SAR TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

FOR

5G Mobile Phone

ISSUED TO
Nubia Technology Co., Ltd.

Room 1801, Building 2, Chongwen Park, Nanshan Zhiyuan, No.3370, Liuxian Rd, Nanshan District, Shenzhen City, Guangdong Province, P. R. China

Report No.:	BL-SZ2170148-701
EUT Name:	5G Mobile Phone
Model Name:	NX669J-S
Brand Name:	REDMAGIC
FCC ID:	2AHJO-NX669J-S
Test Standard:	47 CFR Part 2.1093 (refer to section 3.1)
Maximum SAR:	Head (1 g): 1.067 W/kg Body (1 g): 0.679 W/kg Hotspot (1 g): 0.939 W/kg Extremity (10 g): 1.804 W/kg
Test Conclusion:	Pass
Test Date:	Jul. 10, 2021 ~ Aug. 15, 2021
Date of Issue:	Aug. 23, 2021

Tested by: Zhang Jiwei
Zhang Jiwei
Date Aug. 23, 2021

Approved by:
Liao Jianming
(Technical Director)
Date Aug. 23, 2021

Block B, 1st FL,Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong, P. R. China 518055
TEL: +86-755-66850100,FAX: +86-755-61824271
Email: qc@baluntek.com
www.baluntek.com

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Aug. 23, 2021	Initial Issue

TABLE OF CONTENTS

1 GENERAL INFORMATION

1.1 Identification of the Testing Laboratory

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

1.2 Identification of the Responsible Testing Location

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

1.3 Test Environment Condition

Ambient Temperature	20℃ to 24℃
Ambient Relative Humidity	35% to 45%
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	Nubia Technology Co., Ltd.
Address	Room 1801, Building 2, Chongwen Park, Nanshan Zhiyuan, No.3370, Liuxian Rd, Nanshan District, Shenzhen City, Guangdong Province, P. R. China

2.2 Manufacturer Information

Manufacturer	Nubia Technology Co., Ltd.
Address	Room 1801, Building 2, Chongwen Park, Nanshan Zhiyuan, No.3370, Liuxian Rd, Nanshan District, Shenzhen City, Guangdong Province, P. R. China

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	5G Mobile Phone
Model Name Under Test	NX669J-S
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	NX669S_V1AMB
Software Version	NX669S_UNCommon_v4.01
Dimensions (Approx.)	169.86*77.19*9.7mm
Weight (Approx.)	215g(with battery)

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	nubia
	Model No.	Li3945T44P8h906455
	Serial No.	N/A
	Capacity	4960 mAh
	Rated Voltage	3.87 V
	Limit Charge Voltage	4.45V

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network CDMA 1x Band Class 0/ 1 EVDO Rel. 0/Rev. A Band Class 0/ 1 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 5G Network SA: n41 NSA(EN-DC): DC_2A_n41A, DC_66A_n41A Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20), 802.11ax(HE20) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80), 802.11ax(HE20/40/80), U-NII-1/2A/2C/3, 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, 2.4G WLAN, 5G WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	CDMA BC 0	TX: 824.025 ~ 848.985 MHz	RX: 869.025 ~ 893.985 MHz
	CDMA BC 1	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	EVDO BC 0	TX: 824.025 ~ 848.985 MHz	RX: 869.025 ~ 893.985 MHz
	EVDO BC 1	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: 2545 ~ 2655 MHz	RX: 2545 ~ 2655 MHz
	n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	802.11b/g	2412 ~ 2462 MHz	
	802.11n(HT20)	2412 ~ 2462 MHz	
	802.11ax(HE20)	2412 ~ 2462 MHz	
	802.11a	5150 ~ 5250 MHz	

		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	802.11 n(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
	802.11 ax(HE20/HE40/ HE80)	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	Not 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 and limb exposure conditions.
3. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
4. 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).
5. The reduction power details please refer section 8.7.

3 SUMMARY OF TEST RESULT

3.1 Test Standards

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

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR (1 g Value)

Band	Maximum Scaled SAR (W/kg)			Maximum Report SAR (W/kg)		
	Head	Body-worn Accessory	Hotspot	Head	Body-worn Accessory	Hotspot
GSM 850	0.794	0.271	0.484			
GSM 1900	0.879	0.227	0.378			
CDMA BC0	0.479	0.193	0.248			
CDMA BC1	**1.067**	0.433	0.725			
WCDMA Band 2	0.797	0.467	0.913			
WCDMA Band 4	0.668	0.267	0.487			
WCDMA Band 5	0.808	0.298	0.499			
LTE Band 2	0.565	0.520	0.495			
LTE Band 4	0.625	0.312	0.538			
LTE Band 5	0.620	0.255	0.391			
LTE Band 7	0.534	**0.679**	**0.939**			
LTE Band 12	0.321	0.065	0.111	**1.067**	**0.679**	**0.939**
LTE Band 26	0.676	0.215	0.239			
LTE Band 66	0.281	0.129	0.296			
LTE Band 38	0.347	0.335	0.596			
LTE Band 41	0.512	0.345	0.550			
NR n41	0.511	0.301	0.267			
2.4G WLAN	0.706	0.067	0.142			
5.2G WLAN	/	/	0.159			
5.3G WLAN	0.051	0.273	/			
5.6G WLAN	0.046	0.283	/			
5.8G WLAN	0.040	0.100	0.118			
Bluetooth	0.176	0.039	0.109			
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	P-Sensor off Note3	Specific	P-Sensor off Note3
GSM 850	/	0.715	**0.660**	**1.804**
GSM 1900	/	0.730		
WCDMA Band 2	/	1.020		
WCDMA Band 4	/	0.815		
WCDMA Band 5	/	0.785		
LTE Band 2	/	0.966		
LTE Band 4	/	0.998		
LTE Band 5	/	0.721		
LTE Band 7	**0.660**	1.350		
LTE Band 26	/	0.725		
LTE Band 66	/	0.934		
LTE Band 38	0.366	**1.804**		
LTE Band 41	0.256	1.332		
NR n41	0.636	1.307		
5.3G WLAN	0.369	/		
5.6G WLAN	0.485	/		
Limit (W/kg)	4.0		4.0	
Verdict	PASS			

Note:
1. This device uses the P-Sensor off to detect WWAN 2G/3G/4G/5G handheld state, So the P-Sensor off SAR limit is 4.0 W/kg as averaged over any 10 gram of tissue.
2. When these extremity state are detected, GSM 850/1900, WCDMA Band 2/4/5, FDD-LTE Band 2/4/5/7/26/66, TDD-LTE Band 38/41, NR n41 reduced power will be active.
3. P-Sensor off was SAR test with EUT transmitting at full RF power at a separation of “the triggering distance(n) - 1 mm”.
4. The procedures for determining proximity sensor details please refer section 10.

3.3.3 Highest Simultaneous SAR

Position	Simultaneous Configuration	Simultaneous SAR (W/kg)	Limit (W/kg)	Verdict
Head (1g)	GSM850 + 2.4G WIFI	1.300	1.6	Pass
Body-worn Accessory (1g)	CDMA BC1 + 5G WIFI + Bluetooth	0.732	1.6	Pass
Hotspot (1g)	WCDMA B2 + 5G WIFI + Bluetooth	1.038	1.6	Pass
Specific SAR (10 g)	LTE B7 + 5G WIFI + Bluetooth	0.788	4.0	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 1.067 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.
The maximum 10 g SAR for the EUT in this report is 1.804 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

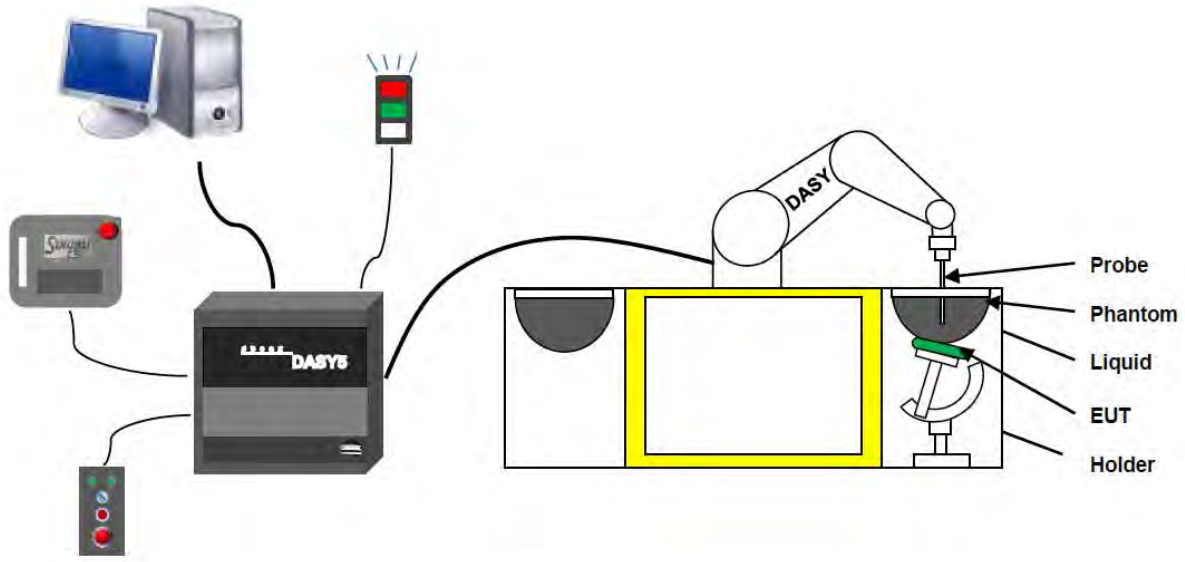
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^2}{\boldsymbol{\rho}}$$

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

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

4.2.2 Robot

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

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

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN:7510 with following specifications is used.

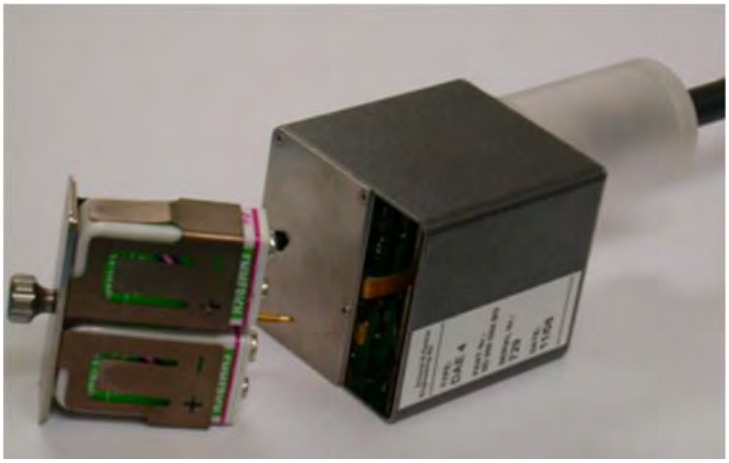
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz;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

E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

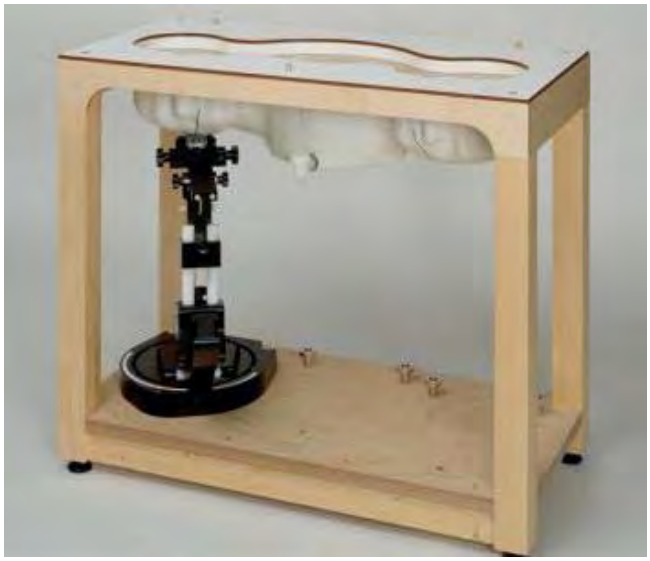
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



- Left hand
- Right hand
- Flat phantom

Photo of Phantom SN1857

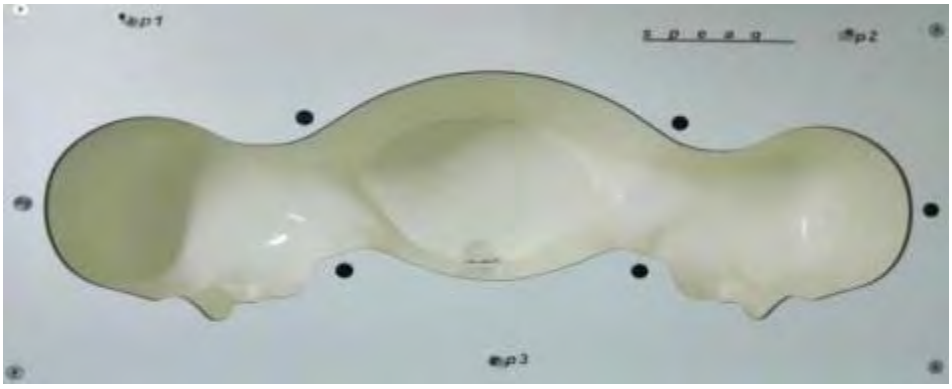
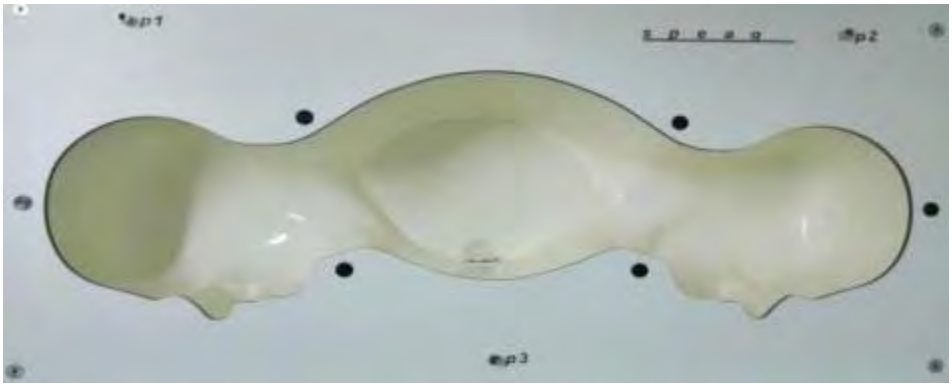


Photo of Phantom SN1859



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

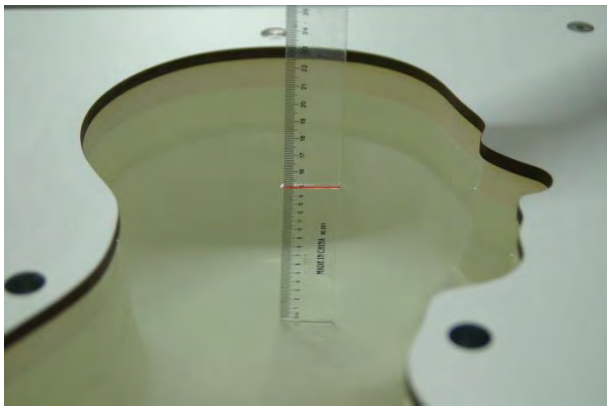
4.2.6 Device Holder

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

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

4.2.7 Simulating Liquid

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

Head Liquid Depth	Body Liquid Depth
	

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

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

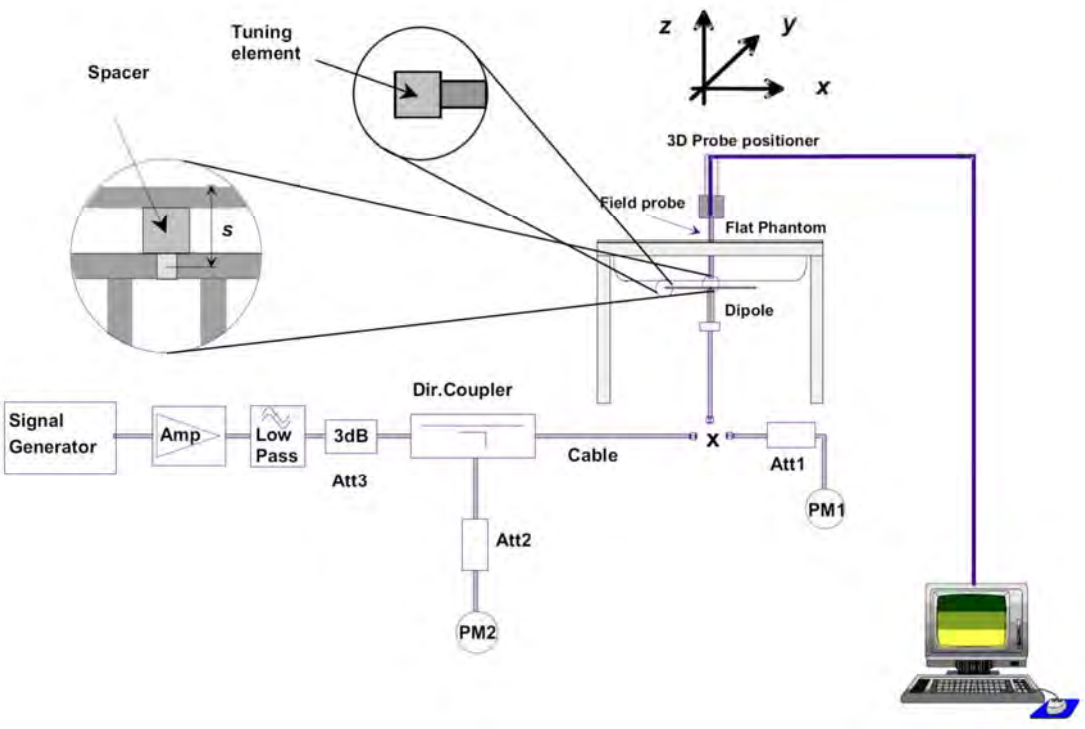
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

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

6.1 Head Exposure Conditions

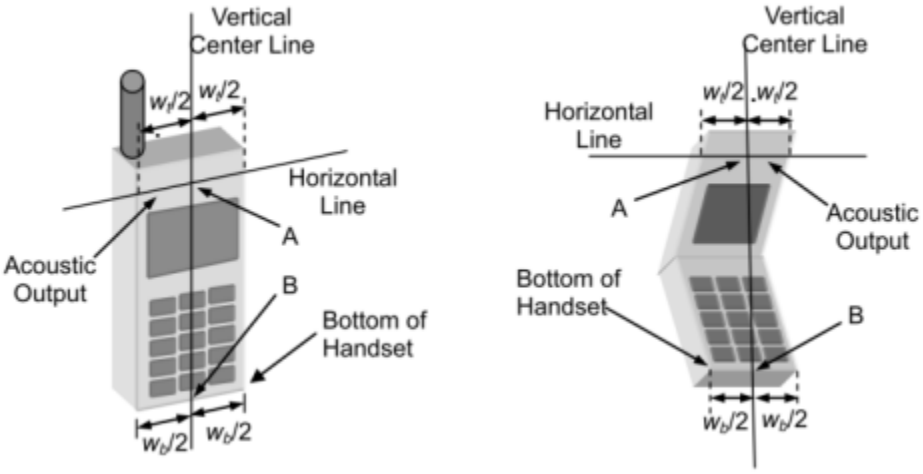
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

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

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

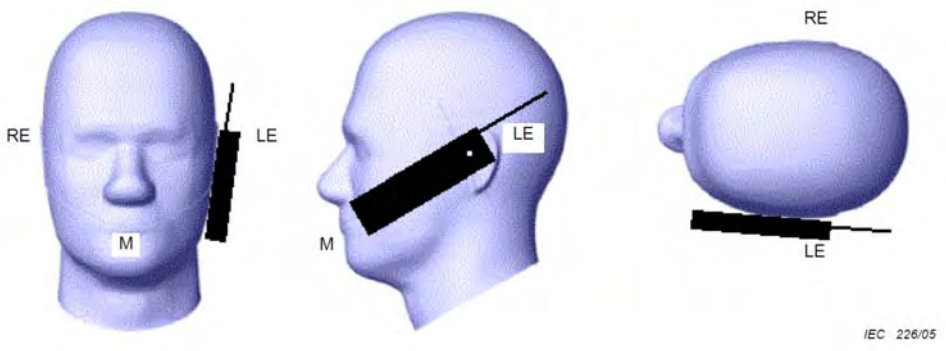
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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



6.1.2 Cheek Position

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

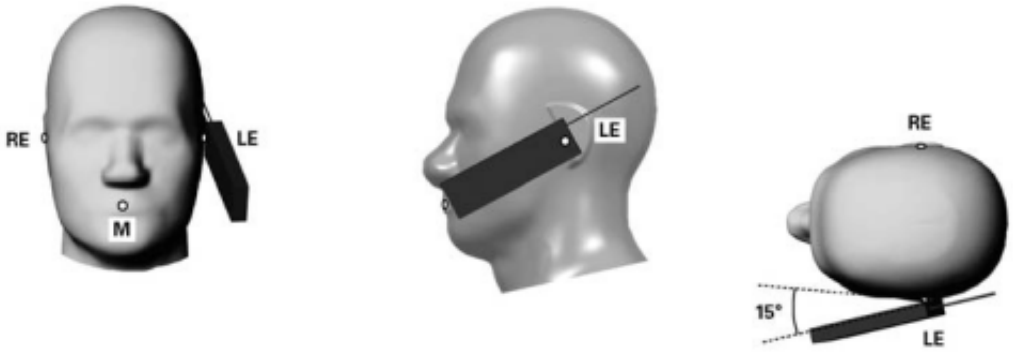
(b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with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



6.1.3 Tilted Position

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

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

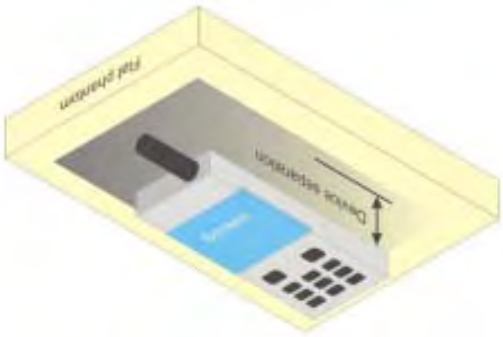


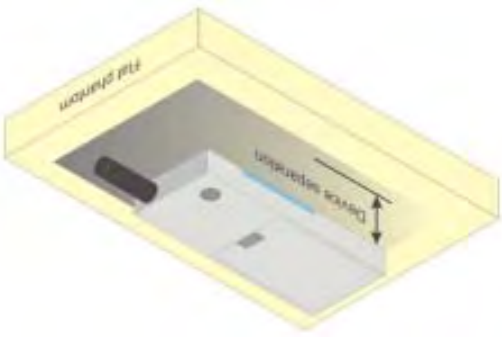
6.2 Body-worn Position Conditions

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

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

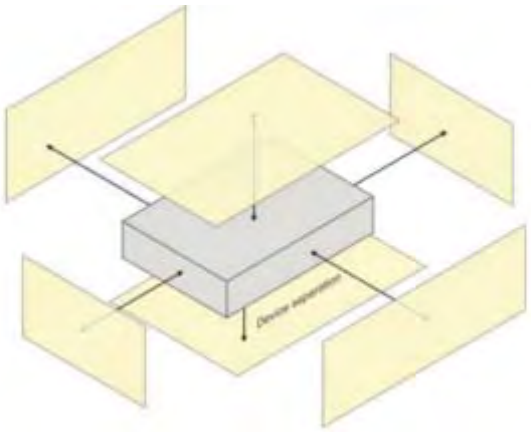
Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice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





6.3 Hotspot Mode Exposure Position Conditions

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



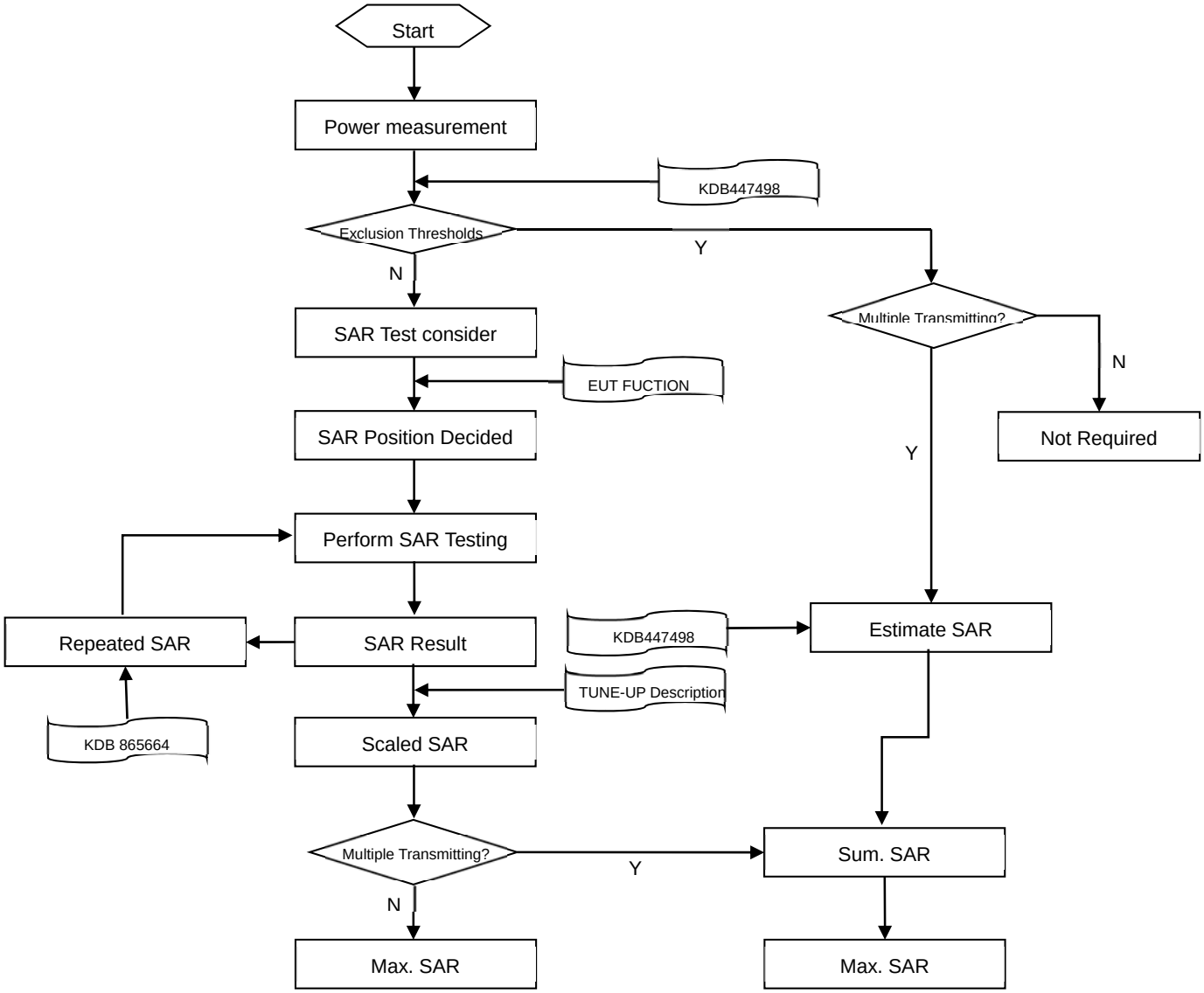
6.4 Product Specific 10g Exposure Consideration

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

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

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

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 5G NR

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

8.5 WIFI

8.5.1 2.4G WIFI-Ant.5

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	15.56	17.00	No
		6	2437	15.46	17.00	No
		11	2462	**16.31**	17.00	Yes
	802.11g	1	2412	15.06	16.00	No
		6	2437	14.80	16.00	No
		11	2462	15.81	16.00	No
	802.11n(HT20)	1	2412	13.74	15.00	No
		6	2437	13.19	15.00	No
		11	2462	14.32	15.00	No
	802.11ax(HE20) (RU26)	1	2412	13.77	15.00	No
		6	2437	13.47	15.00	No
		11	2462	14.31	15.00	No

8.5.2 2.4G WIFI-Ant.2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.24	17.00	No
		6	2437	**15.45**	17.00	Yes
		11	2462	15.28	17.00	No
	802.11g	1	2412	14.70	16.00	No
		6	2437	14.59	16.00	No
		11	2462	14.46	16.00	No
	802.11n(HT20)	1	2412	14.03	15.00	No
		6	2437	14.08	15.00	No
		11	2462	13.86	15.00	No
	802.11ax(HE20) (RU26)	1	2412	13.75	15.00	No
		6	2437	13.86	15.00	No
		11	2462	13.86	15.00	No

8.5.3 2.4G WIFI-Ant.5&2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.90	17.00	No
		6	2437	16.89	17.00	No
		11	2462	**16.91**	17.00	Yes
	802.11g	1	2412	15.99	16.00	No
		6	2437	15.88	16.00	No
		11	2462	15.59	16.00	No
	802.11n(HT20)	1	2412	14.75	15.00	No
		6	2437	14.68	15.00	No
		11	2462	14.96	15.00	No
	802.11ax(HE20) (RU26)	1	2412	14.82	15.00	No
		6	2437	14.87	15.00	No
		11	2462	14.92	15.00	No

8.5.4 2.4G WIFI-Ant.5 (Level 1)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.41	14.00	No
		6	2437	12.33	14.00	No
		11	2462	**13.23**	14.00	Yes
	802.11g	1	2412	12.06	13.00	No
		6	2437	11.8	13.00	No
		11	2462	12.81	13.00	No
	802.11n(HT20)	1	2412	10.74	12.00	No
		6	2437	10.19	12.00	No
		11	2462	11.32	12.00	No
	802.11ax(HE20) (RU26)	1	2412	10.77	12.00	No
		6	2437	10.47	12.00	No
		11	2462	11.31	12.00	No

8.5.5 2.4G WIFI-Ant.5&2 (Level 1)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	13.86	14.00	No
		6	2437	13.92	14.00	No
		11	2462	**13.98**	14.00	Yes
	802.11g	1	2412	12.95	13.00	No
		6	2437	12.72	13.00	No
		11	2462	12.95	13.00	No
	802.11n(HT20)	1	2412	11.88	12.00	No
		6	2437	11.75	12.00	No
		11	2462	11.80	12.00	No
	802.11ax(HE20) (RU26)	1	2412	11.61	12.00	No
		6	2437	11.88	12.00	No
		11	2462	11.92	12.00	No

8.5.6 5G WIFI-Ant.5

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	14.91	15.00	No
		44	5220	13.87	15.00	No
		48	5240	13.77	15.00	No
	802.11n(HT20)	36	5180	14.83	15.00	No
		44	5220	13.75	15.00	No
		48	5240	13.65	15.00	No
	802.11n(HT40)	38	5190	**14.84**	15.00	Yes
		46	5230	13.81	15.00	No
	802.11ac(VHT20)	36	5180	13.69	14.00	No
		44	5220	12.91	14.00	No
		48	5240	12.74	14.00	No
	802.11ac(VHT40)	38	5190	12.78	13.00	No
		46	5230	11.65	13.00	No
	802.11ac(VHT80)	42	5210	11.79	13.00	No
	802.11ax(HE20) (SU)	36	5180	13.81	14.00	No
		44	5220	12.97	14.00	No
		48	5240	12.86	14.00	No
	802.11ax(HE40) (SU)	38	5190	12.86	13.00	No
		46	5230	11.62	13.00	No
	802.11ax(HE80) (SU)	42	5210	11.79	13.00	No
	802.11ax(HE20) (RU26)	36	5180	13.99	14.00	No
		44	5220	13.24	14.00	No
		48	5240	13.08	14.00	No
	802.11ax(HE40) (RU26)	38	5190	12.80	13.00	No
		46	5230	12.38	13.00	No
	802.11ax(HE80) (RU26)	42	5210	12.54	13.00	No
5.3 (5.25~5.35)	802.11a	52	5260	13.28	15.00	No
		60	5300	13.23	15.00	No
		64	5320	13.67	15.00	No
	802.11n(HT20)	52	5260	13.18	15.00	No
		60	5300	13.07	15.00	No
		64	5320	13.58	15.00	No
	802.11n(HT40)	54	5270	13.25	15.00	No
		62	5310	**13.58**	15.00	Yes
	802.11ac(VHT20)	52	5260	12.24	14.00	No
		60	5300	12.29	14.00	No
		64	5320	12.49	14.00	No

	802.11ac(VHT40)	54	5270	11.15	13.00	No
		62	5310	11.62	13.00	No
	802.11ac(VHT80)	58	5290	11.08	13.00	No
	802.11ax(HE20) (SU)	52	5260	12.26	14.00	No
		60	5300	12.27	14.00	No
		64	5320	12.51	14.00	No
	802.11ax(HE40) (SU)	54	5270	11.05	13.00	No
		62	5310	11.64	13.00	No
	802.11ax(HE80) (SU)	58	5290	11.08	13.00	No
	802.11ax(HE20) (RU26)	52	5260	13.24	14.00	No
		60	5300	13.04	14.00	No
		64	5320	13.27	14.00	No
	802.11ax(HE40) (RU26)	54	5270	12.38	13.00	No
		62	5310	12.81	13.00	No
	802.11ax(HE80) (RU26)	58	5290	12.56	13.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.77	15.00	No
		116	5580	13.07	15.00	No
		140	5700	13.64	15.00	No
	802.11n(HT20)	100	5500	14.72	15.00	No
		116	5580	13.42	15.00	No
		140	5700	13.52	15.00	No
	802.11n(HT40)	102	5510	**14.77**	15.00	Yes
		110	5550	13.95	15.00	No
		134	5670	14.03	15.00	No
	802.11ac(VHT20)	100	5500	13.91	14.00	No
		116	5580	12.45	14.00	No
		140	5700	12.57	14.00	No
	802.11ac(VHT40)	102	5510	12.60	13.00	No
		110	5550	11.61	13.00	No
		134	5670	11.93	13.00	No
	802.11ac(VHT80)	106	5530	12.96	13.00	No
		122	5610	11.43	13.00	No
		138	5690	11.46	13.00	No
	802.11ax(HE20) (SU)	100	5500	13.91	14.00	No
		116	5580	12.02	14.00	No
		140	5700	12.54	13.00	No
	802.11ax(HE40) (SU)	102	5510	12.43	13.00	No
		110	5550	11.55	13.00	No
		134	5670	11.93	13.00	No
	802.11ax(HE80)	106	5530	12.59	13.00	No

	(SU)	122	5610	11.45	13.00	No
		138	5690	11.52	13.00	No
	802.11ax(HE20) (RU26)	100	5500	13.71	14.00	No
		116	5580	12.24	14.00	No
		140	5700	12.95	14.00	No
	802.11ax(HE40) (RU26)	102	5510	12.75	13.00	No
		110	5550	12.92	13.00	No
		134	5670	12.78	13.00	No
	802.11ax(HE80) (RU26)	106	5530	12.56	13.00	No
		122	5610	12.58	13.00	No
		138	5690	12.08	13.00	No
5.8 (5.725~5.850)	802.11a	149	5745	14.93	15.00	No
		157	5785	14.73	15.00	No
		165	5825	14.76	15.00	No
	802.11n(HT20)	149	5745	14.82	15.00	No
		157	5785	14.49	15.00	No
		165	5825	14.67	15.00	No
	802.11n(HT40)	151	5755	14.84	15.00	No
		159	5795	**14.98**	15.00	Yes
	802.11ac(VHT20)	149	5745	13.94	14.00	No
		157	5785	13.72	14.00	No
		165	5825	13.78	14.00	No
	802.11ac(VHT40)	151	5755	12.97	13.00	No
		159	5795	12.53	13.00	No
	802.11ac(VHT80)	155	5775	12.41	13.00	No
	802.11ax(HE20) (SU)	149	5745	13.59	14.00	No
		157	5785	13.64	14.00	No
		165	5825	13.88	14.00	No
	802.11ax(HE40) (SU)	151	5755	12.97	13.00	No
		159	5795	12.19	13.00	No
	802.11ax(HE80) (SU)	155	5775	12.85	13.00	No
	802.11ax(HE20) (RU26)	149	5745	13.55	14.00	No
		157	5785	13.26	14.00	No
		165	5825	13.04	14.00	No
	802.11ax(HE40) (RU26)	151	5755	12.64	13.00	No
		159	5795	12.47	13.00	No
	802.11ax(HE80) (RU26)	155	5775	12.79	13.00	No

8.5.7 5G WIFI-Ant.3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.93	15.00	No
		44	5220	13.86	15.00	No
		48	5240	13.83	15.00	No
	802.11n(HT20)	36	5180	13.78	15.00	No
		44	5220	13.74	15.00	No
		48	5240	13.72	15.00	No
	802.11n(HT40)	38	5190	**13.85**	15.00	Yes
		46	5230	13.83	15.00	No
	802.11ac(VHT20)	36	5180	12.65	14.00	No
		44	5220	12.53	14.00	No
		48	5240	12.46	14.00	No
	802.11ac(VHT40)	38	5190	11.74	13.00	No
		46	5230	11.52	13.00	No
	802.11ac(VHT80)	42	5210	11.46	13.00	No
	802.11ax(HE20) (SU)	36	5180	12.72	14.00	No
		44	5220	12.68	14.00	No
		48	5240	12.64	14.00	No
	802.11ax(HE40) (SU)	38	5190	11.65	13.00	No
		46	5230	11.36	13.00	No
	802.11ax(HE80) (SU)	42	5210	11.54	13.00	No
	802.11ax(HE20) (RU26)	36	5180	12.07	14.00	No
		44	5220	12.48	14.00	No
		48	5240	12.53	14.00	No
	802.11ax(HE40) (RU26)	38	5190	11.42	13.00	No
		46	5230	11.30	13.00	No
	802.11ax(HE80) (RU26)	42	5210	11.05	13.00	No
5.3 (5.25~5.35)	802.11a	52	5260	13.63	15.00	No
		60	5300	13.28	15.00	No
		64	5320	13.45	15.00	No
	802.11n(HT20)	52	5260	13.16	15.00	No
		60	5300	13.29	15.00	No
		64	5320	13.36	15.00	No
	802.11n(HT40)	54	5270	13.05	15.00	No
		62	5310	**13.52**	15.00	Yes
	802.11ac(VHT20)	52	5260	12.08	14.00	No
		60	5300	12.22	14.00	No
		64	5320	12.26	14.00	No

	802.11ac(VHT40)	54	5270	11.33	13.00	No
		62	5310	11.39	13.00	No
	802.11ac(VHT80)	58	5290	11.09	13.00	No
	802.11ax(HE20) (SU)	52	5260	12.27	14.00	No
		60	5300	12.11	14.00	No
		64	5320	12.36	14.00	No
	802.11ax(HE40) (SU)	54	5270	11.09	13.00	No
		62	5310	11.23	13.00	No
	802.11ax(HE80) (SU)	58	5290	11.32	13.00	No
	802.11ax(HE20) (RU26)	52	5260	12.04	14.00	No
		60	5300	12.11	14.00	No
		64	5320	12.36	14.00	No
	802.11ax(HE40) (RU26)	54	5270	11.62	13.00	No
		62	5310	11.15	13.00	No
	802.11ax(HE80) (RU26)	58	5290	11.62	13.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.17	15.00	No
		116	5580	13.94	15.00	No
		140	5700	13.83	15.00	No
	802.11n(HT20)	100	5500	14.03	15.00	No
		116	5580	13.84	15.00	No
		140	5700	13.81	15.00	No
	802.11n(HT40)	102	5510	**14.15**	15.00	Yes
		110	5550	14.07	15.00	No
		134	5670	13.62	15.00	No
	802.11ac(VHT20)	100	5500	12.86	14.00	No
		116	5580	13.34	14.00	No
		140	5700	12.63	14.00	No
	802.11ac(VHT40)	102	5510	11.73	13.00	No
		110	5550	12.06	13.00	No
		134	5670	11.56	13.00	No
	802.11ac(VHT80)	106	5530	11.58	13.00	No
		122	5610	12.11	13.00	No
		138	5690	11.73	13.00	No
	802.11ax(HE20) (SU)	100	5500	12.94	14.00	No
		116	5580	13.51	14.00	No
		140	5700	11.56	13.00	No
	802.11ax(HE40) (SU)	102	5510	11.66	13.00	No
		110	5550	12.02	13.00	No
		134	5670	11.54	13.00	No
	802.11ax(HE80)	106	5530	11.62	13.00	No

	(SU)	122	5610	12.08	13.00	No
		138	5690	11.83	13.00	No
	802.11ax(HE20) (RU26)	100	5500	12.38	14.00	No
		116	5580	12.85	14.00	No
		140	5700	12.08	14.00	No
	802.11ax(HE40) (RU26)	102	5510	12.94	13.00	No
		110	5550	12.48	13.00	No
		134	5670	12.53	13.00	No
	802.11ax(HE80) (RU26)	106	5530	12.72	13.00	No
		122	5610	12.56	13.00	No
		138	5690	11.92	13.00	No
5.8 (5.725~5.850)	802.11a	149	5745	13.34	15.00	No
		157	5785	13.96	15.00	No
		165	5825	14.53	15.00	No
	802.11n(HT20)	149	5745	13.26	15.00	No
		157	5785	13.87	15.00	No
		165	5825	14.48	15.00	No
	802.11n(HT40)	151	5755	13.31	15.00	No
		159	5795	**13.96**	15.00	Yes
	802.11ac(VHT20)	149	5745	12.15	14.00	No
		157	5785	13.16	14.00	No
		165	5825	13.46	14.00	No
	802.11ac(VHT40)	151	5755	11.04	13.00	No
		159	5795	12.03	13.00	No
	802.11ac(VHT80)	155	5775	11.93	13.00	No
	802.11ax(HE20) (SU)	149	5745	12.16	14.00	No
		157	5785	13.23	14.00	No
		165	5825	13.55	14.00	No
	802.11ax(HE40) (SU)	151	5755	11.34	13.00	No
		159	5795	11.92	13.00	No
	802.11ax(HE80) (SU)	155	5775	12.06	13.00	No
	802.11ax(HE20) (RU26)	149	5745	12.26	14.00	No
		157	5785	12.34	14.00	No
		165	5825	12.04	14.00	No
	802.11ax(HE40) (RU26)	151	5755	12.53	13.00	No
		159	5795	12.55	13.00	No
	802.11ax(HE80) (RU26)	155	5775	12.21	13.00	No

8.5.8 5G WIFI-Ant.5&3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.95	15.00	No
		44	5220	14.74	15.00	No
		48	5240	14.63	15.00	No
	802.11n(HT20)	36	5180	14.96	15.00	No
		44	5220	14.56	15.00	No
		48	5240	14.59	15.00	No
	802.11n(HT40)	38	5190	**14.87**	15.00	Yes
		46	5230	14.47	15.00	No
	802.11ac(VHT20)	36	5180	13.73	14.00	No
		44	5220	13.55	14.00	No
		48	5240	13.50	14.00	No
	802.11ac(VHT40)	38	5190	12.66	13.00	No
		46	5230	12.50	13.00	No
	802.11ac(VHT80)	42	5210	12.47	13.00	No
	802.11ax(HE20) (SU)	36	5180	13.88	14.00	No
		44	5220	13.65	14.00	No
		48	5240	13.55	14.00	No
	802.11ax(HE40) (SU)	38	5190	12.64	13.00	No
		46	5230	12.45	13.00	No
	802.11ax(HE80) (SU)	42	5210	12.62	13.00	No
	802.11ax(HE20) (RU26)	36	5180	13.34	14.00	No
		44	5220	13.07	14.00	No
		48	5240	13.14	14.00	No
	802.11ax(HE40) (RU26)	38	5190	12.48	13.00	No
		46	5230	12.06	13.00	No
	802.11ax(HE80) (RU26)	42	5210	12.87	13.00	No
5.3 (5.25~5.35)	802.11a	52	5260	13.77	15.00	No
		60	5300	13.63	15.00	No
		64	5320	14.48	15.00	No
	802.11n(HT20)	52	5260	13.73	15.00	No
		60	5300	13.60	15.00	No
		64	5320	14.43	15.00	No
	802.11n(HT40)	54	5270	13.60	15.00	No
		62	5310	**14.32**	15.00	Yes
	802.11ac(VHT20)	52	5260	12.60	14.00	No
		60	5300	12.51	14.00	No
		64	5320	13.37	14.00	No

	802.11ac(VHT40)	54	5270	11.58	13.00	No
		62	5310	12.18	13.00	No
	802.11ac(VHT80)	58	5290	11.44	13.00	No
	802.11ax(HE20) (SU)	52	5260	12.67	14.00	No
		60	5300	12.56	14.00	No
		64	5320	13.49	14.00	No
	802.11ax(HE40) (SU)	54	5270	11.57	13.00	No
		62	5310	12.10	13.00	No
	802.11ax(HE80) (SU)	58	5290	11.58	13.00	No
	802.11ax(HE20) (RU26)	52	5260	13.02	14.00	No
		60	5300	13.07	14.00	No
		64	5320	13.85	14.00	No
	802.11ax(HE40) (RU26)	54	5270	12.94	13.00	No
		62	5310	12.55	13.00	No
	802.11ax(HE80) (RU26)	58	5290	12.86	13.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.92	15.00	No
		116	5580	14.76	15.00	No
		140	5700	14.25	15.00	No
	802.11n(HT20)	100	5500	14.92	15.00	No
		116	5580	14.72	15.00	No
		140	5700	14.13	15.00	No
	802.11n(HT40)	102	5510	**14.83**	15.00	Yes
		110	5550	14.74	15.00	No
		134	5670	14.76	15.00	No
	802.11ac(VHT20)	100	5500	13.88	14.00	No
		116	5580	13.34	14.00	No
		140	5700	13.04	14.00	No
	802.11ac(VHT40)	102	5510	12.66	13.00	No
		110	5550	12.63	13.00	No
		134	5670	12.58	13.00	No
	802.11ac(VHT80)	106	5530	12.95	13.00	No
		122	5610	12.30	13.00	No
		138	5690	11.95	13.00	No
	802.11ax(HE20) (SU)	100	5500	13.98	14.00	No
		116	5580	13.54	14.00	No
		140	5700	12.63	13.00	No
	802.11ax(HE40) (SU)	102	5510	12.94	13.00	No
		110	5550	12.64	13.00	No
		134	5670	12.59	13.00	No
	802.11ax(HE80)	106	5530	12.84	13.00	No

	(SU)	122	5610	12.52	13.00	No
		138	5690	12.08	13.00	No
	802.11ax(HE20) (RU26)	100	5500	13.26	14.00	No
		116	5580	13.76	14.00	No
		140	5700	13.64	14.00	No
	802.11ax(HE40) (RU26)	102	5510	12.86	13.00	No
		110	5550	12.94	13.00	No
		134	5670	12.73	13.00	No
	802.11ax(HE80) (RU26)	106	5530	12.67	13.00	No
		122	5610	12.87	13.00	No
		138	5690	12.90	13.00	No
5.8 (5.725~5.850)	802.11a	149	5745	14.63	15.00	No
		157	5785	14.93	15.00	No
		165	5825	14.51	15.00	No
	802.11n(HT20)	149	5745	14.45	15.00	No
		157	5785	14.41	15.00	No
		165	5825	14.46	15.00	No
	802.11n(HT40)	151	5755	14.45	15.00	No
		159	5795	**14.94**	15.00	Yes
	802.11ac(VHT20)	149	5745	13.52	14.00	No
		157	5785	13.81	14.00	No
		165	5825	13.73	14.00	No
	802.11ac(VHT40)	151	5755	12.47	13.00	No
		159	5795	12.80	13.00	No
	802.11ac(VHT80)	155	5775	12.98	13.00	No
	802.11ax(HE20) (SU)	149	5745	13.71	14.00	No
		157	5785	13.94	14.00	No
		165	5825	13.87	14.00	No
	802.11ax(HE40) (SU)	151	5755	12.84	13.00	No
		159	5795	12.75	13.00	No
	802.11ax(HE80) (SU)	155	5775	12.90	13.00	No
	802.11ax(HE20) (RU26)	149	5745	13.56	14.00	No
		157	5785	13.79	14.00	No
		165	5825	13.82	14.00	No
	802.11ax(HE40) (RU26)	151	5755	12.58	13.00	No
		159	5795	12.67	13.00	No
	802.11ax(HE80) (RU26)	155	5775	12.78	13.00	No

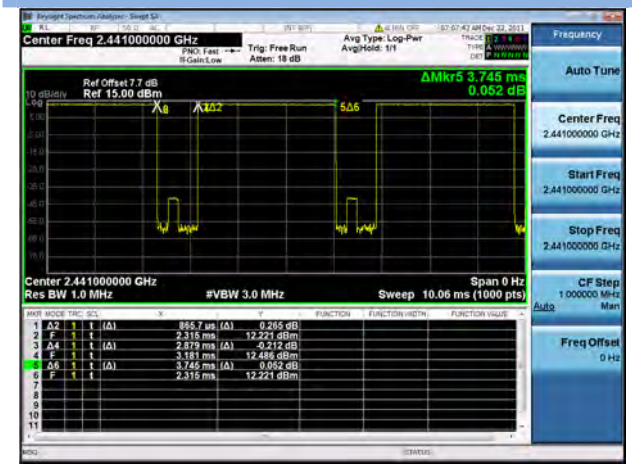
8.6 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	11.14	**13.05**	10.45	9.36	11.28	8.70
Tune-Up Limit (dBm)	12.00	14.00	12.00	10.00	12.00	10.00
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	9.87	11.72	9.13	/	/	/
Tune-Up Limit (dBm)	10.00	12.00	10.00	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	9.33	10.94	8.89	9.47	11.11	8.99
Tune-Up Limit (dBm)	10.00	12.00	10.00	10.00	12.00	10.00

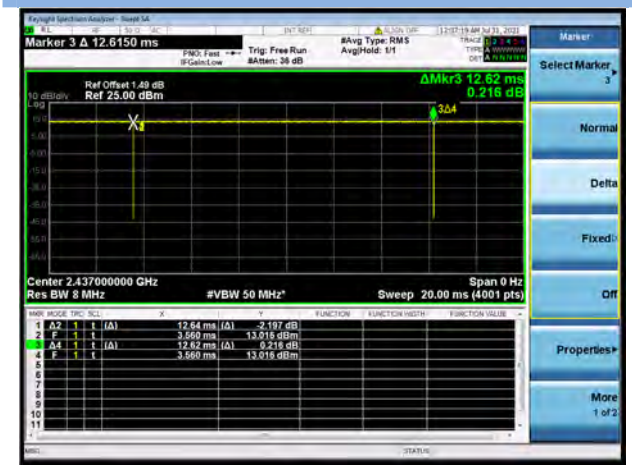
Note: The Bluetooth duty cycle is 76.88 %, The WIFI 2.4G 802.11b duty cycle is 99.78 %, The WIFI 5G 802.11n(HT40) duty cycle is 99.19 %, as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle

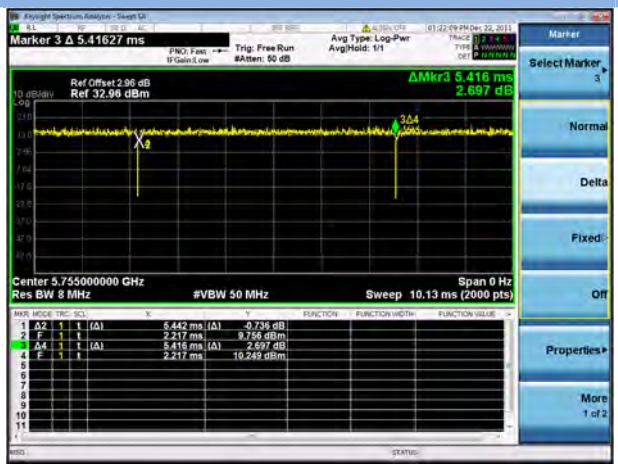
Bluetooth-GFSK



2.4G WIFI-802.11b



5G WIFI-802.11n40



8.7 Power Reduction List

1. This mobile phone device supports the receiver detection mechanism. This device uses the receiver to indicate whether the user is making a call in head.
2. When device is making call in head, the power reduction will applied for SAR compliance.
3. When device operating under hotspot mode, the power reduction will applied for SAR compliance.
4. This device uses the P-sensor to detect handheld state.

WWAN Power Level Table

Reduced level	Receiver state	Sensor	Transmitting conditions	Position
（Full Power）	/	Off	/	Head Body-worn Hotspot Extremity
Level1	On (head scenario)	/	WWAN Use Only&WWAN+WLAN	Head
Level2	Off (Body-worn&Hotspot scenario)	Off	WWAN+WLAN	Body-worn Hotspot
Level3	Off (Extremity scenario)	On	WWAN Use Only&WWAN+WLAN	Extremity
Note: The WWAN 2G/3G/4G up antenna includes antenna Ant.6; The WWAN 2G/3G/4G down antenna includes antenna Ant.1.				

WLAN Power Level Table

Reduced level	Receiver state	Transmitting conditions
（Full Power）	Off (Head&Body-worn&Hotspot&Extremit scenario)	WLAN Use Only & WWAN + WLAN
Level1	On (head scenario)	WLAN Use Only & WWAN + WLAN
Level2	Off (Body-worn&Hotspot&Extremit scenario)	WLAN Use Only & WWAN + WLAN

WWAN Antenna Up Power Table

Mode	WWAN Up Antenna					
	Antenna	Full Power	Receiver on	Receiver off		
			Head	Body-worn	Body-worn&Hotspot	Extremit
			Standalone& Simultaneous transmission (WWAN+WLAN)	Standalone	Simultaneous transmission (WWAN+WLAN)	Standalone& Simultaneous transmission (WWAN+WLAN)
		Off	Level1	Off	Level2	Level3
GSM 850	Ant.6	33.50	28.50	33.50	28.50	28.50
GPRS850 1 Tx Slot	Ant.6	33.50	28.50	33.50	28.50	28.50
GPRS850 2 Tx Slots	Ant.6	31.50	26.50	31.50	26.50	26.50
GPRS850 3 Tx Slots	Ant.6	29.50	24.50	29.50	24.50	24.50
GPRS8504 Tx Slots	Ant.6	27.50	22.50	27.50	22.50	22.50
EGPRS850 1 Tx Slot	Ant.6	27.00	22.00	27.00	22.00	22.00
EGPRS850 2 Tx Slots	Ant.6	26.00	21.00	26.00	21.00	21.00
EGPRS850 3 Tx Slots	Ant.6	23.50	18.50	23.50	18.50	18.50
EGPRS850 4 Tx Slots	Ant.6	21.50	16.50	21.50	16.50	16.50
GSM 1900	Ant.6	31.00	27.00	31.00	27.00	27.00
GPRS1900 1 Tx Slot	Ant.6	31.00	27.00	31.00	27.00	27.00
GPRS1900 2 Tx Slots	Ant.6	29.00	25.00	29.00	25.00	25.00
GPRS1900 3 Tx Slots	Ant.6	27.00	23.00	27.00	23.00	23.00
GPRS1900 4 Tx Slots	Ant.6	25.00	21.00	25.00	21.00	21.00
EGPRS1900 1 Tx Slot	Ant.6	24.50	20.50	24.50	20.50	20.50
EGPRS1900 2 Tx Slots	Ant.6	24.00	20.00	24.00	20.00	20.00
EGPRS1900 3 Tx Slots	Ant.6	23.00	19.00	23.00	19.00	19.00
EGPRS1900 4 Tx Slots	Ant.6	20.00	16.00	20.00	16.00	16.00
BC0:1xRTT RC1 SO55	Ant.6	25.00	25.00	25.00	25.00	25.00
BC0:1xRTT RC3 SO55	Ant.6	25.00	25.00	25.00	25.00	25.00
BC0:1xRTT RC3 SO32（FCH）	Ant.6	25.00	25.00	25.00	25.00	25.00
BC0:1xRTT RC3 SO32（SCH）	Ant.6	25.00	25.00	25.00	25.00	25.00
BC0:1xEVDO Rel.0 RTAP 153.6kbps	Ant.6	25.00	25.00	25.00	25.00	25.00
BC0:1xEVDO Rel.A RETAP ： 4096	Ant.6	25.00	25.00	25.00	25.00	25.00
BC1:1xRTT RC1 SO55	Ant.6	25.00	25.00	25.00	25.00	25.00
BC1:1xRTT RC3 SO55	Ant.6	25.00	25.00	25.00	25.00	25.00
BC1:1xRTT RC3 SO32（FCH）	Ant.6	25.00	25.00	25.00	25.00	25.00
BC1:1xRTT RC3 SO32（SCH）	Ant.6	25.00	25.00	25.00	25.00	25.00
BC1:1xEVDO Rel.0 RTAP 153.6kbps	Ant.6	25.00	25.00	25.00	25.00	25.00

BC1:1xEVDO Rel.A RETAP ： 4096	Ant.6	25.00	25.00	25.00	25.00	25.00
WCDMA Band2 RMC	Ant.6	23.50	17.50	23.50	17.50	17.50
HSDPA Subtest-1	Ant.6	23.50	17.50	23.50	17.50	17.50
HSDPA Subtest-2	Ant.6	23.50	17.50	23.50	17.50	17.50
HSDPA Subtest-3	Ant.6	23.00	17.00	23.00	17.00	17.00
HSDPA Subtest-4	Ant.6	23.00	17.00	23.00	17.00	17.00
HSUPA Subtest-1	Ant.6	23.00	17.00	23.00	17.00	17.00
HSUPA Subtest-2	Ant.6	21.50	15.50	21.50	15.50	15.50
HSUPA Subtest-3	Ant.6	22.00	16.00	22.00	16.00	16.00
HSUPA Subtest-4	Ant.6	21.00	15.00	21.00	15.00	15.00
HSUPA Subtest-5	Ant.6	23.00	17.00	23.00	17.00	17.00
WCDMA Band4 RMC	Ant.6	23.50	16.50	23.50	16.50	16.50
HSDPA Subtest-1	Ant.6	23.50	16.50	23.50	16.50	16.50
HSDPA Subtest-2	Ant.6	23.50	16.50	23.50	16.50	16.50
HSDPA Subtest-3	Ant.6	23.00	16.00	23.00	16.00	16.00
HSDPA Subtest-4	Ant.6	23.00	16.00	23.00	16.00	16.00
HSUPA Subtest-1	Ant.6	23.00	16.00	23.00	16.00	16.00
HSUPA Subtest-2	Ant.6	21.50	14.50	21.50	14.50	14.50
HSUPA Subtest-3	Ant.6	22.00	15.00	22.00	15.00	15.00
HSUPA Subtest-4	Ant.6	21.00	14.00	21.00	14.00	14.00
HSUPA Subtest-5	Ant.6	23.00	16.00	23.00	16.00	16.00
WCDMA Band5 RMC	Ant.6	24.50	19.50	24.50	19.50	19.50
HSDPA Subtest-1	Ant.6	23.00	18.00	23.00	18.00	18.00
HSDPA Subtest-2	Ant.6	23.00	18.00	23.00	18.00	18.00
HSDPA Subtest-3	Ant.6	22.50	17.50	22.50	17.50	17.50
HSDPA Subtest-4	Ant.6	22.50	17.50	22.50	17.50	17.50
HSUPA Subtest-1	Ant.6	23.00	18.00	23.00	18.00	18.00
HSUPA Subtest-2	Ant.6	21.00	16.00	21.00	16.00	16.00
HSUPA Subtest-3	Ant.6	22.00	17.00	22.00	17.00	17.00
HSUPA Subtest-4	Ant.6	21.00	16.00	21.00	16.00	16.00
HSUPA Subtest-5	Ant.6	23.00	18.00	23.00	18.00	18.00
LTE Band2	Ant.6	23.50	15.50	23.50	15.50	15.50
LTE Band4	Ant.6	23.50	16.50	23.50	16.50	16.50
LTE Band5	Ant.6	24.00	18.00	24.00	18.00	18.00
LTE Band7	Ant.6	23.50	15.00	23.50	15.00	15.00
LTE Band12	Ant.6	24.00	24.00	24.00	24.00	24.00
LTE Band17	Ant.6	24.00	24.00	24.00	24.00	24.00
LTE Band26	Ant.6	24.00	19.00	24.00	19.00	19.00
LTE Band66	Ant.6	23.50	16.50	23.50	16.50	16.50
LTE Band38	Ant.6	23.50	16.50	23.50	16.50	16.50
LTE Band41	Ant.6	23.50	16.50	23.50	16.50	16.50

WWAN Antenna Down Power Table

Mode	WWAN Down Antenna					
	Antenna	Full Power	Receiver on	Receiver off		
			Head	Body-worn	Body-worn&Hotspot	Extremit
			Standalone& Simultaneous transmission (WWAN+WLAN)	Standalone	Simultaneous transmission (WWAN+WLAN)	Standalone& Simultaneous transmission (WWAN+WLAN)
		Off	Level1	Off	Level2	Level3
GSM 850	Ant.1	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant.1	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	Ant.1	31.50	31.50	31.50	31.50	31.50
GPRS850 3 Tx Slots	Ant.1	29.50	29.50	29.50	29.50	29.50
GPRS8504 Tx Slots	Ant.1	27.50	27.50	27.50	27.50	27.50
EGPRS850 1 Tx Slot	Ant.1	27.00	27.00	27.00	27.00	27.00
EGPRS850 2 Tx Slots	Ant.1	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	Ant.1	23.50	23.50	23.50	23.50	23.50
EGPRS850 4 Tx Slots	Ant.1	21.50	21.50	21.50	21.50	21.50
GSM 1900	Ant.1	31.00	31.00	31.00	31.00	31.00
GPRS1900 1 Tx Slot	Ant.1	31.00	31.00	31.00	31.00	31.00
GPRS1900 2 Tx Slots	Ant.1	29.00	29.00	29.00	29.00	29.00
GPRS1900 3 Tx Slots	Ant.1	27.00	27.00	27.00	27.00	27.00
GPRS1900 4 Tx Slots	Ant.1	25.00	25.00	25.00	25.00	25.00
EGPRS1900 1 Tx Slot	Ant.1	24.50	24.50	24.50	24.50	24.50
EGPRS1900 2 Tx Slots	Ant.1	24.00	24.00	24.00	24.00	24.00
EGPRS1900 3 Tx Slots	Ant.1	23.00	23.00	23.00	23.00	23.00
EGPRS1900 4 Tx Slots	Ant.1	20.00	20.00	20.00	20.00	20.00
BC0:1xRTT RC1 SO55	Ant.1	25.00	25.00	25.00	25.00	25.00
BC0:1xRTT RC3 SO55	Ant.1	25.00	25.00	25.00	25.00	25.00
BC0:1xRTT RC3 SO32（FCH）	Ant.1	25.00	25.00	25.00	25.00	25.00
BC0:1xRTT RC3 SO32（SCH）	Ant.1	25.00	25.00	25.00	25.00	25.00
BC0:1xEVDO Rel.0 RTAP 153.6kbps	Ant.1	25.00	25.00	25.00	25.00	25.00
BC0:1xEVDO Rel.A RETAP ： 4096	Ant.1	25.00	25.00	25.00	25.00	25.00
BC1:1xRTT RC1 SO55	Ant.1	25.00	25.00	25.00	25.00	25.00
BC1:1xRTT RC3 SO55	Ant.1	25.00	25.00	25.00	25.00	25.00
BC1:1xRTT RC3 SO32（FCH）	Ant.1	25.00	25.00	25.00	25.00	25.00
BC1:1xRTT RC3 SO32（SCH）	Ant.1	25.00	25.00	25.00	25.00	25.00
BC1:1xEVDO Rel.0 RTAP 153.6kbps	Ant.1	25.00	25.00	25.00	25.00	25.00

BC1:1xEVDO Rel.A RETAP ： 4096	Ant.1	25.00	25.00	25.00	25.00	25.00
WCDMA Band2 RMC	Ant.1	23.50	22.50	23.50	22.50	22.50
HSDPA Subtest-1	Ant.1	23.50	22.50	23.50	22.50	22.50
HSDPA Subtest-2	Ant.1	23.50	22.50	23.50	22.50	22.50
HSDPA Subtest-3	Ant.1	23.00	22.00	23.00	22.00	22.00
HSDPA Subtest-4	Ant.1	23.00	22.00	23.00	22.00	22.00
HSUPA Subtest-1	Ant.1	23.00	22.00	23.00	22.00	22.00
HSUPA Subtest-2	Ant.1	21.50	20.50	21.50	20.50	20.50
HSUPA Subtest-3	Ant.1	22.00	21.00	22.00	21.00	21.00
HSUPA Subtest-4	Ant.1	21.00	20.00	21.00	20.00	20.00
HSUPA Subtest-5	Ant.1	23.00	22.00	23.00	22.00	22.00
WCDMA Band4 RMC	Ant.1	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-1	Ant.1	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-2	Ant.1	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-3	Ant.1	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-4	Ant.1	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-1	Ant.1	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-2	Ant.1	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-3	Ant.1	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-4	Ant.1	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-5	Ant.1	23.00	23.00	23.00	23.00	23.00
WCDMA Band5 RMC	Ant.1	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-1	Ant.1	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-2	Ant.1	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-3	Ant.1	22.50	22.50	22.50	22.50	22.50
HSDPA Subtest-4	Ant.1	22.50	22.50	22.50	22.50	22.50
HSUPA Subtest-1	Ant.1	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-2	Ant.1	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-3	Ant.1	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-4	Ant.1	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-5	Ant.1	23.00	23.00	23.00	23.00	23.00
LTE Band2	Ant.1	23.50	21.50	23.50	21.50	21.50
LTE Band4	Ant.1	23.50	23.50	23.50	23.50	23.50
LTE Band5	Ant.1	24.00	24.00	24.00	24.00	24.00
LTE Band7	Ant.1	23.50	20.00	23.50	20.00	20.00
LTE Band12	Ant.1	24.00	24.00	24.00	24.00	24.00
LTE Band17	Ant.1	24.00	24.00	24.00	24.00	24.00
LTE Band26	Ant.1	24.00	24.00	24.00	24.00	24.00
LTE Band66	Ant.1	23.50	21.50	23.50	21.50	21.50
LTE Band38	Ant.1	23.50	21.50	23.50	21.50	21.50
LTE Band41	Ant.1	23.50	21.50	23.50	21.50	21.50

ENDC Antenna Power Table

EN-DC Configurations	E-UTRA	NR	Antenna Configurations	
	Band	Band	1	2
2A+n41A	LTE Band2	n41	LTE Ant.6	LTE Ant.1
			nr Ant.4	nr Ant.4
66A+n41A	LTE Band66	n41	LTE Ant.6	LTE Ant.1
			nr Ant.4	nr Ant.4
41A+n41A	LTE Band41	n41	LTE Ant.6	LTE Ant.1
			nr Ant.4	nr Ant.4

SA&ENDC Antenna Power Table

Mode	Band	Antenna	SA&ENDC Antenna							
			Full Power	Receiver on		Receiver off				
				Head		Body-Worn		Hotspot	Extremit	
				Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Simultaneous transmission	Standalone	Simultaneous transmission
					WWAN+WLAN		WWAN+WLAN	WWAN+WLAN		WWAN+WLAN
			Off	Level1	Level1	Off	Level2	Level2	Level3	Level3
5G NR n41 (SA)	n41	Ant.4	24.00	16.00	16.00	24.00	16.00	16.00	16.00	16.00
DC_2A+n41A	n41	Ant.4	24.00	14.00	14.00	24.00	14.00	14.00	14.00	14.00
	LTE Band2	Ant.6	23.50	15.50	15.50	23.50	15.50	15.50	15.50	15.50
	LTE Band2	Ant.1	23.50	21.50	21.50	23.50	21.50	21.50	21.50	21.50
DC_66A+n41A	n41	Ant.4	24.00	14.00	14.00	24.00	14.00	14.00	14.00	14.00
	LTE Band66	Ant.6	23.50	16.50	16.50	23.50	16.50	16.50	16.50	16.50
	LTE Band66	Ant.1	23.50	21.50	21.50	23.50	21.50	21.50	21.50	21.50
DC_41A+n41A	n41	Ant.4	24.00	14.00	14.00	24.00	14.00	14.00	14.00	14.00
	LTE Band41	Ant.6	23.50	14.50	14.50	23.50	14.50	14.50	14.50	14.50
	LTE Band41	Ant.1	23.50	20.50	20.50	23.50	20.50	20.50	20.50	20.50

WLAN Antenna SISO (2.4G Ant.5/5G Ant.5) Power Table

Mode	WLAN Antenna SISO（2.4G Ant.5/5G Ant.5）			
	Antenna	Full Power	Receiver on	Receiver off
			Head	Body-Worn&Extremit&Hotspot
			Standalone&Simultaneous transmission(WWAN+WLAN)	Standalone&Simultaneous transmission(WWAN+WLAN)
			Level1	Level2
2.4G WLAN 802.11b	Ant.5	17.00	14.00	14.00
2.4G WLAN 802.11g	Ant.5	16.00	13.00	13.00
2.4G WLAN 802.11n20	Ant.5	15.00	12.00	12.00
2.4G WLAN 802.11 ax20 (RU26)	Ant.5	15.00	12.00	12.00
5.2G WLAN 802.11a	Ant.5	15.00	15.00	15.00
5.2GWLAN 802.11n20	Ant.5	15.00	15.00	15.00
5.2GWLAN 802.11n40	Ant.5	15.00	15.00	15.00
5.2GWLAN 802.11ac20	Ant.5	14.00	14.00	14.00
5.2GWLAN 802.11ac40	Ant.5	13.00	13.00	13.00
5.2G WLAN 802.11ac80	Ant.5	13.00	13.00	13.00
5.2GWLAN 802.11ax20	Ant.5	14.00	14.00	14.00
5.2GWLAN 802.11ax40	Ant.5	13.00	13.00	13.00
5.2GWLAN 802.11ax80	Ant.5	13.00	13.00	13.00
5.2GWLAN 802.11ax20(RU26)	Ant.5	14.00	14.00	14.00
5.2GWLAN 802.11ax40(RU26)	Ant.5	13.00	13.00	13.00
5.2GWLAN 802.11ax80(RU26)	Ant.5	13.00	13.00	13.00
5.3G WLAN 802.11a	Ant.5	15.00	15.00	15.00
5.3G WLAN 802.11n20	Ant.5	15.00	15.00	15.00
5.3G WLAN 802.11n40	Ant.5	15.00	15.00	15.00
5.3G WLAN 802.11ac20	Ant.5	14.00	14.00	14.00
5.3G WLAN 802.11ac40	Ant.5	13.00	13.00	13.00
5.3G WLAN 802.11ac80	Ant.5	13.00	13.00	13.00
5.3GWLAN 802.11ax20	Ant.5	14.00	14.00	14.00
5.3GWLAN 802.11ax40	Ant.5	13.00	13.00	13.00
5.3GWLAN 802.11ax80	Ant.5	13.00	13.00	13.00
5.3GWLAN 802.11ax20(RU26)	Ant.5	14.00	14.00	14.00
5.3GWLAN 802.11ax40(RU26)	Ant.5	13.00	13.00	13.00
5.3G WLAN 802.11ax80(RU26)	Ant.5	13.00	13.00	13.00
5.6G WLAN 802.11a	Ant.5	15.00	15.00	15.00
5.6G WLAN 802.11n20	Ant.5	15.00	15.00	15.00
5.6G WLAN 802.11n40	Ant.5	15.00	15.00	15.00
5.6G WLAN 802.11ac20	Ant.5	14.00	14.00	14.00
5.6G WLAN 802.11ac40	Ant.5	13.00	13.00	13.00
5.6G WLAN 802.11ac80	Ant.5	13.00	13.00	13.00
5.6GWLAN 802.11ax20	Ant.5	14.00	14.00	14.00

5.6GWLAN 802.11ax40	Ant.5	13.00	13.00	13.00
5.6GWLAN 802.11ax80	Ant.5	13.00	13.00	13.00
5.6GWLAN 802.11ax20(RU26)	Ant.5	14.00	14.00	14.00
5.6GWLAN 802.11ax40(RU26)	Ant.5	13.00	13.00	13.00
5.6GWLAN 802.11ax80(RU26)	Ant.5	13.00	13.00	13.00
5.8G WLAN 802.11a	Ant.5	15.00	15.00	15.00
5.8G WLAN 802.11n20	Ant.5	15.00	15.00	15.00
5.8G WLAN 802.11n40	Ant.5	15.00	15.00	15.00
5.8G WLAN 802.11ac20	Ant.5	14.00	14.00	14.00
5.8G WLAN 802.11ac40	Ant.5	13.00	13.00	13.00
5.8G LAN 802.11ac80	Ant.5	13.00	13.00	13.00
5.8GWLAN 802.11ax20	Ant.5	14.00	14.00	14.00
5.8GWLAN 802.11ax40	Ant.5	13.00	13.00	13.00
5.8GWLAN 802.11ax80	Ant.5	13.00	13.00	13.00
5.8GWLAN 802.11ax20(RU26)	Ant.5	14.00	14.00	14.00
5.8GWLAN 802.11ax40(RU26)	Ant.5	13.00	13.00	13.00
Bluetooth	Ant.5	14.00	14.00	14.00

