMA Band4 mode with Antenna1

Date: 2021/12/26

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

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.339 S/m; ε_r = 39.212; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch1412/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

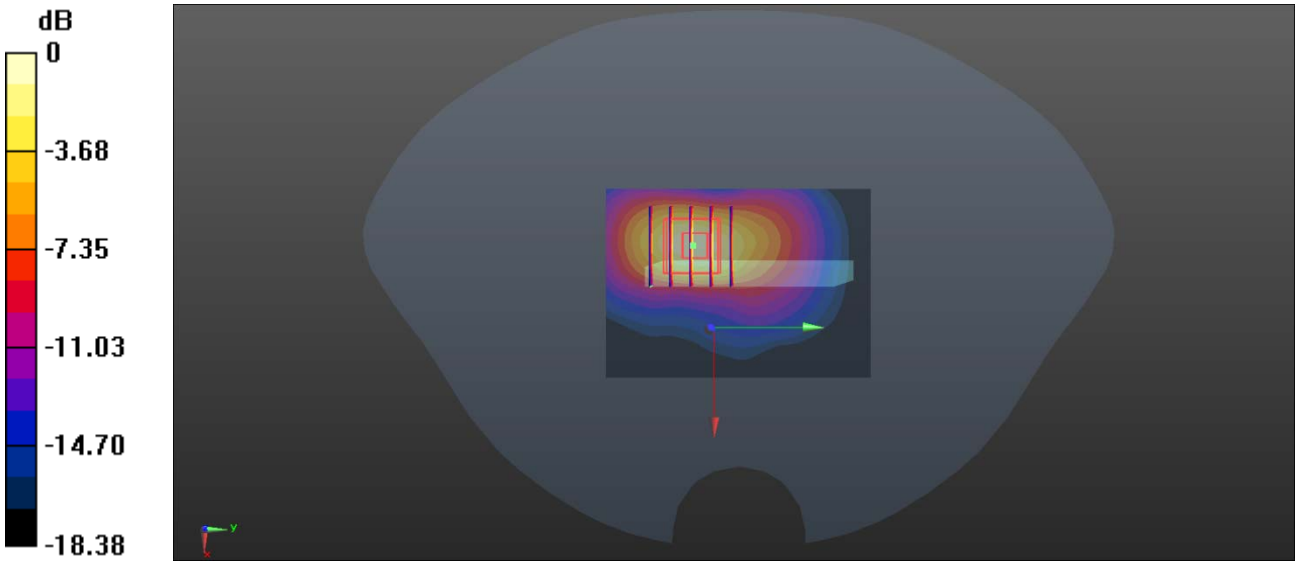
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.04 V/m; Power Drift =- 0.02 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.580 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 0.666 W/kg



0 dB = 0.666 W/kg

13-Right Head with Cheek on Middle Channel in WCDMA Band5 with Antenna1

Date: 2022.01.07

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.907 S/m; ε_r = 41.21; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

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

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

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

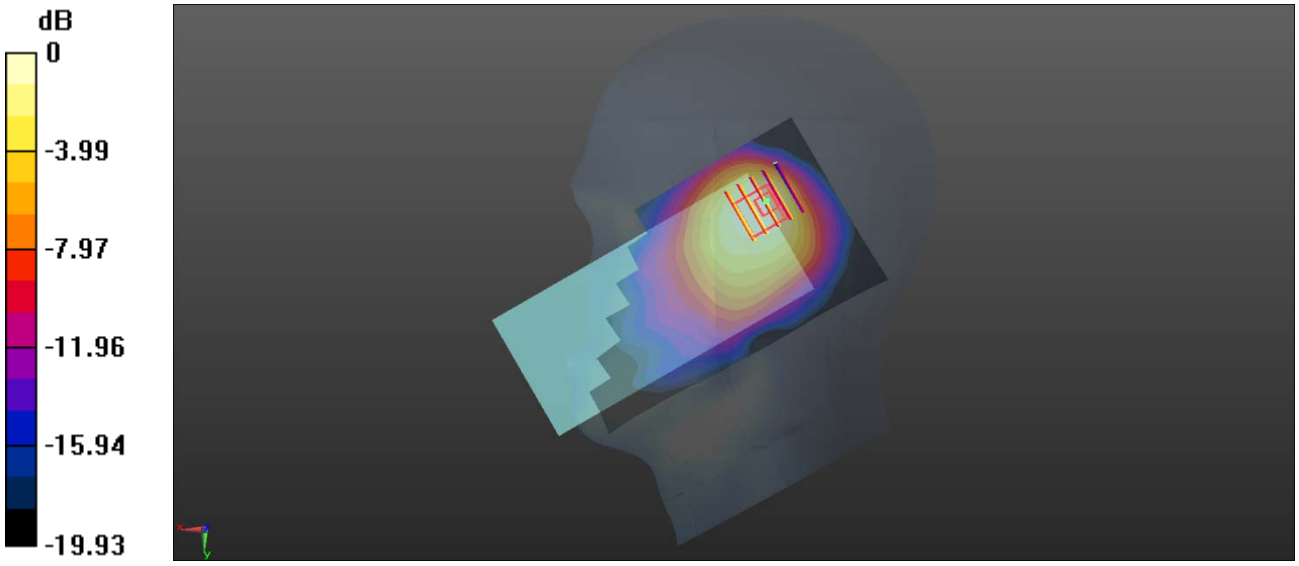
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.60 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.999 W/kg

SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.311 W/kg

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



0 dB = 0.536 W/kg

14-Body Plane with Back Side 15mm on Middle Channel in WCDMA Band5 with Antenna0

Date: 2022.01.07

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.907 S/m; ε_r = 41.21; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.202 W/kg

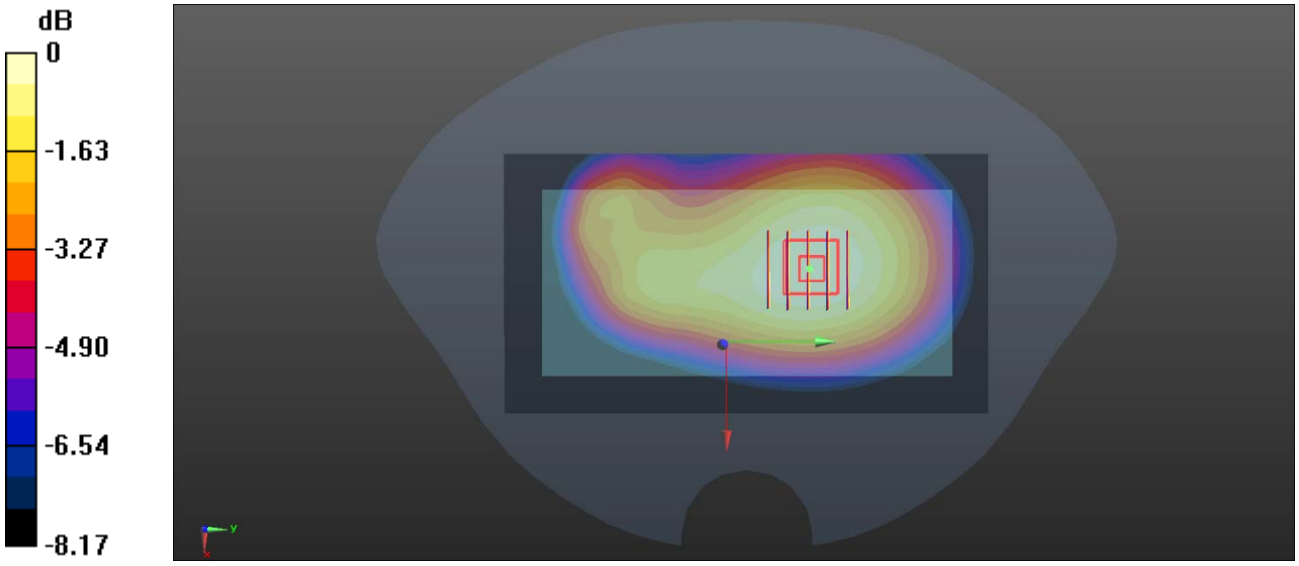
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.12 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.242 W/kg

SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.202 W/kg



0 dB = 0.202 W/kg

15-Body Plane with Back Side 10mm on Middle Channel in WCDMA Band5 mode with Antenna1

Date: 2022.01.07

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.907 S/m; ε_r = 41.21; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.322 W/kg

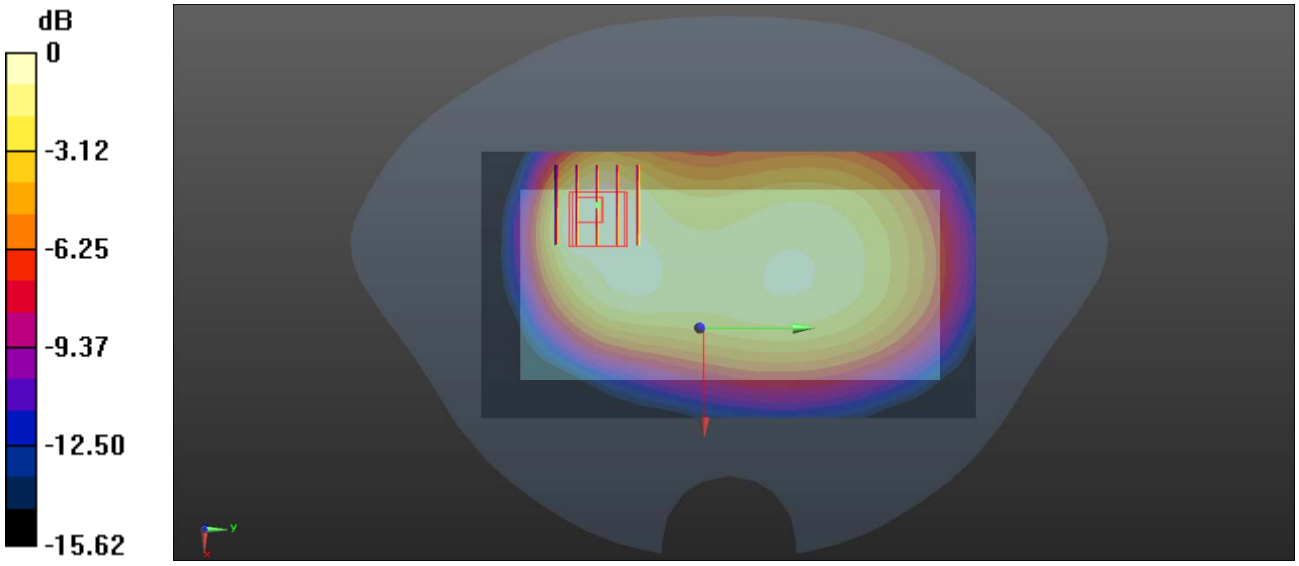
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.30 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.519 W/kg

SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.184 W/kg

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



0 dB = 0.321 W/kg

16-Right Head with Tilt on Middle Channel in LTE Band2 mode with Antenna1

Date: 2021/12/29

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.355 S/m; ε_r = 41.42; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.6

ASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.554 W/kg

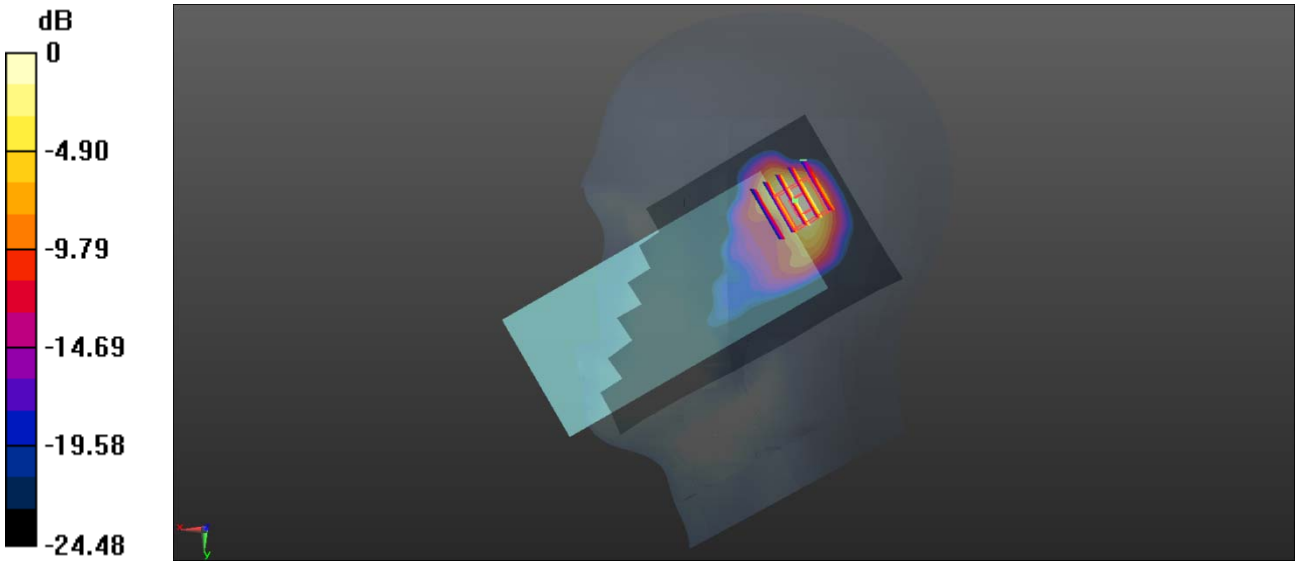
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.781 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.886 W/kg

SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.182 W/kg

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



0 dB = 0.484 W/kg

17-Body Plan with Back Side 15mm on Middle Channel in LTE Band2 mode with Antenna1

Date: 2021/12/29

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.355 S/m; ε_r = 41.42; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.6

ASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.118 W/kg

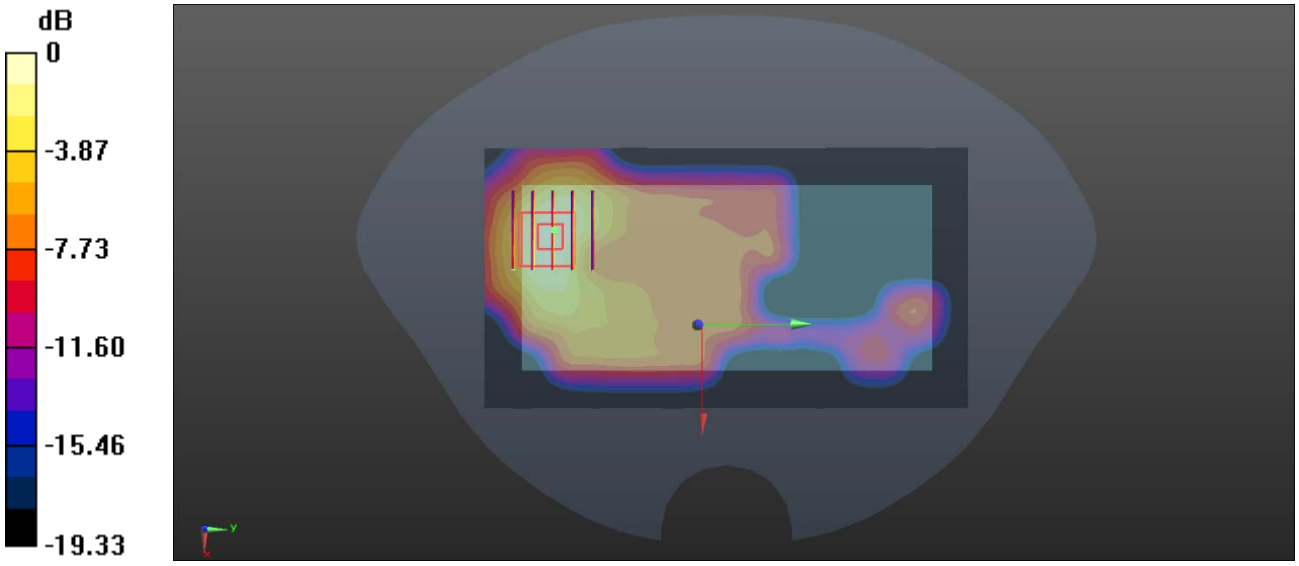
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.048 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.059 W/kg

Maximum value of SAR (measured) = 0.121 W/kg



0 dB = 0.121 W/kg

18-Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band2 mode with Antenna1

Date: 2021/12/29

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.355 S/m; ε_r = 41.42; ρ = 1000 kg/m^3 Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.6

ASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

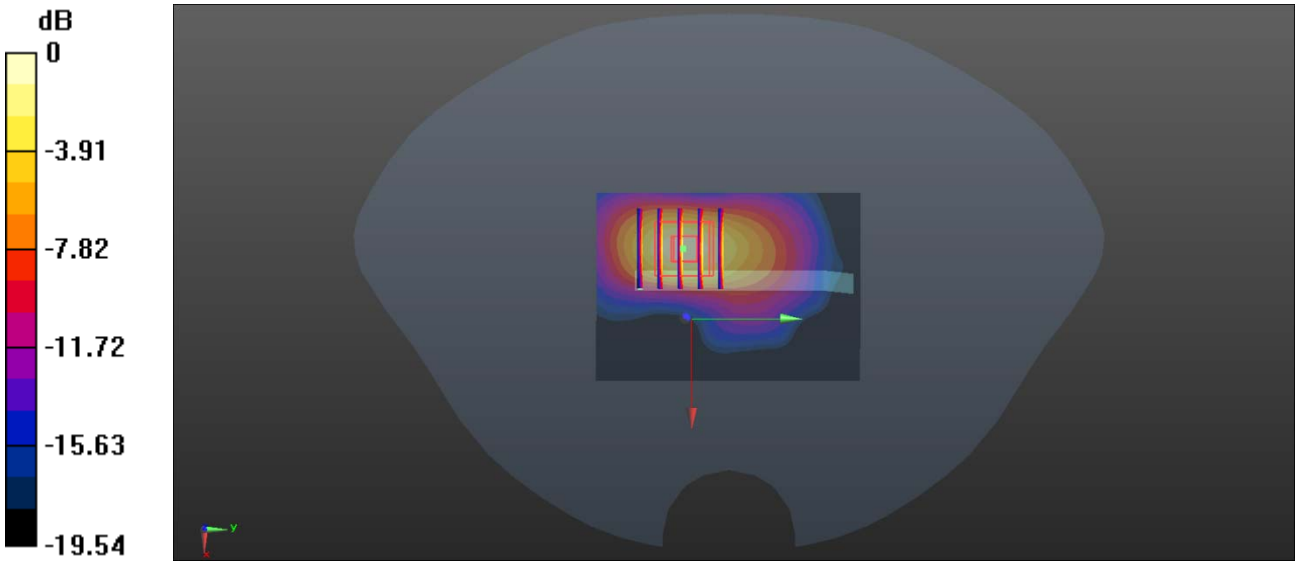
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.522 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.701 W/kg

SAR(1 g) = 0.378 W/kg; SAR(10 g) = 0.182 W/kg

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



0 dB = 0.438 W/kg

19-Right Head with Tilt on Low Channel in LTE Band4 mode with Antenna1

Date: 2021/12/26

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.341 S/m; ε_r = 39.11; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.619 W/kg

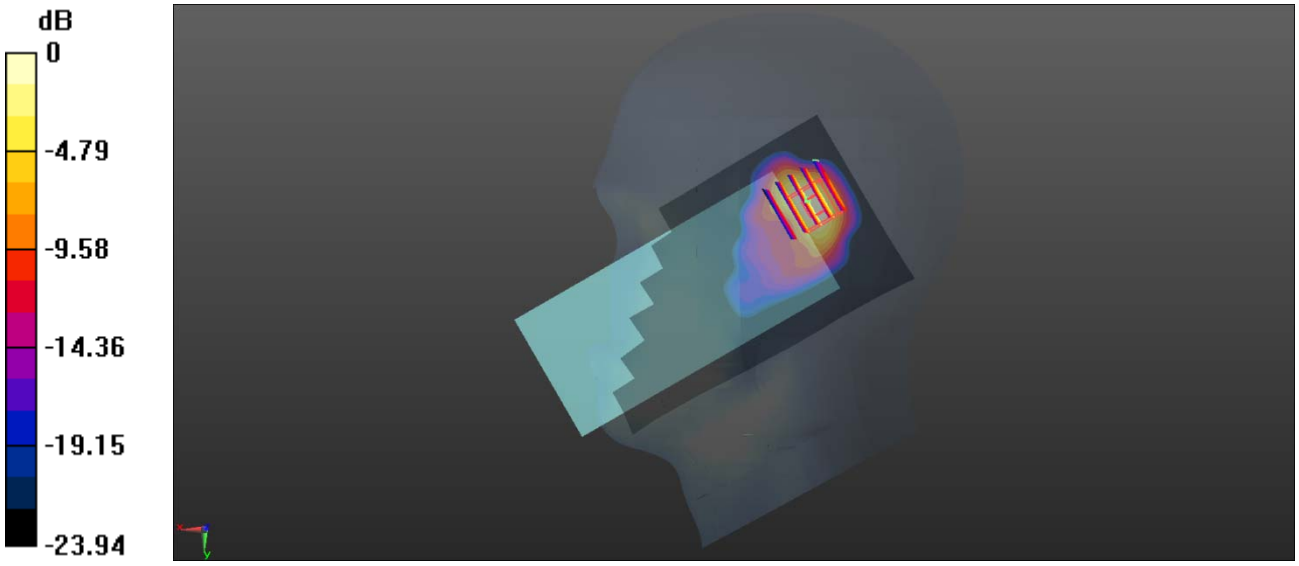
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.190 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.963 W/kg

