SAR TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

FOR

Mobile Phone

ISSUED TO
Guangdong OPPO Mobile Telecommunications Corp., Ltd.

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

Report No.:	BL-SZ21A0580-701
EUT Name:	Mobile Phone
Model Name:	CPH2371
Brand Name:	OPPO
FCC ID:	R9C-CPH2371
Test Standard:	47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Head (1 g): 1.05 W/kg Body (1 g): 0.68 W/kg Hotspot (1 g): 1.02 W/kg Specific (10 g): 1.84 W/kg
Test Conclusion:	Pass
Test Date:	Nov. 10, 2021 ~ Dec. 13, 2021
Date of Issue:	Jan. 17, 2022

Tested by: Xu Rui
Xu Rui
Date Jan. 17, 2022

Approved by: Wei Yanquan
(Chief Engineer)
Date Jan. 17, 2022

NOTE: This test report of test results only related to testing samples, which can be duplicated completely for the legal use with the approval of the applicant; it shall not be reproduced except in full, without the written approval of Shenzhen BALUN Technology Co., Ltd. Any objections should be raised within thirty days from the date of issue. To validate the report, please contact us.

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	Jan. 10, 2022	Initial Issue
Rev. 02	Jan. 12, 2022	Update related to all 2.4g WIFI 802.11ac(VHT20/40) writing; Updated data related to 5G WIFI Level4
Rev. 03	Jan. 17, 2022	Update picture in section 9

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	21℃ to 23℃
Ambient Relative Humidity	32% to 49%
Ambient Pressure	100 KPa to 102 KPa

1.4 Announce

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

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

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

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

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

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

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

2 PRODUCT INFORMATION

2.1 Applicant Information

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

2.2 Manufacturer Information

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

2.3 Factory Information

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

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	CPH2371
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	ColorOS V12
Dimensions (Approx.)	160.6*73.2*7.81mm
Weight (Approx.)	173g (with battery)
EUT ID	S13, S14, S16, S17
IMEI Number	S13: 862340050038238
	S14: 862340050038196
	S16: 862340050038533
	S17: 862340050040119
Note1: EUT ID is used to identify the test sample in the lab internally. Note2: It is performed to test SAR with the EUT S16, S17 and conducted power with the EUT S13, S14.	

2.5 Ancillary Equipment

Ancillary Equipment 1	Li-Polymer Battery 1	
	Brand Name	OPPO
	Model No.	BLP855
	Serial No.	N/A
	Capacitance	Rated: 2200mAh/17.02Wh Typical: 2250mAh/17.41Wh
	Rated Voltage	7.74 V
	Limited Voltage	8.90 V
	Manufacturer	Dongguan NVT Technology Co., Ltd.
Ancillary Equipment 2	Headset	
	Model No.	MH156
	Length (Approx.)	1.0 m

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA/DC-HSDPA/HSPA+ Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/17/26/66 TDD LTE Band 38/41 LTE CA Uplink (UL): CA_7C, CA_38C, CA_41C 5G Network SA: NR n5/n7/n38/n41 NSA(EN-DC): DC_7A_n66A, DC_66A_n66A, DC_5A_n7A, DC_7A_n7A, DC_66A_n7A, DC_7A_n5A Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n (HT20/40), 802.11VHT20/40, 802.11ax(HE20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80), 802.11ax(HE20/40/80) U-NII-1/2A/2C/3 GPS, GLONASS, BDS, Galileo, SBAS, NFC
Note : The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA, LTE and NR, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

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

Operating Mode	GSM, WCDMA, LTE, NR, WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	NR n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	NR n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	NR n66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	NR n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	NR n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	802.11b/g /n(HT20/HT40)	2412 ~ 2462 MHz	

	802.11VHT20/VHT40	2412 ~ 2462 MHz
	802.11 ax(HE20/HE40)	2412 ~ 2462 MHz
	802.11a	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	802.11n(HT20/HT40)	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	802.11 ac(VHT20/VHT40/ VHT80)	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	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	Support	
Hotspot Function	Support	
Power Reduction	Support	
Exposure Category	General Population/Uncontrolled exposure	
EUT Stage	Portable Device	
Product	Type	
	☒ Production unit	☐ Identical prototype

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

3 SUMMARY OF TEST RESULT

3.1 Test Standards

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

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR (1 g Value)

Band	Maximum Scaled SAR (W/kg)			Maximum Report SAR (W/kg)		
	Head	Body-worn Accessory	Hotspot	Head	Body-worn Accessory	Hotspot
GSM 850	0.74	0.25	0.29	1.05	0.68	1.02
GSM 1900	0.53	0.31	0.66			
WCDMA Band 2	0.87	0.44	0.74			
WCDMA Band 4	0.76	0.28	0.53			
WCDMA Band 5	0.97	0.14	0.28			
LTE Band 2	**1.05**	0.42	0.60			
LTE Band 4	0.83	0.40	0.59			
LTE Band 5	0.94	0.23	0.34			
LTE Band 7	0.87	0.47	0.62			
LTE Band 12	0.62	0.22	0.23			
LTE Band 26	**1.05**	0.21	0.21			
LTE Band 66	0.73	0.32	0.54			
LTE Band 38	0.74	0.30	0.55			
LTE Band 41	0.75	0.27	0.58			
CA_7C	0.60	0.28	0.60			
CA_38C	0.73	0.26	0.48			
CA_41C	0.73	0.27	0.47			
NR n5	0.62	0.22	0.35			
NR n7	0.73	0.38	0.79			
NR n38	0.85	0.41	0.69			
NR n41	0.55	0.40	**1.02**			
NR n66	0.52	0.33	0.45			
2.4G WLAN	0.88	0.12	0.20			
5.2G WLAN	/	/	0.28			
5.3G WLAN	1.01	0.40	/			
5.6G WLAN	0.59	0.51	/			
5.8G WLAN	0.63	**0.68**	0.49			
Bluetooth	0.27	0.03	0.03			
Limit (W/kg)	1.6			1.6		
Verdict	PASS					

3.3.2 Highest Specific SAR (10 g Value)

Band	Maximum Scaled SAR (W/kg)	Maximum Report SAR (W/kg)
	Specific 10g	
WCDMA Band 2	1.78	1.84
LTE Band 2	1.30	
5.3G WLAN	**1.84**	
5.6G WLAN	1.07	
Limit (W/kg)	4.0	4.0
Verdict	Pass	

3.3.3 Highest Simultaneous SAR

Position	Simultaneous Configuration	Simultaneous SAR (W/kg)	Limit (W/kg)	Verdict
Head (1g)	DC_7A_n66A + 5.3G WIFI + Bluetooth	1.24	1.6	Pass
Body-worn Accessory (1g)	DC_7A_n7A + 5.8G WIFI + Bluetooth	1.27	1.6	Pass
Hotspot (1g)	5G N41 + 5.8G WIFI + Bluetooth	1.49	1.6	Pass
Specific (10g)	WCDMA B2 + 5.3G WIFI	3.14	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 1.054 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 1.841 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

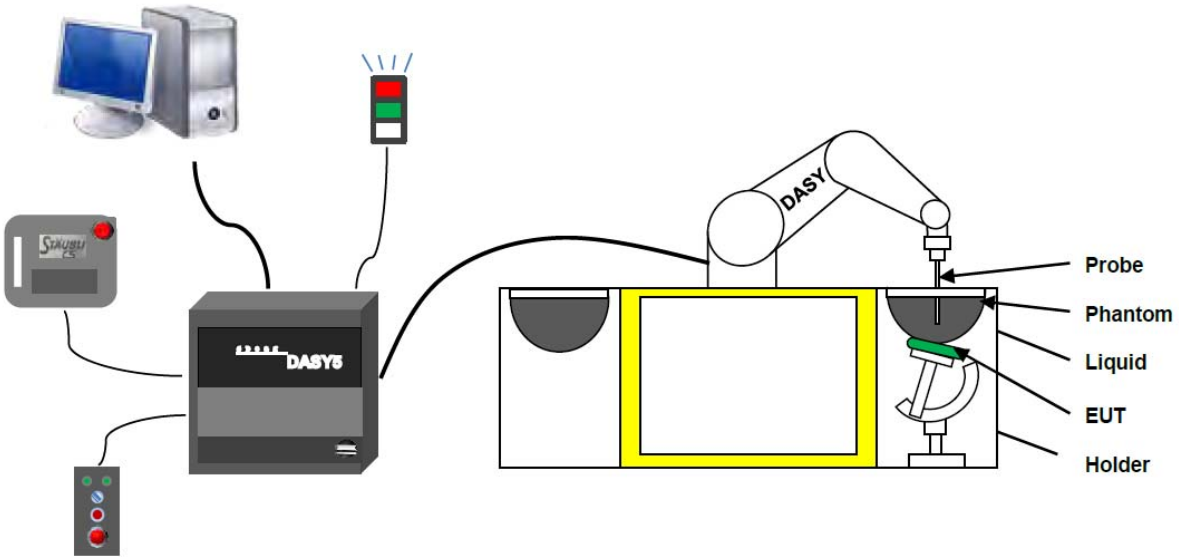
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^2}{\boldsymbol{\rho}}$$

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 with following specifications is used.

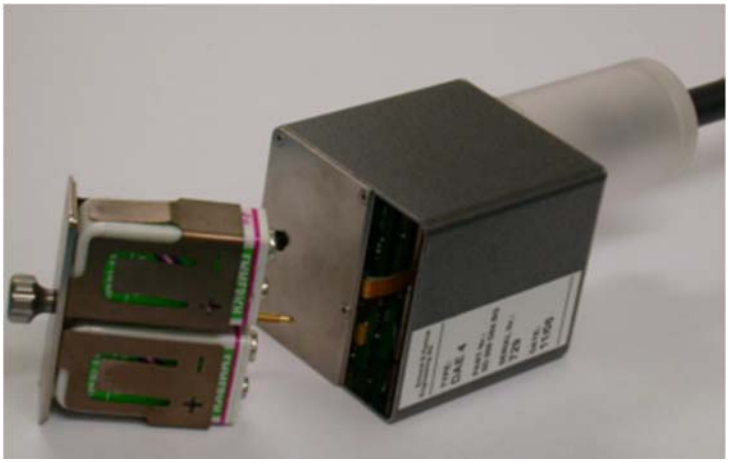
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 3 GHz; Linearity: ± 0.2 dB (30 MHz to 3 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

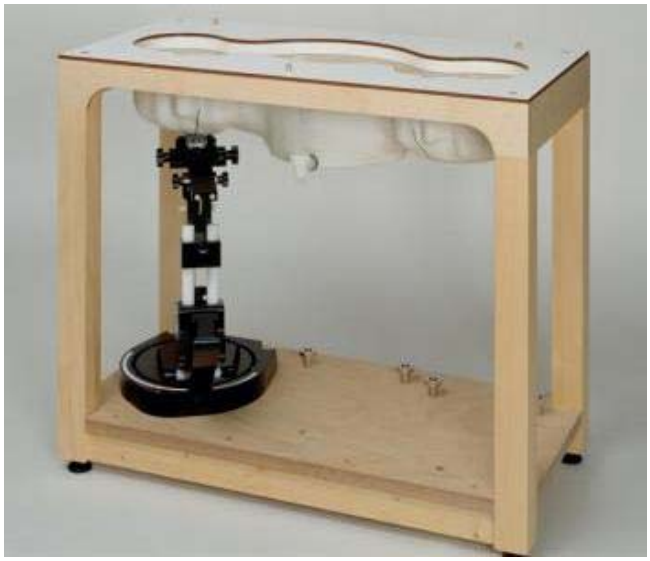
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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