WLAN Antenna SISO (2.4G Ant.2/5G Ant.3) Power Table

Mode	WLAN Antenna SISO（2.4G Ant.2/5G Ant.3）			
	Antenna	Full Power	Receiver on	Receiver off
			Head	Body-Worn&Extremit&Hotspot
			Standalone&Simultaneous transmission(WWAN+WLAN)	Standalone&Simultaneous transmission(WWAN+WLAN)
			Level1	Level2
2.4G WLAN 802.11b	Ant.2	17.00	17.00	17.00
2.4G WLAN 802.11g	Ant.2	16.00	16.00	16.00
2.4G WLAN 802.11n20	Ant.2	15.00	15.00	15.00
2.4G WLAN 802.11 ax20 (RU26)	Ant.2	15.00	15.00	15.00
5.2G WLAN 802.11a	Ant.3	15.00	15.00	15.00
5.2GWLAN 802.11n20	Ant.3	15.00	15.00	15.00
5.2GWLAN 802.11n40	Ant.3	15.00	15.00	15.00
5.2GWLAN 802.11ac20	Ant.3	14.00	14.00	14.00
5.2GWLAN 802.11ac40	Ant.3	13.00	13.00	13.00
5.2G WLAN 802.11ac80	Ant.3	13.00	13.00	13.00
5.2GWLAN 802.11ax20	Ant.3	14.00	14.00	14.00
5.2GWLAN 802.11ax40	Ant.3	13.00	13.00	13.00
5.2GWLAN 802.11ax80	Ant.3	13.00	13.00	13.00
5.2GWLAN 802.11ax20(RU26)	Ant.3	14.00	14.00	14.00
5.2GWLAN 802.11ax40(RU26)	Ant.3	13.00	13.00	13.00
5.2GWLAN 802.11ax80(RU26)	Ant.3	13.00	13.00	13.00
5.3G WLAN 802.11a	Ant.3	15.00	15.00	15.00

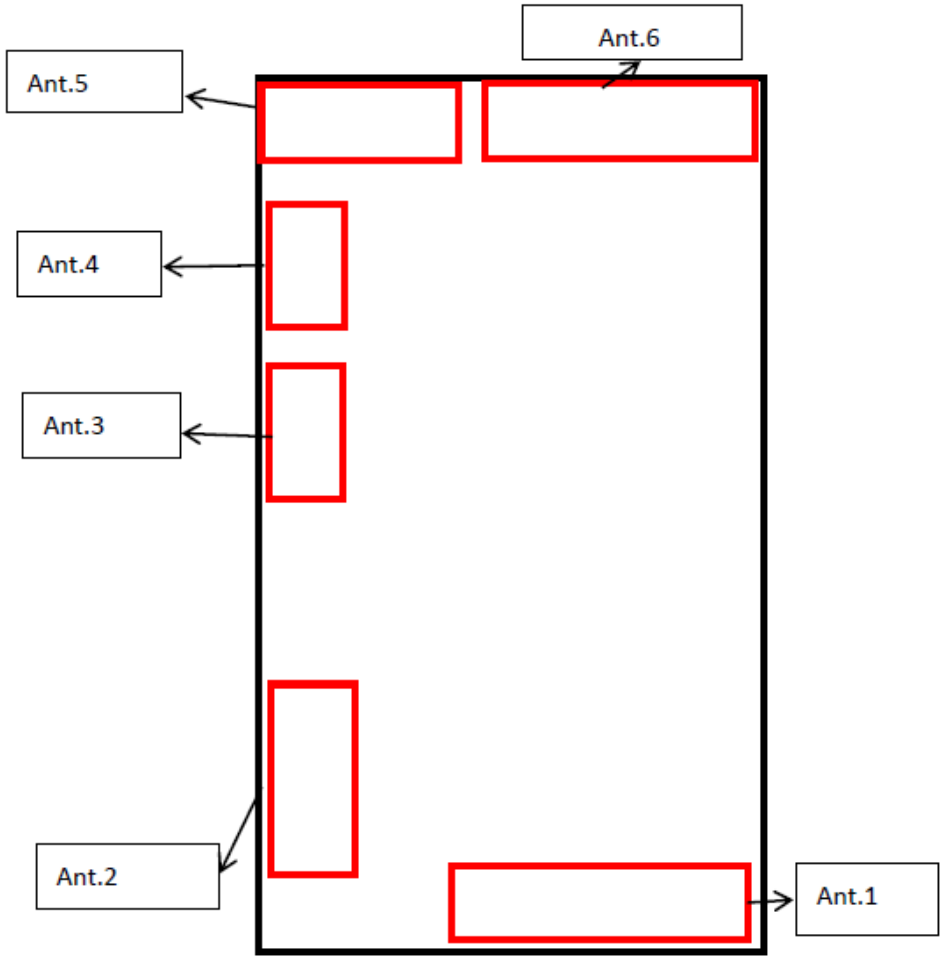
5.3G WLAN 802.11n20	Ant.3	15.00	15.00	15.00
5.3G WLAN 802.11n40	Ant.3	15.00	15.00	15.00
5.3G WLAN 802.11ac20	Ant.3	14.00	14.00	14.00
5.3G WLAN 802.11ac40	Ant.3	13.00	13.00	13.00
5.3G WLAN 802.11ac80	Ant.3	13.00	13.00	13.00
5.3GWLAN 802.11ax20	Ant.3	14.00	14.00	14.00
5.3GWLAN 802.11ax40	Ant.3	13.00	13.00	13.00
5.3GWLAN 802.11ax80	Ant.3	13.00	13.00	13.00
5.3GWLAN 802.11ax20(RU26)	Ant.3	14.00	14.00	14.00
5.3GWLAN 802.11ax40(RU26)	Ant.3	13.00	13.00	13.00
5.3G WLAN 802.11ax80(RU26)	Ant.3	13.00	13.00	13.00
5.6G WLAN 802.11a	Ant.3	15.00	15.00	15.00
5.6G WLAN 802.11n20	Ant.3	15.00	15.00	15.00
5.6G WLAN 802.11n40	Ant.3	15.00	15.00	15.00
5.6G WLAN 802.11ac20	Ant.3	14.00	14.00	14.00
5.6G WLAN 802.11ac40	Ant.3	13.00	13.00	13.00
5.6G WLAN 802.11ac80	Ant.3	13.00	13.00	13.00
5.6GWLAN 802.11ax20	Ant.3	14.00	14.00	14.00
5.6GWLAN 802.11ax40	Ant.3	13.00	13.00	13.00
5.6GWLAN 802.11ax80	Ant.3	13.00	13.00	13.00
5.6GWLAN 802.11ax20(RU26)	Ant.3	14.00	14.00	14.00
5.6GWLAN 802.11ax40(RU26)	Ant.3	13.00	13.00	13.00
5.6GWLAN 802.11ax80(RU26)	Ant.3	13.00	13.00	13.00
5.8G WLAN 802.11a	Ant.3	15.00	15.00	15.00
5.8G WLAN 802.11n20	Ant.3	15.00	15.00	15.00
5.8G WLAN 802.11n40	Ant.3	15.00	15.00	15.00
5.8G WLAN 802.11ac20	Ant.3	14.00	14.00	14.00
5.8G WLAN 802.11ac40	Ant.3	13.00	13.00	13.00
5.8G LAN 802.11ac80	Ant.3	13.00	13.00	13.00
5.8GWLAN 802.11ax20	Ant.3	14.00	14.00	14.00
5.8GWLAN 802.11ax40	Ant.3	13.00	13.00	13.00
5.8GWLAN 802.11ax80	Ant.3	13.00	13.00	13.00
5.8GWLAN 802.11ax20(RU26)	Ant.3	14.00	14.00	14.00
5.8GWLAN 802.11ax40(RU26)	Ant.3	13.00	13.00	13.00

WLAN Antenna (2.4G Ant.5&2/5G Ant.5&3) Power Table

Mode	WLAN Antenna (2.4G Ant5&2/5G Ant.5&3)			
	Antenna	Full Power	Receiver on	Receiver off
			Head	Body-Worn&Extremit&Hotspot
			Standalone&Simultaneous transmission(WWAN+WLAN)	Standalone&Simultaneous transmission(WWAN+WLAN)
			Level1	Level2
2.4G WLAN 802.11b	Ant.5&2	17.00	14.00	14.00
2.4G WLAN 802.11g	Ant.5&2	16.00	13.00	13.00
2.4G WLAN 802.11n20	Ant.5&2	15.00	12.00	12.00
2.4G WLAN 802.11 ax20 (RU26)	Ant.5&2	15.00	12.00	12.00
5.2G WLAN 802.11a	Ant.5&3	15.00	15.00	15.00
5.2GWLAN 802.11n20	Ant.5&3	15.00	15.00	15.00
5.2GWLAN 802.11n40	Ant.5&3	15.00	15.00	15.00
5.2GWLAN 802.11ac20	Ant.5&3	14.00	14.00	14.00
5.2GWLAN 802.11ac40	Ant.5&3	13.00	13.00	13.00
5.2G WLAN 802.11ac80	Ant.5&3	13.00	13.00	13.00
5.2GWLAN 802.11ax20	Ant.5&3	14.00	14.00	14.00
5.2GWLAN 802.11ax40	Ant.5&3	13.00	13.00	13.00
5.2GWLAN 802.11ax80	Ant.5&3	13.00	13.00	13.00
5.2GWLAN 802.11ax20(RU26)	Ant.5&3	14.00	14.00	14.00
5.2GWLAN 802.11ax40(RU26)	Ant.5&3	13.00	13.00	13.00
5.2GWLAN 802.11ax80(RU26)	Ant.5&3	13.00	13.00	13.00
5.3G WLAN 802.11a	Ant.5&3	15.00	15.00	15.00
5.3G WLAN 802.11n20	Ant.5&3	15.00	15.00	15.00
5.3G WLAN 802.11n40	Ant.5&3	15.00	15.00	15.00
5.3G WLAN 802.11ac20	Ant.5&3	14.00	14.00	14.00
5.3G WLAN 802.11ac40	Ant.5&3	13.00	13.00	13.00
5.3G WLAN 802.11ac80	Ant.5&3	13.00	13.00	13.00
5.3GWLAN 802.11ax20	Ant.5&3	14.00	14.00	14.00
5.3GWLAN 802.11ax40	Ant.5&3	13.00	13.00	13.00
5.3GWLAN 802.11ax80	Ant.5&3	13.00	13.00	13.00
5.3GWLAN 802.11ax20(RU26)	Ant.5&3	14.00	14.00	14.00
5.3GWLAN 802.11ax40(RU26)	Ant.5&3	13.00	13.00	13.00
5.3G WLAN 802.11ax80(RU26)	Ant.5&3	13.00	13.00	13.00
5.6G WLAN 802.11a	Ant.5&3	15.00	15.00	15.00
5.6G WLAN 802.11n20	Ant.5&3	15.00	15.00	15.00
5.6G WLAN 802.11n40	Ant.5&3	15.00	15.00	15.00
5.6G WLAN 802.11ac20	Ant.5&3	14.00	14.00	14.00
5.6G WLAN 802.11ac40	Ant.5&3	13.00	13.00	13.00
5.6G WLAN 802.11ac80	Ant.5&3	13.00	13.00	13.00
5.6GWLAN 802.11ax20	Ant.5&3	14.00	14.00	14.00

5.6GWLAN 802.11ax40	Ant.5&3	13.00	13.00	13.00
5.6GWLAN 802.11ax80	Ant.5&3	13.00	13.00	13.00
5.6GWLAN 802.11ax20(RU26)	Ant.5&3	14.00	14.00	14.00
5.6GWLAN 802.11ax40(RU26)	Ant.5&3	13.00	13.00	13.00
5.6GWLAN 802.11ax80(RU26)	Ant.5&3	13.00	13.00	13.00
5.8G WLAN 802.11a	Ant.5&3	15.00	15.00	15.00
5.8G WLAN 802.11n20	Ant.5&3	15.00	15.00	15.00
5.8G WLAN 802.11n40	Ant.5&3	15.00	15.00	15.00
5.8G WLAN 802.11ac20	Ant.5&3	14.00	14.00	14.00
5.8G WLAN 802.11ac40	Ant.5&3	13.00	13.00	13.00
5.8G LAN 802.11ac80	Ant.5&3	13.00	13.00	13.00
5.8GWLAN 802.11ax20	Ant.5&3	14.00	14.00	14.00
5.8GWLAN 802.11ax40	Ant.5&3	13.00	13.00	13.00
5.8GWLAN 802.11ax80	Ant.5&3	13.00	13.00	13.00
5.8GWLAN 802.11ax20(RU26)	Ant.5&3	14.00	14.00	14.00
5.8GWLAN 802.11ax40(RU26)	Ant.5&3	13.00	13.00	13.00

9 TEST EXCLUSION CONSIDERATION



<EUT Back View>

Antenna	Description	Support Bands
Antenna 1	2/3/4G TX Antenna	GSM: 850/1900 WCDMA: B2/4/5 CDMA:BC0/BC1 LTE: B2/4/5/7/12/17/26/66/38/41
Antenna 2	2.4G TX Antenna	2.4G WLAN
Antenna 3	5G TX Antenna	5G WLAN
Antenna 4	5G NR TX Antenna	NR: n41
Antenna 5	2.4G/5G/Bluetooth TX Antenna	2.4G/5G WLAN Bluetooth
Antenna 6	2/3/4G TX Antenna	GSM: 850/1900 WCDMA: B2/4/5 CDMA:BC0/BC1 LTE: B2/4/5/7/12/17/26/66/38/41
Note: WWAN TX antennas for certain frequency band can switch automatically, but only one antenna can transmit at same time.		

Antenna	Front Side (mm)	Back Side (mm)	Left Edge (mm)	Right Edge (mm)	Top Edge (mm)	Bottom Edge (mm)
Antenna 1	<5	<5	22	<5	152	<5
Antenna 2	<5	<5	<5	67	100	30
Antenna 3	<5	<5	<5	67	32	108
Antenna 4	<5	<5	<5	67	22	124
Antenna 5	<5	<5	<5	55	<5	155
Antenna 6	<5	<5	20	<5	<5	155

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 :

Antenna 1

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	Voice	33.50	2238.72	Yes	Yes	Yes	Yes	No	Yes
	Data	33.50	2238.72	Yes	Yes	Yes	Yes	No	Yes
GSM 1900	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	Voice	31.00	1258.93	Yes	Yes	Yes	Yes	No	Yes
	Data	31.00	1258.93	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 2	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	RMC	23.50	223.87	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 4	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	RMC	23.50	223.87	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
CDMA BC0	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	1xRTT	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
CDMA BC1	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	1xRTT	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 2	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	No	Yes
LTE Band 4	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 7	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	No	Yes
LTE Band 12	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 17	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 26	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 66	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	No	Yes
LTE Band 38	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	No	Yes
LTE Band 41	Distance to User			<5mm	<5mm	22mm	<5mm	152mm	<5mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	No	Yes

Antenna 2

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 2.4 G	Distance to User			<5mm	<5mm	<5mm	67mm	100mm	30mm
	802.11b	17.00	50.12	Yes	Yes	Yes	Yes	Yes	Yes
	802.11g	16.00	39.81	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11ax(HE20)	15.00	31.62	No	No	No	No	No	No

Antenna 3

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 5.2 G	Distance to User			<5mm	<5mm	<5mm	67mm	32mm	108mm
	802.11a	15.00	31.62	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	15.00	31.62	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	14.00	25.12	No	No	No	No	No	No
	802.11ac(VHT40)	13.00	19.95	No	No	No	No	No	No
	802.11ac(VHT80)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE20)	14.00	25.12	No	No	No	No	No	No
	802.11ax(HE40)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE80)	13.00	19.95	No	No	No	No	No	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	67mm	32mm	108mm
	802.11a	15.00	31.62	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	15.00	31.62	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	14.00	25.12	No	No	No	No	No	No
	802.11ac(VHT40)	13.00	19.95	No	No	No	No	No	No
	802.11ac(VHT80)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE20)	14.00	25.12	No	No	No	No	No	No
	802.11ax(HE40)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE80)	13.00	19.95	No	No	No	No	No	No
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	67mm	32mm	108mm
	802.11a	15.00	31.62	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	15.00	31.62	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	14.00	25.12	No	No	No	No	No	No
	802.11ac(VHT40)	13.00	19.95	No	No	No	No	No	No
	802.11ac(VHT80)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE20)	14.00	25.12	No	No	No	No	No	No
	802.11ax(HE40)	13.00	19.95	No	No	No	No	No	No

	802.11ax(HE80)	13.00	19.95	No	No	No	No	No	No
WLAN 5.8 G	Distance to User			<5mm	<5mm	<5mm	67mm	32mm	108mm
	802.11a	15.00	31.62	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	15.00	31.62	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	14.00	25.12	No	No	No	No	No	No
	802.11ac(VHT40)	13.00	19.95	No	No	No	No	No	No
	802.11ac(VHT80)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE20)	14.00	25.12	No	No	No	No	No	No
	802.11ax(HE40)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE80)	13.00	19.95	No	No	No	No	No	No

Antenna 4

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
NR n41	Distance to User			<5mm	<5mm	<5mm	67mm	22mm	124mm
	DFT-s-OFDM	24.00	251.19	Yes	Yes	Yes	No	Yes	No

Antenna 5

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 2.4 G	Distance to User			<5mm	<5mm	<5mm	55mm	<5mm	155mm
	802.11b	17.00	50.12	Yes	Yes	Yes	Yes	Yes	Yes
	802.11g	16.00	39.81	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11ax(HE20)	15.00	31.62	No	No	No	No	No	No
WLAN 5.2 G	Distance to User			<5mm	<5mm	<5mm	55mm	<5mm	155mm
	802.11a	15.00	31.62	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	15.00	31.62	<5mm	<5mm	<5mm	55mm	<5mm	155mm
	802.11ac(VHT20)	14.00	25.12	No	No	No	No	No	No
	802.11ac(VHT40)	13.00	19.95	No	No	No	No	No	No
	802.11ac(VHT80)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE20)	14.00	25.12	No	No	No	No	No	No
	802.11ax(HE40)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE80)	13.00	19.95	No	No	No	No	No	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	55mm	<5mm	155mm
	802.11a	15.00	31.62	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	15.00	31.62	Yes	Yes	Yes	Yes	Yes	Yes

	802.11ac(VHT20)	14.00	25.12	No	No	No	No	No	No
	802.11ac(VHT40)	13.00	19.95	No	No	No	No	No	No
	802.11ac(VHT80)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE20)	14.00	25.12	No	No	No	No	No	No
	802.11ax(HE40)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE80)	13.00	19.95	No	No	No	No	No	No
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	55mm	<5mm	155mm
	802.11a	15.00	31.62	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	15.00	31.62	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	14.00	25.12	No	No	No	No	No	No
	802.11ac(VHT40)	13.00	19.95	No	No	No	No	No	No
	802.11ac(VHT80)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE20)	14.00	25.12	No	No	No	No	No	No
	802.11ax(HE40)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE80)	13.00	19.95	No	No	No	No	No	No
WLAN 5.8 G	Distance to User			<5mm	<5mm	<5mm	55mm	<5mm	155mm
	802.11a	15.00	31.62	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	15.00	31.62	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	14.00	25.12	No	No	No	No	No	No
	802.11ac(VHT40)	13.00	19.95	No	No	No	No	No	No
	802.11ac(VHT80)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE20)	14.00	25.12	No	No	No	No	No	No
	802.11ax(HE40)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE80)	13.00	19.95	No	No	No	No	No	No
Bluetooth	Distance to User			<5mm	<5mm	<5mm	55mm	<5mm	155mm
	BR/EDR	14.00	25.12	Yes	Yes	Yes	Yes	Yes	Yes
	BLE	12.00	15.85	No	No	No	No	No	No

Antenna 6

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	Voice	33.50	2238.72	Yes	Yes	Yes	Yes	Yes	No
	Data	33.50	2238.72	Yes	Yes	Yes	Yes	Yes	No
GSM 1900	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	Voice	31.00	1258.93	Yes	Yes	Yes	Yes	Yes	No
	Data	31.00	1258.93	Yes	Yes	Yes	Yes	Yes	No
WCDMA Band 2	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	RMC	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
WCDMA Band 4	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	RMC	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
WCDMA Band 5	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	Yes	No
CDMA BC0	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	1xRTT	25.00	316.23	Yes	Yes	Yes	Yes	Yes	No
CDMA BC1	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	1xRTT	25.00	316.23	Yes	Yes	Yes	Yes	Yes	No
LTE Band 2	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 4	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 5	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 7	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 12	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 17	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 26	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 66	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 38	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 41	Distance to User			<5mm	<5mm	20mm	<5mm	<5mm	155mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No

Note:

1. Maximum power is the source-based time-average power and represents the maximum RF output power including tune-up tolerance among production units
2. Per KDB 447498 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.

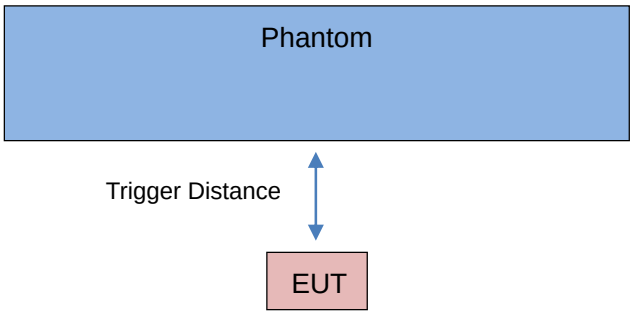
   This formula is [3.0] / [√f(GHz)] ·[(min. test separation distance, mm)] = exclusion threshold of mW.
5. Per KDB 447498 D01, at 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following
   a. [Threshold at 50 mm in step 1) + (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 Proximity Sensor Triggering Test

10.1 Procedures for determining proximity sensor distance

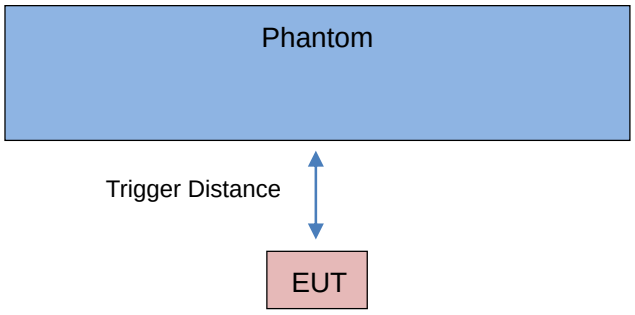
Proximity sensor triggering distance testing was performed, EUT moving further away from the phantom and EUT moving toward the phantom were both assessed, and the shortest triggering distances were reported and used for SAR assessment.

10.1.1 proximity sensor channel-1



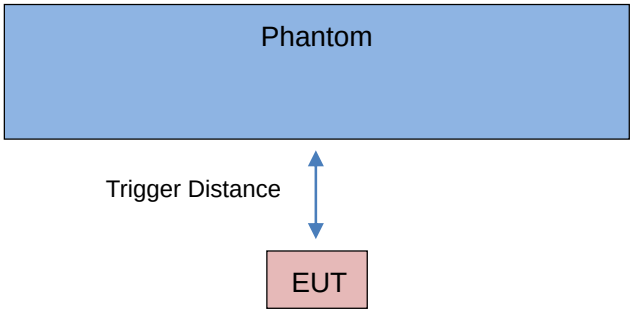
Distance in mm	1	2	3	4	5	6	7	8	9
Front Side	On	On	On	On	On	Off	Off	Off	Off
Back Side	On	On	On	On	On	Off	Off	Off	Off
Left Edge	On	On	On	On	On	Off	Off	Off	Off
Right Edge	On	On	On	On	On	Off	Off	Off	Off
Top Edge	On	On	On	On	On	Off	Off	Off	Off
Bottom Edge	On	On	On	On	On	Off	Off	Off	Off
Note: Power reduction is only applicable for ANT6(GSM 850/1900;WCDMA B2/4/5;LTE B2/4/5/7/26/66/38/41)									

10.1.2 proximity sensor channel-2



Distance in mm	1	2	3	4	5	6	7	8	9
Front Side	On	On	On	On	On	Off	Off	Off	Off
Back Side	On	On	On	On	On	Off	Off	Off	Off
Left Edge	On	On	On	On	On	Off	Off	Off	Off
Right Edge	On	On	On	On	On	Off	Off	Off	Off
Top Edge	On	On	On	On	On	Off	Off	Off	Off
Bottom Edge	On	On	On	On	On	Off	Off	Off	Off
Note: Power reduction is only applicable for ANT1(GSM 850/1900;WCDMA B2/4/5;LTE B2/4/5/7/26/66/38/41)									

10.1.3 proximity sensor channel-3



Distance in mm	1	2	3	4	5	6	7	8	9
Front Side	On	On	On	On	On	Off	Off	Off	Off
Back Side	On	On	On	On	On	Off	Off	Off	Off
Left Edge	On	On	On	On	On	Off	Off	Off	Off
Right Edge	On	On	On	On	On	Off	Off	Off	Off
Top Edge	On	On	On	On	On	Off	Off	Off	Off
Bottom Edge	On	On	On	On	On	Off	Off	Off	Off
Note: Power reduction is only applicable for ANT4(NR N41)									

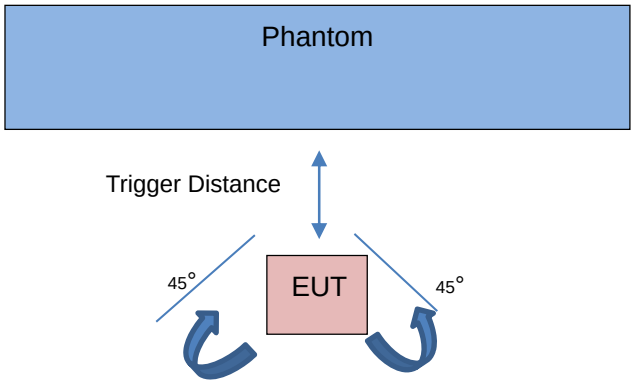
10.2 Procedures for determining tablet tilt angle influences to proximity sensor triggering

The influence of EUT tilt angles to proximity sensor channel-1 triggering was determined by positioning each EUT edge that contains a transmitting antenna 6, perpendicular to the flat phantom, at 5 mm separation for the front side,back side,left edge,right edge,top edge and bottom edge.

The influence of EUT tilt angles to proximity sensor channel-2 triggering was determined by positioning each EUT edge that contains a transmitting antenna 1, perpendicular to the flat phantom, at 5 mm separation for the front side,back side,left edge,right edge,top edge and bottom edge.

The influence of EUT tilt angles to proximity sensor channel-3 triggering was determined by positioning each EUT edge that contains a transmitting antenna 2/3/4/5, perpendicular to the flat phantom, at 5 mm separation for the front side,back side,left edge,right edge,top edge and bottom edge.

Rotating the tablet around the edge next to the phantom in $\leqslant 10^{\circ}$ increments until the tablet is $\pm 45^{\circ}$ from the vertical position at 0°, and the maximum output power remains in the reduced mode.



For verification of compliance of power reduction scheme, additional SAR test with EUT transmitting at full RF power at a separation of "the triggering distance – 1 mm"

proximity sensor channel-1

EUT Sides	Additional SAR test Distance in mm
Front Side	4
Back Side	4
Left Edge	4
Right Edge	4
Top Edge	4
Bottom Edge	4

proximity sensor channel-2

EUT Sides	Additional SAR test Distance in mm
Front Side	4
Back Side	4
Left Edge	4
Right Edge	4
Top Edge	4
Bottom Edge	4

proximity sensor channel-3

EUT Sides	Additional SAR test Distance in mm
Front Side	4
Back Side	4
Left Edge	4
Right Edge	4
Top Edge	4
Bottom Edge	4

11 TEST RESULT

11.1 GSM 850

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Reduction	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.6	GPRS (2slots)	Left Cheek	0	251	848.80	Level1	0.03	0.442	25.22	26.50	1.343	0.594	/
		Left Tilt	0	251	848.80	Level1	0.01	0.366	25.22	26.50	1.343	0.491	/
		Right Cheek	0	251	848.80	Level1	-0.06	0.591	25.22	26.50	1.343	**0.794**	1
		Right Tilt	0	251	848.80	Level1	-0.12	0.521	25.22	26.50	1.343	0.700	/
Ant.1	GPRS (2slots)	Left Cheek	0	190	836.60	Off	0.07	0.176	30.54	31.50	1.247	0.220	/
		Left Tilt	0	190	836.60	Off	0.03	0.095	30.54	31.50	1.247	0.119	/
		Right Cheek	0	190	836.60	Off	0.16	0.108	30.54	31.50	1.247	0.135	/
		Right Tilt	0	190	836.60	Off	0.15	0.081	30.54	31.50	1.247	0.101	/
Body-worn Accessory													
Ant.6	Voice	Front Side	15	190	836.60	Off	-0.04	0.241	32.99	33.50	1.125	**0.271**	2
		Back Side	15	190	836.60	Off	0.06	0.226	32.99	33.50	1.125	0.254	/
	GPRS (2slots)	Front Side	15	251	848.80	Off	0.09	0.228	30.89	31.50	1.151	0.262	/
		Back Side	15	251	848.80	Off	0.11	0.212	30.89	31.50	1.151	0.244	/
Ant.6	Voice	Front Side	15	190	836.60	Level2	-0.04	0.071	27.24	28.50	1.337	0.095	/
		Back Side	15	190	836.60	Level2	0.01	0.068	27.24	28.50	1.337	0.091	/
	GPRS (2slots)	Front Side	15	251	848.80	Level2	-0.06	0.072	25.22	26.50	1.343	0.097	/
		Back Side	15	251	848.80	Level2	0.08	0.068	25.22	26.50	1.343	0.091	/
Ant.1	Voice	Front Side	15	190	836.60	Off	0.18	0.206	32.62	33.50	1.225	0.252	/
		Back Side	15	190	836.60	Off	0.16	0.220	32.62	33.50	1.225	0.269	/
	GPRS (2slots)	Front Side	15	251	848.80	Off	0.13	0.198	30.54	31.50	1.247	0.247	/
		Back Side	15	251	848.80	Off	-0.02	0.216	30.54	31.50	1.247	0.269	/
Hotspot													
Ant.6	GPRS (2slots)	Front Side	10	251	848.80	Level2	0.04	0.147	25.22	26.50	1.343	0.197	/
		Back Side	10	251	848.80	Level2	0.09	0.138	25.22	26.50	1.343	0.185	/
		Left Edge	10	251	848.80	Level2	0.01	0.012	25.22	26.50	1.343	0.016	/
		Right Edge	10	251	848.80	Level2	0.07	0.063	25.22	26.50	1.343	0.085	/
		Top Edge	10	251	848.80	Level2	-0.12	0.125	25.22	26.50	1.343	0.168	/
Ant.1	GPRS (2slots)	Front Side	10	251	848.80	Off	0.05	0.362	30.54	31.50	1.247	0.452	/
		Back Side	10	251	848.80	Off	0.06	0.388	30.54	31.50	1.247	**0.484**	3
		Left Edge	10	251	848.80	Off	0.11	0.060	30.54	31.50	1.247	0.075	/
		Right Edge	10	251	848.80	Off	0.08	0.156	30.54	31.50	1.247	0.195	/
		Bottom Edge	10	251	848.80	Off	-0.03	0.371	30.54	31.50	1.247	0.463	/

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

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Reduction	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-Sensor off													
Ant.6	GPRS (2slots)	Front Side	4	251	848.80	Off	-0.06	0.621	30.89	31.50	1.151	**0.715**	4
		Back Side	4	251	848.80	Off	-0.05	0.550	30.89	31.50	1.151	0.633	/
		Left Edge	4	251	848.80	Off	-0.15	0.040	30.89	31.50	1.151	0.046	/
		Right Edge	4	251	848.80	Off	0.07	0.237	30.89	31.50	1.151	0.273	/
		Top Edge	4	251	848.80	Off	0.16	0.435	30.89	31.50	1.151	0.501	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.2 GSM 1900

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Reduction	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.6	GPRS (2slots)	Left Cheek	0	661	1880.00	Level1	0.01	0.371	23.43	25.00	1.435	0.533	/
		Left Tilt	0	661	1880.00	Level1	0.03	0.312	23.43	25.00	1.435	0.448	/
		Right Cheek	0	661	1880.00	Level1	-0.01	0.612	23.43	25.00	1.435	**0.879**	5
			0	661	1880.00	Level1	0.03	0.580	23.42	25.00	1.439	0.835	/
			0	661	1880.00	Level1	-0.05	0.575	23.34	25.00	1.466	0.843	/
		Right Tilt	0	661	1880.00	Level1	0.15	0.533	23.43	25.00	1.435	0.765	/
Ant.1	GPRS (2slots)	Left Cheek	0	512	1850.20	Off	0.11	0.069	28.71	29.00	1.069	0.074	/
		Left Tilt	0	512	1850.20	Off	0.09	0.047	28.71	29.00	1.069	0.050	/
		Right Cheek	0	512	1850.20	Off	-0.07	0.051	28.71	29.00	1.069	0.055	/
		Right Tilt	0	512	1850.20	Off	0.02	0.040	28.71	29.00	1.069	0.043	/
Body-worn Accessory													
Ant.6	Voice	Front Side	15	810	1909.80	Off	0.09	0.191	30.41	31.00	1.146	0.219	/
		Back Side	15	810	1909.80	Off	0.14	0.195	30.41	31.00	1.146	0.223	/
	GPRS (2slots)	Front Side	15	661	1880.00	Off	-0.16	0.189	28.45	29.00	1.135	0.215	/
		Back Side	15	661	1880.00	Off	0.02	0.195	28.45	29.00	1.135	0.221	/
Ant.6	Voice	Front Side	15	661	1880.00	Level2	0.07	0.081	25.31	27.00	1.476	0.120	/
		Back Side	15	661	1880.00	Level2	0.01	0.083	25.31	27.00	1.476	0.122	/
	GPRS (2slots)	Front Side	15	661	1880.00	Level2	0.04	0.075	23.43	25.00	1.435	0.108	/
		Back Side	15	661	1880.00	Level2	0.08	0.077	23.43	25.00	1.435	0.111	/
Ant.1	Voice	Front Side	15	661	1880.00	Off	0.06	0.141	30.58	31.00	1.102	0.155	/
		Back Side	15	661	1880.00	Off	0.11	0.128	30.58	31.00	1.102	0.141	/
	GPRS (2slots)	Front Side	15	512	1850.20	Off	0.18	0.212	28.71	29.00	1.069	**0.227**	6
		Back Side	15	512	1850.20	Off	-0.03	0.201	28.71	29.00	1.069	0.215	/
Hotspot													
Ant.6	GPRS (2slots)	Front Side	10	661	1880.00	Level2	0.04	0.135	23.43	25.00	1.435	0.194	/
		Back Side	10	661	1880.00	Level2	0.05	0.141	23.43	25.00	1.435	0.202	/
		Left Edge	10	661	1880.00	Level2	0.00	0.018	23.43	25.00	1.435	0.026	/
		Right Edge	10	661	1880.00	Level2	0.11	0.102	23.43	25.00	1.435	0.146	/
		Top Edge	10	661	1880.00	Level2	0.06	0.065	23.43	25.00	1.435	0.093	/
Ant.1	GPRS (2slots)	Front Side	10	512	1850.20	Off	-0.01	0.354	28.71	29.00	1.069	**0.378**	7
		Back Side	10	512	1850.20	Off	0.08	0.341	28.71	29.00	1.069	0.365	/
		Left Edge	10	512	1850.20	Off	0.01	0.046	28.71	29.00	1.069	0.049	/
		Right Edge	10	512	1850.20	Off	-0.04	0.267	28.71	29.00	1.069	0.285	/
		Bottom Edge	10	512	1850.20	Off	0.09	0.181	28.71	29.00	1.069	0.193	/

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

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Reduction	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-Sensor off													
Ant.6	GPRS (2slots)	Front Side	4	661	1880.00	Off	-0.16	0.635	28.45	29.00	1.135	0.721	/
		Back Side	4	661	1880.00	Off	0.04	0.643	28.45	29.00	1.135	**0.730**	8
		Left Edge	4	661	1880.00	Off	0.14	0.026	28.45	29.00	1.135	0.030	/
		Right Edge	4	661	1880.00	Off	-0.08	0.425	28.45	29.00	1.135	0.482	/
		Top Edge	4	661	1880.00	Off	-0.02	0.251	28.45	29.00	1.135	0.285	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.3 CDMA BC0

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Reduction	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.6	1xRTT (RC3 SO55)	Left Cheek	0	1013	824.70	Off	0.12	0.222	23.19	25.00	1.517	0.337	/
		Left Tilt	0	1013	824.70	Off	-0.11	0.179	23.19	25.00	1.517	0.272	/
		Right Cheek	0	1013	824.70	Off	-0.02	0.316	23.19	25.00	1.517	**0.479**	9
		Right Tilt	0	1013	824.70	Off	0.03	0.281	23.19	25.00	1.517	0.426	/
Ant.1	1xRTT (RC3 SO55)	Left Cheek	0	1013	824.70	Off	0.06	0.077	23.41	25.00	1.442	0.111	/
		Left Tilt	0	1013	824.70	Off	0.09	0.054	23.41	25.00	1.442	0.078	/
		Right Cheek	0	1013	824.70	Off	0.13	0.091	23.41	25.00	1.442	0.131	/
		Right Tilt	0	1013	824.70	Off	-0.08	0.062	23.41	25.00	1.442	0.089	/
Body-worn Accessory													
Ant.6	1xRTT (RC3 SO32)	Front Side	15	777	848.31	Off	0.11	0.061	23.19	25.00	1.517	0.093	/
		Back Side	15	777	848.31	Off	0.03	0.079	23.19	25.00	1.517	0.120	/
Ant.1	1xRTT (RC3 SO32)	Front Side	15	777	848.31	Off	0.02	0.121	23.41	25.00	1.442	0.174	/
		Back Side	15	777	848.31	Off	0.05	0.134	23.41	25.00	1.442	**0.193**	10
Hotspot													
Ant.6	EVDO Rel.0	Front Side	10	1013	824.70	Off	0.07	0.034	23.19	25.00	1.517	0.052	/
		Back Side	10	1013	824.70	Off	0.09	0.031	23.19	25.00	1.517	0.047	/
		Left Edge	10	1013	824.70	Off	0.06	0.023	23.19	25.00	1.517	0.035	/
		Right Edge	10	1013	824.70	Off	0.11	0.016	23.19	25.00	1.517	0.024	/
		Top Edge	10	1013	824.70	Off	0.13	0.053	23.19	25.00	1.517	0.080	/
Ant.1	EVDO Rel.0	Front Side	10	1013	824.70	Off	0.11	0.142	23.41	25.00	1.442	0.205	/
		Back Side	10	1013	824.70	Off	0.05	0.172	23.41	25.00	1.442	**0.248**	11
		Left Edge	10	1013	824.70	Off	0.02	0.012	23.41	25.00	1.442	0.017	/
		Right Edge	10	1013	824.70	Off	0.09	0.066	23.41	25.00	1.442	0.095	/
		Bottom Edge	10	1013	824.70	Off	0.16	0.156	23.41	25.00	1.442	0.225	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.4CDMA BC1

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Reduction	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.6	1xRTT (RC3 SO55)	Left Cheek	0	1175	1908.75	Off	0.07	0.325	23.78	25.00	1.324	0.430	/
		Left Tilt	0	1175	1908.75	Off	0.04	0.259	23.78	25.00	1.324	0.343	/
		Right Cheek	0	1175	1908.75	Off	-0.04	0.806	23.78	25.00	1.324	**1.067**	12
			0	25	1851.25	Off	-0.03	0.748	23.51	25.00	1.409	1.054	/
			0	600	1880.00	Off	0.11	0.755	23.62	25.00	1.374	1.037	/
		Right Tilt	0	1175	1908.75	Off	0.13	0.474	23.78	25.00	1.324	0.628	/
Ant.1	1xRTT (RC3 SO55)	Left Cheek	0	1175	1908.75	Off	0.06	0.185	23.96	25.00	1.271	0.235	/
		Left Tilt	0	1175	1908.75	Off	0.09	0.125	23.96	25.00	1.271	0.159	/
		Right Cheek	0	1175	1908.75	Off	0.02	0.115	23.96	25.00	1.271	0.146	/
		Right Tilt	0	1175	1908.75	Off	0.11	0.090	23.96	25.00	1.271	0.114	/
Body-worn Accessory													
Ant.6	1xRTT (RC3 SO32)	Front Side	15	1175	1908.75	Off	0.07	0.071	23.78	25.00	1.324	0.094	/
		Back Side	15	1175	1908.75	Off	0.09	0.074	23.78	25.00	1.324	0.098	/
Ant.1	1xRTT (RC3 SO32)	Front Side	15	1175	1908.75	Off	0.11	0.341	23.96	25.00	1.271	**0.433**	13
		Back Side	15	1175	1908.75	Off	-0.06	0.323	23.96	25.00	1.271	0.410	/
Hotspot													
Ant.6	EVDO Rel.0	Front Side	10	1175	1908.75	Off	0.02	0.078	23.78	25.00	1.324	0.103	/
		Back Side	10	1175	1908.75	Off	0.04	0.072	23.78	25.00	1.324	0.095	/
		Left Edge	10	1175	1908.75	Off	0.06	0.023	23.78	25.00	1.324	0.030	/
		Right Edge	10	1175	1908.75	Off	0.11	0.058	23.78	25.00	1.324	0.077	/
		Top Edge	10	1175	1908.75	Off	-0.06	0.032	23.78	25.00	1.324	0.042	/
Ant.1	EVDO Rel.0	Front Side	10	1175	1908.75	Off	-0.01	0.571	23.96	25.00	1.271	**0.725**	14
		Back Side	10	1175	1908.75	Off	0.03	0.523	23.96	25.00	1.271	0.665	/
		Left Edge	10	1175	1908.75	Off	0.05	0.068	23.96	25.00	1.271	0.086	/
		Right Edge	10	1175	1908.75	Off	0.08	0.394	23.96	25.00	1.271	0.501	/
		Bottom Edge	10	1175	1908.75	Off	0.09	0.287	23.96	25.00	1.271	0.365	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.5 WCDMA Band 2

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Reduction	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.6	RMC	Left Cheek	0	9538	1907.60	Level1	0.02	0.397	16.62	17.50	1.225	0.486	/
		Left Tilt	0	9538	1907.60	Level1	-0.03	0.331	16.62	17.50	1.225	0.405	/
		Right Cheek	0	9538	1907.60	Level1	0.01	0.651	16.62	17.50	1.225	**0.797**	15
		Right Tilt	0	9538	1907.60	Level1	0.11	0.621	16.62	17.50	1.225	0.760	/
Ant.1	RMC	Left Cheek	0	9538	1907.60	Level1	0.14	0.192	20.95	22.50	1.429	0.274	/
		Left Tilt	0	9538	1907.60	Level1	0.11	0.133	20.95	22.50	1.429	0.190	/
		Right Cheek	0	9538	1907.60	Level1	0.06	0.134	20.95	22.50	1.429	0.191	/
		Right Tilt	0	9538	1907.60	Level1	0.09	0.091	20.95	22.50	1.429	0.130	/
Body-worn Accessory													
Ant.6	RMC	Front Side	15	9538	1907.60	Off	0.03	0.312	22.65	23.50	1.216	0.379	/
		Back Side	15	9538	1907.60	Off	0.06	0.323	22.65	23.50	1.216	0.393	/
Ant.6	RMC	Front Side	15	9538	1907.60	Level2	0.03	0.084	16.62	17.50	1.225	0.103	/
		Back Side	15	9538	1907.60	Level2	0.05	0.086	16.62	17.50	1.225	0.105	/
Ant.1	RMC	Front Side	15	9538	1907.60	Off	0.11	0.421	23.05	23.50	1.109	**0.467**	16
		Back Side	15	9538	1907.60	Off	0.13	0.416	23.05	23.50	1.109	0.461	/
Ant.1	RMC	Front Side	15	9538	1907.60	Level2	-0.07	0.268	20.95	22.50	1.429	0.383	/
		Back Side	15	9538	1907.60	Level2	0.04	0.264	20.95	22.50	1.429	0.377	/
Hotspot													
Ant.6	RMC	Front Side	10	9538	1907.60	Level2	0.02	0.143	16.62	17.50	1.225	0.175	/
		Back Side	10	9538	1907.60	Level2	0.14	0.142	16.62	17.50	1.225	0.174	/
		Left Edge	10	9538	1907.60	Level2	0.13	0.018	16.62	17.50	1.225	0.022	/
		Right Edge	10	9538	1907.60	Level2	0.09	0.102	16.62	17.50	1.225	0.125	/
		Top Edge	10	9538	1907.60	Level2	0.11	0.062	16.62	17.50	1.225	0.076	/
Ant.1	RMC	Front Side	10	9538	1907.60	Level2	0.02	0.621	20.95	22.50	1.429	0.887	/
			10	9262	1852.40	Level2	0.01	0.572	20.93	22.50	1.435	0.821	/
			10	9400	1880.00	Level2	-0.02	0.633	20.91	22.50	1.442	**0.913**	17
		Back Side	10	9538	1907.60	Level2	-0.15	0.557	20.95	22.50	1.429	0.796	/
		Left Edge	10	9538	1907.60	Level2	0.13	0.081	20.95	22.50	1.429	0.116	/
		Right Edge	10	9538	1907.60	Level2	0.08	0.464	20.95	22.50	1.429	0.663	/
		Bottom Edge	10	9538	1907.60	Level2	0.09	0.348	20.95	22.50	1.429	0.497	/

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

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Reduction	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-Sensor off													
Ant.6	RMC	Front Side	4	9538	1907.60	Off	-0.07	0.796	22.65	23.50	1.216	0.968	/
		Back Side	4	9538	1907.60	Off	-0.07	0.839	22.65	23.50	1.216	**1.020**	18
		Left Edge	4	9538	1907.60	Off	-0.05	0.039	22.65	23.50	1.216	0.047	/
		Right Edge	4	9538	1907.60	Off	-0.14	0.536	22.65	23.50	1.216	0.652	/
		Top Edge	4	9538	1907.60	Off	-0.03	0.321	22.65	23.50	1.216	0.390	/
Ant.1	RMC	Front Side	4	9538	1907.60	Off	0.07	0.223	23.05	23.50	1.109	0.247	/
		Back Side	4	9538	1907.60	Off	0.01	0.223	23.05	23.50	1.109	0.247	/
		Left Edge	4	9538	1907.60	Off	0.11	0.025	23.05	23.50	1.109	0.028	/
		Right Edge	4	9538	1907.60	Off	0.03	0.101	23.05	23.50	1.109	0.112	/
		Bottom Edge	4	9538	1907.60	Off	-0.01	0.194	23.05	23.50	1.109	0.215	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.6 WCDMA Band 4

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Reduction	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.6	RMC	Left Cheek	0	1513	1752.60	Level1	0.04	0.397	15.87	16.50	1.156	0.459	/
		Left Tilt	0	1513	1752.60	Level1	0.11	0.303	15.87	16.50	1.156	0.350	/
		Right Cheek	0	1513	1752.60	Level1	-0.16	0.578	15.87	16.50	1.156	**0.668**	19
		Right Tilt	0	1513	1752.60	Level1	-0.03	0.416	15.87	16.50	1.156	0.481	/
Ant.1	RMC	Left Cheek	0	1513	1752.60	Off	0.05	0.123	23.32	23.50	1.042	0.128	/
		Left Tilt	0	1513	1752.60	Off	0.08	0.074	23.32	23.50	1.042	0.077	/
		Right Cheek	0	1513	1752.60	Off	0.16	0.090	23.32	23.50	1.042	0.094	/
		Right Tilt	0	1513	1752.60	Off	0.13	0.061	23.32	23.50	1.042	0.064	/
Body-worn Accessory													
Ant.6	RMC	Front Side	15	1513	1752.60	Off	0.02	0.229	22.98	23.50	1.127	0.258	/
		Back Side	15	1513	1752.60	Off	0.03	0.235	22.98	23.50	1.127	0.265	/
Ant.6	RMC	Front Side	15	1513	1752.60	Level2	0.05	0.067	15.87	16.50	1.156	0.077	/
		Back Side	15	1513	1752.60	Level2	0.08	0.068	15.87	16.50	1.156	0.079	/
Ant.1	RMC	Front Side	15	1513	1752.60	Off	-0.11	0.256	23.32	23.50	1.042	**0.267**	20
		Back Side	15	1513	1752.60	Off	0.13	0.232	23.32	23.50	1.042	0.242	/
Hotspot													
Ant.6	RMC	Front Side	10	1513	1752.60	Level2	0.11	0.105	15.87	16.50	1.156	0.121	/
		Back Side	10	1513	1752.60	Level2	0.06	0.106	15.87	16.50	1.156	0.123	/
		Left Edge	10	1513	1752.60	Level2	0.11	0.012	15.87	16.50	1.156	0.014	/
		Right Edge	10	1513	1752.60	Level2	-0.09	0.081	15.87	16.50	1.156	0.094	/
		Top Edge	10	1513	1752.60	Level2	0.02	0.058	15.87	16.50	1.156	0.067	/
Ant.1	RMC	Front Side	10	1513	1752.60	Off	-0.04	0.467	23.32	23.50	1.042	**0.487**	21
		Back Side	10	1513	1752.60	Off	0.03	0.446	23.32	23.50	1.042	0.465	/
		Left Edge	10	1513	1752.60	Off	0.06	0.057	23.32	23.50	1.042	0.059	/
		Right Edge	10	1513	1752.60	Off	0.05	0.312	23.32	23.50	1.042	0.325	/
		Bottom Edge	10	1513	1752.60	Off	0.08	0.305	23.32	23.50	1.042	0.318	/

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

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Reduction	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-Sensor off													
Ant.6	RMC	Front Side	4	1513	1752.60	Off	0.09	0.711	22.98	23.50	1.127	0.801	/
		Back Side	4	1513	1752.60	Off	0.04	0.723	22.98	23.50	1.127	**0.815**	22
		Left Edge	4	1513	1752.60	Off	-0.19	0.039	22.98	23.50	1.127	0.044	/
		Right Edge	4	1513	1752.60	Off	-0.01	0.430	22.98	23.50	1.127	0.485	/
		Top Edge	4	1513	1752.60	Off	-0.19	0.301	22.98	23.50	1.127	0.339	/

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

11.7WCDMA Band 5

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Reduction	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.6	RMC	Left Cheek	0	4233	846.60	Level1	0.01	0.443	18.26	19.50	1.330	0.589	/
		Left Tilt	0	4233	846.60	Level1	0.03	0.370	18.26	19.50	1.330	0.492	/
		Right Cheek	0	4233	846.60	Level1	-0.19	0.607	18.26	19.50	1.330	**0.808**	23
			10	4132	826.40	Level1	0.05	0.581	18.09	19.50	1.384	0.804	/
			10	4183	836.60	Level1	0.07	0.578	18.10	19.50	1.380	0.798	/
		Right Tilt	0	4233	846.60	Level1	-0.11	0.550	18.26	19.50	1.330	0.732	/
Ant.1	RMC	Left Cheek	0	4233	846.60	Off	0.15	0.176	23.66	24.50	1.213	0.214	/
		Left Tilt	0	4233	846.60	Off	0.09	0.090	23.66	24.50	1.213	0.109	/
		Right Cheek	0	4233	846.60	Off	-0.03	0.107	23.66	24.50	1.213	0.130	/
		Right Tilt	0	4233	846.60	Off	0.01	0.071	23.66	24.50	1.213	0.086	/
Body-worn Accessory													
Ant.6	RMC	Front Side	15	4233	846.60	Off	0.01	0.232	23.41	24.50	1.285	**0.298**	24
		Back Side	15	4233	846.60	Off	0.02	0.221	23.41	24.50	1.285	0.284	/
Ant.6	RMC	Front Side	15	4233	846.60	Level2	0.11	0.073	18.26	19.50	1.330	0.097	/
		Back Side	15	4233	846.60	Level2	0.06	0.068	18.26	19.50	1.330	0.090	/
Ant.1	RMC	Front Side	15	4233	846.60	Off	-0.02	0.200	23.66	24.50	1.213	0.243	/
		Back Side	15	4233	846.60	Off	0.08	0.217	23.66	24.50	1.213	0.263	/
Hotspot													
Ant.6	RMC	Front Side	10	4233	846.60	Level2	0.03	0.148	18.26	19.50	1.330	0.197	/
		Back Side	10	4233	846.60	Level2	-0.14	0.139	18.26	19.50	1.330	0.185	/
		Left Edge	10	4233	846.60	Level2	-0.06	0.012	18.26	19.50	1.330	0.016	/
		Right Edge	10	4233	846.60	Level2	0.03	0.058	18.26	19.50	1.330	0.077	/
		Top Edge	10	4233	846.60	Level2	0.09	0.131	18.26	19.50	1.330	0.174	/
Ant.1	RMC	Front Side	10	4233	846.60	Off	0.01	0.382	23.66	24.50	1.213	0.464	/
		Back Side	10	4233	846.60	Off	0.02	0.411	23.66	24.50	1.213	**0.499**	25
		Left Edge	10	4233	846.60	Off	0.08	0.060	23.66	24.50	1.213	0.073	/
		Right Edge	10	4233	846.60	Off	0.11	0.171	23.66	24.50	1.213	0.207	/
		Bottom Edge	10	4233	846.60	Off	0.16	0.403	23.66	24.50	1.213	0.489	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Reduction	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-Sensor off													
Ant.6	RMC	Front Side	4	4233	846.60	Off	0.03	0.611	23.41	24.50	1.285	**0.785**	26
		Back Side	4	4233	846.60	Off	0.00	0.538	23.41	24.50	1.285	0.691	/
		Left Edge	4	4233	846.60	Off	0.13	0.043	23.41	24.50	1.285	0.055	/
		Right Edge	4	4233	846.60	Off	0.19	0.224	23.41	24.50	1.285	0.288	/
		Top Edge	4	4233	846.60	Off	-0.12	0.410	23.41	24.50	1.285	0.527	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.8LTE Band 2 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	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.6	QPSK	Left Cheek	0	18900	1880	1	Mid	Level1	0.06	0.231	14.61	15.50	1.227	0.284	/
			0	18900	1880	50	Mid	Level1	0.01	0.210	14.61	15.50	1.227	0.258	/
		Left Tilt	0	18900	1880	1	Mid	Level1	0.03	0.192	14.61	15.50	1.227	0.236	/
			0	18900	1880	50	Mid	Level1	-0.11	0.178	14.61	15.50	1.227	0.218	/
		Right Cheek	0	18900	1880	1	Mid	Level1	-0.12	0.460	14.61	15.50	1.227	**0.565**	27
			0	18900	1880	50	Mid	Level1	0.03	0.402	14.61	15.50	1.227	0.493	/
		Right Tilt	0	18900	1880	1	Mid	Level1	-0.04	0.353	14.61	15.50	1.227	0.433	/
			0	18900	1880	50	Mid	Level1	0.01	0.332	14.61	15.50	1.227	0.408	/
Ant.1	QPSK	Left Cheek	0	18900	1880	1	Low	Level1	0.14	0.128	20.81	21.50	1.172	0.150	/
			0	18900	1880	50	High	Level1	0.02	0.122	20.96	21.50	1.132	0.138	/
		Left Tilt	0	18900	1880	1	Low	Level1	0.03	0.083	20.81	21.50	1.172	0.097	/
			0	18900	1880	50	High	Level1	0.09	0.078	20.96	21.50	1.132	0.088	/
		Right Cheek	0	18900	1880	1	Low	Level1	-0.12	0.085	20.81	21.50	1.172	0.100	/
			0	18900	1880	50	High	Level1	0.04	0.077	20.96	21.50	1.132	0.087	/
		Right Tilt	0	18900	1880	1	Low	Level1	0.03	0.061	20.81	21.50	1.172	0.072	/
			0	18900	1880	50	High	Level1	0.01	0.060	20.96	21.50	1.132	0.068	/
Body-worn Accessory															
Ant.6	QPSK	Front Side	15	18900	1880	1	High	Off	0.02	0.274	21.97	23.50	1.422	0.390	/
			15	18900	1880	50	High	Off	0.03	0.244	21.05	22.50	1.396	0.341	/
		Back Side	15	18900	1880	1	High	Off	-0.11	0.298	21.97	23.50	1.422	0.424	/
			15	18900	1880	50	High	Off	0.06	0.253	21.05	22.50	1.396	0.353	/
Ant.6	QPSK	Front Side	15	18900	1880	1	Mid	Level2	-0.13	0.047	14.61	15.50	1.227	0.058	/
			15	18900	1880	50	Mid	Level2	0.15	0.045	14.61	15.50	1.227	0.055	/
		Back Side	15	18900	1880	1	Mid	Level2	-0.11	0.059	14.61	15.50	1.227	0.073	/
			15	18900	1880	50	Mid	Level2	0.02	0.051	14.61	15.50	1.227	0.063	/
Ant.1	QPSK	Front Side	15	18900	1880	1	Low	Off	0.04	0.413	22.50	23.50	1.259	**0.520**	28
			15	18900	1880	50	High	Off	0.00	0.367	21.61	22.50	1.227	0.450	/
		Back Side	15	18900	1880	1	Low	Off	0.01	0.405	22.50	23.50	1.259	0.510	/
			15	18900	1880	50	High	Off	0.09	0.390	21.61	22.50	1.227	0.479	/
Ant.1	QPSK	Front Side	15	18900	1880	1	Low	Level2	0.07	0.268	20.81	21.50	1.172	0.314	/
			15	18900	1880	50	High	Level2	0.04	0.254	20.96	21.50	1.132	0.288	/
		Back Side	15	18900	1880	1	Low	Level2	0.05	0.255	20.81	21.50	1.172	0.299	/
			15	18900	1880	50	High	Level2	0.03	0.237	20.96	21.50	1.132	0.268	/
Hotspot															
Ant.6	QPSK	Front Side	10	18900	1880	1	Mid	Level2	0.02	0.083	14.61	15.50	1.227	0.102	/
			10	18900	1880	50	Mid	Level2	0.01	0.079	14.61	15.50	1.227	0.097	/
		Back Side	10	18900	1880	1	Mid	Level2	-0.15	0.087	14.61	15.50	1.227	0.107	/
			10	18900	1880	50	Mid	Level2	0.16	0.081	14.61	15.50	1.227	0.099	/
		Left Edge	10	18900	1880	1	Mid	Level2	0.11	0.012	14.61	15.50	1.227	0.015	/
			10	18900	1880	50	Mid	Level2	0.08	0.010	14.61	15.50	1.227	0.012	/

		Right Edge	10	18900	1880	1	Mid	Level2	0.09	0.056	14.61	15.50	1.227	0.069	/
			10	18900	1880	50	Mid	Level2	0.03	0.055	14.61	15.50	1.227	0.068	/
		Top Edge	10	18900	1880	1	Mid	Level2	0.01	0.038	14.61	15.50	1.227	0.047	/
			10	18900	1880	50	Mid	Level2	0.04	0.036	14.61	15.50	1.227	0.044	/
Ant.1	QPSK	Front Side	10	18900	1880	1	Low	Level2	0.13	0.422	20.81	21.50	1.172	**0.495**	29
			10	18900	1880	50	High	Level2	-0.06	0.411	20.96	21.50	1.132	0.465	/
		Back Side	10	18900	1880	1	Low	Level2	0.02	0.406	20.81	21.50	1.172	0.476	/
			10	18900	1880	50	High	Level2	0.08	0.368	20.96	21.50	1.132	0.417	/
		Left Edge	10	18900	1880	1	Low	Level2	-0.19	0.057	20.81	21.50	1.172	0.067	/
			10	18900	1880	50	High	Level2	0.11	0.053	20.96	21.50	1.132	0.060	/
		Right Edge	10	18900	1880	1	Low	Level2	0.07	0.318	20.81	21.50	1.172	0.373	/
			10	18900	1880	50	High	Level2	0.01	0.296	20.96	21.50	1.132	0.335	/
		Bottom Edge	10	18900	1880	1	Low	Level2	0.03	0.263	20.81	21.50	1.172	0.308	/
			10	18900	1880	50	High	Level2	0.08	0.250	20.96	21.50	1.132	0.283	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-Sensor off															
Ant.6	QPSK	Front Side	4	18900	1880	1	High	Off	-0.12	0.651	21.97	23.50	1.422	0.926	/
			4	18900	1880	50	High	Off	-0.02	0.581	21.05	22.50	1.396	0.811	/
		Back Side	4	18900	1880	1	High	Off	0.06	0.679	21.97	23.50	1.422	**0.966**	30
			4	18900	1880	50	High	Off	0.13	0.610	21.05	22.50	1.396	0.852	/
		Left Edge	4	18900	1880	1	High	Off	0.07	0.037	21.97	23.50	1.422	0.053	/
			4	18900	1880	50	High	Off	-0.19	0.028	21.05	22.50	1.396	0.039	/
		Right Edge	4	18900	1880	1	High	Off	-0.13	0.505	21.97	23.50	1.422	0.718	/
			4	18900	1880	50	High	Off	0.00	0.400	21.05	22.50	1.396	0.559	/
		Top Edge	4	18900	1880	1	High	Off	0.14	0.308	21.97	23.50	1.422	0.438	/
			4	18900	1880	50	High	Off	0.06	0.245	21.05	22.50	1.396	0.342	/
Ant.1	QPSK	Front Side	4	18900	1880	1	Low	Off	0.03	0.208	22.50	23.50	1.259	0.262	/
			4	18900	1880	50	High	Off	0.02	0.167	21.61	22.50	1.227	0.205	/
		Back Side	4	18900	1880	1	Low	Off	-0.02	0.210	22.50	23.50	1.259	0.264	/
			4	18900	1880	50	High	Off	0.15	0.167	21.61	22.50	1.227	0.205	/
		Left Edge	4	18900	1880	1	Low	Off	0.18	0.028	22.50	23.50	1.259	0.035	/
			4	18900	1880	50	High	Off	0.07	0.025	21.61	22.50	1.227	0.031	/
		Right Edge	4	18900	1880	1	Low	Off	0.10	0.095	22.50	23.50	1.259	0.120	/
			4	18900	1880	50	High	Off	0.19	0.076	21.61	22.50	1.227	0.093	/
		Bottom Edge	4	18900	1880	1	Low	Off	-0.04	0.190	22.50	23.50	1.259	0.239	/
			4	18900	1880	50	High	Off	-0.16	0.151	21.61	22.50	1.227	0.185	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.9 LTE Band 4 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	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.6	QPSK	Left Cheek	0	20175	1732.5	1	Mid	Level1	0.01	0.333	15.18	16.50	1.355	0.451	/
			0	20175	1732.5	50	Mid	Level1	0.15	0.310	15.18	16.50	1.355	0.420	/
		Left Tilt	0	20175	1732.5	1	Mid	Level1	0.07	0.267	15.18	16.50	1.355	0.362	/
			0	20175	1732.5	50	Mid	Level1	-0.13	0.255	15.18	16.50	1.355	0.346	/
		Right Cheek	0	20175	1732.5	1	Mid	Level1	-0.04	0.461	15.18	16.50	1.355	**0.625**	31
			0	20175	1732.5	50	Mid	Level1	0.01	0.450	15.18	16.50	1.355	0.610	/
		Right Tilt	0	20175	1732.5	1	Mid	Level1	0.14	0.371	15.18	16.50	1.355	0.503	/
			0	20175	1732.5	50	Mid	Level1	0.11	0.361	15.18	16.50	1.355	0.489	/
Ant.1	QPSK	Left Cheek	0	20175	1732.5	1	High	Off	0.13	0.116	22.76	23.50	1.186	0.138	/
			0	20175	1732.5	50	Mid	Off	0.06	0.111	21.75	22.50	1.189	0.132	/
		Left Tilt	0	20175	1732.5	1	High	Off	0.03	0.067	22.76	23.50	1.186	0.079	/
			0	20175	1732.5	50	Mid	Off	0.08	0.063	21.75	22.50	1.189	0.075	/
		Right Cheek	0	20175	1732.5	1	High	Off	0.07	0.087	22.76	23.50	1.186	0.103	/
			0	20175	1732.5	50	Mid	Off	0.02	0.080	21.75	22.50	1.189	0.095	/
		Right Tilt	0	20175	1732.5	1	High	Off	0.01	0.046	22.76	23.50	1.186	0.055	/
			0	20175	1732.5	50	Mid	Off	0.09	0.045	21.75	22.50	1.189	0.053	/
Body-worn Accessory															
Ant.6	QPSK	Front Side	15	20175	1732.5	1	High	Off	-0.18	0.229	22.15	23.50	1.365	**0.312**	32
			15	20175	1732.5	50	Mid	Off	0.02	0.185	21.28	23.50	1.667	0.308	/
		Back Side	15	20175	1732.5	1	High	Off	0.04	0.218	22.15	23.50	1.365	0.297	/
			15	20175	1732.5	50	Mid	Off	-0.16	0.182	21.28	23.50	1.667	0.303	/
Ant.6	QPSK	Front Side	15	20175	1732.5	1	Mid	Level2	-0.18	0.045	15.18	16.50	1.355	0.061	/
			15	20175	1732.5	50	Mid	Level2	0.11	0.038	15.18	16.50	1.355	0.051	/
		Back Side	15	20175	1732.5	1	Mid	Level2	0.15	0.043	15.18	16.50	1.355	0.058	/
			15	20175	1732.5	50	Mid	Level2	0.16	0.036	15.18	16.50	1.355	0.049	/
Ant.1	QPSK	Front Side	15	20175	1732.5	1	High	Off	0.07	0.212	22.76	23.50	1.186	0.251	/
			15	20175	1732.5	50	Mid	Off	0.03	0.198	21.75	22.50	1.189	0.235	/
		Back Side	15	20175	1732.5	1	High	Off	0.02	0.201	22.76	23.50	1.186	0.238	/
			15	20175	1732.5	50	Mid	Off	0.09	0.183	21.75	22.50	1.189	0.217	/
Hotspot															
Ant.6	QPSK	Front Side	10	20175	1732.5	1	Mid	Level2	0.02	0.087	15.18	16.50	1.355	0.118	/
			10	20175	1732.5	50	Mid	Level2	0.03	0.083	15.18	16.50	1.355	0.112	/
		Back Side	10	20175	1732.5	1	Mid	Level2	-0.11	0.089	15.18	16.50	1.355	0.121	/
			10	20175	1732.5	50	Mid	Level2	0.15	0.084	15.18	16.50	1.355	0.114	/
		Left Edge	10	20175	1732.5	1	Mid	Level2	0.02	0.011	15.18	16.50	1.355	0.015	/
			10	20175	1732.5	50	Mid	Level2	0.06	0.009	15.18	16.50	1.355	0.012	/
		Right Edge	10	20175	1732.5	1	Mid	Level2	0.07	0.066	15.18	16.50	1.355	0.089	/
			10	20175	1732.5	50	Mid	Level2	0.09	0.065	15.18	16.50	1.355	0.088	/
		Top Edge	10	20175	1732.5	1	Mid	Level2	0.16	0.053	15.18	16.50	1.355	0.072	/
			10	20175	1732.5	50	Mid	Level2	-0.07	0.051	15.18	16.50	1.355	0.069	/

Ant.1	QPSK	Front Side	10	20175	1732.5	1	High	Off	0.07	0.454	22.76	23.50	1.186	**0.538**	33
			10	20175	1732.5	50	Mid	Off	0.05	0.382	21.75	22.50	1.189	0.454	/
		Back Side	10	20175	1732.5	1	High	Off	0.07	0.390	22.76	23.50	1.186	0.462	/
			10	20175	1732.5	50	Mid	Off	0.10	0.317	21.75	22.50	1.189	0.377	/
		Left Edge	10	20175	1732.5	1	High	Off	0.09	0.044	22.76	23.50	1.186	0.052	/
			10	20175	1732.5	50	Mid	Off	0.00	0.035	21.75	22.50	1.189	0.042	/
		Right Edge	10	20175	1732.5	1	High	Off	-0.06	0.247	22.76	23.50	1.186	0.293	/
			10	20175	1732.5	50	Mid	Off	0.13	0.194	21.75	22.50	1.189	0.231	/
		Bottom Edge	10	20175	1732.5	1	High	Off	0.07	0.304	22.76	23.50	1.186	0.360	/
			10	20175	1732.5	50	Mid	Off	0.11	0.246	21.75	22.50	1.189	0.292	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-Sensor off															
Ant.6	QPSK	Front Side	4	20175	1732.5	1	High	Off	-0.06	0.720	22.15	23.50	1.365	0.982	/
			4	20175	1732.5	50	Mid	Off	-0.19	0.579	21.28	23.50	1.667	0.965	/
		Back Side	4	20175	1732.5	1	High	Off	0.02	0.731	22.15	23.50	1.365	**0.998**	34
			4	20175	1732.5	50	Mid	Off	-0.02	0.595	21.28	23.50	1.667	0.992	/
		Left Edge	4	20175	1732.5	1	High	Off	0.17	0.037	22.15	23.50	1.365	0.050	/
			4	20175	1732.5	50	Mid	Off	0.02	0.031	21.28	23.50	1.667	0.052	/
		Right Edge	4	20175	1732.5	1	High	Off	0.14	0.408	22.15	23.50	1.365	0.557	/
			4	20175	1732.5	50	Mid	Off	0.17	0.334	21.28	23.50	1.667	0.557	/
		Top Edge	4	20175	1732.5	1	High	Off	0.08	0.284	22.15	23.50	1.365	0.388	/
			4	20175	1732.5	50	Mid	Off	-0.15	0.230	21.28	23.50	1.667	0.383	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.10 LTE Band 5 (10MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	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.6	QPSK	Left Cheek	0	20600	844	1	High	Level1	0.03	0.336	17.05	18.00	1.245	0.418	/
			0	20600	844	25	High	Level1	0.01	0.320	17.10	18.00	1.230	0.394	/
		Left Tilt	0	20600	844	1	High	Level1	-0.02	0.271	17.05	18.00	1.245	0.337	/
			0	20600	844	25	High	Level1	0.05	0.261	17.10	18.00	1.230	0.321	/
		Right Cheek	0	20600	844	1	High	Level1	-0.06	0.498	17.05	18.00	1.245	**0.620**	35
			0	20600	844	25	High	Level1	0.14	0.483	17.10	18.00	1.230	0.594	/
		Right Tilt	0	20600	844	1	High	Level1	0.11	0.411	17.05	18.00	1.245	0.511	/
			0	20600	844	25	High	Level1	0.06	0.409	17.10	18.00	1.230	0.503	/
Ant.1	QPSK	Left Cheek	0	20600	844	1	Low	Level1	0.03	0.163	23.34	24.00	1.164	0.190	/
			0	20600	844	25	High	Off	-0.07	0.131	22.40	23.00	1.148	0.150	/
		Left Tilt	0	20600	844	1	Low	Off	0.04	0.091	23.34	24.00	1.164	0.106	/
			0	20600	844	25	High	Off	0.09	0.072	22.40	23.00	1.148	0.083	/
		Right Cheek	0	20600	844	1	Low	Off	0.02	0.103	23.34	24.00	1.164	0.120	/
			0	20600	844	25	High	Off	0.14	0.080	22.40	23.00	1.148	0.092	/
		Right Tilt	0	20600	844	1	Low	Off	0.11	0.074	23.34	24.00	1.164	0.086	/
			0	20600	844	25	High	Off	-0.03	0.061	22.40	23.00	1.148	0.070	/
Body-worn Accessory															
Ant.6	QPSK	Front Side	15	20600	844	1	Mid	Off	0.02	0.203	23.01	24.00	1.256	**0.255**	36
			15	20600	844	25	Low	Off	0.01	0.181	22.11	23.00	1.227	0.222	/
		Back Side	15	20600	844	1	Mid	Off	0.16	0.199	23.01	24.00	1.256	0.250	/
			15	20600	844	25	Low	Off	0.18	0.162	22.11	23.00	1.227	0.199	/
Ant.6	QPSK	Front Side	15	20600	844	1	High	Level2	-0.07	0.067	17.05	18.00	1.245	0.083	/
			15	20600	844	25	High	Level2	0.03	0.064	17.10	18.00	1.230	0.079	/
		Back Side	15	20600	844	1	High	Level2	0.14	0.049	17.05	18.00	1.245	0.061	/
			15	20600	844	25	High	Level2	0.01	0.045	17.10	18.00	1.230	0.055	/
Ant.1	QPSK	Front Side	15	20600	844	1	Low	Off	-0.06	0.136	23.34	24.00	1.164	0.158	/
			15	20600	844	25	High	Off	0.07	0.129	22.40	23.00	1.148	0.148	/
		Back Side	15	20600	844	1	Low	Off	-0.18	0.156	23.34	24.00	1.164	0.182	/
			15	20600	844	25	High	Off	0.02	0.148	22.40	23.00	1.148	0.170	/
Hotspot															
Ant.6	QPSK	Front Side	10	20600	844	1	High	Level2	0.01	0.135	17.05	18.00	1.245	0.168	/
			10	20600	844	25	High	Level2	0.03	0.133	17.10	18.00	1.230	0.164	/
		Back Side	10	20600	844	1	High	Level2	-0.09	0.125	17.05	18.00	1.245	0.156	/
			10	20600	844	25	High	Level2	0.16	0.124	17.10	18.00	1.230	0.153	/
		Left Edge	10	20600	844	1	High	Level2	0.12	0.000	17.05	18.00	1.245	0.000	/
			10	20600	844	25	High	Level2	0.11	0.000	17.10	18.00	1.230	0.000	/
		Right Edge	10	20600	844	1	High	Level2	-0.06	0.060	17.05	18.00	1.245	0.075	/
			10	20600	844	25	High	Level2	0.05	0.055	17.10	18.00	1.230	0.068	/
		Top Edge	10	20600	844	1	High	Level2	0.01	0.118	17.05	18.00	1.245	0.147	/
			10	20600	844	25	High	Level2	0.08	0.106	17.10	18.00	1.230	0.130	/