SAR(1 g) = 0.463 W/kg; SAR(10 g) = 0.205 W/kg

Maximum value of SAR (measured) = 0.551 W/kg



0 dB = 0.551 W/kg

20-Body Plan with Back Side 15mm on High Channel in LTE Band4 mode with Antenna0

Date: 2021/12/26

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.341 S/m; ε_r = 39.11; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch20300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.173 W/kg

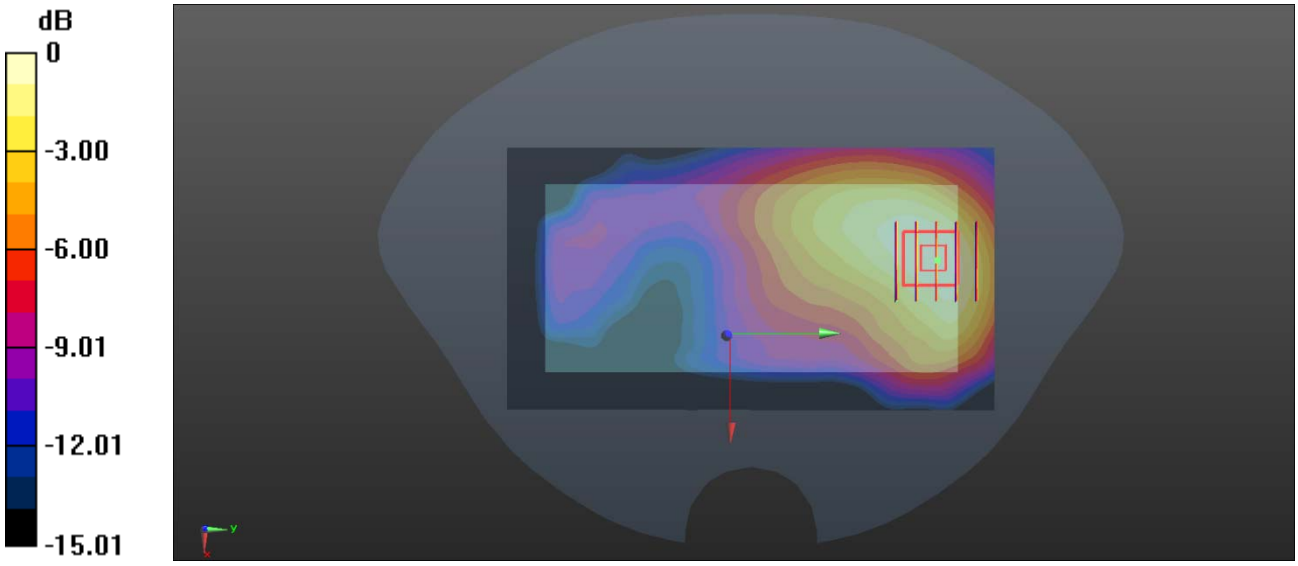
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.385 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.219 W/kg

SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.101 W/kg

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



0 dB = 0.174 W/kg

21-Body Plane with Top Edge 10mm on High Channel in LTE Band4 mode with Antenna1

Date: 2021/12/26

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.341 S/m; ε_r = 39.11; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

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

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

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

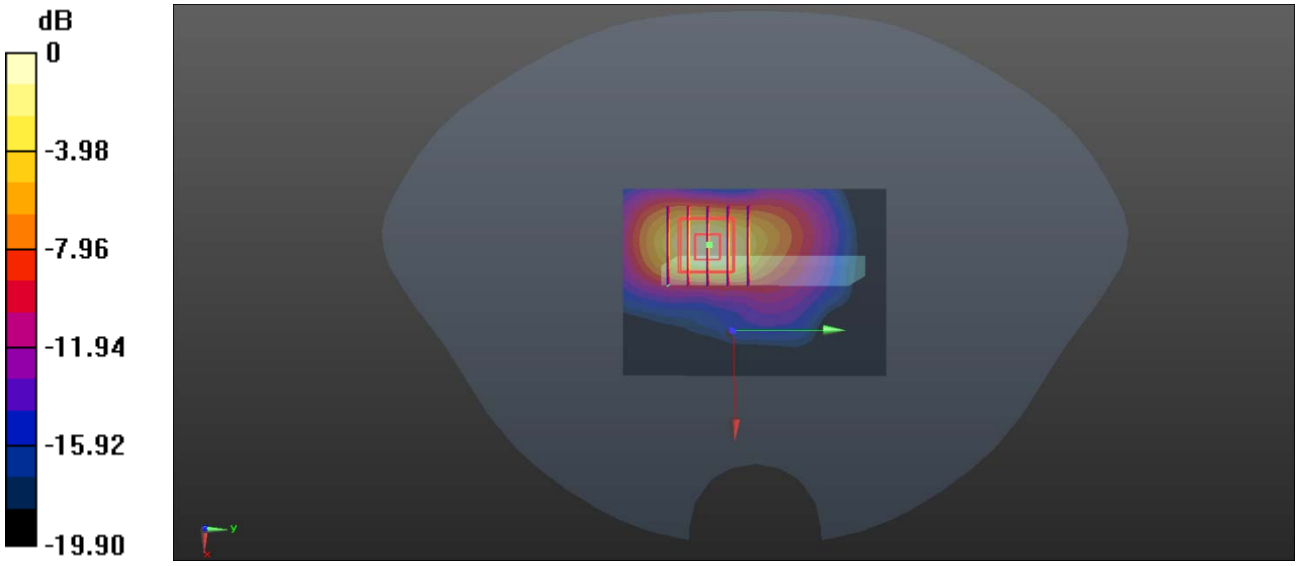
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.730 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.854 W/kg

SAR(1 g) = 0.463 W/kg; SAR(10 g) = 0.227 W/kg

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



0 dB = 0.536 W/kg

22-Right Head with Cheek on Low Channel in LTE Band5 mode with Antenna1

Date: 2022/01/08

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

Medium parameters used (interpolated): f = 829 MHz; σ = 0.871 S/m; ε_r = 42.112; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.657 W/kg

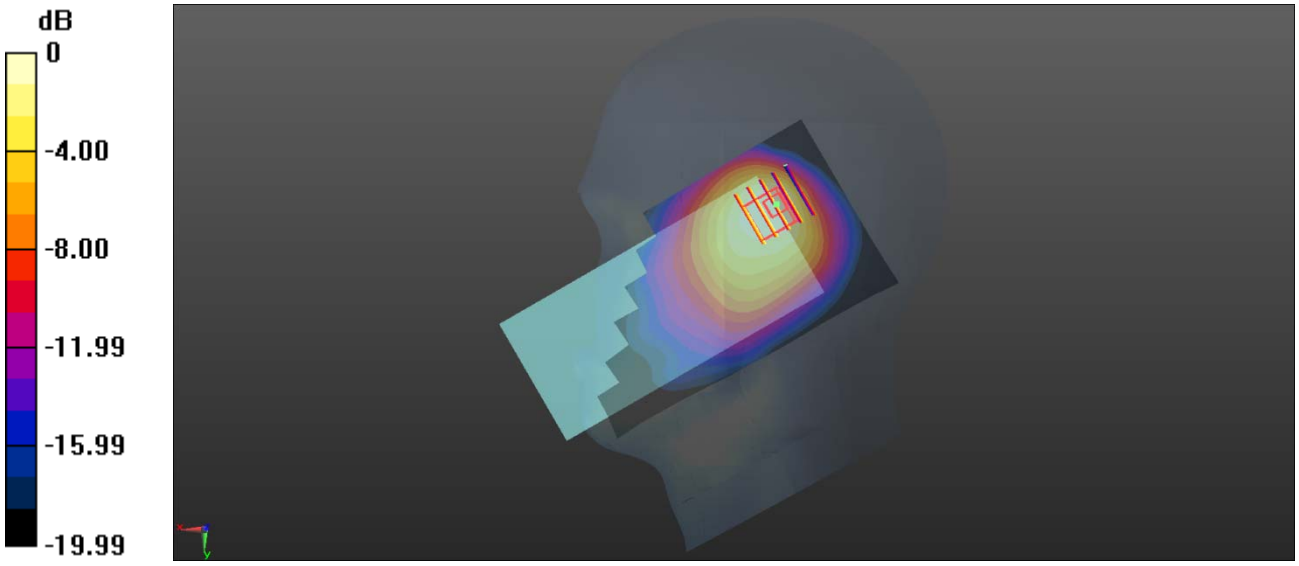
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.56 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.324 W/kg

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



0 dB = 0.562 W/kg

23-Body Plane with Back Side 15mm on Low Channel in LTE Band5 mode with Antenna0

Date: 2022/01/08

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

Medium parameters used (interpolated): f = 829 MHz; σ = 0.871 S/m; ε_r = 42.112; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.202 W/kg

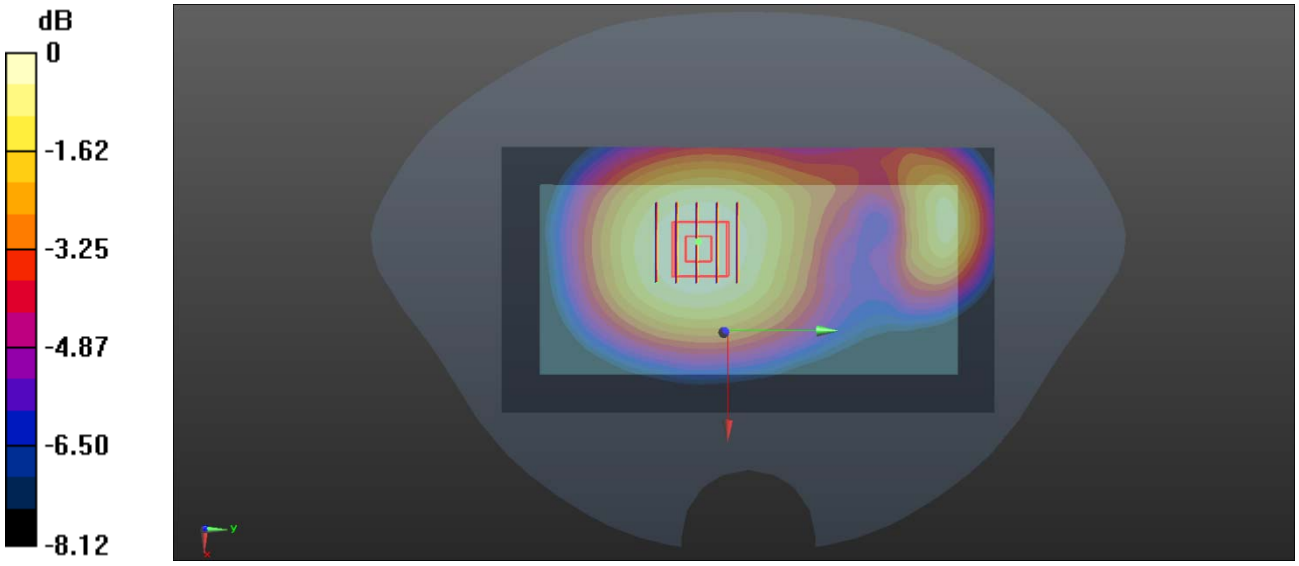
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.80 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.238 W/kg

SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.148 W/kg

Maximum value of SAR (measured) = 0.201 W/kg



0 dB = 0.201 W/kg

24-Body Plane with Back Side 10mm on Low Channel in LTE Band5 mode with Antenna0

Date: 2022/01/08

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

Medium parameters used (interpolated): f = 829 MHz; σ = 0.871 S/m; ε_r = 42.112; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.357 W/kg

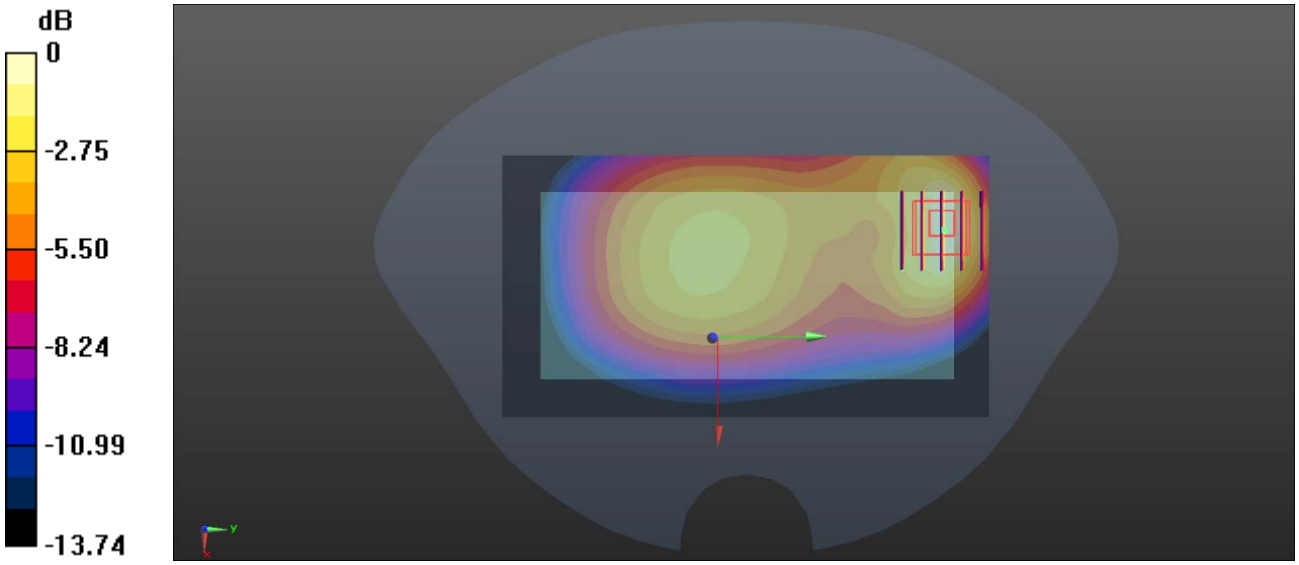
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.95 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.606 W/kg

SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.193 W/kg

Maximum value of SAR (measured) = 0.370 W/kg



0 dB = 0.370 W/kg

25-Right Head with Tilt on High Channel in LTE Band7 mode with Antenna1

Date: 2021/12/19

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

Medium parameters used (interpolated): f = 2560 MHz; σ = 1.875 S/m; ε_r = 38.62; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.512 W/kg

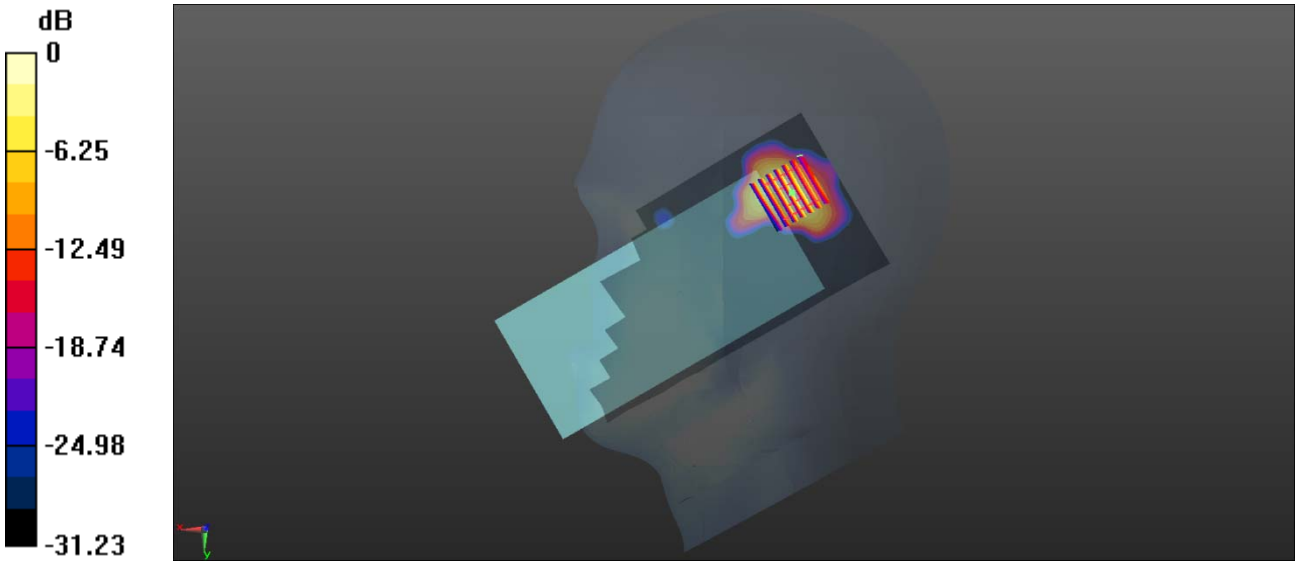
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.980 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.168 W/kg

Maximum value of SAR (measured) = 0.559 W/kg



0 dB = 0.559 W/kg

26-Body Plan with Back Side 15mm on High Channel in LTE Band7 mode with Antenna0

Date: 2021/12/20

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

Medium parameters used (interpolated): f = 2560 MHz; σ = 1.884 S/m; ε_r = 38.793; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

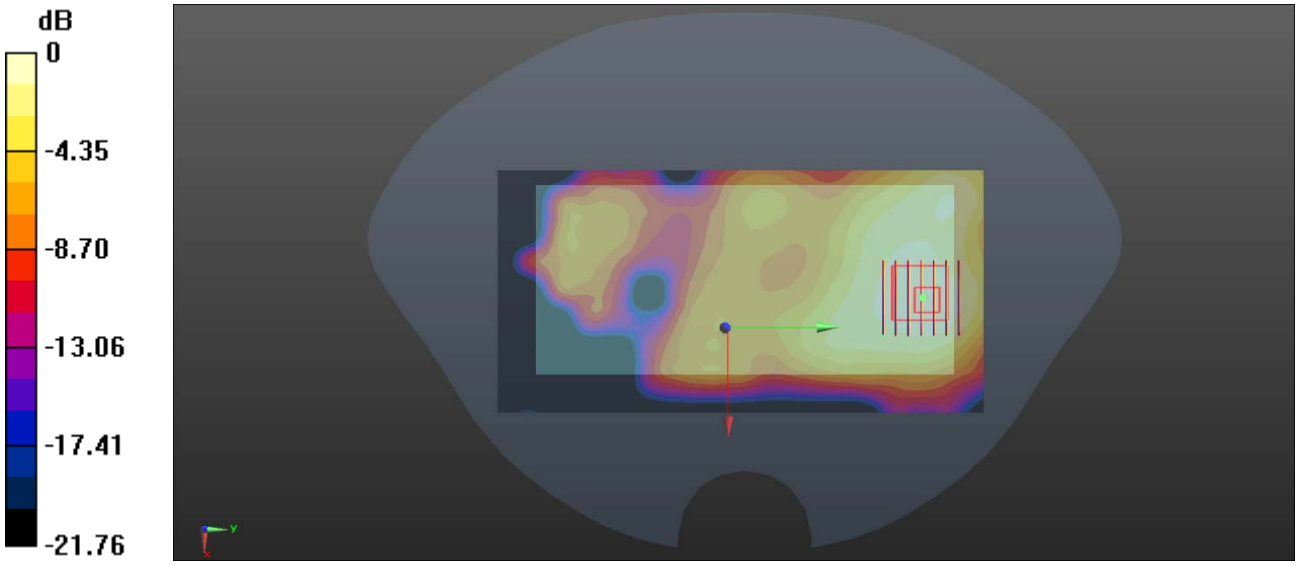
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.653 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.195 W/kg

SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.063 W/kg

Maximum value of SAR (measured) = 0.128 W/kg



0 dB = 0.128 W/kg

27-Body Plane with Bottom Edge 10mm on Low Channel in LTE Band7 mode with Antenna1