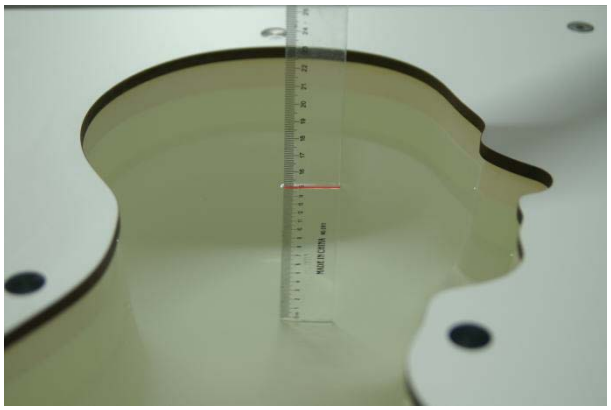
4.2.6 Device Holder

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
5500	62.52	17.24			17.24		4.96	35.6
5800	62.52	17.24			17.24		5.27	35.3
Body (From instrument manufacturer)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	51.7	47.2	0	0.9	0.1	0	0.96	55.5
835	50.8	48.2	0	0.9	0.1	0	0.97	55.2
900	50.8	48.2	0	0.9	0.1	0	1.05	55.0
1800, 1900, 2000	70.2	0	0	0.4	0	29.4	1.52	53.3
2450	68.6	0	0	0.1	0	31.3	1.95	52.7
2600	68.2	0	0	0.1	0	31.7	2.16	52.5
Frequency(MHz)	Water	DGBE (%)			Salt (%)		Conductivity σ (S/m)	Permittivity ε
5200	78.60	21.40			/		5.54	47.86

5500	78.60	21.40	/	5.44	
5800	78.50	21.40	0.1	6.0	48.20

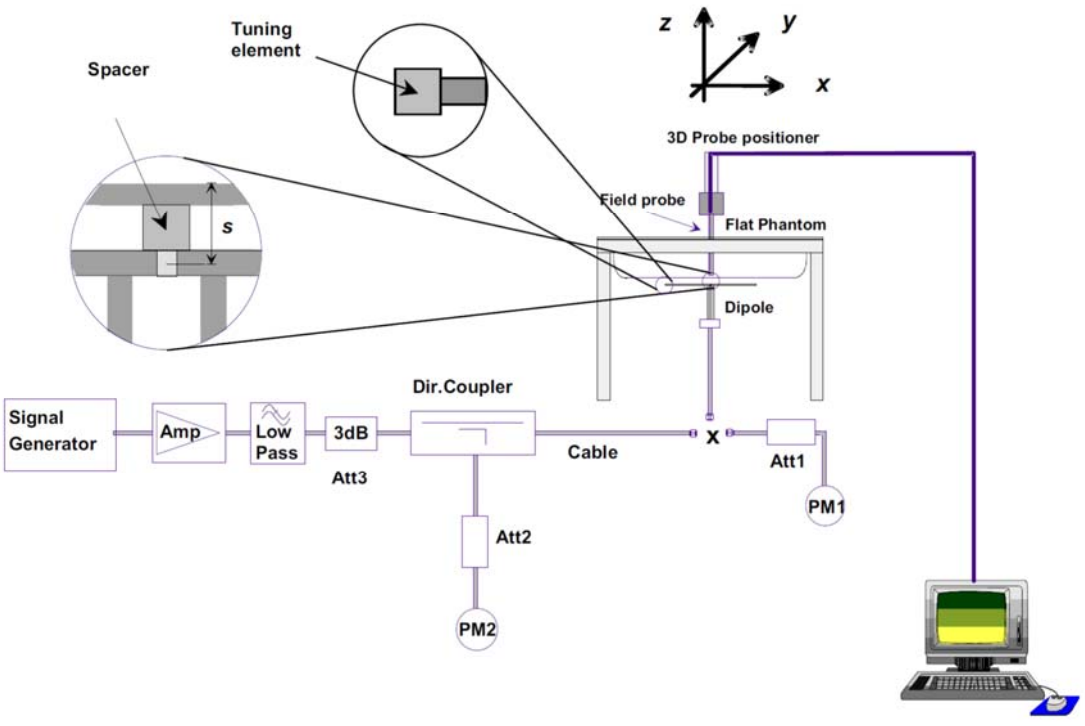
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

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

6.1 Head Exposure Conditions

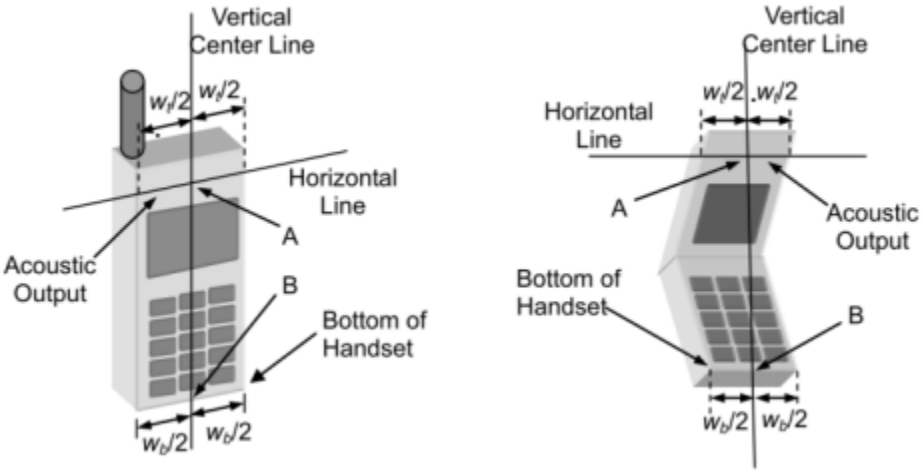
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

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

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

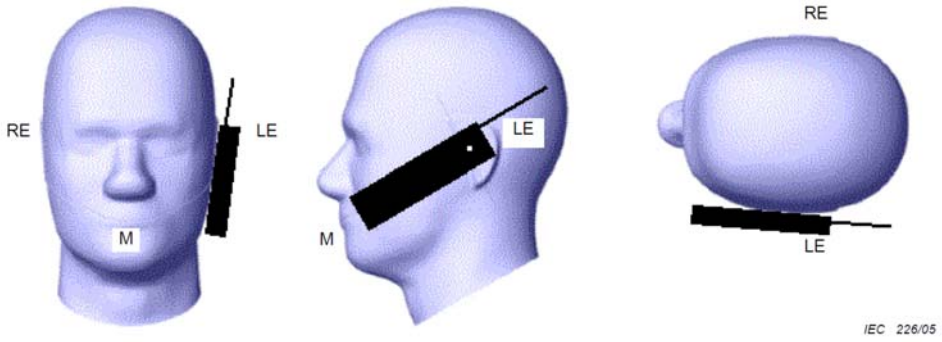
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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



6.1.2 Cheek Position

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

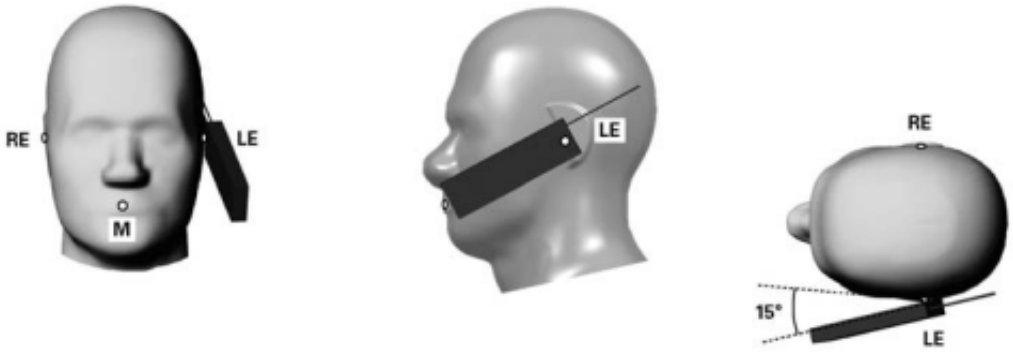
(b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with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



6.1.3 Tilted Position

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

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

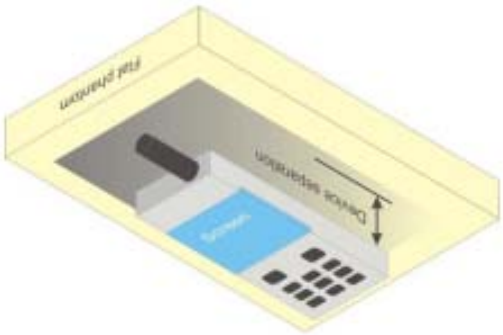


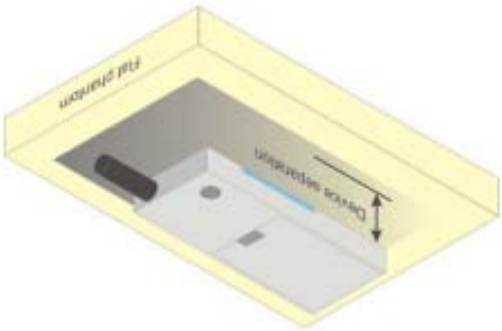
6.2 Body-worn Position Conditions

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

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

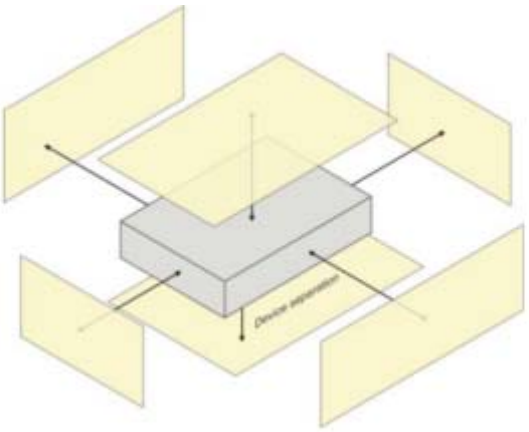
Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice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