Ant.1	QPSK	Front Side	10	20600	844	1	Low	Off	0.19	0.271	23.34	24.00	1.164	0.315	/
			10	20600	844	25	High	Off	-0.11	0.259	22.40	23.00	1.148	0.297	/
		Back Side	10	20600	844	1	Low	Off	0.03	0.336	23.34	24.00	1.164	**0.391**	37
			10	20600	844	25	High	Off	0.01	0.292	22.40	23.00	1.148	0.335	/
		Left Edge	10	20600	844	1	Low	Off	0.06	0.046	23.34	24.00	1.164	0.054	/
			10	20600	844	25	High	Off	0.09	0.031	22.40	23.00	1.148	0.036	/
		Right Edge	10	20600	844	1	Low	Off	0.07	0.112	23.34	24.00	1.164	0.130	/
			10	20600	844	25	High	Off	0.01	0.107	22.40	23.00	1.148	0.123	/
		Bottom Edge	10	20600	844	1	Low	Off	0.04	0.287	23.34	24.00	1.164	0.334	/
			10	20600	844	25	High	Off	-0.15	0.285	22.40	23.00	1.148	0.327	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-Sensor off															
Ant.6	QPSK	Front Side	4	20600	844	1	Mid	Off	-0.02	0.574	23.01	24.00	1.256	**0.721**	38
			4	20600	844	25	Low	Off	-0.08	0.448	22.11	23.00	1.227	0.550	/
		Back Side	4	20600	844	1	Mid	Off	-0.06	0.497	17.05	18.00	1.245	0.619	/
			4	20600	844	25	Low	Off	0.03	0.391	17.10	18.00	1.230	0.481	/
		Left Edge	4	20600	844	1	Mid	Off	-0.12	0.043	17.05	18.00	1.245	0.054	/
			4	20600	844	25	Low	Off	-0.03	0.032	17.10	18.00	1.230	0.039	/
		Right Edge	4	20600	844	1	Mid	Off	0.12	0.203	17.05	18.00	1.245	0.253	/
			4	20600	844	25	Low	Off	0.12	0.160	17.10	18.00	1.230	0.197	/
		Top Edge	4	20600	844	1	Mid	Off	-0.12	0.383	17.05	18.00	1.245	0.477	/
			4	20600	844	25	Low	Off	-0.04	0.306	17.10	18.00	1.230	0.376	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.11 LTE Band 7 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	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.6	QPSK	Left Cheek	0	21100	2535	1	Mid	Level1	0.01	0.422	14.28	15.00	1.180	0.498	/
			0	21100	2535	50	Mid	Level1	0.03	0.384	14.07	15.00	1.239	0.476	/
		Left Tilt	0	21100	2535	1	Mid	Level1	-0.01	0.413	14.28	15.00	1.180	0.487	/
			0	21100	2535	50	Mid	Level1	0.12	0.373	14.07	15.00	1.239	0.462	/
		Right Cheek	0	21100	2535	1	Mid	Level1	0.09	0.416	14.28	15.00	1.180	0.491	/
			0	21100	2535	50	Mid	Level1	-0.15	0.381	14.07	15.00	1.239	0.472	/
		Right Tilt	0	21100	2535	1	Mid	Level1	-0.12	0.452	14.28	15.00	1.180	**0.534**	39
			0	21100	2535	50	High	Level1	0.04	0.393	14.07	15.00	1.239	0.487	/
Ant.1	QPSK	Left Cheek	0	21100	2535	1	Mid	Level1	0.09	0.048	19.85	20.00	1.035	0.050	/
			0	21100	2535	50	Mid	Level1	0.02	0.037	19.80	20.00	1.047	0.039	/
		Left Tilt	0	21100	2535	1	Mid	Level1	0.07	0.021	19.85	20.00	1.035	0.022	/
			0	21100	2535	50	Mid	Level1	-0.09	0.020	19.80	20.00	1.047	0.021	/
		Right Cheek	0	21100	2535	1	Mid	Level1	0.13	0.028	19.85	20.00	1.035	0.029	/
			0	21100	2535	50	Mid	Level1	0.07	0.021	19.80	20.00	1.047	0.022	/
		Right Tilt	0	21100	2535	1	Mid	Level1	-0.02	0.034	19.85	20.00	1.035	0.035	/
			0	21100	2535	50	Mid	Level1	0.01	0.029	19.80	20.00	1.047	0.030	/
Body-worn Accessory															
Ant.6	QPSK	Front Side	15	21100	2535	1	Mid	Off	0.06	0.464	22.45	23.50	1.274	0.591	/
			15	21100	2535	50	Mid	Off	0.01	0.373	21.44	22.50	1.276	0.476	/
		Back Side	15	21100	2535	1	Mid	Off	0.18	0.533	22.45	23.50	1.274	**0.679**	40
			15	21100	2535	50	Mid	Off	0.13	0.471	21.44	22.50	1.276	0.601	/
Ant.6	QPSK	Front Side	15	21100	2535	1	Mid	Level2	-0.09	0.065	14.28	15.00	1.180	0.077	/
			15	21100	2535	50	Mid	Level2	0.02	0.062	14.07	15.00	1.239	0.077	/
		Back Side	15	21100	2535	1	Mid	Level2	0.18	0.087	14.28	15.00	1.180	0.103	/
			15	21100	2535	50	Mid	Level2	0.06	0.080	14.07	15.00	1.239	0.099	/
Ant.1	QPSK	Front Side	15	21100	2535	1	Mid	Off	0.04	0.541	23.31	23.50	1.045	0.565	/
			15	21100	2535	50	Low	Off	0.03	0.447	22.42	22.50	1.019	0.455	/
		Back Side	15	21100	2535	1	Mid	Off	0.08	0.565	23.31	23.50	1.045	0.590	/
			15	21100	2535	50	Low	Off	-0.11	0.492	22.42	22.50	1.019	0.501	/
Ant.1	QPSK	Front Side	15	21100	2535	1	Mid	Level2	0.16	0.244	19.85	20.00	1.035	0.253	/
			15	21100	2535	50	Mid	Level2	0.01	0.229	19.80	20.00	1.047	0.240	/
		Back Side	15	21100	2535	1	Mid	Level2	0.19	0.259	19.85	20.00	1.035	0.268	/
			15	21100	2535	50	Mid	Level2	0.06	0.249	19.80	20.00	1.047	0.261	/
Hotspot															
Ant.6	QPSK	Front Side	10	21100	2535	1	Mid	Level2	0.04	0.122	14.28	15.00	1.180	0.144	/
			10	21100	2535	50	Mid	Level2	-0.11	0.100	14.07	15.00	1.239	0.124	/
		Back Side	10	21100	2535	1	Mid	Level2	0.09	0.141	14.28	15.00	1.180	0.166	/
			10	21100	2535	50	Mid	Level2	0.17	0.116	14.07	15.00	1.239	0.144	/
		Left Edge	10	21100	2535	1	Mid	Level2	0.05	0.013	14.28	15.00	1.180	0.015	/
			10	21100	2535	50	Mid	Level2	0.03	0.011	14.07	15.00	1.239	0.014	/

		Right Edge	10	21100	2535	1	Mid	Level2	0.09	0.030	14.28	15.00	1.180	0.035	/
			10	21100	2535	50	Mid	Level2	-0.04	0.024	14.07	15.00	1.239	0.030	/
		Top Edge	10	21100	2535	1	Mid	Level2	0.10	0.203	14.28	15.00	1.180	0.240	/
			10	21100	2535	50	Mid	Level2	0.06	0.174	14.07	15.00	1.239	0.216	/
Ant.1	QPSK	Front Side	10	21100	2535	1	Mid	Level2	0.09	0.461	19.85	20.00	1.035	0.477	/
			10	21100	2535	50	Mid	Level2	-0.14	0.453	19.80	20.00	1.047	0.474	/
		Back Side	10	21100	2535	1	Mid	Level2	0.02	0.482	19.85	20.00	1.035	0.499	/
			10	21100	2535	50	Mid	Level2	0.06	0.471	19.80	20.00	1.047	0.493	/
		Left Edge	10	21100	2535	1	Mid	Level2	-0.03	0.124	19.85	20.00	1.035	0.128	/
			10	21100	2535	50	Mid	Level2	0.02	0.112	19.80	20.00	1.047	0.117	/
		Right Edge	10	21100	2535	1	Mid	Level2	0.01	0.182	19.85	20.00	1.035	0.188	/
			10	21100	2535	50	Mid	Level2	0.09	0.173	19.80	20.00	1.047	0.181	/
		Bottom Edge	10	21100	2535	1	Mid	Level2	0.06	0.907	19.85	20.00	1.035	**0.939**	41
			10	20850	2510	1	High	Level2	-0.17	0.873	19.83	20.00	1.040	0.908	/
			10	21350	2560	1	Mid	Level2	-0.01	0.859	19.76	20.00	1.057	0.908	/
			10	21100	2535	50	Mid	Level2	0.17	0.822	19.80	20.00	1.047	0.861	/
			10	20850	2510	50	High	Level2	0.17	0.794	19.63	20.00	1.089	0.865	/
			10	21350	2560	50	High	Level2	-0.08	0.730	19.71	20.00	1.069	0.780	/
			10	21100	2535	100	Low	Level2	-0.14	0.745	19.87	20.00	1.030	0.768	/

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

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
ANT6	QPSK	Top Edge	0	21100	2535	1	Mid	Level3	-0.04	0.559	14.28	15.00	1.180	**0.660**	42
			0	21100	2535	50	High	Level3	0.13	0.521	14.07	15.00	1.239	0.645	/
P-Sensor off															
Ant.6	QPSK	Front Side	4	21100	2535	1	Mid	Off	0.19	0.931	22.45	23.50	1.274	1.186	/
			4	21100	2535	50	Mid	Off	0.08	0.742	21.44	22.50	1.276	0.947	/
		Back Side	4	21100	2535	1	Mid	Off	-0.07	1.050	22.45	23.50	1.274	1.337	/
			4	21100	2535	50	Mid	Off	-0.12	0.830	21.44	22.50	1.276	1.059	/
		Left Edge	4	21100	2535	1	Mid	Off	0.01	0.078	22.45	23.50	1.274	0.099	/
			4	21100	2535	50	Mid	Off	-0.15	0.063	21.44	22.50	1.276	0.080	/
		Right Edge	4	21100	2535	1	Mid	Off	-0.11	0.128	22.45	23.50	1.274	0.163	/
			4	21100	2535	50	Mid	Off	-0.03	0.105	21.44	22.50	1.276	0.134	/
		Top Edge	4	21100	2535	1	Mid	Off	0.13	1.060	22.45	23.50	1.274	**1.350**	43
			4	21100	2535	50	Mid	Off	-0.01	0.839	21.44	22.50	1.276	1.071	/
Ant.1	QPSK	Front Side	4	21100	2535	1	Mid	Off	0.16	0.132	23.31	23.50	1.045	0.138	/
			4	21100	2535	50	Low	Off	-0.05	0.106	22.42	22.50	1.019	0.108	/
		Back Side	4	21100	2535	1	Mid	Off	0.07	0.184	23.31	23.50	1.045	0.192	/
			4	21100	2535	50	Low	Off	-0.19	0.145	22.42	22.50	1.019	0.148	/
		Left Edge	4	21100	2535	1	Mid	Off	-0.07	0.062	23.31	23.50	1.045	0.065	/
			4	21100	2535	50	Low	Off	-0.06	0.043	22.42	22.50	1.019	0.044	/
		Right Edge	4	21100	2535	1	Mid	Off	-0.05	0.120	23.31	23.50	1.045	0.125	/
			4	21100	2535	50	Low	Off	0.01	0.095	22.42	22.50	1.019	0.097	/
		Bottom Edge	4	21100	2535	1	Mid	Off	0.02	0.376	23.31	23.50	1.045	0.393	/
			4	21100	2535	50	Low	Off	-0.07	0.296	22.42	22.50	1.019	0.302	/

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

11.12 LTE Band 12 (10MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	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.6	QPSK	Left Cheek	0	23060	704	1	Mid	Off	0.03	0.233	22.95	24.00	1.274	0.297	/
			0	23060	704	25	Mid	Off	0.01	0.177	22.11	23.00	1.227	0.217	/
		Left Tilt	0	23060	704	1	Mid	Off	-0.05	0.173	22.95	24.00	1.274	0.220	/
			0	23060	704	25	Mid	Off	0.06	0.129	22.11	23.00	1.227	0.158	/
		Right Cheek	0	23060	704	1	Mid	Off	0.17	0.252	22.95	24.00	1.274	**0.321**	44
			0	23060	704	25	Mid	Off	0.11	0.185	22.11	23.00	1.227	0.227	/
		Right Tilt	0	23060	704	1	Mid	Off	-0.15	0.196	22.95	24.00	1.274	0.250	/
			0	23060	704	25	Mid	Off	0.03	0.142	22.11	23.00	1.227	0.174	/
Ant.1	QPSK	Left Cheek	0	23060	704	1	Low	Off	-0.02	0.056	23.34	24.00	1.164	0.065	/
			0	23060	704	25	Low	Off	0.01	0.042	22.54	23.00	1.112	0.047	/
		Left Tilt	0	23060	704	1	Low	Off	0.07	0.045	23.34	24.00	1.164	0.052	/
			0	23060	704	25	Low	Off	0.06	0.032	22.54	23.00	1.112	0.036	/
		Right Cheek	0	23060	704	1	Low	Off	0.11	0.074	23.34	24.00	1.164	0.086	/
			0	23060	704	25	Low	Off	0.08	0.068	22.54	23.00	1.112	0.076	/
		Right Tilt	0	23060	704	1	Low	Off	0.14	0.063	23.34	24.00	1.164	0.073	/
			0	23060	704	25	Low	Off	0.03	0.059	22.54	23.00	1.112	0.066	/
Body-worn Accessory															
Ant.6	QPSK	Front Side	15	23060	704	1	Mid	Off	0.01	0.051	22.95	24.00	1.274	**0.065**	45
			15	23060	704	25	Mid	Off	0.06	0.048	22.11	23.00	1.227	0.059	/
		Back Side	15	23060	704	1	Mid	Off	0.02	0.023	22.95	24.00	1.274	0.029	/
			15	23060	704	25	Mid	Off	0.04	0.019	22.11	23.00	1.227	0.023	/
Ant.1	QPSK	Front Side	15	23060	704	1	Low	Off	0.08	0.022	23.34	24.00	1.164	0.026	/
			15	23060	704	25	Low	Off	0.09	0.028	22.54	23.00	1.112	0.031	/
		Back Side	15	23060	704	1	Low	Off	0.17	0.042	23.34	24.00	1.164	0.049	/
			15	23060	704	25	Low	Off	-0.11	0.034	22.54	23.00	1.112	0.038	/
Hotspot															
Ant.6	QPSK	Front Side	10	23060	704	1	Mid	Off	0.06	0.059	22.95	24.00	1.274	0.075	/
			10	23060	704	25	Mid	Off	0.03	0.044	22.11	23.00	1.227	0.054	/
		Back Side	10	23060	704	1	Mid	Off	0.11	0.051	22.95	24.00	1.274	0.065	/
			10	23060	704	25	Mid	Off	0.07	0.043	22.11	23.00	1.227	0.053	/
		Left Edge	10	23060	704	1	Mid	Off	0.04	0.023	22.95	24.00	1.274	0.029	/
			10	23060	704	25	Mid	Off	-0.15	0.021	22.11	23.00	1.227	0.026	/
		Right Edge	10	23060	704	1	Mid	Off	0.02	0.016	22.95	24.00	1.274	0.020	/
			10	23060	704	25	Mid	Off	0.16	0.011	22.11	23.00	1.227	0.014	/
		Top Edge	10	23060	704	1	Mid	Off	0.11	0.047	22.95	24.00	1.274	0.060	/
			10	23060	704	25	Mid	Off	-0.08	0.038	22.11	23.00	1.227	0.047	/
Ant.1	QPSK	Front Side	10	23060	704	1	Low	Off	0.17	0.075	23.34	24.00	1.164	0.087	/
			10	23060	704	25	Low	Off	0.02	0.064	22.54	23.00	1.112	0.071	/
		Back Side	10	23060	704	1	Low	Off	0.01	0.096	23.34	24.00	1.164	**0.111**	46
			10	23060	704	25	Low	Off	0.04	0.082	22.54	23.00	1.112	0.091	/

		Left Edge	10	23060	704	1	Low	Off	0.06	0.023	23.34	24.00	1.164	0.027	/
			10	23060	704	25	Low	Off	0.03	0.019	22.54	23.00	1.112	0.021	/
		Right Edge	10	23060	704	1	Low	Off	0.07	0.061	23.34	24.00	1.164	0.071	/
			10	23060	704	25	Low	Off	0.02	0.054	22.54	23.00	1.112	0.060	/
		Bottom Edge	10	23060	704	1	Low	Off	0.01	0.084	23.34	24.00	1.164	0.098	/
			10	23060	704	25	Low	Off	0.09	0.070	22.54	23.00	1.112	0.078	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.13 LTE Band 26 (15MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	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.6	QPSK	Left Cheek	0	26765	821.5	1	Mid	Level1	0.02	0.335	17.70	19.00	1.349	0.452	/
			0	26765	821.5	36	High	Level1	0.01	0.321	17.68	19.00	1.355	0.435	/
		Left Tilt	0	26765	821.5	1	Mid	Level1	-0.08	0.272	17.70	19.00	1.349	0.367	/
			0	26765	821.5	36	High	Level1	0.16	0.250	17.68	19.00	1.355	0.339	/
		Right Cheek	0	26765	821.5	1	Mid	Level1	-0.08	0.501	17.70	19.00	1.349	**0.676**	47
			0	26765	821.5	36	High	Level1	-0.17	0.462	17.68	19.00	1.355	0.626	/
		Right Tilt	0	26765	821.5	1	Mid	Level1	0.11	0.441	17.70	19.00	1.349	0.595	/
			0	26765	821.5	36	High	Level1	0.06	0.400	17.68	19.00	1.355	0.542	/
Ant.1	QPSK	Left Cheek	0	26765	821.5	1	Low	Off	0.03	0.095	23.14	24.00	1.219	0.116	/
			0	26765	821.5	36	High	Off	-0.08	0.074	22.19	23.00	1.205	0.089	/
		Left Tilt	0	26765	821.5	1	Low	Off	0.09	0.053	23.14	24.00	1.219	0.065	/
			0	26765	821.5	36	High	Off	0.11	0.042	22.19	23.00	1.205	0.051	/
		Right Cheek	0	26765	821.5	1	Low	Off	-0.14	0.051	23.14	24.00	1.219	0.062	/
			0	26765	821.5	36	High	Off	0.12	0.043	22.19	23.00	1.205	0.052	/
		Right Tilt	0	26765	821.5	1	Low	Off	0.03	0.039	23.14	24.00	1.219	0.048	/
			0	26765	821.5	36	High	Off	0.08	0.036	22.19	23.00	1.205	0.043	/
Body-worn Accessory															
Ant.6	QPSK	Front Side	15	26765	821.5	1	High	Off	0.04	0.163	22.79	24.00	1.321	**0.215**	48
			15	26765	821.5	36	Mid	Off	0.02	0.134	21.90	23.00	1.288	0.173	/
		Back Side	15	26765	821.5	1	High	Off	-0.13	0.150	22.79	24.00	1.321	0.198	/
			15	26765	821.5	36	Mid	Off	0.11	0.125	21.90	23.00	1.288	0.161	/
Ant.6	QPSK	Front Side	15	26765	821.5	1	Mid	Level2	0.04	0.051	17.70	19.00	1.349	0.069	/
			15	26765	821.5	36	High	Level2	-0.16	0.049	17.68	19.00	1.355	0.066	/
		Back Side	15	26765	821.5	1	Mid	Level2	0.11	0.047	17.70	19.00	1.349	0.063	/
			15	26765	821.5	36	High	Level2	0.05	0.045	17.68	19.00	1.355	0.061	/
Ant.1	QPSK	Front Side	15	26765	821.5	1	Low	Off	0.13	0.080	23.14	24.00	1.219	0.098	/
			15	26765	821.5	36	High	Off	0.02	0.074	22.19	23.00	1.205	0.089	/
		Back Side	15	26765	821.5	1	Low	Off	0.09	0.090	23.14	24.00	1.219	0.110	/
			15	26765	821.5	36	High	Off	0.01	0.084	22.19	23.00	1.205	0.101	/
Hotspot															
Ant.6	QPSK	Front Side	10	26765	821.5	1	Mid	Level2	-0.03	0.103	17.70	19.00	1.349	0.139	/
			10	26765	821.5	36	High	Level2	0.05	0.098	17.68	19.00	1.355	0.133	/
		Back Side	10	26765	821.5	1	Mid	Level2	0.02	0.095	17.70	19.00	1.349	0.128	/
			10	26765	821.5	36	High	Level2	0.09	0.094	17.68	19.00	1.355	0.127	/
		Left Edge	10	26765	821.5	1	Mid	Level2	-0.01	0.012	17.70	19.00	1.349	0.016	/
			10	26765	821.5	36	High	Level2	0.01	0.011	17.68	19.00	1.355	0.015	/
		Right Edge	10	26765	821.5	1	Mid	Level2	0.07	0.034	17.70	19.00	1.349	0.046	/
			10	26765	821.5	36	High	Level2	0.03	0.029	17.68	19.00	1.355	0.039	/
		Top Edge	10	26765	821.5	1	Mid	Level2	0.07	0.091	17.70	19.00	1.349	0.123	/
			10	26765	821.5	36	High	Level2	0.11	0.087	17.68	19.00	1.355	0.118	/

Ant.1	QPSK	Front Side	10	26765	821.5	1	Low	Off	0.15	0.166	23.14	24.00	1.219	0.202	/
			10	26765	821.5	36	High	Off	-0.07	0.151	22.19	23.00	1.205	0.182	/
		Back Side	10	26765	821.5	1	Low	Off	0.02	0.196	23.14	24.00	1.219	**0.239**	49
			10	26765	821.5	36	High	Off	0.04	0.182	22.19	23.00	1.205	0.219	/
		Left Edge	10	26765	821.5	1	Low	Off	-0.16	0.012	23.14	24.00	1.219	0.015	/
			10	26765	821.5	36	High	Off	0.13	0.014	22.19	23.00	1.205	0.017	/
		Right Edge	10	26765	821.5	1	Low	Off	0.02	0.081	23.14	24.00	1.219	0.099	/
			10	26765	821.5	36	High	Off	0.06	0.076	22.19	23.00	1.205	0.092	/
		Bottom Edge	10	26765	821.5	1	Low	Off	0.08	0.172	23.14	24.00	1.219	0.210	/
			10	26765	821.5	36	High	Off	-0.07	0.171	22.19	23.00	1.205	0.206	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-Sensor off															
Ant.6	QPSK	Front Side	4	26765	821.5	1	High	Off	0.02	0.549	22.79	24.00	1.321	**0.725**	50
			4	26765	821.5	36	Mid	Off	0.02	0.431	21.90	23.00	1.288	0.555	/
		Back Side	4	26765	821.5	1	High	Off	0.08	0.478	22.79	24.00	1.321	0.632	/
			4	26765	821.5	36	Mid	Off	0.05	0.373	21.90	23.00	1.288	0.481	/
		Left Edge	4	26765	821.5	1	High	Off	0.14	0.040	22.79	24.00	1.321	0.053	/
			4	26765	821.5	36	Mid	Off	0.11	0.030	21.90	23.00	1.288	0.039	/
		Right Edge	4	26765	821.5	1	High	Off	-0.18	0.196	22.79	24.00	1.321	0.259	/
			4	26765	821.5	36	Mid	Off	0.19	0.158	21.90	23.00	1.288	0.204	/
		Top Edge	4	26765	821.5	1	High	Off	-0.16	0.362	22.79	24.00	1.321	0.478	/
			4	26765	821.5	36	Mid	Off	0.06	0.295	21.90	23.00	1.288	0.380	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.14 LTE Band 66 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	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.6	QPSK	Left Cheek	0	132322	1745	1	Mid	Level1	0.02	0.099	15.28	16.50	1.324	0.131	/
			0	132322	1745	50	Mid	Level1	0.01	0.093	15.29	16.50	1.321	0.123	/
		Left Tilt	0	132322	1745	1	Mid	Level1	-0.11	0.097	15.28	16.50	1.324	0.128	/
			0	132322	1745	50	Mid	Level1	0.16	0.092	15.29	16.50	1.321	0.122	/
		Right Cheek	0	132322	1745	1	Mid	Level1	-0.01	0.212	15.28	16.50	1.324	**0.281**	51
			0	132322	1745	50	Mid	Level1	0.07	0.192	15.29	16.50	1.321	0.254	/
		Right Tilt	0	132322	1745	1	Mid	Level1	0.09	0.201	15.28	16.50	1.324	0.266	/
			0	132322	1745	50	Mid	Level1	0.07	0.191	15.29	16.50	1.321	0.252	/
Ant.1	QPSK	Left Cheek	0	132322	1745	1	Mid	Level1	-0.03	0.023	20.90	21.50	1.148	0.026	/
			0	132322	1745	50	Mid	Level1	0.05	0.021	20.78	21.50	1.180	0.025	/
		Left Tilt	0	132322	1745	1	Mid	Level1	0.15	0.012	20.90	21.50	1.148	0.014	/
			0	132322	1745	50	Mid	Level1	0.04	0.011	20.78	21.50	1.180	0.013	/
		Right Cheek	0	132322	1745	1	Mid	Level1	0.03	0.034	20.90	21.50	1.148	0.039	/
			0	132322	1745	50	Mid	Level1	0.07	0.031	20.78	21.50	1.180	0.037	/
		Right Tilt	0	132322	1745	1	Mid	Level1	0.03	0.019	20.90	21.50	1.148	0.022	/
			0	132322	1745	50	Mid	Level1	0.04	0.017	20.78	21.50	1.180	0.020	/
Body-worn Accessory															
Ant.6	QPSK	Front Side	15	132322	1745	1	Mid	Off	0.11	0.062	22.26	23.50	1.330	0.082	/
			15	132322	1745	50	Mid	Off	0.03	0.052	21.28	22.50	1.324	0.069	/
		Back Side	15	132322	1745	1	Mid	Off	0.16	0.065	22.26	23.50	1.330	0.086	/
			15	132322	1745	50	Mid	Off	0.01	0.053	21.28	22.50	1.324	0.070	/
Ant.6	QPSK	Front Side	15	132322	1745	1	Mid	Level2	0.12	0.012	15.28	16.50	1.324	0.016	/
			15	132322	1745	50	Mid	Level2	0.06	0.010	15.29	16.50	1.321	0.013	/
		Back Side	15	132322	1745	1	Mid	Level2	-0.09	0.012	15.28	16.50	1.324	0.016	/
			15	132322	1745	50	Mid	Level2	0.01	0.011	15.29	16.50	1.321	0.015	/
Ant.1	QPSK	Front Side	15	132322	1745	1	Mid	Off	0.11	0.109	22.77	23.50	1.183	**0.129**	52
			15	132322	1745	50	High	Off	-0.08	0.088	21.90	22.50	1.148	0.101	/
		Back Side	15	132322	1745	1	Mid	Off	0.05	0.105	22.77	23.50	1.183	0.124	/
			15	132322	1745	50	High	Off	0.10	0.099	21.90	22.50	1.148	0.114	/
Ant.1	QPSK	Front Side	15	132322	1745	1	Mid	Level2	0.03	0.068	20.90	21.50	1.148	0.078	/
			15	132322	1745	50	Mid	Level2	0.06	0.055	20.78	21.50	1.180	0.065	/
		Back Side	15	132322	1745	1	Mid	Level2	-0.06	0.066	20.90	21.50	1.148	0.076	/
			15	132322	1745	50	Mid	Level2	0.03	0.062	20.78	21.50	1.180	0.073	/
Hotspot															
Ant.6	QPSK	Front Side	10	132322	1745	1	Mid	Level2	0.02	0.031	15.28	16.50	1.324	0.041	/
			10	132322	1745	50	Mid	Level2	0.01	0.029	15.29	16.50	1.321	0.038	/
		Back Side	10	132322	1745	1	Mid	Level2	0.05	0.031	15.28	16.50	1.324	0.041	/
			10	132322	1745	50	Mid	Level2	-0.16	0.028	15.29	16.50	1.321	0.037	/
		Left Edge	10	132322	1745	1	Mid	Level2	0.11	0.011	15.28	16.50	1.324	0.015	/
			10	132322	1745	50	Mid	Level2	0.08	0.013	15.29	16.50	1.321	0.017	/

		Right Edge	10	132322	1745	1	Mid	Level2	0.09	0.008	15.28	16.50	1.324	0.011	/
			10	132322	1745	50	Mid	Level2	0.07	0.006	15.29	16.50	1.321	0.008	/
		Top Edge	10	132322	1745	1	Mid	Level2	0.14	0.040	15.28	16.50	1.324	0.053	/
			10	132322	1745	50	Mid	Level2	0.02	0.037	15.29	16.50	1.321	0.049	/
Ant.1	QPSK	Front Side	10	132322	1745	1	Mid	Level2	-0.02	0.126	20.90	21.50	1.148	0.145	/
			10	132322	1745	50	Mid	Level2	-0.11	0.121	20.78	21.50	1.180	0.143	/
		Back Side	10	132322	1745	1	Mid	Level2	0.13	0.112	20.90	21.50	1.148	0.129	/
			10	132322	1745	50	Mid	Level2	0.15	0.108	20.78	21.50	1.180	0.127	/
		Left Edge	10	132322	1745	1	Mid	Level2	-0.09	0.000	20.90	21.50	1.148	0.000	/
			10	132322	1745	50	Mid	Level2	0.02	0.000	20.78	21.50	1.180	0.000	/
		Right Edge	10	132322	1745	1	Mid	Level2	0.08	0.022	20.90	21.50	1.148	0.025	/
			10	132322	1745	50	Mid	Level2	0.03	0.024	20.78	21.50	1.180	0.028	/
		Bottom Edge	10	132322	1745	1	Mid	Level2	0.04	0.238	20.90	21.50	1.148	0.273	/
			10	132322	1745	50	Mid	Level2	-0.02	0.251	20.78	21.50	1.180	**0.296**	53
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-Sensor off															
Ant.6	QPSK	Front Side	4	132322	1745	1	Mid	Off	-0.04	0.690	22.26	23.50	1.330	0.918	/
			4	132322	1745	50	Mid	Off	0.07	0.554	21.28	22.50	1.324	0.734	/
		Back Side	4	132322	1745	1	Mid	Off	0.03	0.702	22.26	23.50	1.330	**0.934**	54
			4	132322	1745	50	Mid	Off	0.07	0.573	21.28	22.50	1.324	0.759	/
		Left Edge	4	132322	1745	1	Mid	Off	0.06	0.035	22.26	23.50	1.330	0.047	/
			4	132322	1745	50	Mid	Off	0.01	0.030	21.28	22.50	1.324	0.040	/
		Right Edge	4	132322	1745	1	Mid	Off	-0.14	0.391	22.26	23.50	1.330	0.520	/
			4	132322	1745	50	Mid	Off	-0.17	0.321	21.28	22.50	1.324	0.425	/
		Top Edge	4	132322	1745	1	Mid	Off	-0.08	0.272	22.26	23.50	1.330	0.362	/
			4	132322	1745	50	Mid	Off	-0.08	0.220	21.28	22.50	1.324	0.291	/
Ant.1	QPSK	Front Side	4	132322	1745	1	Mid	Off	-0.06	0.219	22.77	23.50	1.183	0.259	/
			4	132322	1745	50	High	Off	-0.05	0.177	21.90	22.50	1.148	0.203	/
		Back Side	4	132322	1745	1	Mid	Off	0.19	0.221	22.77	23.50	1.183	0.261	/
			4	132322	1745	50	High	Off	-0.13	0.178	21.90	22.50	1.148	0.204	/
		Left Edge	4	132322	1745	1	Mid	Off	-0.17	0.029	22.77	23.50	1.183	0.034	/
			4	132322	1745	50	High	Off	0.12	0.026	21.90	22.50	1.148	0.030	/
		Right Edge	4	132322	1745	1	Mid	Off	-0.11	0.100	22.77	23.50	1.183	0.118	/
			4	132322	1745	50	High	Off	0.01	0.081	21.90	22.50	1.148	0.093	/
		Bottom Edge	4	132322	1745	1	Mid	Off	0.17	0.200	22.77	23.50	1.183	0.237	/
			4	132322	1745	50	High	Off	0.07	0.163	21.90	22.50	1.148	0.187	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.15 LTE Band 38 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	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.6	QPSK	Left Cheek	0	38150	2610	1	Low	Level1	0.02	0.269	16.19	16.50	1.074	0.289	/
			0	38150	2610	50	Mid	Level1	0.01	0.245	16.10	16.50	1.096	0.269	/
		Left Tilt	0	38150	2610	1	Low	Level1	-0.05	0.273	16.19	16.50	1.074	0.293	/
			0	38150	2610	50	Mid	Level1	0.13	0.259	16.10	16.50	1.096	0.284	/
		Right Cheek	0	38150	2610	1	Low	Level1	0.11	0.269	16.19	16.50	1.074	0.289	/
			0	38150	2610	50	Mid	Level1	-0.06	0.241	16.10	16.50	1.096	0.264	/
		Right Tilt	0	38150	2610	1	Low	Level1	0.07	0.323	16.19	16.50	1.074	**0.347**	55
			0	38150	2610	50	Mid	Level1	0.02	0.310	16.10	16.50	1.096	0.340	/
Ant.1	QPSK	Left Cheek	0	37850	2580	1	Low	Level1	0.08	0.064	21.16	21.50	1.081	0.069	/
			0	37850	2580	50	Low	Level1	0.06	0.053	21.16	21.50	1.081	0.057	/
		Left Tilt	0	37850	2580	1	Low	Level1	0.09	0.031	21.16	21.50	1.081	0.034	/
			0	37850	2580	50	Low	Level1	0.14	0.024	21.16	21.50	1.081	0.026	/
		Right Cheek	0	37850	2580	1	Low	Level1	0.06	0.032	21.16	21.50	1.081	0.035	/
			0	37850	2580	50	Low	Level1	0.02	0.029	21.16	21.50	1.081	0.031	/
		Right Tilt	0	37850	2580	1	Low	Level1	-0.03	0.044	21.16	21.50	1.081	0.048	/
			0	37850	2580	50	Low	Level1	0.05	0.041	21.16	21.50	1.081	0.044	/
Body-worn Accessory															
Ant.6	QPSK	Front Side	15	38150	2610	1	Mid	Off	0.11	0.213	22.11	23.50	1.377	0.293	/
			15	38150	2610	50	Mid	Off	0.16	0.177	21.14	22.50	1.368	0.242	/
		Back Side	15	38150	2610	1	Mid	Off	-0.09	0.243	22.11	23.50	1.377	**0.335**	56
			15	38150	2610	50	Mid	Off	0.07	0.203	21.14	22.50	1.368	0.278	/
Ant.6	QPSK	Front Side	15	38150	2610	1	Low	Level2	0.05	0.042	16.19	16.50	1.074	0.045	/
			15	38150	2610	50	Mid	Level2	0.03	0.035	16.10	16.50	1.096	0.038	/
		Back Side	15	38150	2610	1	Low	Level2	0.02	0.048	16.19	16.50	1.074	0.052	/
			15	38150	2610	50	Mid	Level2	-0.06	0.041	16.10	16.50	1.096	0.045	/
Ant.1	QPSK	Front Side	15	37850	2580	1	Low	Off	0.04	0.251	23.11	23.50	1.094	0.275	/
			15	37850	2580	50	Low	Off	0.11	0.286	22.12	22.50	1.091	0.312	/
		Back Side	15	37850	2580	1	Low	Off	0.12	0.267	23.11	23.50	1.094	0.292	/
			15	37850	2580	50	Low	Off	0.07	0.288	22.12	22.50	1.091	0.314	/
Ant.1	QPSK	Front Side	15	37850	2580	1	Low	Level2	-0.14	0.159	21.16	21.50	1.081	0.172	/
			15	37850	2580	50	Low	Level2	-0.09	0.181	21.16	21.50	1.081	0.196	/
		Back Side	15	37850	2580	1	Low	Level2	0.05	0.169	21.16	21.50	1.081	0.183	/
			15	37850	2580	50	Low	Level2	0.08	0.191	21.16	21.50	1.081	0.207	/
Hotspot															
Ant.6	QPSK	Front Side	10	38150	2610	1	Low	Level2	0.01	0.081	16.19	16.50	1.074	0.087	/
			10	38150	2610	50	Mid	Level2	-0.08	0.077	16.10	16.50	1.096	0.084	/
		Back Side	10	38150	2610	1	Low	Level2	0.17	0.092	16.19	16.50	1.074	0.099	/
			10	38150	2610	50	Mid	Level2	-0.03	0.085	16.10	16.50	1.096	0.093	/
		Left Edge	10	38150	2610	1	Low	Level2	0.02	0.012	16.19	16.50	1.074	0.013	/
			10	38150	2610	50	Mid	Level2	0.08	0.011	16.10	16.50	1.096	0.012	/

		Right Edge	10	38150	2610	1	Low	Level2	0.07	0.022	16.19	16.50	1.074	0.024	/
			10	38150	2610	50	Mid	Level2	0.05	0.018	16.10	16.50	1.096	0.020	/
		Top Edge	10	38150	2610	1	Low	Level2	0.09	0.124	16.19	16.50	1.074	0.133	/
			10	38150	2610	50	Mid	Level2	-0.06	0.113	16.19	16.50	1.074	0.121	/
Ant.1	QPSK	Front Side	10	37850	2580	1	Low	Level2	0.02	0.295	21.16	21.50	1.081	0.319	/
			10	37850	2580	50	Low	Level2	0.08	0.309	21.16	21.50	1.081	0.334	/
		Back Side	10	37850	2580	1	Low	Level2	0.07	0.333	21.16	21.50	1.081	0.360	/
			10	37850	2580	50	Low	Level2	-0.03	0.349	21.16	21.50	1.081	0.377	/
		Left Edge	10	37850	2580	1	Low	Level2	0.11	0.060	21.16	21.50	1.081	0.065	/
			10	37850	2580	50	Low	Level2	0.13	0.063	21.16	21.50	1.081	0.068	/
		Right Edge	10	37850	2580	1	Low	Level2	-0.04	0.120	21.16	21.50	1.081	0.130	/
			10	37850	2580	50	Low	Level2	0.09	0.128	21.16	21.50	1.081	0.138	/
		Bottom Edge	10	37850	2580	1	Low	Level2	0.06	0.540	21.16	21.50	1.081	0.584	/
			10	37850	2580	50	Low	Level2	0.04	0.551	21.16	21.50	1.081	**0.596**	57
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.6	QPSK	Top Edge	0	38150	2610	1	Low	Level3	-0.18	0.341	16.19	16.50	1.074	**0.366**	58
			0	38150	2610	50	Mid	Level3	0.02	0.332	16.10	16.50	1.096	0.364	/
P-Sensor off															
Ant.6	QPSK	Front Side	4	38150	2610	1	Mid	Off	0.16	0.896	22.11	23.50	1.377	1.234	/
			4	38150	2610	50	Mid	Off	0.14	0.708	21.14	22.50	1.368	0.968	/
		Back Side	4	38150	2610	1	Mid	Off	0.04	0.987	22.11	23.50	1.377	1.359	/
			4	38150	2610	50	Mid	Off	0.00	0.775	21.14	22.50	1.368	1.060	/
		Left Edge	4	38150	2610	1	Mid	Off	-0.17	0.084	22.11	23.50	1.377	0.116	/
			4	38150	2610	50	Mid	Off	-0.19	0.066	21.14	22.50	1.368	0.090	/
		Right Edge	4	38150	2610	1	Mid	Off	-0.19	0.142	22.11	23.50	1.377	0.196	/
			4	38150	2610	50	Mid	Off	0.14	0.113	21.14	22.50	1.368	0.155	/
		Top Edge	4	38150	2610	1	Mid	Off	0.05	1.310	22.11	23.50	1.377	**1.804**	59
			4	38150	2610	50	Mid	Off	-0.12	0.975	21.14	22.50	1.368	1.334	/
Ant.1	QPSK	Front Side	4	37850	2580	1	Low	Off	0.15	0.165	23.11	23.50	1.094	0.181	/
			4	37850	2580	50	Low	Off	0.03	0.130	22.12	22.50	1.091	0.142	/
		Back Side	4	37850	2580	1	Low	Off	-0.06	0.206	23.11	23.50	1.094	0.225	/
			4	37850	2580	50	Low	Off	0.12	0.161	22.12	22.50	1.091	0.176	/
		Left Edge	4	37850	2580	1	Low	Off	0.07	0.073	23.11	23.50	1.094	0.080	/
			4	37850	2580	50	Low	Off	0.17	0.059	22.12	22.50	1.091	0.064	/
		Right Edge	4	37850	2580	1	Low	Off	0.07	0.121	23.11	23.50	1.094	0.132	/
			4	37850	2580	50	Low	Off	0.19	0.095	22.12	22.50	1.091	0.104	/
		Bottom Edge	4	37850	2580	1	Low	Off	-0.17	0.325	23.11	23.50	1.094	0.356	/
			4	37850	2580	50	Low	Off	-0.13	0.268	22.12	22.50	1.091	0.293	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.16 LTE Band 41 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	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.6	QPSK	Left Cheek	0	40690	2600	1	Mid	Level1	0.03	0.442	16.33	16.50	1.040	0.460	/
			0	40690	2600	50	Low	Level1	0.01	0.417	16.04	16.50	1.112	0.464	/
		Left Tilt	0	40690	2600	1	Mid	Level1	-0.11	0.432	16.33	16.50	1.040	0.449	/
			0	40690	2600	50	Low	Level1	0.15	0.400	16.04	16.50	1.112	0.445	/
		Right Cheek	0	40690	2600	1	Mid	Level1	0.06	0.421	16.33	16.50	1.040	0.438	/
			0	40690	2600	50	Low	Level1	0.09	0.390	16.04	16.50	1.112	0.434	/
		Right Tilt	0	40690	2600	1	Mid	Level1	0.13	0.492	16.33	16.50	1.040	**0.512**	60
			0	40690	2600	50	Low	Level1	0.08	0.442	16.04	16.50	1.112	0.491	/
Ant.1	QPSK	Left Cheek	0	40690	2600	1	Mid	Level1	0.05	0.074	20.56	21.50	1.242	0.092	/
			0	40690	2600	50	Mid	Level1	0.07	0.069	20.58	21.50	1.236	0.085	/
		Left Tilt	0	40690	2600	1	Mid	Level1	-0.11	0.023	20.56	21.50	1.242	0.029	/
			0	40690	2600	50	Mid	Level1	0.16	0.019	20.58	21.50	1.236	0.023	/
		Right Cheek	0	40690	2600	1	Mid	Level1	0.02	0.039	20.56	21.50	1.242	0.048	/
			0	40690	2600	50	Mid	Level1	0.07	0.034	20.58	21.50	1.236	0.042	/
		Right Tilt	0	40690	2600	1	Mid	Level1	0.04	0.053	20.56	21.50	1.242	0.066	/
			0	40690	2600	50	Mid	Level1	0.03	0.049	20.58	21.50	1.236	0.061	/
Body-worn Accessory															
Ant.6	QPSK	Front Side	15	40690	2600	1	High	Off	0.05	0.303	23.26	23.50	1.057	0.320	/
			15	40690	2600	50	Mid	Off	0.06	0.283	22.29	22.50	1.050	0.297	/
		Back Side	15	40690	2600	1	High	Off	0.12	0.326	23.26	23.50	1.057	**0.345**	61
			15	40690	2600	50	Mid	Off	-0.09	0.318	22.29	22.50	1.050	0.334	/
Ant.6	QPSK	Front Side	15	40690	2600	1	Mid	Level2	0.02	0.064	16.33	16.50	1.040	0.067	/
			15	40690	2600	50	Low	Level2	0.07	0.055	16.04	16.50	1.112	0.061	/
		Back Side	15	40690	2600	1	Mid	Level2	0.12	0.075	16.33	16.50	1.040	0.078	/
			15	40690	2600	50	Low	Level2	-0.16	0.064	16.04	16.50	1.112	0.071	/
Ant.1	QPSK	Front Side	15	40690	2600	1	Mid	Off	0.03	0.220	23.15	23.50	1.084	0.238	/
			15	40690	2600	50	Mid	Off	0.02	0.229	22.25	22.50	1.059	0.243	/
		Back Side	15	40690	2600	1	Mid	Off	0.08	0.239	23.15	23.50	1.084	0.259	/
			15	40690	2600	50	Mid	Off	-0.04	0.253	22.25	22.50	1.059	0.268	/
Ant.1	QPSK	Front Side	15	40690	2600	1	Mid	Level2	0.03	0.139	20.56	21.50	1.242	0.173	/
			15	40690	2600	50	Mid	Level2	0.01	0.145	20.58	21.50	1.236	0.179	/
		Back Side	15	40690	2600	1	Mid	Level2	0.09	0.151	20.56	21.50	1.242	0.187	/
			15	40690	2600	50	Mid	Level2	0.06	0.160	20.58	21.50	1.236	0.198	/
Hotspot															
Ant.6	QPSK	Front Side	10	40690	2600	1	Mid	Level2	0.14	0.118	16.33	16.50	1.040	0.123	/
			10	40690	2600	50	Low	Level2	0.11	0.110	16.04	16.50	1.112	0.122	/
		Back Side	10	40690	2600	1	Mid	Level2	-0.13	0.138	16.33	16.50	1.040	0.144	/
			10	40690	2600	50	Low	Level2	0.02	0.118	16.04	16.50	1.112	0.131	/
		Left Edge	10	40690	2600	1	Mid	Level2	0.06	0.041	16.33	16.50	1.040	0.043	/
			10	40690	2600	50	Low	Level2	0.08	0.032	16.04	16.50	1.112	0.036	/

		Right Edge	10	40690	2600	1	Mid	Level2	0.03	0.029	16.33	16.50	1.040	0.030	/
			10	40690	2600	50	Low	Level2	0.07	0.025	16.04	16.50	1.112	0.028	/
		Top Edge	10	40690	2600	1	Mid	Level2	-0.04	0.250	16.33	16.50	1.040	0.260	/
			10	40690	2600	50	Low	Level2	0.14	0.242	16.04	16.50	1.112	0.269	/
Ant.1	QPSK	Front Side	10	40690	2600	1	Mid	Level2	-0.13	0.249	20.56	21.50	1.242	0.309	/
			10	40690	2600	50	Mid	Level2	0.02	0.267	20.58	21.50	1.236	0.330	/
		Back Side	10	40690	2600	1	Mid	Level2	0.09	0.274	20.56	21.50	1.242	0.340	/
			10	40690	2600	50	Mid	Level2	0.01	0.285	20.58	21.50	1.236	0.352	/
		Left Edge	10	40690	2600	1	Mid	Level2	0.04	0.048	20.56	21.50	1.242	0.060	/
			10	40690	2600	50	Mid	Level2	0.05	0.051	20.58	21.50	1.236	0.063	/
		Right Edge	10	40690	2600	1	Mid	Level2	0.08	0.084	20.56	21.50	1.242	0.104	/
			10	40690	2600	50	Mid	Level2	0.04	0.088	20.58	21.50	1.236	0.109	/
		Bottom Edge	10	40690	2600	1	Mid	Level2	-0.12	0.435	20.56	21.50	1.242	0.540	/
			10	40690	2600	50	Mid	Level2	-0.07	0.445	20.58	21.50	1.236	**0.550**	62
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.6	QPSK	Top Edge	0	40690	2600	1	Mid	Level2	0.08	0.246	16.33	16.50	1.040	**0.256**	63
			0	40690	2600	50	Low	Level2	0.11	0.230	16.04	16.50	1.112	0.256	/
P-Sensor off															
Ant.6	QPSK	Front Side	4	40690	2600	1	High	Off	0.17	0.935	23.26	23.50	1.057	0.988	/
			4	40690	2600	50	Mid	Off	0.12	0.740	22.29	22.50	1.050	0.777	/
		Back Side	4	40690	2600	1	High	Off	-0.18	1.030	23.26	23.50	1.057	1.089	/
			4	40690	2600	50	Mid	Off	-0.05	0.810	22.29	22.50	1.050	0.850	/
		Left Edge	4	40690	2600	1	High	Off	-0.10	0.089	23.26	23.50	1.057	0.094	/
			4	40690	2600	50	Mid	Off	-0.17	0.069	22.29	22.50	1.050	0.072	/
		Right Edge	4	40690	2600	1	High	Off	0.17	0.148	23.26	23.50	1.057	0.156	/
			4	40690	2600	50	Mid	Off	0.15	0.118	22.29	22.50	1.050	0.124	/
		Top Edge	4	40690	2600	1	High	Off	0.03	1.260	23.26	23.50	1.057	**1.332**	64
			4	40690	2600	50	Mid	Off	0.17	1.020	22.29	22.50	1.050	1.071	/
Ant.1	QPSK	Front Side	4	40690	2600	1	Mid	Off	0.03	0.158	23.15	23.50	1.084	0.171	/
			4	40690	2600	50	Mid	Off	-0.16	0.124	22.25	22.50	1.059	0.131	/
		Back Side	4	40690	2600	1	Mid	Off	0.11	0.195	23.15	23.50	1.084	0.211	/
			4	40690	2600	50	Mid	Off	0.05	0.153	22.25	22.50	1.059	0.162	/
		Left Edge	4	40690	2600	1	Mid	Off	0.01	0.067	23.15	23.50	1.084	0.073	/
			4	40690	2600	50	Mid	Off	0.13	0.054	22.25	22.50	1.059	0.057	/
		Right Edge	4	40690	2600	1	Mid	Off	-0.13	0.115	23.15	23.50	1.084	0.125	/
			4	40690	2600	50	Mid	Off	0.15	0.090	22.25	22.50	1.059	0.095	/
		Bottom Edge	4	40690	2600	1	Mid	Off	0.12	0.308	23.15	23.50	1.084	0.334	/
			4	40690	2600	50	Mid	Off	0.07	0.251	22.25	22.50	1.059	0.266	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.17 5G n41 (100MHz Bandwidth)

Antenna	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	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	DFT-s-OFDM QPSK	Only for SA	Left Cheek	0	518598	2592.99	1	137	Level1	-0.19	0.464	15.58	16.00	1.102	**0.511**	65
				0	513900	2569.5	135	0	Level1	0.01	0.441	15.60	16.00	1.096	0.484	/
			Left Tilt	0	518598	2592.99	1	137	Level1	0.06	0.113	15.58	16.00	1.102	0.124	/
				0	513900	2569.5	135	0	Level1	-0.14	0.109	15.60	16.00	1.096	0.120	/
			Right Cheek	0	518598	2592.99	1	137	Level1	0.13	0.151	15.58	16.00	1.102	0.166	/
				0	513900	2569.5	135	0	Level1	0.07	0.142	15.60	16.00	1.096	0.156	/
			Right Tilt	0	518598	2592.99	1	137	Level1	0.04	0.061	15.58	16.00	1.102	0.067	/
				0	513900	2569.5	135	0	Level1	0.06	0.055	15.60	16.00	1.096	0.060	/
Ant.4	DFT-s-OFDM QPSK	Only for ENDC	Left Cheek	0	518598	2592.99	1	137	Level1	-0.15	0.283	13.66	14.00	1.081	0.306	/
				0	513900	2569.5	135	0	Level1	-0.18	0.275	13.61	14.00	1.094	0.301	/
			Left Tilt	0	518598	2592.99	1	137	Level1	-0.14	0.070	13.66	14.00	1.081	0.076	/
				0	513900	2569.5	135	0	Level1	-0.09	0.069	13.61	14.00	1.094	0.075	/
			Right Cheek	0	518598	2592.99	1	137	Level1	0.15	0.093	13.66	14.00	1.081	0.101	/
				0	513900	2569.5	135	0	Level1	0.18	0.081	13.61	14.00	1.094	0.089	/
			Right Tilt	0	518598	2592.99	1	137	Level1	-0.14	0.038	13.66	14.00	1.081	0.041	/
				0	513900	2569.5	135	0	Level1	-0.16	0.037	13.61	14.00	1.094	0.040	/
Body-worn Accessory																
Ant.4	DFT-s-OFDM QPSK	SA&ENDC	Front Side	15	518598	518598	1	1	Off	-0.08	0.251	23.21	24.00	1.199	**0.301**	66
				15	513900	2569.5	135	138	Off	0.02	0.242	23.47	24.00	1.130	0.273	/
			Back Side	15	518598	518598	1	1	Off	0.03	0.249	23.21	24.00	1.199	0.299	/
				15	513900	2569.5	135	138	Off	-0.07	0.231	23.47	24.00	1.130	0.261	/
Ant.4	DFT-s-OFDM QPSK	Only for SA	Front Side	15	518598	518598	1	137	Level2	0.11	0.038	15.58	16.00	1.102	0.042	/
				15	513900	2569.5	135	0	Level2	0.05	0.038	15.60	16.00	1.096	0.042	/
			Back Side	15	518598	518598	1	137	Level2	0.08	0.039	15.58	16.00	1.102	0.043	/
				15	513900	2569.5	135	0	Level2	0.03	0.036	15.60	16.00	1.096	0.039	/
Ant.4	DFT-s-OFDM QPSK	Only for ENDC	Front Side	15	518598	518598	1	137	Level2	-0.08	0.023	13.66	14.00	1.081	0.025	/
				15	513900	2569.5	135	0	Level2	0.01	0.021	13.61	14.00	1.094	0.023	/
			Back Side	15	518598	518598	1	137	Level2	-0.18	0.024	13.66	14.00	1.081	0.026	/
				15	513900	2569.5	135	0	Level2	0.14	0.022	13.61	14.00	1.094	0.024	/
Hotspot																
Ant.4	DFT-s-OFDM QPSK	Only for SA	Front Side	10	518598	518598	1	137	Level2	0.04	0.122	15.58	16.00	1.102	0.134	/
				10	513900	2569.5	135	0	Level2	0.06	0.119	15.60	16.00	1.096	0.130	/
			Back Side	10	518598	518598	1	137	Level2	0.11	0.097	15.58	16.00	1.102	0.107	/
				10	513900	2569.5	135	0	Level2	-0.09	0.096	15.60	16.00	1.096	0.105	/
			Left Edge	10	518598	518598	1	137	Level2	0.10	0.242	15.58	16.00	1.102	**0.267**	67
				10	513900	2569.5	135	0	Level2	0.11	0.231	15.60	16.00	1.096	0.253	/
			Top Edge	10	518598	518598	1	137	Level2	-0.15	0.010	15.58	16.00	1.102	0.011	/
				10	513900	2569.5	135	0	Level2	0.03	0.009	15.60	16.00	1.096	0.010	/
Ant.4	DFT-s-	Only for	Front Side	10	518598	518598	1	137	Level2	-0.11	0.075	13.66	14.00	1.081	0.081	/

	OFDM QPSK	ENDC		10	513900	2569.5	135	0	Level2	0.18	0.069	13.61	14.00	1.094	0.075	/
			Back Side	10	518598	518598	1	137	Level2	-0.01	0.063	13.66	14.00	1.081	0.068	/
				10	513900	2569.5	135	0	Level2	-0.11	0.061	13.61	14.00	1.094	0.067	/
			Left Edge	10	518598	518598	1	137	Level2	0.00	0.148	13.66	14.00	1.081	0.160	/
				10	513900	2569.5	135	0	Level2	-0.19	0.145	13.61	14.00	1.094	0.159	/
			Top Edge	10	518598	518598	1	137	Level2	0.15	0.006	13.66	14.00	1.081	0.006	/
				10	513900	2569.5	135	0	Level2	0.01	0.006	13.61	14.00	1.094	0.007	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Reduction	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.4	DFT-s-OFDM QPSK	Only for SA	Left Edge	0	518598	518598	1	137	Level3	0.04	0.577	15.58	16.00	1.102	**0.636**	68
				0	513900	2569.5	135	0	Level3	-0.12	0.570	15.60	16.00	1.096	0.625	/
Ant.4	DFT-s-OFDM QPSK	Only for ENDC	Left Edge	0	518598	518598	1	137	Level3	0.14	0.360	13.66	14.00	1.081	0.389	/
				0	513900	2569.5	135	0	Level3	0.09	0.353	13.61	14.00	1.094	0.386	/
P-Sensor off																
Ant.4	DFT-s-OFDM QPSK	Only for SA	Front Side	4	518598	518598	1	1	Off	-0.10	0.582	23.21	24.00	1.199	0.698	/
				4	513900	2569.5	135	138	Off	-0.05	0.570	23.47	24.00	1.130	0.644	/
			Back Side	4	518598	518598	1	1	Off	-0.19	0.396	23.21	24.00	1.199	0.475	/
				4	513900	2569.5	135	138	Off	-0.17	0.385	23.47	24.00	1.130	0.435	/
			Left Edge	4	518598	518598	1	1	Off	-0.19	1.090	23.21	24.00	1.199	**1.307**	69
				4	513900	2569.5	135	138	Off	0.06	1.010	23.47	24.00	1.130	1.141	/
			Top Edge	4	518598	518598	1	1	Off	-0.02	0.032	23.21	24.00	1.199	0.038	/
				4	513900	2569.5	135	138	Off	-0.04	0.030	23.47	24.00	1.130	0.034	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.18 WIFI 2.4GHz

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.5	802.11b	Left Cheek	0	11	2462	0.14	0.590	13.23	14.00	1.194	99.78	1.002	**0.706**	70
		Left Tilt	0	11	2462	0.05	0.237	13.23	14.00	1.194	99.78	1.002	0.284	/
		Right Cheek	0	11	2462	0.04	0.132	13.23	14.00	1.194	99.78	1.002	0.158	/
		Right Tilt	0	11	2462	0.09	0.104	13.23	14.00	1.194	99.78	1.002	0.124	/
Ant.2	802.11b	Left Cheek	0	6	2437	-0.08	0.045	15.45	17.00	1.429	99.78	1.002	0.064	/
		Left Tilt	0	6	2437	-0.08	0.013	15.45	17.00	1.429	99.78	1.002	0.019	/
		Right Cheek	0	6	2437	0.07	0.025	15.45	17.00	1.429	99.78	1.002	0.036	/
		Right Tilt	0	6	2437	-0.17	0.008	15.45	17.00	1.429	99.78	1.002	0.011	/
Ant.2&5	802.11b	Left Cheek	0	11	2462	0.06	0.504	13.98	14.00	1.005	99.78	1.002	0.507	/
		Left Tilt	0	11	2462	-0.16	0.181	13.98	14.00	1.005	99.78	1.002	0.182	/
		Right Cheek	0	11	2462	-0.14	0.102	13.98	14.00	1.005	99.78	1.002	0.103	/
		Right Tilt	0	11	2462	-0.17	0.079	13.98	14.00	1.005	99.78	1.002	0.080	/
Body-worn Accessory														
Ant.5	802.11b	Front Side	15	11	2462	-0.16	0.044	16.31	17.00	1.172	99.78	1.002	0.052	/
		Back Side	15	11	2462	0.19	0.047	16.31	17.00	1.172	99.78	1.002	0.055	/
Ant.2	802.11b	Front Side	15	6	2437	-0.15	0.023	15.45	17.00	1.429	99.78	1.002	0.033	/
		Back Side	15	6	2437	-0.06	0.019	15.45	17.00	1.429	99.78	1.002	0.027	/
Ant.2&5	802.11b	Front Side	15	11	2462	0.07	0.049	16.91	17.00	1.021	99.78	1.002	0.050	/
		Back Side	15	11	2462	0.09	0.065	16.91	17.00	1.021	99.78	1.002	**0.067**	71
Hotspot														
Ant.5	802.11b	Front Side	10	11	2412	-0.18	0.086	16.31	17.00	1.172	99.78	1.002	0.101	/
		Back Side	10	11	2412	-0.04	0.085	16.31	17.00	1.172	99.78	1.002	0.100	/
		Left Edge	10	11	2412	0.19	0.102	16.31	17.00	1.172	99.78	1.002	0.120	/
		Right Edge	10	11	2412	-0.14	0.011	16.31	17.00	1.172	99.78	1.002	0.013	/
		Top Edge	10	11	2412	-0.13	0.006	16.31	17.00	1.172	99.78	1.002	0.007	/
		Bottom Edge	10	11	2412	0.06	0.000	16.31	17.00	1.172	99.78	1.002	0.000	/
Ant.2	802.11b	Front Side	10	6	2437	0.15	0.064	15.45	17.00	1.429	99.78	1.002	0.092	/
		Back Side	10	6	2437	0.03	0.071	15.45	17.00	1.429	99.78	1.002	0.102	/
		Left Edge	10	6	2437	0.04	0.098	15.45	17.00	1.429	99.78	1.002	0.140	/
		Right Edge	10	6	2437	-0.16	0.023	15.45	17.00	1.429	99.78	1.002	0.033	/
		Top Edge	10	6	2437	-0.14	0.014	15.45	17.00	1.429	99.78	1.002	0.020	/
		Bottom Edge	10	6	2437	0.02	0.000	15.45	17.00	1.429	99.78	1.002	0.000	/
Ant.2&5	802.11b	Front Side	10	11	2462	0.11	0.075	16.91	17.00	1.021	99.78	1.002	0.077	/
		Back Side	10	11	2462	-0.04	0.091	16.91	17.00	1.021	99.78	1.002	0.093	/
		Left Edge	10	11	2462	0.00	0.139	16.91	17.00	1.021	99.78	1.002	**0.142**	72
		Right Edge	10	11	2462	0.06	0.021	16.91	17.00	1.021	99.78	1.002	0.021	/
		Top Edge	10	11	2462	0.09	0.015	16.91	17.00	1.021	99.78	1.002	0.015	/
		Bottom Edge	10	11	2462	-0.04	0.000	16.91	17.00	1.021	99.78	1.002	0.000	/

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

11.19 WIFI 5GHz

Antenna	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.5	5.3G	802.11 n HT40	Left Cheek	0	62	5310	-0.01	0.036	13.58	15.00	1.387	99.19	1.008	**0.051**	73
			Left Tilt	0	62	5310	-0.10	0.024	13.58	15.00	1.387	99.19	1.008	0.034	/
			Right Cheek	0	62	5310	-0.05	0.031	13.58	15.00	1.387	99.19	1.008	0.043	/
			Right Tilt	0	62	5310	0.11	0.019	13.58	15.00	1.387	99.19	1.008	0.027	/
Ant.3	5.3G	802.11 n HT40	Left Cheek	0	62	5310	0.12	0.024	13.52	15.00	1.406	99.19	1.008	0.034	/
			Left Tilt	0	62	5310	0.17	0.021	13.52	15.00	1.406	99.19	1.008	0.030	/
			Right Cheek	0	62	5310	-0.18	0.016	13.52	15.00	1.406	99.19	1.008	0.023	/
			Right Tilt	0	62	5310	-0.17	0.014	13.52	15.00	1.406	99.19	1.008	0.020	/
Ant.3 &5	5.3G	802.11 n HT40	Left Cheek	0	62	5310	0.06	0.032	14.32	15.00	1.169	99.19	1.008	0.038	/
			Left Tilt	0	62	5310	0.17	0.018	14.32	15.00	1.169	99.19	1.008	0.021	/
			Right Cheek	0	62	5310	0.18	0.026	14.32	15.00	1.169	99.19	1.008	0.031	/
			Right Tilt	0	62	5310	0.02	0.017	14.32	15.00	1.169	99.19	1.008	0.020	/
Ant.5	5.6G	802.11 n HT40	Left Cheek	0	102	5510	-0.18	0.044	14.77	15.00	1.054	99.19	1.008	**0.046**	74
			Left Tilt	0	102	5510	0.13	0.031	14.77	15.00	1.054	99.19	1.008	0.033	/
			Right Cheek	0	102	5510	0.13	0.032	14.77	15.00	1.054	99.19	1.008	0.034	/
			Right Tilt	0	102	5510	0.17	0.021	14.77	15.00	1.054	99.19	1.008	0.022	/
Ant.3	5.6G	802.11 n HT40	Left Cheek	0	102	5510	0.12	0.035	14.15	15.00	1.216	99.19	1.008	0.043	/
			Left Tilt	0	102	5510	-0.14	0.024	14.15	15.00	1.216	99.19	1.008	0.029	/
			Right Cheek	0	102	5510	-0.14	0.021	14.15	15.00	1.216	99.19	1.008	0.026	/
			Right Tilt	0	102	5510	-0.02	0.014	14.15	15.00	1.216	99.19	1.008	0.017	/
Ant.3 &5	5.6G	802.11 n HT40	Left Cheek	0	102	5510	-0.12	0.037	14.83	15.00	1.040	99.19	1.008	0.039	/
			Left Tilt	0	102	5510	-0.08	0.020	14.83	15.00	1.040	99.19	1.008	0.021	/
			Right Cheek	0	102	5510	-0.11	0.025	14.83	15.00	1.040	99.19	1.008	0.026	/
			Right Tilt	0	102	5510	0.04	0.018	14.83	15.00	1.040	99.19	1.008	0.019	/
Ant.5	5.8G	802.11 n HT40	Left Cheek	0	159	5795	-0.18	0.040	14.98	15.00	1.005	99.19	1.008	**0.040**	75
			Left Tilt	0	159	5795	-0.07	0.038	14.98	15.00	1.005	99.19	1.008	0.038	/
			Right Cheek	0	159	5795	-0.11	0.029	14.98	15.00	1.005	99.19	1.008	0.029	/
			Right Tilt	0	159	5795	0.04	0.023	14.98	15.00	1.005	99.19	1.008	0.023	/
Ant.3	5.8G	802.11 n HT40	Left Cheek	0	159	5795	0.10	0.031	13.96	15.00	1.271	99.19	1.008	0.040	/
			Left Tilt	0	159	5795	-0.04	0.022	13.96	15.00	1.271	99.19	1.008	0.028	/
			Right Cheek	0	159	5795	-0.10	0.027	13.96	15.00	1.271	99.19	1.008	0.035	/
			Right Tilt	0	159	5795	0.15	0.025	13.96	15.00	1.271	99.19	1.008	0.032	/
Ant.3 &5	5.8G	802.11 n HT40	Left Cheek	0	159	5795	0.17	0.027	14.94	15.00	1.014	99.19	1.008	0.028	/
			Left Tilt	0	159	5795	-0.04	0.026	14.94	15.00	1.014	99.19	1.008	0.027	/
			Right Cheek	0	159	5795	-0.16	0.021	14.94	15.00	1.014	99.19	1.008	0.021	/
			Right Tilt	0	159	5795	0.13	0.019	14.94	15.00	1.014	99.19	1.008	0.019	/
Body-worn Accessory															
Ant.5	5.3G	802.11 n HT40	Front Side	15	62	5310	0.09	0.121	13.58	15.00	1.387	99.19	1.008	0.169	/
			Back Side	15	62	5310	-0.11	0.195	13.58	15.00	1.387	99.19	1.008	**0.273**	76
Ant.3	5.3G	802.11 n	Front Side	15	62	5310	0.06	0.032	13.52	15.00	1.406	99.19	1.008	0.046	/

		HT40	Back Side	15	62	5310	-0.03	0.044	13.52	15.00	1.406	99.19	1.008	0.062	/
Ant.3 &5	5.3G	802.11 n HT40	Front Side	15	62	5310	-0.12	0.022	14.32	15.00	1.169	99.19	1.008	0.026	/
			Back Side	15	62	5310	-0.09	0.074	14.32	15.00	1.169	99.19	1.008	0.087	/
Ant.5	5.6G	802.11 n HT40	Front Side	15	102	5510	0.12	0.064	14.77	15.00	1.054	99.19	1.008	0.068	/
			Back Side	15	102	5510	-0.09	0.266	14.77	15.00	1.054	99.19	1.008	**0.283**	77
Ant.3	5.6G	802.11 n HT40	Front Side	15	102	5510	-0.12	0.037	14.15	15.00	1.216	99.19	1.008	0.045	/
			Back Side	15	102	5510	-0.12	0.041	14.15	15.00	1.216	99.19	1.008	0.050	/
Ant.3 &5	5.6G	802.11 n HT40	Front Side	15	102	5510	-0.02	0.025	14.83	15.00	1.040	99.19	1.008	0.026	/
			Back Side	15	102	5510	-0.02	0.119	14.83	15.00	1.040	99.19	1.008	0.125	/
Ant.5	5.8G	802.11 n HT40	Front Side	15	159	5795	0.00	0.034	14.98	15.00	1.005	99.19	1.008	0.034	/
			Back Side	15	159	5795	0.19	0.099	14.98	15.00	1.005	99.19	1.008	**0.100**	78
Ant.3	5.8G	802.11 n HT40	Front Side	15	159	5795	0.15	0.036	13.96	15.00	1.271	99.19	1.008	0.046	/
			Back Side	15	159	5795	0.06	0.069	13.96	15.00	1.271	99.19	1.008	0.088	/
Ant.3 &5	5.8G	802.11 n HT40	Front Side	15	159	5795	0.10	0.049	14.94	15.00	1.014	99.19	1.008	0.050	/
			Back Side	15	159	5795	0.01	0.061	14.94	15.00	1.014	99.19	1.008	0.062	/
Hotspot															
Ant.5	5.2G	802.11 n HT40	Front Side	10	38	5190	0.03	0.056	14.84	15.00	1.038	99.19	1.008	0.059	/
			Back Side	10	38	5190	0.19	0.152	14.84	15.00	1.038	99.19	1.008	**0.159**	79
			Left Edge	10	38	5190	-0.05	0.060	14.84	15.00	1.038	99.19	1.008	0.063	/
			Right Edge	10	38	5190	0.14	0.023	14.84	15.00	1.038	99.19	1.008	0.024	/
			Top Edge	10	38	5190	-0.12	0.011	14.84	15.00	1.038	99.19	1.008	0.012	/
			Bottom Edge	10	38	5190	0.04	0.000	14.84	15.00	1.038	99.19	1.008	0.000	/
Ant.3	5.2G	802.11 n HT40	Front Side	10	38	5190	0.12	0.023	13.85	15.00	1.303	99.19	1.008	0.030	/
			Back Side	10	38	5190	-0.11	0.058	13.85	15.00	1.303	99.19	1.008	0.076	/
			Left Edge	10	38	5190	0.03	0.071	13.85	15.00	1.303	99.19	1.008	0.093	/
			Right Edge	10	38	5190	-0.06	0.042	13.85	15.00	1.303	99.19	1.008	0.055	/
			Top Edge	10	38	5190	0.05	0.033	13.85	15.00	1.303	99.19	1.008	0.043	/
			Bottom Edge	10	38	5190	-0.02	0.023	13.85	15.00	1.303	99.19	1.008	0.030	/
Ant.3 &5	5.2G	802.11 n HT40	Front Side	10	38	5190	-0.16	0.054	14.87	15.00	1.030	99.19	1.008	0.056	/
			Back Side	10	38	5190	-0.01	0.119	14.87	15.00	1.030	99.19	1.008	0.124	/
			Left Edge	10	38	5190	0.16	0.055	14.87	15.00	1.030	99.19	1.008	0.057	/
			Right Edge	10	38	5190	0.06	0.034	14.87	15.00	1.030	99.19	1.008	0.035	/
			Top Edge	10	38	5190	-0.14	0.025	14.87	15.00	1.030	99.19	1.008	0.026	/
			Bottom Edge	10	38	5190	0.11	0.000	14.87	15.00	1.030	99.19	1.008	0.000	/
Ant.5	5.8G	802.11 n HT40	Front Side	10	159	5795	0.06	0.028	14.98	15.00	1.005	99.19	1.008	0.028	/
			Back Side	10	159	5795	-0.05	0.117	14.98	15.00	1.005	99.19	1.008	**0.118**	80
			Left Edge	10	159	5795	-0.05	0.069	14.98	15.00	1.005	99.19	1.008	0.070	/
			Right Edge	10	159	5795	0.18	0.033	14.98	15.00	1.005	99.19	1.008	0.033	/
			Top Edge	10	159	5795	0.04	0.021	14.98	15.00	1.005	99.19	1.008	0.021	/
			Bottom Edge	10	159	5795	-0.04	0.018	14.98	15.00	1.005	99.19	1.008	0.018	/
Ant.3	5.8G	802.11 n HT40	Front Side	10	159	5795	-0.16	0.026	13.96	15.00	1.271	99.19	1.008	0.033	/
			Back Side	10	159	5795	-0.14	0.028	13.96	15.00	1.271	99.19	1.008	0.036	/
			Left Edge	10	159	5795	-0.03	0.039	13.96	15.00	1.271	99.19	1.008	0.050	/
			Right Edge	10	159	5795	0.09	0.014	13.96	15.00	1.271	99.19	1.008	0.018	/
			Top Edge	10	159	5795	0.02	0.033	13.96	15.00	1.271	99.19	1.008	0.042	/

			Bottom Edge	10	159	5795	0.13	0.028	13.96	15.00	1.271	99.19	1.008	0.036	/
Ant.3 &5	5.8G	802.11 n HT40	Front Side	10	159	5795	0.09	0.044	14.94	15.00	1.014	99.19	1.008	0.045	/
			Back Side	10	159	5795	0.00	0.098	14.94	15.00	1.014	99.19	1.008	0.100	/
			Left Edge	10	159	5795	0.11	0.048	14.94	15.00	1.014	99.19	1.008	0.049	/
			Right Edge	10	159	5795	0.04	0.051	14.94	15.00	1.014	99.19	1.008	0.052	/
			Top Edge	10	159	5795	0.03	0.021	14.94	15.00	1.014	99.19	1.008	0.021	/
			Bottom Edge	10	159	5795	-0.09	0.029	14.94	15.00	1.014	99.19	1.008	0.030	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.5	5.3G	802.11 n HT40	Front Side	0	62	5310	-0.09	0.023	13.58	15.00	1.387	99.19	1.008	0.032	/
			Back Side	0	62	5310	-0.13	0.264	13.58	15.00	1.387	99.19	1.008	**0.369**	81
			Left Edge	0	62	5310	-0.19	0.094	13.58	15.00	1.387	99.19	1.008	0.131	/
			Right Edge	0	62	5310	0.16	0.008	13.58	15.00	1.387	99.19	1.008	0.011	/
			Top Edge	0	62	5310	-0.06	0.092	13.58	15.00	1.387	99.19	1.008	0.129	/
			Bottom Edge	0	62	5310	0.02	0.006	13.58	15.00	1.387	99.19	1.008	0.008	/
Ant.3	5.3G	802.11 n HT40	Front Side	0	62	5310	-0.12	0.083	13.52	15.00	1.406	99.19	1.008	0.118	/
			Back Side	0	62	5310	-0.19	0.155	13.52	15.00	1.406	99.19	1.008	0.220	/
			Left Edge	0	62	5310	-0.03	0.233	13.52	15.00	1.406	99.19	1.008	0.330	/
			Right Edge	0	62	5310	-0.12	0.012	13.52	15.00	1.406	99.19	1.008	0.017	/
			Top Edge	0	62	5310	-0.13	0.026	13.52	15.00	1.406	99.19	1.008	0.037	/
			Bottom Edge	0	62	5310	0.13	0.010	13.52	15.00	1.406	99.19	1.008	0.014	/
Ant.3 &5	5.3G	802.11 n HT40	Front Side	0	62	5310	-0.09	0.059	14.32	15.00	1.169	99.19	1.008	0.070	/
			Back Side	0	62	5310	-0.02	0.224	14.32	15.00	1.169	99.19	1.008	0.264	/
			Left Edge	0	62	5310	-0.03	0.134	14.32	15.00	1.169	99.19	1.008	0.158	/
			Right Edge	0	62	5310	-0.14	0.004	14.32	15.00	1.169	99.19	1.008	0.005	/
			Top Edge	0	62	5310	-0.12	0.088	14.32	15.00	1.169	99.19	1.008	0.104	/
			Bottom Edge	0	62	5310	-0.06	0.009	14.32	15.00	1.169	99.19	1.008	0.011	/
Ant.5	5.6G	802.11 n HT40	Front Side	0	102	5510	0.11	0.024	14.77	15.00	1.054	99.19	1.008	0.026	/
			Back Side	0	102	5510	0.12	0.456	14.77	15.00	1.054	99.19	1.008	**0.485**	82
			Left Edge	0	102	5510	0.16	0.160	14.77	15.00	1.054	99.19	1.008	0.170	/
			Right Edge	0	102	5510	0.18	0.007	14.77	15.00	1.054	99.19	1.008	0.007	/
			Top Edge	0	102	5510	-0.17	0.108	14.77	15.00	1.054	99.19	1.008	0.115	/
			Bottom Edge	0	102	5510	0.16	0.000	14.77	15.00	1.054	99.19	1.008	0.000	/
Ant.3	5.6G	802.11 n HT40	Front Side	0	102	5510	-0.11	0.093	14.15	15.00	1.216	99.19	1.008	0.114	/
			Back Side	0	102	5510	-0.14	0.169	14.15	15.00	1.216	99.19	1.008	0.207	/
			Left Edge	0	102	5510	0.03	0.228	14.15	15.00	1.216	99.19	1.008	0.280	/
			Right Edge	0	102	5510	-0.11	0.000	14.15	15.00	1.216	99.19	1.008	0.000	/
			Top Edge	0	102	5510	0.11	0.027	14.15	15.00	1.216	99.19	1.008	0.033	/
			Bottom Edge	0	102	5510	-0.02	0.004	14.15	15.00	1.216	99.19	1.008	0.005	/
Ant.3 &5	5.6G	802.11 n HT40	Front Side	0	102	5510	0.16	0.066	14.83	15.00	1.040	99.19	1.008	0.069	/
			Back Side	0	102	5510	-0.11	0.390	14.83	15.00	1.040	99.19	1.008	0.409	/
			Left Edge	0	102	5510	0.15	0.164	14.83	15.00	1.040	99.19	1.008	0.172	/
			Right Edge	0	102	5510	0.08	0.005	14.83	15.00	1.040	99.19	1.008	0.005	/
			Top Edge	0	102	5510	0.06	0.107	14.83	15.00	1.040	99.19	1.008	0.112	/
			Bottom Edge	0	102	5510	0.11	0.004	14.83	15.00	1.040	99.19	1.008	0.004	/

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

11.20 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.5	DH5	Left Cheek	0	39	2441	0.01	0.109	13.05	14.00	1.245	76.88	1.301	**0.176**	83
		Left Tilt	0	39	2441	0.03	0.095	13.05	14.00	1.245	76.88	1.301	0.154	/
		Right Cheek	0	39	2441	-0.04	0.074	13.05	14.00	1.245	76.88	1.301	0.120	/
		Right Tilt	0	39	2441	0.11	0.061	13.05	14.00	1.245	76.88	1.301	0.099	/
Body-worn Accessory														
Ant.5	DH5	Front Side	15	39	2441	0.03	0.023	13.05	14.00	1.245	76.88	1.301	0.037	/
		Back Side	15	39	2441	0.06	0.024	13.05	14.00	1.245	76.88	1.301	**0.039**	84
Hotspot														
Ant.5	DH5	Front Side	10	39	2441	-0.03	0.041	13.05	14.00	1.245	76.88	1.301	0.066	/
		Back Side	10	39	2441	0.16	0.038	13.05	14.00	1.245	76.88	1.301	0.062	/
		Left Edge	10	39	2441	0.04	0.067	13.05	14.00	1.245	76.88	1.301	**0.109**	85
		Right Edge	10	39	2441	0.01	0.021	13.05	14.00	1.245	76.88	1.301	0.034	/
		Top Edge	10	39	2441	0.18	0.034	13.05	14.00	1.245	76.88	1.301	0.055	/
		Bottom Edge	10	39	2441	0.06	0.002	13.05	14.00	1.245	76.88	1.301	0.003	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

12 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

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
1908.75	CDMA BC1	Head	Right Cheek	0.806	Yes	0.795	1.01
2535	LTE Band 7	Hotspot	Bottom Edge	0.907	Yes	0.892	1.02
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.							