Date: 2021/12/20

Communication System Band: BAND 7; Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2510 MHz; σ = 1.827 S/m; ε_r = 39.104; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.378 W/kg

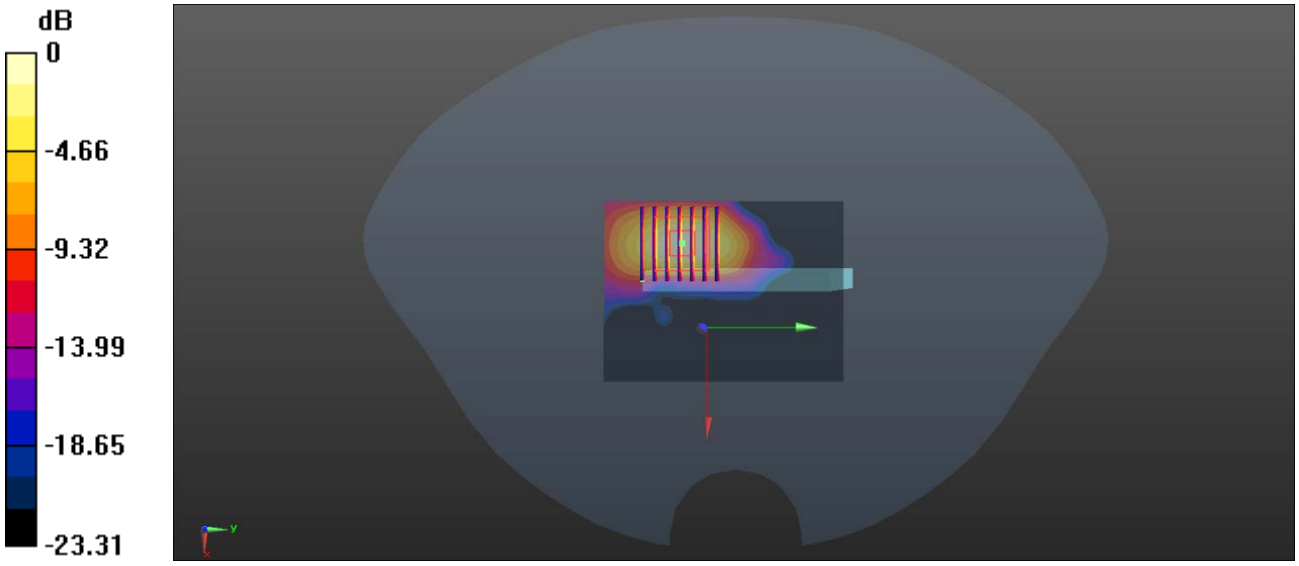
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.107 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.626 W/kg

SAR(1 g) = 0.323 W/kg; SAR(10 g) = 0.135 W/kg

Maximum value of SAR (measured) = 0.349 W/kg



0 dB = 0.349 W/kg

28-Right Head with Cheek on Low Channel in LTE Band12 mode with Antenna1

Date: 2022.01.05

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

Medium parameters used (interpolated): f = 704 MHz; σ = 0.869 S/m; ε_r = 42.664; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.535 W/kg

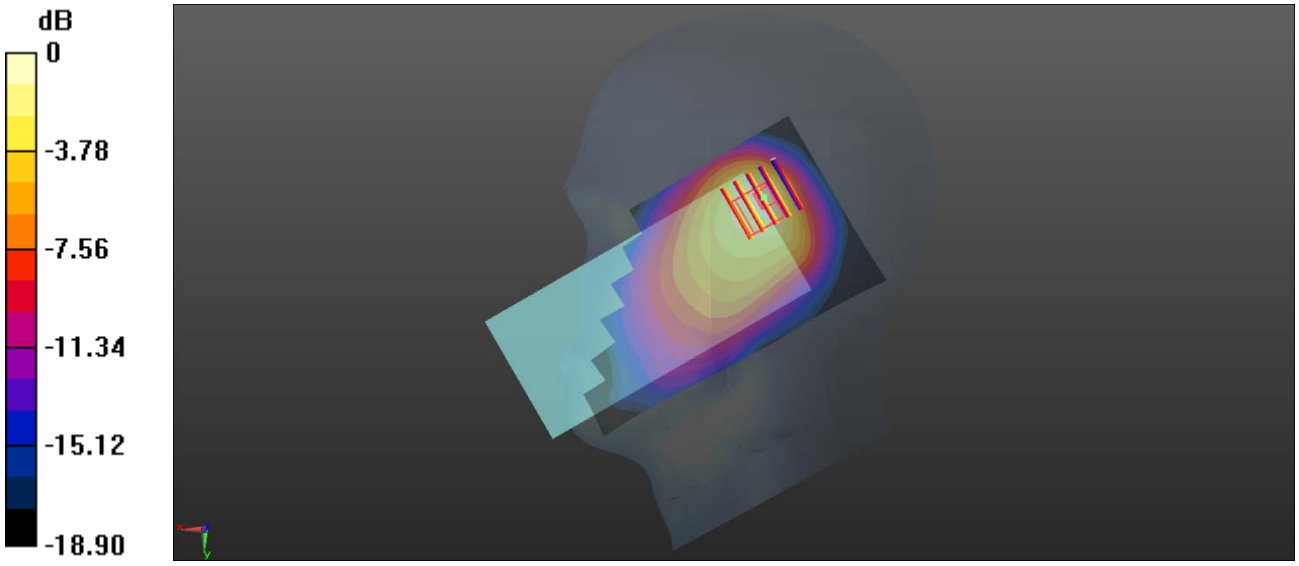
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.12 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.490 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.528 W/kg



0 dB = 0.528 W/kg

29-Body Plane with Back Side 15mm on Low Channel in LTE Band12 mode with Antenna0

Date: 2022.01.05

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

Medium parameters used (interpolated): f = 704 MHz; σ = 0.869 S/m; ε_r = 42.664; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

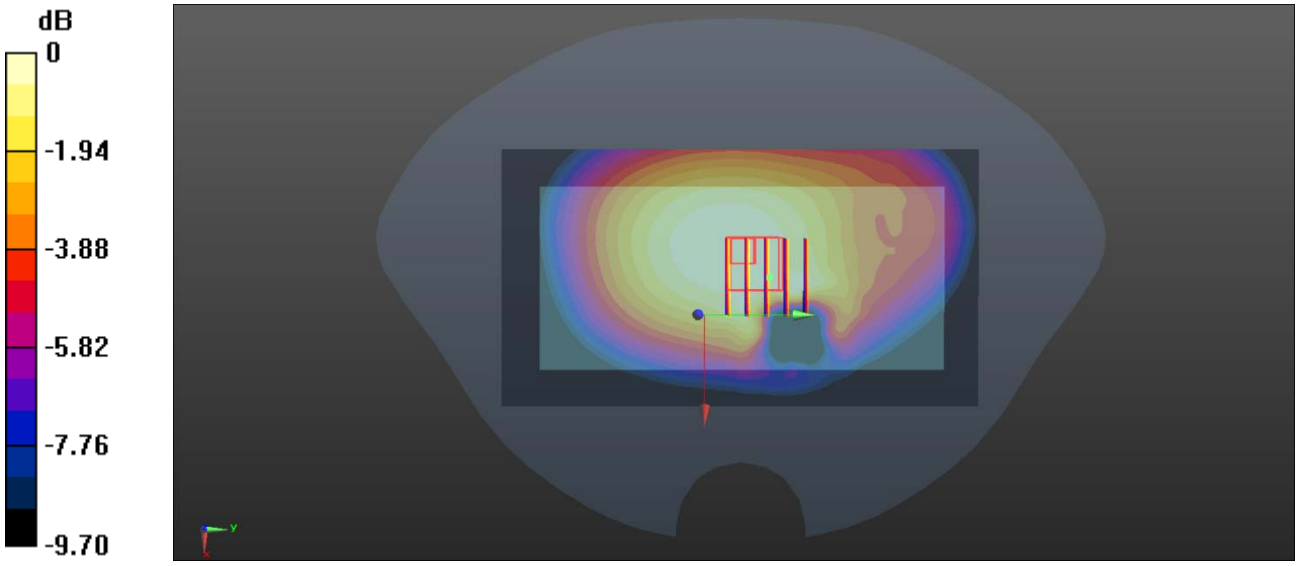
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.80 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.312 W/kg

SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.185 W/kg

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



0 dB = 0.262 W/kg

30-Body Plane with Right Edge 10mm on Low Channel in LTE Band12 mode with Antenna0

Date: 2022.01.05

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

Medium parameters used (interpolated): f = 704 MHz; σ = 0.869 S/m; ε_r = 42.664; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (41x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

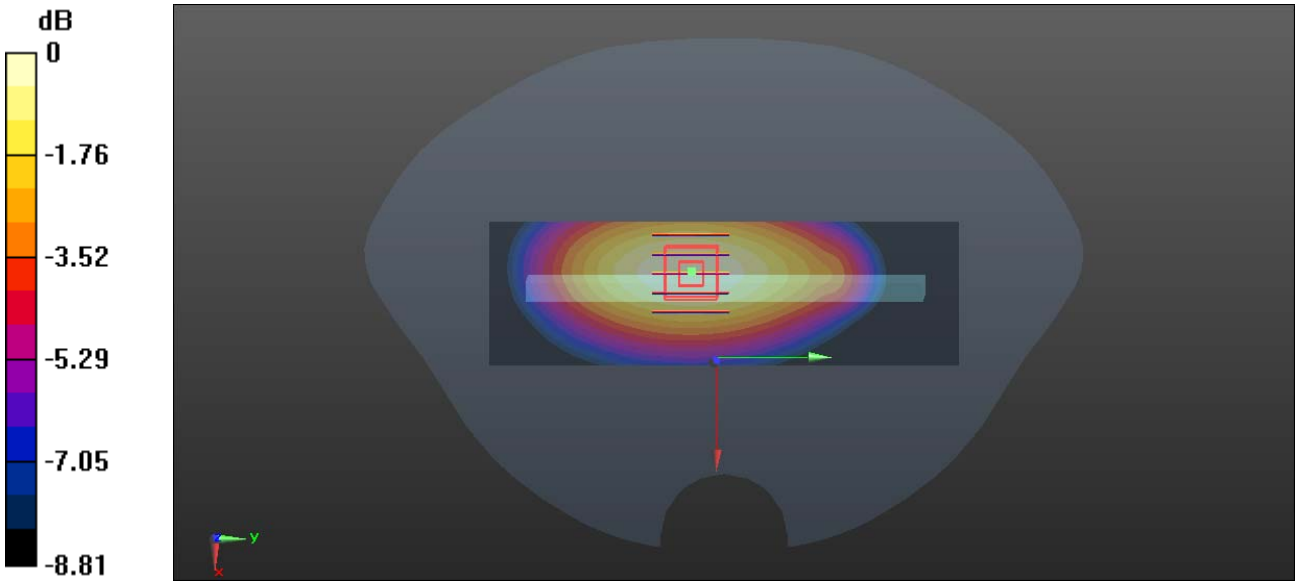
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.07 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.444 W/kg

SAR(1 g) = 0.320 W/kg; SAR(10 g) = 0.224 W/kg

Maximum value of SAR (measured) = 0.341 W/kg



0 dB = 0.341 W/kg

31-Right Head with Cheek on Low Channel in LTE Band26 mode with Antenna1

Date: 2021/12/20

Communication System Band: BAND 26; Frequency: 821.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 821.5 MHz; σ = 0.912 S/m; ε_r = 40.985; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

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

Ch26765/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.532 W/kg

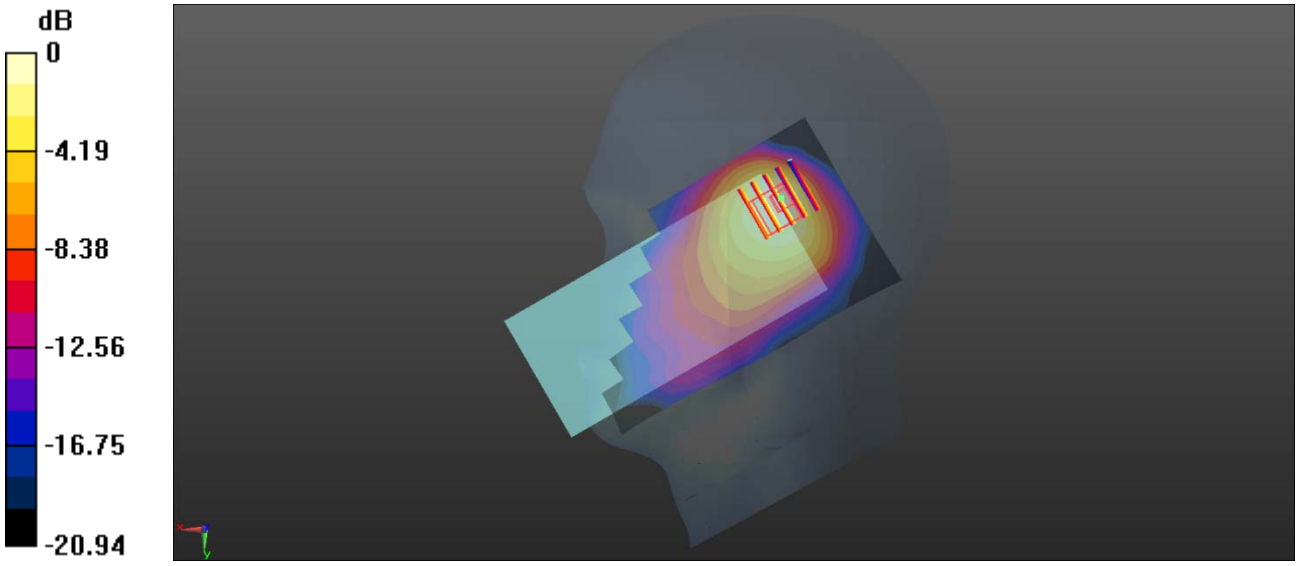
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.16 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.850 W/kg

SAR(1 g) = 0.416 W/kg; SAR(10 g) = 0.238 W/kg

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



0 dB = 0.448 W/kg

32-Body Plane with Back Side 15mm on Low Channel in LTE Band26 mode with Antenna1

Date: 2021/12/20

Communication System Band: BAND 26; Frequency: 821.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 821.5 MHz; σ = 0.912 S/m; ε_r = 40.985; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

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

Ch26765/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.268 W/kg

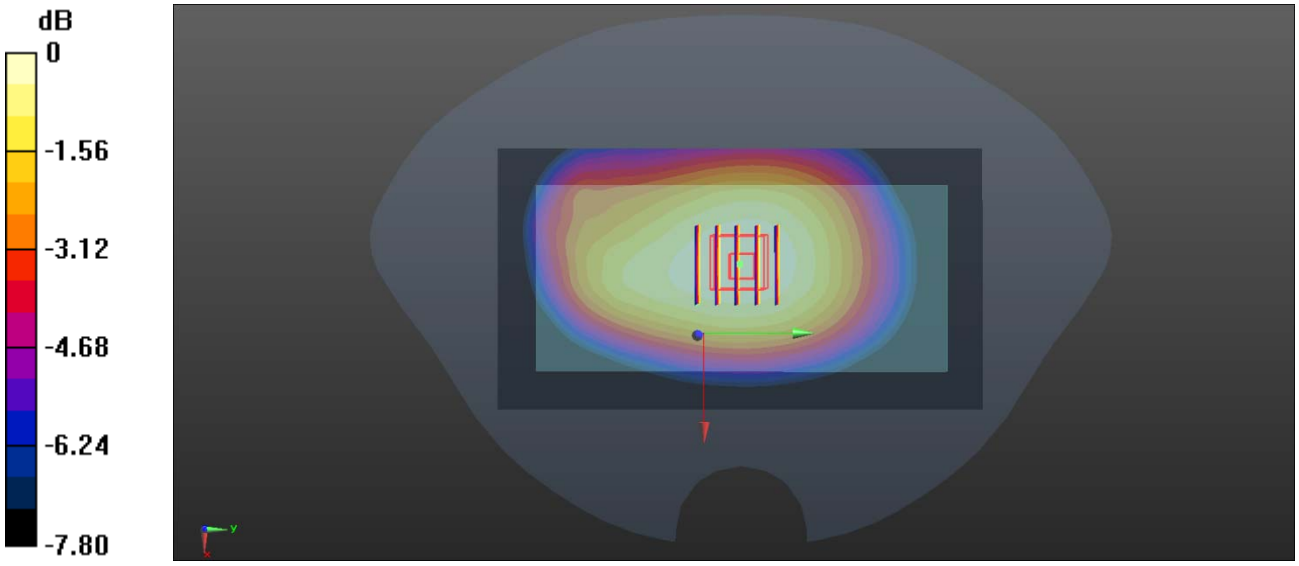
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.82 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.316 W/kg

SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.197 W/kg

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



0 dB = 0.267 W/kg

33-Body Plane with Back Side 10mm on Low Channel in LTE Band26 mode with Antenna0

Date: 2021/12/20

Communication System Band: BAND 26; Frequency: 821.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 821.5 MHz; σ = 0.912 S/m; ε_r = 40.985; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

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

Ch26765/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

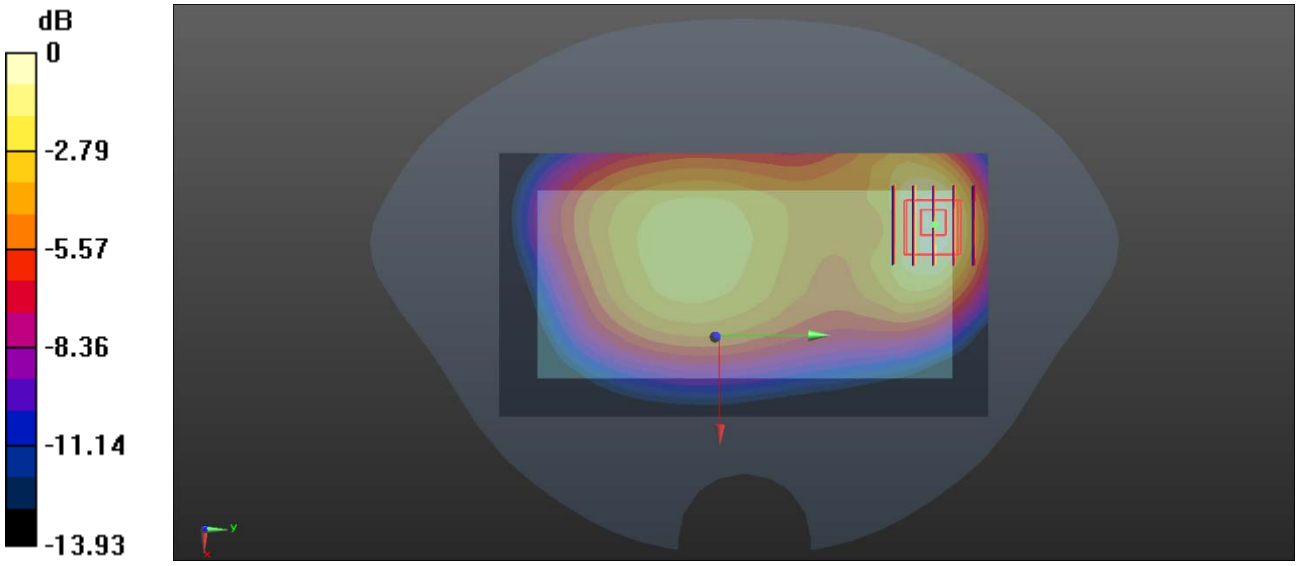
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.94 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.550 W/kg

SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.345 W/kg



0 dB = 0.345 W/kg

34-Right Head with Tilt on Middle Channel in LTE Band66 mode with Antenna1

Date: 2021/12/27

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.371 S/m; ε_r = 40.643; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.720 W/kg