6.3 Hotspot Mode Exposure Position Conditions

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



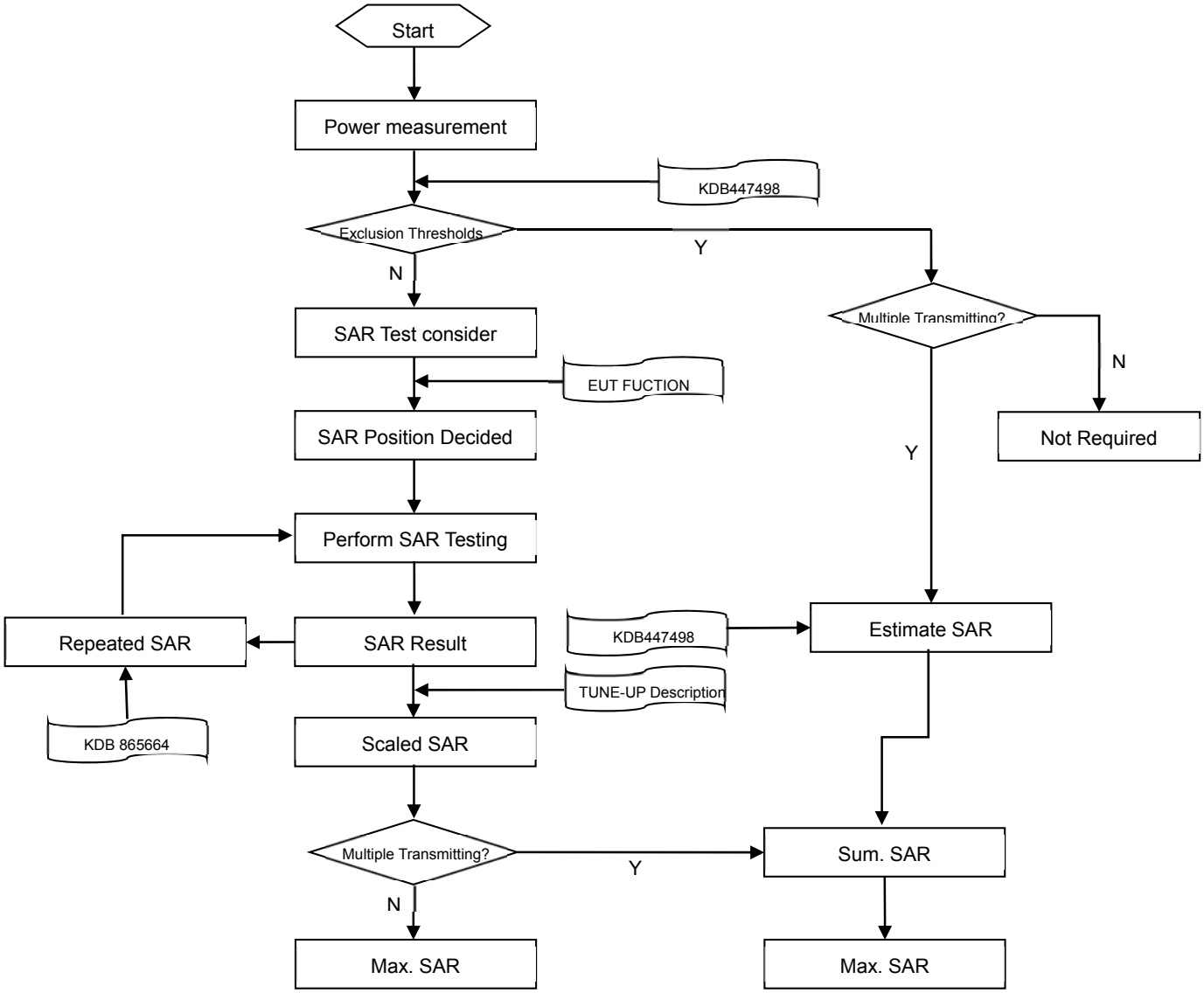
6.4 Product Specific 10g Exposure Consideration

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

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

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

7.3 Measurement Procedure

The following steps are used for each test position

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

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

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

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

7.4 Area & Zoom Scan Procedure

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

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

8 CONDUCTED RF OUPUT POWER

8.1 GSM

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

8.2 WCDMA

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

8.3 LTE

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

8.4 Intra-Band Uplink CA Power

Note:

1. This devices supports intra-band uplink CA of 7C/38C/41C.
2. For intra-band uplink carrier aggregation power verification and measurement is selected highest PCC and SCC bandwidth combination to do and was according to 3GPP 36.52101 sectino6.2.2A.1 and section 6.2.2A.2 test procedure.
3. For intra-band uplink CA output power was measured high / middle / low channel combination, and for SAR verification is selected highest output power combination with each exposure condition in each frequency band using the highest SAR configuration test in standalone LTE mode.

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

8.5 5G NR

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

8.6 WIFI

8.6.1 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.75	17.00	Yes
		6	2437	**16.76**	17.00	Yes
		11	2462	16.31	17.00	Yes
	802.11g	1	2412	17.02	18.00	No
		6	2437	17.17	18.00	No
		11	2462	17.00	18.00	No
	802.11n(HT20)	1	2412	17.00	18.00	No
		6	2437	16.98	18.00	No
		11	2462	16.93	18.00	No
	802.11n(HT40)	3	2422	17.04	18.00	No
		6	2437	17.14	18.00	No
		9	2452	17.16	18.00	No
	802.11VHT20	1	2412	17.00	18.00	No
		6	2437	17.15	18.00	No
		11	2462	16.90	18.00	No
	802.11VHT40	3	2422	16.93	18.00	No
		6	2437	17.16	18.00	No
		9	2452	16.98	18.00	No
	802.11ax(HE20) (SU)	1	2412	17.18	18.00	No
		6	2437	17.10	18.00	No
		11	2462	17.06	18.00	No
	802.11ax(HE40) (SU)	3	2422	17.14	18.00	No
		6	2437	16.99	18.00	No
		9	2452	16.91	18.00	No

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

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

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

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

Adjusted SAR = 0.883 * (63.10mW/50.12mW) = 1.11 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.2 2.4G WIFI-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.75	17.00	Yes
		6	2437	**16.76**	17.00	Yes
		11	2462	16.31	17.00	Yes
	802.11g	1	2412	17.02	18.00	No
		6	2437	17.17	18.00	No
		11	2462	17.00	18.00	No
	802.11n(HT20)	1	2412	17.00	18.00	No
		6	2437	16.98	18.00	No
		11	2462	16.93	18.00	No
	802.11n(HT40)	3	2422	17.04	18.00	No
		6	2437	17.14	18.00	No
		9	2452	17.16	18.00	No
	802.11VHT20	1	2412	17.00	18.00	No
		6	2437	17.15	18.00	No
		11	2462	16.90	18.00	No
	802.11VHT40	3	2422	16.93	18.00	No
		6	2437	17.16	18.00	No
		9	2452	16.98	18.00	No
	802.11ax(HE20) (SU)	1	2412	17.18	18.00	No
		6	2437	17.10	18.00	No
		11	2462	17.06	18.00	No
	802.11ax(HE40) (SU)	3	2422	17.14	18.00	No
		6	2437	16.99	18.00	No
		9	2452	16.91	18.00	No

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

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

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

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

Adjusted SAR = 0.883 * (63.10mW/50.12mW) = 1.11 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.3 2.4G WIFI-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	13.91	14.00	Yes
		6	2437	**13.93**	14.00	Yes
		11	2462	13.89	14.00	Yes
	802.11g	1	2412	14.84	15.00	No
		6	2437	14.75	15.00	No
		11	2462	14.70	15.00	No
	802.11n(HT20)	1	2412	14.92	15.00	No
		6	2437	14.86	15.00	No
		11	2462	14.80	15.00	No
	802.11n(HT40)	3	2422	14.86	15.00	No
		6	2437	14.94	15.00	No
		9	2452	14.89	15.00	No
	802.11VHT20	1	2412	14.85	15.00	No
		6	2437	14.72	15.00	No
		11	2462	14.73	15.00	No
	802.11VHT40	3	2422	14.82	15.00	No
		6	2437	15.00	15.00	No
		9	2452	15.00	15.00	No
	802.11ax(HE20) (SU)	1	2412	14.88	15.00	No
		6	2437	14.94	15.00	No
		11	2462	14.79	15.00	No
	802.11ax(HE40) (SU)	3	2422	14.81	15.00	No
		6	2437	14.87	15.00	No
		9	2452	14.82	15.00	No

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

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

2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n than 802.11VHT than 802.11ax.3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified

maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.

Adjusted SAR = 0.883 * (31.62mW/25.12mW) = 1.11 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.4 2.4G WIFI-Level3_OFF

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	16.75	17.00	Yes
		6	2437	**16.76**	17.00	Yes
		11	2462	16.31	17.00	Yes
	802.11g	1	2412	17.02	18.00	No
		6	2437	17.17	18.00	No
		11	2462	17.00	18.00	No
	802.11n(HT20)	1	2412	17.00	18.00	No
		6	2437	16.98	18.00	No
		11	2462	16.93	18.00	No
	802.11n(HT40)	3	2422	17.04	18.00	No
		6	2437	17.14	18.00	No
		9	2452	17.16	18.00	No
	802.11VHT20	1	2412	17.00	18.00	No
		6	2437	17.15	18.00	No
		11	2462	16.90	18.00	No
	802.11VHT40	3	2422	16.93	18.00	No
		6	2437	17.16	18.00	No
		9	2452	16.98	18.00	No
	802.11ax(HE20) (SU)	1	2412	17.18	18.00	No
		6	2437	17.10	18.00	No
		11	2462	17.06	18.00	No
	802.11ax(HE40) (SU)	3	2422	17.14	18.00	No
		6	2437	16.99	18.00	No
		9	2452	16.91	18.00	No

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

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

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

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

Adjusted SAR = 0.883 * (63.10mW/50.12mW) = 1.11 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.5 2.4G WIFI-Level3_ON2

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	16.75	17.00	Yes
		6	2437	**16.76**	17.00	Yes
		11	2462	16.31	17.00	Yes
	802.11g	1	2412	17.02	18.00	No
		6	2437	17.17	18.00	No
		11	2462	17.00	18.00	No
	802.11n(HT20)	1	2412	17.00	18.00	No
		6	2437	16.98	18.00	No
		11	2462	16.93	18.00	No
	802.11n(HT40)	3	2422	17.04	18.00	No
		6	2437	17.14	18.00	No
		9	2452	17.16	18.00	No
	802.11VHT20	1	2412	17.00	18.00	No
		6	2437	17.15	18.00	No
		11	2462	16.90	18.00	No
	802.11VHT40	3	2422	16.93	18.00	No
		6	2437	17.16	18.00	No
		9	2452	16.98	18.00	No
	802.11ax(HE20) (SU)	1	2412	17.18	18.00	No
		6	2437	17.10	18.00	No
		11	2462	17.06	18.00	No
	802.11ax(HE40) (SU)	3	2422	17.14	18.00	No
		6	2437	16.99	18.00	No
		9	2452	16.91	18.00	No

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

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

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

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

Adjusted SAR = 0.883 * (63.10mW/50.12mW) = 1.11 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.6 2.4G WIFI-Level4_OFF

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	16.75	17.00	Yes
		6	2437	**16.76**	17.00	Yes
		11	2462	16.31	17.00	Yes
	802.11g	1	2412	17.02	18.00	No
		6	2437	17.17	18.00	No
		11	2462	17.00	18.00	No
	802.11n(HT20)	1	2412	17.00	18.00	No
		6	2437	16.98	18.00	No
		11	2462	16.93	18.00	No
	802.11n(HT40)	3	2422	17.04	18.00	No
		6	2437	17.14	18.00	No
		9	2452	17.16	18.00	No
	802.11VHT20	1	2412	17.00	18.00	No
		6	2437	17.15	18.00	No
		11	2462	16.90	18.00	No
	802.11VHT40	3	2422	16.93	18.00	No
		6	2437	17.16	18.00	No
		9	2452	16.98	18.00	No
	802.11ax(HE20) (SU)	1	2412	17.18	18.00	No
		6	2437	17.10	18.00	No
		11	2462	17.06	18.00	No
	802.11ax(HE40) (SU)	3	2422	17.14	18.00	No
		6	2437	16.99	18.00	No
		9	2452	16.91	18.00	No

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

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

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

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

Adjusted SAR = 0.883 * (63.10mW/50.12mW) = 1.11 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.7 2.4G WIFI-Level4_ON2