13 SIMULTANEOUS TRANSMISSION

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

13.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot	Specific
1	GSM Voice + 2.4GHz WLAN	Yes	Yes	Yes	Yes
2	GPRS/EDGE + 2.4GHz WLAN	Yes	Yes	Yes	Yes
3	WCDMA + 2.4GHz WLAN	Yes	Yes	Yes	Yes
4	LTE + 2.4GHz WLAN	Yes	Yes	Yes	Yes
5	GSM Voice + 5GHz WLAN	Yes	Yes	Yes	Yes
6	GPRS/EDGE + 5GHz WLAN	Yes	Yes	Yes	Yes
7	WCDMA + 5GHz WLAN	Yes	Yes	Yes	Yes
8	LTE + 5GHz WLAN	Yes	Yes	Yes	Yes
9	GSM Voice + Bluetooth	Yes	Yes	Yes	Yes
10	GPRS/EDGE + Bluetooth	Yes	Yes	Yes	Yes
11	WCDMA + Bluetooth	Yes	Yes	Yes	Yes
12	LTE + Bluetooth	Yes	Yes	Yes	Yes
13	5GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
14	GSM Voice + 5GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
15	GPRS/EDGE +5GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
16	WCDMA + 5GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
17	LTE + 5GHz WLAN + Bluetooth	Yes	Yes	Yes	Yes
18	EN-DC (LTE + 5G NR) + 2.4GHz WLAN	Yes	Yes	Yes	Yes
19	EN-DC (LTE + 5G NR) + 5GHz WLAN	Yes	Yes	Yes	Yes
20	EN-DC (LTE + 5G NR) + Bluetooth	Yes	Yes	Yes	Yes
21	EN-DC (LTE + 5G NR) + 5GHz WLAN + Bluetooth	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. The 2.4G WLAN can't transmit simultaneously with Bluetooth or 5G WLAN.
5. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
6. This device 2.4GHz WLAN/5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WiFi Direct (GC/GO), and 5.3GHz WLAN/5.5GHz WLAN supports WiFi Direct (GC only).

13.2 Sum SAR of Simultaneous Transmission

13.2.1 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	Max 2.4G WIFI	Max 5G WIFI	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI+BT
GSM850	Ant.6	Level1	Left Cheek	0.594	0.706	0.051	0.176	**1.300**	0.821
		Level1	Left Tilt	0.491	0.284	0.038	0.154	0.775	0.684
		Level1	Right Cheek	0.794	0.158	0.043	0.120	0.952	0.957
		Level1	Right Tilt	0.700	0.124	0.032	0.099	0.824	0.830
GSM850	Ant.1	Off	Left Cheek	0.220	0.706	0.051	0.176	0.926	0.447
		Off	Left Tilt	0.119	0.284	0.038	0.154	0.402	0.311
		Off	Right Cheek	0.135	0.158	0.043	0.120	0.293	0.298
		Off	Right Tilt	0.101	0.124	0.032	0.099	0.225	0.232
GSM 1900	Ant.6	Level1	Left Cheek	0.533	0.706	0.051	0.176	1.239	0.760
		Level1	Left Tilt	0.448	0.284	0.038	0.154	0.731	0.640
		Level1	Right Cheek	0.879	0.158	0.043	0.120	1.036	1.042
		Level1	Right Tilt	0.765	0.124	0.032	0.099	0.890	0.896
GSM 1900	Ant.1	Off	Left Cheek	0.074	0.706	0.051	0.176	0.780	0.301
		Off	Left Tilt	0.050	0.284	0.038	0.154	0.334	0.243
		Off	Right Cheek	0.055	0.158	0.043	0.120	0.212	0.218
		Off	Right Tilt	0.043	0.124	0.032	0.099	0.167	0.174
CDMA BC0	Ant.6	Off	Left Cheek	0.337	0.706	0.051	0.176	1.043	0.564
		Off	Left Tilt	0.272	0.284	0.038	0.154	0.555	0.464
		Off	Right Cheek	0.479	0.158	0.043	0.120	0.637	0.643
		Off	Right Tilt	0.426	0.124	0.032	0.099	0.551	0.557
CDMA BC0	Ant.1	Off	Left Cheek	0.111	0.706	0.051	0.176	0.817	0.338
		Off	Left Tilt	0.078	0.284	0.038	0.154	0.361	0.270
		Off	Right Cheek	0.131	0.158	0.043	0.120	0.289	0.294
		Off	Right Tilt	0.089	0.124	0.032	0.099	0.214	0.220
CDMA BC1	Ant.6	Off	Left Cheek	0.430	0.706	0.051	0.176	1.136	0.658
		Off	Left Tilt	0.343	0.284	0.038	0.154	0.627	0.535
		Off	Right Cheek	1.067	0.158	0.043	0.120	1.225	1.231
		Off	Right Tilt	0.628	0.124	0.032	0.099	0.752	0.759
CDMA BC1	Ant.1	Off	Left Cheek	0.235	0.706	0.051	0.176	0.941	0.462
		Off	Left Tilt	0.159	0.284	0.038	0.154	0.442	0.351
		Off	Right Cheek	0.146	0.158	0.043	0.120	0.304	0.309
		Off	Right Tilt	0.114	0.124	0.032	0.099	0.239	0.245
WCDMA B2	Ant.6	Level1	Left Cheek	0.486	0.706	0.051	0.176	1.192	0.713
		Level1	Left Tilt	0.405	0.284	0.038	0.154	0.689	0.598
		Level1	Right Cheek	0.797	0.158	0.043	0.120	0.955	0.960
		Level1	Right Tilt	0.760	0.124	0.032	0.099	0.885	0.891
WCDMA B2	Ant.1	Level1	Left Cheek	0.274	0.706	0.051	0.176	0.980	0.502

		Level1	Left Tilt	0.190	0.284	0.038	0.154	0.474	0.382
		Level1	Right Cheek	0.191	0.158	0.043	0.120	0.349	0.355
		Level1	Right Tilt	0.130	0.124	0.032	0.099	0.254	0.261
WCDMA B4	Ant.6	Level1	Left Cheek	0.459	0.706	0.051	0.176	1.165	0.686
		Level1	Left Tilt	0.350	0.284	0.038	0.154	0.634	0.543
		Level1	Right Cheek	0.668	0.158	0.043	0.120	0.826	0.831
		Level1	Right Tilt	0.481	0.124	0.032	0.099	0.605	0.612
WCDMA B4	Ant.1	Off	Left Cheek	0.128	0.706	0.051	0.176	0.834	0.355
		Off	Left Tilt	0.077	0.284	0.038	0.154	0.361	0.269
		Off	Right Cheek	0.094	0.158	0.043	0.120	0.252	0.257
		Off	Right Tilt	0.064	0.124	0.032	0.099	0.188	0.194
WCDMA B5	Ant.6	Level1	Left Cheek	0.589	0.706	0.051	0.176	1.295	0.817
		Level1	Left Tilt	0.492	0.284	0.038	0.154	0.776	0.685
		Level1	Right Cheek	0.808	0.158	0.043	0.120	0.966	0.971
		Level1	Right Tilt	0.732	0.124	0.032	0.099	0.856	0.863
WCDMA B5	Ant.1	Off	Left Cheek	0.214	0.706	0.051	0.176	0.920	0.441
		Off	Left Tilt	0.109	0.284	0.038	0.154	0.393	0.301
		Off	Right Cheek	0.130	0.158	0.043	0.120	0.288	0.293
		Off	Right Tilt	0.086	0.124	0.032	0.099	0.211	0.217
LTE B2	Ant.6	Level1	Left Cheek	0.284	0.706	0.051	0.176	0.990	0.511
		Level1	Left Tilt	0.236	0.284	0.038	0.154	0.519	0.428
		Level1	Right Cheek	0.565	0.158	0.043	0.120	0.723	0.728
		Level1	Right Tilt	0.433	0.124	0.032	0.099	0.558	0.564
LTE B2	Ant.1	Level1	Left Cheek	0.150	0.706	0.051	0.176	0.856	0.377
		Level1	Left Tilt	0.097	0.284	0.038	0.154	0.381	0.290
		Level1	Right Cheek	0.100	0.158	0.043	0.120	0.258	0.263
		Level1	Right Tilt	0.072	0.124	0.032	0.099	0.196	0.202
LTE B4	Ant.6	Level1	Left Cheek	0.451	0.706	0.051	0.176	1.157	0.678
		Level1	Left Tilt	0.362	0.284	0.038	0.154	0.645	0.554
		Level1	Right Cheek	0.625	0.158	0.043	0.120	0.783	0.788
		Level1	Right Tilt	0.503	0.124	0.032	0.099	0.627	0.634
LTE B4	Ant.1	Off	Left Cheek	0.138	0.706	0.051	0.176	0.844	0.365
		Off	Left Tilt	0.079	0.284	0.038	0.154	0.363	0.272
		Off	Right Cheek	0.103	0.158	0.043	0.120	0.261	0.266
		Off	Right Tilt	0.055	0.124	0.032	0.099	0.179	0.185
LTE B5	Ant.6	Level1	Left Cheek	0.418	0.706	0.051	0.176	1.124	0.645
		Level1	Left Tilt	0.337	0.284	0.038	0.154	0.621	0.530
		Level1	Right Cheek	0.620	0.158	0.043	0.120	0.778	0.783
		Level1	Right Tilt	0.511	0.124	0.032	0.099	0.636	0.642
LTE B5	Ant.1	Off	Left Cheek	0.190	0.706	0.051	0.176	0.896	0.417
		Off	Left Tilt	0.106	0.284	0.038	0.154	0.390	0.298
		Off	Right Cheek	0.120	0.158	0.043	0.120	0.278	0.283
		Off	Right Tilt	0.086	0.124	0.032	0.099	0.211	0.217
LTE B7	Ant.6	Level1	Left Cheek	0.498	0.706	0.051	0.176	1.204	0.725
		Level1	Left Tilt	0.487	0.284	0.038	0.154	0.771	0.680

		Level1	Right Cheek	0.491	0.158	0.043	0.120	0.649	0.654
		Level1	Right Tilt	0.534	0.124	0.032	0.099	0.658	0.664
LTE B7	Ant.1	Level1	Left Cheek	0.050	0.706	0.051	0.176	0.756	0.277
		Level1	Left Tilt	0.022	0.284	0.038	0.154	0.305	0.214
		Level1	Right Cheek	0.029	0.158	0.043	0.120	0.187	0.192
		Level1	Right Tilt	0.035	0.124	0.032	0.099	0.160	0.166
LTE B12	Ant.6	Off	Left Cheek	0.297	0.706	0.051	0.176	1.003	0.524
		Off	Left Tilt	0.220	0.284	0.038	0.154	0.504	0.413
		Off	Right Cheek	0.321	0.158	0.043	0.120	0.479	0.484
		Off	Right Tilt	0.250	0.124	0.032	0.099	0.374	0.380
LTE B12	Ant.1	Off	Left Cheek	0.065	0.706	0.051	0.176	0.771	0.292
		Off	Left Tilt	0.052	0.284	0.038	0.154	0.336	0.245
		Off	Right Cheek	0.086	0.158	0.043	0.120	0.244	0.249
		Off	Right Tilt	0.073	0.124	0.032	0.099	0.198	0.204
LTE B26	Ant.6	Level1	Left Cheek	0.452	0.706	0.051	0.176	1.158	0.679
		Level1	Left Tilt	0.367	0.284	0.038	0.154	0.651	0.559
		Level1	Right Cheek	0.676	0.158	0.043	0.120	0.834	0.839
		Level1	Right Tilt	0.595	0.124	0.032	0.099	0.719	0.726
LTE B26	Ant.1	Off	Left Cheek	0.116	0.706	0.051	0.176	0.822	0.343
		Off	Left Tilt	0.065	0.284	0.038	0.154	0.348	0.257
		Off	Right Cheek	0.062	0.158	0.043	0.120	0.220	0.225
		Off	Right Tilt	0.048	0.124	0.032	0.099	0.172	0.178
LTE B66	Ant.6	Level1	Left Cheek	0.131	0.706	0.051	0.176	0.837	0.358
		Level1	Left Tilt	0.128	0.284	0.038	0.154	0.412	0.321
		Level1	Right Cheek	0.281	0.158	0.043	0.120	0.439	0.444
		Level1	Right Tilt	0.266	0.124	0.032	0.099	0.391	0.397
LTE B66	Ant.1	Level1	Left Cheek	0.026	0.706	0.051	0.176	0.732	0.254
		Level1	Left Tilt	0.014	0.284	0.038	0.154	0.297	0.206
		Level1	Right Cheek	0.039	0.158	0.043	0.120	0.197	0.202
		Level1	Right Tilt	0.022	0.124	0.032	0.099	0.146	0.153
LTE B38	Ant.6	Level1	Left Cheek	0.289	0.706	0.051	0.176	0.995	0.516
		Level1	Left Tilt	0.293	0.284	0.038	0.154	0.577	0.485
		Level1	Right Cheek	0.289	0.158	0.043	0.120	0.447	0.452
		Level1	Right Tilt	0.347	0.124	0.032	0.099	0.471	0.478
LTE B38	Ant.1	Level1	Left Cheek	0.069	0.706	0.051	0.176	0.775	0.296
		Level1	Left Tilt	0.034	0.284	0.038	0.154	0.317	0.226
		Level1	Right Cheek	0.035	0.158	0.043	0.120	0.193	0.198
		Level1	Right Tilt	0.048	0.124	0.032	0.099	0.172	0.178
LTE B41	Ant.6	Level1	Left Cheek	0.460	0.706	0.051	0.176	1.166	0.687
		Level1	Left Tilt	0.449	0.284	0.038	0.154	0.733	0.642
		Level1	Right Cheek	0.438	0.158	0.043	0.120	0.596	0.601
		Level1	Right Tilt	0.512	0.124	0.032	0.099	0.636	0.642
LTE B41	Ant.1	Level1	Left Cheek	0.092	0.706	0.051	0.176	0.798	0.319
		Level1	Left Tilt	0.029	0.284	0.038	0.154	0.312	0.221
		Level1	Right Cheek	0.048	0.158	0.043	0.120	0.206	0.212

		Level1	Right Tilt	0.066	0.124	0.032	0.099	0.190	0.197
n41	Ant.4	Level1	Left Cheek	0.511	0.706	0.051	0.176	1.217	0.738
		Level1	Left Tilt	0.124	0.284	0.038	0.154	0.408	0.317
		Level1	Right Cheek	0.166	0.158	0.043	0.120	0.324	0.329
		Level1	Right Tilt	0.067	0.124	0.032	0.099	0.192	0.198

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

13.2.2 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)	Max 2.4G WIFI	Max 5G WIFI	Bluetooth	WWAN+ 2.4G WIFI	WWAN+ 2.4G WIFI+BT
2A+n41A	Ant.6	Level1	Ant.4	Level1	Left Chhek	0.306	0.284	0.590	0.706	0.051	0.176	**1.296**	0.817
		Level1		Level1	Left Tilt	0.076	0.236	0.311	0.284	0.038	0.154	0.595	0.504
		Level1		Level1	Right Cheek	0.101	0.565	0.665	0.158	0.043	0.120	0.823	0.828
		Level1		Level1	Right Tilt	0.041	0.433	0.474	0.124	0.032	0.099	0.599	0.605
2A+n41A	Ant.1	Level1	Ant.4	Level1	Left Chhek	0.306	0.150	0.456	0.706	0.051	0.176	1.162	0.683
		Level1		Level1	Left Tilt	0.076	0.097	0.173	0.284	0.038	0.154	0.457	0.365
		Level1		Level1	Right Cheek	0.101	0.100	0.200	0.158	0.043	0.120	0.358	0.363
		Level1		Level1	Right Tilt	0.041	0.072	0.113	0.124	0.032	0.099	0.237	0.243
66A+n41A	Ant.1	Level1	Ant.4	Level1	Left Chhek	0.306	0.131	0.437	0.706	0.051	0.176	1.143	0.664
		Level1		Level1	Left Tilt	0.076	0.128	0.204	0.284	0.038	0.154	0.488	0.396
		Level1		Level1	Right Cheek	0.101	0.281	0.381	0.158	0.043	0.120	0.539	0.544
		Level1		Level1	Right Tilt	0.041	0.266	0.307	0.124	0.032	0.099	0.432	0.438
66A+n41A	Ant.1	Level1	Ant.4	Level1	Left Chhek	0.306	0.026	0.332	0.706	0.051	0.176	1.038	0.560
		Level1		Level1	Left Tilt	0.076	0.014	0.089	0.284	0.038	0.154	0.373	0.282
		Level1		Level1	Right Cheek	0.101	0.039	0.140	0.158	0.043	0.120	0.298	0.303
		Level1		Level1	Right Tilt	0.041	0.022	0.063	0.124	0.032	0.099	0.187	0.194

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

13.2.3 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	Max 2.4G WIFI	Max 5G WIFI	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI+BT
GSM850	Ant.6	Level2	Front Side 15mm	0.097	0.052	0.169	0.037	0.148	0.303
		Level2	Back Side 15mm	0.091	0.067	0.283	0.039	0.158	0.413
GSM850	Ant.1	Off	Front Side 15mm	0.252	0.052	0.169	0.037	0.304	0.459
		Off	Back Side 15mm	0.269	0.067	0.283	0.039	0.336	0.591
GSM1900	Ant.6	Level2	Front Side 15mm	0.120	0.052	0.169	0.037	0.171	0.326
		Level2	Back Side 15mm	0.122	0.067	0.283	0.039	0.189	0.444
GSM1900	Ant.1	Off	Front Side 15mm	0.227	0.052	0.169	0.037	0.278	0.433
		Off	Back Side 15mm	0.215	0.067	0.283	0.039	0.281	0.536
CDMA BC0	Ant.6	Off	Front Side 15mm	0.093	0.052	0.169	0.037	0.144	0.299
		Off	Back Side 15mm	0.120	0.067	0.283	0.039	0.186	0.441
CDMA BC0	Ant.1	Off	Front Side 15mm	0.174	0.052	0.169	0.037	0.226	0.381
		Off	Back Side 15mm	0.193	0.067	0.283	0.039	0.260	0.515
CDMA BC1	Ant.6	Off	Front Side 15mm	0.094	0.052	0.169	0.037	0.146	0.300
		Off	Back Side 15mm	0.098	0.067	0.283	0.039	0.165	0.420
CDMA BC1	Ant.1	Off	Front Side 15mm	0.433	0.052	0.169	0.037	0.485	0.640
		Off	Back Side 15mm	0.410	0.067	0.283	0.039	0.477	**0.732**
WCDMA B2	Ant.6	Level2	Front Side 15mm	0.103	0.052	0.169	0.037	0.155	0.309
		Level2	Back Side 15mm	0.105	0.067	0.283	0.039	0.172	0.427
WCDMA B2	Ant.1	Level2	Front Side 15mm	0.383	0.052	0.169	0.037	0.435	0.589
		Level2	Back Side 15mm	0.377	0.067	0.283	0.039	0.444	0.699
WCDMA B4	Ant.6	Level2	Front Side 15mm	0.077	0.052	0.169	0.037	0.129	0.284
		Level2	Back Side 15mm	0.079	0.067	0.283	0.039	0.145	0.400
WCDMA B4	Ant.1	Off	Front Side 15mm	0.267	0.052	0.169	0.037	0.319	0.473
		Off	Back Side 15mm	0.242	0.067	0.283	0.039	0.308	0.563
WCDMA B5	Ant.6	Level2	Front Side 15mm	0.097	0.052	0.169	0.037	0.149	0.304
		Level2	Back Side 15mm	0.090	0.067	0.283	0.039	0.157	0.412
WCDMA B5	Ant.1	Off	Front Side 15mm	0.243	0.052	0.169	0.037	0.294	0.449
		Off	Back Side 15mm	0.263	0.067	0.283	0.039	0.330	0.585
LTE B2	Ant.6	Level2	Front Side 15mm	0.058	0.052	0.169	0.037	0.109	0.264
		Level2	Back Side 15mm	0.073	0.067	0.283	0.039	0.140	0.395
LTE B2	Ant.1	Level2	Front Side 15mm	0.314	0.052	0.169	0.037	0.366	0.521
		Level2	Back Side 15mm	0.299	0.067	0.283	0.039	0.366	0.621
LTE B4	Ant.6	Level2	Front Side 15mm	0.061	0.052	0.169	0.037	0.113	0.267
		Level2	Back Side 15mm	0.058	0.067	0.283	0.039	0.125	0.380
LTE B4	Ant.1	Off	Front Side 15mm	0.251	0.052	0.169	0.037	0.303	0.458
		Off	Back Side 15mm	0.238	0.067	0.283	0.039	0.305	0.560
LTE B5	Ant.6	Level2	Front Side 15mm	0.083	0.052	0.169	0.037	0.135	0.290
		Level2	Back Side 15mm	0.061	0.067	0.283	0.039	0.128	0.383
LTE B5	Ant.1	Off	Front Side 15mm	0.158	0.052	0.169	0.037	0.210	0.365

		Off	Back Side 15mm	0.182	0.067	0.283	0.039	0.248	0.503
LTE B7	Ant.6	Level2	Front Side 15mm	0.077	0.052	0.169	0.037	0.128	0.283
		Level2	Back Side 15mm	0.103	0.067	0.283	0.039	0.169	0.424
LTE B7	Ant.1	Level2	Front Side 15mm	0.253	0.052	0.169	0.037	0.304	0.459
		Level2	Back Side 15mm	0.268	0.067	0.283	0.039	0.335	0.590
LTE B12	Ant.6	Off	Front Side 15mm	0.065	0.052	0.169	0.037	0.117	0.271
		Off	Back Side 15mm	0.029	0.067	0.283	0.039	0.096	0.351
LTE B12	Ant.1	Off	Front Side 15mm	0.026	0.052	0.169	0.037	0.077	0.232
		Off	Back Side 15mm	0.049	0.067	0.283	0.039	0.116	0.371
LTE B26	Ant.6	Level2	Front Side 15mm	0.069	0.052	0.169	0.037	0.120	0.275
		Level2	Back Side 15mm	0.063	0.067	0.283	0.039	0.130	0.385
LTE B26	Ant.1	Off	Front Side 15mm	0.098	0.052	0.169	0.037	0.149	0.304
		Off	Back Side 15mm	0.110	0.067	0.283	0.039	0.176	0.431
LTE B66	Ant.6	Level2	Front Side 15mm	0.016	0.052	0.169	0.037	0.068	0.222
		Level2	Back Side 15mm	0.016	0.067	0.283	0.039	0.083	0.337
LTE B66	Ant.1	Level2	Front Side 15mm	0.078	0.052	0.169	0.037	0.130	0.284
		Level2	Back Side 15mm	0.076	0.067	0.283	0.039	0.142	0.397
LTE B38	Ant.6	Level2	Front Side 15mm	0.045	0.052	0.169	0.037	0.097	0.252
		Level2	Back Side 15mm	0.052	0.067	0.283	0.039	0.118	0.373
LTE B38	Ant.1	Level2	Front Side 15mm	0.196	0.052	0.169	0.037	0.247	0.402
		Level2	Back Side 15mm	0.207	0.067	0.283	0.039	0.273	0.528
LTE B41	Ant.6	Level2	Front Side 15mm	0.067	0.052	0.169	0.037	0.118	0.273
		Level2	Back Side 15mm	0.078	0.067	0.283	0.039	0.145	0.400
LTE B41	Ant.1	Level2	Front Side 15mm	0.179	0.052	0.169	0.037	0.231	0.386
		Level2	Back Side 15mm	0.198	0.067	0.283	0.039	0.264	0.519
n41	Ant.4	Level2	Front Side 15mm	0.042	0.052	0.169	0.037	0.094	0.248
		Level2	Back Side 15mm	0.043	0.067	0.283	0.039	0.110	0.365

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

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

ED-DC Configuratoin	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)	Max 2.4G WIFI	Max 5G WIFI	Bluetooth	WWAN+ 2.4G WIFI	WWAN+ 2.4G WIFI+BT
2A+n41A	Ant.6	Level2	Ant.4	Level2	Front Side 15mm	0.025	0.058	0.083	0.052	0.169	0.037	0.134	0.289
		Level2		Level2	Back Side 15mm	0.026	0.073	0.099	0.067	0.283	0.039	0.165	0.420
2A+n41A	Ant.1	Level2	Ant.4	Level2	Front Side 15mm	0.025	0.314	0.339	0.052	0.169	0.037	0.391	0.545
		Level2		Level2	Back Side 15mm	0.026	0.299	0.325	0.067	0.283	0.039	0.391	**0.646**
2A+n41A	Ant.6	Level2	Ant.4	Level2	Front Side 15mm	0.025	0.016	0.041	0.052	0.169	0.037	0.092	0.247
		Level2		Level2	Back Side 15mm	0.026	0.016	0.042	0.067	0.283	0.039	0.108	0.363
2A+n41A	Ant.1	Level2	Ant.4	Level2	Front Side 15mm	0.025	0.078	0.103	0.052	0.169	0.037	0.155	0.309
		Level2		Level2	Back Side 15mm	0.026	0.076	0.102	0.067	0.283	0.039	0.168	0.423

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

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

Band	Antenna	Position	Position	Stand alone SAR				SUM SAR	
				1	2	3	4	1+2	1+3+4
				WWAN	Max 2.4G WIFI	Max 5G WIFI	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI+BT
GSM850	Ant.6	Level2	Front Side 10mm	0.197	0.101	0.059	0.066	0.298	0.322
		Level2	Back Side 10mm	0.185	0.102	0.159	0.062	0.287	0.406
		Level2	Left Edge 10mm	0.016	0.142	0.093	0.109	0.158	0.218
		Level2	Right Edge 10mm	0.085	0.033	0.055	0.034	0.118	0.174
		Level2	Top Edge 10mm	0.168	0.020	0.043	0.055	0.188	0.266
GSM850	Ant.1	Off	Front Side 10mm	0.452	0.101	0.059	0.066	0.553	0.576
		Off	Back Side 10mm	0.484	0.102	0.159	0.062	0.586	0.704
		Off	Left Edge 10mm	0.075	0.142	0.093	0.109	0.217	0.277
		Off	Right Edge 10mm	0.195	0.033	0.055	0.034	0.228	0.284
		Off	Bottom Edge 10mm	0.463	0.020	0.036	0.003	0.483	0.502
GSM1900	Ant.6	Level2	Front Side 10mm	0.194	0.101	0.059	0.066	0.295	0.319
		Level2	Back Side 10mm	0.202	0.102	0.159	0.062	0.304	0.423
		Level2	Left Edge 10mm	0.026	0.142	0.093	0.109	0.168	0.228
		Level2	Right Edge 10mm	0.146	0.033	0.055	0.034	0.179	0.236
		Level2	Top Edge 10mm	0.093	0.020	0.043	0.055	0.113	0.192
GSM1900	Ant.1	Off	Front Side 10mm	0.378	0.101	0.059	0.066	0.479	0.503
		Off	Back Side 10mm	0.365	0.102	0.159	0.062	0.466	0.585
		Off	Left Edge 10mm	0.049	0.142	0.093	0.109	0.191	0.251
		Off	Right Edge 10mm	0.285	0.033	0.055	0.034	0.318	0.375
		Off	Bottom Edge 10mm	0.193	0.020	0.036	0.003	0.214	0.233
CDMA BC0	Ant.6	Off	Front Side 10mm	0.052	0.101	0.059	0.066	0.153	0.177
		Off	Back Side 10mm	0.047	0.102	0.159	0.062	0.149	0.268
		Off	Left Edge 10mm	0.035	0.142	0.093	0.109	0.177	0.237
		Off	Right Edge 10mm	0.024	0.033	0.055	0.034	0.057	0.113
		Off	Top Edge 10mm	0.080	0.020	0.043	0.055	0.100	0.179
CDMA BC0	Ant.1	Off	Front Side 10mm	0.205	0.101	0.059	0.066	0.306	0.330
		Off	Back Side 10mm	0.248	0.102	0.159	0.062	0.350	0.469
		Off	Left Edge 10mm	0.017	0.142	0.093	0.109	0.160	0.219
		Off	Right Edge 10mm	0.095	0.033	0.055	0.034	0.128	0.184
		Off	Bottom Edge 10mm	0.225	0.020	0.036	0.003	0.245	0.264
CDMA BC1	Ant.6	Off	Front Side 10mm	0.103	0.101	0.059	0.066	0.204	0.228
		Off	Back Side 10mm	0.095	0.102	0.159	0.062	0.197	0.316
		Off	Left Edge 10mm	0.030	0.142	0.093	0.109	0.173	0.232
		Off	Right Edge 10mm	0.077	0.033	0.055	0.034	0.110	0.166
		Off	Top Edge 10mm	0.042	0.020	0.043	0.055	0.062	0.141
CDMA BC1	Ant.1	Off	Front Side 10mm	0.725	0.101	0.059	0.066	0.827	0.850
		Off	Back Side 10mm	0.665	0.102	0.159	0.062	0.766	0.885
		Off	Left Edge 10mm	0.086	0.142	0.093	0.109	0.229	0.288
		Off	Right Edge 10mm	0.501	0.033	0.055	0.034	0.534	0.590

		Off	Bottom Edge 10mm	0.365	0.020	0.036	0.003	0.385	0.404
WCDMA B2	Ant.6	Level2	Front Side 10mm	0.175	0.101	0.059	0.066	0.276	0.300
		Level2	Back Side 10mm	0.174	0.102	0.159	0.062	0.276	0.394
		Level2	Left Edge 10mm	0.022	0.142	0.093	0.109	0.164	0.224
		Level2	Right Edge 10mm	0.125	0.033	0.055	0.034	0.158	0.214
		Level2	Top Edge 10mm	0.076	0.020	0.043	0.055	0.096	0.174
WCDMA B2	Ant.1	Level2	Front Side 10mm	0.913	0.101	0.059	0.066	1.014	**1.038**
		Level2	Back Side 10mm	0.796	0.102	0.159	0.062	0.898	1.016
		Level2	Left Edge 10mm	0.116	0.142	0.093	0.109	0.258	0.318
		Level2	Right Edge 10mm	0.663	0.033	0.055	0.034	0.696	0.752
		Level2	Bottom Edge 10mm	0.497	0.020	0.036	0.003	0.517	0.536
WCDMA B4	Ant.6	Level2	Front Side 10mm	0.121	0.101	0.059	0.066	0.222	0.246
		Level2	Back Side 10mm	0.123	0.102	0.159	0.062	0.224	0.343
		Level2	Left Edge 10mm	0.014	0.142	0.093	0.109	0.156	0.216
		Level2	Right Edge 10mm	0.094	0.033	0.055	0.034	0.127	0.183
		Level2	Top Edge 10mm	0.067	0.020	0.043	0.055	0.087	0.165
WCDMA B4	Ant.1	Off	Front Side 10mm	0.487	0.101	0.059	0.066	0.588	0.612
		Off	Back Side 10mm	0.465	0.102	0.159	0.062	0.567	0.685
		Off	Left Edge 10mm	0.059	0.142	0.093	0.109	0.202	0.261
		Off	Right Edge 10mm	0.325	0.033	0.055	0.034	0.358	0.414
		Off	Bottom Edge 10mm	0.318	0.020	0.036	0.003	0.338	0.357
WCDMA B5	Ant.6	Level2	Front Side 10mm	0.197	0.101	0.059	0.066	0.298	0.322
		Level2	Back Side 10mm	0.185	0.102	0.159	0.062	0.287	0.405
		Level2	Left Edge 10mm	0.016	0.142	0.093	0.109	0.158	0.218
		Level2	Right Edge 10mm	0.077	0.033	0.055	0.034	0.110	0.166
		Level2	Top Edge 10mm	0.174	0.020	0.043	0.055	0.194	0.273
WCDMA B5	Ant.1	Off	Front Side 10mm	0.464	0.101	0.059	0.066	0.565	0.588
		Off	Back Side 10mm	0.499	0.102	0.159	0.062	0.600	0.719
		Off	Left Edge 10mm	0.073	0.142	0.093	0.109	0.215	0.275
		Off	Right Edge 10mm	0.207	0.033	0.055	0.034	0.240	0.297
		Off	Bottom Edge 10mm	0.489	0.020	0.036	0.003	0.509	0.528
LTE B2	Ant.6	Level2	Front Side 10mm	0.102	0.101	0.059	0.066	0.203	0.227
		Level2	Back Side 10mm	0.107	0.102	0.159	0.062	0.208	0.327
		Level2	Left Edge 10mm	0.015	0.142	0.093	0.109	0.157	0.217
		Level2	Right Edge 10mm	0.069	0.033	0.055	0.034	0.102	0.158
		Level2	Top Edge 10mm	0.047	0.020	0.043	0.055	0.067	0.145
LTE B2	Ant.1	Level2	Front Side 10mm	0.495	0.101	0.059	0.066	0.596	0.620
		Level2	Back Side 10mm	0.476	0.102	0.159	0.062	0.578	0.696
		Level2	Left Edge 10mm	0.067	0.142	0.093	0.109	0.209	0.269
		Level2	Right Edge 10mm	0.373	0.033	0.055	0.034	0.406	0.462
		Level2	Bottom Edge 10mm	0.308	0.020	0.036	0.003	0.328	0.347
LTE B4	Ant.6	Level2	Front Side 10mm	0.118	0.101	0.059	0.066	0.219	0.243
		Level2	Back Side 10mm	0.121	0.102	0.159	0.062	0.222	0.341
		Level2	Left Edge 10mm	0.015	0.142	0.093	0.109	0.157	0.217
		Level2	Right Edge 10mm	0.089	0.033	0.055	0.034	0.122	0.179

		Level2	Top Edge 10mm	0.072	0.020	0.043	0.055	0.092	0.170
LTE B4	Ant.1	Off	Front Side 10mm	0.538	0.101	0.059	0.066	0.639	0.663
		Off	Back Side 10mm	0.462	0.102	0.159	0.062	0.564	0.683
		Off	Left Edge 10mm	0.052	0.142	0.093	0.109	0.194	0.254
		Off	Right Edge 10mm	0.293	0.033	0.055	0.034	0.326	0.382
		Off	Bottom Edge 10mm	0.360	0.020	0.036	0.003	0.381	0.400
LTE B5	Ant.6	Level2	Front Side 10mm	0.168	0.101	0.059	0.066	0.269	0.293
		Level2	Back Side 10mm	0.156	0.102	0.159	0.062	0.257	0.376
		Level2	Left Edge 10mm	0.000	0.142	0.093	0.109	0.142	0.202
		Level2	Right Edge 10mm	0.075	0.033	0.055	0.034	0.108	0.164
		Level2	Top Edge 10mm	0.147	0.020	0.043	0.055	0.167	0.245
LTE B5	Ant.1	Off	Front Side 10mm	0.315	0.101	0.059	0.066	0.417	0.440
		Off	Back Side 10mm	0.391	0.102	0.159	0.062	0.493	0.612
		Off	Left Edge 10mm	0.054	0.142	0.093	0.109	0.196	0.255
		Off	Right Edge 10mm	0.130	0.033	0.055	0.034	0.163	0.220
		Off	Bottom Edge 10mm	0.334	0.020	0.036	0.003	0.354	0.373
LTE B7	Ant.6	Level2	Front Side 10mm	0.144	0.101	0.059	0.066	0.245	0.269
		Level2	Back Side 10mm	0.166	0.102	0.159	0.062	0.268	0.387
		Level2	Left Edge 10mm	0.015	0.142	0.093	0.109	0.158	0.217
		Level2	Right Edge 10mm	0.035	0.033	0.055	0.034	0.068	0.125
		Level2	Top Edge 10mm	0.240	0.020	0.043	0.055	0.260	0.338
LTE B7	Ant.1	Level2	Front Side 10mm	0.477	0.101	0.059	0.066	0.578	0.602
		Level2	Back Side 10mm	0.499	0.102	0.159	0.062	0.601	0.719
		Level2	Left Edge 10mm	0.128	0.142	0.093	0.109	0.271	0.330
		Level2	Right Edge 10mm	0.188	0.033	0.055	0.034	0.221	0.278
		Level2	Bottom Edge 10mm	0.939	0.020	0.036	0.003	0.959	0.978
LTE B12	Ant.6	Off	Front Side 10mm	0.075	0.101	0.059	0.066	0.176	0.200
		Off	Back Side 10mm	0.065	0.102	0.159	0.062	0.167	0.285
		Off	Left Edge 10mm	0.029	0.142	0.093	0.109	0.172	0.231
		Off	Right Edge 10mm	0.020	0.033	0.055	0.034	0.053	0.110
		Off	Top Edge 10mm	0.060	0.020	0.043	0.055	0.080	0.158
LTE B12	Ant.1	Off	Front Side 10mm	0.087	0.101	0.059	0.066	0.188	0.212
		Off	Back Side 10mm	0.111	0.102	0.159	0.062	0.213	0.332
		Off	Left Edge 10mm	0.027	0.142	0.093	0.109	0.169	0.229
		Off	Right Edge 10mm	0.071	0.033	0.055	0.034	0.104	0.160
		Off	Bottom Edge 10mm	0.098	0.020	0.036	0.003	0.118	0.137
LTE B26	Ant.6	Level2	Front Side 10mm	0.139	0.101	0.059	0.066	0.240	0.264
		Level2	Back Side 10mm	0.128	0.102	0.159	0.062	0.230	0.349
		Level2	Left Edge 10mm	0.016	0.142	0.093	0.109	0.158	0.218
		Level2	Right Edge 10mm	0.046	0.033	0.055	0.034	0.079	0.135
		Level2	Top Edge 10mm	0.123	0.020	0.043	0.055	0.143	0.221
LTE B26	Ant.1	Off	Front Side 10mm	0.202	0.101	0.059	0.066	0.303	0.327
		Off	Back Side 10mm	0.239	0.102	0.159	0.062	0.341	0.459
		Off	Left Edge 10mm	0.017	0.142	0.093	0.109	0.159	0.219
		Off	Right Edge 10mm	0.099	0.033	0.055	0.034	0.132	0.188

		Off	Bottom Edge 10mm	0.210	0.020	0.036	0.003	0.230	0.249
LTE B66	Ant.6	Level2	Front Side 10mm	0.041	0.101	0.059	0.066	0.142	0.166
		Level2	Back Side 10mm	0.041	0.102	0.159	0.062	0.143	0.262
		Level2	Left Edge 10mm	0.017	0.142	0.093	0.109	0.159	0.219
		Level2	Right Edge 10mm	0.011	0.033	0.055	0.034	0.044	0.100
		Level2	Top Edge 10mm	0.053	0.020	0.043	0.055	0.073	0.151
LTE B66	Ant.1	Level2	Front Side 10mm	0.145	0.101	0.059	0.066	0.246	0.270
		Level2	Back Side 10mm	0.129	0.102	0.159	0.062	0.230	0.349
		Level2	Left Edge 10mm	0.000	0.142	0.093	0.109	0.142	0.202
		Level2	Right Edge 10mm	0.028	0.033	0.055	0.034	0.061	0.118
		Level2	Bottom Edge 10mm	0.296	0.020	0.036	0.003	0.316	0.335
LTE B38	Ant.6	Level2	Front Side 10mm	0.087	0.101	0.059	0.066	0.188	0.212
		Level2	Back Side 10mm	0.099	0.102	0.159	0.062	0.200	0.319
		Level2	Left Edge 10mm	0.013	0.142	0.093	0.109	0.155	0.215
		Level2	Right Edge 10mm	0.024	0.033	0.055	0.034	0.057	0.113
		Level2	Top Edge 10mm	0.133	0.020	0.043	0.055	0.153	0.232
LTE B38	Ant.1	Level2	Front Side 10mm	0.334	0.101	0.059	0.066	0.435	0.459
		Level2	Back Side 10mm	0.377	0.102	0.159	0.062	0.479	0.598
		Level2	Left Edge 10mm	0.068	0.142	0.093	0.109	0.210	0.270
		Level2	Right Edge 10mm	0.138	0.033	0.055	0.034	0.171	0.228
		Level2	Bottom Edge 10mm	0.596	0.020	0.036	0.003	0.616	0.635
LTE B41	Ant.6	Level2	Front Side 10mm	0.123	0.101	0.059	0.066	0.224	0.248
		Level2	Back Side 10mm	0.144	0.102	0.159	0.062	0.245	0.364
		Level2	Left Edge 10mm	0.043	0.142	0.093	0.109	0.185	0.245
		Level2	Right Edge 10mm	0.030	0.033	0.055	0.034	0.063	0.119
		Level2	Top Edge 10mm	0.269	0.020	0.043	0.055	0.289	0.367
LTE B41	Ant.1	Level2	Front Side 10mm	0.330	0.101	0.059	0.066	0.431	0.455
		Level2	Back Side 10mm	0.352	0.102	0.159	0.062	0.454	0.573
		Level2	Left Edge 10mm	0.063	0.142	0.093	0.109	0.205	0.265
		Level2	Right Edge 10mm	0.109	0.033	0.055	0.034	0.142	0.198
		Level2	Bottom Edge 10mm	0.550	0.020	0.036	0.003	0.570	0.589
n41	Ant.4	Level2	Front Side 10mm	0.134	0.101	0.059	0.066	0.235	0.259
		Level2	Back Side 10mm	0.107	0.102	0.159	0.062	0.209	0.327
		Level2	Left Edge 10mm	0.267	0.142	0.093	0.109	0.409	0.468
		Level2	Top Edge 10mm	0.011	0.020	0.043	0.055	0.031	0.109

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

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

ED-DC Configuratoin	NR Ant.	Power Reduction	LTE Ant.	Power Reduction	Position	Stand alone SAR						SUM SAR	
						NR Band	LTE Band	1 ENDC (LTE+NR)	2 Max 2.4G WIFI	3 Max 5G WIFI	4 Bluetooth	1+2 WWAN+2.4G WIFI	1+3+4 WWAN+2.4G WIFI+BT
2A+n41A	Ant.6	Level2	Ant.4	Level2	Front Side 10mm	0.081	0.102	0.183	0.101	0.059	0.066	0.284	0.308
		Level2		Level2	Back Side 10mm	0.068	0.107	0.175	0.102	0.159	0.062	0.277	0.395
		Level2		Level2	Left Edge 10mm	0.160	0.015	0.175	0.142	0.093	0.109	0.317	0.377
		Level2		Level2	Right Edge 10mm	/	0.069	/	0.033	0.055	0.034	/	/
		Level2		Level2	Top Edge 10mm	0.007	0.047	0.053	0.020	0.043	0.055	0.073	0.152
		Level2		Level2	Bottom Edge 10mm	/	/	/	0.000	0.036	0.003	/	/
2A+n41A	Ant.1	Level2	Ant.4	Level2	Front Side 10mm	0.081	0.495	0.576	0.101	0.059	0.066	0.677	0.701
		Level2		Level2	Back Side 10mm	0.068	0.476	0.544	0.102	0.159	0.062	0.646	**0.765**
		Level2		Level2	Left Edge 10mm	0.160	0.067	0.227	0.142	0.093	0.109	0.369	0.429
		Level2		Level2	Right Edge 10mm	/	0.373	/	0.033	0.055	0.034	/	/
		Level2		Level2	Top Edge 10mm	0.007	/	/	0.020	0.043	0.055	/	/
		Level2		Level2	Bottom Edge 10mm	/	0.308	/	0.000	0.036	0.003	/	/
66A+n41A	Ant.6	Level2	Ant.4	Level2	Front Side 10mm	0.081	0.041	0.122	0.101	0.059	0.066	0.223	0.247
		Level2		Level2	Back Side 10mm	0.068	0.041	0.109	0.102	0.159	0.062	0.211	0.330
		Level2		Level2	Left Edge 10mm	0.160	0.017	0.177	0.142	0.093	0.109	0.319	0.379
		Level2		Level2	Right Edge 10mm	/	0.011	/	0.033	0.055	0.034	/	/
		Level2		Level2	Top Edge 10mm	0.007	0.053	0.060	0.020	0.043	0.055	0.080	0.158
		Level2		Level2	Bottom Edge 10mm	/	/	/	0.000	0.036	0.003	/	/
66A+n41A	Ant.1	Level2	Ant.4	Level2	Front Side 10mm	0.081	0.145	0.226	0.101	0.059	0.066	0.327	0.351
		Level2		Level2	Back Side 10mm	0.068	0.129	0.197	0.102	0.159	0.062	0.298	0.417
		Level2		Level2	Left Edge 10mm	0.160	0.000	0.160	0.142	0.093	0.109	0.302	0.362
		Level2		Level2	Right Edge 10mm	/	0.028	/	0.033	0.055	0.034	/	/
		Level2		Level2	Top Edge 10mm	0.007	/	/	0.020	0.043	0.055	/	/
		Level2		Level2	Bottom Edge 10mm	/	0.296	/	0.000	0.036	0.003	/	/

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

13.2.7 Specific 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	Max 2.4G WIFI	Max 5G WIFI	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI+BT
LTE B7	Ant.6	Level3	Top Edge 0mm	0.660	/	0.129	/	0.660	**0.788**
LTE B38	Ant.6	Level3	Top Edge 0mm	0.366	/	0.129	/	0.366	0.495
LTE B41	Ant.6	Level3	Top Edge 0mm	0.256	/	0.129	/	0.256	0.384
n41	Ant.4	Level3	Top Edge 0mm	0.256	/	0.129	/	0.256	0.384

Note:

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

2: The highest Summed 10g SAR is 0.788 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

14 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1201	2020/11/11	2023/11/10
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2021/05/17	2024/05/16
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2021/05/17	2024/05/16
1900MHz Validation Dipole	Speag	D1900V2	SN: 5d193	2021/05/20	2024/05/19
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2021/05/19	2024/05/18
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2021/05/19	2024/05/18
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2021/05/18	2024/05/17
E-Field Probe	Speag	EX3DV4	SN: 7510	2020/11/30	2021/11/29
Data Acquisition Electronics	Speag	DAE4	SN: 1454	2020/11/06	2021/11/05
Signal Generator	R&S	SMB100A	182396	2020/12/21	2021/12/20
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2020/09/25	2021/09/24
Power Sensor	R&S	NRV-Z4	100381	2020/09/25	2021/09/24
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	2020/12/24	2021/12/23
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	SATIMO	SCLMP	SN 25/13 OCPG56	N/A	N/A
Phantom1	Speag	SAM	SN: 1859	N/A	N/A
Phantom2	Speag	SAM	SN: 1857	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

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

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

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

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

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2021.07.29	Head	750	21.9	0.91	41.34	0.89	41.94	2.25	-1.43
2021.07.19	Head	835	20.8	0.88	41.66	0.90	41.50	-2.22	0.39
2021.07.10	Head	835	21.5	0.88	42.33	0.90	41.50	-2.22	2.00
2021.07.11	Head	835	21.7	0.91	41.40	0.90	41.50	1.11	-0.24
2021.07.20	Head	1750	21.3	1.38	39.65	1.37	40.08	0.73	-1.07
2021.07.12	Head	1750	21.2	1.39	39.22	1.37	40.08	1.46	-2.15
2021.07.21	Head	1750	21.5	1.41	39.16	1.37	40.08	2.92	-2.30
2021.07.22	Head	1900	21.6	1.42	39.66	1.40	40.00	1.43	-0.85
2021.07.13	Head	1900	21.3	1.38	39.77	1.40	40.00	-1.43	-0.57
2021.07.23	Head	2450	20.7	1.82	39.46	1.80	39.20	1.11	0.66
2021.08.15	Head	2450	21.4	1.80	39.04	1.80	39.20	0.00	-0.41
2021.07.14	Head	2600	21.4	2.01	38.25	1.96	39.01	2.55	-1.95
2021.07.15	Head	2600	21.6	1.99	39.16	1.96	39.01	1.53	0.38
2021.07.25	Head	2600	21.1	1.93	38.23	1.96	39.01	-1.53	-2.00
2021.07.16	Head	2600	21.6	1.97	39.52	1.96	39.01	0.51	1.31
2021.08.06	Head	2600	21.2	1.93	38.21	1.96	39.01	-1.53	-2.05
2021.08.14	Head	2600	21.3	1.98	38.54	1.96	39.01	1.02	-1.20
2021.07.18	Head	5250	21.7	4.64	36.59	4.71	35.93	-1.49	1.84
2021.08.07	Head	5250	21.3	4.57	36.77	4.71	35.93	-2.97	2.34
2021.07.28	Head	5600	21.1	5.07	34.69	5.07	35.53	0.00	-2.36
2021.08.09	Head	5600	21.5	5.17	35.56	5.07	35.53	1.97	0.08
2021.07.20	Head	5750	21.3	5.27	35.98	5.22	35.36	0.96	1.75
2021.08.10	Head	5750	21.2	5.22	35.12	5.22	35.36	0.00	-0.68
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	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2021.07.29	Head	750	100	0.853	8.53	8.29	2.90
2021.07.19	Head	835	100	0.943	9.43	9.76	-3.38
2021.07.10	Head	835	100	0.915	9.15	9.76	-6.25
2021.07.11	Head	835	100	0.943	9.43	9.76	-3.38
2021.07.20	Head	1750	100	3.680	36.80	36.70	0.27
2021.07.12	Head	1750	100	3.560	35.60	36.70	-3.00
2021.07.21	Head	1750	100	3.780	37.80	36.70	3.00
2021.07.22	Head	1900	100	4.110	41.10	40.30	1.99
2021.07.13	Head	1900	100	3.910	39.10	40.30	-2.98
2021.07.23	Head	2450	100	5.050	50.50	53.00	-4.72
2021.08.15	Head	2450	100	5.120	51.20	53.00	-3.40
2021.07.14	Head	2600	100	5.550	55.50	56.80	-2.29
2021.07.15	Head	2600	100	5.540	55.40	56.80	-2.46
2021.07.25	Head	2600	100	5.490	54.90	56.80	-3.35
2021.07.16	Head	2600	100	5.460	54.60	56.80	-3.87
2021.08.06	Head	2600	100	5.520	55.20	56.80	-2.82
2021.08.14	Head	2600	100	5.420	54.20	56.80	-4.58
2021.07.18	Head	5250	100	7.530	75.30	77.80	-3.21
2021.08.07	Head	5250	100	7.330	73.30	77.80	-5.78
2021.07.28	Head	5600	100	8.450	84.50	81.20	4.06
2021.08.09	Head	5600	100	8.460	84.60	81.20	4.19
2021.07.20	Head	5750	100	8.250	82.50	77.20	6.87
2021.08.10	Head	5750	100	8.250	82.50	77.20	6.87
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2021.07.13	Head	1900	100	2.060	20.60	20.30	1.48
2021.07.14	Head	2600	100	2.430	24.30	24.80	-2.02
Note: The tolerance limit of System validation ±10%.							

System Performance Check Data (750MHz)

Date: 2021.07.29

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.907 S/m; ε_r = 41.335; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.9

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.31, 10.31, 10.31); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.906 W/kg

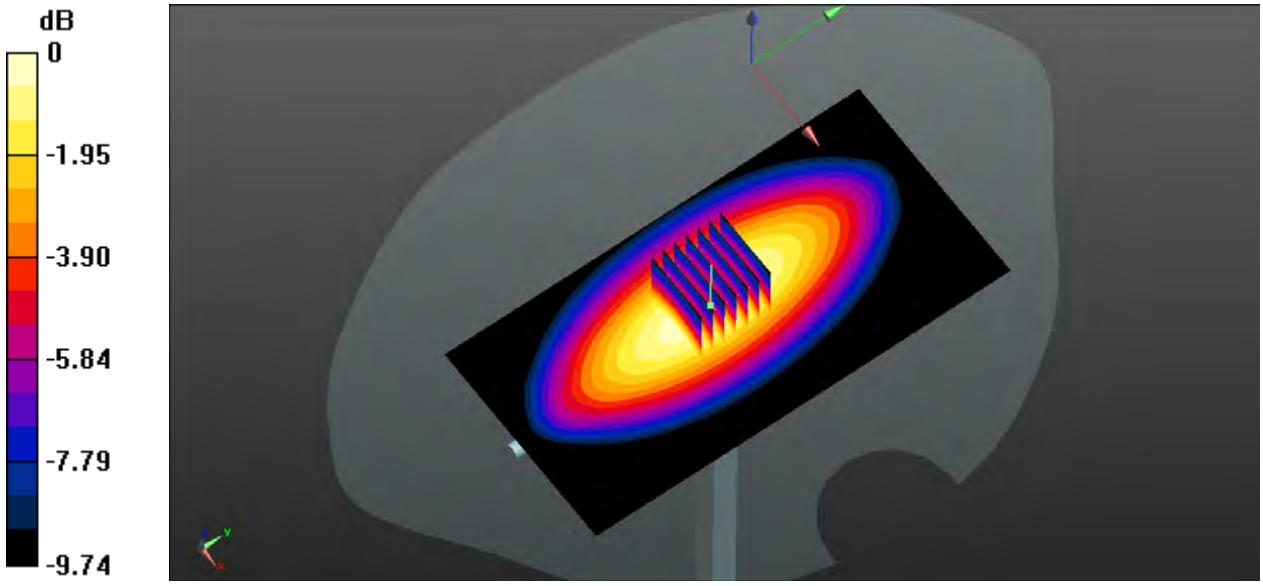
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.15 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.853 W/kg; SAR(10 g) = 0.572 W/kg

Maximum value of SAR (measured) = 0.913 W/kg



0 dB = 0.913 W/kg

System Performance Check Data (835MHz)

Date: 2021.07.19

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

Medium parameters used: f = 835 MHz; σ = 0.881 S/m; ε_r = 41.655; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:20.8

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

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

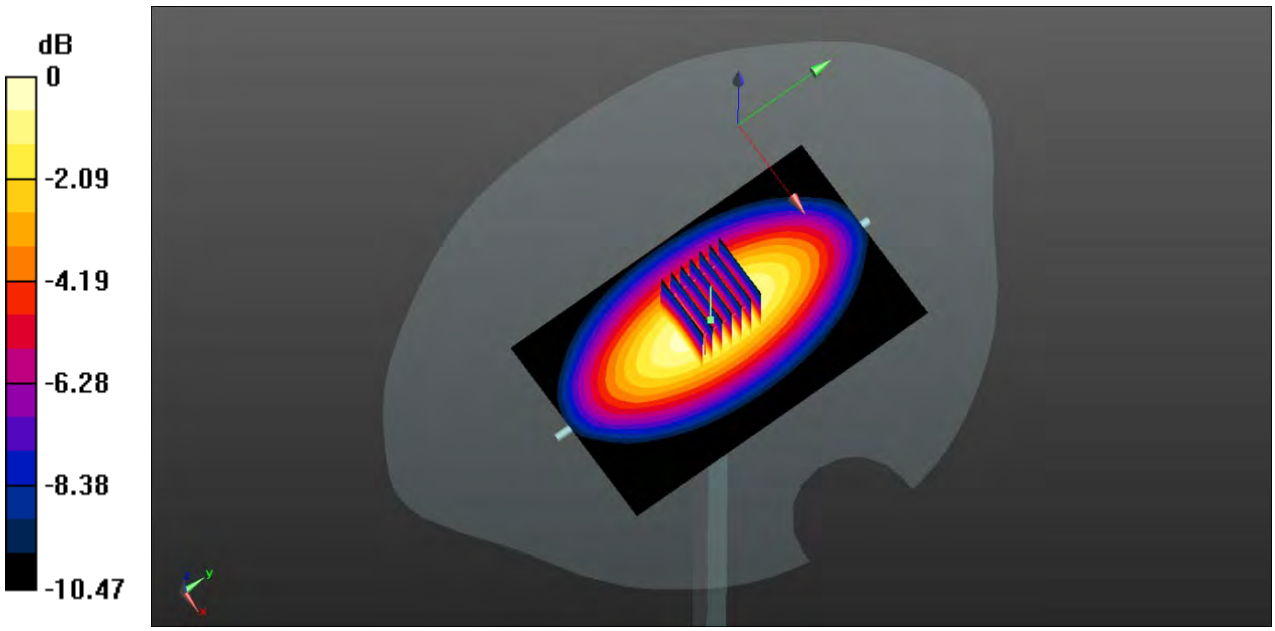
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.25 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.943 W/kg; SAR(10 g) = 0.618 W/kg

Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg

System Performance Check Data (835MHz)

Date: 2021.07.10

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 = 42.329; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.985 W/kg

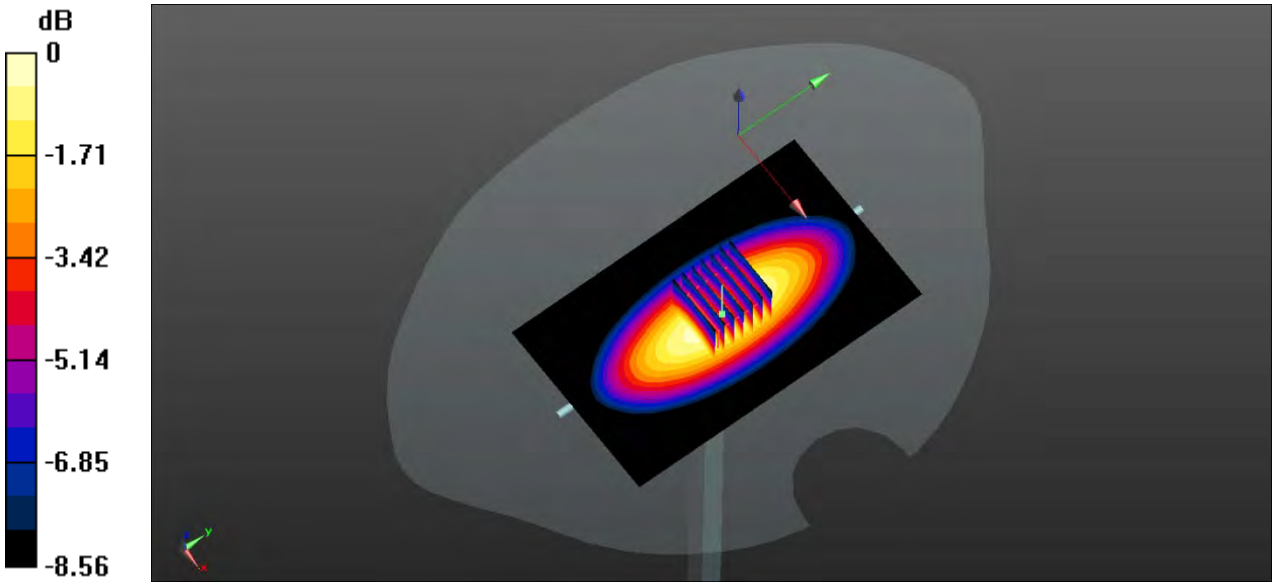
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.17 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.628 W/kg

Maximum value of SAR (measured) = 0.984 W/kg



0 dB = 0.984 W/kg

System Performance Check Data (835MHz)

Date: 2021.07.11

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

Medium parameters used: f = 835 MHz; σ = 0.913 S/m; ε_r = 41.397; ρ = 1000 kg/m^3

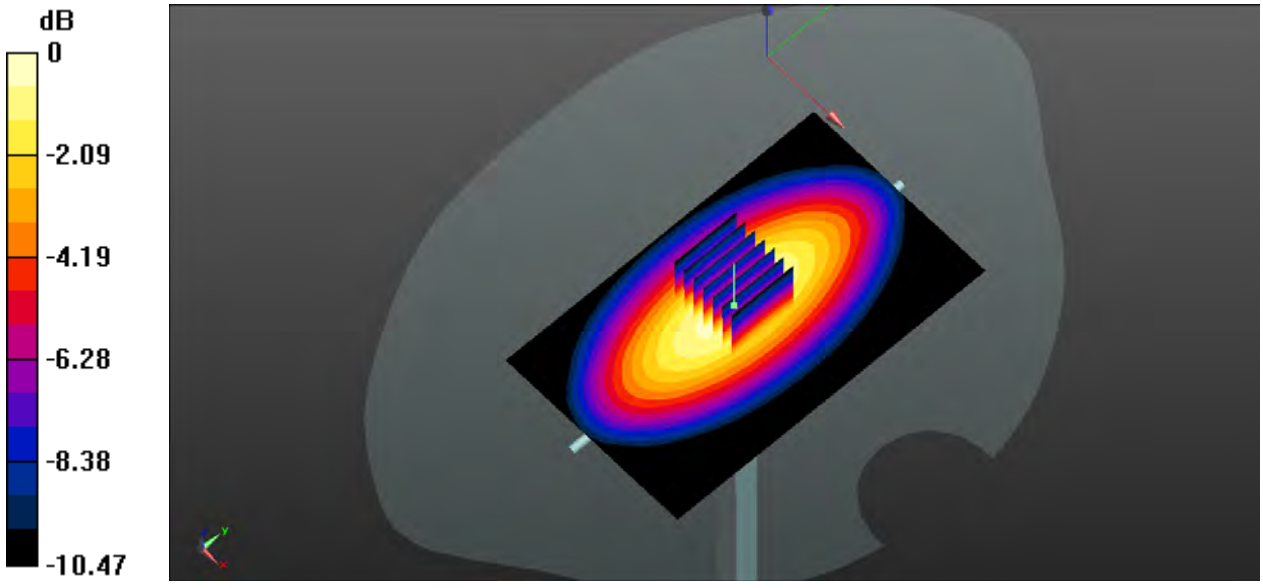
Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.03 W/kg
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.23 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.40 W/kg
SAR(1 g) = 0.943 W/kg; SAR(10 g) = 0.616 W/kg
Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg

System Performance Check Data (1750MHz)

Date: 2021.07.20

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

Medium parameters used: f = 1750 MHz; σ = 1.379 S/m; ε_r = 39.652; ρ = 1000 kg/m^3

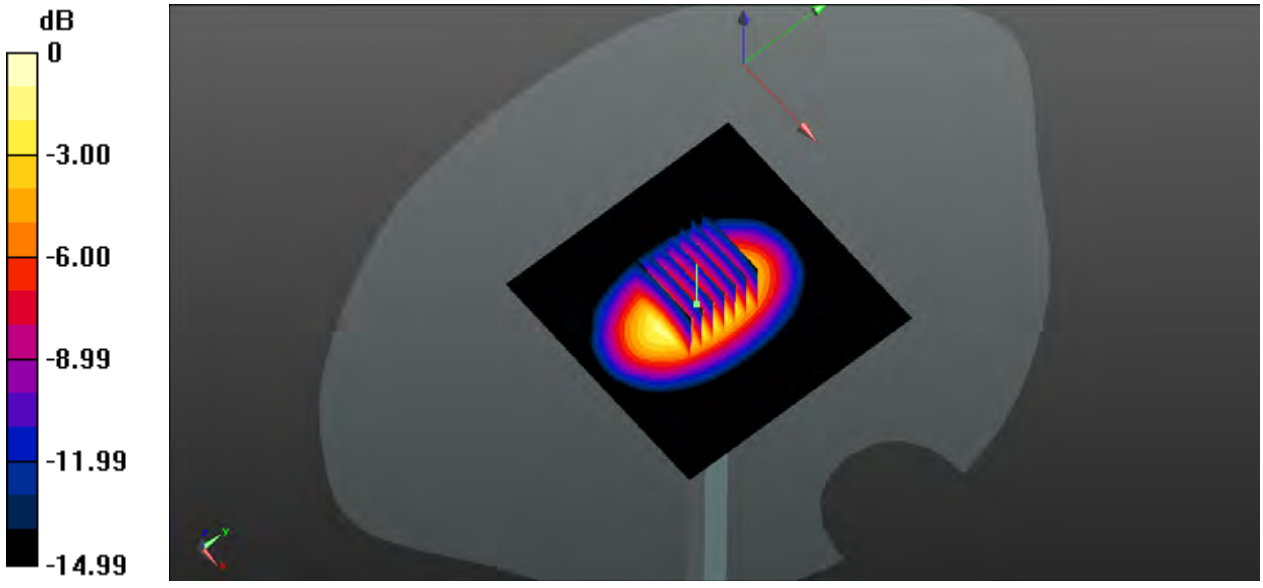
Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 1750/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.18 W/kg
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.32 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 6.47 W/kg
SAR(1 g) = 3.68 W/kg; SAR(10 g) = 2.02 W/kg
Maximum value of SAR (measured) = 4.11 W/kg



0 dB = 4.11 W/kg

System Performance Check Data (1750MHz)

Date: 2021.07.12

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

Medium parameters used: f = 1750 MHz; σ = 1.394 S/m; ε_r = 39.223; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.02 W/kg