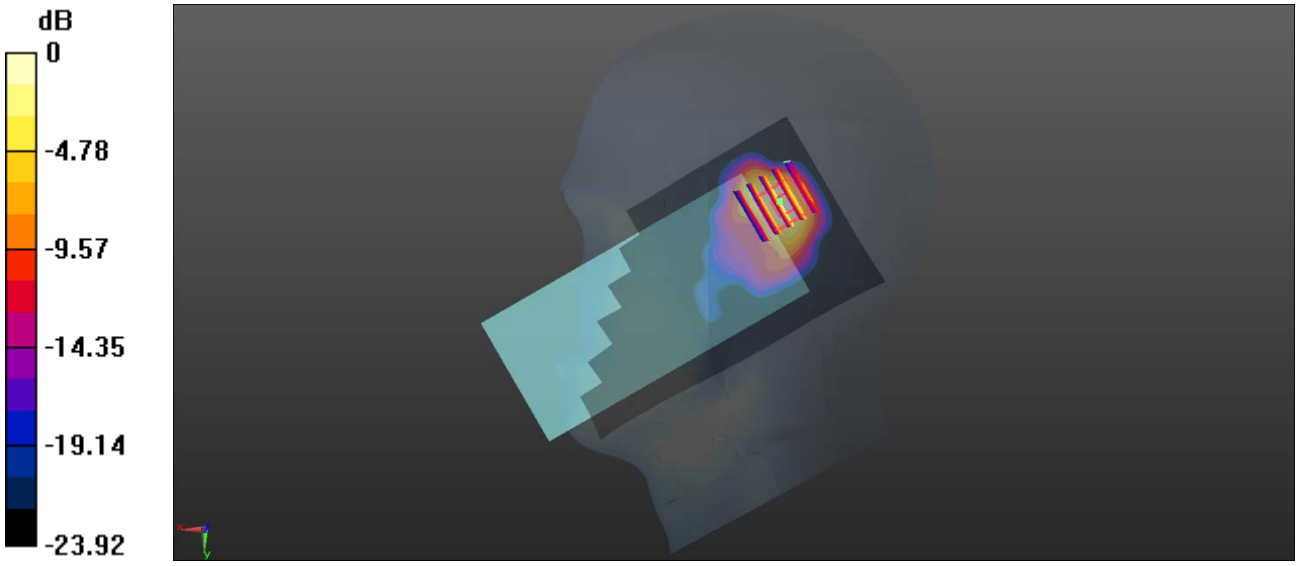
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.456 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.518 W/kg; SAR(10 g) = 0.226 W/kg

Maximum value of SAR (measured) = 0.622 W/kg



0 dB = 0.622 W/kg

35-Body Plane with Back Side 15mm on Middle Channel in LTE Band66 mode with Antenna0

Date: 2021/12/27

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.371 S/m; ε_r = 40.643; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.166 W/kg

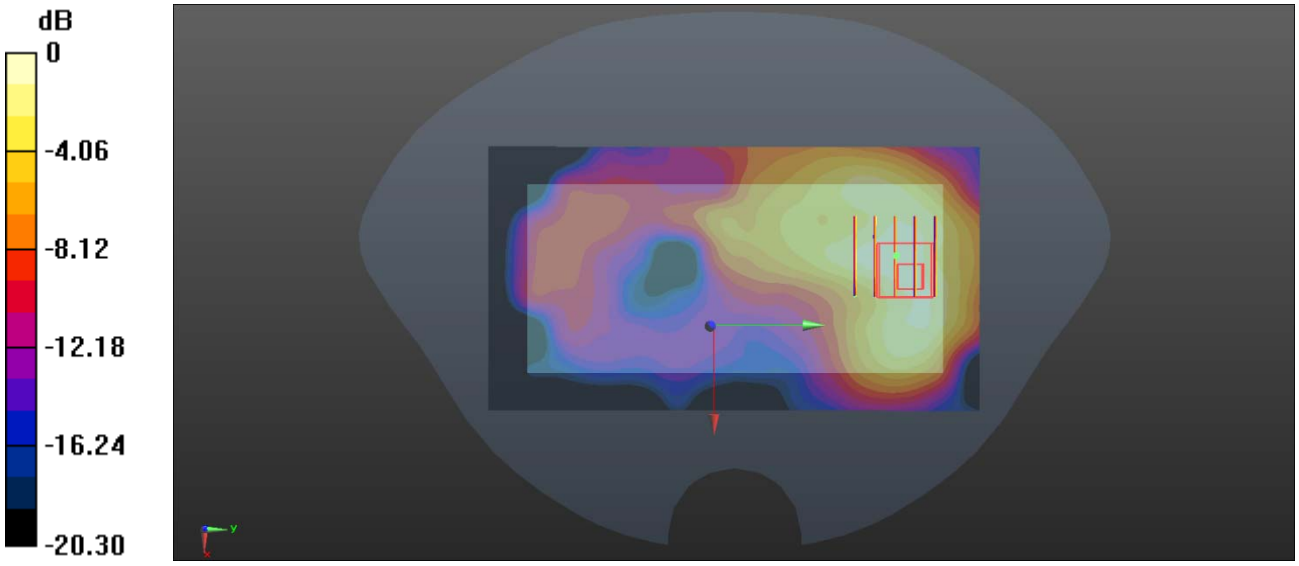
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.003 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.260 W/kg

SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.176 W/kg



0 dB = 0.176 W/kg

36-Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band66 mode with Antenna0

Date: 2021/12/27

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.371 S/m; ε_r = 40.643; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

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

Ch132322/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.526 W/kg

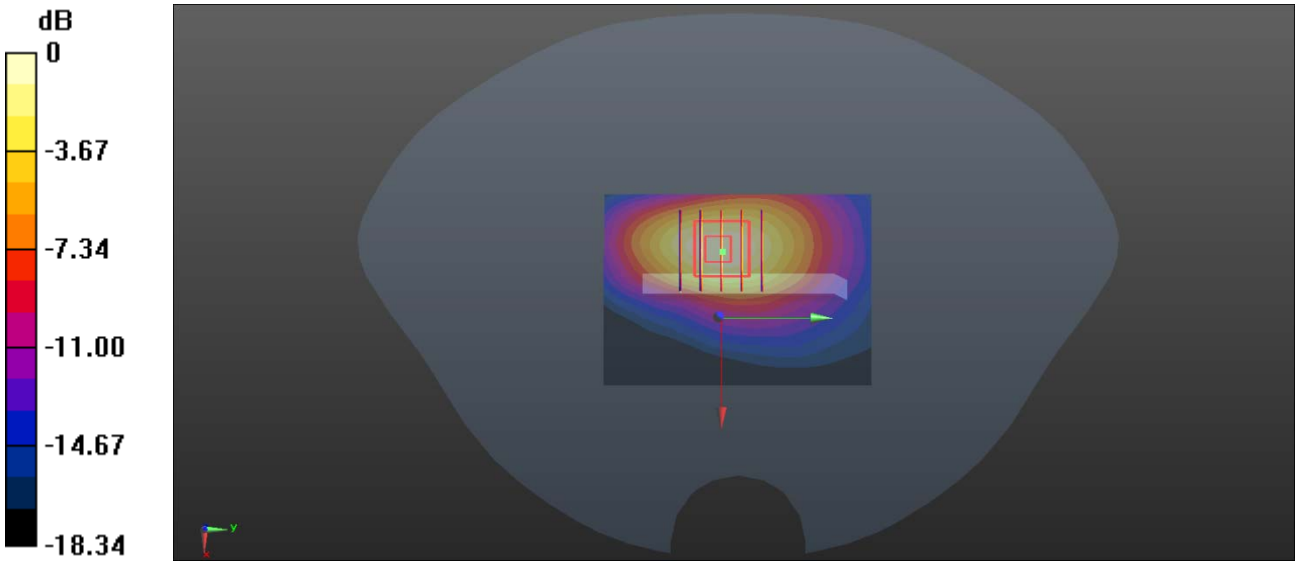
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.11 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.794 W/kg

SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.262 W/kg

Maximum value of SAR (measured) = 0.534 W/kg



0 dB = 0.534 W/kg

37-Right Head with Cheek on High Channel in LTE Band38 mode with Antenna4

Date: 2021/12/29

Communication System Band: BAND 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 1.935 S/m; ε_r = 38.606; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.833 W/kg

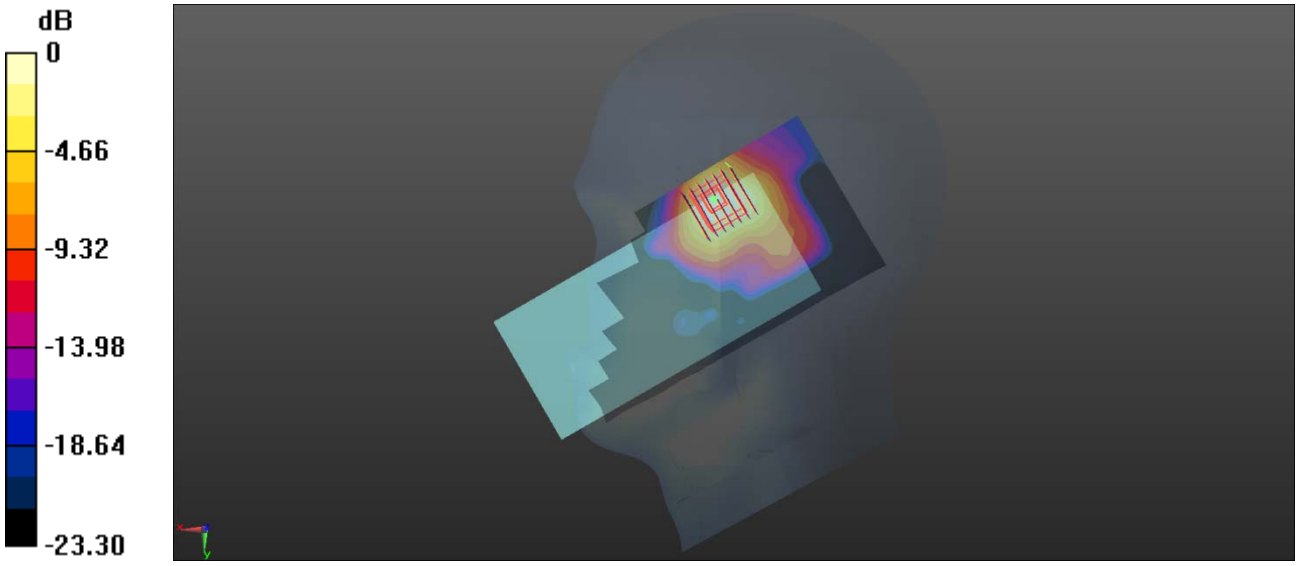
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.522 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.589 W/kg; SAR(10 g) = 0.304 W/kg

Maximum value of SAR (measured) = 0.757 W/kg



0 dB = 0.757 W/kg

38-Body Plane with Back Side 15mm on High Channel in LTE Band38 mode with Antenna4

Date: 2021/12/30

Communication System Band: BAND 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 2.031 S/m; ε_r = 38.956; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.257 W/kg

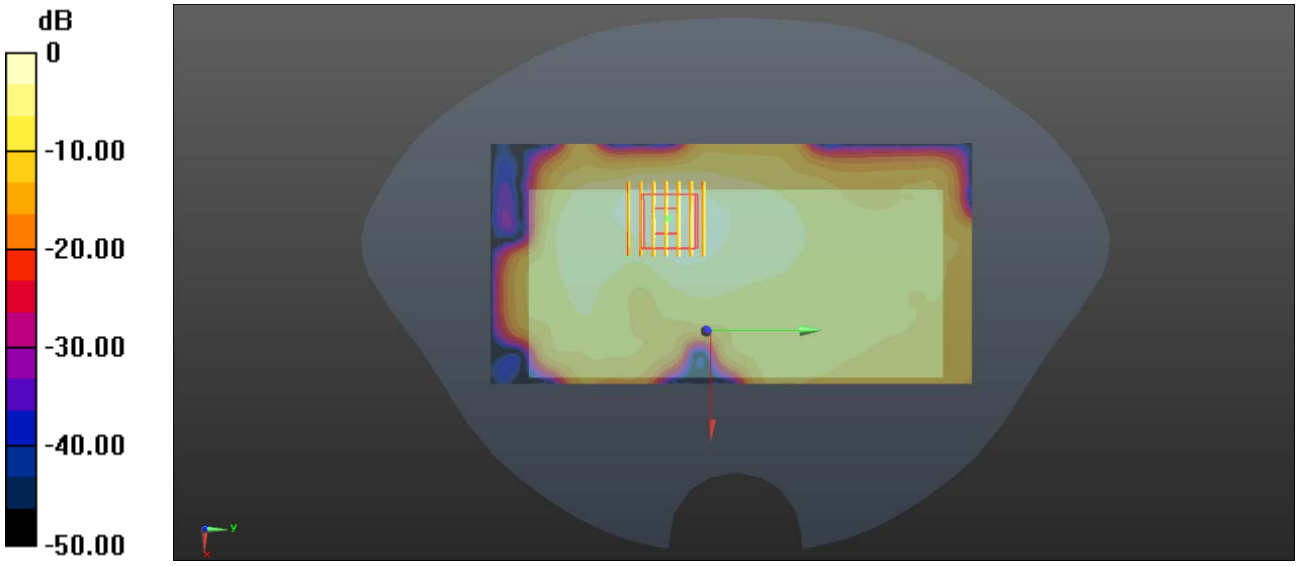
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.667 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.469 W/kg

SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.116 W/kg

Maximum value of SAR (measured) = 0.258 W/kg



0 dB = 0.258 W/kg

39-Body Plane with Back Side 10mm on High Channel in LTE B38 mode with Antenna4

Date: 2021/12/30

Communication System Band: BAND 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 2.031 S/m; ε_r = 38.956; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.608 W/kg

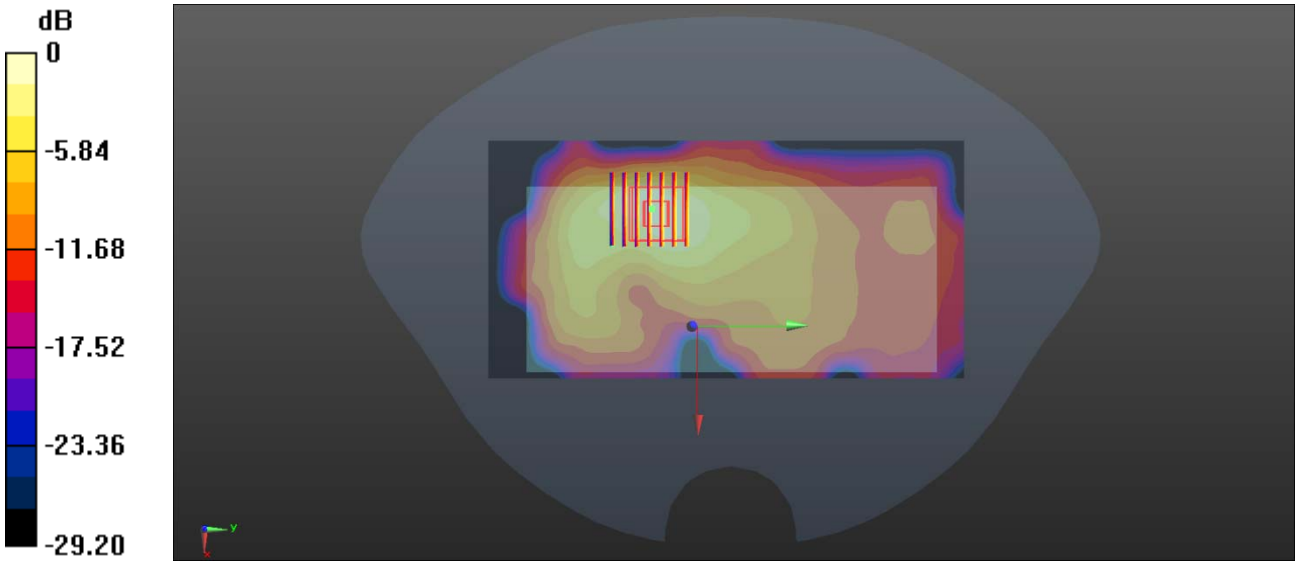
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.763 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.534 W/kg; SAR(10 g) = 0.247 W/kg

Maximum value of SAR (measured) = 0.597 W/kg



0 dB = 0.597 W/kg

40-Right Head with Cheek on High Channel in LTE Band41 mode with Antenna4

Date: 2021.12.27

Communication System Band: BAND41; Frequency: 2680 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2680 MHz; σ = 2.09 S/m; ε_r = 37.74; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.674 W/kg

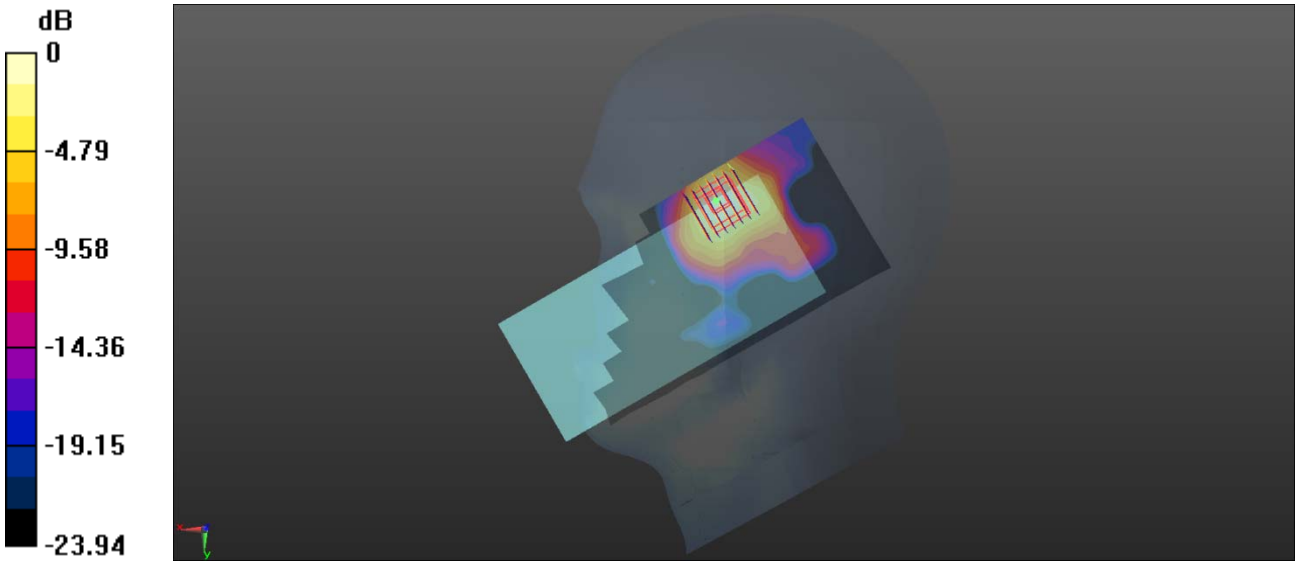
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.780 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.526 W/kg; SAR(10 g) = 0.241 W/kg

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



0 dB = 0.607 W/kg

41-Body Plane with Back Side 15mm on High Channel in LTE Band41 mode with Antenna4

Date: 2021/12/28

Communication System Band: BAND41; Frequency: 2680 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2680 MHz; σ = 2.01 S/m; ε_r = 37.85; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:20.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.227 W/kg

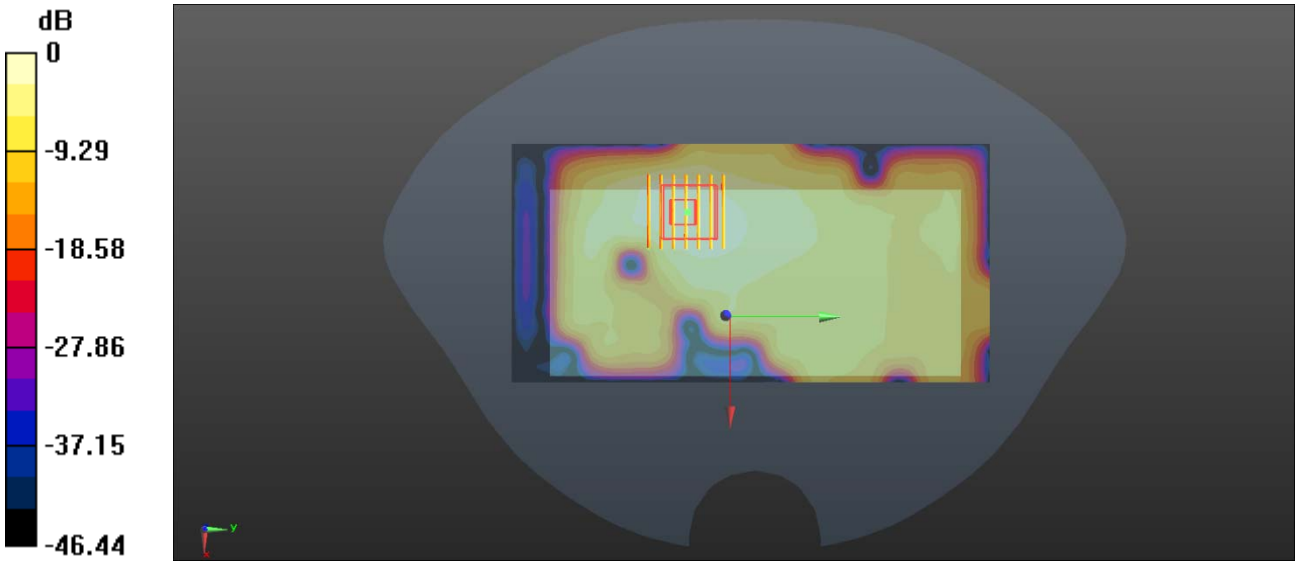
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.174 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.431 W/kg