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	16.75	17.00	Yes
		6	2437	**16.76**	17.00	Yes
		11	2462	16.31	17.00	Yes
	802.11g	1	2412	17.02	18.00	No
		6	2437	17.17	18.00	No
		11	2462	17.00	18.00	No
	802.11n(HT20)	1	2412	17.00	18.00	No
		6	2437	16.98	18.00	No
		11	2462	16.93	18.00	No
	802.11n(HT40)	3	2422	17.04	18.00	No
		6	2437	17.14	18.00	No
		9	2452	17.16	18.00	No
	802.11VHT20	1	2412	17.00	18.00	No
		6	2437	17.15	18.00	No
		11	2462	16.90	18.00	No
	802.11VHT40	3	2422	16.93	18.00	No
		6	2437	17.16	18.00	No
		9	2452	16.98	18.00	No
	802.11ax(HE20) (SU)	1	2412	17.18	18.00	No
		6	2437	17.10	18.00	No
		11	2462	17.06	18.00	No
	802.11ax(HE40) (SU)	3	2422	17.14	18.00	No
		6	2437	16.99	18.00	No
		9	2452	16.91	18.00	No

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

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

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

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

Adjusted SAR = 0.883 * (63.10mW/50.12mW) = 1.11 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.8 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	18.47	19.50	No
		40	5200	18.30	19.50	No
		48	5240	18.43	19.50	No
	802.11n(HT20)	36	5180	18.35	19.50	No
		44	5220	18.38	19.50	No
		48	5240	18.21	19.50	No
	802.11n(HT40)	38	5190	17.90	19.00	No
		46	5230	17.77	19.00	No
	802.11ac(VHT20)	36	5180	18.30	19.50	No
		40	5200	18.40	19.50	No
		48	5240	18.22	19.50	No
	802.11ac(VHT40)	38	5190	17.93	19.00	No
		46	5230	17.92	19.00	No
	802.11ac(VHT80)	42	5210	16.99	18.00	No
	802.11ax(HE20) (SU)	36	5180	17.36	18.50	No
		40	5200	17.48	18.50	No
		48	5240	17.31	18.50	No
	802.11ax(HE40) (SU)	38	5190	17.26	18.50	No
		46	5230	17.20	18.50	No
	802.11ax(HE80) (SU)	42	5210	16.71	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	**18.43**	19.50	Yes
		60	5300	18.33	19.50	Yes
		64	5320	18.22	19.50	Yes
	802.11n(HT20)	52	5260	18.37	19.50	No
		60	5300	18.41	19.50	No
		64	5320	18.33	19.50	No
	802.11n(HT40)	54	5270	17.78	19.00	No
		62	5310	17.96	19.00	No
	802.11ac(VHT20)	52	5260	18.47	19.50	No
		60	5300	18.33	19.50	No
		64	5320	18.35	19.50	No
	802.11ac(VHT40)	54	5270	17.92	19.00	No
		62	5310	18.00	19.00	No
	802.11ac(VHT80)	58	5290	16.85	18.00	No
	802.11ax(HE20) (SU)	52	5260	17.30	18.50	No
		60	5300	17.47	18.50	No
		64	5320	17.22	18.50	No
	802.11ax(HE40)	54	5270	17.29	18.50	No

	(SU)	62	5310	17.40	18.50	No
	802.11ax(HE80) (SU)	58	5290	17.00	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	18.28	19.50	Yes
		116	5580	**18.50**	19.50	Yes
		120	5600	18.30	19.50	Yes
		140	5700	18.28	19.50	Yes
		144	5720	18.39	19.50	Yes
	802.11n(HT20)	100	5500	18.25	19.50	No
		116	5580	18.20	19.50	No
		140	5700	18.22	19.50	No
		144	5720	18.33	19.50	No
	802.11n(HT40)	102	5510	17.90	19.00	No
		118	5590	17.80	19.00	No
		134	5670	17.90	19.00	No
		142	5710	17.73	19.00	No
	802.11ac(VHT20)	100	5500	18.40	19.50	No
		116	5580	18.46	19.50	No
		140	5700	18.33	19.50	No
		144	5720	18.27	19.50	No
	802.11ac(VHT40)	102	5510	17.76	19.00	No
		118	5590	18.00	19.00	No
		134	5670	17.95	19.00	No
		142	5710	17.84	19.00	No
	802.11ac(VHT80)	106	5530	16.79	18.00	No
		122	5610	16.78	18.00	No
		138	5690	16.82	18.00	No
	802.11ax(HE20) (SU)	100	5500	17.31	18.50	No
		116	5580	17.33	18.50	No
		140	5700	17.46	18.50	No
		144	5720	17.24	18.50	No
	802.11ax(HE40) (SU)	102	5510	17.42	18.50	No
		118	5590	17.31	18.50	No
		134	5670	17.38	18.50	No
		142	5710	17.31	18.50	No
	802.11ax(HE80) (SU)	106	5530	16.78	18.00	No
		122	5610	16.74	18.00	No
		138	5690	16.90	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	18.39	19.50	Yes
		157	5785	**18.40**	19.50	Yes
		165	5825	18.30	19.50	Yes
	802.11n(HT20)	149	5745	18.39	19.50	No

		157	5785	18.39	19.50	No
		165	5825	18.35	19.50	No
	802.11n(HT40)	151	5755	17.92	19.00	No
		159	5795	17.99	19.00	No
	802.11ac(VHT20)	149	5745	18.21	19.50	No
		157	5785	18.44	19.50	No
		165	5825	18.21	19.50	No
	802.11ac(VHT40)	151	5755	17.77	19.00	No
		159	5795	17.85	19.00	No
	802.11ac(VHT80)	155	5775	16.70	18.00	No
	802.11ax(HE20) (SU)	149	5745	17.20	18.50	No
		157	5785	17.20	18.50	No
		165	5825	17.45	18.50	No
	802.11ax(HE40) (SU)	151	5755	17.41	18.50	No
		159	5795	17.25	18.50	No
	802.11ax(HE80) (SU)	155	5775	16.97	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.9 5G WIFI-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.55	15.00	No
		40	5200	14.58	15.00	No
		48	5240	14.64	15.00	No
	802.11n(HT20)	36	5180	14.51	15.00	No
		44	5220	14.48	15.00	No
		48	5240	14.53	15.00	No
	802.11n(HT40)	38	5190	13.17	13.50	No
		46	5230	12.91	13.50	No
	802.11ac(VHT20)	36	5180	14.52	15.00	No
		40	5200	14.50	15.00	No
		48	5240	14.50	15.00	No
	802.11ac(VHT40)	38	5190	14.03	14.50	No
		46	5230	13.93	14.50	No
	802.11ac(VHT80)	42	5210	13.17	13.50	No
	802.11ax(HE20) (SU)	36	5180	13.44	14.00	No
		40	5200	13.62	14.00	No
		48	5240	13.44	14.00	No
	802.11ax(HE40) (SU)	38	5190	13.61	14.00	No
		46	5230	13.46	14.00	No
	802.11ax(HE80) (SU)	42	5210	13.19	13.50	No
5.3 (5.25~5.35)	802.11a	52	5260	**14.18**	15.00	Yes
		60	5300	14.12	15.00	Yes
		64	5320	14.12	15.00	Yes
	802.11n(HT20)	52	5260	14.06	15.00	No
		60	5300	14.13	15.00	No
		64	5320	14.30	15.00	No
	802.11n(HT40)	54	5270	12.83	13.50	No
		62	5310	12.53	13.50	No
	802.11ac(VHT20)	52	5260	14.29	15.00	No
		60	5300	14.25	15.00	No
		64	5320	14.23	15.00	No
	802.11ac(VHT40)	54	5270	14.16	14.50	No
		62	5310	13.63	14.50	No
	802.11ac(VHT80)	58	5290	12.58	13.50	No
	802.11ax(HE20) (SU)	52	5260	13.79	14.00	No
		60	5300	13.88	14.00	No
		64	5320	13.32	14.00	No
	802.11ax(HE40)	54	5270	13.25	14.00	No

	(SU)	62	5310	13.74	14.00	No
	802.11ax(HE80) (SU)	58	5290	12.90	13.50	No
5.6 (5.47~5.725)	802.11a	100	5500	14.39	15.00	Yes
		116	5580	**14.79**	15.00	Yes
		120	5600	14.58	15.00	Yes
		140	5700	13.41	15.00	Yes
		144	5720	13.31	15.00	Yes
	802.11n(HT20)	100	5500	14.02	15.00	No
		116	5580	14.24	15.00	No
		140	5700	14.78	15.00	No
		144	5720	14.97	15.00	No
	802.11n(HT40)	102	5510	13.48	13.50	No
		118	5590	13.25	13.50	No
		134	5670	12.58	13.50	No
		142	5710	12.65	13.50	No
	802.11ac(VHT20)	100	5500	14.72	15.00	No
		116	5580	14.29	15.00	No
		140	5700	14.51	15.00	No
		144	5720	14.20	15.00	No
	802.11ac(VHT40)	102	5510	13.63	14.50	No
		118	5590	13.51	14.50	No
		134	5670	14.47	14.50	No
		142	5710	13.91	14.50	No
	802.11ac(VHT80)	106	5530	12.59	13.50	No
		122	5610	12.74	13.50	No
		138	5690	13.48	13.50	No
	802.11ax(HE20) (SU)	100	5500	13.67	14.00	No
		116	5580	13.77	14.00	No
		140	5700	13.14	14.00	No
		144	5720	13.43	14.00	No
	802.11ax(HE40) (SU)	102	5510	13.86	14.00	No
		118	5590	13.21	14.00	No
		134	5670	13.01	14.00	No
		142	5710	13.58	14.00	No
	802.11ax(HE80) (SU)	106	5530	13.47	13.50	No
		122	5610	12.66	13.50	No
		138	5690	12.73	13.50	No
5.8 (5.725~5.850)	802.11a	149	5745	14.69	15.00	Yes
		157	5785	**14.87**	15.00	Yes
		165	5825	14.69	15.00	Yes
	802.11n(HT20)	149	5745	14.73	15.00	No

		157	5785	14.55	15.00	No
		165	5825	14.68	15.00	No
	802.11n(HT40)	151	5755	12.87	13.50	No
		159	5795	12.89	13.50	No
	802.11ac(VHT20)	149	5745	14.48	15.00	No
		157	5785	14.83	15.00	No
		165	5825	14.67	15.00	No
	802.11ac(VHT40)	151	5755	13.59	14.50	No
		159	5795	14.22	14.50	No
	802.11ac(VHT80)	155	5775	13.11	13.50	No
	802.11ax(HE20) (SU)	149	5745	13.92	14.00	No
		157	5785	13.60	14.00	No
		165	5825	13.41	14.00	No
	802.11ax(HE40) (SU)	151	5755	13.14	14.00	No
		159	5795	13.05	14.00	No
	802.11ax(HE80) (SU)	155	5775	13.41	13.50	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.10 5G WIFI-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	9.53	10.00	No
		40	5200	9.52	10.00	No
		48	5240	9.58	10.00	No
	802.11n(HT20)	36	5180	9.78	10.00	No
		44	5220	9.88	10.00	No
		48	5240	9.57	10.00	No
	802.11n(HT40)	38	5190	9.20	9.50	No
		46	5230	9.35	9.50	No
	802.11ac(VHT20)	36	5180	9.58	10.00	No
		40	5200	9.81	10.00	No
		48	5240	9.76	10.00	No
	802.11ac(VHT40)	38	5190	9.31	9.50	No
		46	5230	9.50	9.50	No
	802.11ac(VHT80)	42	5210	8.26	8.50	No
	802.11ax(HE20) (SU)	36	5180	8.70	9.00	No
		40	5200	8.75	9.00	No
		48	5240	8.60	9.00	No
	802.11ax(HE40) (SU)	38	5190	8.75	9.00	No
		46	5230	8.87	9.00	No
	802.11ax(HE80) (SU)	42	5210	8.42	8.50	No
5.3 (5.25~5.35)	802.11a	52	5260	**9.68**	10.00	Yes
		60	5300	9.67	10.00	Yes
		64	5320	9.66	10.00	Yes
	802.11n(HT20)	52	5260	9.55	10.00	No
		60	5300	9.63	10.00	No
		64	5320	9.80	10.00	No
	802.11n(HT40)	54	5270	9.16	9.50	No
		62	5310	9.03	9.50	No
	802.11ac(VHT20)	52	5260	9.96	10.00	No
		60	5300	9.96	10.00	No
		64	5320	9.87	10.00	No
	802.11ac(VHT40)	54	5270	9.25	9.50	No
		62	5310	9.03	9.50	No
	802.11ac(VHT80)	58	5290	8.41	8.50	No
	802.11ax(HE20) (SU)	52	5260	8.79	9.00	No
		60	5300	8.92	9.00	No
		64	5320	8.65	9.00	No
	802.11ax(HE40)	54	5270	8.94	9.00	No