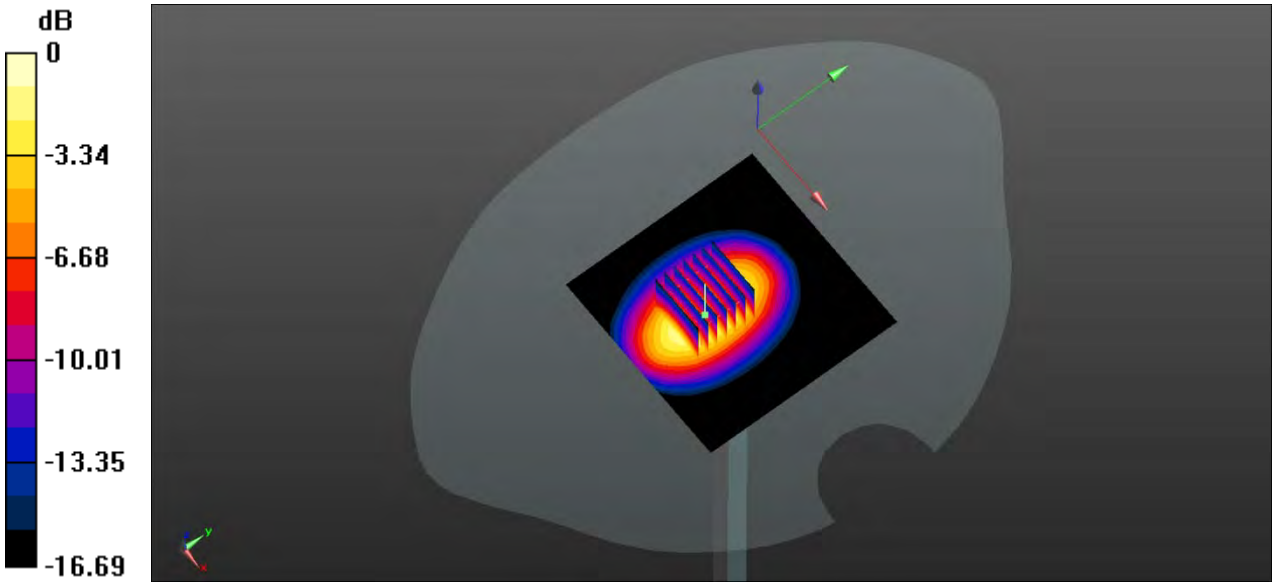
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.32 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 6.75 W/kg

SAR(1 g) = 3.56 W/kg; SAR(10 g) = 1.83 W/kg

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



0 dB = 4.12 W/kg

System Performance Check Data (1750MHz)

Date: 2021.07.21

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

Medium parameters used: f = 1750 MHz; σ = 1.411 S/m; ε_r = 39.156; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.24 W/kg

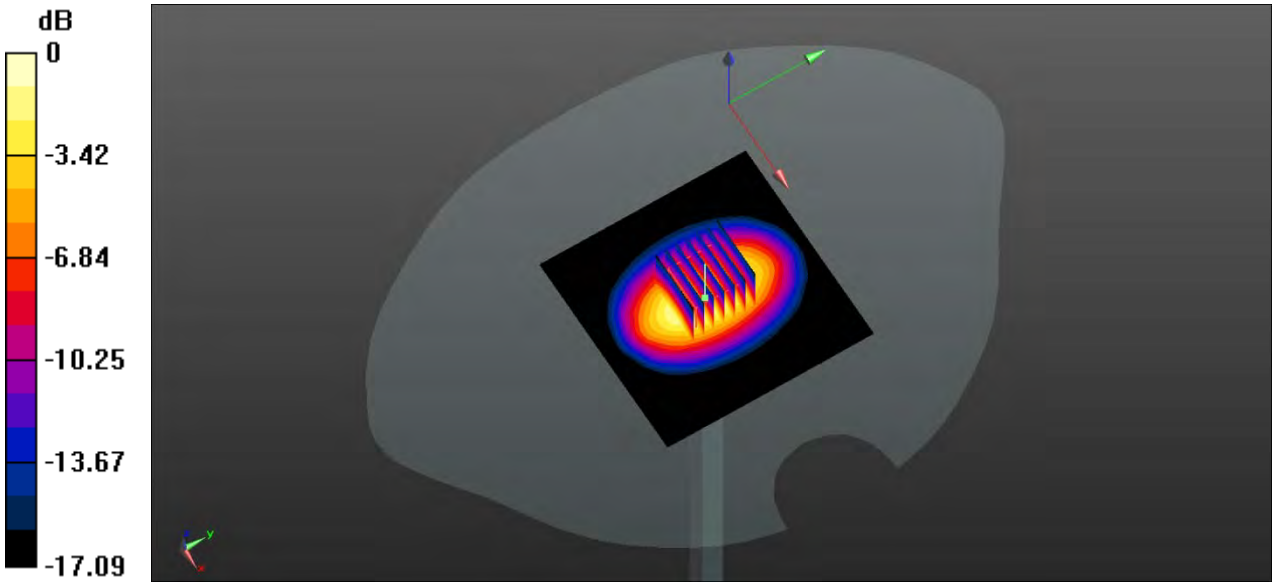
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.21 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 7.02 W/kg

SAR(1 g) = 3.78 W/kg; SAR(10 g) = 1.97 W/kg

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



0 dB = 4.21 W/kg

System Performance Check Data (1900MHz)

Date: 2021.07.22

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

Medium parameters used: f = 1900 MHz; σ = 1.423 S/m; ε_r = 39.656; ρ = 1000 kg/m^3

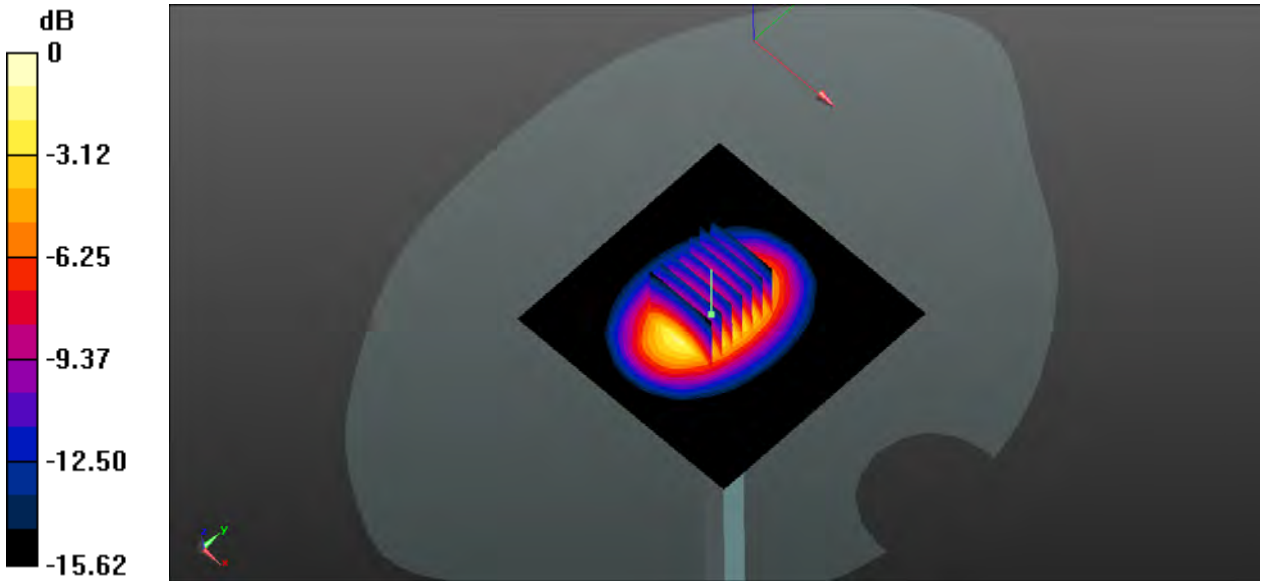
Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 1900/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.66 W/kg
CW 1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.25 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 7.36 W/kg
SAR(1 g) = 4.11 W/kg; SAR(10 g) = 2.09 W/kg
Maximum value of SAR (measured) = 4.67 W/kg



0 dB = 4.67 W/kg

System Performance Check Data (1900MHz)

Date: 2021.07.13

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

Medium parameters used: f = 1900 MHz; σ = 1.379 S/m; ε_r = 39.774; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.43 W/kg

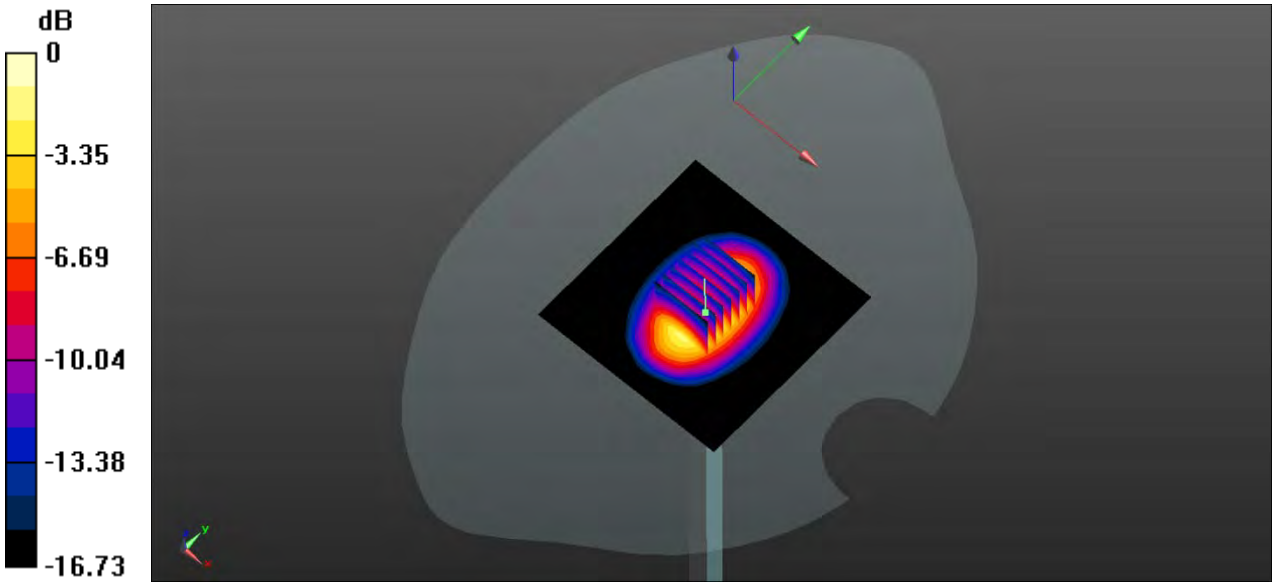
CW 1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.84 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 7.09 W/kg

SAR(1 g) = 3.91 W/kg; SAR(10 g) = 2.06 W/kg

Maximum value of SAR (measured) = 4.43 W/kg



0 dB = 4.43 W/kg

System Performance Check Data (2450MHz)

Date: 2021.07.23

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

Medium parameters used: f = 2450 MHz; σ = 1.823 S/m; ε_r = 39.456; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.8 Liquid Temperature:20.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 5.77 W/kg

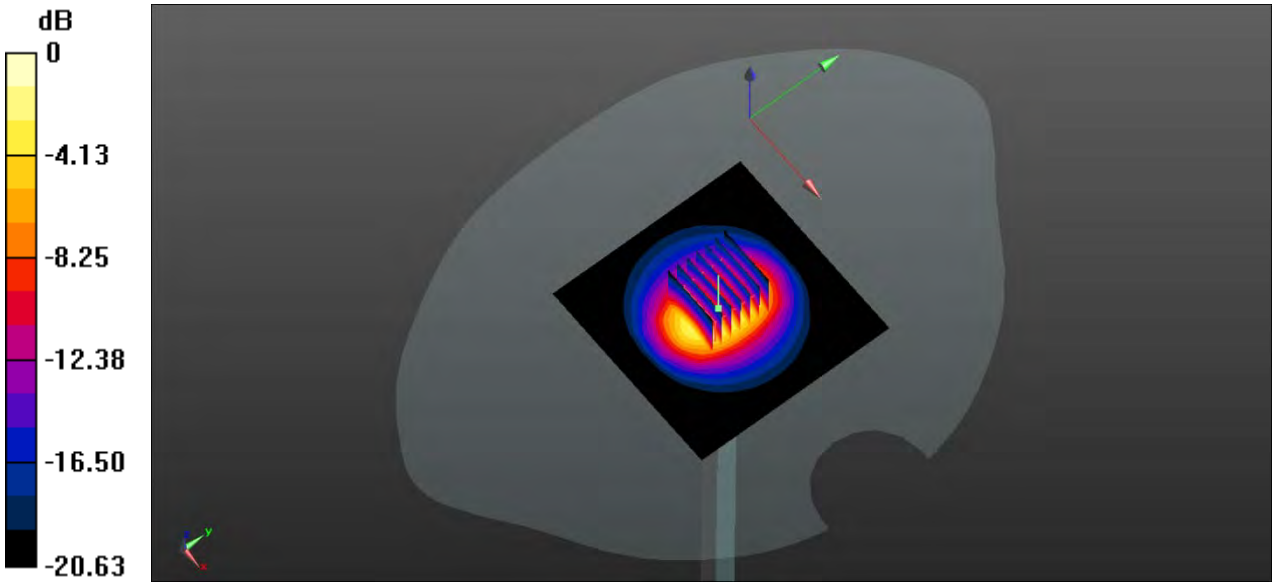
CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.82 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.05 W/kg; SAR(10 g) = 2.27 W/kg

Maximum value of SAR (measured) = 5.71 W/kg



0 dB = 5.71 W/kg

System Performance Check Data (2450MHz)

Date: 2021.08.15

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

Medium parameters used: f = 2450 MHz; σ = 1.804 S/m; ε_r = 39.035; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

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

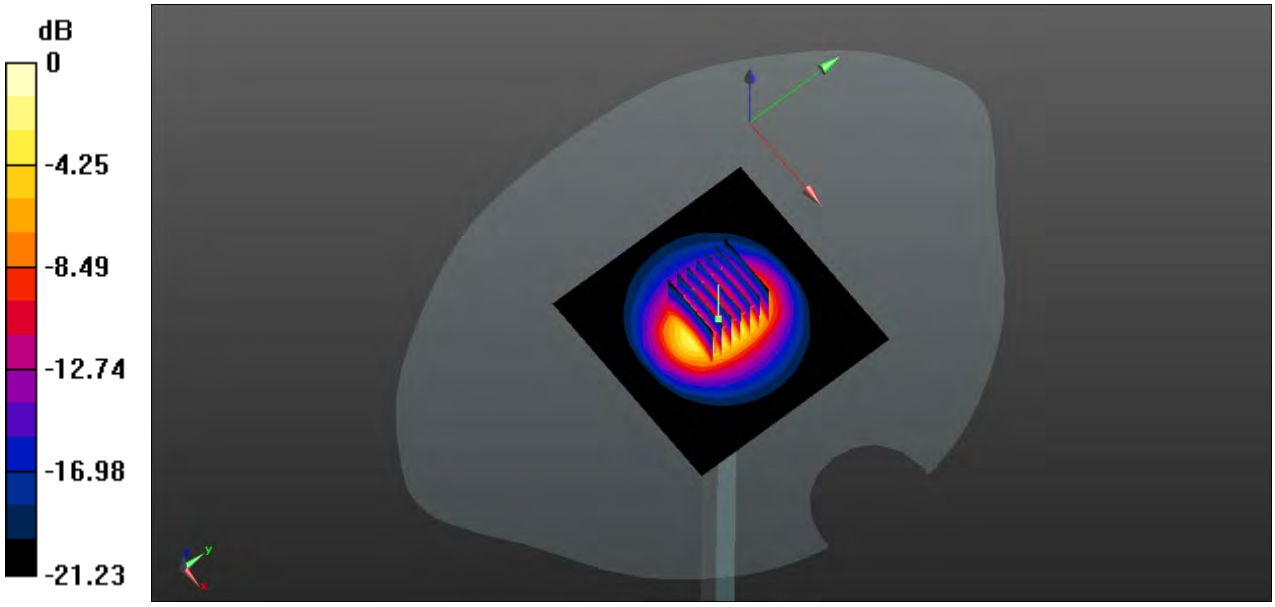
CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.97 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.12 W/kg; SAR(10 g) = 2.35 W/kg

Maximum value of SAR (measured) = 5.82 W/kg



0 dB = 5.82 W/kg

System Performance Check Data (2600MHz)

Date: 2021.07.14

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 2.011 S/m; ε_r = 38.254; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

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

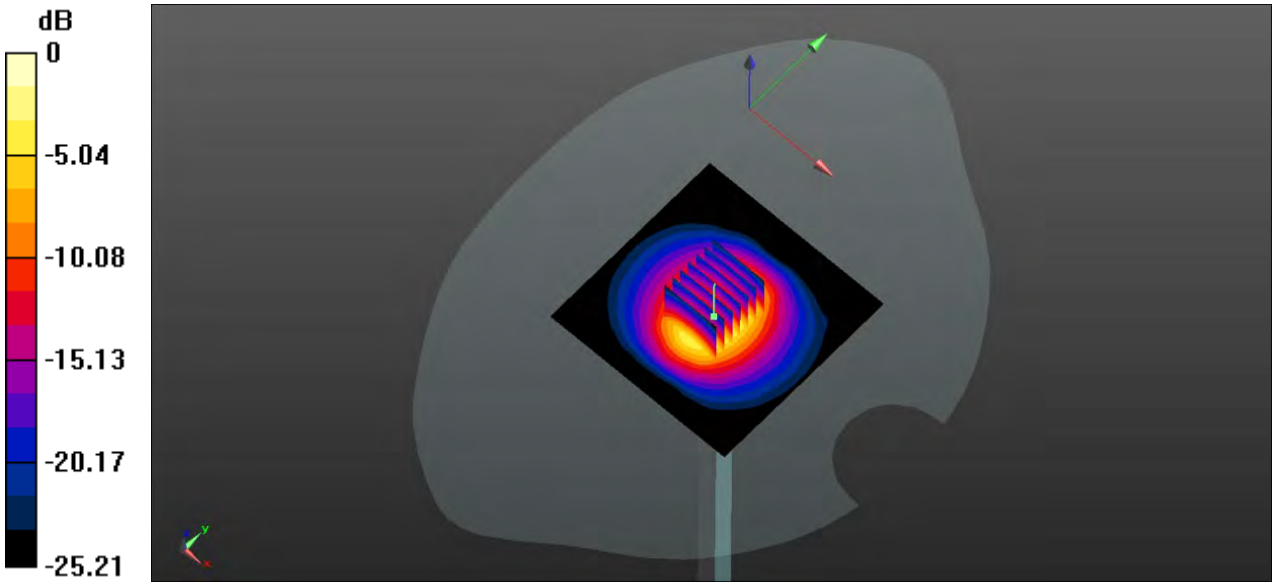
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.45 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.55 W/kg; SAR(10 g) = 2.43 W/kg

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



0 dB = 6.44 W/kg

System Performance Check Data (2600MHz)

Date: 2021.07.15

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

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.989 S/m; ε_r = 39.156; ρ = 1000 kg/m^3

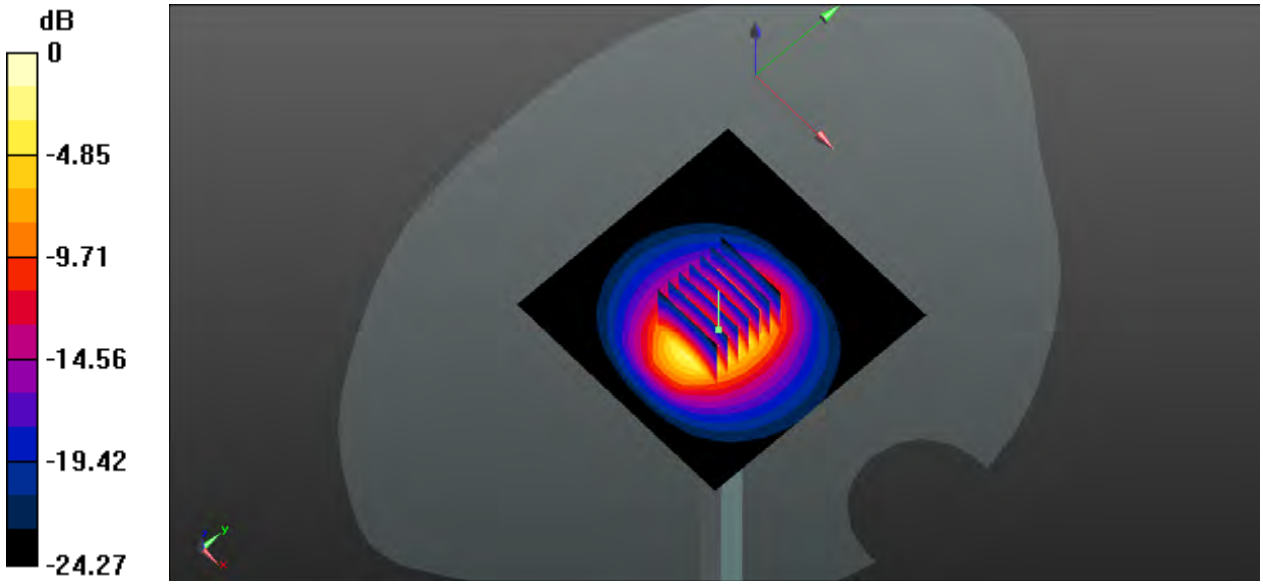
Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 2600 /Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.61 W/kg
CW 2600 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 45.72 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 12.5 W/kg
SAR(1 g) = 5.54 W/kg; SAR(10 g) = 2.33 W/kg
Maximum value of SAR (measured) = 6.35 W/kg



0 dB = 6.35 W/kg

System Performance Check Data (2600MHz)

Date: 2021.07.25

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

Medium parameters used: f = 2600 MHz; σ = 1.932 S/m; ε_r = 38.232; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

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

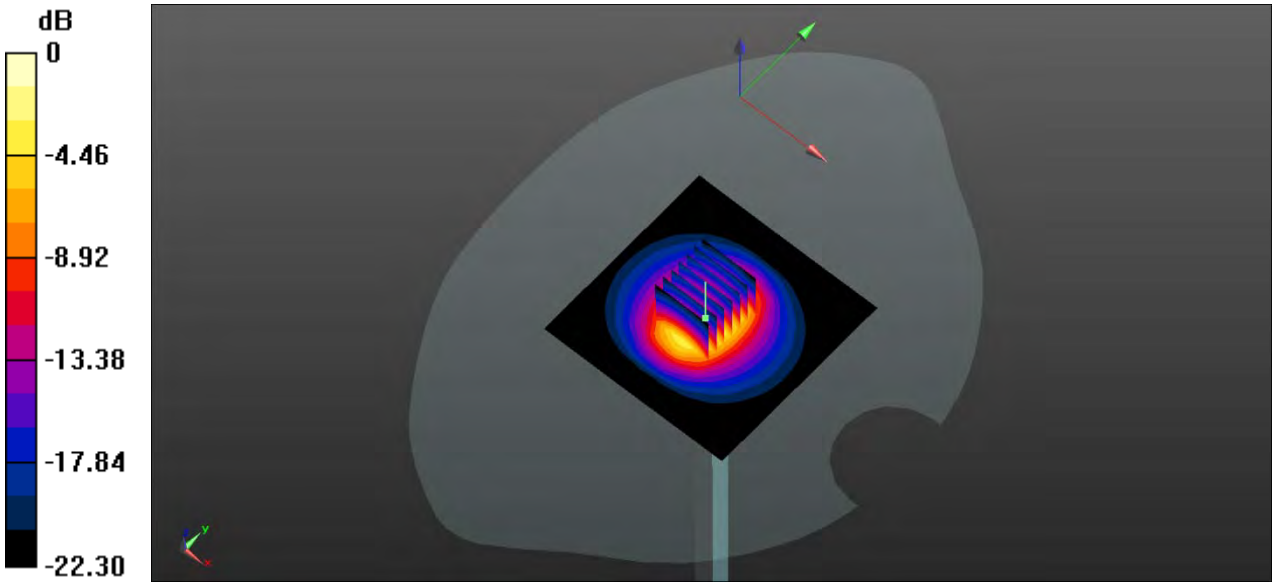
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.11 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.49 W/kg; SAR(10 g) = 2.39 W/kg

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



0 dB = 6.25 W/kg

System Performance Check Data (2600MHz)

Date: 2021.07.16

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.967 S/m; ε_r = 39.523; ρ = 1000 kg/m^3

Phantom section: Flat Section

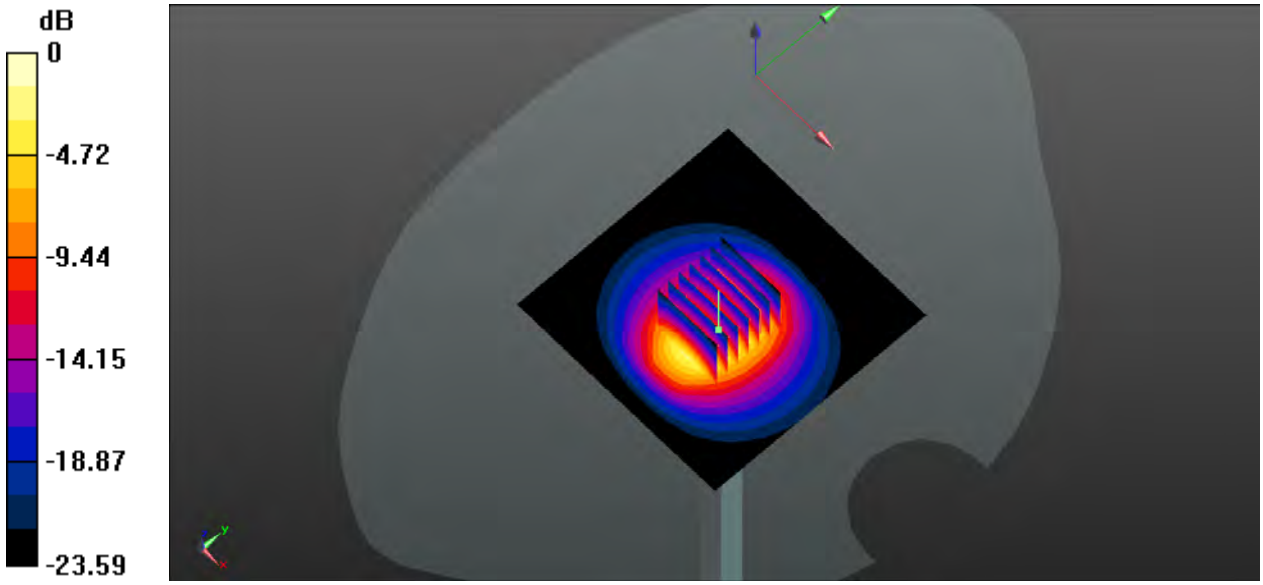
Ambient Temperature:22.6 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.59W/kg

CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 45.63 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 12.5 W/kg
SAR(1 g) = 5.46 W/kg; SAR(10 g) = 2.51 W/kg
Maximum value of SAR (measured) = 6.51 W/kg



0 dB = 6.51W/kg

System Performance Check Data (2600MHz)

Date: 2021.08.06

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

Medium parameters used: f = 2600 MHz; σ = 1.926 S/m; ε_r = 38.211; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

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

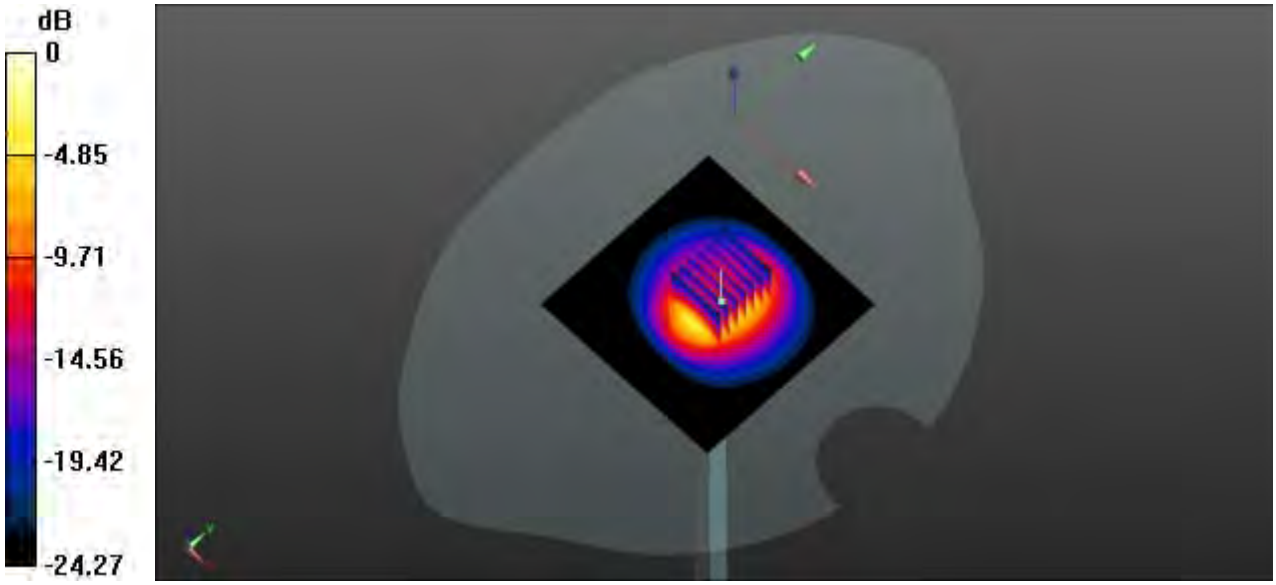
CW 2600 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.64 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.52 W/kg; SAR(10 g) = 2.38 W/kg

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



0 dB = 6.36 W/kg

System Performance Check Data (2600MHz)

Date: 2021.08.14

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

Medium parameters used: f = 2600 MHz; σ = 1.98 S/m; ε_r = 38.54; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

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

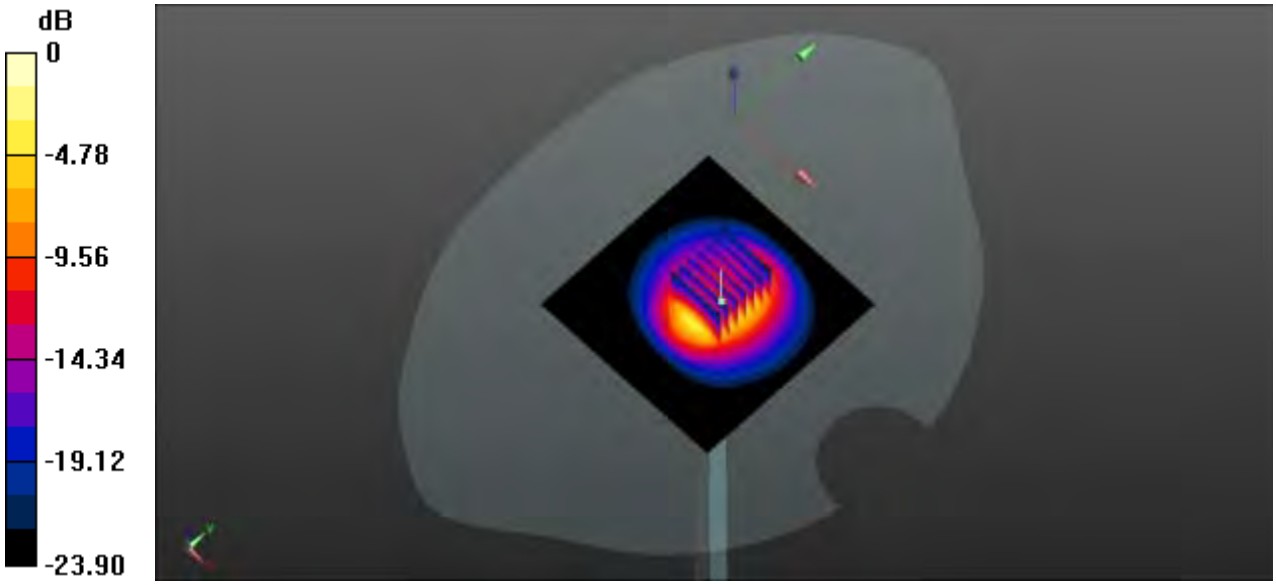
CW 2600 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.23 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 11.9 W/kg

SAR(1 g) = 5.42 W/kg; SAR(10 g) = 2.32 W/kg

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



0 dB = 6.25 W/kg

System Performance Check Data (5250MHz)

Date: 2021.07.18

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

Medium parameters used: f = 5250 MHz; σ = 4.643 S/m; ε_r = 36.589; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 14.2 W/kg

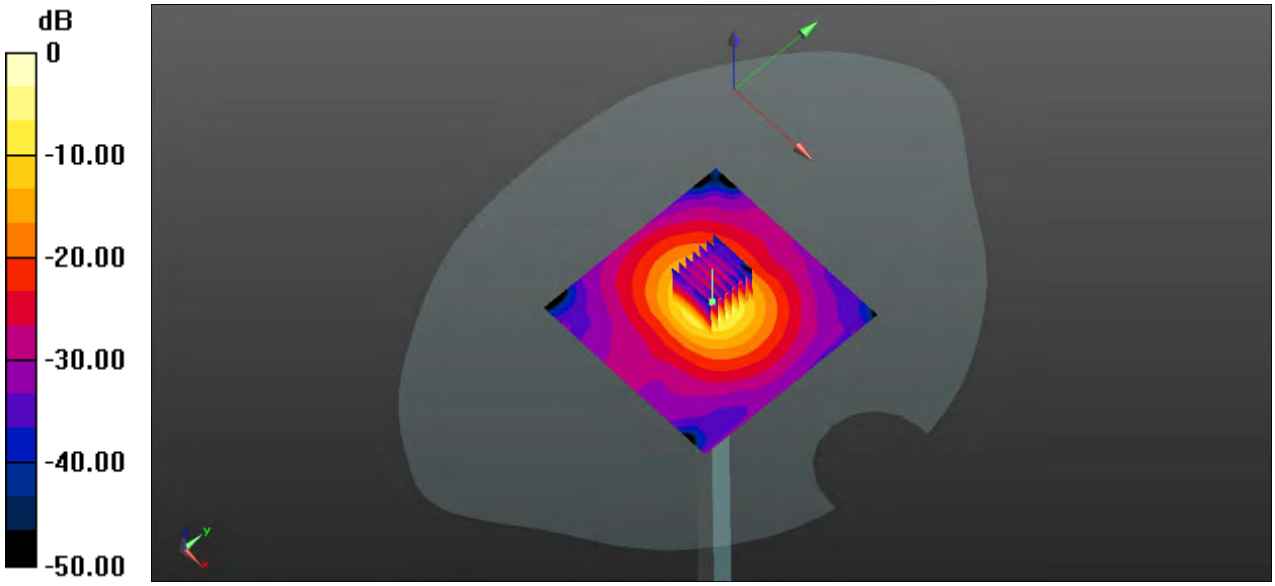
CW 5250/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 37.65 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 31.9 W/kg

SAR(1 g) = 7.53 W/kg; SAR(10 g) = 2.14 W/kg

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



0 dB = 19.1 W/kg

System Performance Check Data (5250MHz)

Date: 2021.08.07

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

Medium parameters used: f = 5250 MHz; σ = 4.569 S/m; ε_r = 36.774; ρ = 1000 kg/m^3

Phantom section: Flat Section

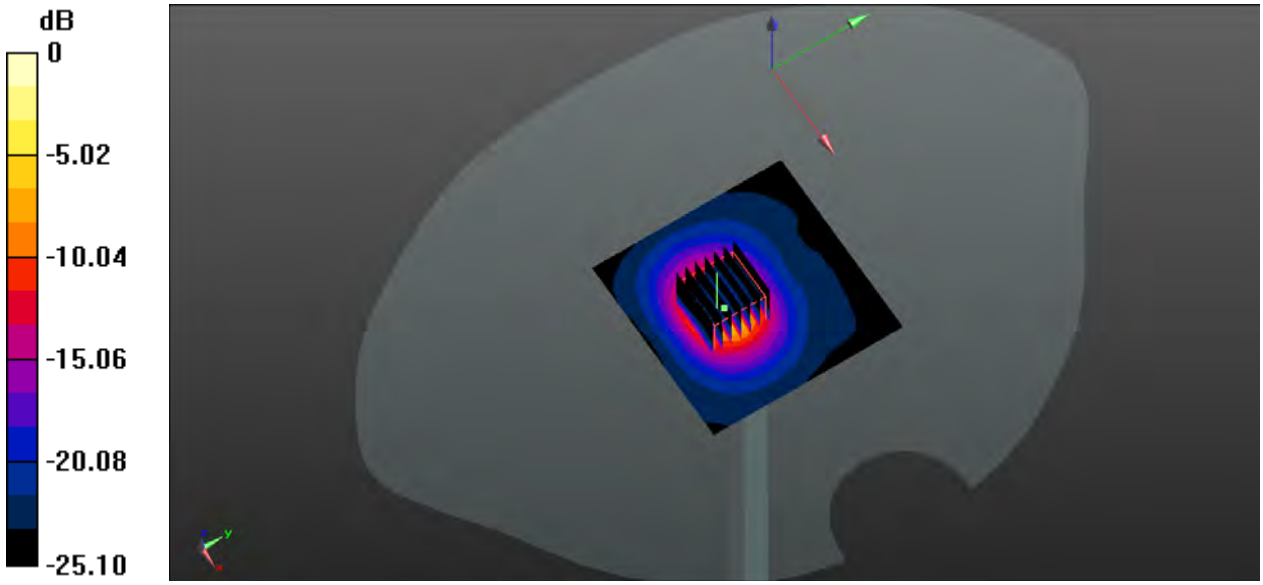
Ambient Temperature:22.6 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 5250/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 7.86 W/kg

CW 5250/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 24.72 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 33.3 W/kg
SAR(1 g) = 7.33 W/kg; SAR(10 g) = 2.07 W/kg
Maximum value of SAR (measured) = 14.6 W/kg



0 dB = 14.6 W/kg

System Performance Check Data (5600MHz)

Date: 2021.07.28

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

Medium parameters used: f = 5600 MHz; σ = 5.074 S/m; ε_r = 34.687; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.89, 4.89, 4.89); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 9.14 W/kg

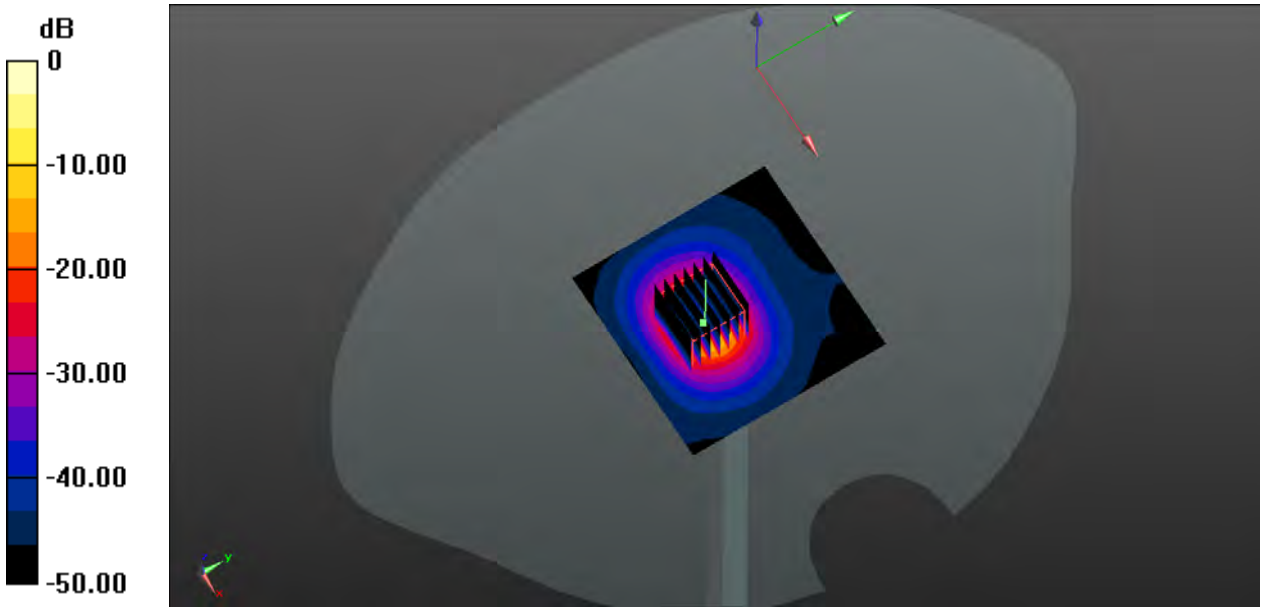
CW 5600/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 22.75 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 38.23 W/kg

SAR(1 g) = 8.45 W/kg; SAR(10 g) = 2.39 W/kg

Maximum value of SAR (measured) = 17.2 W/kg



0 dB = 17.2 W/kg

System Performance Check Data (5600MHz)

Date: 2021.08.09

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

Medium parameters used: f = 5600 MHz; σ = 5.174 S/m; ε_r = 35.556; ρ = 1000 kg/m^3

Phantom section: Flat Section

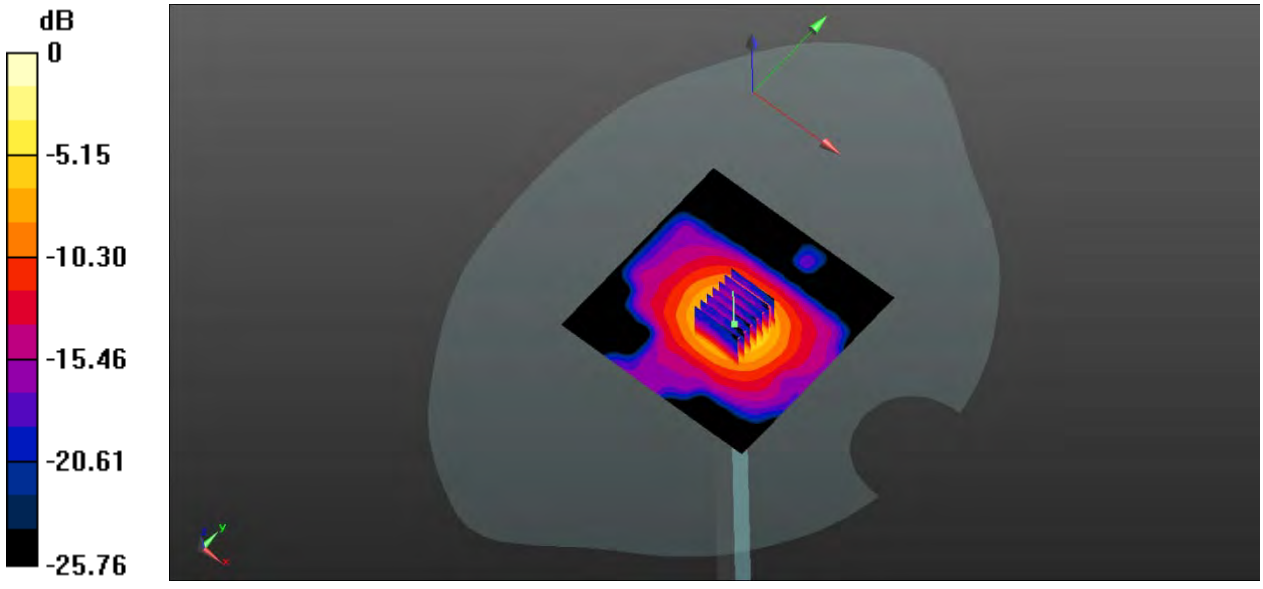
Ambient Temperature:22.8 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.89, 4.89, 4.89); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 5600/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.15 W/kg

CW 5600/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 22.83 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 38.21 W/kg
SAR(1 g) = 8.46 W/kg; SAR(10 g) = 2.41 W/kg
Maximum value of SAR (measured) = 16.9 W/kg



0 dB = 16.9 W/kg

System Performance Check Data (5750MHz)

Date: 2021.07.20

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

Medium parameters used: f = 5750 MHz; σ = 5.265 S/m; ε_r = 35.983; ρ = 1000 kg/m^3

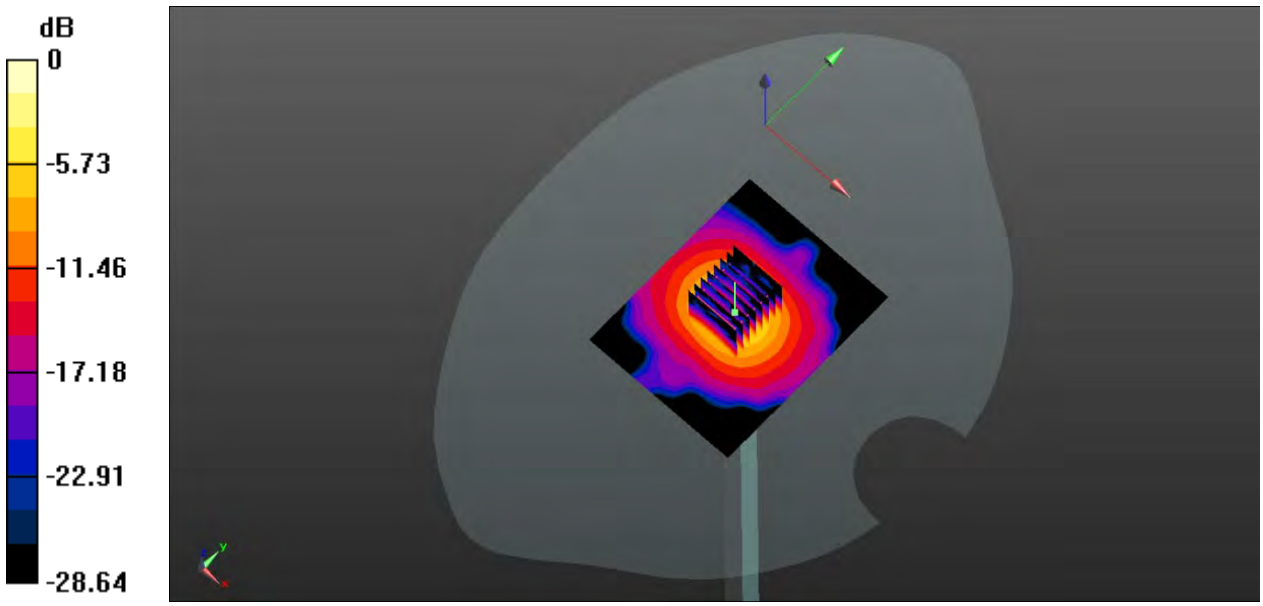
Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.96, 4.96, 4.96); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 5750/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.85 W/kg
CW 5750/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 40.13 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 36.7 W/kg
SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.31 W/kg
Maximum value of SAR (measured) = 15.9 W/kg



0 dB = 15.9 W/kg

System Performance Check Data (5750MHz)

Date: 2021.08.10

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

Medium parameters used: f = 5750 MHz; σ = 5.221 S/m; ε_r = 35.116; ρ = 1000 kg/m^3

Phantom section: Flat Section

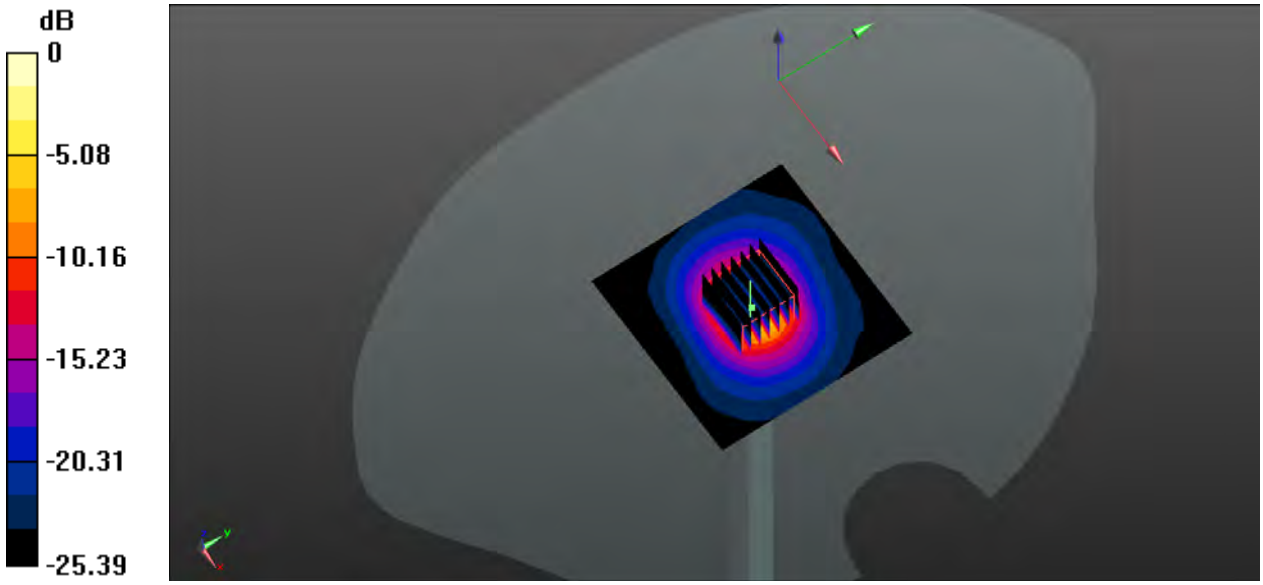
Ambient Temperature:22.6 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.96, 4.96, 4.96); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 5750/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.94 W/kg

CW 5750/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 40.09 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 36.7 W/kg
SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.34 W/kg
Maximum value of SAR (measured) = 16.2 W/kg



0 dB = 16.2 W/kg

ANNEX C TEST DATA

1-Right Head with Cheek on High Channel in GPRS850 2Slots Mode With Antenna 6

Date: 2021.07.19

Communication System Band: GPRS 850; Frequency: 848.8 MHz;Duty Cycle: 1:4.1

Medium parameters used: f = 848.8 MHz; σ = 0.904 S/m; ε_r = 41.516; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:21.9 Liquid Temperature:20.8

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

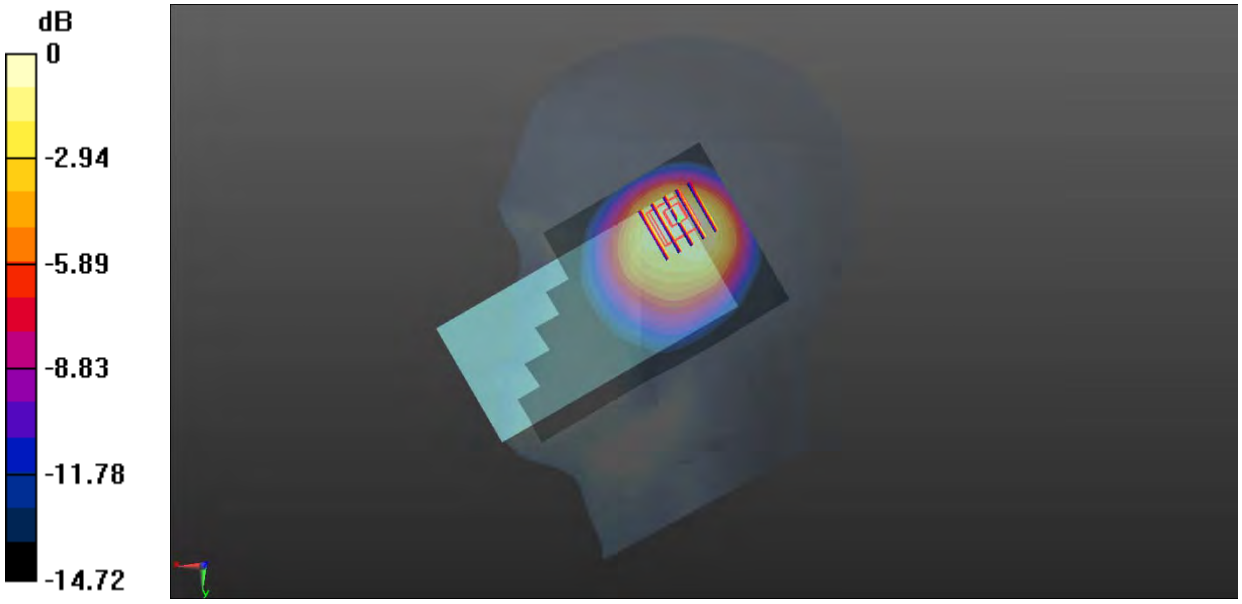
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.22 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.283 W/kg

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



0 dB = 0.602 W/kg

2-Body Plane with Front Side 15mm on High Channel in GSM850 Voice Mode With Antenna 6

Date: 2021.07.19

Communication System Band: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 848.8 MHz; σ = 0.904 S/m; ε_r = 41.516; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:20.8

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.470 W/kg

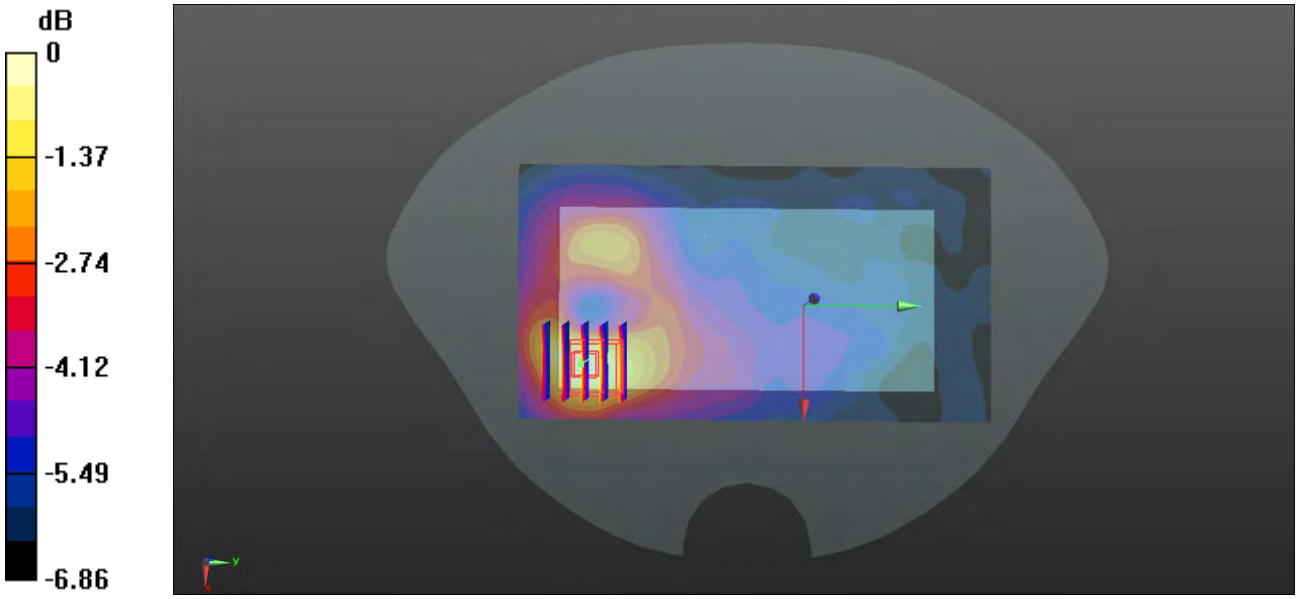
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.903 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.750 W/kg

SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.128 W/kg

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



0 dB = 0.475 W/kg

3-Body Plane with Back Side 10mm on High Channel in GPRS850 2Slots Mode With Antenna 1

Date: 2021.07.19

Communication System Band: GPRS 850; Frequency: 848.8 MHz;Duty Cycle: 1:4.1

Medium parameters used: f = 848.8 MHz; σ = 0.904 S/m; ε_r = 41.516; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:20.8

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.419 W/kg

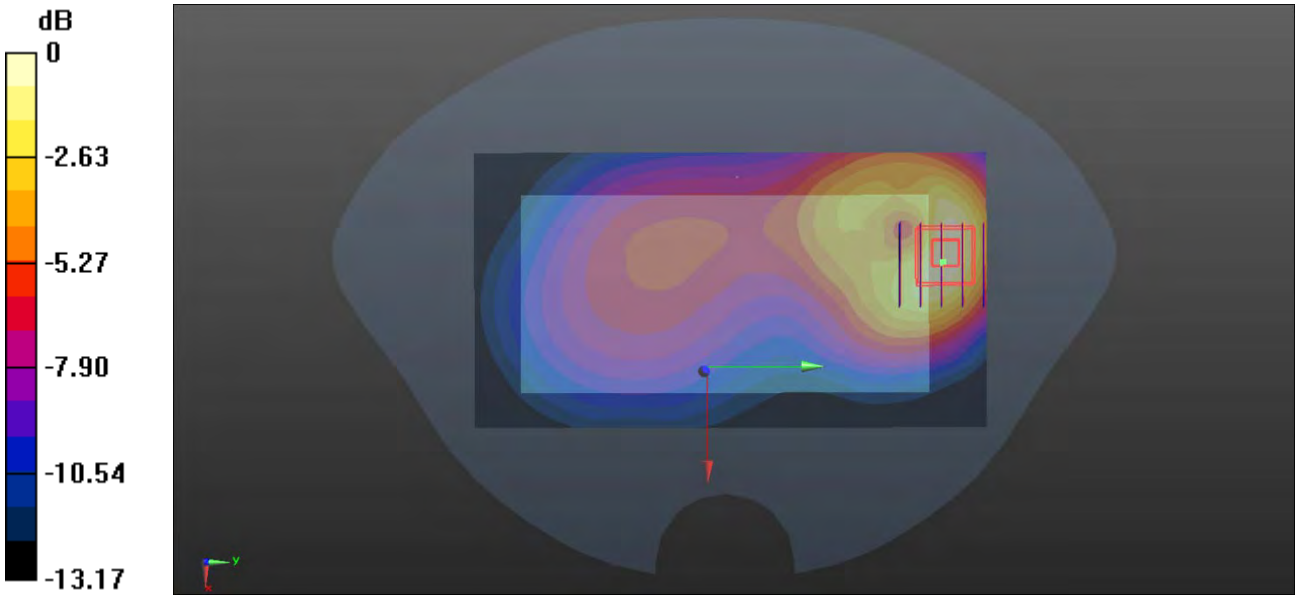
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.221 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.536 W/kg

SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.198 W/kg

Maximum value of SAR (measured) = 0.426 W/kg



0 dB = 0.426 W/kg

4-Body Plane with Front Side 4mm on High Channel in GPRS850 2Slots Mode With Antenna 6

Date: 2021.07.19

Communication System Band: GPRS 850; Frequency: 848.8 MHz;Duty Cycle: 1:4.1

Medium parameters used: f = 848.8 MHz; σ = 0.904 S/m; ε_r = 41.516; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:20.8

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 1.02 W/kg

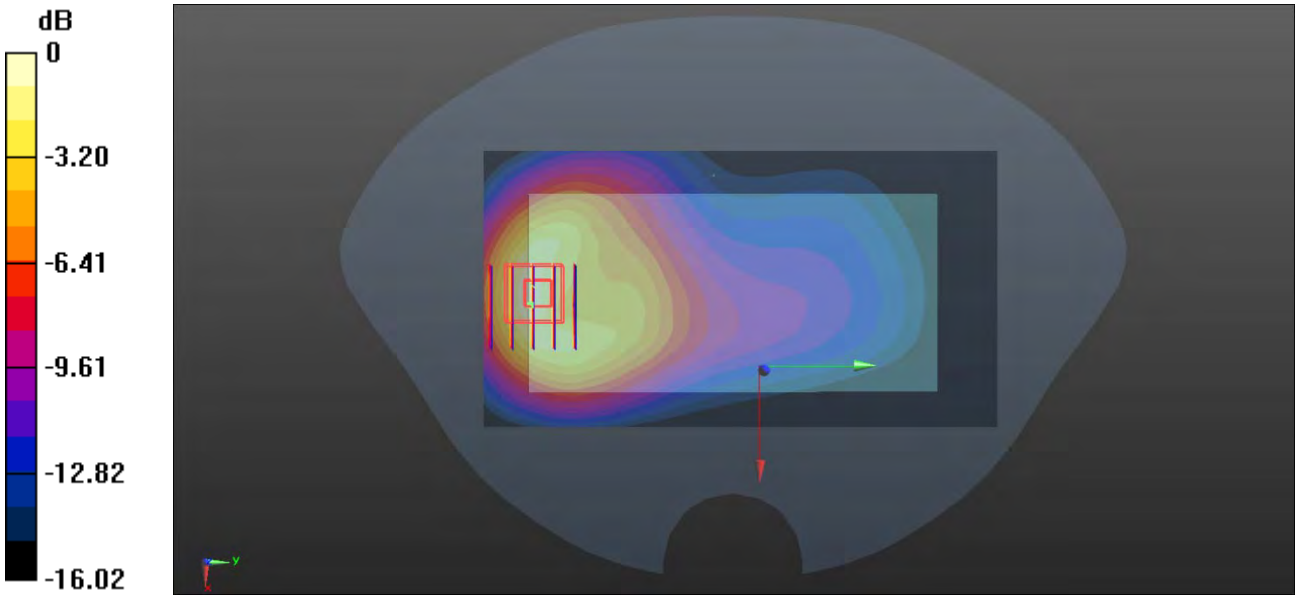
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.33 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.41 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.621 W/kg

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



0 dB = 1.13 W/kg

5-Right Head with Check on Middle Channel in GPRS1900 2Slots Mode With Antenna 6

Date: 2021.07.22

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

Medium parameters used: f = 1880 MHz; σ = 1.411 S/m; ε_r = 39.806; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.744 W/kg

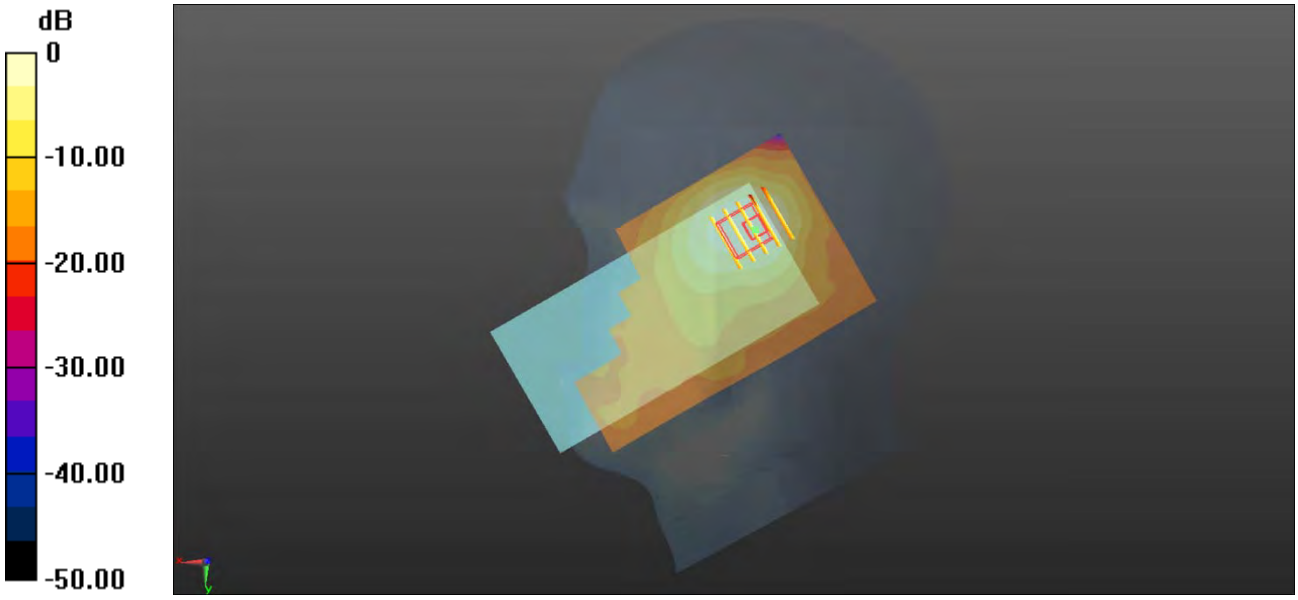
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.93 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.973 W/kg

SAR(1 g) = 0.612 W/kg; SAR(10 g) = 0.313 W/kg

Maximum value of SAR (measured) = 0.723 W/kg



0 dB = 0.723 W/kg

6-Body Plane with Front Side 15mm on Low Channel in GPRS1900 2Slots Mode With Antenna 1

Date: 2021.07.22

Communication System Band: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4.1

Medium parameters used: f = 1850.2 MHz; σ = 1.396 S/m; ε_r = 40.026; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch512/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.285 W/kg

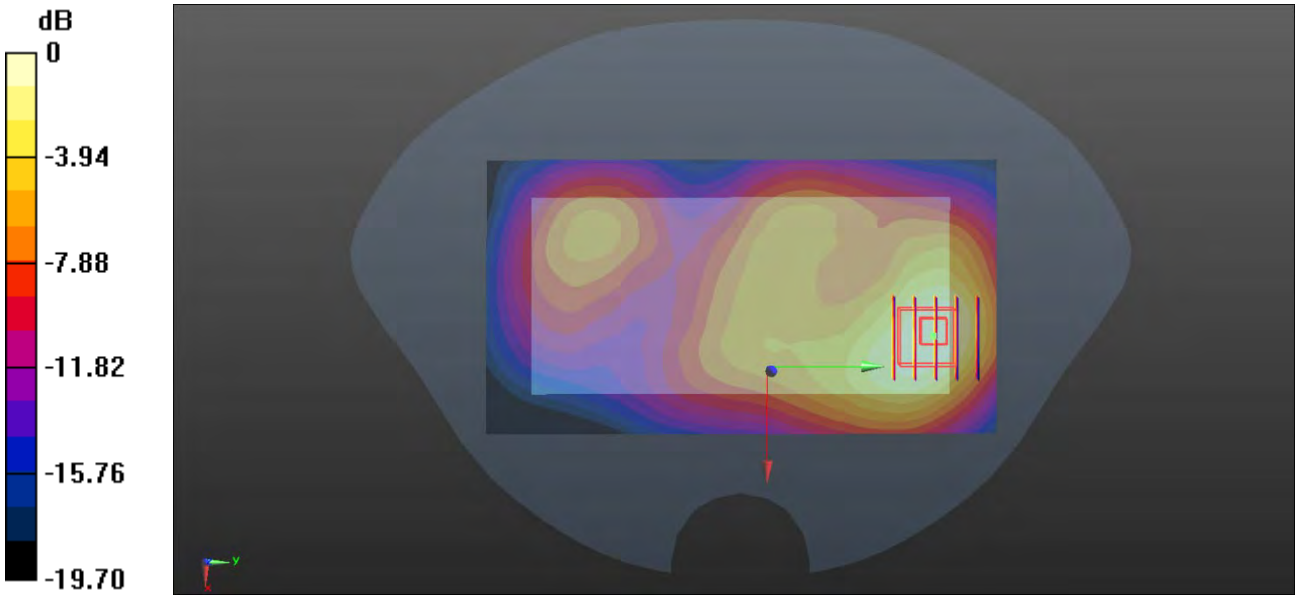
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.495 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.496 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.104 W/kg

Maximum value of SAR (measured) = 0.209 W/kg



0 dB = 0.209 W/kg

7-Body Plane with Front Side 10mm on Low Channel in GPRS1900 2Slots Mode With Antenna 1

Date: 2021.07.22

Communication System Band: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4.1

Medium parameters used: f = 1850.2 MHz; σ = 1.396 S/m; ε_r = 40.026; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch512/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.485 W/kg

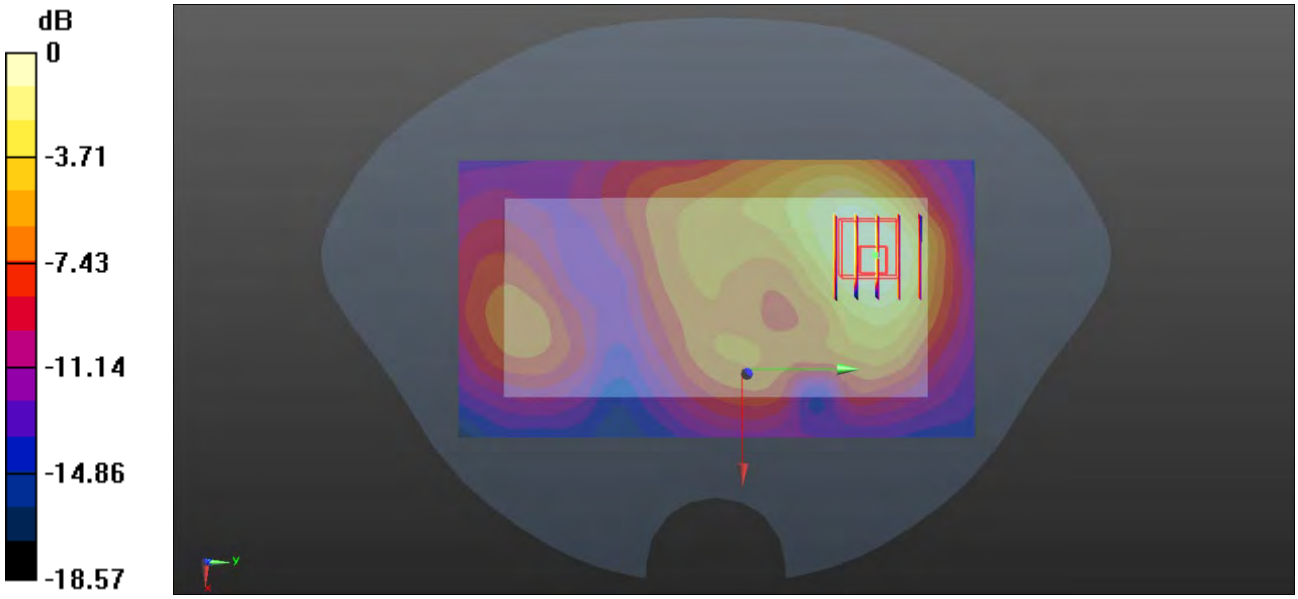
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.149 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.641 W/kg

SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.149 W/kg

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



0 dB = 0.472 W/kg

8-Body Plane with Back Side 4mm on Middle Channel in GPRS1900 2Slots Mode With Antenna 6

Date: 2021.07.22

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

Medium parameters used: f = 1880 MHz; σ = 1.411 S/m; ε_r = 39.806; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.32 W/kg

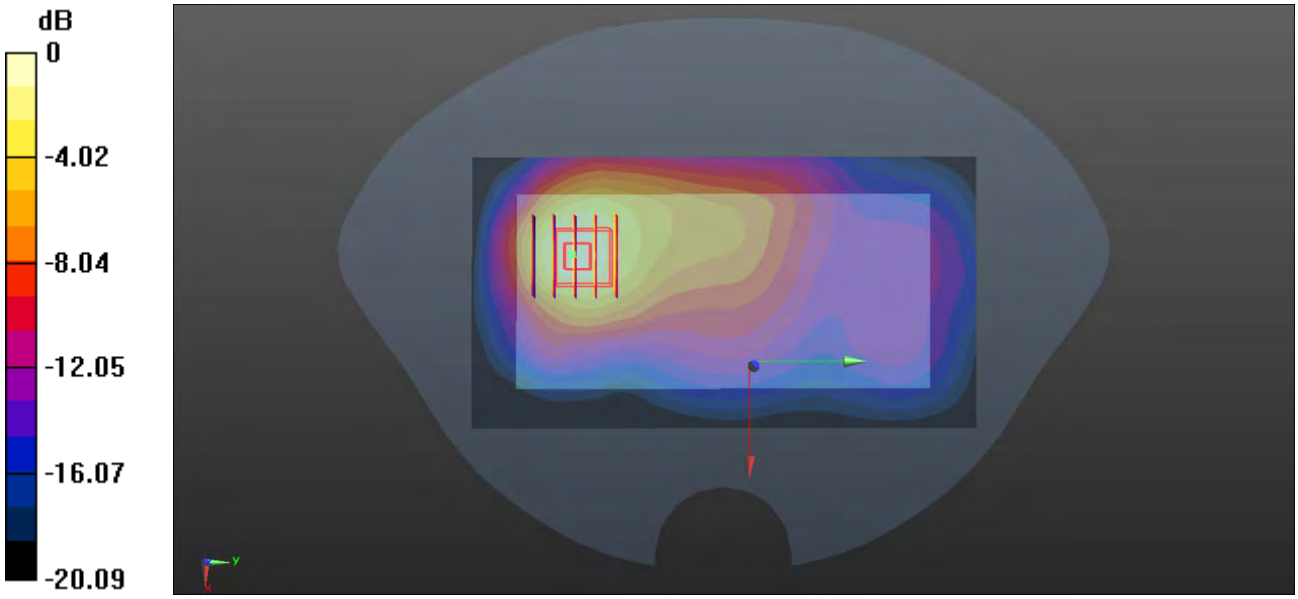
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.28 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.643 W/kg

Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg

9-Right Head with Cheek on Low Channel in CDMA BC0 Mode With Antenna 6

Date: 2021.07.19

Communication System Band: CDMA BC0; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium parameters used: f = 824.7 MHz; σ = 0.877 S/m; ε_r = 41.752; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:21.9 Liquid Temperature:20.8

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch1013/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.326 W/kg