SAR(1 g) = 0.206 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.227 W/kg



0 dB = 0.227 W/kg

42-Body Plane with Back Side 10mm on High Channel in LTE Band41 mode with Antenna4

Date: 2021/12/28

Communication System Band: BAND41; Frequency: 2680 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2680 MHz; σ = 2.01 S/m; ε_r = 37.85; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:20.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.545 W/kg

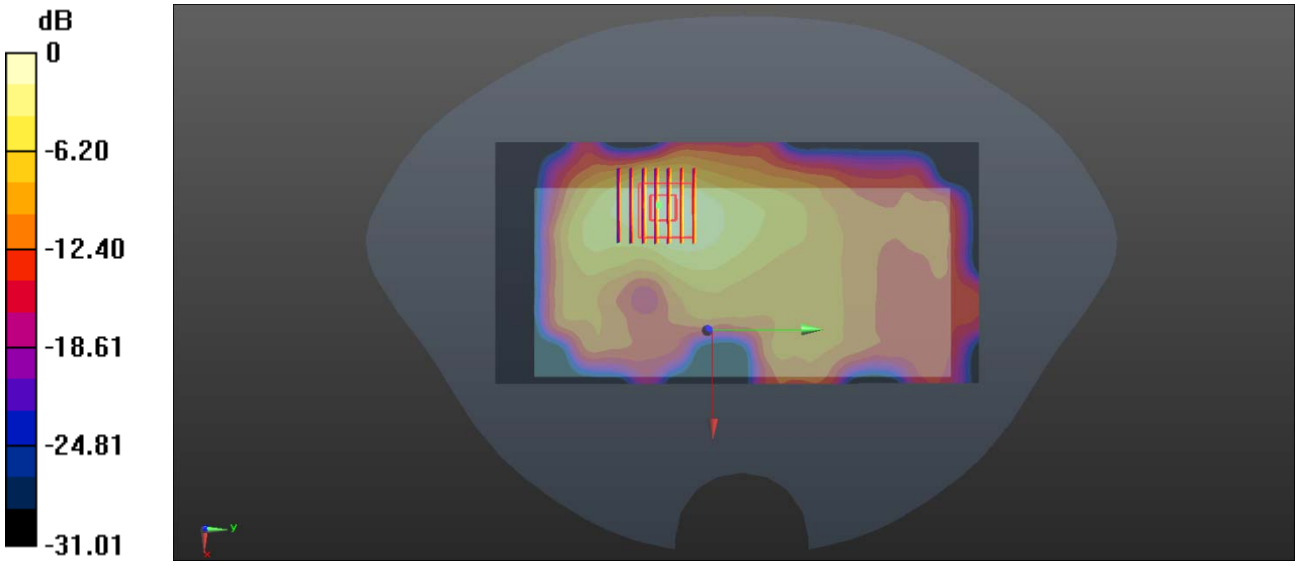
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.339 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.219 W/kg

Maximum value of SAR (measured) = 0.535 W/kg



0 dB = 0.535 W/kg

43-Right Head with Cheek on 167300 Channel in N5 mode with Antenna1

Date: 2021/12/17

Communication System Band: N5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.881 S/m; ε_r = 41.111; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch167300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.661 W/kg

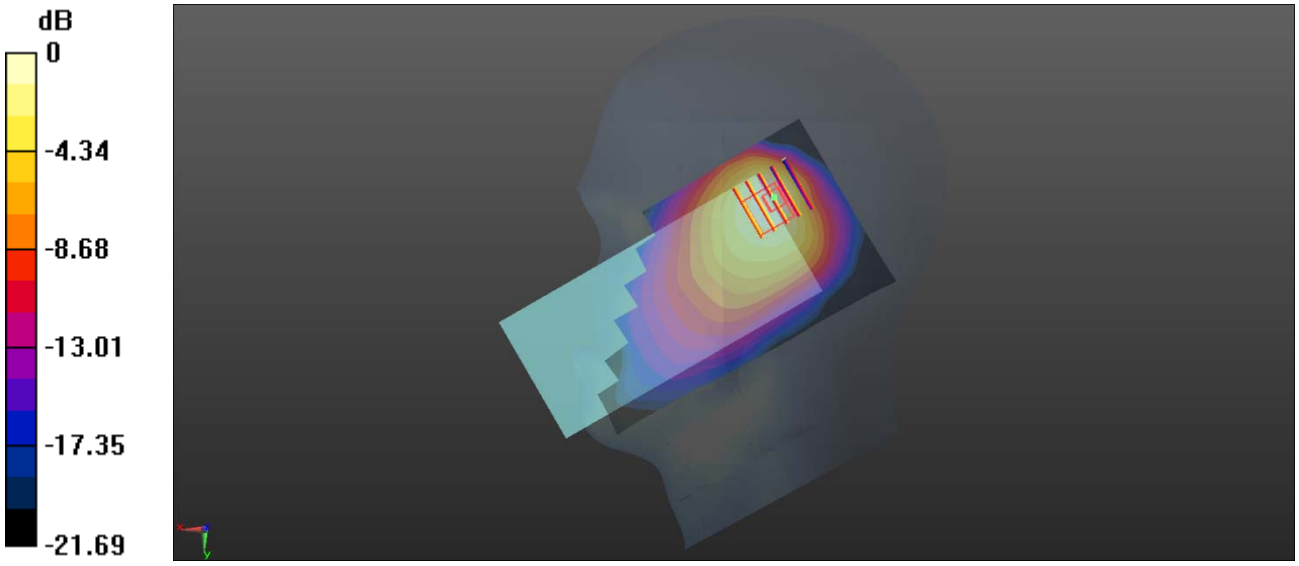
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.26 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.285 W/kg

Maximum value of SAR (measured) = 0.549 W/kg



0 dB = 0.549 W/kg

44-Body Plane with Back Side 15mm on 166800 Channel in N5 mode with Antenna1

Date: 2021/12/17

Communication System Band: N5; Frequency: 834 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 834 MHz; σ = 0.875 S/m; ε_r = 41.359; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch166800/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.237 W/kg

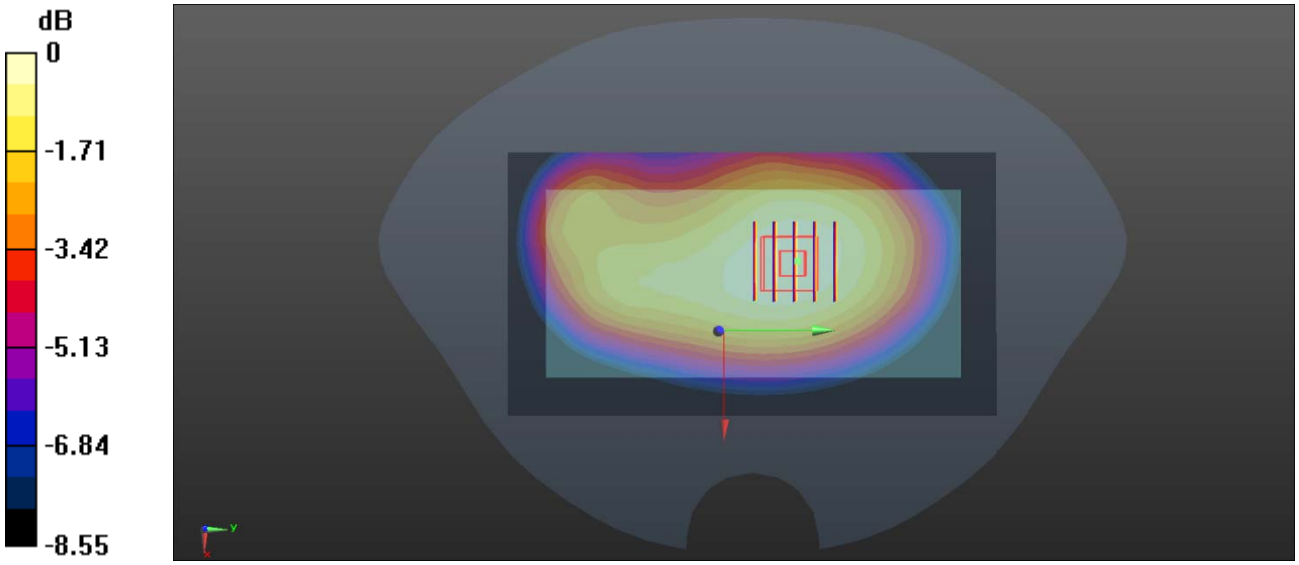
Ch166800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.74 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.176 W/kg

Maximum value of SAR (measured) = 0.242 W/kg



0 dB = 0.242 W/kg

45-Body Plane with Back Side 10mm on 166800 Channel in N5 mode with Antenna1

Date: 2021/12/17

Communication System Band: N5; Frequency: 834 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 834 MHz; σ = 0.875 S/m; ε_r = 41.359; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch166800/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.400 W/kg

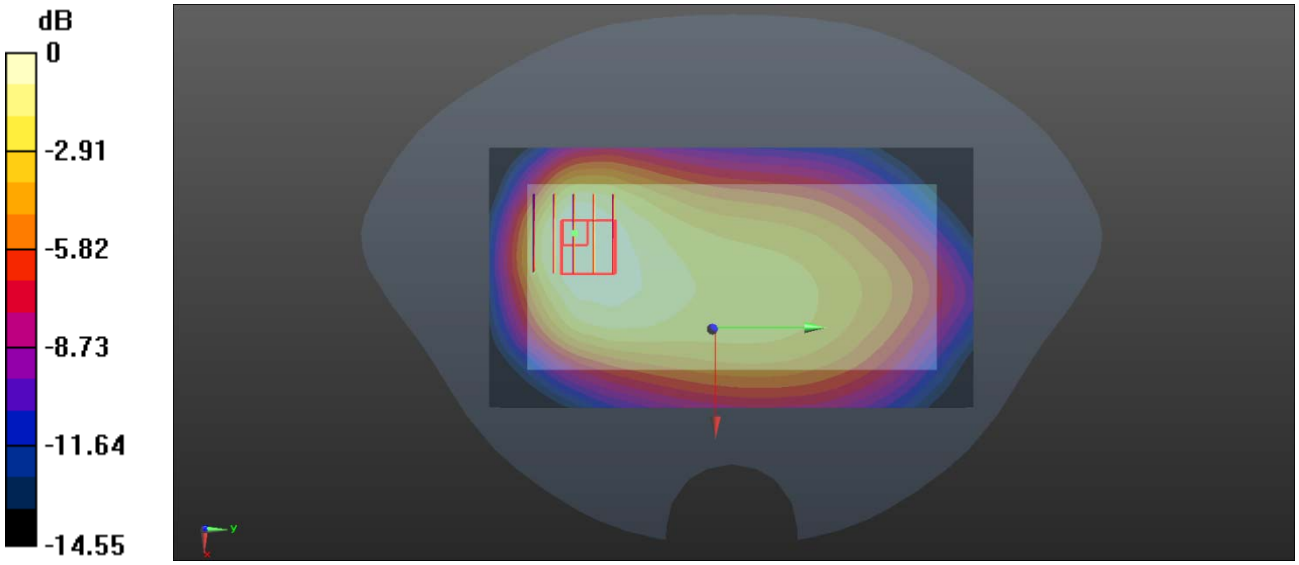
Ch166800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.14 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.553 W/kg

SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.221 W/kg

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



0 dB = 0.365 W/kg

46-Right Head with Tilt on 507000 Channel in N7 mode with Antenna1

Date: 2021.12.21

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.862 S/m; ε_r = 38.12; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

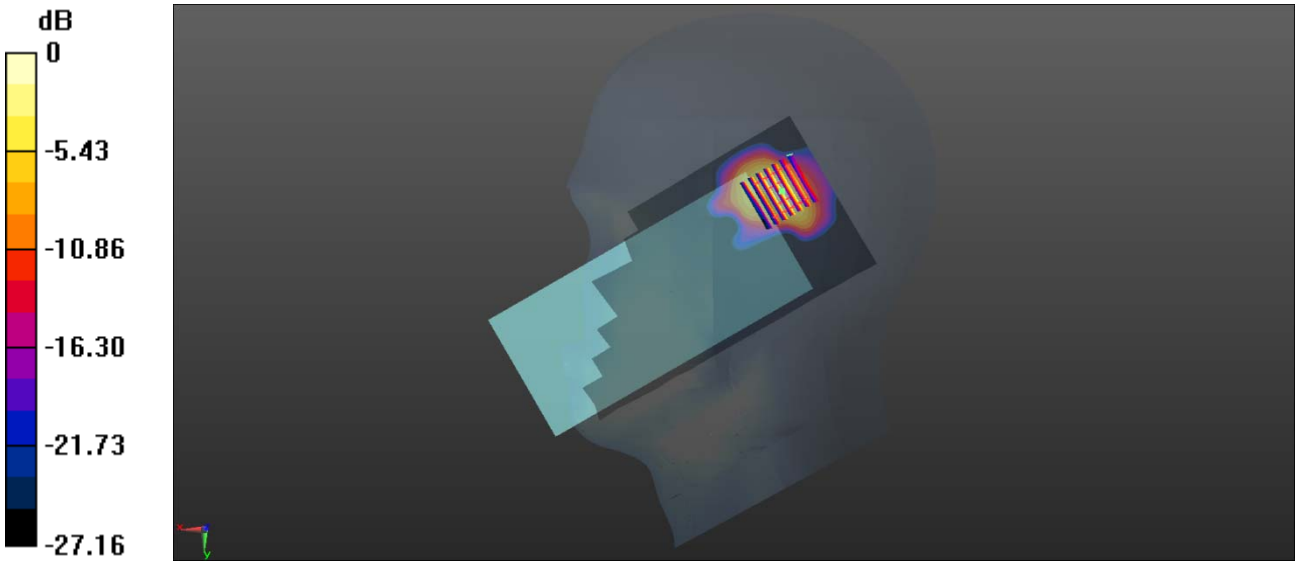
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.561 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.527 W/kg



0 dB = 0.527 W/kg

47-Body Plane with Back Side 15mm on 507000 Channel in N7 mode mode with Antenna4

Date: 2021.12.22

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.901 S/m; ε_r = 38.672; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

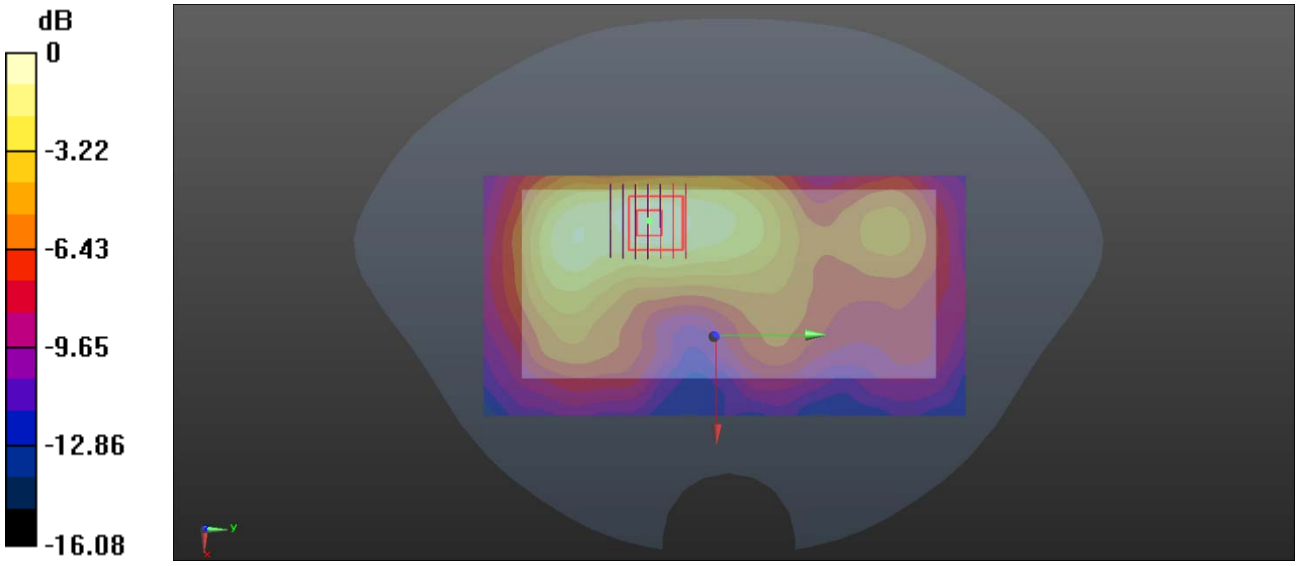
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.439 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.093 W/kg

Maximum value of SAR (measured) = 0.190 W/kg



0 dB = 0.190 W/kg

48-Body Plane with Back Side 10mm on 507000 Channel in N7 mode with Antenna4

Date: 2021.12.22

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.901 S/m; ε_r = 38.672; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.466 W/kg

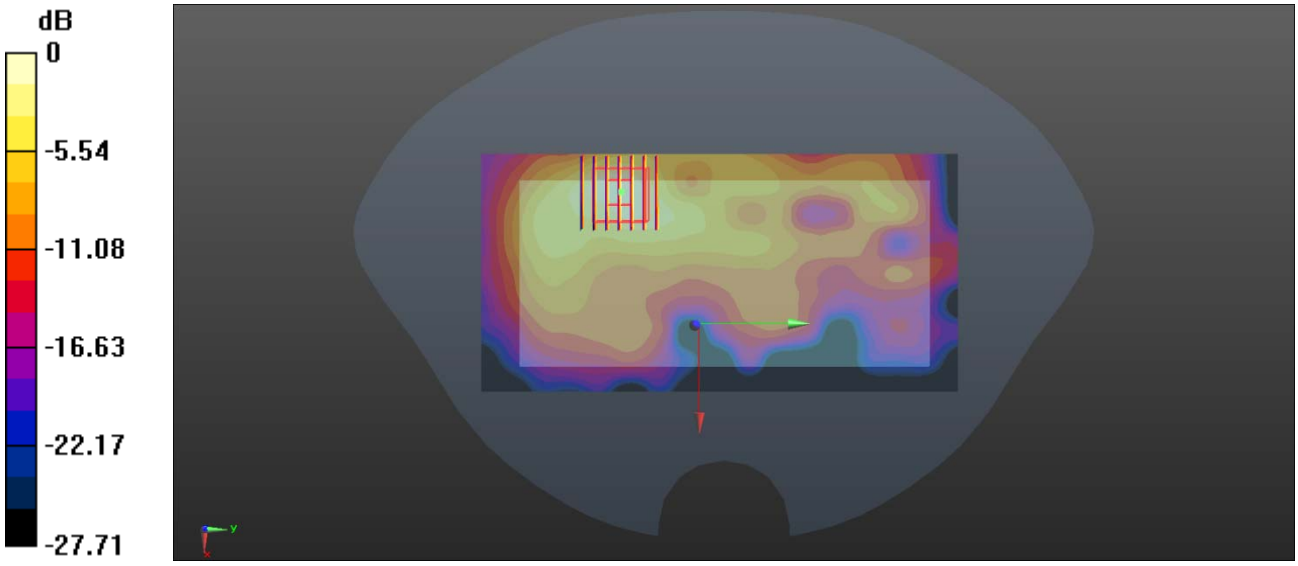
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.099 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.853 W/kg

SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.189 W/kg

Maximum value of SAR (measured) = 0.457 W/kg



0 dB = 0.457 W/kg

49-Right Head with Cheek on 520000 Channel in N38 mode with Antenna4

Date: 2021/12/31

Communication System Band: N38; Frequency: 2600 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.934 S/m; ε_r = 38.068; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch520000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