	(SU)	62	5310	8.59	9.00	No
	802.11ax(HE80) (SU)	58	5290	8.50	8.50	No
5.6 (5.47~5.725)	802.11a	100	5500	9.70	10.00	Yes
		116	5580	**9.71**	10.00	Yes
		120	5600	9.32	10.00	Yes
		140	5700	8.63	10.00	Yes
		144	5720	8.52	10.00	Yes
	802.11n(HT20)	100	5500	9.88	10.00	No
		116	5580	9.96	10.00	No
		140	5700	9.63	10.00	No
		144	5720	10.00	10.00	No
	802.11n(HT40)	102	5510	9.21	9.50	No
		118	5590	9.06	9.50	No
		134	5670	9.12	9.50	No
		142	5710	9.42	9.50	No
	802.11ac(VHT20)	100	5500	9.67	10.00	No
		116	5580	9.79	10.00	No
		140	5700	9.99	10.00	No
		144	5720	9.99	10.00	No
	802.11ac(VHT40)	102	5510	9.22	9.50	No
		118	5590	9.08	9.50	No
		134	5670	9.25	9.50	No
		142	5710	9.01	9.50	No
	802.11ac(VHT80)	106	5530	8.18	8.50	No
		122	5610	8.27	8.50	No
		138	5690	8.13	8.50	No
	802.11ax(HE20) (SU)	100	5500	8.59	9.00	No
		116	5580	8.58	9.00	No
		140	5700	8.58	9.00	No
		144	5720	8.76	9.00	No
	802.11ax(HE40) (SU)	102	5510	8.75	9.00	No
		118	5590	8.93	9.00	No
		134	5670	8.63	9.00	No
		142	5710	8.98	9.00	No
	802.11ax(HE80) (SU)	106	5530	8.49	8.50	No
		122	5610	8.48	8.50	No
		138	5690	8.02	8.50	No
5.8 (5.725~5.850)	802.11a	149	5745	9.86	10.00	Yes
		157	5785	**9.88**	10.00	Yes
		165	5825	9.72	10.00	Yes
	802.11n(HT20)	149	5745	9.70	10.00	No

		157	5785	9.65	10.00	No
		165	5825	9.52	10.00	No
	802.11n(HT40)	151	5755	9.07	9.50	No
		159	5795	9.22	9.50	No
	802.11ac(VHT20)	149	5745	9.61	10.00	No
		157	5785	9.72	10.00	No
		165	5825	9.64	10.00	No
	802.11ac(VHT40)	151	5755	9.01	9.50	No
		159	5795	9.12	9.50	No
	802.11ac(VHT80)	155	5775	8.50	8.50	No
	802.11ax(HE20) (SU)	149	5745	8.69	9.00	No
		157	5785	8.76	9.00	No
		165	5825	8.96	9.00	No
	802.11ax(HE40) (SU)	151	5755	8.76	9.00	No
		159	5795	8.75	9.00	No
	802.11ax(HE80) (SU)	155	5775	8.26	8.50	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.11 5G WIFI-Level3_OFF

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	18.47	19.50	No
		40	5200	18.30	19.50	No
		48	5240	18.43	19.50	No
	802.11n(HT20)	36	5180	18.35	19.50	No
		44	5220	18.38	19.50	No
		48	5240	18.21	19.50	No
	802.11n(HT40)	38	5190	17.90	19.00	No
		46	5230	17.77	19.00	No
	802.11ac(VHT20)	36	5180	18.30	19.50	No
		40	5200	18.40	19.50	No
		48	5240	18.22	19.50	No
	802.11ac(VHT40)	38	5190	17.93	19.00	No
		46	5230	17.92	19.00	No
	802.11ac(VHT80)	42	5210	16.99	18.00	No
	802.11ax(HE20) (SU)	36	5180	17.36	18.50	No
		40	5200	17.48	18.50	No
		48	5240	17.31	18.50	No
	802.11ax(HE40) (SU)	38	5190	17.26	18.50	No
		46	5230	17.20	18.50	No
	802.11ax(HE80) (SU)	42	5210	16.71	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	**18.43**	19.50	Yes
		60	5300	18.33	19.50	Yes
		64	5320	18.22	19.50	Yes
	802.11n(HT20)	52	5260	18.37	19.50	No
		60	5300	18.41	19.50	No
		64	5320	18.33	19.50	No
	802.11n(HT40)	54	5270	17.78	19.00	No
		62	5310	17.96	19.00	No
	802.11ac(VHT20)	52	5260	18.47	19.50	No
		60	5300	18.33	19.50	No
		64	5320	18.35	19.50	No
	802.11ac(VHT40)	54	5270	17.92	19.00	No
		62	5310	18.00	19.00	No
	802.11ac(VHT80)	58	5290	16.85	18.00	No
	802.11ax(HE20) (SU)	52	5260	17.30	18.50	No
		60	5300	17.47	18.50	No
		64	5320	17.22	18.50	No
	802.11ax(HE40)	54	5270	17.29	18.50	No

	(SU)	62	5310	17.40	18.50	No
	802.11ax(HE80) (SU)	58	5290	17.00	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	18.28	19.50	Yes
		116	5580	**18.50**	19.50	Yes
		120	5600	18.30	19.50	Yes
		140	5700	18.28	19.50	Yes
		144	5720	18.39	19.50	Yes
	802.11n(HT20)	100	5500	18.25	19.50	No
		116	5580	18.20	19.50	No
		140	5700	18.22	19.50	No
		144	5720	18.33	19.50	No
	802.11n(HT40)	102	5510	17.90	19.00	No
		118	5590	17.80	19.00	No
		134	5670	17.90	19.00	No
		142	5710	17.73	19.00	No
	802.11ac(VHT20)	100	5500	18.40	19.50	No
		116	5580	18.46	19.50	No
		140	5700	18.33	19.50	No
		144	5720	18.27	19.50	No
	802.11ac(VHT40)	102	5510	17.76	19.00	No
		118	5590	18.00	19.00	No
		134	5670	17.95	19.00	No
		142	5710	17.84	19.00	No
	802.11ac(VHT80)	106	5530	16.79	18.00	No
		122	5610	16.78	18.00	No
		138	5690	16.82	18.00	No
	802.11ax(HE20) (SU)	100	5500	17.31	18.50	No
		116	5580	17.33	18.50	No
		140	5700	17.46	18.50	No
		144	5720	17.24	18.50	No
	802.11ax(HE40) (SU)	102	5510	17.42	18.50	No
		118	5590	17.31	18.50	No
		134	5670	17.38	18.50	No
		142	5710	17.31	18.50	No
	802.11ax(HE80) (SU)	106	5530	16.78	18.00	No
		122	5610	16.74	18.00	No
		138	5690	16.90	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	18.39	19.50	Yes
		157	5785	**18.40**	19.50	Yes
		165	5825	18.30	19.50	Yes
	802.11n(HT20)	149	5745	18.39	19.50	No

		157	5785	18.39	19.50	No
		165	5825	18.35	19.50	No
	802.11n(HT40)	151	5755	17.92	19.00	No
		159	5795	17.99	19.00	No
	802.11ac(VHT20)	149	5745	18.21	19.50	No
		157	5785	18.44	19.50	No
		165	5825	18.21	19.50	No
	802.11ac(VHT40)	151	5755	17.77	19.00	No
		159	5795	17.85	19.00	No
	802.11ac(VHT80)	155	5775	16.70	18.00	No
	802.11ax(HE20) (SU)	149	5745	17.20	18.50	No
		157	5785	17.20	18.50	No
		165	5825	17.45	18.50	No
	802.11ax(HE40) (SU)	151	5755	17.41	18.50	No
		159	5795	17.25	18.50	No
	802.11ax(HE80) (SU)	155	5775	16.97	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.12 5G WIFI-Level3_ON2

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	18.47	19.50	No
		40	5200	18.30	19.50	No
		48	5240	18.43	19.50	No
	802.11n(HT20)	36	5180	18.35	19.50	No
		44	5220	18.38	19.50	No
		48	5240	18.21	19.50	No
	802.11n(HT40)	38	5190	17.90	19.00	No
		46	5230	17.77	19.00	No
	802.11ac(VHT20)	36	5180	18.30	19.50	No
		40	5200	18.40	19.50	No
		48	5240	18.22	19.50	No
	802.11ac(VHT40)	38	5190	17.93	19.00	No
		46	5230	17.92	19.00	No
	802.11ac(VHT80)	42	5210	16.99	18.00	No
	802.11ax(HE20) (SU)	36	5180	17.36	18.50	No
		40	5200	17.48	18.50	No
		48	5240	17.31	18.50	No
	802.11ax(HE40) (SU)	38	5190	17.26	18.50	No
		46	5230	17.20	18.50	No
	802.11ax(HE80) (SU)	42	5210	16.71	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	**18.43**	19.50	Yes
		60	5300	18.33	19.50	Yes
		64	5320	18.22	19.50	Yes
	802.11n(HT20)	52	5260	18.37	19.50	No
		60	5300	18.41	19.50	No
		64	5320	18.33	19.50	No
	802.11n(HT40)	54	5270	17.78	19.00	No
		62	5310	17.96	19.00	No
	802.11ac(VHT20)	52	5260	18.47	19.50	No
		60	5300	18.33	19.50	No
		64	5320	18.35	19.50	No
	802.11ac(VHT40)	54	5270	17.92	19.00	No
		62	5310	18.00	19.00	No
	802.11ac(VHT80)	58	5290	16.85	18.00	No
	802.11ax(HE20) (SU)	52	5260	17.30	18.50	No
		60	5300	17.47	18.50	No
		64	5320	17.22	18.50	No
	802.11ax(HE40)	54	5270	17.29	18.50	No