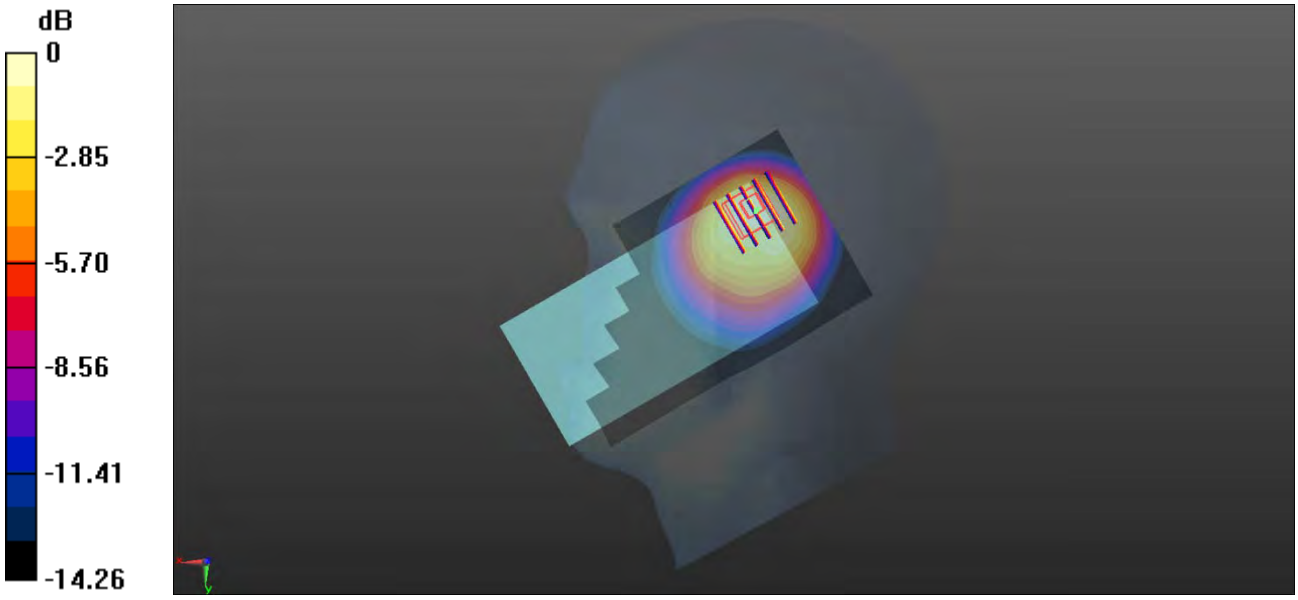
Ch1013/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.74 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.750 W/kg

SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.168 W/kg

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



0 dB = 0.358 W/kg

10-Body Plane with Back Side 15mm on High Channel in CDMA BC0 Mode With Antenna 1

Date: 2021.07.19

Communication System Band: CDMA BC0; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.902 S/m; ε_r = 41.527; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:20.8

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch777/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

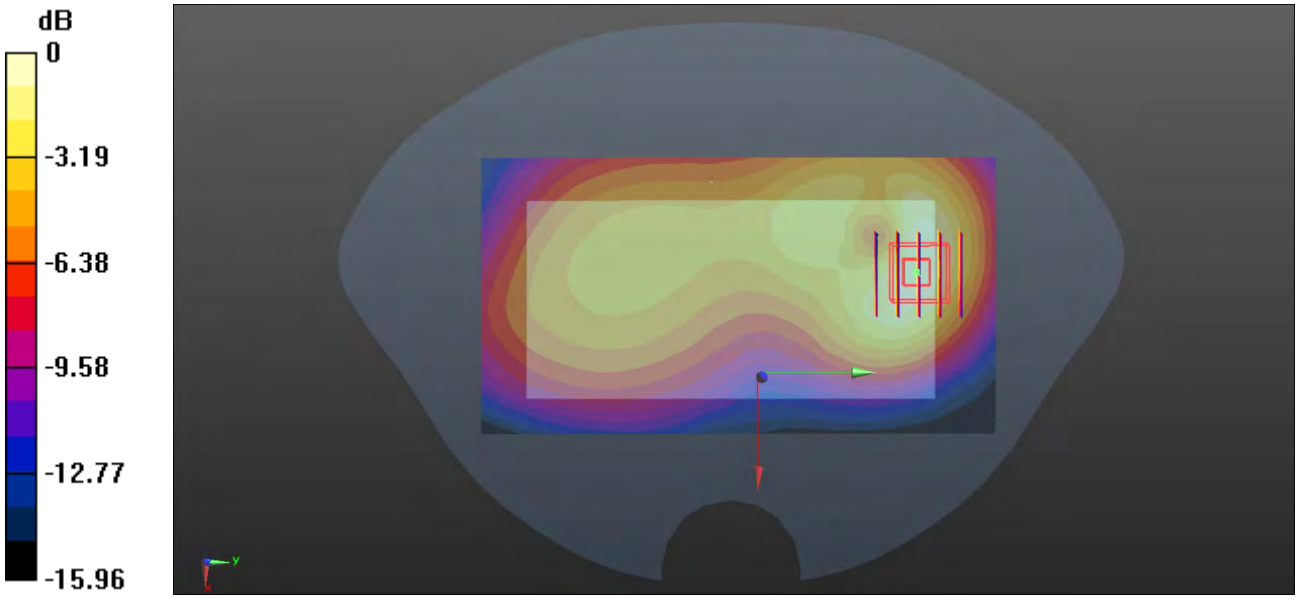
Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.132 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.200 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.072 W/kg

Maximum value of SAR (measured) = 0.142 W/kg



0 dB = 0.142 W/kg

11-Body Plane with Back Side 10mm on Low Channel in CDMA BC0 Mode With Antenna 1

Date: 2021.07.19

Communication System Band: CDMA BC0; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 824.7 MHz; σ = 0.877 S/m; ε_r = 41.752; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:20.8

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch1013/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.191 W/kg

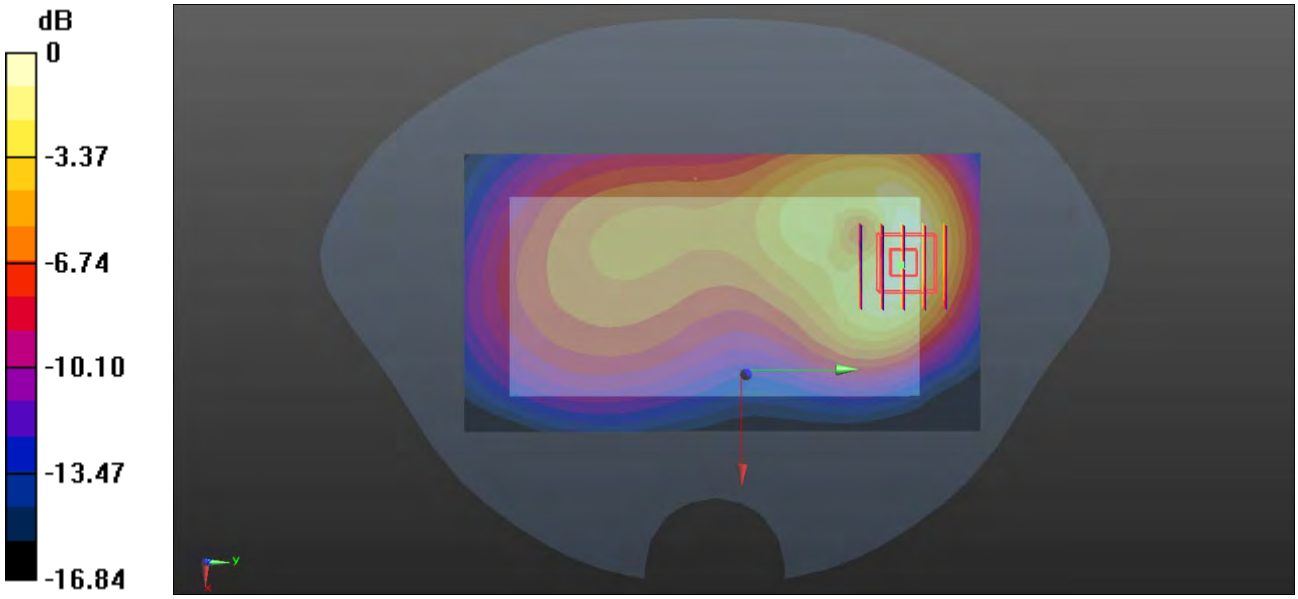
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.210 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.308 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.097 W/kg

Maximum value of SAR (measured) = 0.191 W/kg



0 dB = 0.191 W/kg

12-Right Head with Cheek on High Channel in CDMA BC1 Mode With Antenna 6

Date: 2021.07.22

Communication System Band: CDMA BC1; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.426 S/m; ε_r = 39.594; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch1175/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.898 W/kg

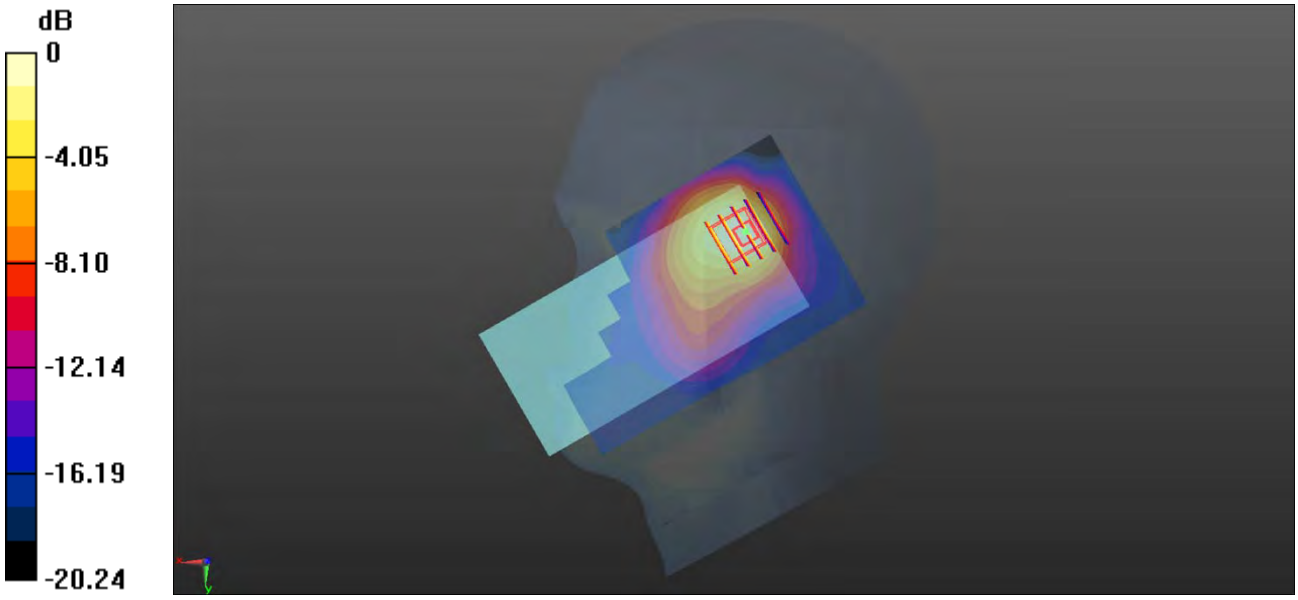
Ch1175/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.57 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.806 W/kg; SAR(10 g) = 0.440 W/kg

Maximum value of SAR (measured) = 0.903 W/kg



0 dB = 0.903 W/kg

13-Body Plane with Front Side 15mm on High Channel in CDMA BC1 Mode With Antenna 1

Date: 2021.07.22

Communication System Band:CDMA BC1; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.426 S/m; ε_r = 39.594; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch1175/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.496 W/kg

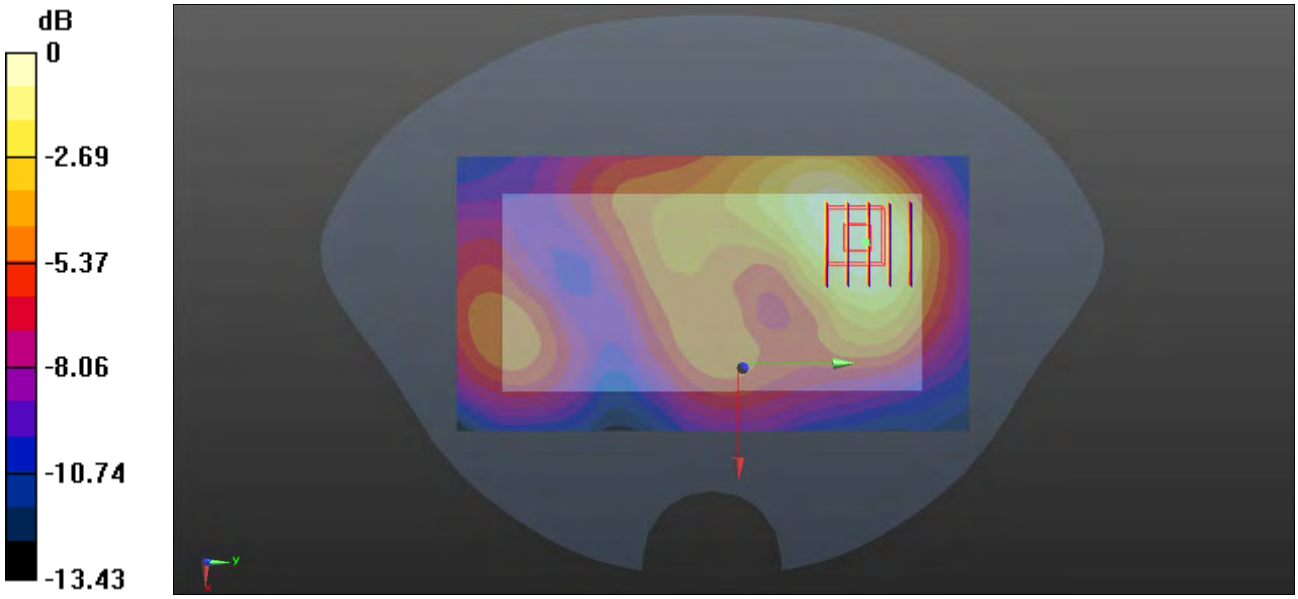
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.715 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.563 W/kg

SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.168 W/kg

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



0 dB = 0.494 W/kg

14-Body Plane with Front Side 10mm on High Channel in CDMA BC1 Mode With Antenna 1

Date: 2021.07.22

Communication System Band: CDMA BC1; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.426 S/m; ε_r = 39.594; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch1175/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.652 W/kg

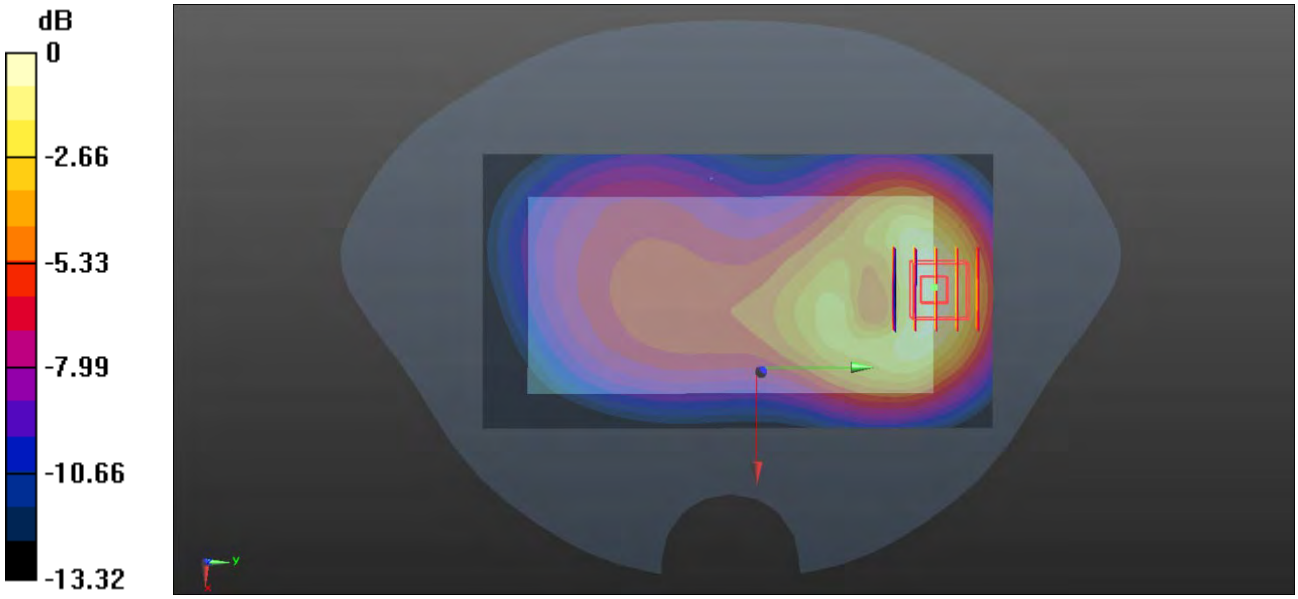
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.391 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.849 W/kg

SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.316 W/kg

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



0 dB = 0.677 W/kg

15-Right Head with Check on High Channel in WCDMA Band2 Mode With Antenna 6

Date: 2021.07.13

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

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.385 S/m; ε_r = 39.652; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

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

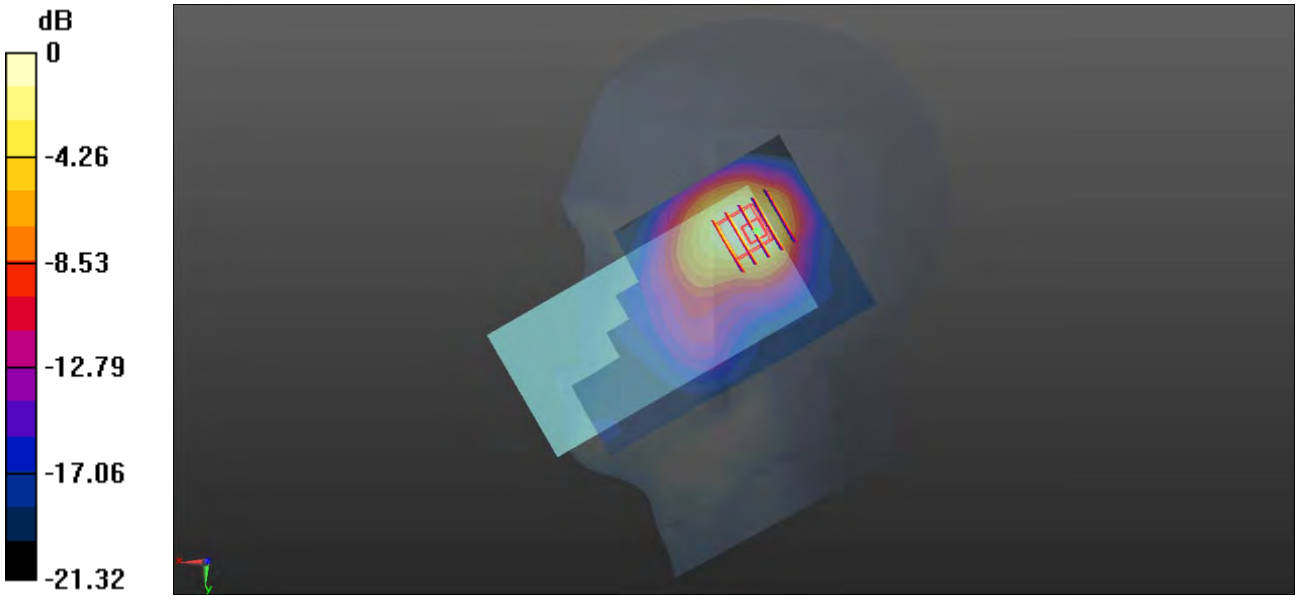
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.39 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.651 W/kg; SAR(10 g) = 0.330 W/kg

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



0 dB = 0.680 W/kg

16-Body Plane with Front Side 15mm on High Channel in WCDMA Band2 Mode With Antenna 1

Date: 2021.07.13

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

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.385 S/m; ε_r = 39.652; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.467 W/kg

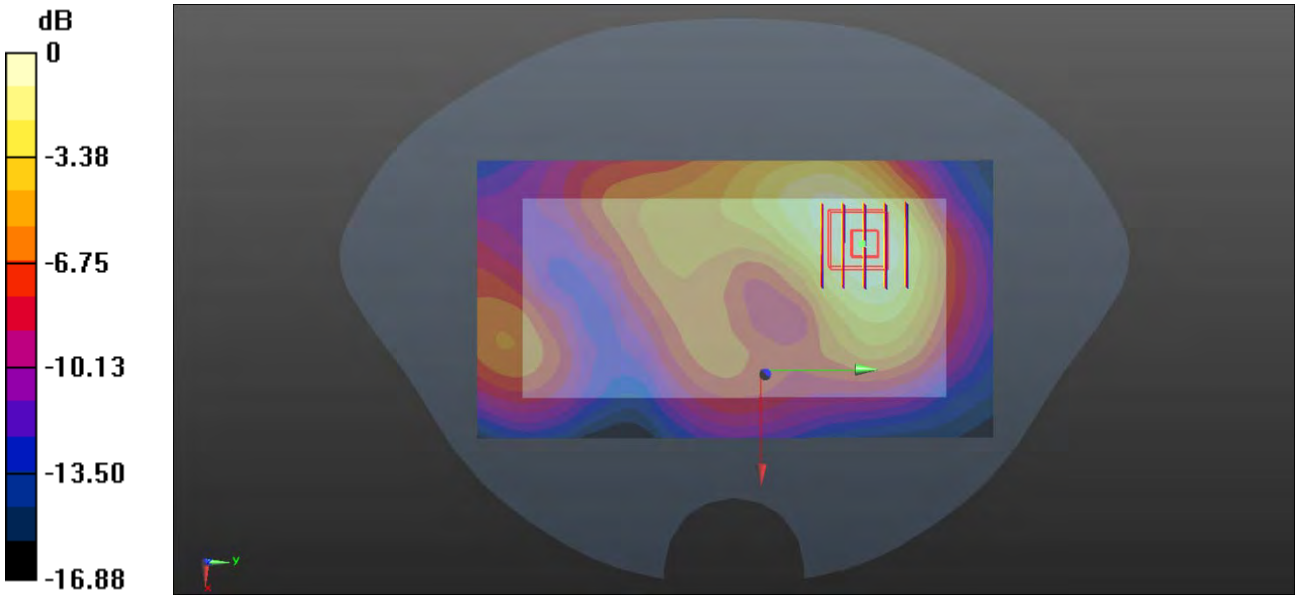
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.430 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.679 W/kg

SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.243 W/kg

Maximum value of SAR (measured) = 0.456 W/kg



0 dB = 0.456 W/kg

17-Body Plane with Front Side 10mm on Middle Channel in WCDMA Band2 Mode With Antenna 1

Date: 2021.07.13

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

Medium parameters used: f = 1880 MHz; σ = 1.369 S/m; ε_r = 39.982; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.656 W/kg

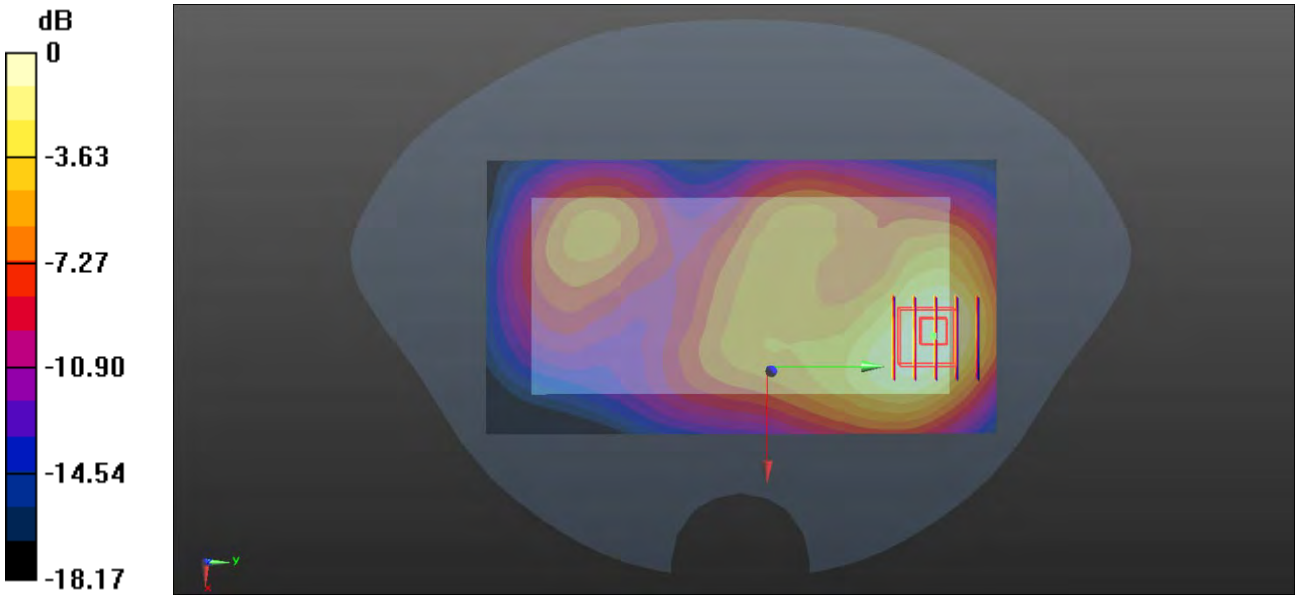
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.762 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.932 W/kg

SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.331 W/kg

Maximum value of SAR (measured) = 0.646 W/kg



0 dB = 0.646 W/kg

18-Body Plane with Back Side 4mm on High Channel in WCDMA Band2 Mode With Antenna 6

Date: 2021.07.13

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

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.385 S/m; ε_r = 39.652; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 1.48 W/kg

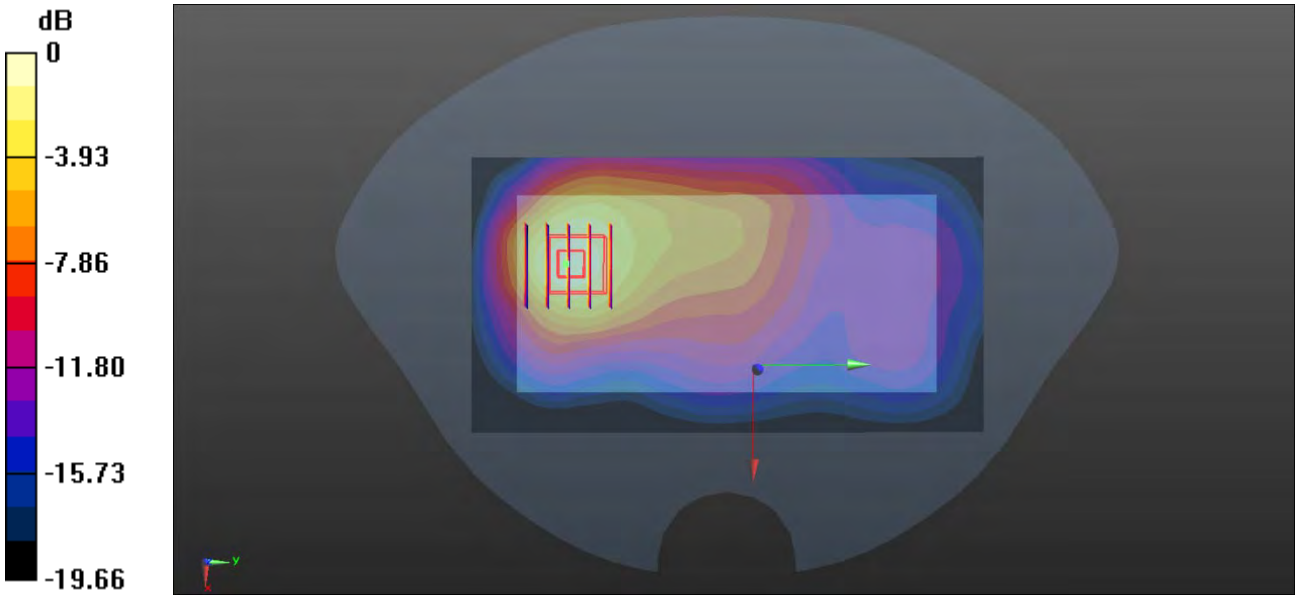
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.47 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 1.43 W/kg; SAR(10 g) = 0.839 W/kg

Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg

19-Right Head with Check on High Channel in WCDMA Band4 Mode With Antenna 6

Date: 2021.07.20

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

Medium parameters used: f = 1752.6 MHz; σ = 1.383 S/m; ε_r = 39.587; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.710 W/kg

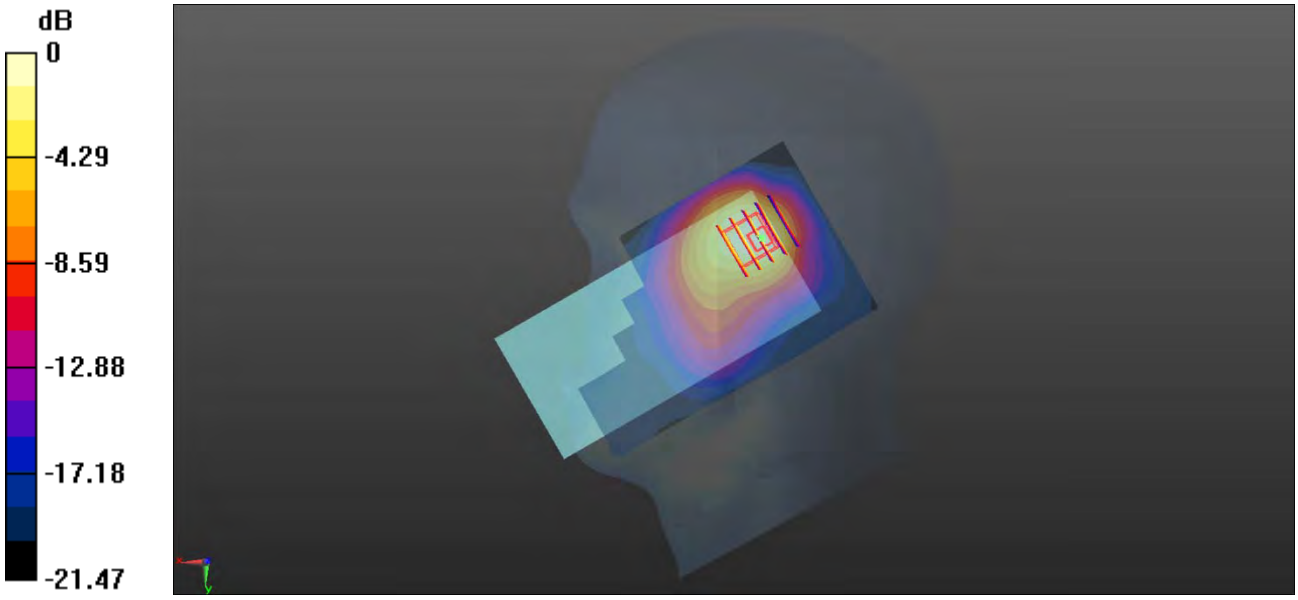
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.09 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.578 W/kg; SAR(10 g) = 0.323 W/kg

Maximum value of SAR (measured) = 0.663 W/kg



0 dB = 0.663 W/kg

20-Body Plane with Front Side 15mm on High Channel in WCDMA Band4 Mode With Antenna 1

Date: 2021.07.20

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

Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.383 S/m; ε_r = 39.587; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

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

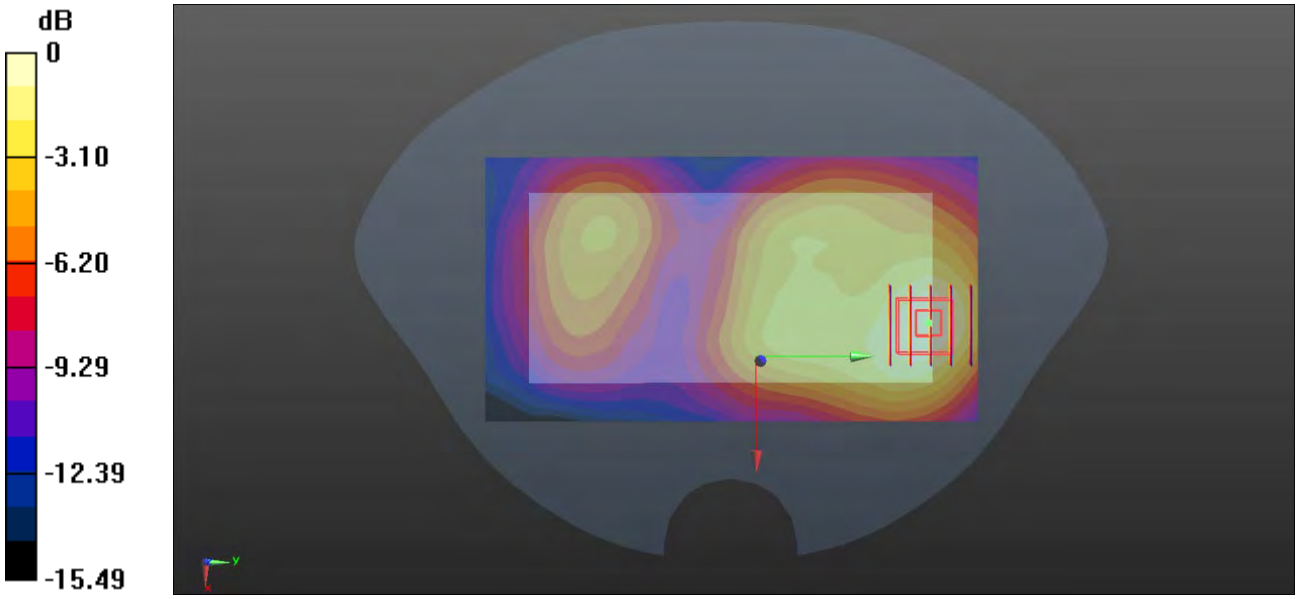
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.569 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.432 W/kg

SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.133 W/kg

Maximum value of SAR (measured) = 0.328 W/kg



0 dB = 0.328 W/kg

21-Body Plane with Front Side 10mm on High Channel in WCDMA Band4 Mode With Antenna 1

Date: 2021.07.20

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

Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.383 S/m; ε_r = 39.587; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.560 W/kg

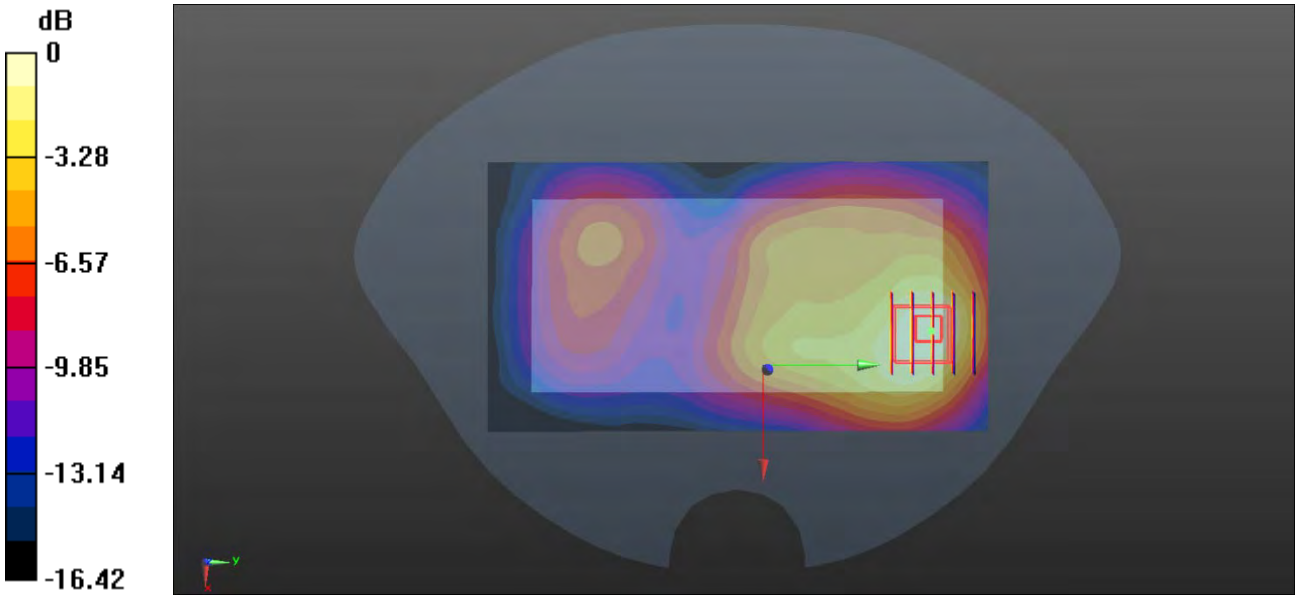
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.030 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.663 W/kg

SAR(1 g) = 0.467 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.557 W/kg



0 dB = 0.557 W/kg

22-Body Plane with Back Side 4mm on High Channel in WCDMA Band4 Mode With Antenna 6

Date: 2021.07.20

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

Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.383 S/m; ε_r = 39.587; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 1.32 W/kg

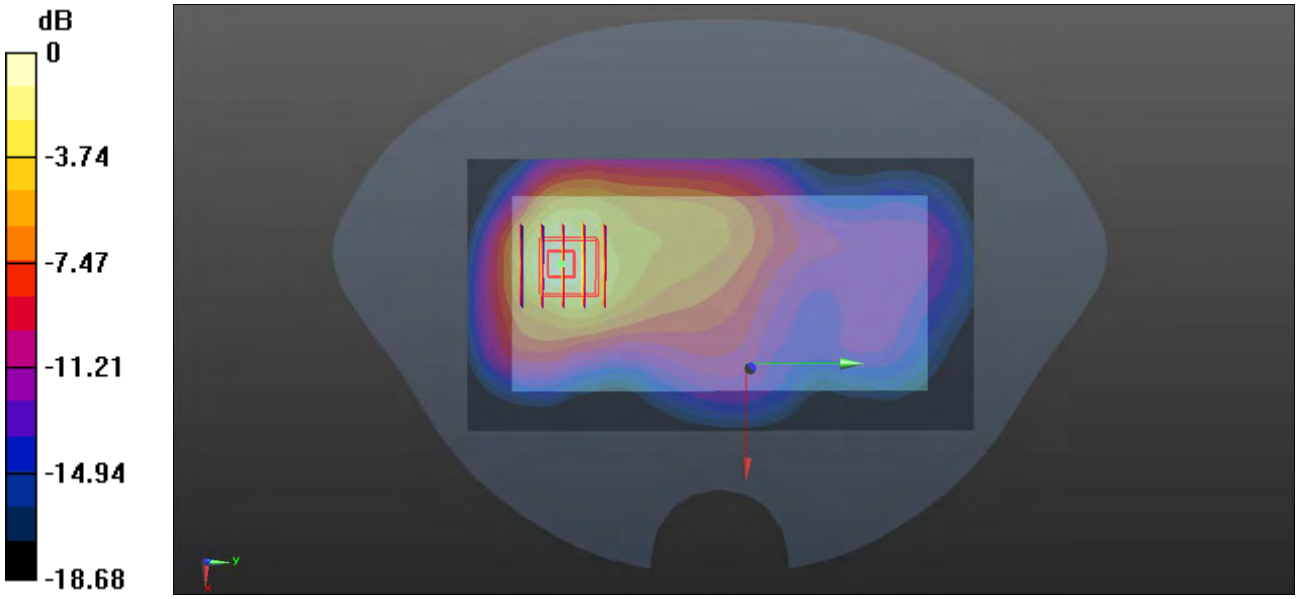
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.26 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.723 W/kg

Maximum value of SAR (measured) = 1.36 W/kg



0 dB = 1.36 W/kg

23-Right Head with Cheek on High Channel in WCDMA Band5 Mode With Antenna 6

Date: 2021.07.10

Communication System Band: V; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 846.6 MHz; σ = 0.95 S/m; ε_r = 42.115; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.717 W/kg

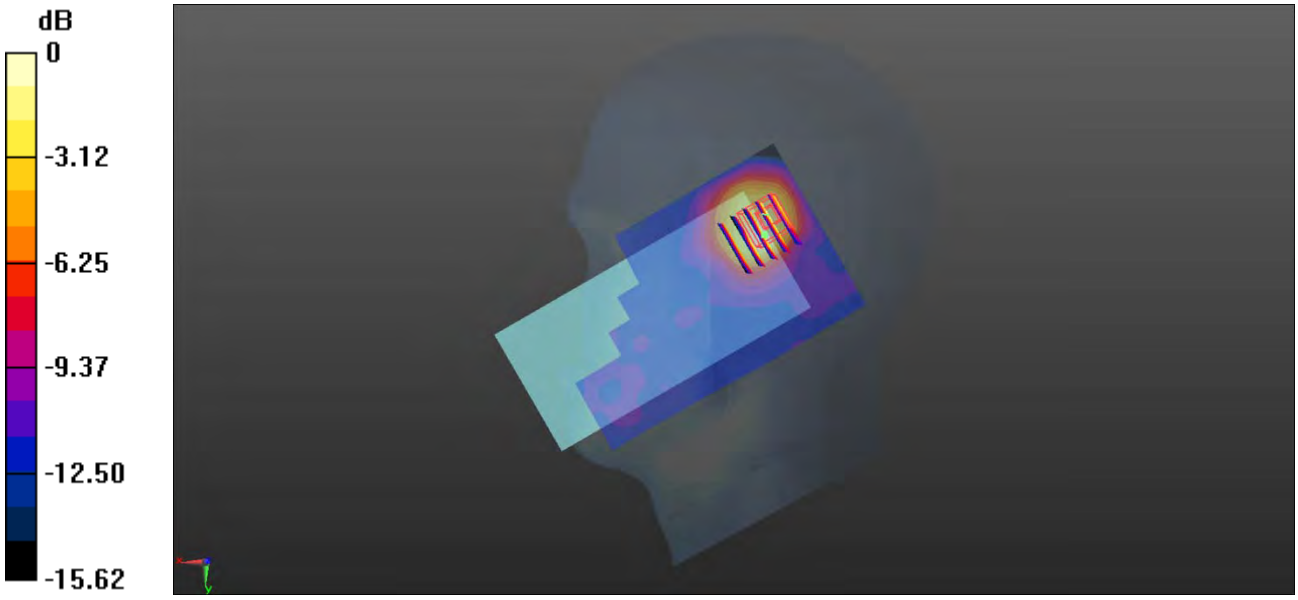
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.07 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.319 W/kg

Maximum value of SAR (measured) = 0.698 W/kg



0 dB = 0.698 W/kg

24-Body Plane with Front Side 15mm on High Channel in WCDMA Band5 Mode With Antenna 6

Date: 2021.07.10

Communication System Band: V; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 846.6 MHz; σ = 0.95 S/m; ε_r = 42.115; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.247 W/kg

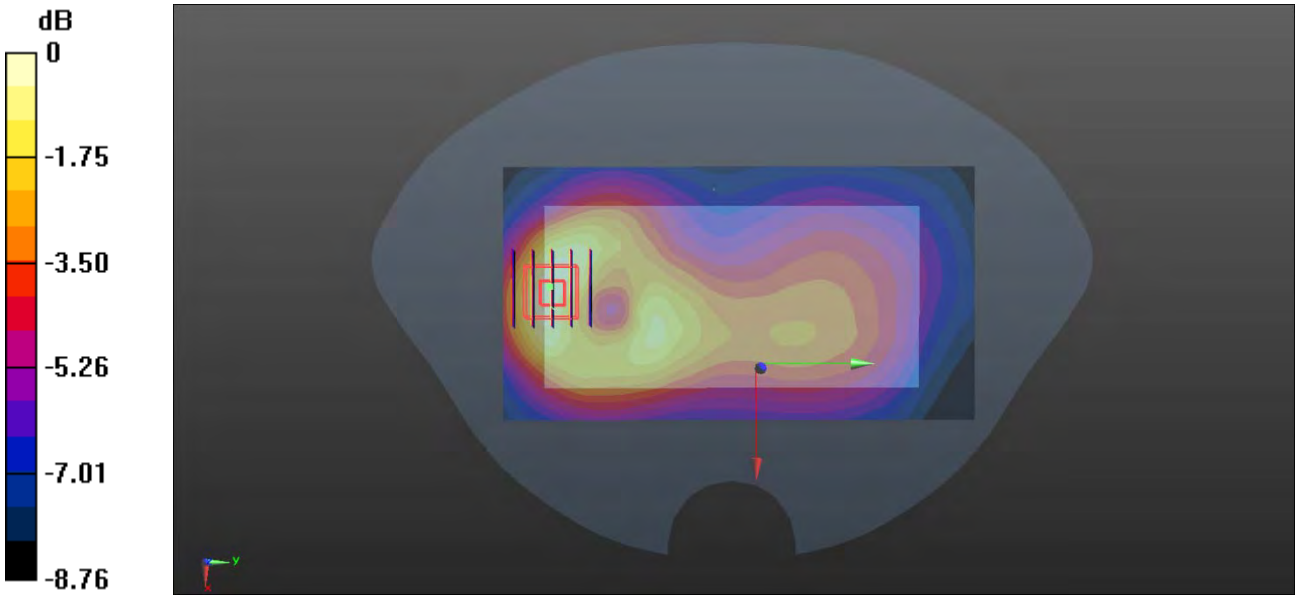
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.126 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.339 W/kg

SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.255 W/kg



0 dB = 0.255 W/kg

25-Body Plane with Back Side 10mm on High Channel in WCDMA Band5 Mode With Antenna 1

Date: 2021.07.10

Communication System Band: V; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 846.6 MHz; σ = 0.95 S/m; ε_r = 42.115; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

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

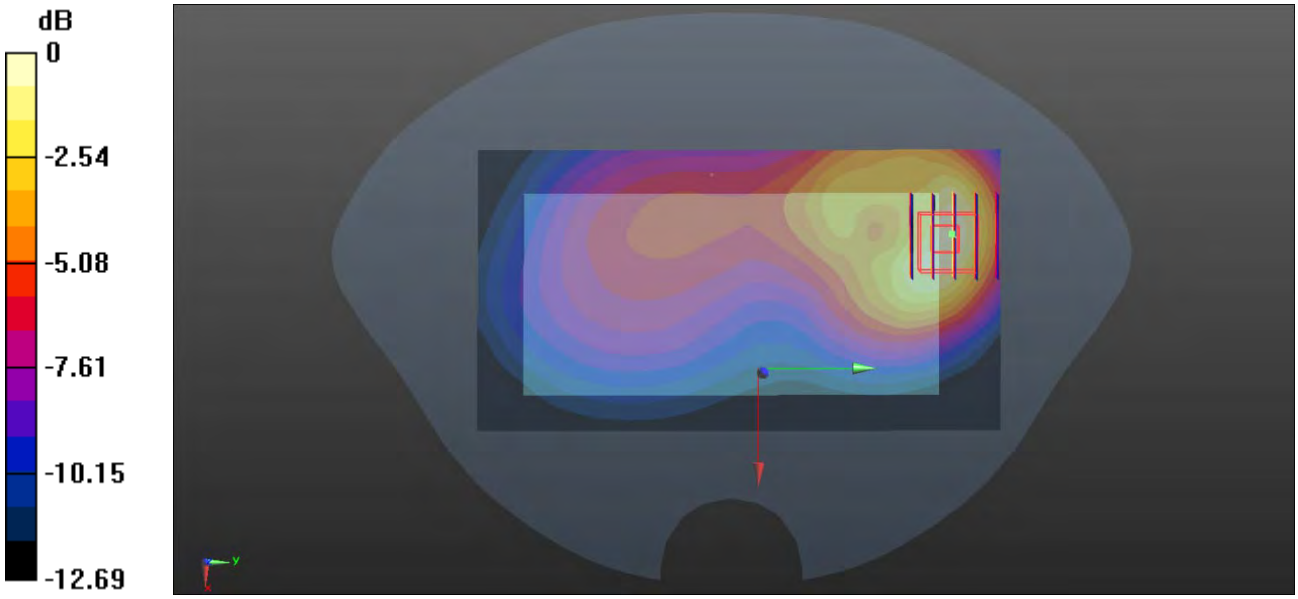
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.840 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.639 W/kg

SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.240 W/kg

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



0 dB = 0.460 W/kg

26-Body Plane with Front Side 4mm on High Channel in WCDMA Band5 Mode With Antenna 6

Date: 2021.07.10

Communication System Band: V; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 846.6 MHz; σ = 0.95 S/m; ε_r = 42.115; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

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

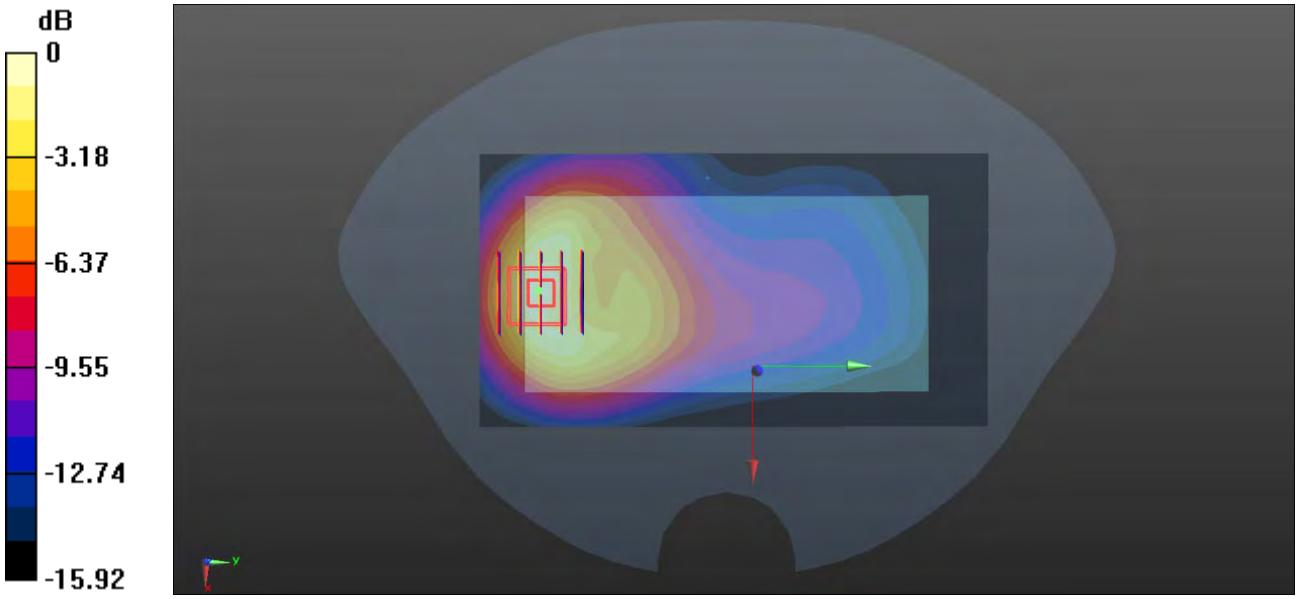
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.56 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.611 W/kg

Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg

27-Right Head with Check on Middle Channel in LTE Band2 Mode With Antenna 6

Date: 2021.07.13

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

Medium parameters used: f = 1880 MHz; σ = 1.369 S/m; ε_r = 39.982; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.576 W/kg

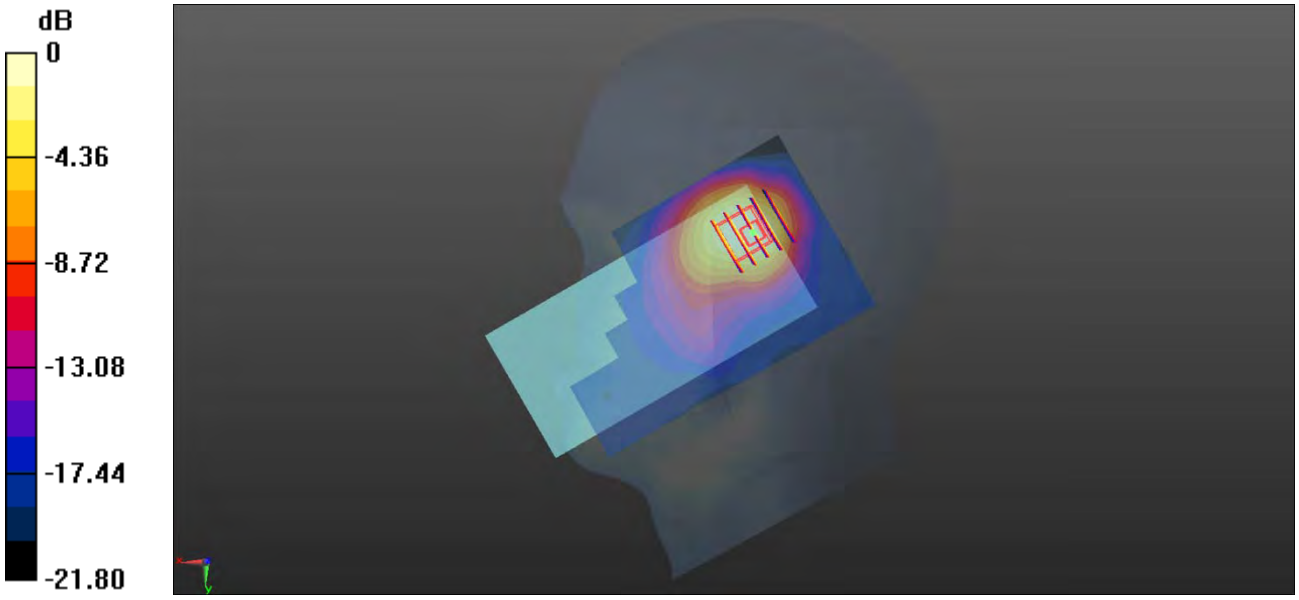
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.94 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.877 W/kg

SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.250 W/kg

Maximum value of SAR (measured) = 0.523 W/kg



0 dB = 0.523 W/kg

28-Body Plane with Front Side 15mm on Middle Channel in LTE Band2 Mode With Antenna 1

Date: 2021.07.13

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

Medium parameters used: f = 1800 MHz; σ = 1.369 S/m; ε_r = 39.982; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.433 W/kg

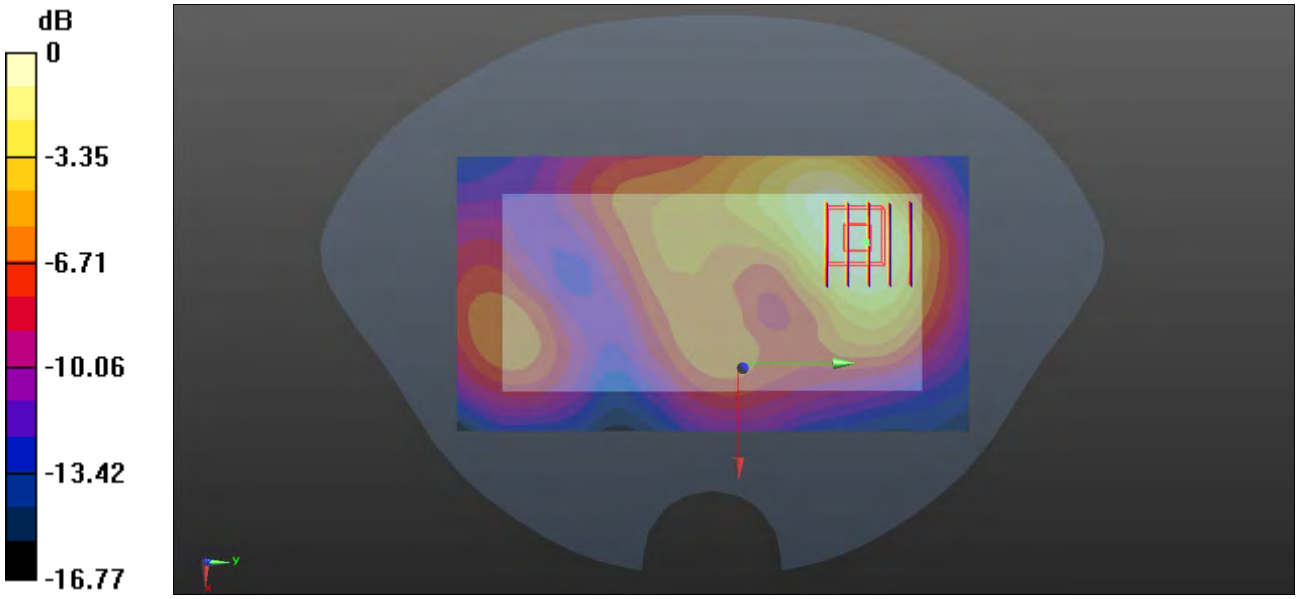
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.090 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.532 W/kg

SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.229 W/kg

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



0 dB = 0.425 W/kg

29-Body Plane with Front Side 10mm on Middle Channel in LTE Band2 Mode With Antenna 1

Date: 2021.07.13

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

Medium parameters used: f = 1880 MHz; σ = 1.369 S/m; ε_r = 39.982; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.461 W/kg

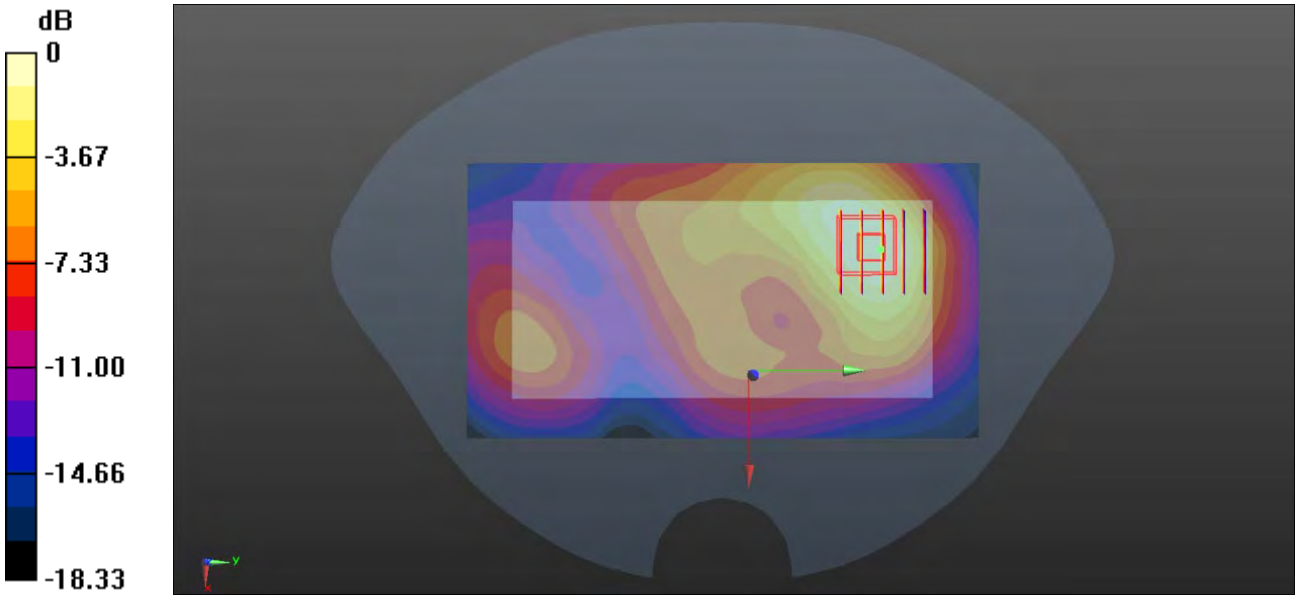
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.786 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.575 W/kg

SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.225 W/kg

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



0 dB = 0.447 W/kg

30-Body Plane with Back Side 4mm on Middle Channel in LTE Band2 Mode With Antenna 6

Date: 2021.07.13

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

Medium parameters used: f = 1880 MHz; σ = 1.369 S/m; ε_r = 39.982; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 1.35 W/kg

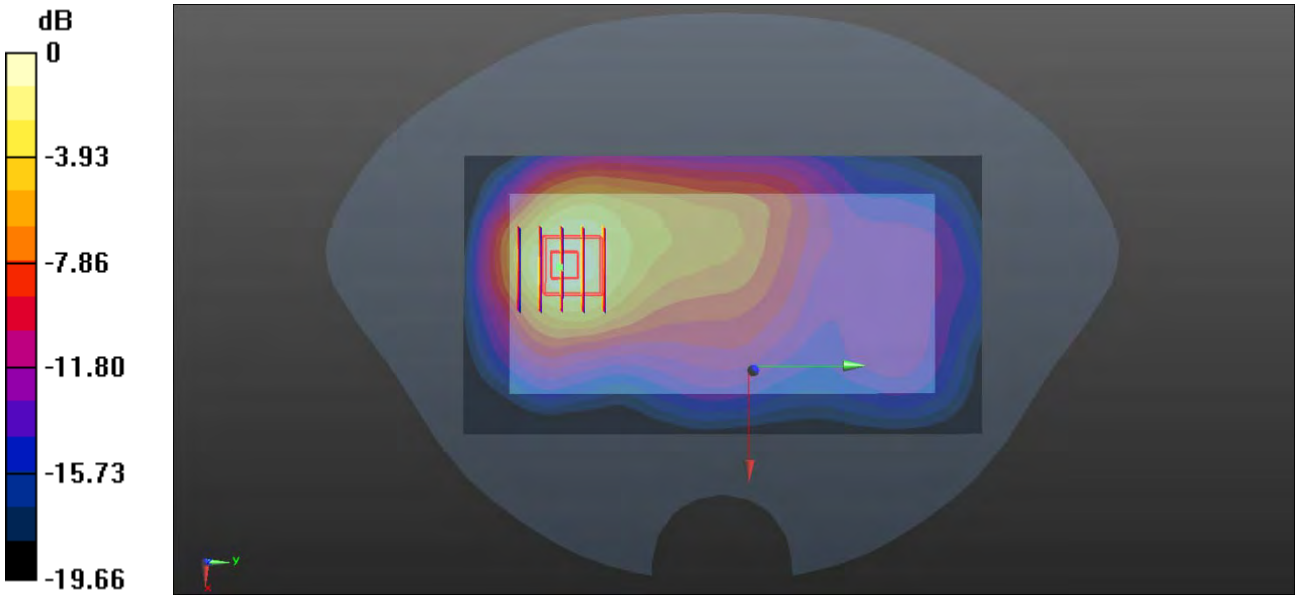
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.24 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.679 W/kg

Maximum value of SAR (measured) = 1.36 W/kg



0 dB = 1.36 W/kg

31-Right Head with Check on Middle Channel in LTE Band4 Mode With Antenna 6

Date: 2021.07.12

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

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.368 S/m; ε_r = 39.438; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.545 W/kg

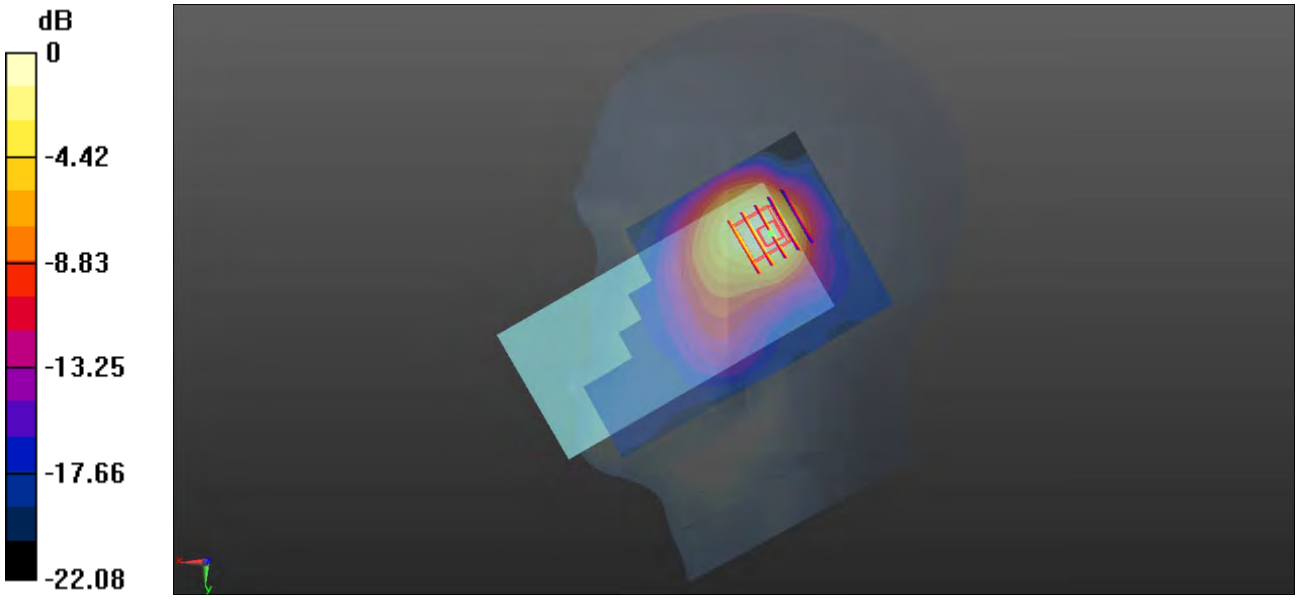
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.32 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.826 W/kg

SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.254 W/kg

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



0 dB = 0.532 W/kg

32-Body Plane with Front Side 15mm on Middle Channel in LTE Band4 Mode With Antenna 6

Date: 2021.07.12

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

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.368 S/m; ε_r = 39.438; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.397 W/kg

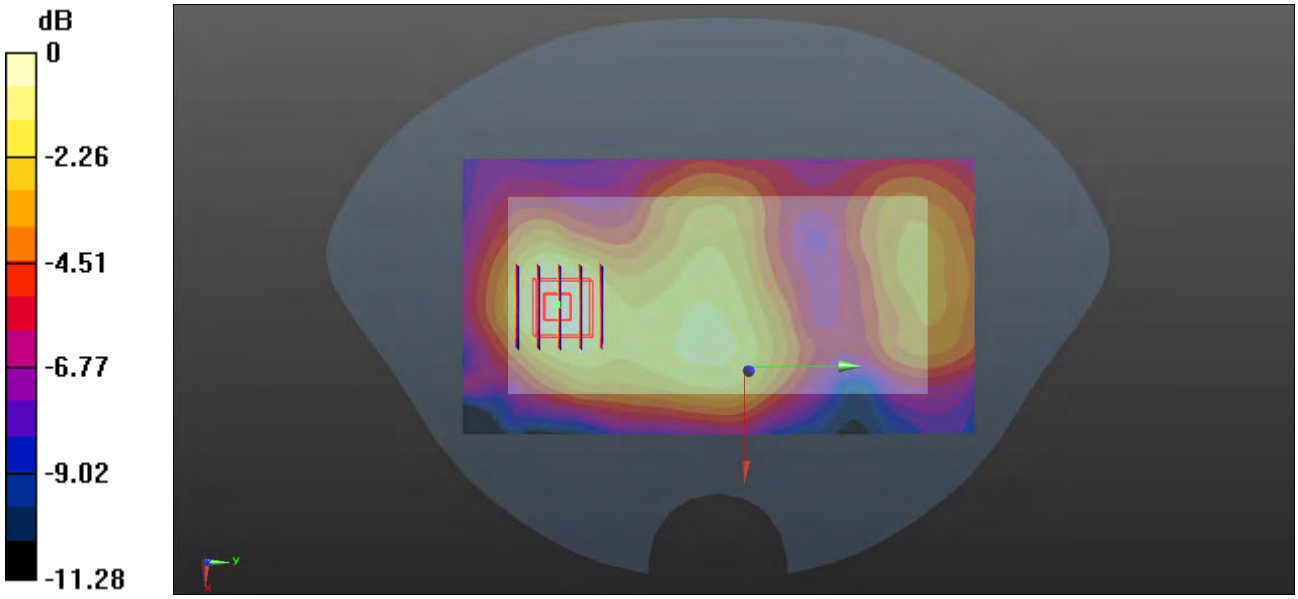
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.157 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.450 W/kg

SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.103 W/kg

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



0 dB = 0.386 W/kg

33-Body Plane with Front Side 10mm on Middle Channel in LTE Band4 Mode With Antenna 1

Date: 2021.07.12

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

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.368 S/m; ε_r = 39.438; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.584 W/kg

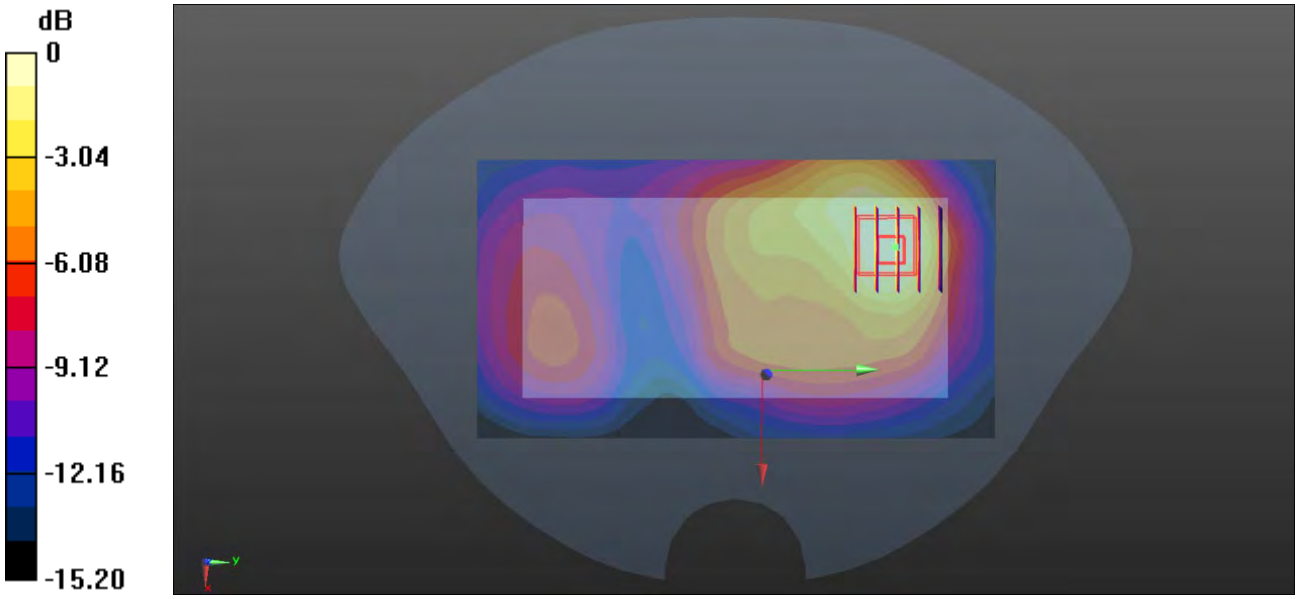
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.630 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.647 W/kg

SAR(1 g) = 0.454 W/kg; SAR(10 g) = 0.219 W/kg

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



0 dB = 0.578 W/kg

34-Body Plane with Back Side 4mm on Middle Channel in LTE Band4 Mode With Antenna 6

Date: 2021.07.12

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

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.368 S/m; ε_r = 39.438; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 1.30 W/kg

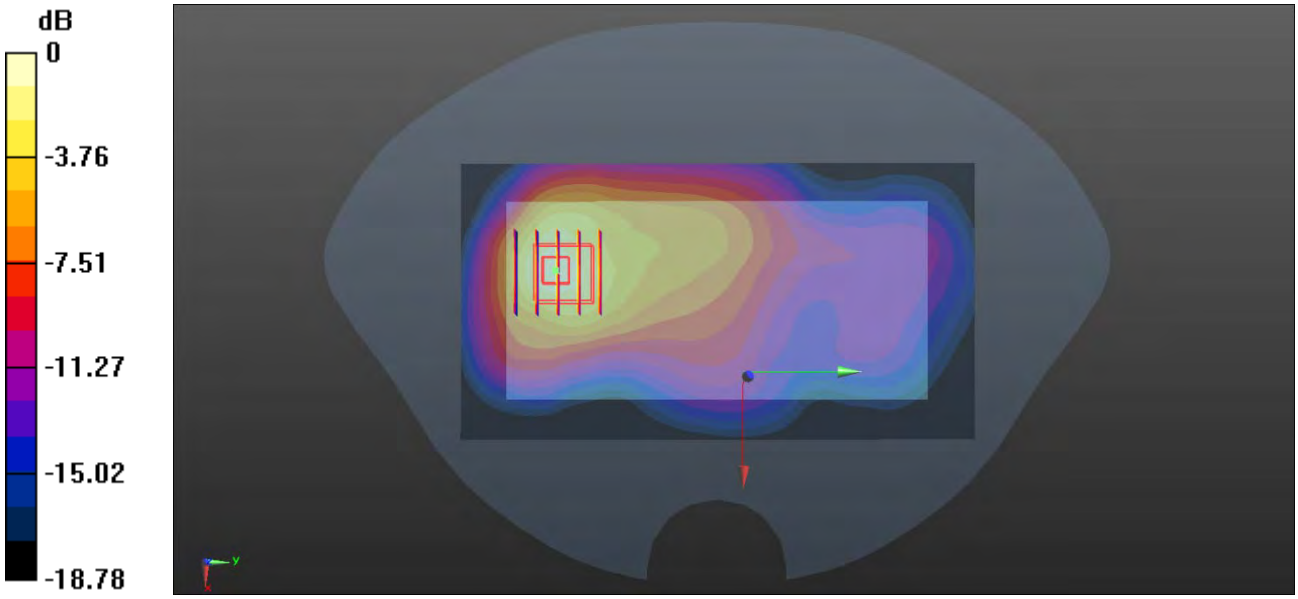
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.27 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.731 W/kg

Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg

35-Right Head with Cheek on High Channel in LTE Band5 Mode With Antenna 6

Date: 2021.07.10

Communication System Band: Band 5; Frequency: 844 MHz;Duty Cycle: 1:1

Medium parameters used: f = 844 MHz; σ = 0.893 S/m; ε_r = 42.174; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch20600/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.648 W/kg