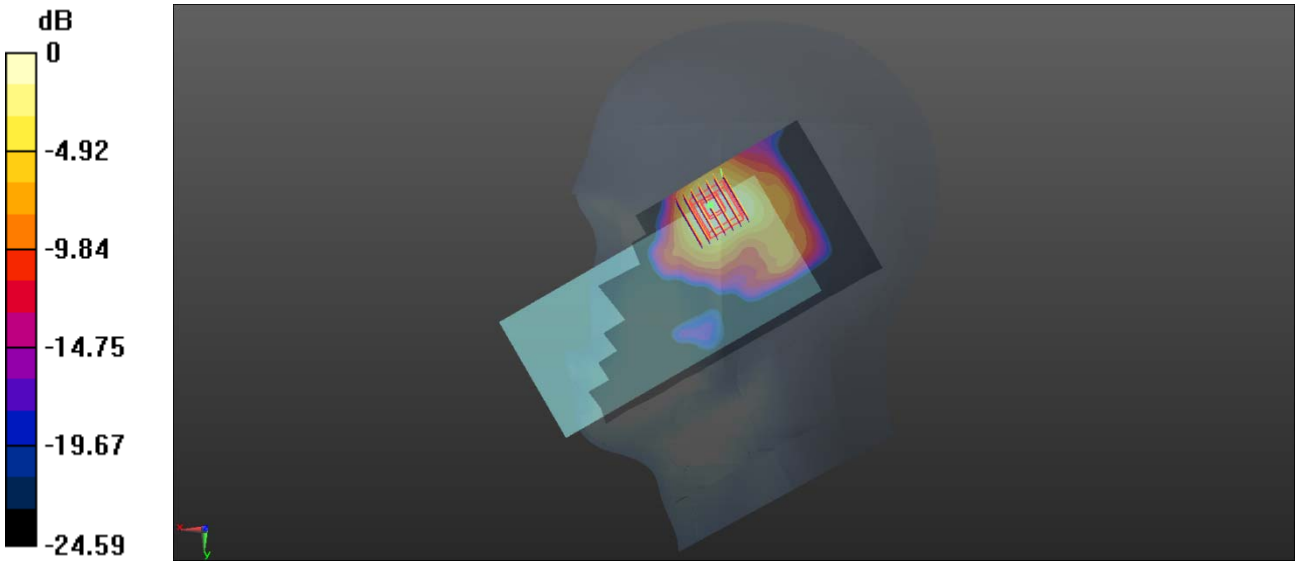
Ch520000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.499 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.303 W/kg

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



0 dB = 0.693 W/kg

50-Body Plane with Back Side 15mm on 520000 Channel in N38 mode with Antenna0

Date: 2022/1/1

Communication System Band: N38; Frequency: 2600 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.988 S/m; ε_r = 39.446; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch520000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.434 W/kg

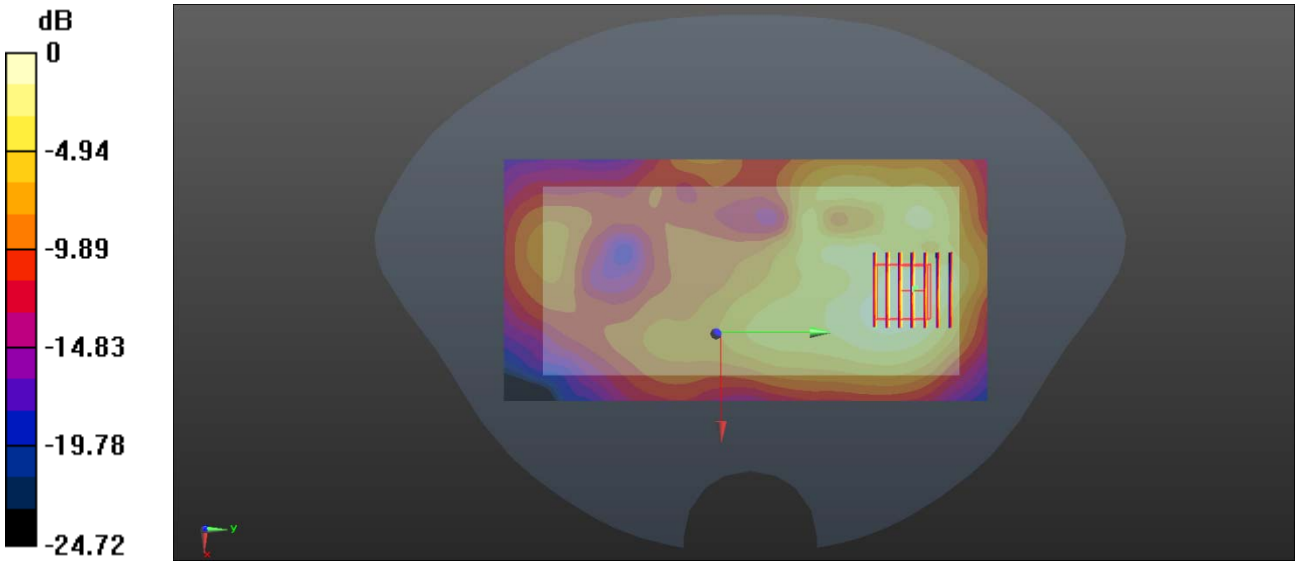
Ch520000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.614 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.797 W/kg

SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.204 W/kg

Maximum value of SAR (measured) = 0.409 W/kg



0 dB = 0.409 W/kg

51-Body Plane with Back Side 10mm on 520000 Channel in N38 mode with Antenna4

Date: 2022/1/1

Communication System Band: N38; Frequency: 2600 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.988 S/m; ε_r = 39.446; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch520000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.786 W/kg

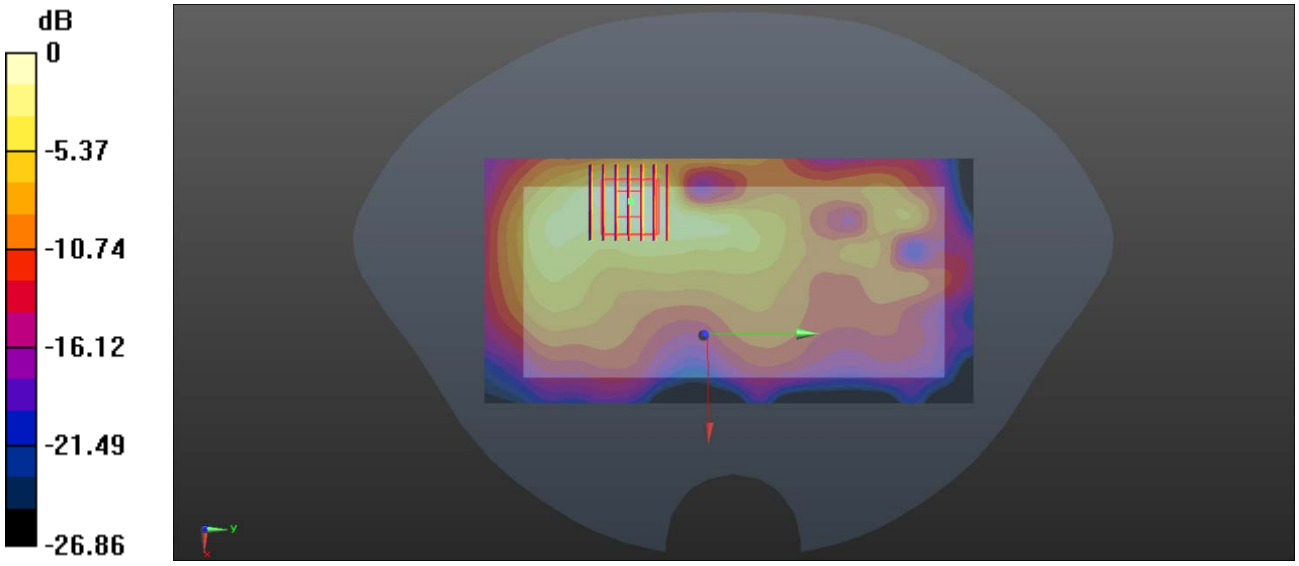
Ch520000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.245 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.321 W/kg

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



0 dB = 0.768 W/kg

52-Right Head with Cheek on 518598 Channel in N41 mode with Antenna4

Date: 2021/12/24

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.976 S/m; ε_r = 39.812; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.746 W/kg

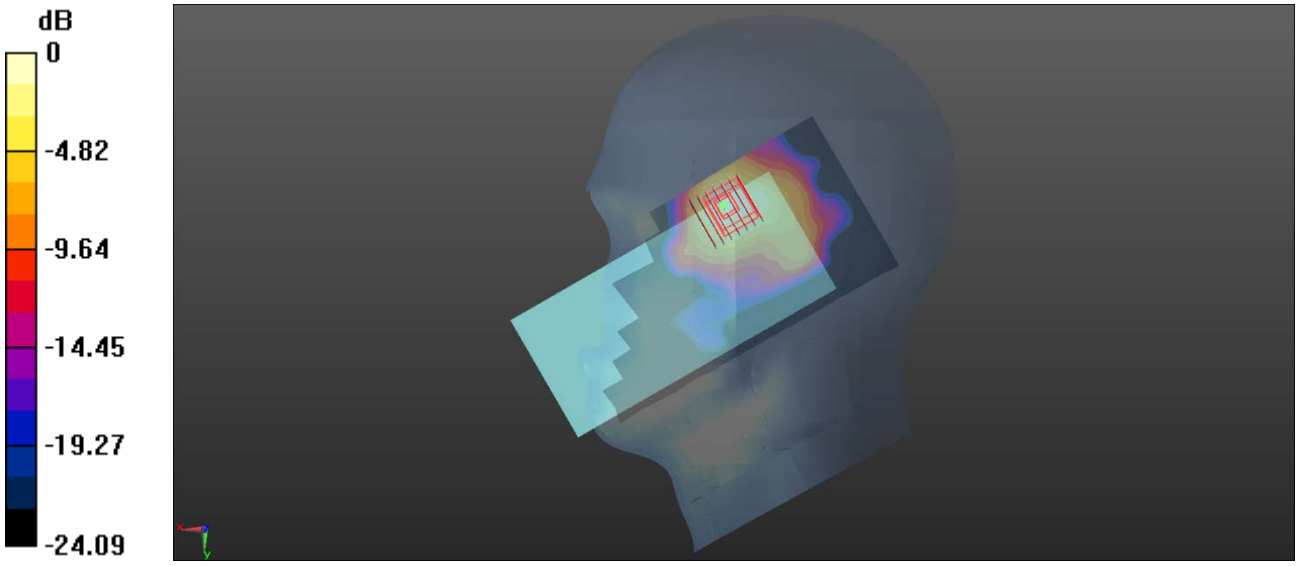
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.382 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.309 W/kg

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



0 dB = 0.705 W/kg

53-Body Plane with Back Side 15mm on 518598 Channel in N41 mode with Antenna0

Date: 2021/12/25

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.948 S/m; ε_r = 39.442; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.313 W/kg

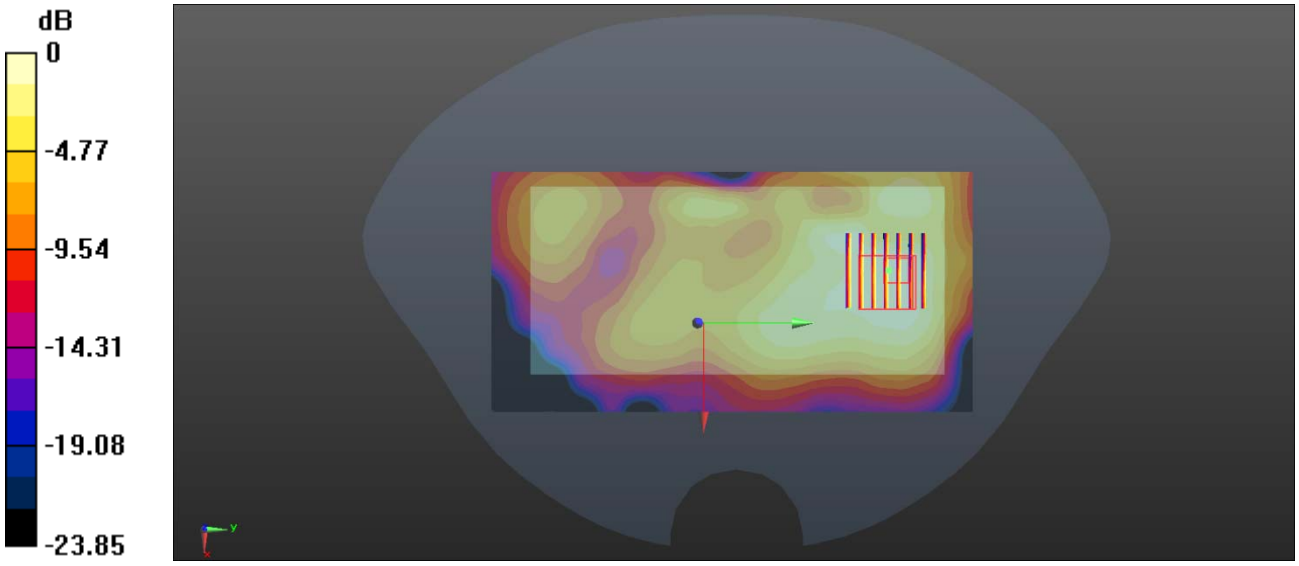
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.812 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.569 W/kg

SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.160 W/kg

Maximum value of SAR (measured) = 0.302 W/kg



0 dB = 0.302 W/kg

54-Body Plane with Back Side 10mm on 518598 Channel in N41 mode with Antenna4

Date: 2021/12/25

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.948 S/m; ε_r = 39.442; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.685 W/kg

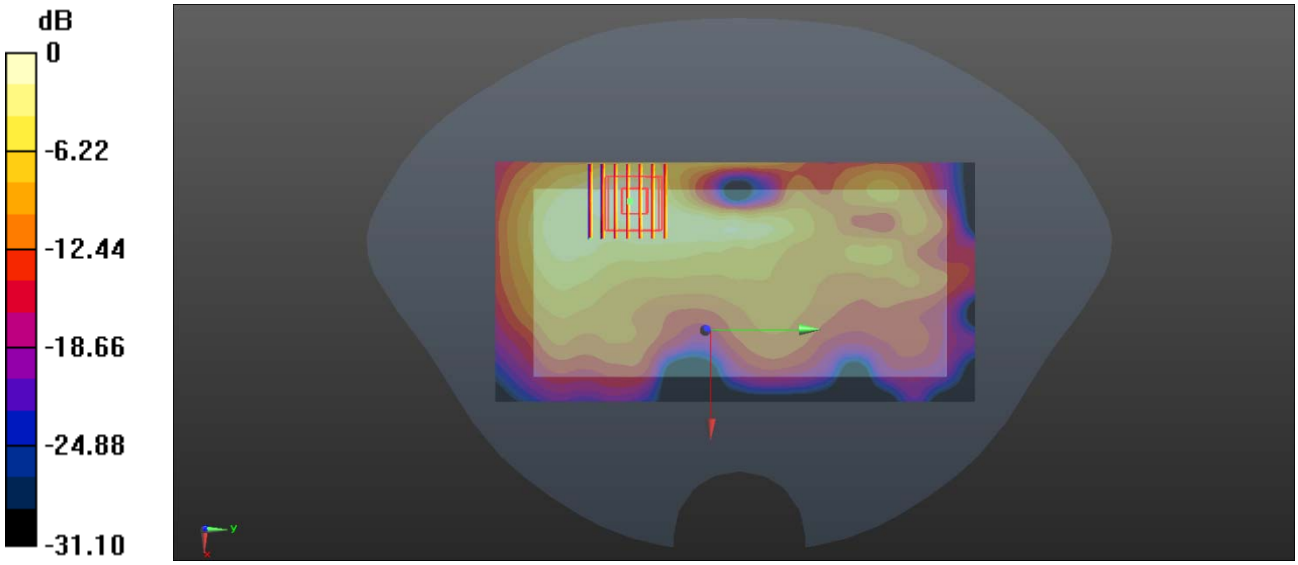
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.153 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.622 W/kg; SAR(10 g) = 0.296 W/kg

Maximum value of SAR (measured) = 0.691 W/kg



0 dB = 0.691 W/kg

55-Left Head with Cheek on 6 Channel in IEEE802.11b mode

Date: 2022/1/16

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.02

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.763 S/m; ε_r = 39.027; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.25 W/kg

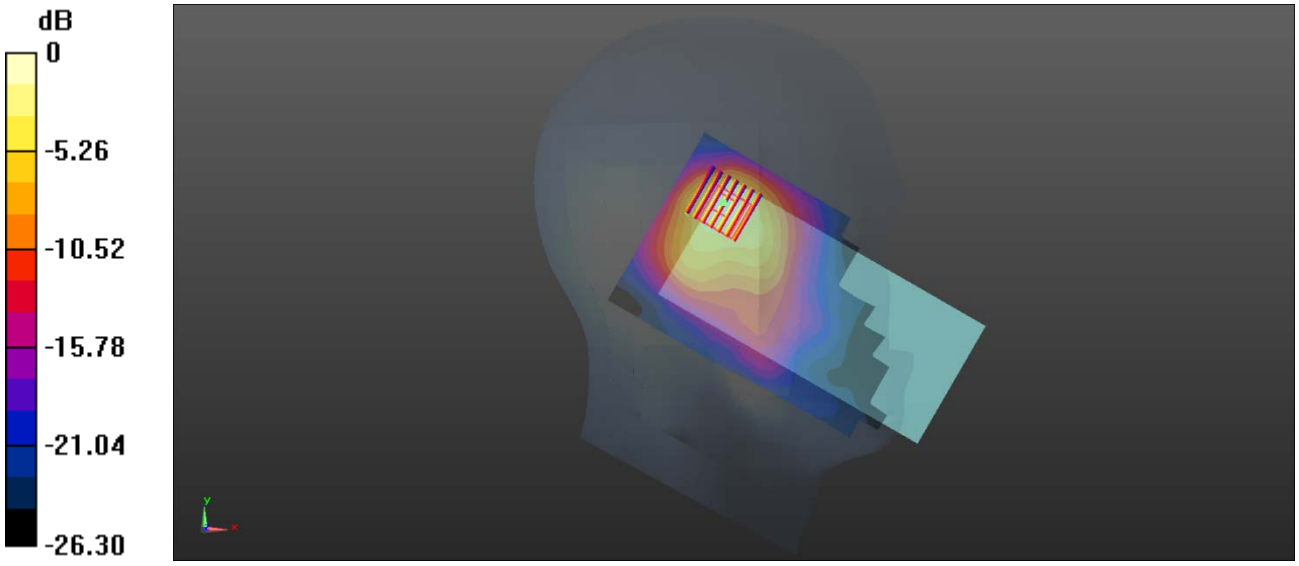
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.49 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 0.905 W/kg; SAR(10 g) = 0.453 W/kg

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



0 dB = 1.08 W/kg

56-Body Plan with Front Side 15mm on 6 Channel in IEEE802.11b mode

Date: 2022/1/16

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.02

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.763 S/m; ε_r = 39.027; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.198 W/kg

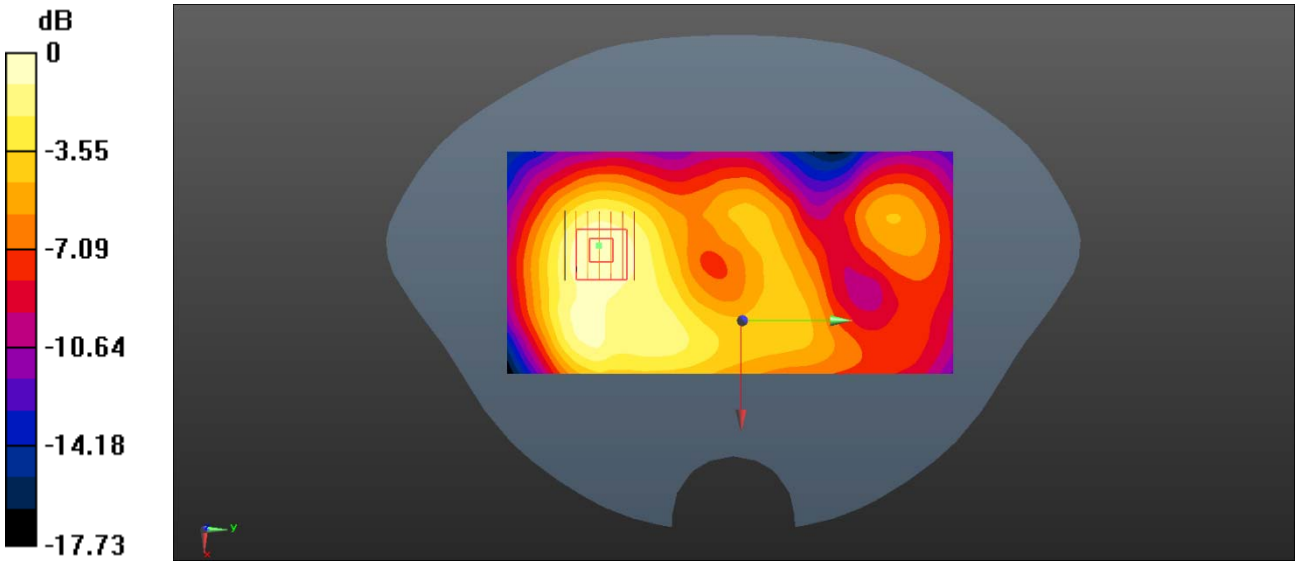
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.999 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.310 W/kg

SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.098 W/kg

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



0 dB = 0.188 W/kg

57-Body Plane with Top Edge 10mm on 6 Channel in IEEE802.11b mode

Date: 2022/1/16

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.02

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.763 S/m; ε_r = 39.027; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.432 W/kg

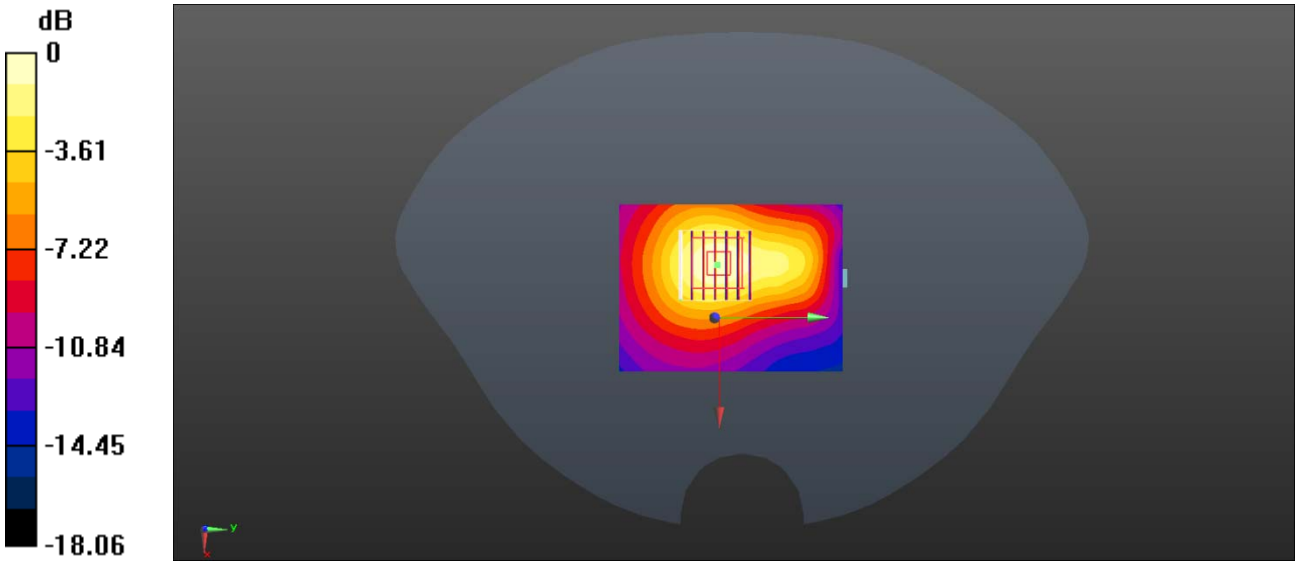
Ch6/Zoom Scan (7x7x16)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.30 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.703 W/kg

SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.190 W/kg

Maximum value of SAR (measured) = 0.430 W/kg



0 dB = 0.430 W/kg

58-Left Head with Cheek on 58 Channel in IEEE802.11ac80 Mode

Date: 2022/1/10

Communication System Band: WLAN(ac80); Frequency: 5290 MHz;Duty Cycle: 1:1.087

Medium parameters used (interpolated): f = 5290 MHz; σ = 4.787 S/m; ε_r = 35.446; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.102 W/kg

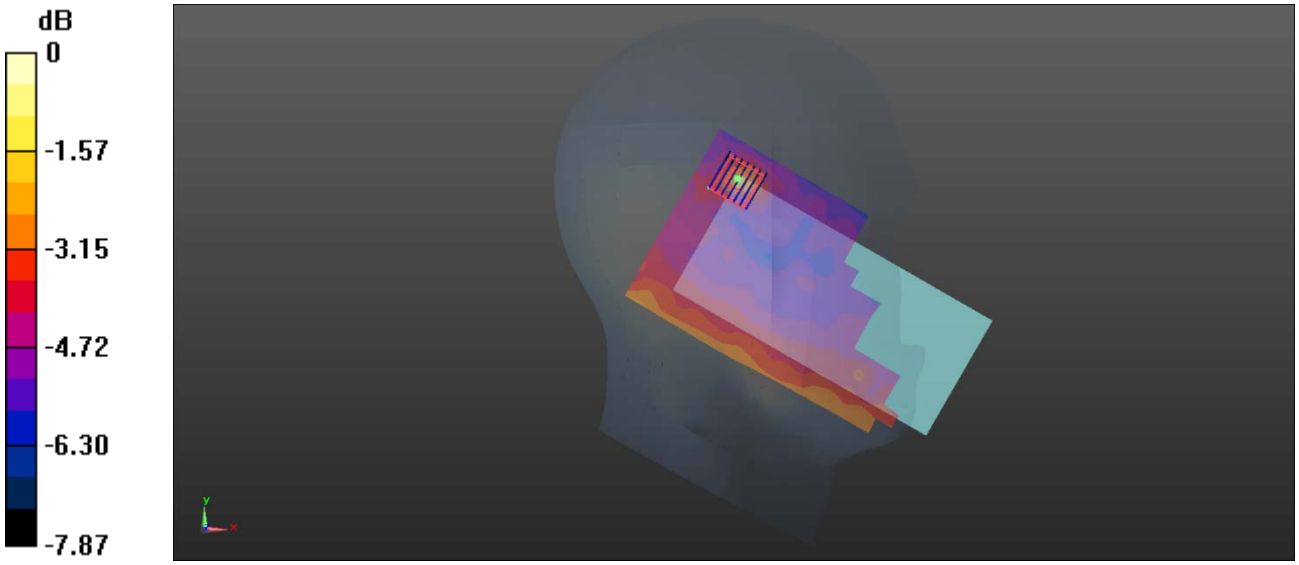
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.140 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.279 W/kg

SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.047 W/kg

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



0 dB = 0.151 W/kg

59-Left Head with Cheek on 106 Channel in IEEE802.11ac80 mode

Date: 2022/1/11

Communication System Band: WLAN(ac80); Frequency: 5530 MHz;Duty Cycle: 1:1.087

Medium parameters used (interpolated): f = 5530 MHz; σ = 4.94 S/m; ε_r = 35.92; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.1, 5.1, 5.1); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch106/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0801 W/kg

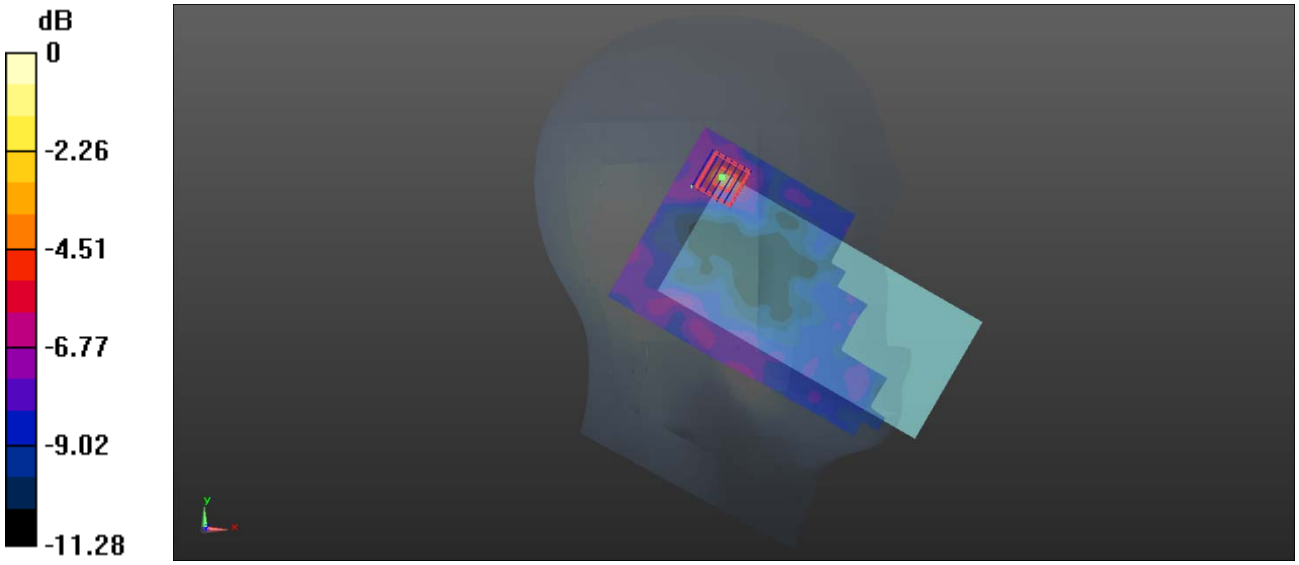
Ch106/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.558 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.479 W/kg

SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.036 W/kg

Maximum value of SAR (measured) = 0.166 W/kg



0 dB = 0.166 W/kg

60-Left Head with Cheek on 155 Channel in IEEE802.11ac80 mode

Date: 2022/1/13

Communication System Band: WLAN(ac80); Frequency: 5775 MHz;Duty Cycle: 1:1.087

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.22 S/m; ε_r = 35.36; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.15, 5.15, 5.15); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.116 W/kg

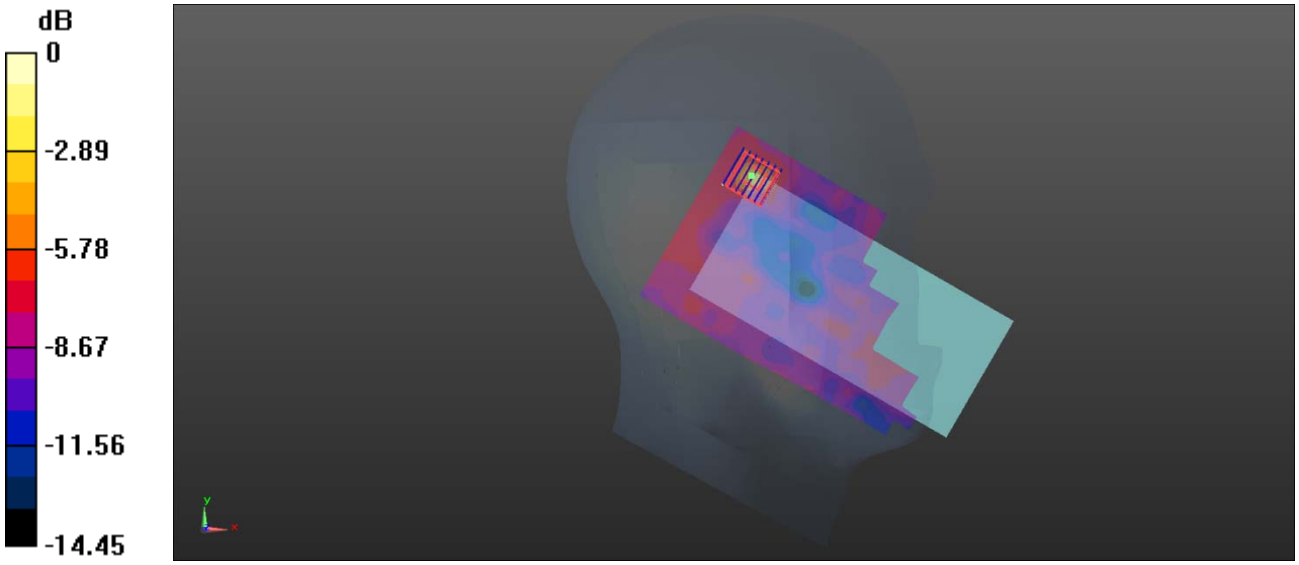
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.9310 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.564 W/kg

SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.036 W/kg

Maximum value of SAR (measured) = 0.212 W/kg



0 dB = 0.212 W/kg

61-Body Plan with Back Side 15mm on 54 Channel in IEEE802.11n40 mode

Date: 2022/1/10

Communication System Band: WLAN(n40); Frequency: 5270 MHz;Duty Cycle: 1:1.045

Medium parameters used (interpolated): f = 5270 MHz; σ = 4.73 S/m; ε_r = 35.71; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.678 W/kg

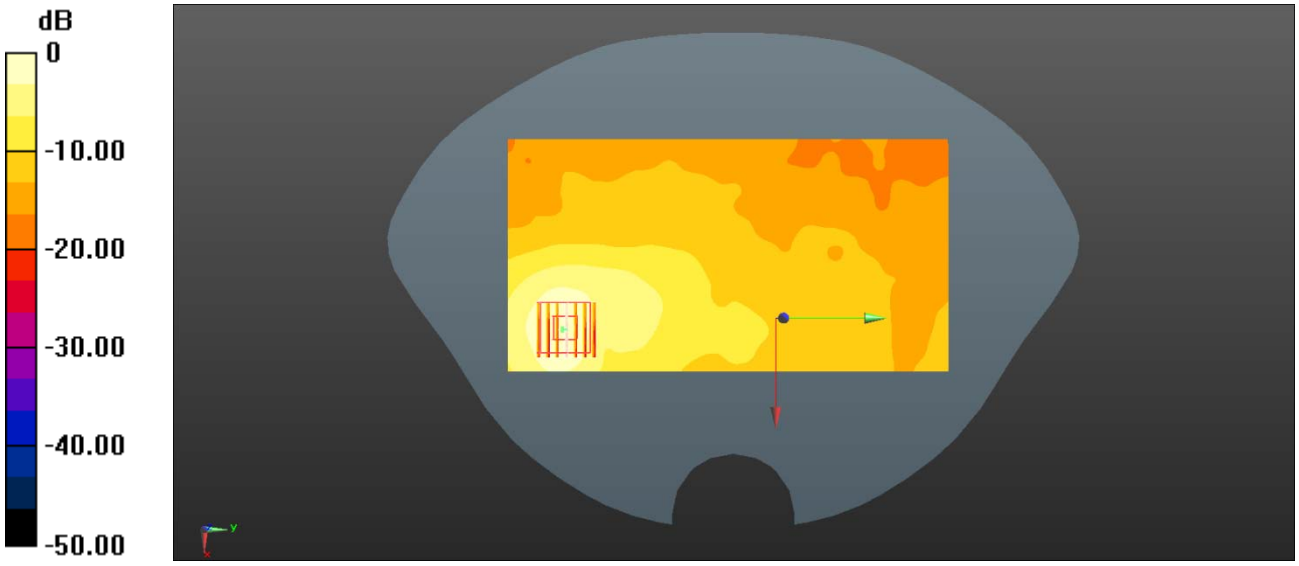
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.659 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.152 W/kg

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



0 dB = 0.677 W/kg

62-Body Plan with Back Side 15mm on 106 Channel in IEEE802.11ac80 mode

Date: 2022/1/11

Communication System Band: WLAN(ac80); Frequency: 5530 MHz;Duty Cycle: 1:1.087

Medium parameters used (interpolated): f = 5530 MHz; σ = 4.94 S/m; ε_r = 35.92; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.1, 5.1, 5.1); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch106/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.789 W/kg

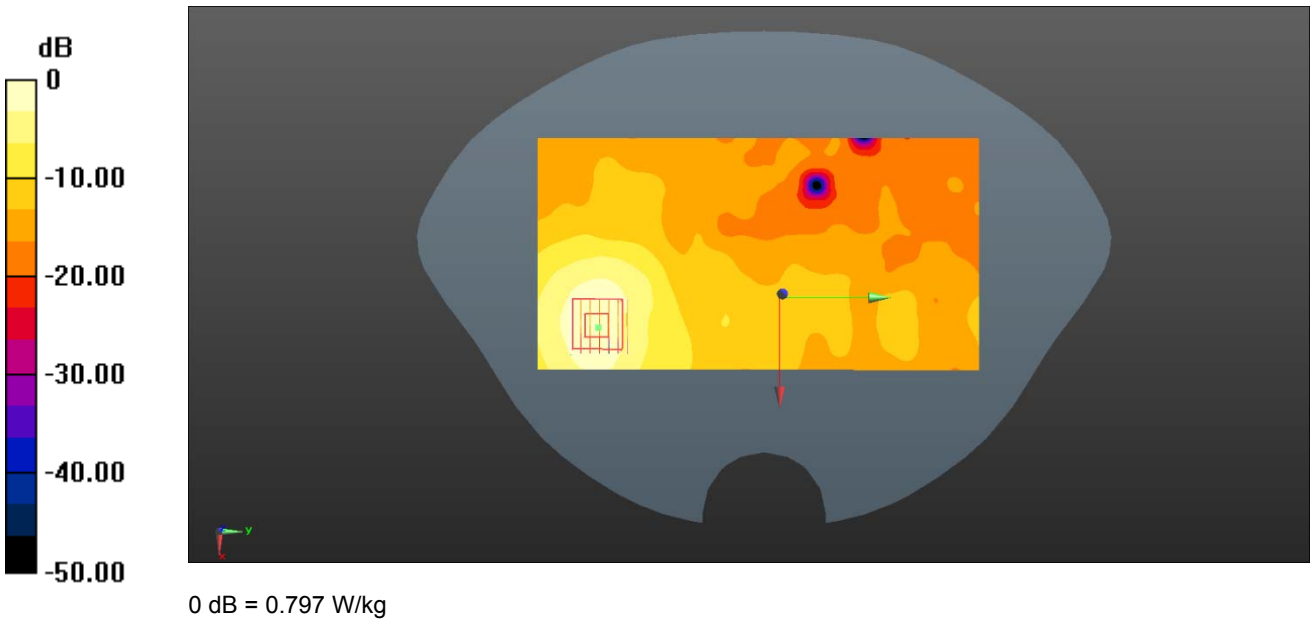
Ch106/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.226 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.449 W/kg; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.797 W/kg



0 dB = 0.797 W/kg

63-Body Plan with Back Side 15mm on 155 Channel in IEEE802.11ac80 mode

Date: 2022/1/13

Communication System Band: WLAN(ac80); Frequency: 5775 MHz;Duty Cycle: 1:1.087

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.22 S/m; ε_r = 35.36; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.15, 5.15, 5.15); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.550 W/kg

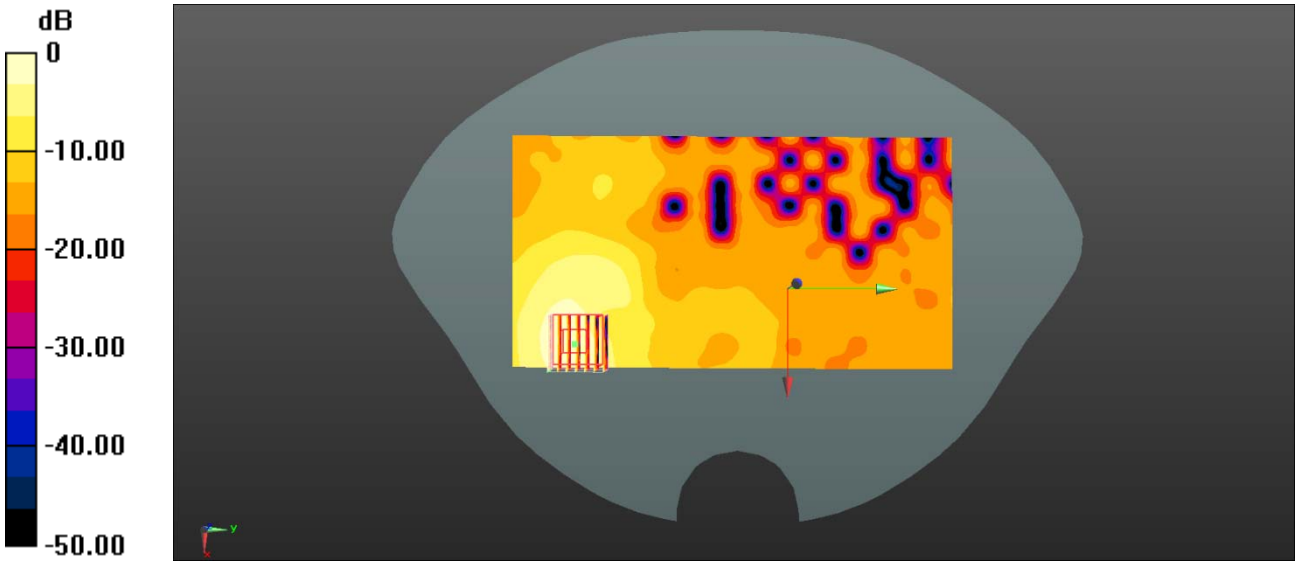
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.527 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.540 W/kg