	(SU)	62	5310	17.40	18.50	No
	802.11ax(HE80) (SU)	58	5290	17.00	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	18.28	19.50	Yes
		116	5580	**18.50**	19.50	Yes
		120	5600	18.30	19.50	Yes
		140	5700	18.28	19.50	Yes
		144	5720	18.39	19.50	Yes
	802.11n(HT20)	100	5500	18.25	19.50	No
		116	5580	18.20	19.50	No
		140	5700	18.22	19.50	No
		144	5720	18.33	19.50	No
	802.11n(HT40)	102	5510	17.90	19.00	No
		118	5590	17.80	19.00	No
		134	5670	17.90	19.00	No
		142	5710	17.73	19.00	No
	802.11ac(VHT20)	100	5500	18.40	19.50	No
		116	5580	18.46	19.50	No
		140	5700	18.33	19.50	No
		144	5720	18.27	19.50	No
	802.11ac(VHT40)	102	5510	17.76	19.00	No
		118	5590	18.00	19.00	No
		134	5670	17.95	19.00	No
		142	5710	17.84	19.00	No
	802.11ac(VHT80)	106	5530	16.79	18.00	No
		122	5610	16.78	18.00	No
		138	5690	16.82	18.00	No
	802.11ax(HE20) (SU)	100	5500	17.31	18.50	No
		116	5580	17.33	18.50	No
		140	5700	17.46	18.50	No
		144	5720	17.24	18.50	No
	802.11ax(HE40) (SU)	102	5510	17.42	18.50	No
		118	5590	17.31	18.50	No
		134	5670	17.38	18.50	No
		142	5710	17.31	18.50	No
	802.11ax(HE80) (SU)	106	5530	16.78	18.00	No
		122	5610	16.74	18.00	No
		138	5690	16.90	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	18.39	19.50	Yes
		157	5785	**18.40**	19.50	Yes
		165	5825	18.30	19.50	Yes
	802.11n(HT20)	149	5745	18.39	19.50	No

		157	5785	18.39	19.50	No
		165	5825	18.35	19.50	No
	802.11n(HT40)	151	5755	17.92	19.00	No
		159	5795	17.99	19.00	No
	802.11ac(VHT20)	149	5745	18.21	19.50	No
		157	5785	18.44	19.50	No
		165	5825	18.21	19.50	No
	802.11ac(VHT40)	151	5755	17.77	19.00	No
		159	5795	17.85	19.00	No
	802.11ac(VHT80)	155	5775	16.70	18.00	No
	802.11ax(HE20) (SU)	149	5745	17.20	18.50	No
		157	5785	17.20	18.50	No
		165	5825	17.45	18.50	No
	802.11ax(HE40) (SU)	151	5755	17.41	18.50	No
		159	5795	17.25	18.50	No
	802.11ax(HE80) (SU)	155	5775	16.97	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.13 5G WIFI-Level4_OFF

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	**15.99**	16.00	Yes
		40	5200	15.98	16.00	Yes
		48	5240	15.99	16.00	Yes
	802.11n(HT20)	36	5180	15.98	16.00	No
		44	5220	15.90	16.00	No
		48	5240	15.87	16.00	No
	802.11n(HT40)	38	5190	15.42	15.50	No
		46	5230	15.37	15.50	No
	802.11ac(VHT20)	36	5180	15.51	16.00	No
		40	5200	15.94	16.00	No
		48	5240	15.66	16.00	No
	802.11ac(VHT40)	38	5190	15.17	15.50	No
		46	5230	15.07	15.50	No
	802.11ac(VHT80)	42	5210	14.24	14.50	No
	802.11ax(HE20) (SU)	36	5180	14.94	15.00	No
		40	5200	14.53	15.00	No
		48	5240	14.56	15.00	No
	802.11ax(HE40) (SU)	38	5190	14.65	15.00	No
		46	5230	14.58	15.00	No
	802.11ax(HE80) (SU)	42	5210	14.48	14.50	No
5.3 (5.25~5.35)	802.11a	52	5260	15.11	16.00	Yes
		60	5300	**15.61**	16.00	Yes
		64	5320	14.74	16.00	Yes
	802.11n(HT20)	52	5260	15.58	16.00	No
		60	5300	15.79	16.00	No
		64	5320	15.84	16.00	No
	802.11n(HT40)	54	5270	15.29	15.50	No
		62	5310	15.43	15.50	No
	802.11ac(VHT20)	52	5260	15.85	16.00	No
		60	5300	15.97	16.00	No
		64	5320	15.59	16.00	No
	802.11ac(VHT40)	54	5270	15.39	15.50	No
		62	5310	15.49	15.50	No
	802.11ac(VHT80)	58	5290	14.06	14.50	No
	802.11ax(HE20) (SU)	52	5260	14.52	15.00	No
		60	5300	14.76	15.00	No
		64	5320	14.68	15.00	No
	802.11ax(HE40)	54	5270	14.56	15.00	No

	(SU)	62	5310	14.70	15.00	No
	802.11ax(HE80) (SU)	58	5290	14.38	14.50	No
5.6 (5.47~5.725)	802.11a	100	5500	**15.84**	16.00	Yes
		116	5580	15.14	16.00	Yes
		120	5600	15.48	16.00	Yes
		140	5700	14.32	16.00	Yes
		144	5720	14.23	16.00	Yes
	802.11n(HT20)	100	5500	15.74	16.00	No
		116	5580	15.57	16.00	No
		140	5700	15.86	16.00	No
		144	5720	15.82	16.00	No
	802.11n(HT40)	102	5510	15.01	15.50	No
		118	5590	15.43	15.50	No
		134	5670	15.17	15.50	No
		142	5710	15.30	15.50	No
	802.11ac(VHT20)	100	5500	15.52	16.00	No
		116	5580	15.93	16.00	No
		140	5700	15.97	16.00	No
		144	5720	15.50	16.00	No
	802.11ac(VHT40)	102	5510	15.34	15.50	No
		118	5590	15.03	15.50	No
		134	5670	15.36	15.50	No
		142	5710	15.45	15.50	No
	802.11ac(VHT80)	106	5530	14.30	14.50	No
		122	5610	14.48	14.50	No
		138	5690	14.25	14.50	No
	802.11ax(HE20) (SU)	100	5500	14.84	15.00	No
		116	5580	14.60	15.00	No
		140	5700	14.56	15.00	No
		144	5720	14.59	15.00	No
	802.11ax(HE40) (SU)	102	5510	14.88	15.00	No
		118	5590	14.68	15.00	No
		134	5670	14.51	15.00	No
		142	5710	14.56	15.00	No
	802.11ax(HE80) (SU)	106	5530	14.31	14.50	No
		122	5610	14.08	14.50	No
		138	5690	14.40	14.50	No
5.8 (5.725~5.850)	802.11a	149	5745	15.60	16.00	Yes
		157	5785	**15.66**	16.00	Yes
		165	5825	15.02	16.00	Yes
	802.11n(HT20)	149	5745	15.53	16.00	No

		157	5785	15.99	16.00	No
		165	5825	15.75	16.00	No
	802.11n(HT40)	151	5755	15.43	15.50	No
		159	5795	15.23	15.50	No
	802.11ac(VHT20)	149	5745	15.63	16.00	No
		157	5785	15.83	16.00	No
		165	5825	15.51	16.00	No
	802.11ac(VHT40)	151	5755	15.48	15.50	No
		159	5795	15.26	15.50	No
	802.11ac(VHT80)	155	5775	14.08	14.50	No
	802.11ax(HE20) (SU)	149	5745	14.88	15.00	No
		157	5785	14.89	15.00	No
		165	5825	14.95	15.00	No
	802.11ax(HE40) (SU)	151	5755	14.60	15.00	No
		159	5795	14.88	15.00	No
	802.11ax(HE80) (SU)	155	5775	14.24	14.50	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.14 5G WIFI-Level4_ON2

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	15.99	16.00	No
		40	5200	15.98	16.00	No
		48	5240	15.99	16.00	No
	802.11n(HT20)	36	5180	15.98	16.00	No
		44	5220	15.90	16.00	No
		48	5240	15.87	16.00	No
	802.11n(HT40)	38	5190	15.42	15.50	No
		46	5230	15.37	15.50	No
	802.11ac(VHT20)	36	5180	15.51	16.00	No
		40	5200	15.94	16.00	No
		48	5240	15.66	16.00	No
	802.11ac(VHT40)	38	5190	15.17	15.50	No
		46	5230	15.07	15.50	No
	802.11ac(VHT80)	42	5210	14.24	14.50	No
	802.11ax(HE20) (SU)	36	5180	14.94	15.00	No
		40	5200	14.53	15.00	No
		48	5240	14.56	15.00	No
	802.11ax(HE40) (SU)	38	5190	14.65	15.00	No
		46	5230	14.58	15.00	No
	802.11ax(HE80) (SU)	42	5210	14.48	14.50	No
5.3 (5.25~5.35)	802.11a	52	5260	15.11	16.00	Yes
		60	5300	**15.61**	16.00	Yes
		64	5320	14.74	16.00	Yes
	802.11n(HT20)	52	5260	15.58	16.00	No
		60	5300	15.79	16.00	No
		64	5320	15.84	16.00	No
	802.11n(HT40)	54	5270	15.29	15.50	No
		62	5310	15.43	15.50	No
	802.11ac(VHT20)	52	5260	15.85	16.00	No
		60	5300	15.97	16.00	No
		64	5320	15.59	16.00	No
	802.11ac(VHT40)	54	5270	15.39	15.50	No
		62	5310	15.49	15.50	No
	802.11ac(VHT80)	58	5290	14.06	14.50	No
	802.11ax(HE20) (SU)	52	5260	14.52	15.00	No
		60	5300	14.76	15.00	No
		64	5320	14.68	15.00	No
	802.11ax(HE40)	54	5270	14.56	15.00	No

	(SU)	62	5310	14.70	15.00	No
	802.11ax(HE80) (SU)	58	5290	14.38	14.50	No
5.6 (5.47~5.725)	802.11a	100	5500	**15.84**	16.00	Yes
		116	5580	15.14	16.00	Yes
		120	5600	15.48	16.00	Yes
		140	5700	14.32	16.00	Yes
		144	5720	14.23	16.00	Yes
	802.11n(HT20)	100	5500	15.74	16.00	No
		116	5580	15.57	16.00	No
		140	5700	15.86	16.00	No
		144	5720	15.82	16.00	No
	802.11n(HT40)	102	5510	15.01	15.50	No
		118	5590	15.43	15.50	No
		134	5670	15.17	15.50	No
		142	5710	15.30	15.50	No
	802.11ac(VHT20)	100	5500	15.52	16.00	No
		116	5580	15.93	16.00	No
		140	5700	15.97	16.00	No
		144	5720	15.50	16.00	No
	802.11ac(VHT40)	102	5510	15.34	15.50	No
		118	5590	15.03	15.50	No
		134	5670	15.36	15.50	No
		142	5710	15.45	15.50	No
	802.11ac(VHT80)	106	5530	14.30	14.50	No
		122	5610	14.48	14.50	No
		138	5690	14.25	14.50	No
	802.11ax(HE20) (SU)	100	5500	14.84	15.00	No
		116	5580	14.60	15.00	No
		140	5700	14.56	15.00	No
		144	5720	14.59	15.00	No
	802.11ax(HE40) (SU)	102	5510	14.88	15.00	No
		118	5590	14.68	15.00	No
		134	5670	14.51	15.00	No
		142	5710	14.56	15.00	No
	802.11ax(HE80) (SU)	106	5530	14.31	14.50	No
		122	5610	14.08	14.50	No
		138	5690	14.40	14.50	No
5.8 (5.725~5.850)	802.11a	149	5745	15.60	16.00	No
		157	5785	15.66	16.00	No
		165	5825	15.02	16.00	No
	802.11n(HT20)	149	5745	15.53	16.00	No