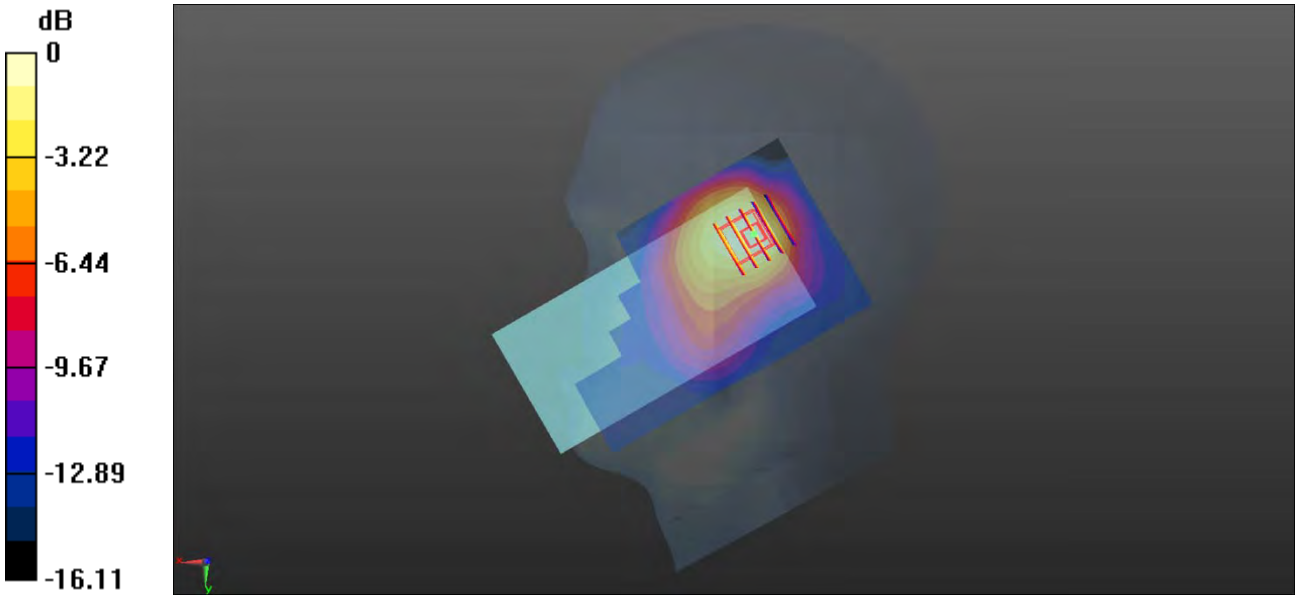
Ch20600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.01 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 0.592 W/kg



0 dB = 0.592 W/kg

36-Body Plane with Front Side 15mm on High Channel in LTE Band5 Mode With Antenna 6

Date: 2021.07.10

Communication System Band: Band 5; Frequency: 844 MHz;Duty Cycle: 1:1

Medium parameters used: f = 844 MHz; σ = 0.893 S/m; ε_r = 42.174; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch20600/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.371 W/kg

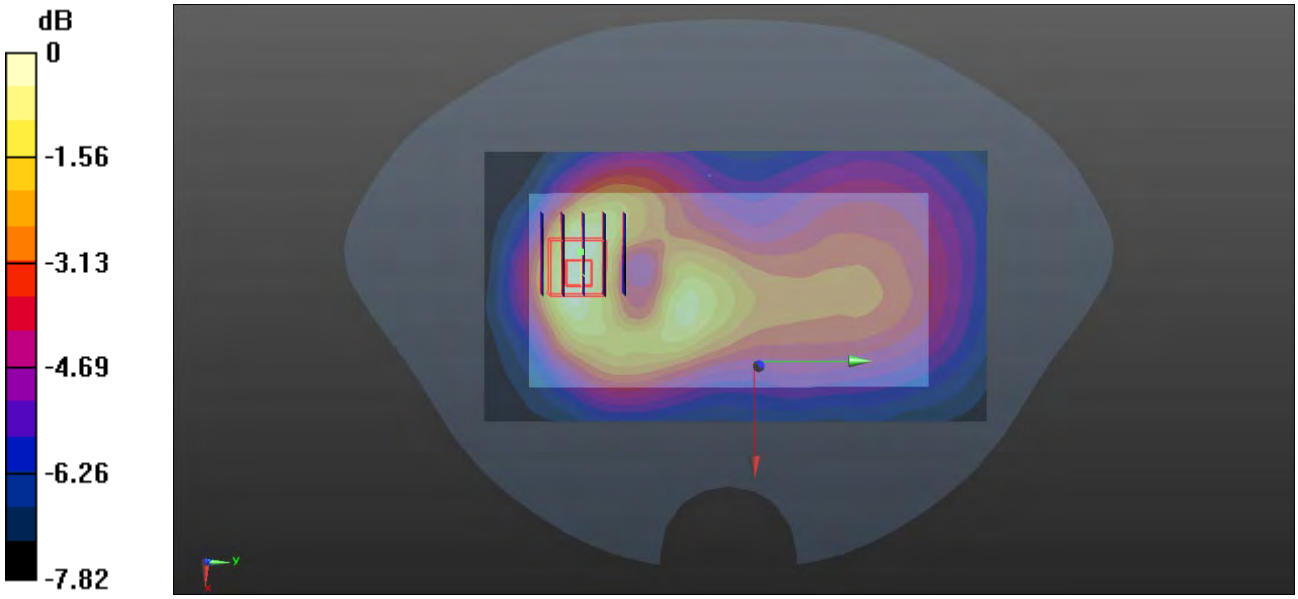
Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.190 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.461 W/kg

SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.364 W/kg



0 dB = 0.364 W/kg

37-Body Plane with Back Side 10mm on High Channel in LTE Band5 Mode With Antenna 1

Date: 2021.07.10

Communication System Band: Band 5; Frequency: 844 MHz;Duty Cycle: 1:1

Medium parameters used: f = 844 MHz; σ = 0.893 S/m; ε_r = 42.174; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch20600/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.364 W/kg

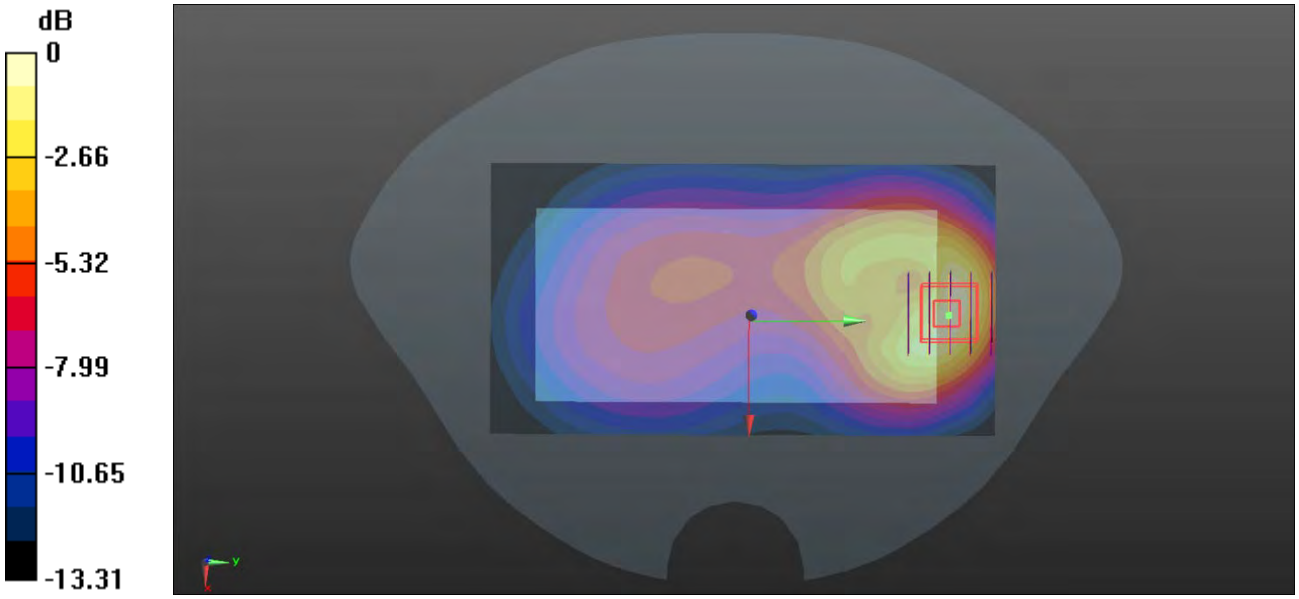
Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.478 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.606 W/kg

SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.189 W/kg

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



0 dB = 0.363 W/kg

38-Body Plane with Front Side 4mm on High Channel in LTE Band5 Mode With Antenna 6

Date: 2021.07.10

Communication System Band: Band 5; Frequency: 844 MHz;Duty Cycle: 1:1

Medium parameters used: f = 844 MHz; σ = 0.893 S/m; ε_r = 42.174; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch20600/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

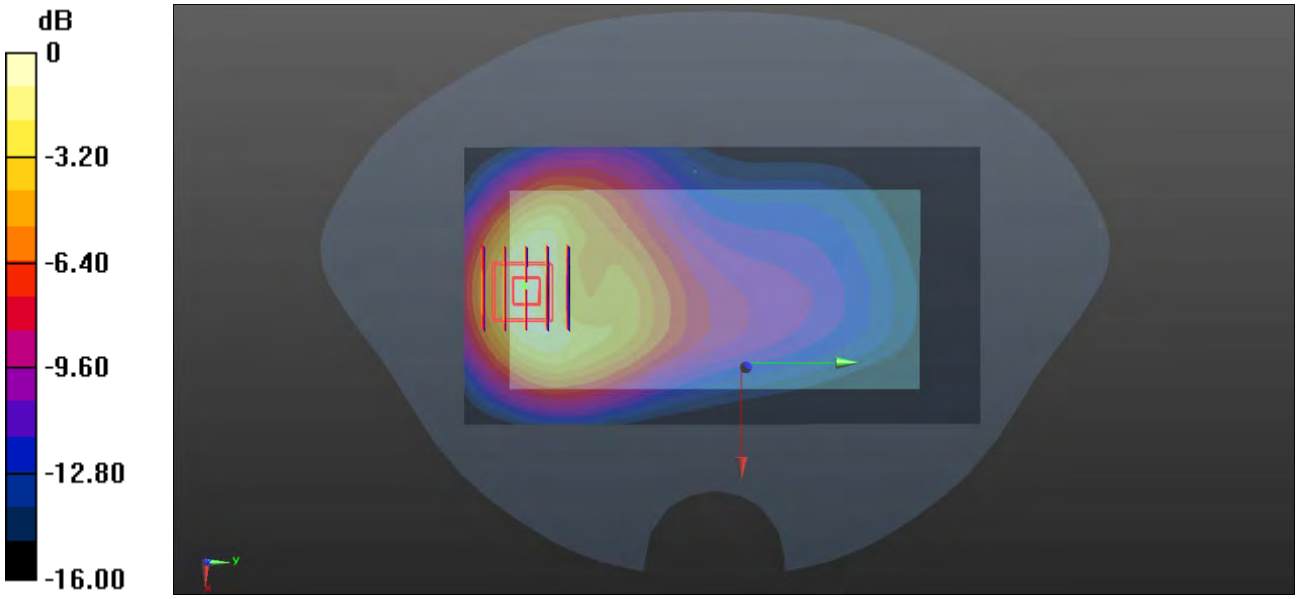
Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.95 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.574 W/kg

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



0 dB = 1.08 W/kg

39-Right with Tilt on Middle Channel in LTE Band7 Mode With Antenna 6

Date: 2021.07.14

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

Medium parameters used: f = 2535 MHz; σ = 1.921 S/m; ε_r = 38.796; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.600 W/kg

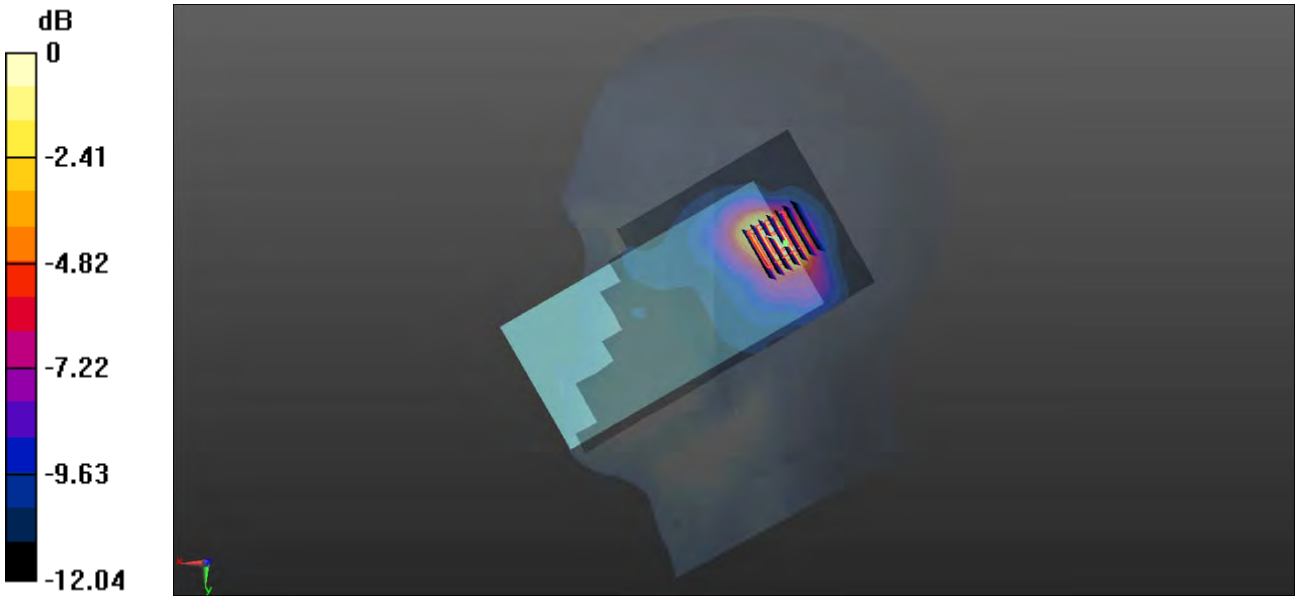
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.98 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.939 W/kg

SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.221 W/kg

Maximum value of SAR (measured) = 0.500 W/kg



0 dB = 0.500 W/kg

40-Body Plane with Back Side 15mm on Middle Channel in LTE Band7 Mode With Antenna 6

Date: 2021.07.14

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

Medium parameters used: f = 2535 MHz; σ = 1.921 S/m; ε_r = 38.796; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.701 W/kg

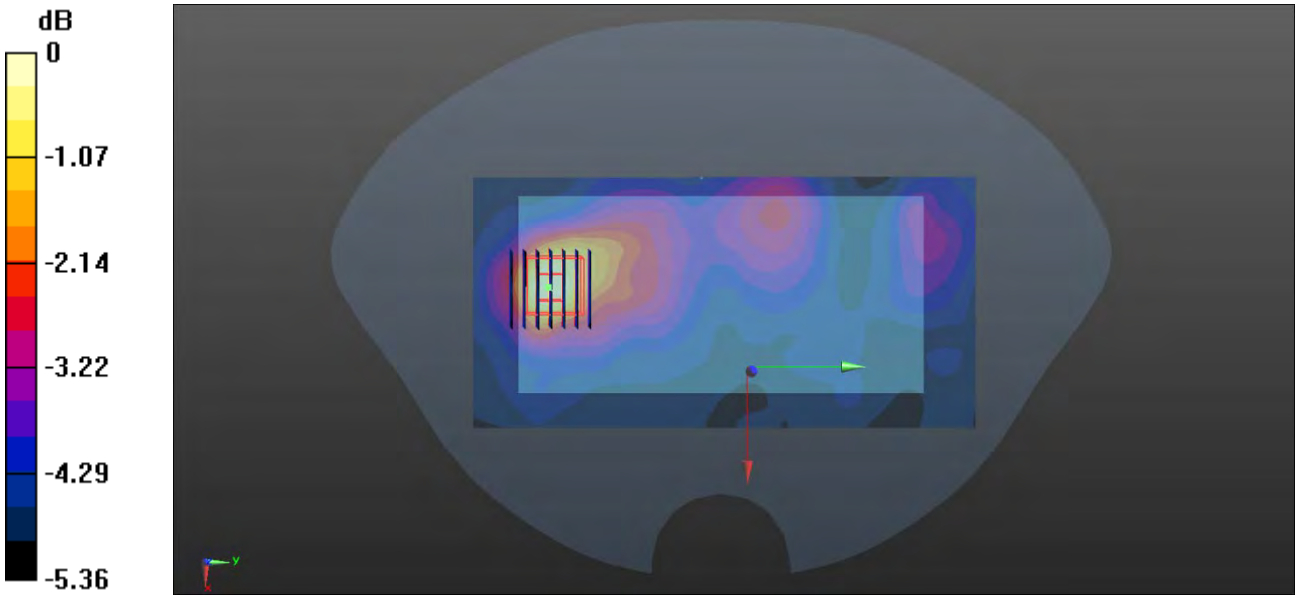
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.121 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.855 W/kg

SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.255 W/kg

Maximum value of SAR (measured) = 0.734 W/kg



0 dB = 0.734 W/kg

41-Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band7 Mode With Antenna 1

Date: 2021.07.14

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

Medium parameters used: f = 2535 MHz; σ = 1.921 S/m; ε_r = 38.796; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (71x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

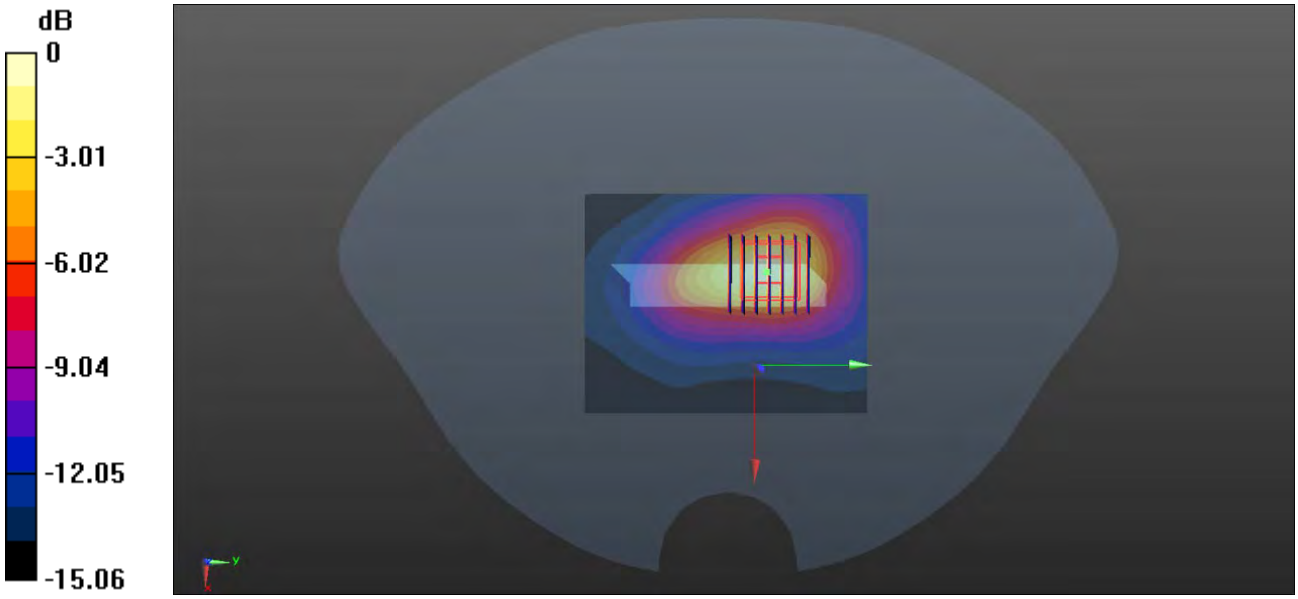
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.30 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.907 W/kg; SAR(10 g) = 0.440 W/kg

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



0 dB = 1.02 W/kg

42-Body Plane with Top Edge 0mm on Middle Channel in LTE Band7 Mode With Antenna 6

Date: 2021.07.14

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

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.821 S/m; ε_r = 38.796; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.784 W/kg

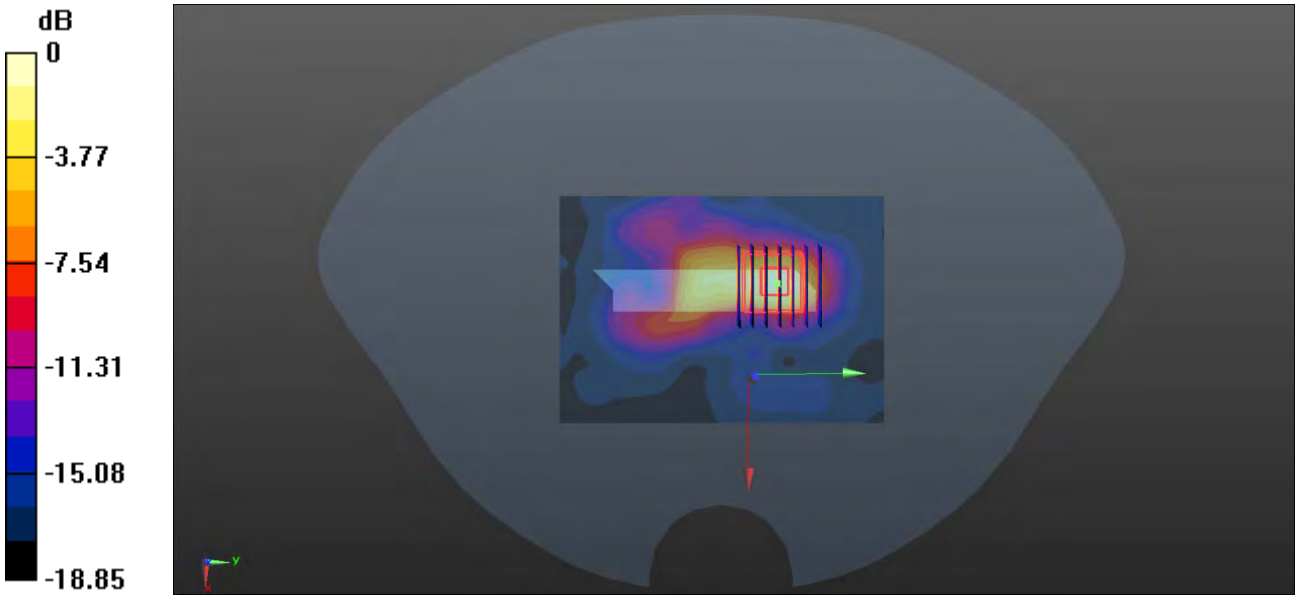
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.62 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.209 W/kg

Maximum value of SAR (measured) = 0.675 W/kg



0 dB = 0.675 W/kg

43-Body Plane with Top Edge 4mm on Middle Channel in LTE Band7 Mode With Antenna 6

Date: 2021.07.14

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

Medium parameters used: f = 2535 MHz; σ = 1.921 S/m; ε_r = 38.796; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (71x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 2.94 W/kg

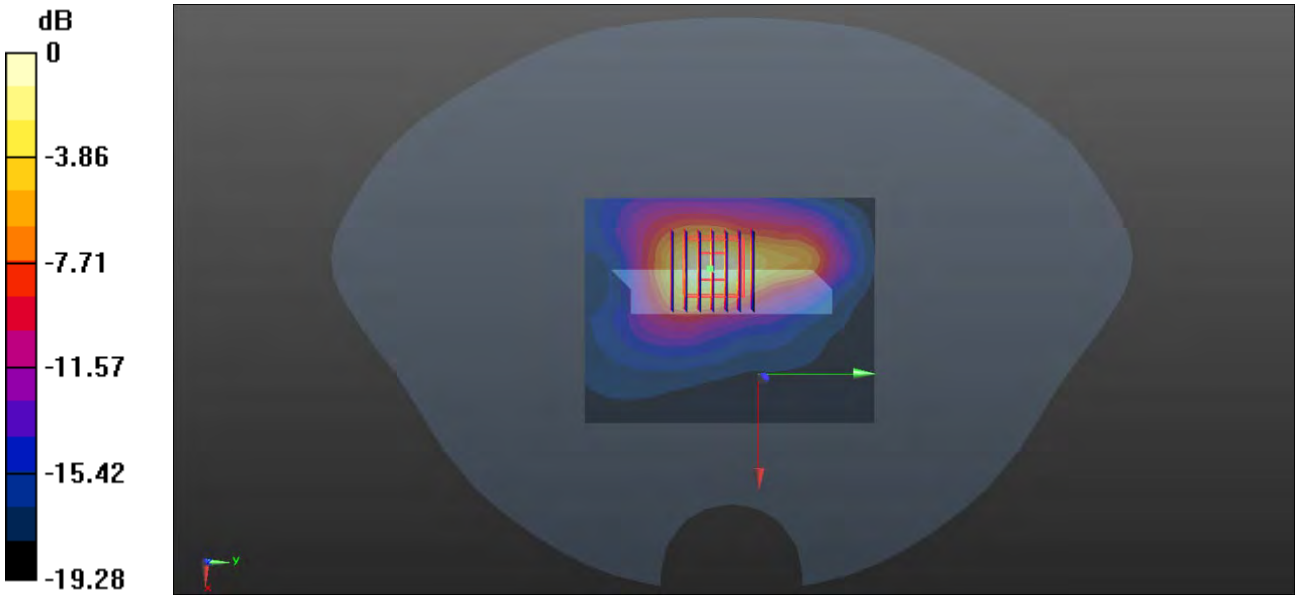
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.71 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 5.69 W/kg

SAR(1 g) = 2.49 W/kg; SAR(10 g) = 1.06 W/kg

Maximum value of SAR (measured) = 2.87 W/kg



0 dB = 2.87 W/kg

44-Right Head with Cheek on Low Channel in LTE Band12 Mode With Antenna 6

Date: 2021.07.29

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

Medium parameters used (interpolated): f = 704 MHz; σ = 0.884 S/m; ε_r = 41.884; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.9

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.31, 10.31, 10.31); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.345 W/kg

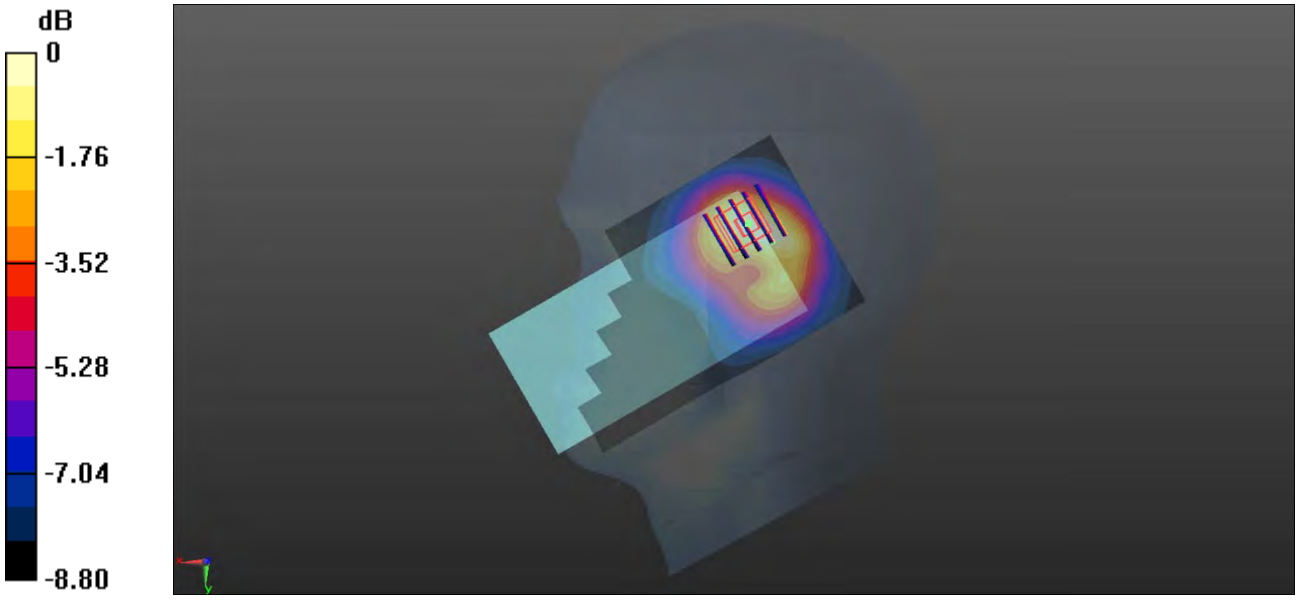
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.722 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.458 W/kg

SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.351 W/kg



0 dB = 0.351 W/kg

45-Body Plane with Front Side 15mm on Low Channel in LTE Band12 Mode With Antenna 6

Date: 2021.07.29

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

Medium parameters used: f = 704 MHz; σ = 0.884 S/m; ε_r = 41.884; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.9

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.31, 10.31, 10.31); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.79 W/kg

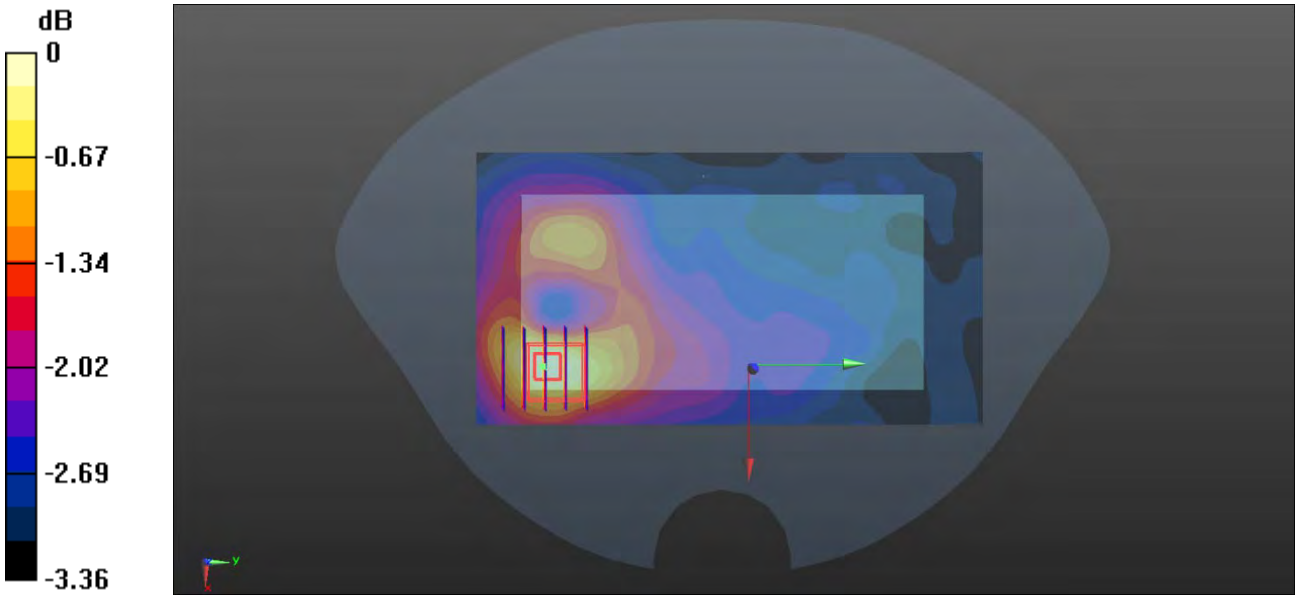
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.188 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.190 W/kg

SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.023 W/kg

Maximum value of SAR (measured) = 0.65 W/kg



0 dB = 0.65 W/kg

46-Body Plane with Back Side 10mm on Low Channel in LTE Band12 Mode With Antenna 1

Date: 2021.07.29

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

Medium parameters used: f = 704 MHz; σ = 0.884 S/m; ε_r = 41.884; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.9

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.31, 10.31, 10.31); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.101 W/kg

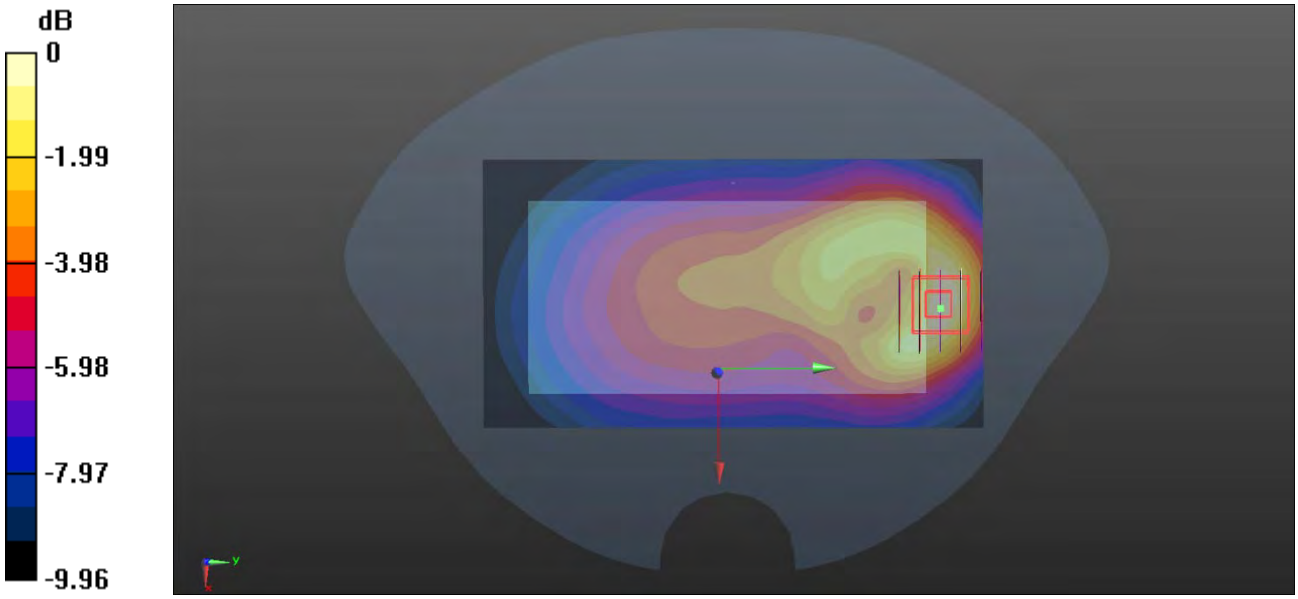
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.835 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.056 W/kg

Maximum value of SAR (measured) = 0.102 W/kg



0 dB = 0.102 W/kg

47-Right Head with Cheek on Low Channel in LTE Band26 Mode With Antenna 6

Date: 2021.07.11

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

Medium parameters used (interpolated): f = 821.5 MHz; σ = 0.902 S/m; ε_r = 41.523; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch26765/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.557 W/kg

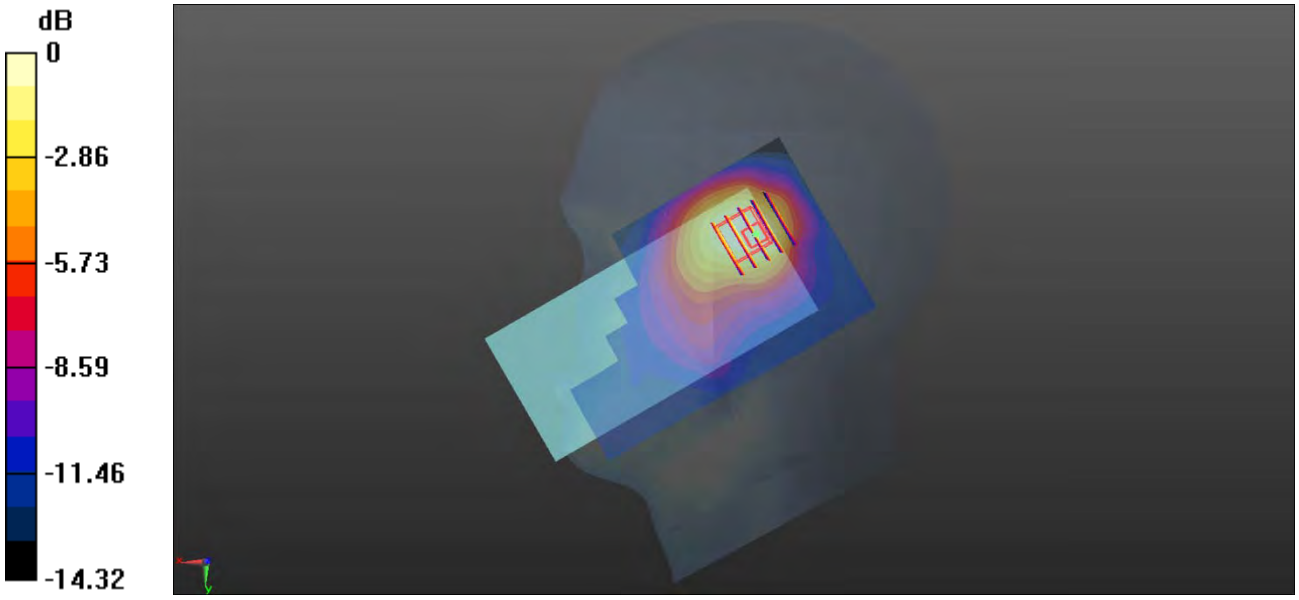
Ch26765/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.31 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.259 W/kg

Maximum value of SAR (measured) = 0.544 W/kg



0 dB = 0.544 W/kg

48-Body Plane with Front Side 15mm on Low Channel in LTE Band26 Mode With Antenna 6

Date: 2021.07.11

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

Medium parameters used (interpolated): f = 821.5 MHz; σ = 0.902 S/m; ε_r = 41.523; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.182 W/kg

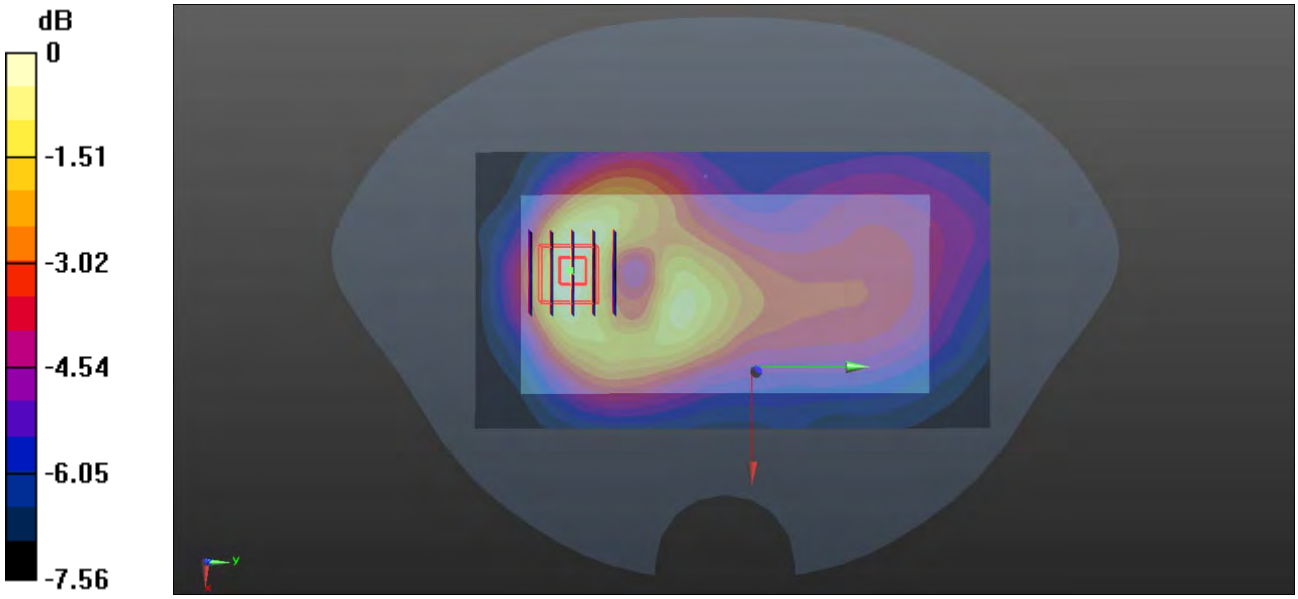
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.978 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.279 W/kg

SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.081 W/kg

Maximum value of SAR (measured) = 0.176 W/kg



0 dB = 0.176 W/kg

49-Body Plane with Back Side 10mm on Low Channel in LTE Band26 Mode With Antenna 1

Date: 2021.07.11

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

Medium parameters used (interpolated): f = 821.5 MHz; σ = 0.902 S/m; ε_r = 41.523; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.209 W/kg

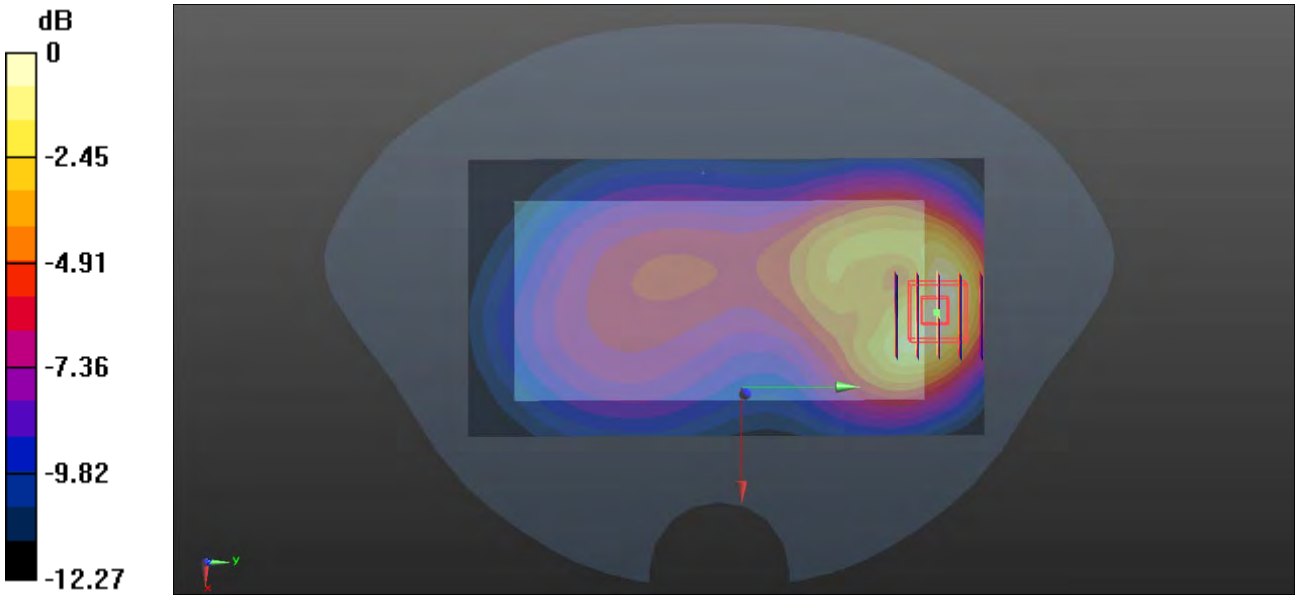
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.525 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.351 W/kg

SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.214 W/kg



0 dB = 0.214 W/kg

50-Body Plane with Front Side 4mm on Low Channel in LTE Band26 Mode With Antenna 6

Date: 2021.07.11

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

Medium parameters used (interpolated): f = 821.5 MHz; σ = 0.902 S/m; ε_r = 41.523; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 1.21 W/kg

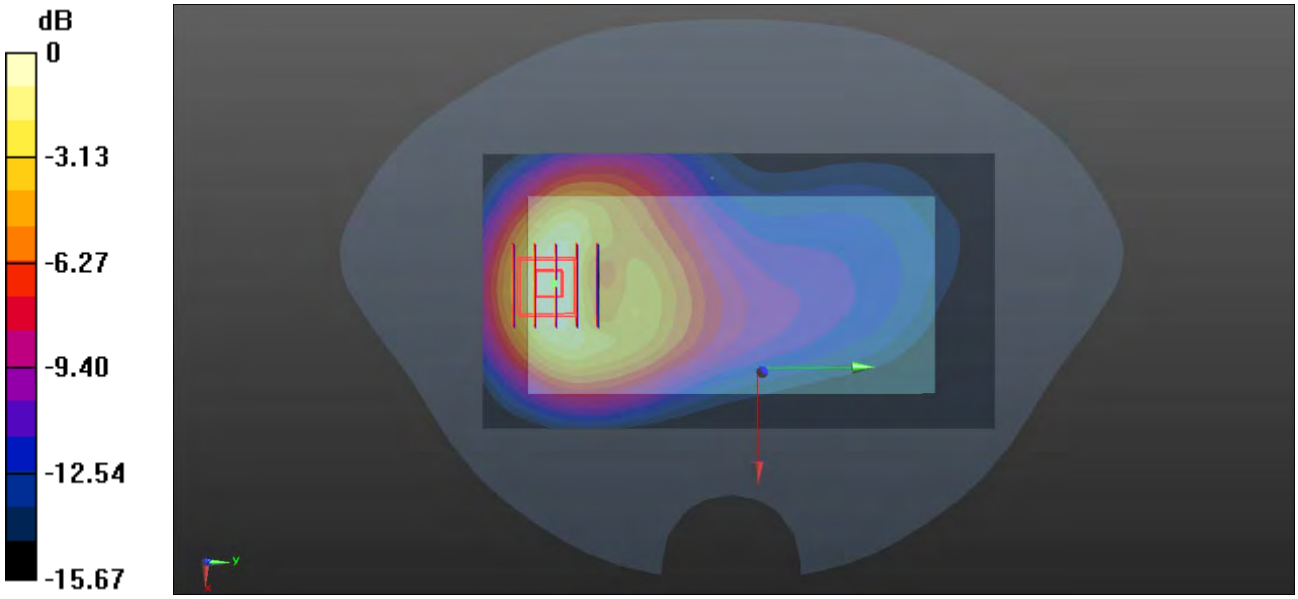
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.47 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.967 W/kg; SAR(10 g) = 0.549 W/kg

Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg

51-Right Head with Check on Middle Channel in LTE Band66 Mode With Antenna 6

Date: 2021.07.21

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.405 S/m; ε_r = 39.264; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.231 W/kg

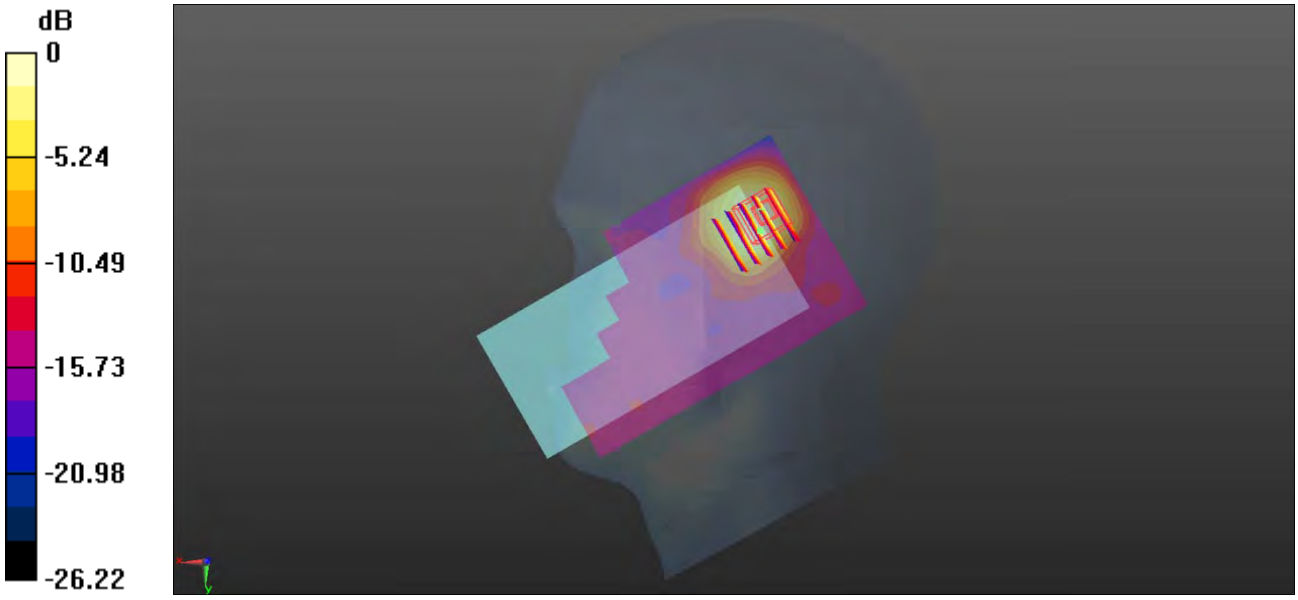
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.037 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.113 W/kg

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



0 dB = 0.238 W/kg

52-Body Plane with Front Side 15mm on Middle Channel in LTE Band66 Mode With Antenna 1

Date: 2021.07.21

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.405 S/m; ε_r = 39.264; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.112 W/kg

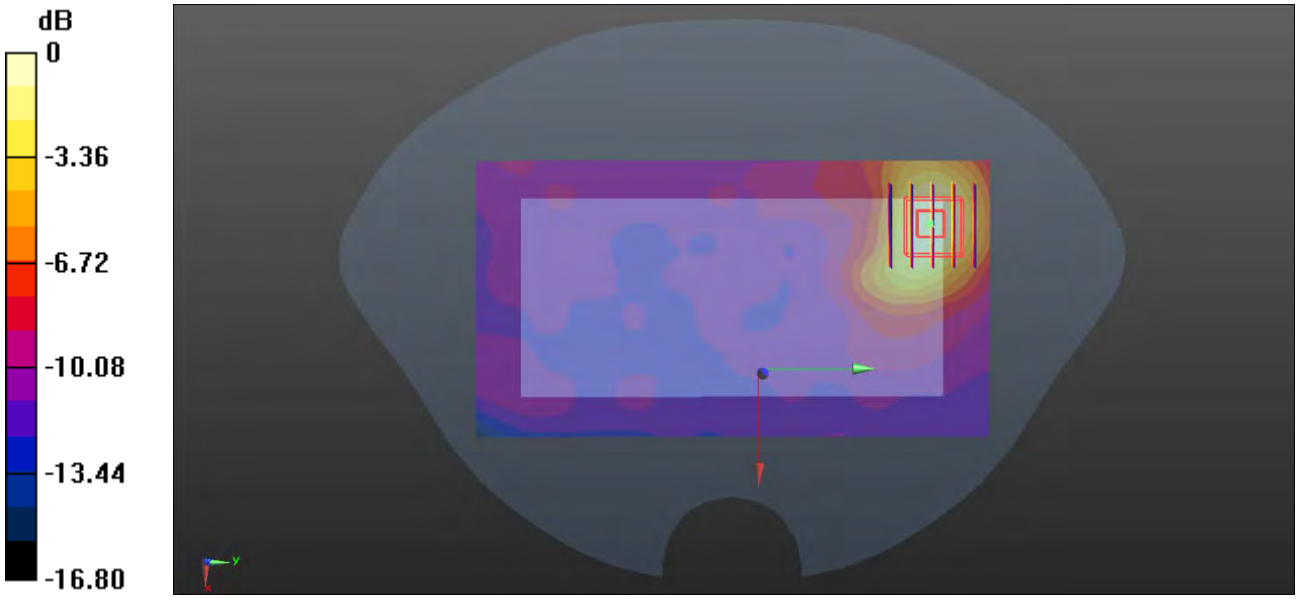
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.209 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.142 W/kg

SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.054 W/kg

Maximum value of SAR (measured) = 0.114 W/kg



0 dB = 0.114 W/kg

53-Body Plane with Bottom Edge 10mm on Low Channel in LTE Band66 Mode With Antenna 1

Date: 2021.07.21

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.405 S/m; ε_r = 39.264; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.397 W/kg

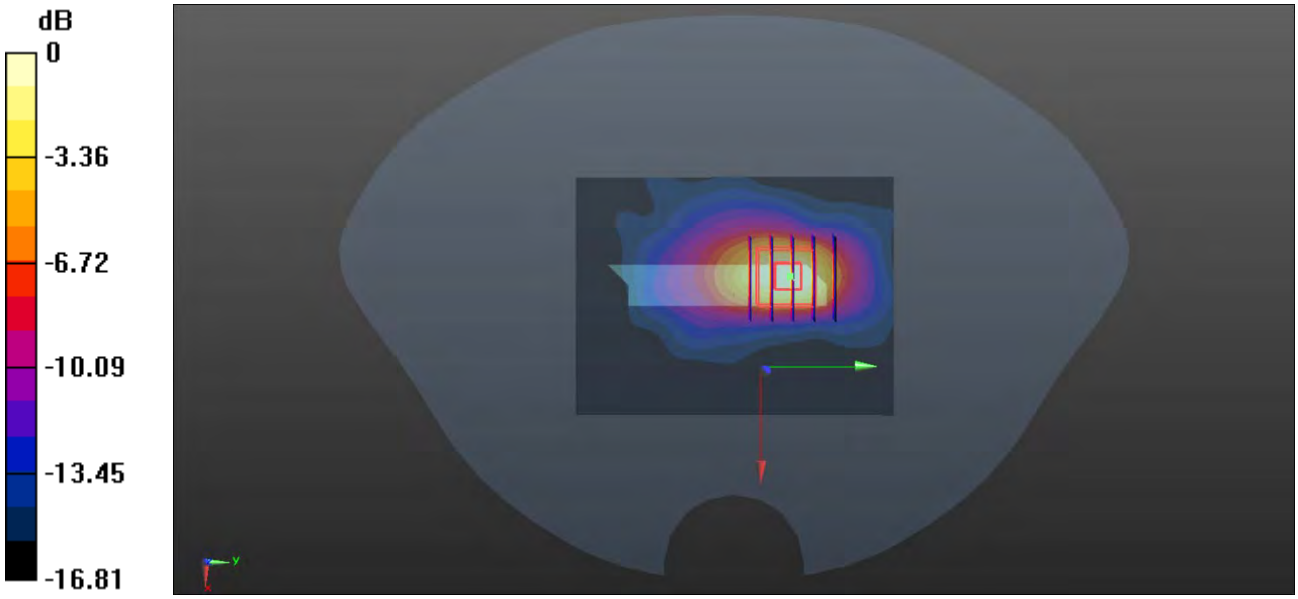
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.590 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.612 W/kg

SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.139 W/kg

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



0 dB = 0.350 W/kg

54-Body Plane with Back Side 4mm on Middle Channel in LTE Band66 Mode With Antenna 6

Date: 2021.07.21

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.405 S/m; ε_r = 39.264; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 1.61 W/kg

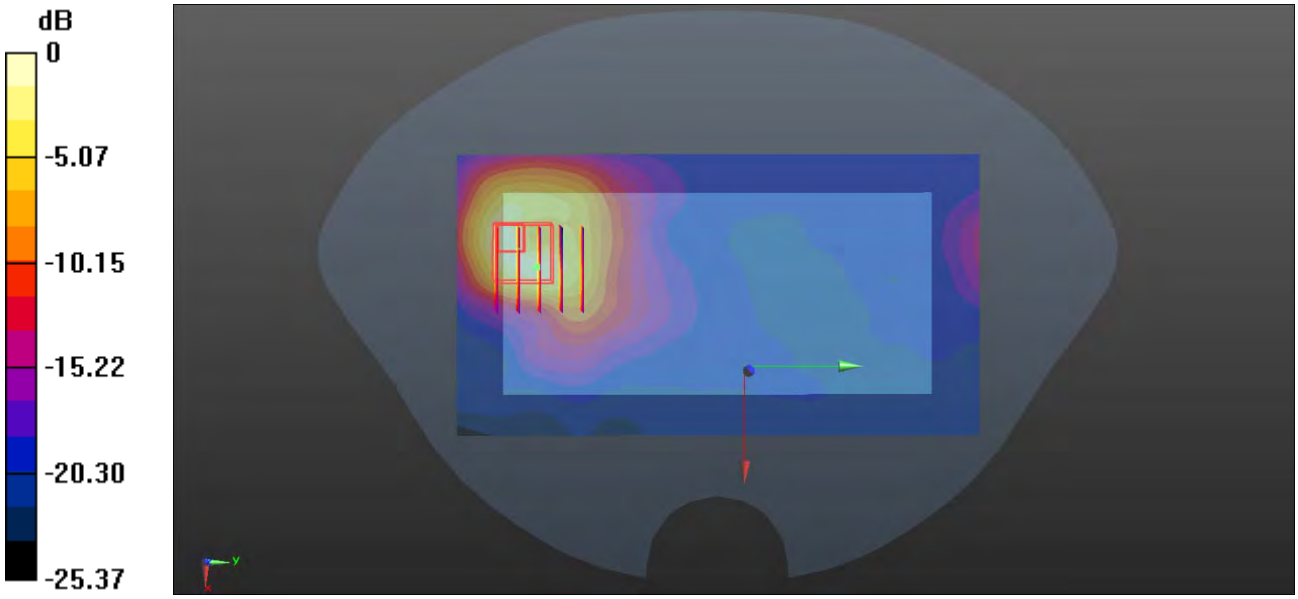
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.493 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 1.44 W/kg; SAR(10 g) = 0.702 W/kg

Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg

55-Right with Tilt on High Channel in LTE Band38 Mode With Antenna 6

Date: 2021.07.15

Communication System Band: Band 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used: f = 2610 MHz; σ = 2.005 S/m; ε_r = 39.098; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.9 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.556 W/kg

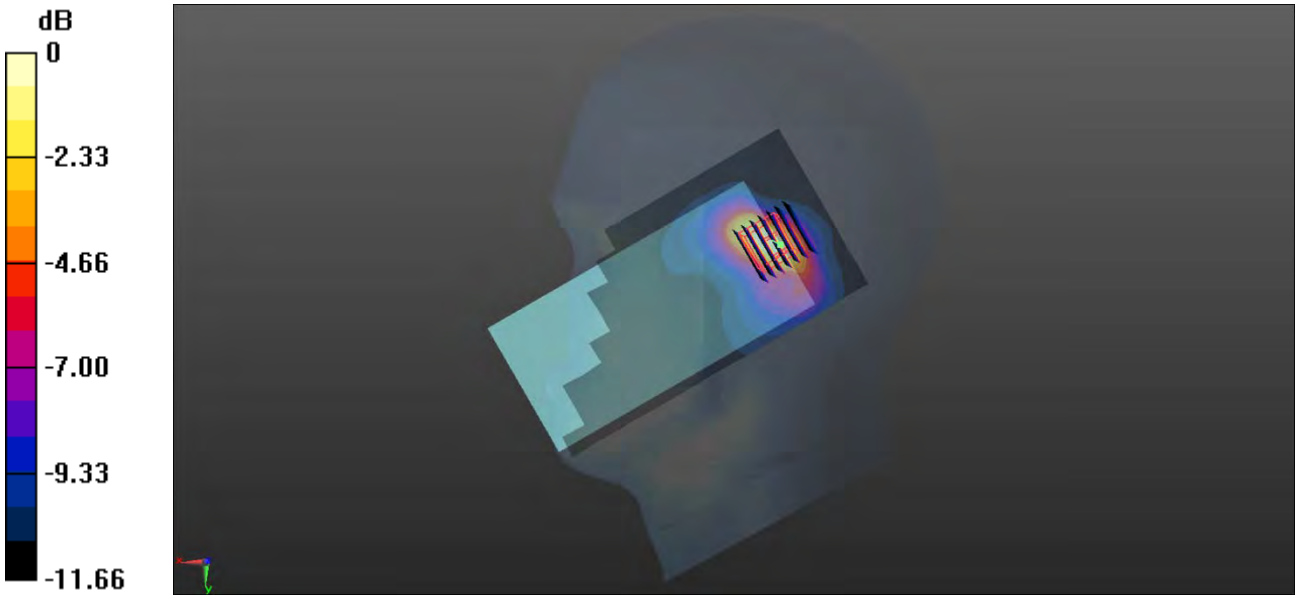
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.84 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.850 W/kg

SAR(1 g) = 0.323 W/kg; SAR(10 g) = 0.171 W/kg

Maximum value of SAR (measured) = 0.444 W/kg



0 dB = 0.444 W/kg

56-Body Plane with Back Side 15mm on High Channel in LTE Band38 Mode With Antenna 6

Date: 2021.07.15

Communication System Band: Band 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (extrapolated): f = 2610 MHz; σ = 2.005 S/m; ε_r = 39.098; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.441 W/kg

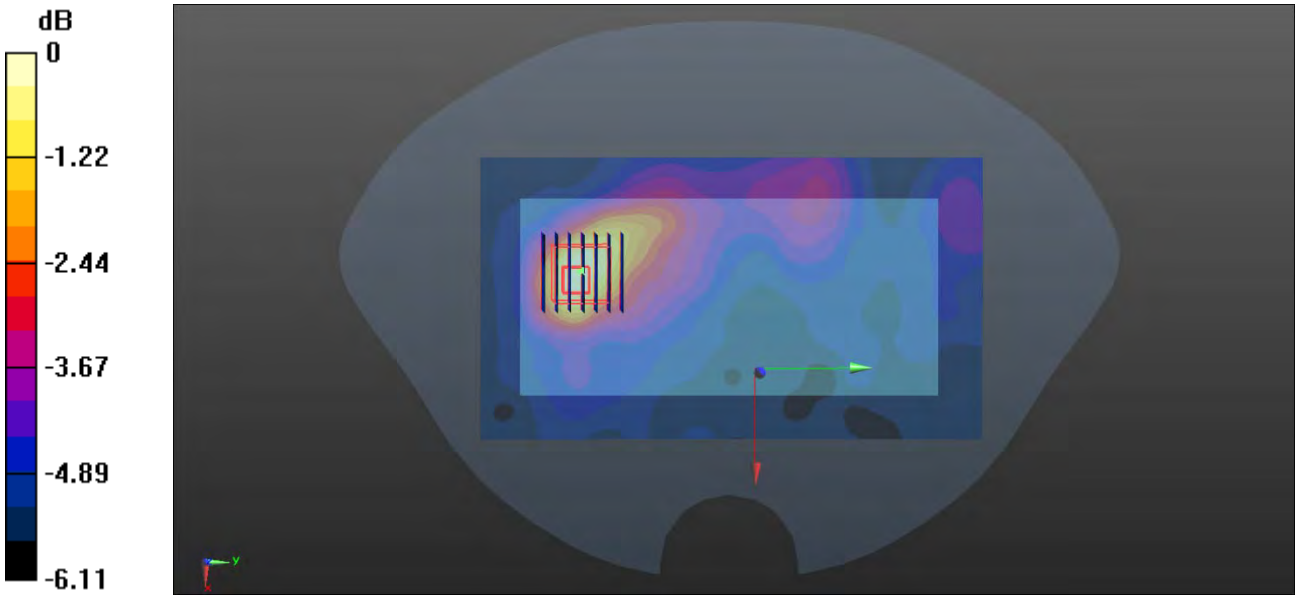
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.720 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.491 W/kg

SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.134 W/kg

Maximum value of SAR (measured) = 0.458 W/kg



0 dB = 0.458 W/kg

57-Body Plane with Bottom Edge 10mm on Low Channel in LTE Band38 Mode With Antenna 1

Date: 2021.07.15

Communication System Band: Band 38; Frequency: 2580 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.956 S/m; ε_r = 39.496; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

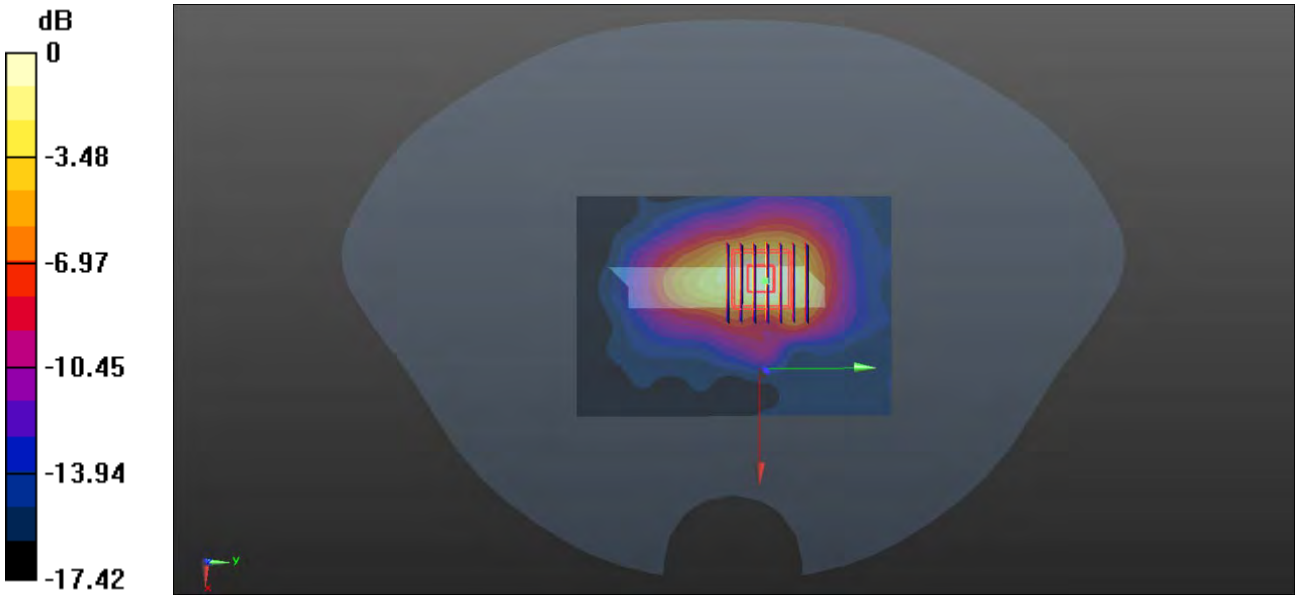
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.35 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.874 W/kg

SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.218 W/kg

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



0 dB = 0.602 W/kg

58-Body Plane with Top Edge 0mm on Low Channel in LTE Band38 Mode With Antenna 6

Date: 2021.07.15

Communication System Band: Band 38; Frequency: 2580 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.956 S/m; ε_r = 39.496; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

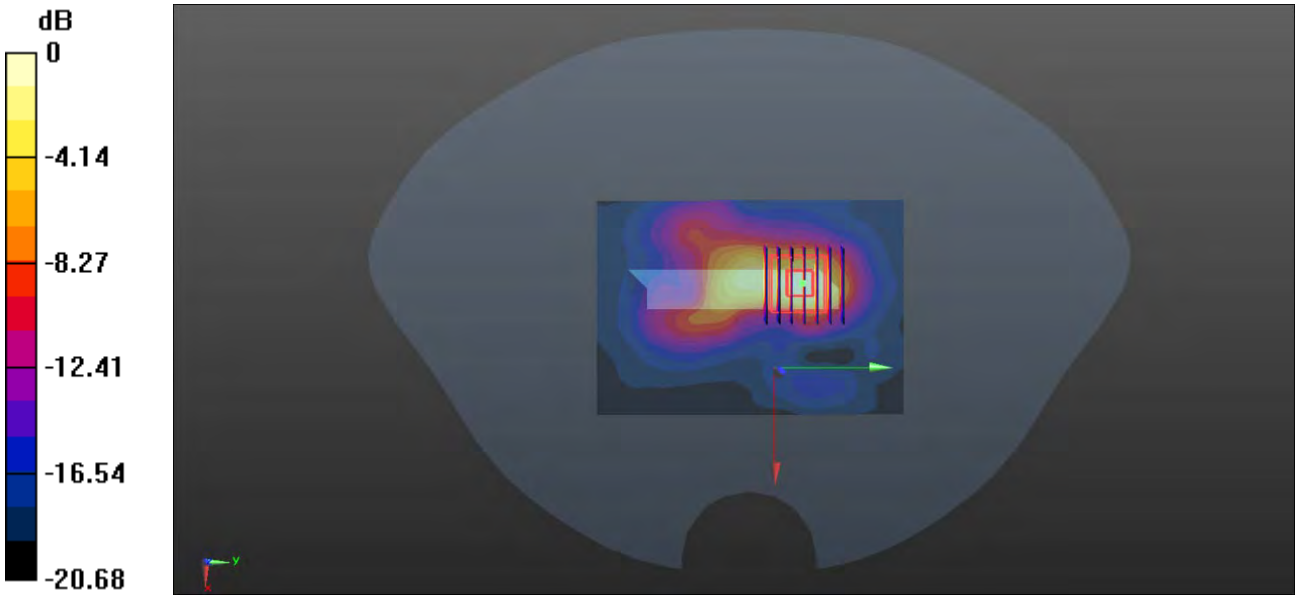
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.30 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.63 W/kg

SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.341 W/kg

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



0 dB = 1.09 W/kg

59-Body Plane with Top Edge 4mm on High Channel in LTE Ban38 mod With Antenna 6

Date: 2021.07.15

Communication System Band: Band 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (extrapolated): f = 2610 MHz; σ = 2.005 S/m; ε_r = 39.098; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (71x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.07 W/kg

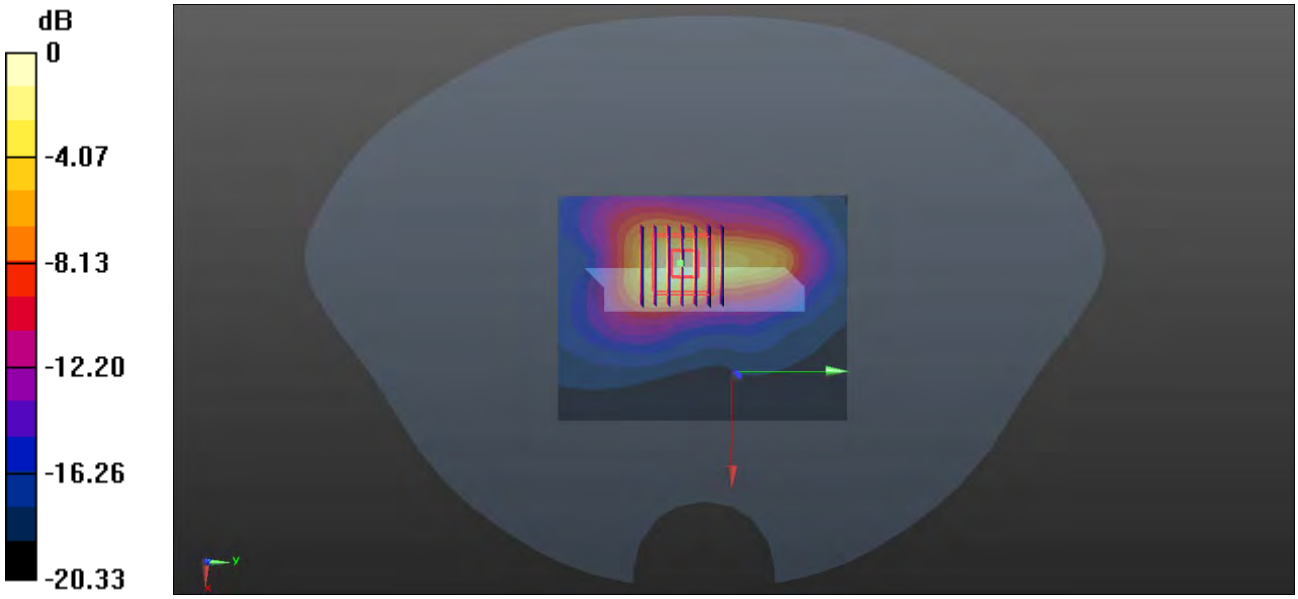
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.39 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 8.12 W/kg

SAR(1 g) = 3.28 W/kg; SAR(10 g) = 1.31 W/kg

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



0 dB = 3.97 W/kg

60-Right Head with Tilt on Middle Channel in LTE Band41 Mode With Antenna 6

Date: 2021.07.25

Communication System Band: Band 41; Frequency: 2600 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.932 S/m; ε_r = 38.232; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch40690/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.634 W/kg