0 dB = 0.540 W/kg

64-Body Plane with Top Edge 10mm on 42 Channel in IEEE802.11ac80 mode

Date: 2022/1/10

Communication System Band: WLAN(ac80); Frequency: 5210 MHz;Duty Cycle: 1:1.087

Medium parameters used (interpolated): f = 5210 MHz; σ = 4.62 S/m; ε_r = 36.47; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch42/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.589 W/kg

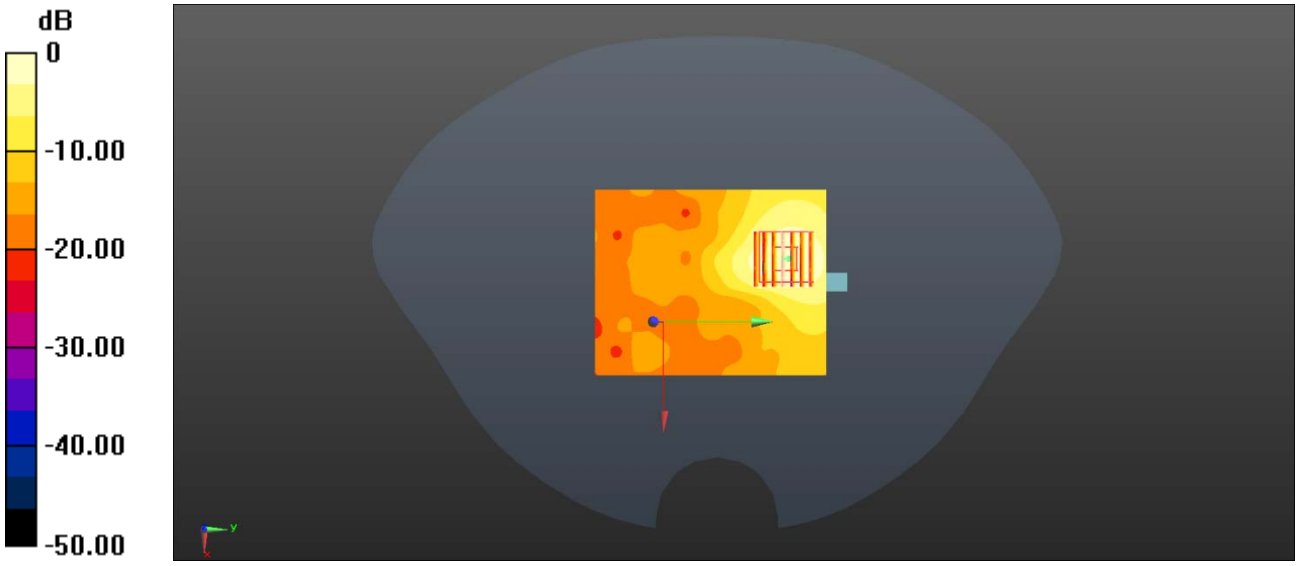
Ch42/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.088 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.125 W/kg

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



0 dB = 0.596 W/kg

65-Body Plane with Top Edge 10mm on 155 Channel in IEEE802.11ac80 mode

Date: 2022/1/13

Communication System Band: WLAN(ac80); Frequency: 5775 MHz;Duty Cycle: 1:1.087

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.22 S/m; ε_r = 35.36; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.15, 5.15, 5.15); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.505 W/kg

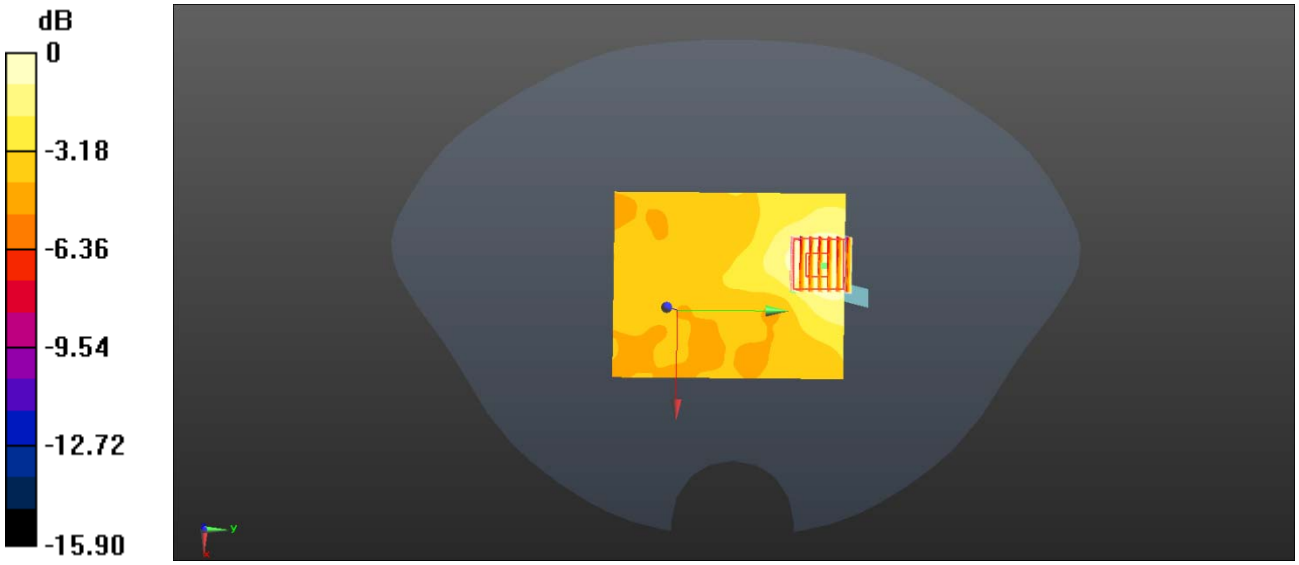
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.088 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.106 W/kg

Maximum value of SAR (measured) = 0.513 W/kg



0 dB = 0.505 W/kg

66-Body Plane with Top Edge 0mm on 54 Channel in IEEE802.11n40 mode

Date: 2022/1/10

Communication System Band: WLAN(n40); Frequency: 5270 MHz;Duty Cycle: 1:1.045

Medium parameters used (interpolated): f = 5270 MHz; σ = 4.73 S/m; ε_r = 35.71; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch54/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.30 W/kg

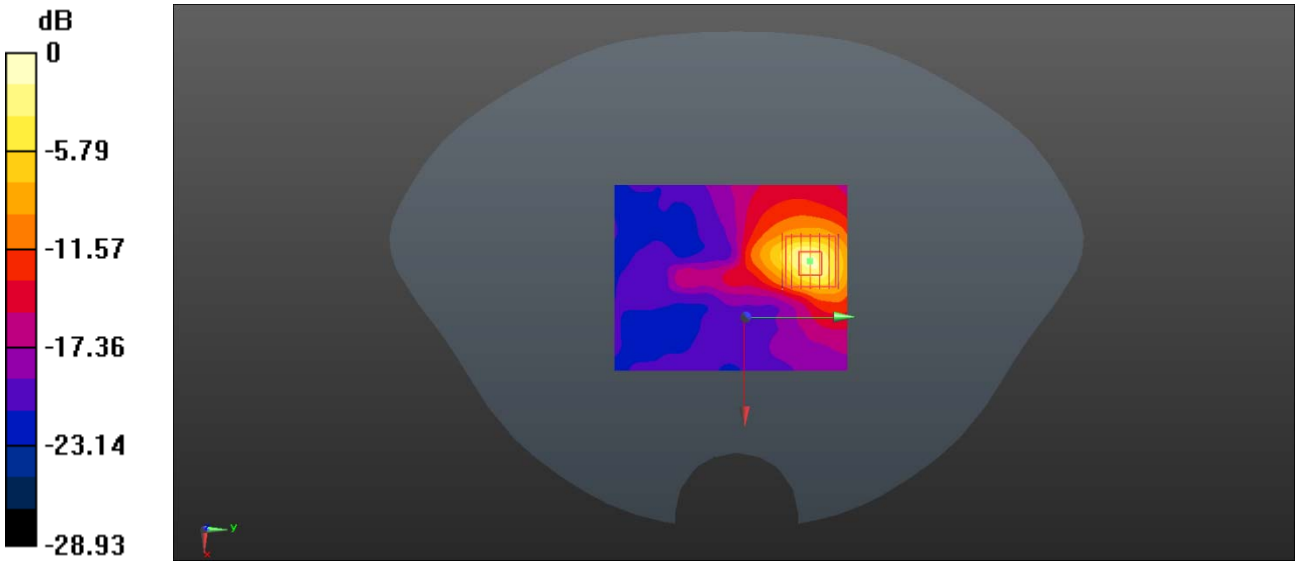
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.570 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 40.6 W/kg

SAR(1 g) = 6.21 W/kg; SAR(10 g) = 1.35 W/kg

Maximum value of SAR (measured) = 14.1 W/kg



0 dB = 9.30 W/kg

67-Body Plan with Front Side 0mm on 122 Channel in IEEE802.11ac80 mode

Date: 2022/1/11

Communication System Band:WLAN(ac80); Frequency: 5610 MHz;Duty Cycle: 1:1.087

Medium parameters used (interpolated): f = 5610 MHz; σ = 5.07 S/m; ε_r = 35.129; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.1, 5.1, 5.1); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 8.97 W/kg

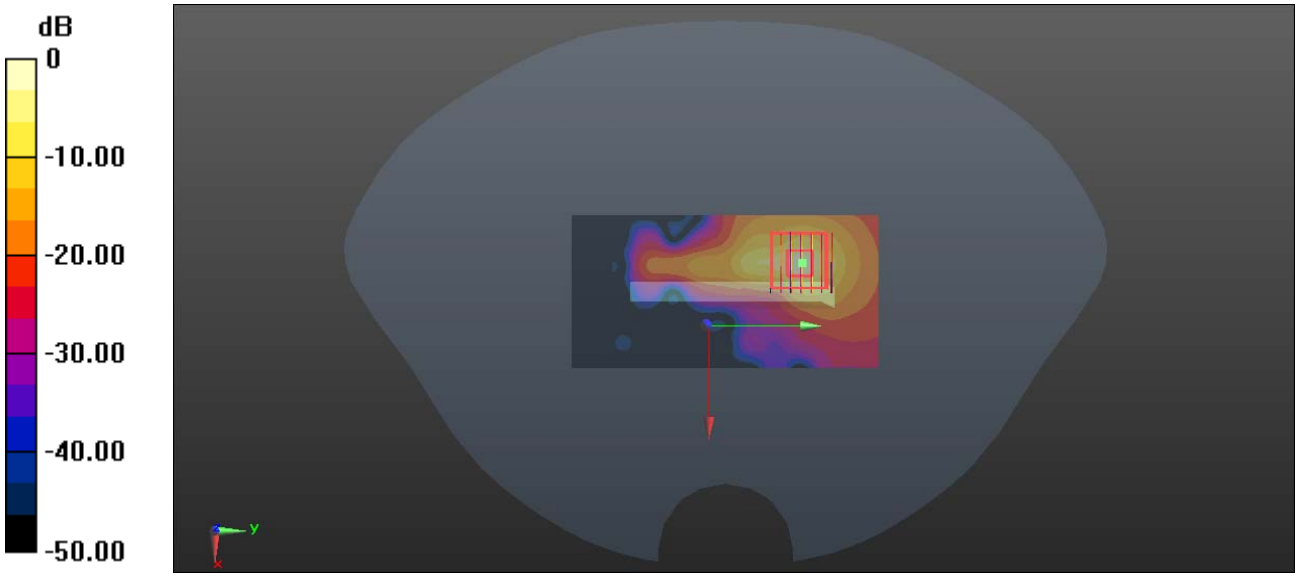
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 30.9 W/kg

SAR(1 g) = 5.23 W/kg; SAR(10 g) = 1.51 W/kg

Maximum value of SAR (measured) = 11.4 W/kg



0 dB = 11.4 W/kg

68-Left Head with Cheek on 39 Channel in BT mode

Date: 2022/1/16

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.31

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.763 S/m; ε_r = 39.027; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.613 W/kg

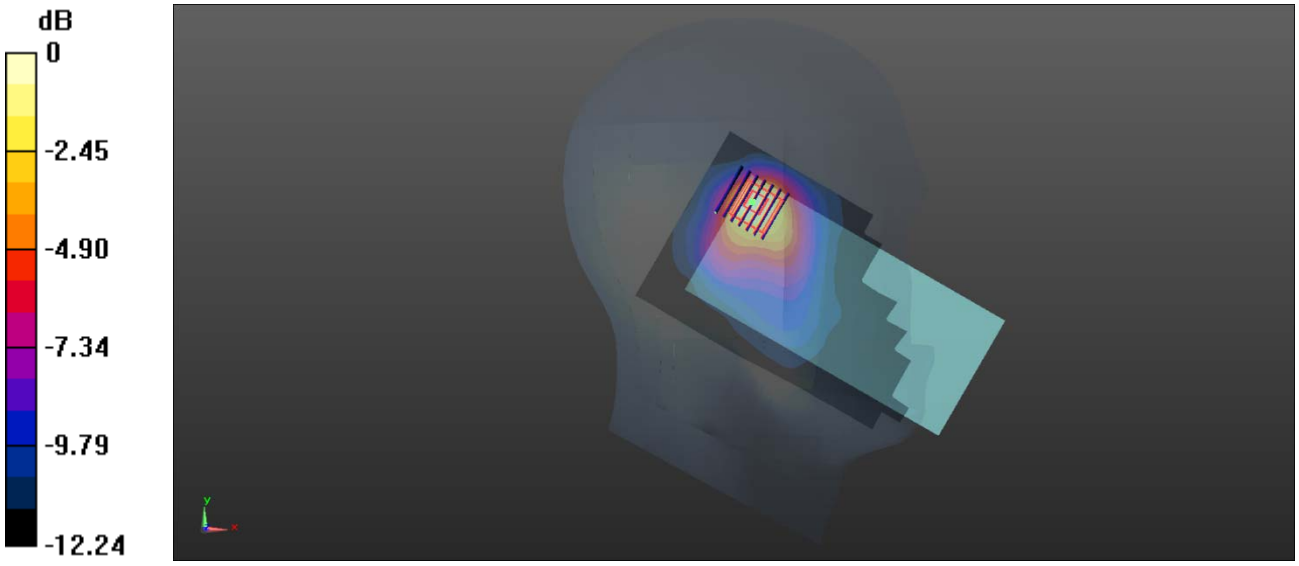
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.103 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.899 W/kg

SAR(1 g) = 0.484 W/kg; SAR(10 g) = 0.235 W/kg

Maximum value of SAR (measured) = 0.520 W/kg



0 dB = 0.520 W/kg

69-Body Plan with Back Side 15mm on 39 Channel in BT mode

Date: 2022/1/16

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.31

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.763 S/m; ε_r = 39.027; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0554 W/kg

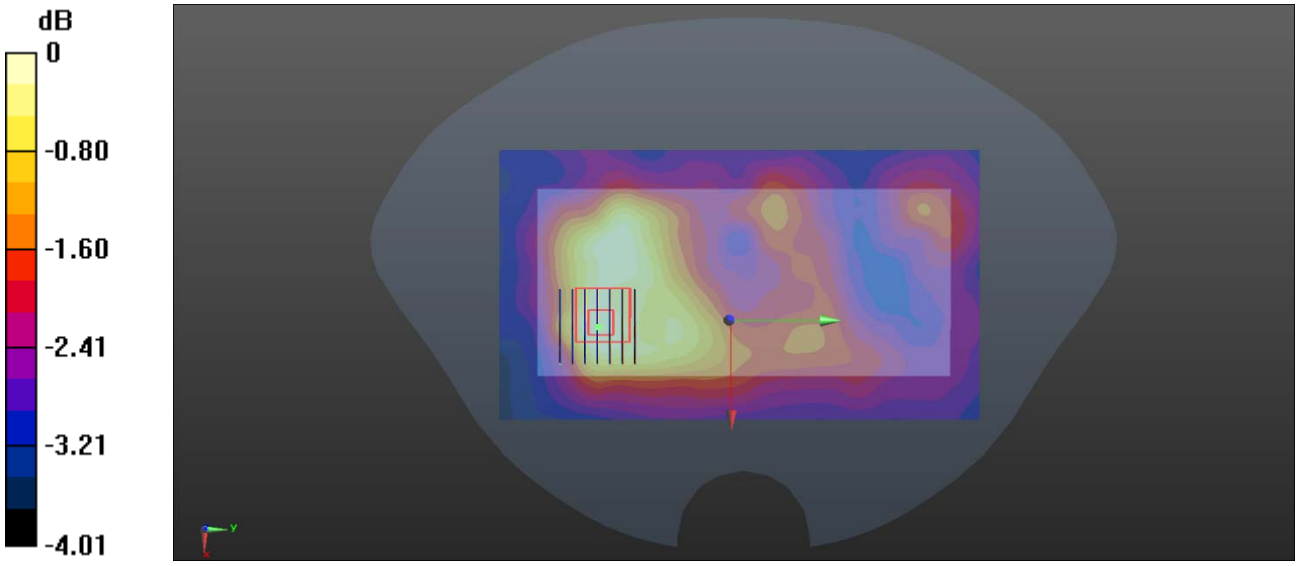
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.951 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.0780 W/kg

SAR(1 g) = 0.050 W/kg; SAR(10 g) = 0.037 W/kg

Maximum value of SAR (measured) = 0.0522 W/kg



0 dB = 0.0522 W/kg

70-Body Plan with Top Side 10mm on 39 Channel in BT mode

Date: 2022/1/16

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.31

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.763 S/m; ε_r = 39.027; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0901 W/kg

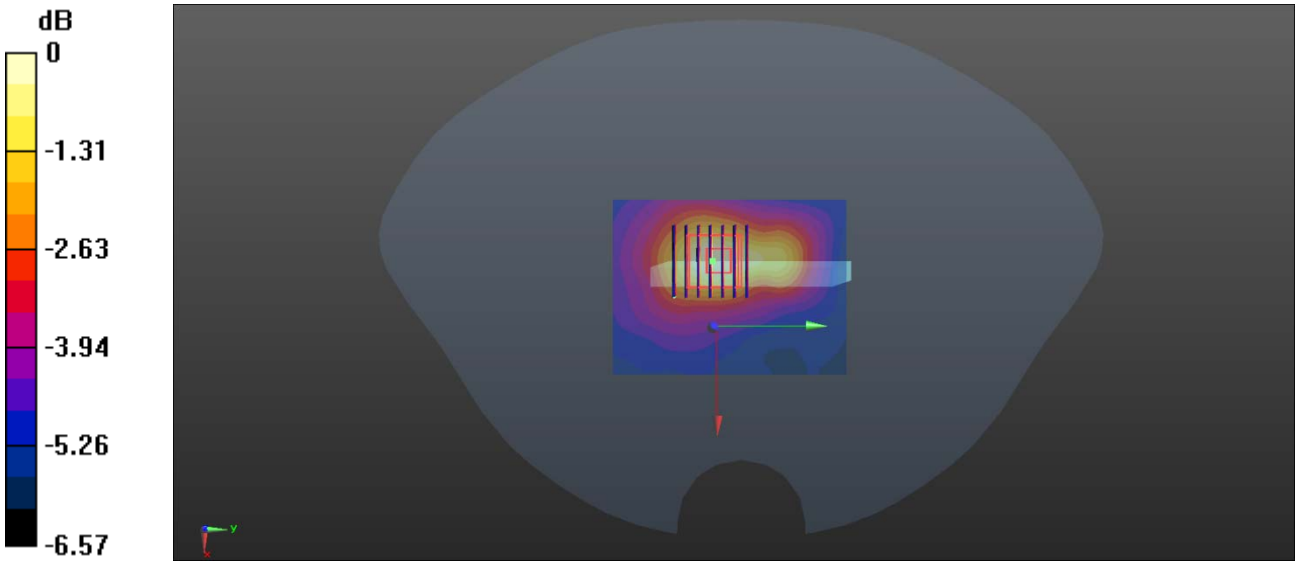
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.226 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.138 W/kg

SAR(1 g) = 0.079 W/kg; SAR(10 g) = 0.050 W/kg

Maximum value of SAR (measured) = 0.0873 W/kg



0 dB = 0.0873 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ21B0785-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ21B0785-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “CALIBRATION REPORT.pdf”.

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