		157	5785	15.99	16.00	No
		165	5825	15.75	16.00	No
	802.11n(HT40)	151	5755	15.43	15.50	No
		159	5795	15.23	15.50	No
	802.11ac(VHT20)	149	5745	15.63	16.00	No
		157	5785	15.83	16.00	No
		165	5825	15.51	16.00	No
	802.11ac(VHT40)	151	5755	15.48	15.50	No
		159	5795	15.26	15.50	No
	802.11ac(VHT80)	155	5775	14.08	14.50	No
	802.11ax(HE20) (SU)	149	5745	14.88	15.00	No
		157	5785	14.89	15.00	No
		165	5825	14.95	15.00	No
	802.11ax(HE40) (SU)	151	5755	14.60	15.00	No
		159	5795	14.88	15.00	No
	802.11ax(HE80) (SU)	155	5775	14.24	14.50	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

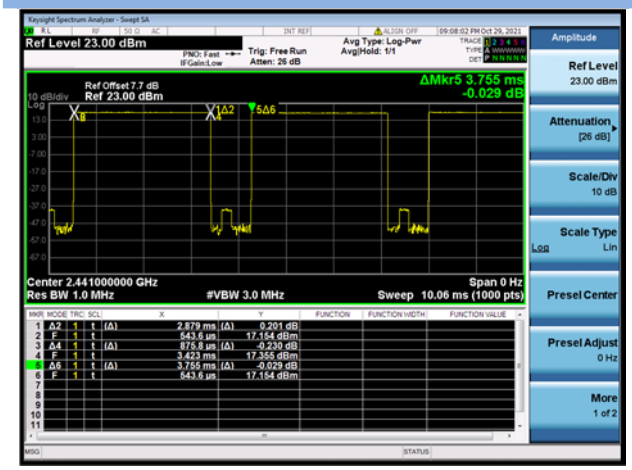
8.7 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	13.11	**13.19**	13.03	10.39	10.26	10.07
Tune-Up Limit (dBm)	15.00	15.00	15.00	12.00	12.00	12.00
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	10.33	10.24	10.06	/	/	/
Tune-Up Limit (dBm)	12.00	12.00	12.00	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	6.38	7.23	8.06	6.32	7.78	8.23
Tune-Up Limit (dBm)	8.00	9.00	10.00	8.00	9.00	10.00

Note: The Bluetooth duty cycle is 76.68 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle

GFSK



8.8 Power Reduction List

1. This mobile phone device supports the receiver detection mechanism. This device uses the receiver to indicate whether the user is making a call in head.
2. When device is making call in head, the power reduction will applied for SAR compliance.
3. This device uses the P-sensor to detect Body-worn, Hotspot and Specific state for Antenna0&1.
4. The power reduction state of the head is consistent with the power reduction of the body's P-Sensor trigger state

WWAN Antenna0 Reduced Power Level Table

Reduced level	Sensor state	Receiver state	Transmitting conditions	Position
Level 1	/	On (head scenario)	WWAN Use Only	/
Level 2	/	On (head scenario)	WWAN + WLAN 2.4G	/
Level 3	/	On (head scenario)	WWAN + WLAN 5G	/
Level 4	on	Off (Body scenario)	WWAN Use Only	Front/Back/Right/Bottom
Level 5	on	Off (Body scenario)	WWAN + WLAN 2.4G	Front/Back/Right/Bottom
Level 6	on	Off (Body scenario)	WWAN + WLAN 5G	Front/Back/Right/Bottom
Level 4	off	Off (Body scenario)	WWAN Use Only	/
Level 5	off	Off (Body scenario)	WWAN + WLAN 2.4G	/
Level 6	off	Off (Body scenario)	WWAN + WLAN 5G	/

WWAN Antenna1 Reduced Power Level Table

Reduced level	Sensor state	Receiver state	Transmitting conditions	Position
Level 1	/	On (head scenario)	WWAN Use Only	/
Level 2	/	On (head scenario)	WWAN + WLAN 2.4G	/
Level 3	/	On (head scenario)	WWAN + WLAN 5G	/
Level 4	on	Off (Body scenario)	WWAN Use Only	Front/Back/Right/Top
Level 5	on	Off (Body scenario)	WWAN + WLAN 2.4G	Front/Back/Right/Top
Level 6	on	Off (Body scenario)	WWAN + WLAN 5G	Front/Back/Right/Top
Level 4	off	Off (Body scenario)	WWAN Use Only	/
Level 5	off	Off (Body scenario)	WWAN + WLAN 2.4G	/
Level 6	off	Off (Body scenario)	WWAN + WLAN 5G	/

1. This mobile phone device supports the receiver detection mechanism. This device uses the receiver to indicate whether the user is making a call in head or body.
2. When there is a voice call (including VOIP) and the audio is actively routed through the earpiece receiver, which indicating the head exposure condition it will trigger the head exposure reduced the power.
3. When there is a voice call (including VOIP) of antenna3&4, and the audio is actively routed through the headset or speaker, which indicating the body exposure conditions will trigger the body exposure reduced the power.
4. When this device used data mode only of antenna3&4, and the receiver will not work too, the reduced the power are same as body exposure.

WWAN Antenna3&4 Reduced Power Level Table

Reduced level	Receiver state	Transmitting conditions	Position
Level 1	On (head scenario)	WWAN Use Only	/
Level 2	On (head scenario)	WWAN + WLAN 2.4G	/
Level 3	On (head scenario)	WWAN + WLAN 5G	/
Level 4	Off (Body scenario)	WWAN Use Only	Front/Back/Left/Right/Top/Bottom
Level 5	Off (Body scenario)	WWAN + WLAN 2.4G	Front/Back/Left/Right/Top/Bottom
Level 6	Off (Body scenario)	WWAN + WLAN 5G	Front/Back/Left/Right/Top/Bottom

WWAN Antenna Power Table

WWAN Antenna Power table										
Mode	Antenna	WWAN Antenna								
		Full Power	Receiver on		Receiver off					
			Head		Body-worn&Specific				Hotspot	
			Standalone	Simultaneous transmission +WLAN	Standalone		Simultaneous transmission +WLAN		Simultaneous transmission +WLAN	
		OFF	Level1	Level2&3	Level4 (ON)	Level4 (OFF)	Level5&6 (ON)	Level5&6 (OFF)	Level5&6 (ON)	Level5&6 (OFF)
GSM 850	Ant1	33.20	31.20	30.70	33.20	33.20	33.20	33.20	33.20	33.20
GPRS850 1 Tx Slot	Ant1	33.50	31.50	31.00	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	Ant1	31.00	29.00	28.50	31.00	31.00	31.00	31.00	31.00	31.00
GPRS850 3 Tx Slots	Ant1	28.70	26.70	26.20	28.70	28.70	28.70	28.70	28.70	28.70
GPRS850 4 Tx Slots	Ant1	28.00	26.00	25.50	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 1 Tx Slot	Ant1	27.50	25.50	25.00	27.50	27.50	27.50	27.50	27.50	27.50
EGPRS850 2 Tx Slots	Ant1	25.00	23.00	22.50	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS850 3 Tx Slots	Ant1	22.70	20.70	20.20	22.70	22.70	22.70	22.70	22.70	22.70
EGPRS850 4 Tx Slots	Ant1	22.00	20.00	19.50	22.00	22.00	22.00	22.00	22.00	22.00
GSM 850	Ant0	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant0	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	Ant0	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50
GPRS850 3 Tx Slots	Ant0	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70
GPRS850 4 Tx Slots	Ant0	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50
EGPRS850 1 Tx Slot	Ant0	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 2 Tx Slots	Ant0	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	Ant0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
EGPRS850 4 Tx Slots	Ant0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
GSM 1900	Ant1	30.20	24.20	23.20	28.70	30.20	28.20	30.20	28.20	30.20
GPRS1900 1 Tx Slot	Ant1	30.20	24.20	23.20	28.70	30.20	28.20	30.20	28.20	30.20
GPRS1900 2 Tx Slots	Ant1	27.20	22.20	21.20	26.70	27.20	26.20	27.20	26.20	27.20
GPRS1900 3 Tx Slots	Ant1	25.40	20.40	19.40	24.90	25.40	24.40	25.40	24.40	25.40
GPRS1900 4 Tx Slots	Ant1	24.70	18.70	17.70	23.20	24.70	22.70	24.70	22.70	24.70
EGPRS1900 1 Tx Slot	Ant1	25.70	19.70	18.70	24.20	25.70	23.70	25.70	23.70	25.70
EGPRS1900 2 Tx Slots	Ant1	24.20	18.20	17.20	22.70	24.20	22.20	24.20	22.20	24.20
EGPRS1900 3 Tx Slots	Ant1	21.90	15.90	14.90	20.40	21.90	19.90	21.90	19.90	21.90
EGPRS1900 4 Tx Slots	Ant1	21.20	15.20	14.20	19.70	21.20	19.20	21.20	19.20	21.20
GSM 1900	Ant0	30.50	30.50	30.50	30.00	30.50	29.50	30.50	29.50	30.50
GPRS1900 1 Tx Slot	Ant0	30.50	30.50	30.50	30.00	30.50	29.50	30.50	29.50	30.50
GPRS1900 2 Tx Slots	Ant0	28.50	28.50	28.50	28.00	28.50	27.50	28.50	27.50	28.50
GPRS1900 3 Tx Slots	Ant0	26.70	26.70	26.70	26.70	26.70	26.70	26.70	26.70	26.70