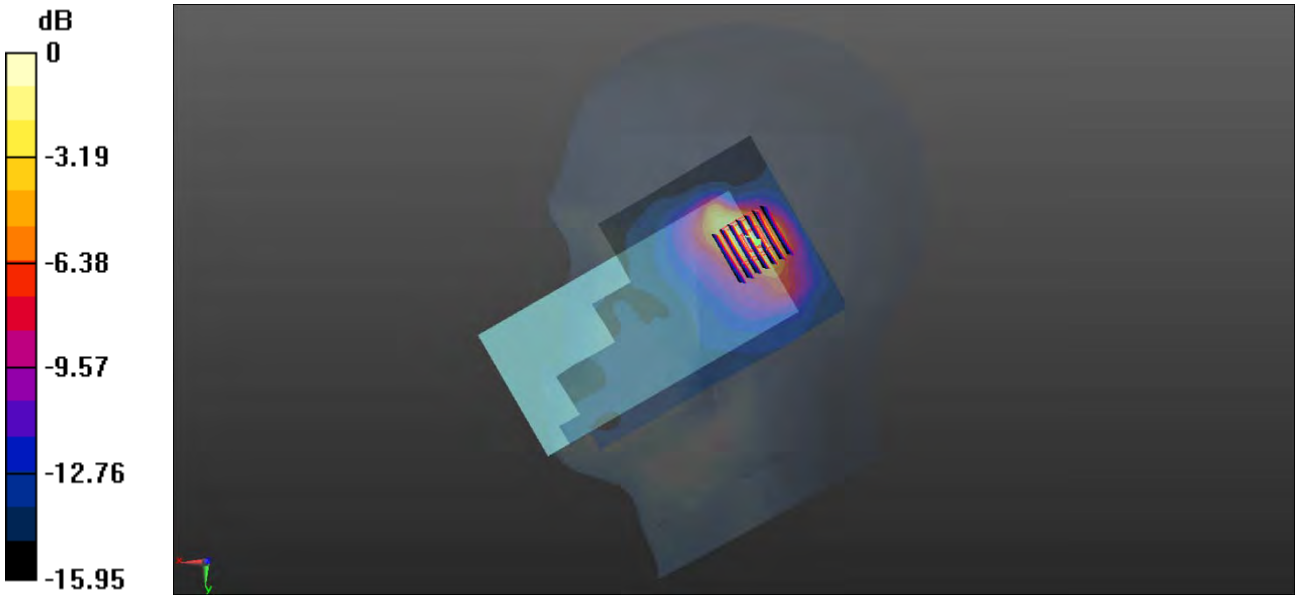
Ch40690/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.492 W/kg; SAR(10 g) = 0.236 W/kg

Maximum value of SAR (measured) = 0.566 W/kg



0 dB = 0.566 W/kg

61-Body Plane with Back Side 15mm on Middle Channel in LTE Band41 Mode With Antenna 6

Date: 2021.07.25

Communication System Band: Band 41; Frequency: 2600 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.932 S/m; ε_r = 38.232; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch40690/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

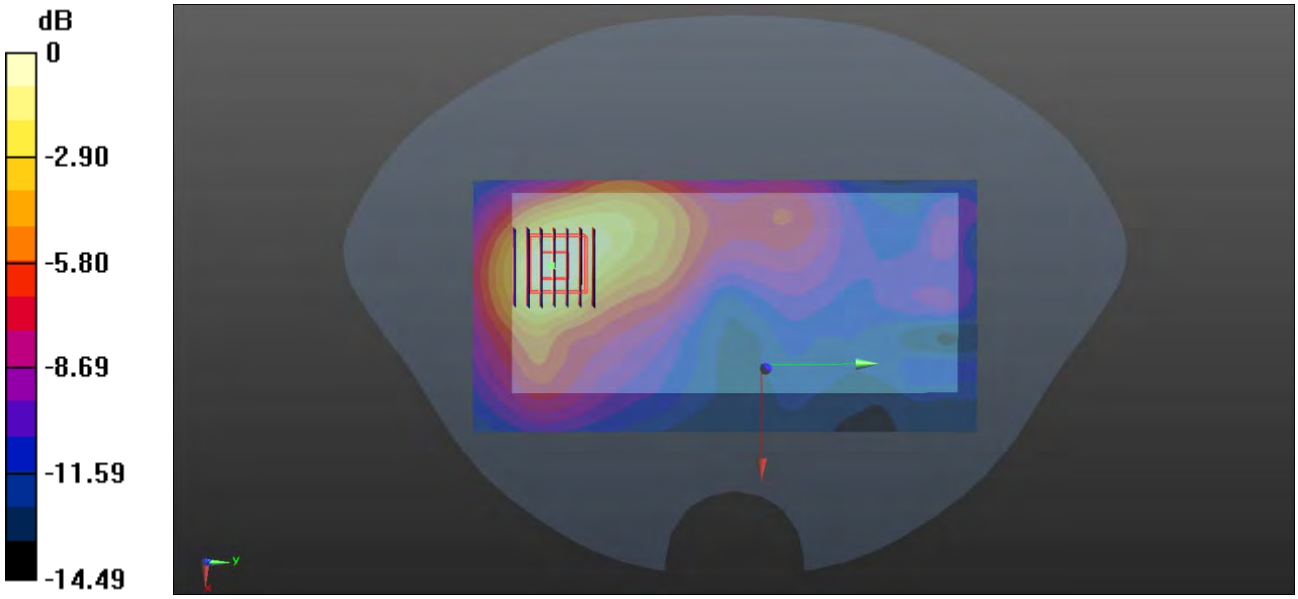
Ch40690/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.423 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.579 W/kg

SAR(1 g) = 0.326 W/kg; SAR(10 g) = 0.163 W/kg

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



0 dB = 0.341 W/kg

62-Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band41 Mode With Antenna 1

Date: 2021.07.25

Communication System Band: Band 41; Frequency: 2600 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.932 S/m; ε_r = 38.232; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch40690/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.591 W/kg

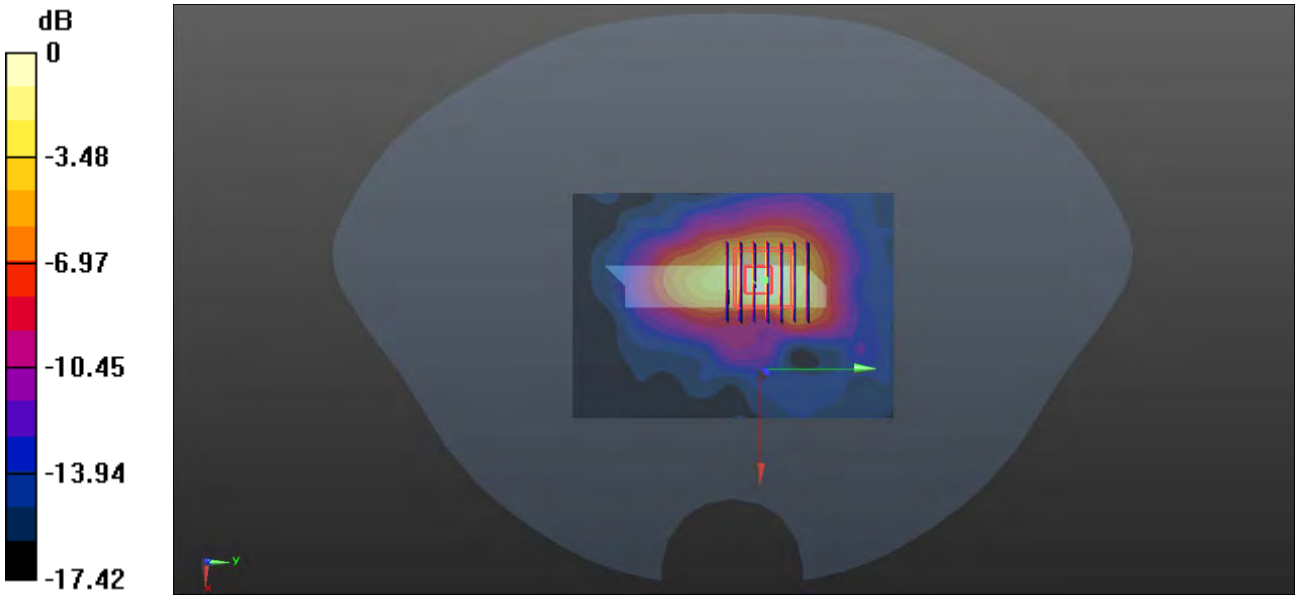
Ch40690/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.87 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.887 W/kg

SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.205 W/kg

Maximum value of SAR (measured) = 0.504 W/kg



0 dB = 0.504 W/kg

63-Body Plane with Top Edge 0mm on Middle Channel in LTE Band41 Mode With Antenna 6

Date: 2021.07.25

Communication System Band: Band 41; Frequency: 2600 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.932 S/m; ε_r = 38.232; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch40690/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.820 W/kg

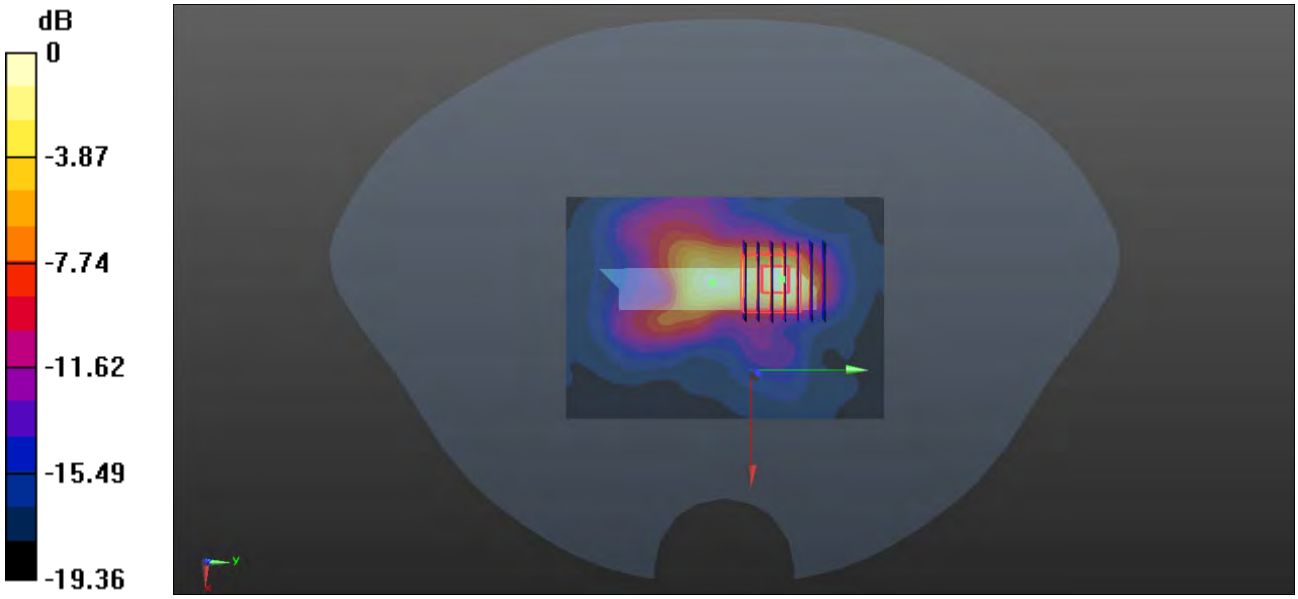
Ch40690/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.38 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.246 W/kg

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



0 dB = 0.778 W/kg

64- Body Plane with Top Edge 4mm on Middle Channel in LTE Band41 Mode With Antenna 6

Date: 2021.07.25

Communication System Band: Band 41; Frequency: 2600 MHz;Duty Cycle: 1:1.58

Medium parameters used: f = 2600 MHz; σ = 1.932 S/m; ε_r = 38.232; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch40690/Area Scan (71x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 3.45 W/kg

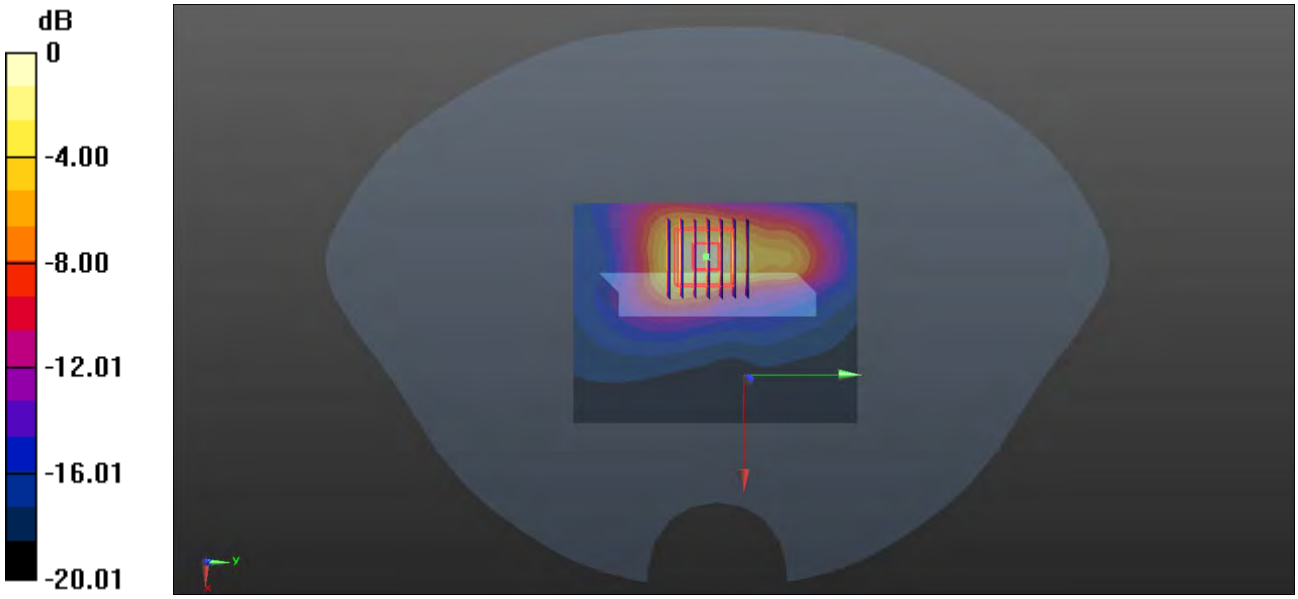
Ch40690/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.63 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 7.02 W/kg

SAR(1 g) = 3.01 W/kg; SAR(10 g) = 1.26 W/kg

Maximum value of SAR (measured) = 3.52 W/kg



0 dB = 3.52 W/kg

65-Left Head with Cheek on 518598 Channel in N41 Mode With Antenna 4

Date: 2021.07.16

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2592.99 MHz; σ = 1.952 S/m; ε_r = 39.611; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.689 W/kg

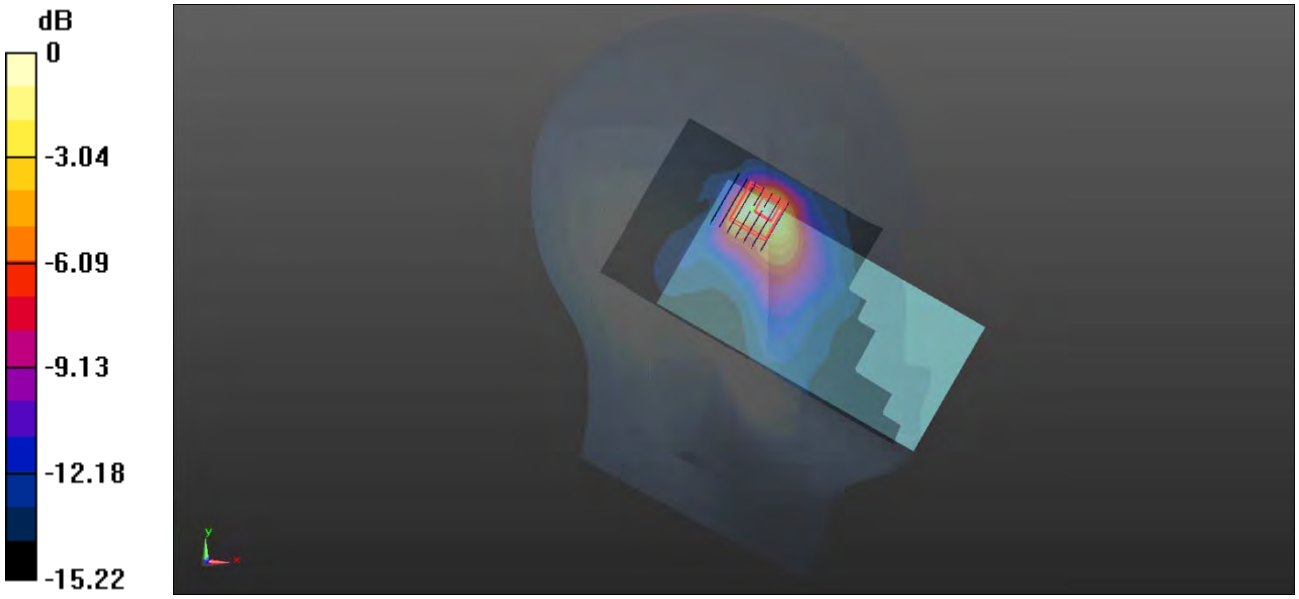
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.480 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.230 W/kg

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



0 dB = 0.705 W/kg

66-Body Plane with Front Side 15mm on 518598 Channel in N41 Mode With Antenna 4

Date: 2021.07.16

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2592.99 MHz; σ = 1.952 S/m; ε_r = 39.611; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

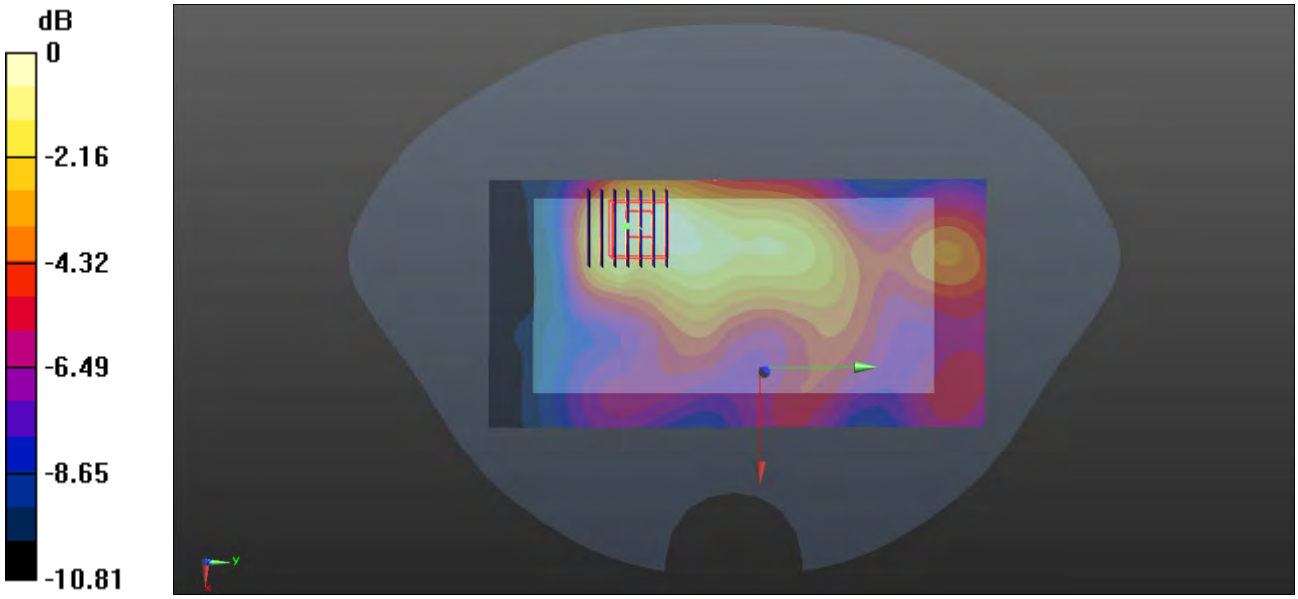
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.947 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.493 W/kg

SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.273 W/kg



0 dB = 0.273 W/kg

67-Body Plane with Left Edge 10mm on 518598 Channel in N41 Mode With Antenna 4

Date: 2021.07.16

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2592.99 MHz; σ = 1.952 S/m; ε_r = 39.611; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

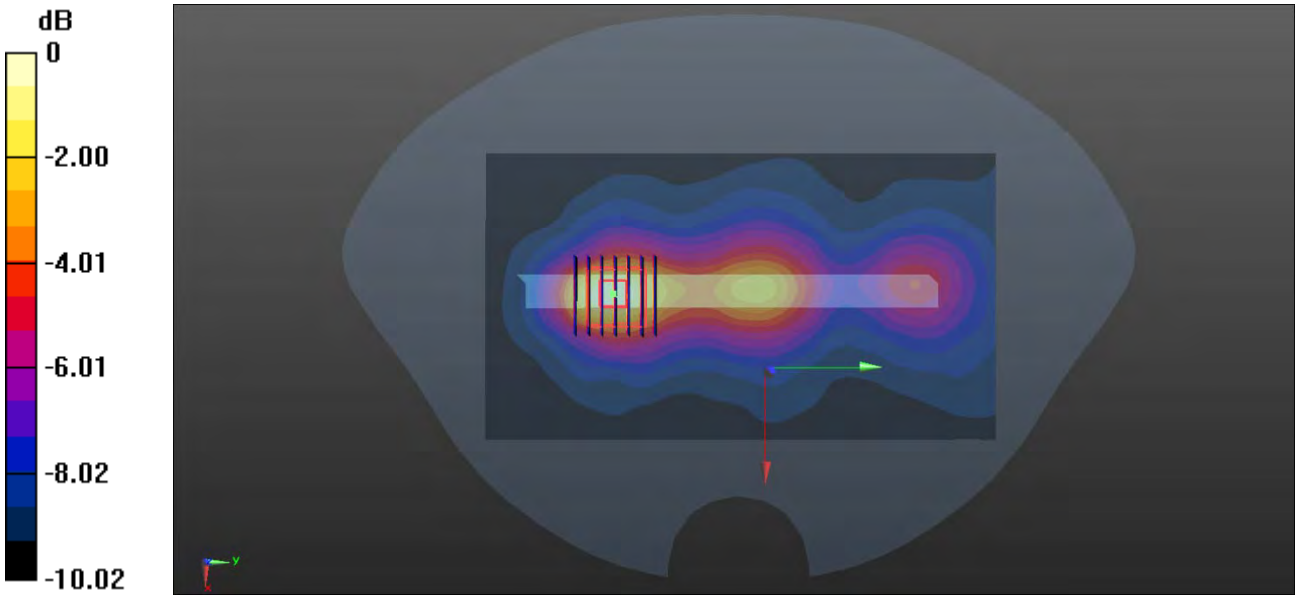
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.046 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.429 W/kg

SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.105 W/kg

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



0 dB = 0.264 W/kg

68-Body Plane with Left Edge 0mm on 518598 Channel in N41 Mode With Antenna 4

Date: 2021.07.16

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2592.99 MHz; σ = 1.952 S/m; ε_r = 39.611; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (71x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 2.64 W/kg

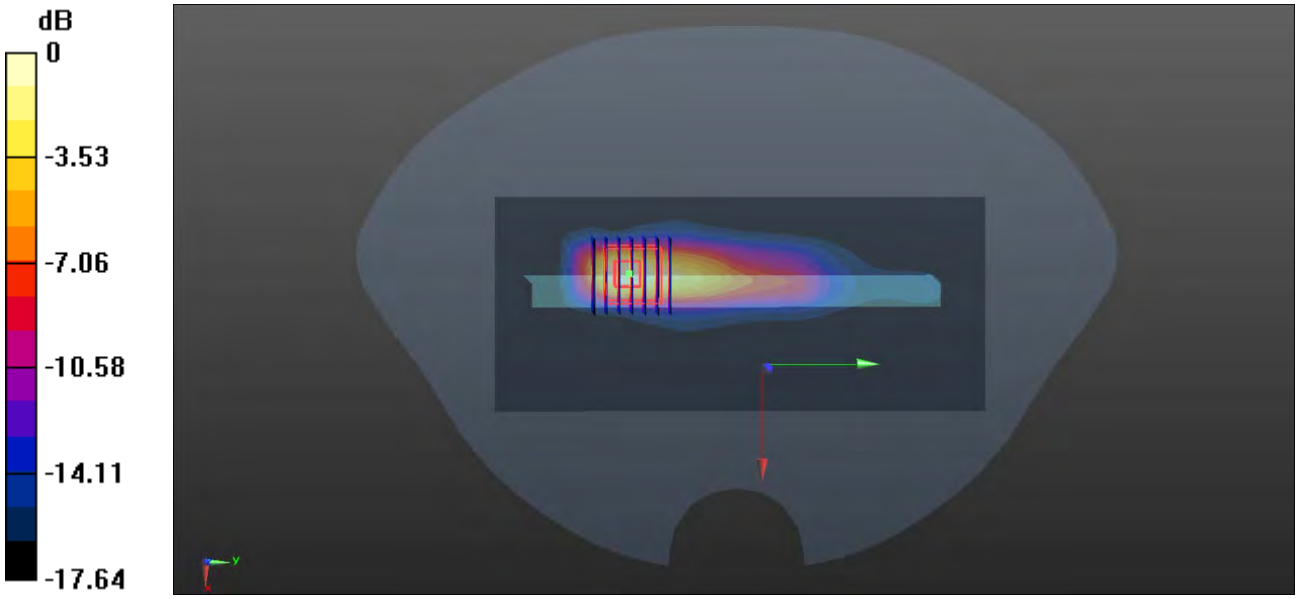
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.36 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.76 W/kg

SAR(1 g) = 1.53 W/kg; SAR(10 g) = 0.577 W/kg

Maximum value of SAR (measured) = 1.85 W/kg



0 dB = 1.85 W/kg

69-Body Plane with Left Edge 4mm on 518598 Channel in N41 Mode With Antenna 4

Date: 2021.07.16

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2592.99 MHz; σ = 1.952 S/m; ε_r = 39.611; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (71x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

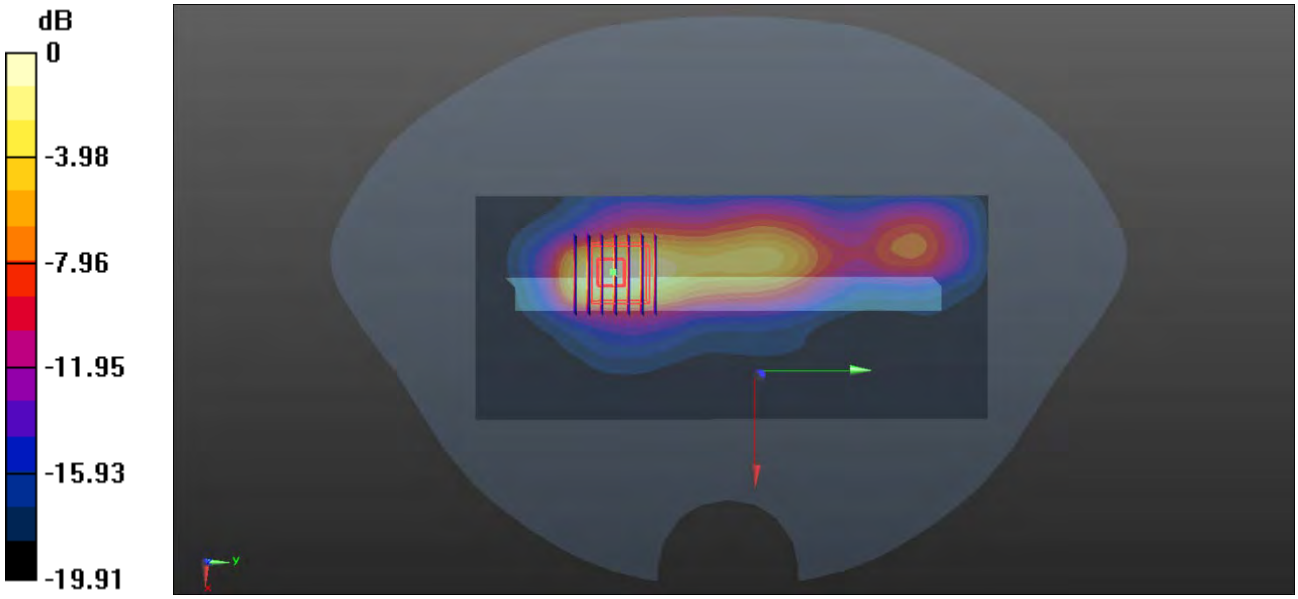
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.97 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 7.99 W/kg

SAR(1 g) = 3.11 W/kg; SAR(10 g) = 1.09 W/kg

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



0 dB = 3.74 W/kg

70-Left with Cheek on 11 Channel in 802.11b Mode With Antenna 5

Date: 2021.07.23

Communication System Band: WLAN(b); Frequency: 2462 MHz;Duty Cycle: 1:1.002

Medium parameters used (interpolated): f = 2462 MHz; σ = 1.842 S/m; ε_r = 39.369; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:21.8 Liquid Temperature:20.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.744 W/kg

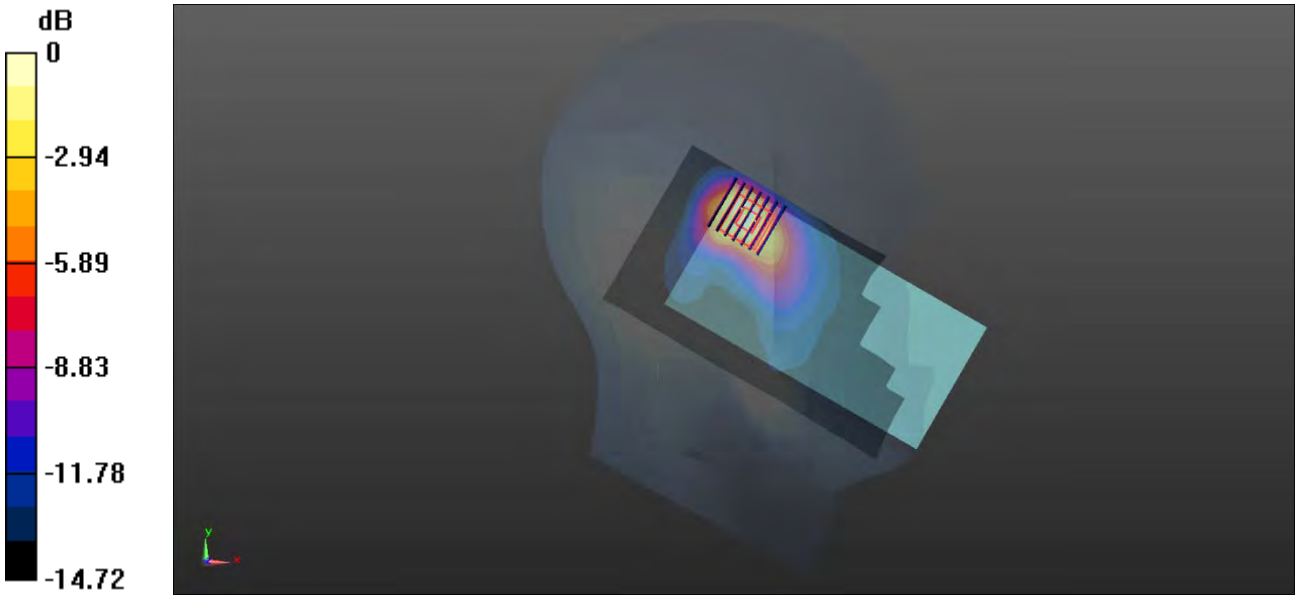
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.475 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.590 W/kg; SAR(10 g) = 0.269 W/kg

Maximum value of SAR (measured) = 0.664 W/kg



0 dB = 0.664 W/kg

71-Body Plane with Back Side 15mm on 11 Channel in 802.11b Mode With Antenna 5&2

Date: 2021.07.23

Communication System Band: WLAN(b); Frequency: 2462 MHz;Duty Cycle: 1:1.002

Medium parameters used (interpolated): f = 2462 MHz; σ = 1.842 S/m; ε_r = 39.369; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.8 Liquid Temperature:20.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0646 W/kg

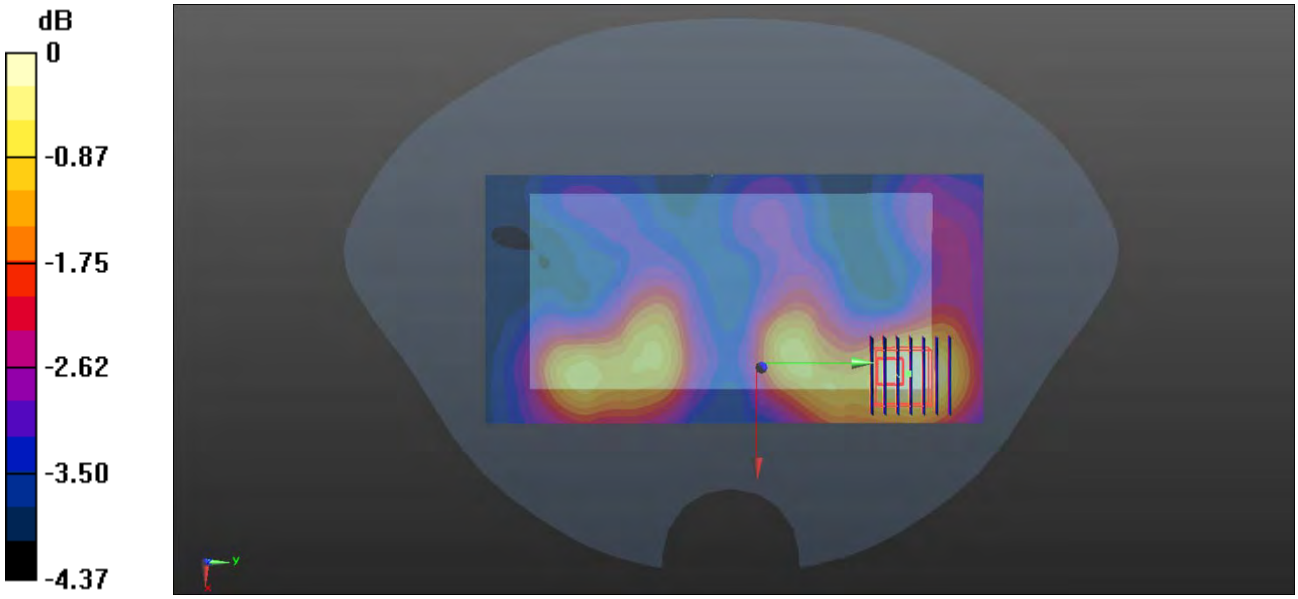
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.763 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.245 W/kg

SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.045 W/kg

Maximum value of SAR (measured) = 0.0628 W/kg



0 dB = 0.0628 W/kg

72-Body Body Plane with Left Edge 10mm on 11 Channel in 802.11b Mode With Antenna 5&2

Date: 2021.07.23

Communication System Band: WLAN(b); Frequency: 2462 MHz;Duty Cycle: 1:1.002

Medium parameters used (interpolated): f = 2462 MHz; σ = 1.842 S/m; ε_r = 39.369; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.8 Liquid Temperature:20.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (71x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

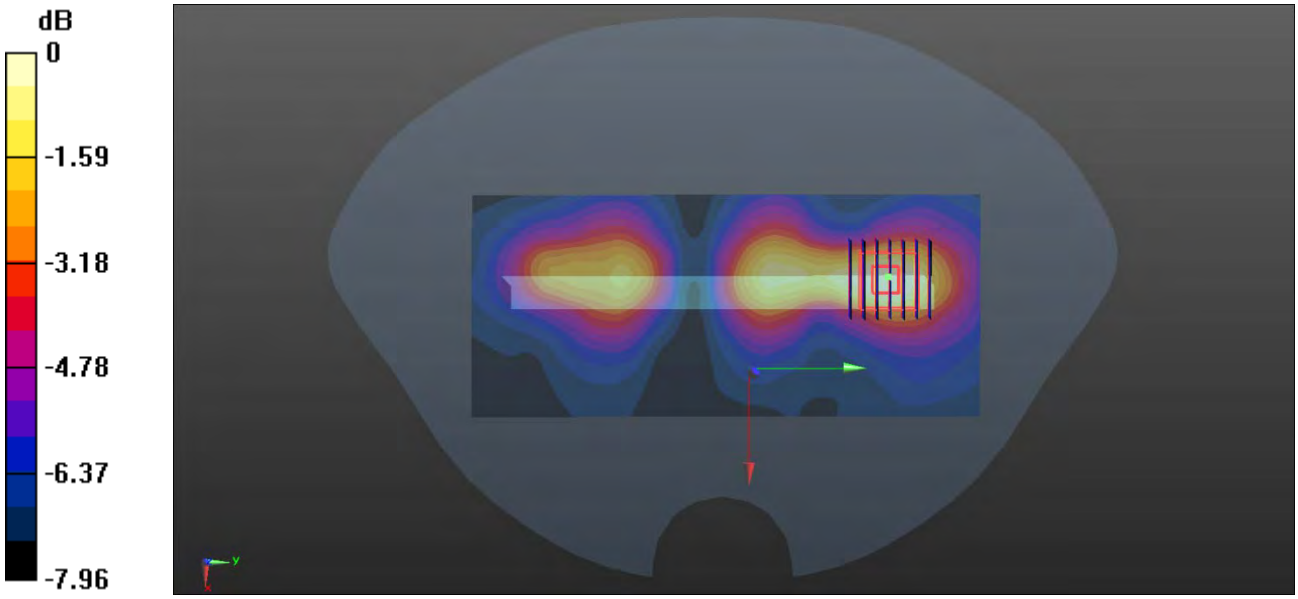
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.208 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.265 W/kg

SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.082 W/kg

Maximum value of SAR (measured) = 0.150 W/kg



0 dB = 0.150 W/kg

73-Left Head with Cheek on 62 Channel in IEEE802.11n40 Mode With Antenna 5

Date: 2021.07.18

Communication System Band: WLAN(n40); Frequency: 5310 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5310 MHz; σ = 4.766 S/m; ε_r = 36.228; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch62/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0733 W/kg

Ch62/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.110 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.187 W/kg

SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.00909 W/kg

Maximum value of SAR (measured) = 0.0865 W/kg

0 dB = 0.0865 W/kg

74-Left Head with Cheek on 102 Channel in IEEE802.11n40 Mode With Antenna 5

Date: 2021.07.28

Communication System Band: WLAN(n40); Frequency: 5510 MHz;Duty Cycle: 1:1.008

Medium parameters used: f = 5510 MHz; σ = 4.921 S/m; ε_r = 35.261; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.89, 4.89, 4.89); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch102/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0829 W/kg

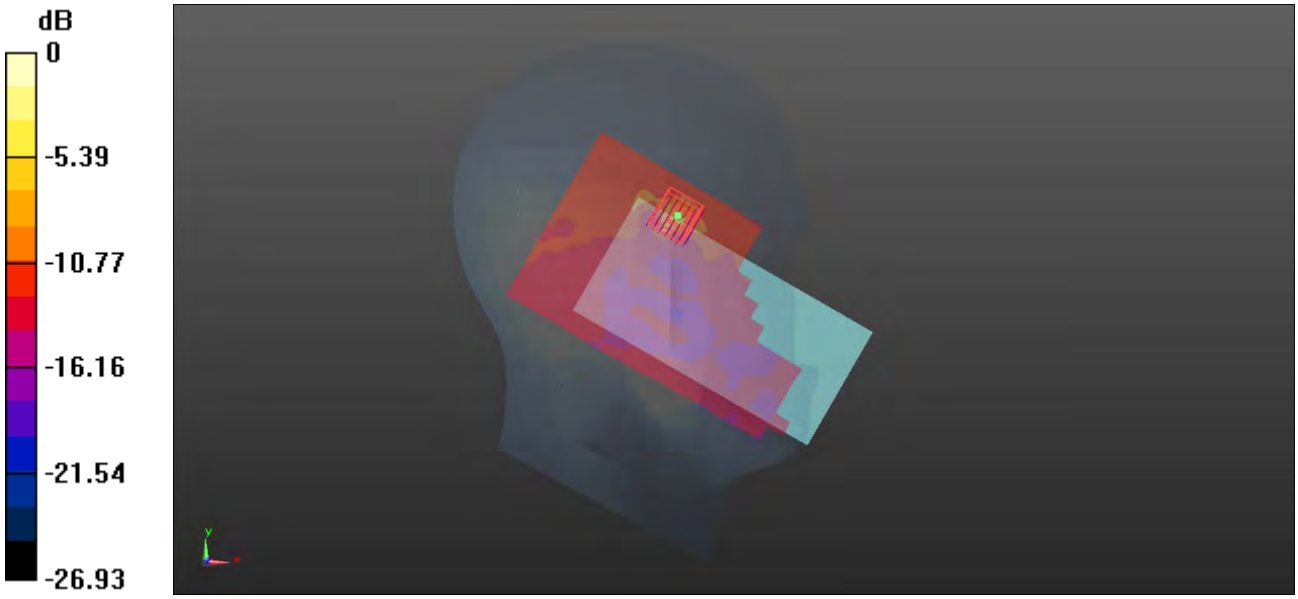
Ch102/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.200 W/kg

SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.015 W/kg

Maximum value of SAR (measured) = 0.0902 W/kg



0 dB = 0.0902 W/kg

75-Left Head with Cheek on 159 Channel in IEEE802.11n40 Mode With Antenna 5

Date: 2021.07.20

Communication System Band: WLAN(n40); Frequency: 5795 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5795 MHz; σ = 5.346 S/m; ε_r = 35.558; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.96, 4.96, 4.96); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch159/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0719 W/kg

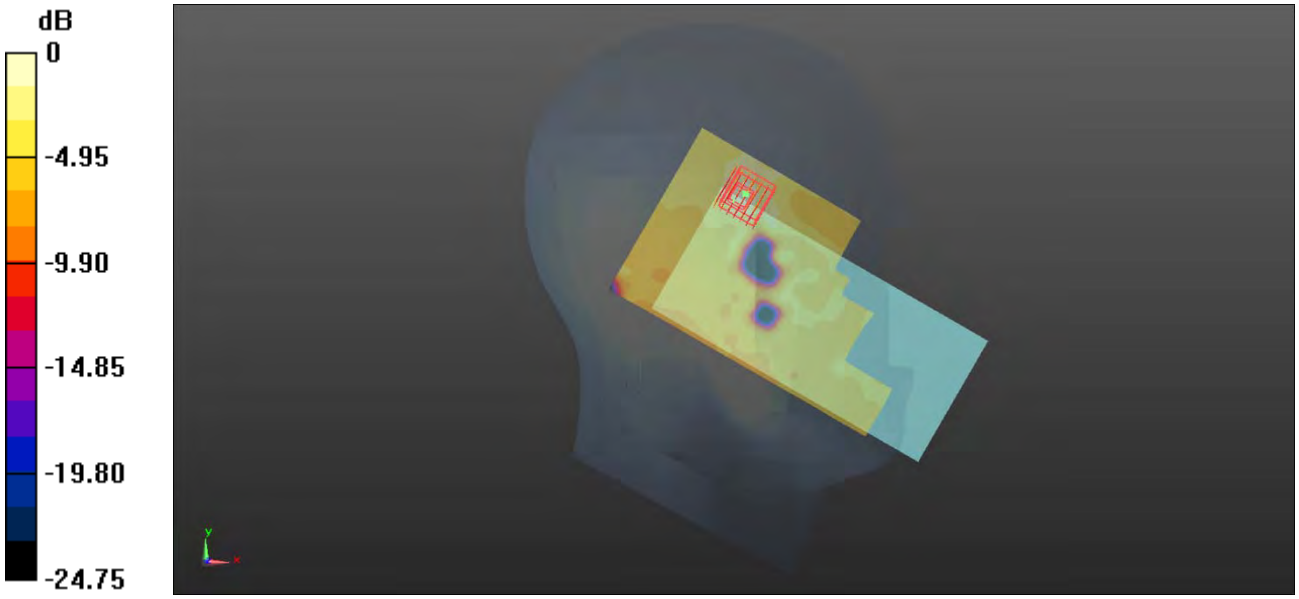
Ch159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.412 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.013 W/kg

Maximum value of SAR (measured) = 0.0884 W/kg



0 dB = 0.0884 W/kg

76-Body Plane with Back Side 15mm on 62 Channel in IEEE802.11n40 Mode With Antenna 5

Date: 2021.07.18

Communication System Band: WLAN(n40); Frequency: 5310 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5310 MHz; σ = 4.766 S/m; ε_r = 36.228; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch62/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.380 W/kg

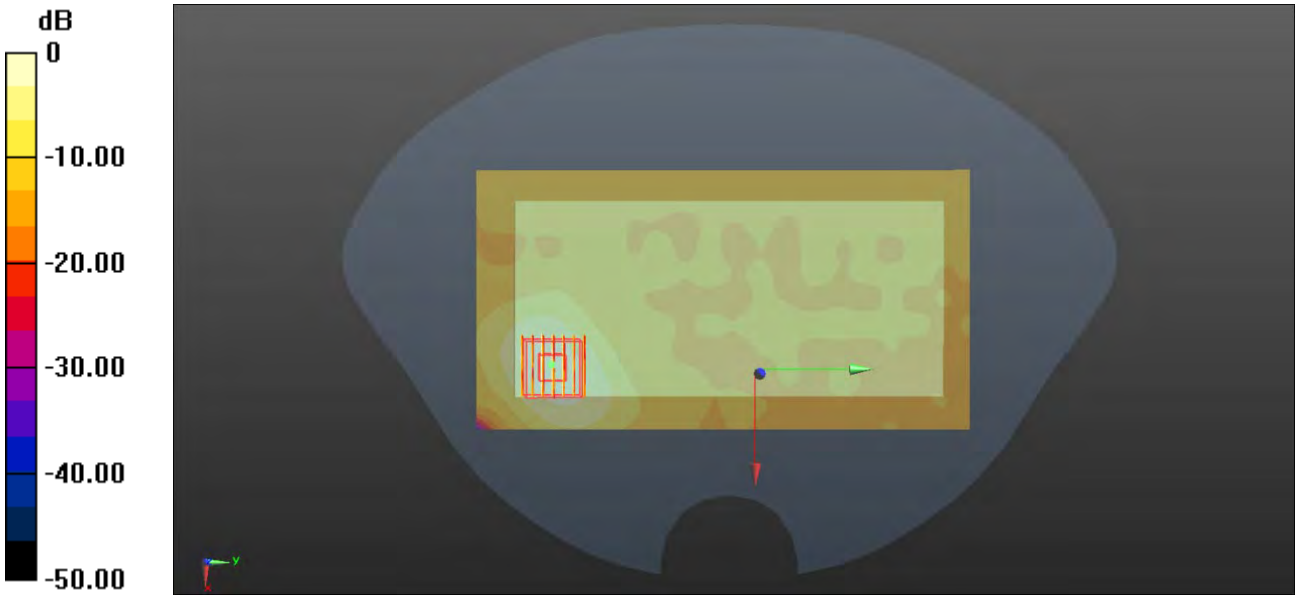
Ch62/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.09900 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.721 W/kg

SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.069 W/kg

Maximum value of SAR (measured) = 0.368 W/kg



0 dB = 0.368 W/kg

77-Body Plane with Back Side 15mm on 102 Channel in IEEE802.11n40 Mode With Antenna 5

Date: 2021.07.28

Communication System Band: WLAN(n40); Frequency: 5510 MHz;Duty Cycle: 1:1.008

Medium parameters used: f = 5510 MHz; σ = 4.921 S/m; ε_r = 35.261; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.89, 4.89, 4.89); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch102/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.515 W/kg

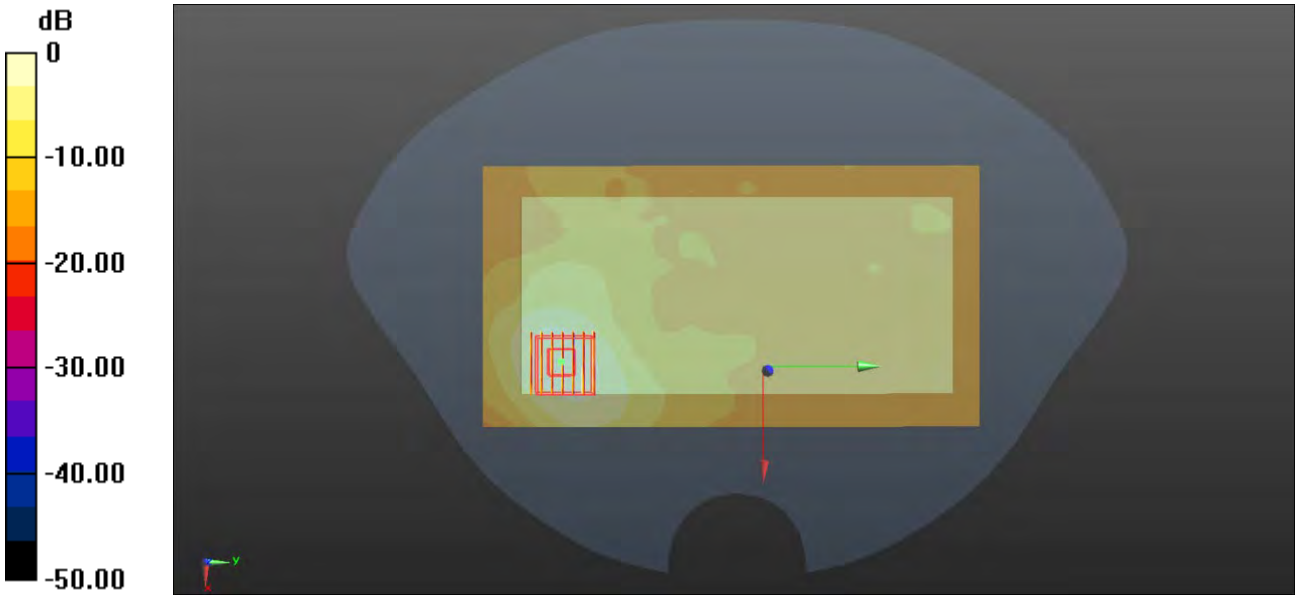
Ch102/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.6150 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 0.506 W/kg



0 dB = 0.506 W/kg

78-Body Plane with Back Side 15mm on 159 Channel in IEEE802.11n40 Mode With Antenna 5

Date: 2021.07.20

Communication System Band: WLAN(n40); Frequency: 5795 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5795 MHz; σ = 5.346 S/m; ε_r = 35.558; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.96, 4.96, 4.96); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch159/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.220 W/kg

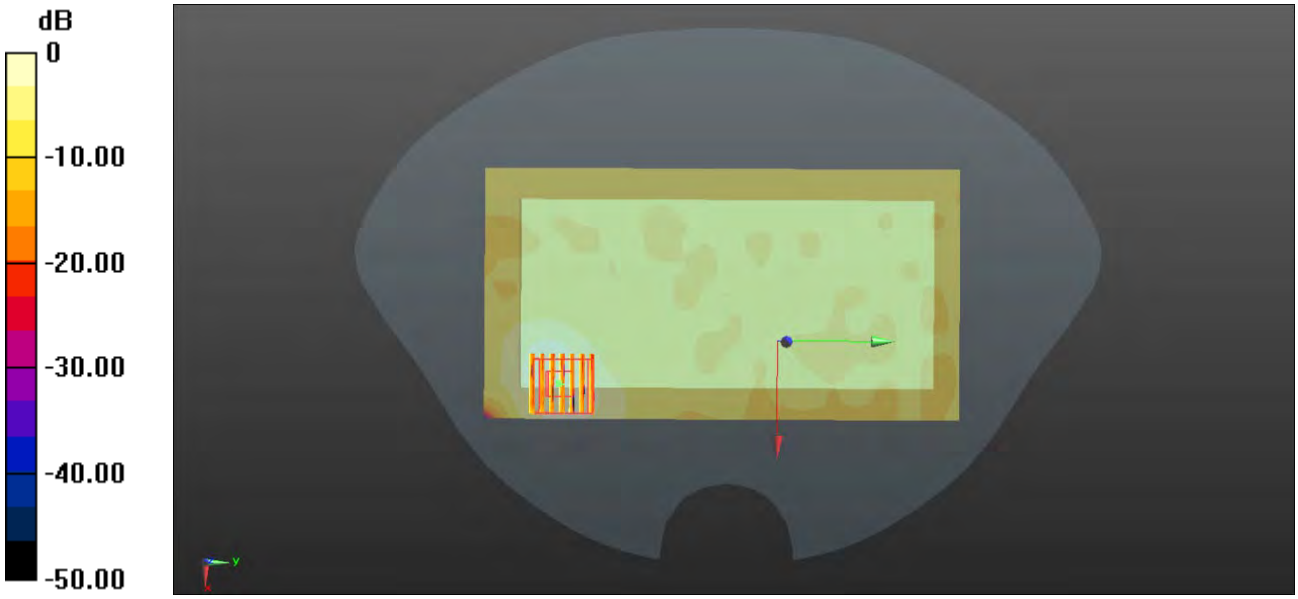
Ch159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.5490 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.426 W/kg

SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.034 W/kg

Maximum value of SAR (measured) = 0.205 W/kg



0 dB = 0.205 W/kg

79-Body Plane with Back Side 10mm on 38 Channel in IEEE802.11n40 Mode With Antenna 5

Date: 2021.07.18

Communication System Band: WLAN(n40); Frequency: 5190 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5190 MHz; σ = 4.561 S/m; ε_r = 36.943; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch38/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

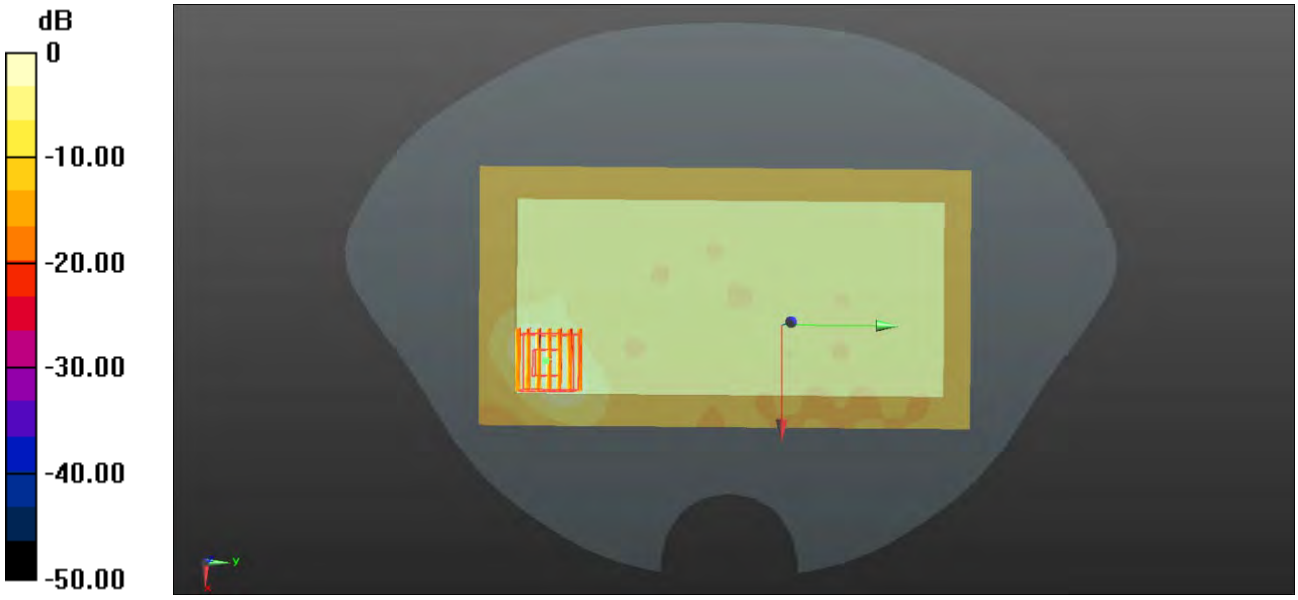
Ch38/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.280 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.620 W/kg

SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.045 W/kg

Maximum value of SAR (measured) = 0.313 W/kg



0 dB = 0.313 W/kg

80-Body Plane with Back Side 10mm on 159 Channel in IEEE802.11n40 Mode With Antenna 5

Date: 2021.07.20

Communication System Band: WLAN(n40); Frequency: 5795 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5795 MHz; σ = 5.346 S/m; ε_r = 35.558; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.96, 4.96, 4.96); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331

Ch159/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

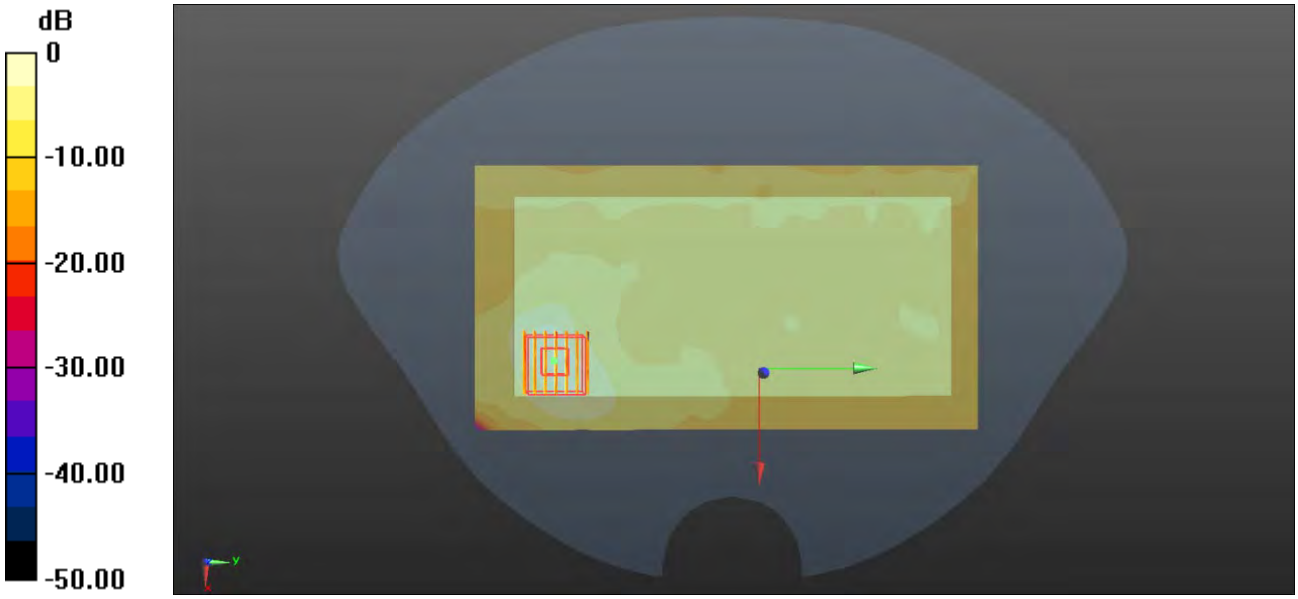
Ch159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.9120 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.038 W/kg

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



0 dB = 0.248 W/kg

81-Body Plane with Back Side 0mm on 62 Channel in IEEE802.11n40 Mode With Antenna 5

Date: 2021.07.18

Communication System Band: WLAN(n40); Frequency: 5310 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5310 MHz; σ = 4.766 S/m; ε_r = 36.228; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch62/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 3.60 W/kg

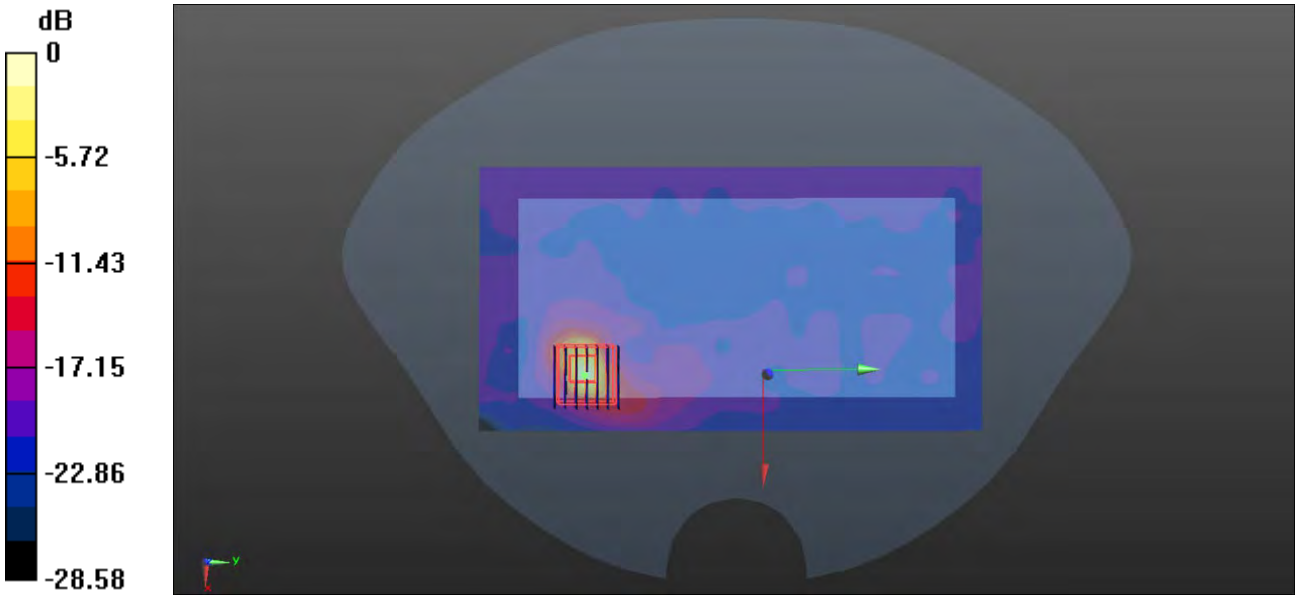
Ch62/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 9.32 W/kg

SAR(1 g) = 1.46 W/kg; SAR(10 g) = 0.264 W/kg

Maximum value of SAR (measured) = 3.89 W/kg



0 dB = 3.89 W/kg

82-Body Plane with Back Side 0mm on 102 Channel in IEEE802.11n40 Mode With Antenna 5

Date: 2021.07.28

Communication System Band: WLAN(n40); Frequency: 5510 MHz;Duty Cycle: 1:1.008

Medium parameters used: f = 5510 MHz; σ = 4.921 S/m; ε_r = 35.261; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.89, 4.89, 4.89); Calibrated: 2020.11.30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch102/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.22 W/kg

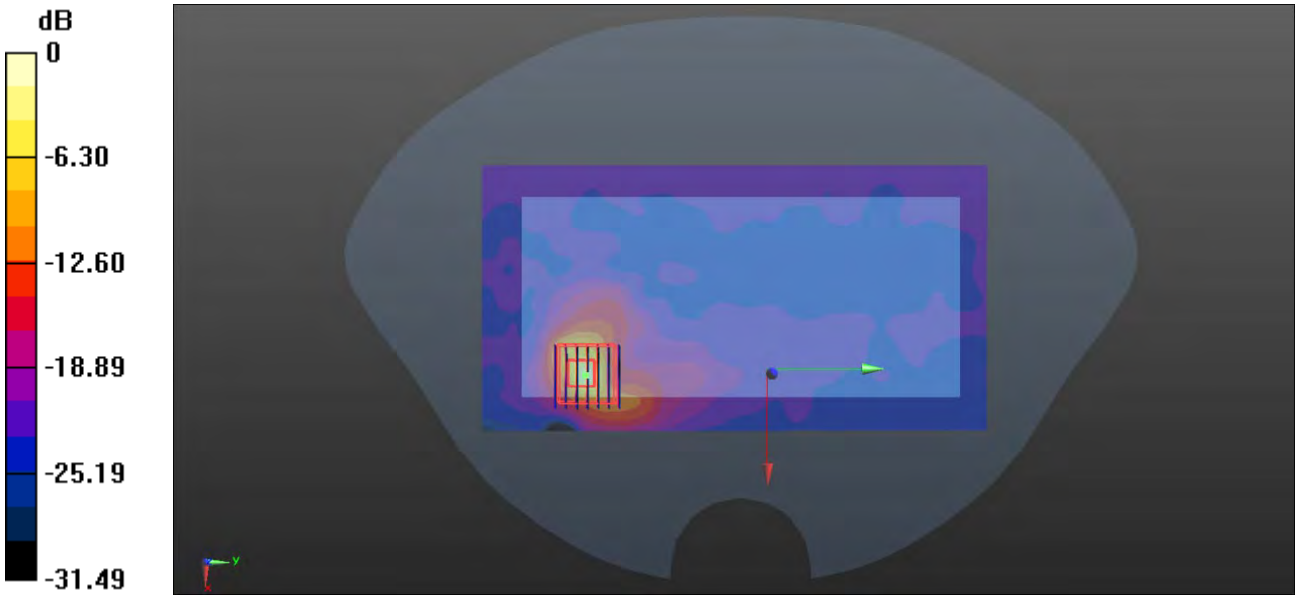
Ch102/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.007 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 17.4 W/kg

SAR(1 g) = 2.42 W/kg; SAR(10 g) = 0.456 W/kg

Maximum value of SAR (measured) = 6.54 W/kg



0 dB = 6.54 W/kg

83-Leftt Head with Cheek on Middle Channel in Bluetooth Mode With Antenna 5

Date: 2021.07.23

Communication System Band: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1.301

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.811 S/m; ε_r = 39.587; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:21.8 Liquid Temperature:20.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

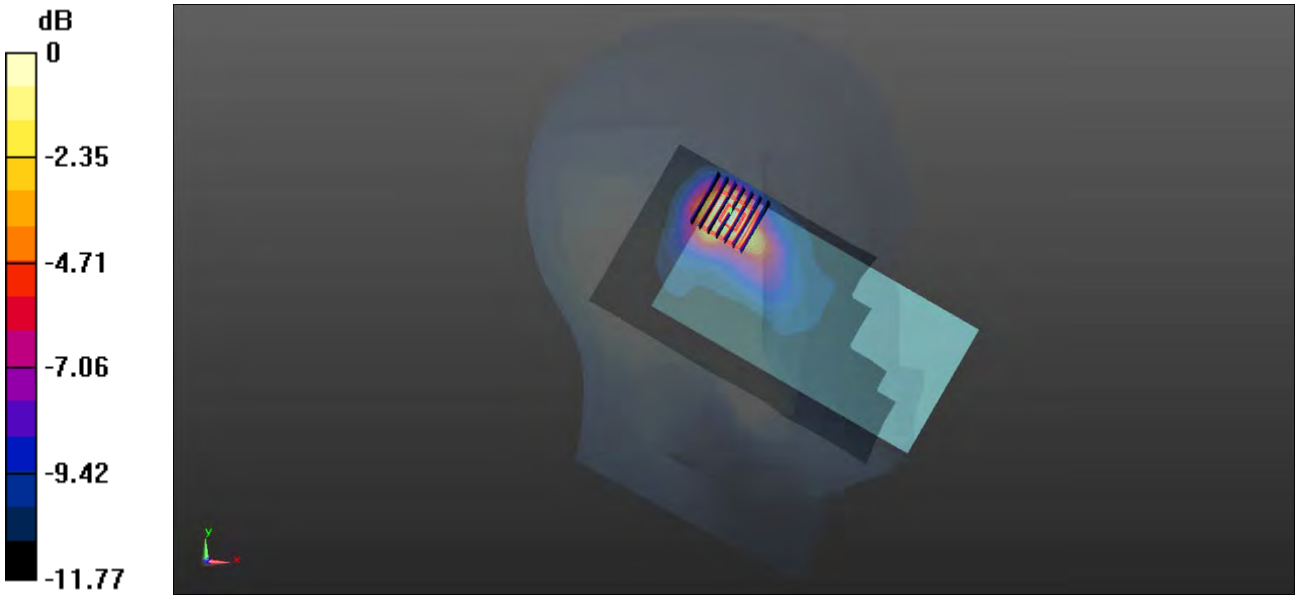
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.840 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.053 W/kg

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



0 dB = 0.127 W/kg

84-Body Plane with Back Side 15mm on 39 Channel in Bluetooth Mode With Antenna 5

Date: 2021.07.23

Communication System Band: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1.301

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.811 S/m; ε_r = 39.587; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.8 Liquid Temperature:20.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0381 W/kg

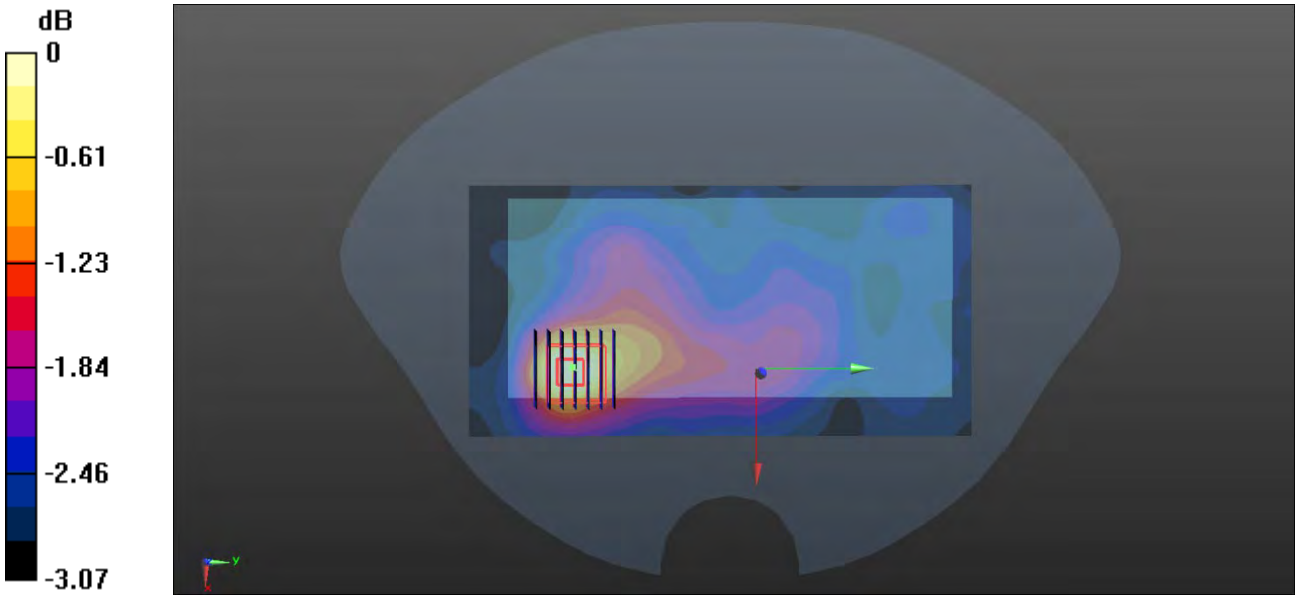
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.522 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0560 W/kg

SAR(1 g) = 0.024 W/kg; SAR(10 g) = 0.017 W/kg

Maximum value of SAR (measured) = 0.0349 W/kg



0 dB = 0.0349 W/kg

85-Body Plane with Left Edge 10mm on 39 Channel in Bluetooth Mode With Antenna 5

Date: 2021.07.23

Communication System Band: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1.301

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.811 S/m; ε_r = 39.587; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.8 Liquid Temperature:20.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.54, 7.54, 7.54); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (71x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0666 W/kg

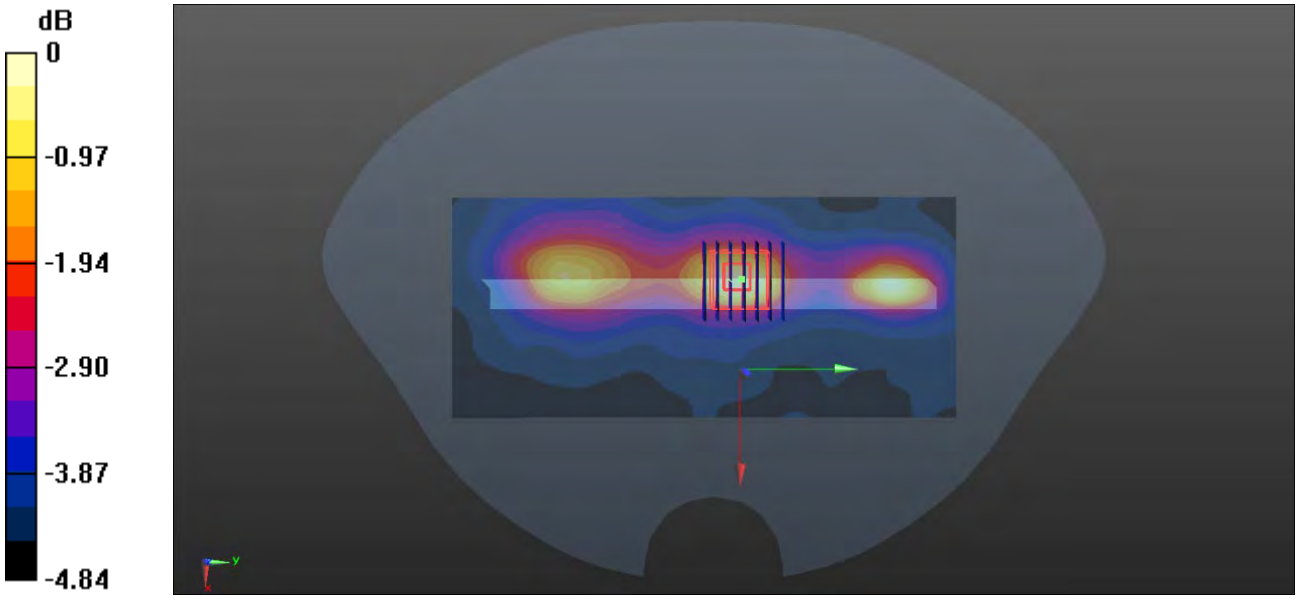
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.633 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.234 W/kg

SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.041 W/kg

Maximum value of SAR (measured) = 0.0648 W/kg



0 dB = 0.0648 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2170148-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2170148-AS-1.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “CALIBRATION REPORT_SAR.pdf”.

--END OF REPORT--