GPRS1900 4 Tx Slots	Ant0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS1900 1 Tx Slot	Ant0	26.00	26.00	26.00	25.50	26.00	25.00	26.00	25.00	26.00
EGPRS1900 2 Tx Slots	Ant0	25.00	25.00	25.00	24.50	25.00	24.00	25.00	24.00	25.00
EGPRS1900 3 Tx Slots	Ant0	23.00	23.00	23.00	22.50	23.00	22.00	23.00	22.00	23.00
EGPRS1900 4 Tx Slots	Ant0	22.50	22.50	22.50	22.00	22.50	21.50	22.50	21.50	22.50
WCDMA Band2 AMR	Ant1	24.20	17.20	16.20	21.70	24.20	20.70	24.20	20.70	24.20
WCDMA Band2 RMC	Ant1	24.20	17.20	16.20	21.70	24.20	20.70	24.20	20.70	24.20
HSDPA Subtest-1	Ant1	22.70	16.20	15.20	20.20	22.70	19.20	22.70	19.20	22.70
HSDPA Subtest-2	Ant1	22.70	16.20	15.20	20.20	22.70	19.20	22.70	19.20	22.70
HSDPA Subtest-3	Ant1	22.20	15.70	14.70	19.70	22.20	18.70	22.20	18.70	22.20
HSDPA Subtest-4	Ant1	22.20	15.70	14.70	19.70	22.20	18.70	22.20	18.70	22.20
HSUPA Subtest-1	Ant1	20.70	14.70	13.70	18.20	20.70	17.20	20.70	17.20	20.70
HSUPA Subtest-2	Ant1	21.70	13.70	12.70	17.20	21.70	18.20	21.70	18.20	21.70
HSUPA Subtest-3	Ant1	20.70	14.20	13.20	18.20	20.70	17.20	20.70	17.20	20.70
HSUPA Subtest-4	Ant1	21.70	14.20	13.20	19.20	21.70	18.20	21.70	18.20	21.70
HSUPA Subtest-5	Ant1	22.70	16.20	15.20	20.20	22.70	19.20	22.70	19.20	22.70
HSPA+	Ant1	21.70	14.20	13.20	19.20	21.70	18.20	21.70	18.20	21.70
WCDMA Band2 AMR	Ant0	24.50	24.50	24.50	22.00	24.50	21.50	24.50	21.50	24.50
WCDMA Band2 RMC	Ant0	24.50	24.50	24.50	22.00	24.50	21.50	24.50	21.50	24.50
HSDPA Subtest-1	Ant0	23.50	23.50	23.50	21.00	23.50	20.50	23.50	20.50	23.50
HSDPA Subtest-2	Ant0	23.50	23.50	23.50	21.00	23.50	20.50	23.50	20.50	23.50
HSDPA Subtest-3	Ant0	23.00	23.00	23.00	20.50	23.00	20.00	23.00	20.00	23.00
HSDPA Subtest-4	Ant0	23.00	23.00	23.00	20.50	23.00	20.00	23.00	20.00	23.00
HSUPA Subtest-1	Ant0	21.50	21.50	21.50	19.00	21.50	18.50	21.50	18.50	21.50
HSUPA Subtest-2	Ant0	20.50	20.50	20.50	18.00	20.50	18.50	20.50	18.50	20.50
HSUPA Subtest-3	Ant0	21.00	21.00	21.00	18.50	21.00	18.00	21.00	18.00	21.00
HSUPA Subtest-4	Ant0	21.00	21.00	21.00	18.50	21.00	18.00	21.00	18.00	21.00
HSUPA Subtest-5	Ant0	23.00	23.00	23.00	20.50	23.00	20.00	23.00	20.00	23.00
HSPA+	Ant0	21.00	21.00	21.00	18.50	21.00	18.00	21.00	18.00	21.00
WCDMA Band4 AMR	Ant1	24.20	17.20	16.20	21.20	24.20	20.70	24.20	20.70	24.20
WCDMA Band4 RMC	Ant1	24.20	17.20	16.20	21.20	24.20	20.70	24.20	20.70	24.20
HSDPA Subtest-1	Ant1	23.70	16.20	15.20	20.70	23.70	19.20	23.70	19.20	23.70
HSDPA Subtest-2	Ant1	23.70	16.20	15.20	20.70	23.70	19.20	23.70	19.20	23.70
HSDPA Subtest-3	Ant1	23.20	15.70	14.70	20.20	23.20	18.70	23.20	18.70	23.20
HSDPA Subtest-4	Ant1	23.20	15.70	14.70	20.20	23.20	18.70	23.20	18.70	23.20
HSUPA Subtest-1	Ant1	21.70	14.70	13.70	18.70	21.70	17.20	21.70	17.20	21.70
HSUPA Subtest-2	Ant1	22.20	13.70	12.70	19.20	22.20	18.20	22.20	18.20	22.20
HSUPA Subtest-3	Ant1	21.20	14.20	13.20	18.20	21.20	17.20	21.20	17.20	21.20
HSUPA Subtest-4	Ant1	22.20	14.20	13.20	19.20	22.20	18.20	22.20	18.20	22.20
HSUPA Subtest-5	Ant1	23.20	16.20	15.20	20.20	23.20	19.20	23.20	19.20	23.20
HSPA+	Ant1	22.20	14.20	13.20	19.20	22.20	18.20	22.20	18.20	22.20
WCDMA Band4 AMR	Ant0	24.50	24.50	24.50	21.50	24.50	21.00	24.50	21.00	24.50
WCDMA Band4 RMC	Ant0	24.50	24.50	24.50	21.50	24.50	21.00	24.50	21.00	24.50

HSDPA Subtest-1	Ant0	23.50	23.50	23.50	20.50	23.50	20.00	23.50	20.00	23.50
HSDPA Subtest-2	Ant0	23.50	23.50	23.50	20.50	23.50	20.00	23.50	20.00	23.50
HSDPA Subtest-3	Ant0	23.00	23.00	23.00	20.00	23.00	19.50	23.00	19.50	23.00
HSDPA Subtest-4	Ant0	23.00	23.00	23.00	20.00	23.00	19.50	23.00	19.50	23.00
HSUPA Subtest-1	Ant0	21.50	21.50	21.50	18.50	21.50	18.00	21.50	18.00	21.50
HSUPA Subtest-2	Ant0	20.50	20.50	20.50	17.50	20.50	18.50	20.50	18.50	20.50
HSUPA Subtest-3	Ant0	21.00	21.00	21.00	18.00	21.00	17.50	21.00	17.50	21.00
HSUPA Subtest-4	Ant0	21.00	21.00	21.00	18.00	21.00	17.50	21.00	17.50	21.00
HSUPA Subtest-5	Ant0	23.00	23.00	23.00	20.00	23.00	19.50	23.00	19.50	23.00
HSPA+	Ant0	21.00	21.00	21.00	18.00	21.00	17.50	21.00	17.50	21.00
WCDMA Band5 AMR	Ant1	24.50	24.00	23.00	24.50	24.50	24.50	24.50	24.50	24.50
WCDMA Band5 RMC	Ant1	24.50	24.00	23.00	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-1	Ant1	23.50	23.00	22.00	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-2	Ant1	23.50	23.00	22.00	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-3	Ant1	23.00	22.50	21.50	23.00	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-4	Ant1	23.00	22.50	21.50	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-1	Ant1	22.00	21.50	20.50	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-2	Ant1	22.00	21.50	20.50	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-3	Ant1	23.00	21.50	21.50	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-4	Ant1	21.50	21.00	20.00	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-5	Ant1	23.00	22.50	21.50	23.00	23.00	23.00	23.00	23.00	23.00
HSPA+	Ant1	21.50	21.00	20.00	21.50	21.50	21.50	21.50	21.50	21.50
WCDMA Band5 AMR	Ant0	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80
WCDMA Band5 RMC	Ant0	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80
HSDPA Subtest-1	Ant0	23.80	23.80	23.80	23.80	23.80	23.80	23.80	23.80	23.80
HSDPA Subtest-2	Ant0	23.80	23.80	23.80	23.80	23.80	23.80	23.80	23.80	23.80
HSDPA Subtest-3	Ant0	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30
HSDPA Subtest-4	Ant0	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30
HSUPA Subtest-1	Ant0	22.80	22.80	22.80	22.80	22.80	22.80	22.80	22.80	22.80
HSUPA Subtest-2	Ant0	22.30	22.30	22.30	22.30	22.30	22.30	22.30	22.30	22.30
HSUPA Subtest-3	Ant0	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30
HSUPA Subtest-4	Ant0	21.80	21.80	21.80	21.80	21.80	21.80	21.80	21.80	21.80
HSUPA Subtest-5	Ant0	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30
HSPA+	Ant0	21.80	21.80	21.80	21.80	21.80	21.80	21.80	21.80	21.80
LTE Band2	Ant1	23.70	17.20	16.20	20.70	23.70	20.20	23.70	20.20	23.70
LTE Band2	Ant0	24.00	24.00	24.00	21.50	24.00	21.00	24.00	21.00	24.00
LTE Band4	Ant1	24.20	17.20	16.20	21.20	24.20	20.70	24.20	20.70	24.20
LTE Band4	Ant0	24.50	24.50	24.50	22.00	24.50	21.50	24.50	21.50	24.50
LTE Band5	Ant1	24.50	23.50	22.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band5	Ant0	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band7	Ant1	23.70	18.20	17.20	22.70	23.70	22.20	23.70	22.20	23.70
LTE Band7	Ant0	24.00	24.00	24.00	23.00	24.00	22.50	24.00	22.50	24.00
LTE Band12	Ant1	24.50	24.50	24.00	24.50	24.50	24.50	24.50	24.50	24.50

LTE Band12	Ant0	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band17	Ant1	24.50	24.50	24.00	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band17	Ant0	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band26	Ant1	24.50	24.00	23.00	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band26	Ant0	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band66	Ant1	24.20	17.20	16.20	21.20	24.20	20.70	24.20	20.70	24.20
LTE Band66	Ant0	24.50	24.50	24.50	22.00	24.50	21.50	24.50	21.50	24.50
LTE Band38	Ant1	24.20	19.70	18.70	24.20	24.20	24.20	24.20	24.20	24.20
LTE Band38	Ant0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band41	Ant1	24.20	19.70	18.70	24.20	24.20	24.20	24.20	24.20	24.20
LTE Band41	Ant0	24.50	24.50	24.50	24.5	24.50	24.50	24.5	24.50	24.5
N5	Ant1	24.70	22.70	22.20	24.70	24.70	24.70	24.70	24.70	24.70
N5	Ant0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
N7	Ant1	23.90	17.40	16.90	23.90	23.90	23.90	23.90	23.90	23.90
N7	Ant0	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
N38	Ant1	24.40	17.40	16.90	24.40	24.40	24.40	24.40	24.40	24.40
N38	Ant0	24.70	24.70	24.70	24.70	24.70	23.70	24.70	23.70	24.70
N41	Ant1	24.40	17.40	16.90	20.90	24.40	19.90	24.40	19.90	24.40
N41	Ant0	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70

ENDC Antenna Power Table

Mode	Band	Antenna	ENDC Antenna								
			Full Power	Receiver on		Receiver off					
				Head		Body-worn&Specific				Hotspot	
				Standalone	Simultaneous transmission	Standalone		Simultaneous transmission		Simultaneous transmission	
					+WLAN			+WLAN		+WLAN	
			OFF	Level1	Level2 &3	Level4 (ON)	Level4 (OFF)	Level5 &6 (ON)	Level5 &6 (OFF)	Level5 &6 (ON)	Level5 &6 (OFF)
DC_7A_n5A	n5	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
	LTE Band7	Ant.4	22.00	19.00	18.50	22.00	22.00	21.00	21.00	21.00	21.00
DC_7A_n5A	n5	Ant.1	24.70	20.70	20.20	24.70	24.70	24.70	24.70	24.70	24.70
	LTE Band7	Ant.4	22.00	19.00	18.50	22.00	22.00	21.00	21.00	21.00	21.00
DC_7A_n5A	n5	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
	LTE Band7	Ant.1	23.20	15.70	15.20	23.20	23.20	22.20	23.20	22.20	23.20
DC_7A_n5A	n5	Ant.1	24.70	20.70	20.20	24.70	24.70	24.70	24.70	24.70	24.70
	LTE Band7	Ant.1	23.20	15.70	15.20	23.20	23.20	22.20	23.20	22.20	23.20
DC_5A_n7A	n7	Ant.4	19.20	18.20	17.70	19.20	19.20	18.70	18.70	18.70	18.70
	LTE Band5	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
DC_5A_n7A	n7	Ant.1	23.40	15.90	15.40	22.40	23.40	20.90	23.40	20.90	23.40
	LTE Band5	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
DC_5A_n7A	n7	Ant.4	19.20	18.20	17.70	19.20	19.20	18.70	18.70	18.70	18.70
	LTE Band5	Ant.1	24.20	20.70	19.70	24.20	24.20	24.20	24.20	24.20	24.20
DC_5A_n7A	n7	Ant.1	23.40	15.90	15.40	22.40	23.40	20.90	23.40	20.90	23.40
	LTE Band5	Ant.1	24.20	20.70	19.70	24.20	24.20	24.20	24.20	24.20	24.20
DC_66A_n7A	n7	Ant.4	19.20	18.20	17.70	19.20	19.20	18.70	18.70	18.70	18.70
	LTE Band66	Ant.0	24.50	24.50	24.50	21.50	24.50	21.00	24.50	21.00	24.50
DC_66A_n7A	n7	Ant.4	19.20	18.20	17.70	19.20	19.20	18.70	18.70	18.70	18.70
	LTE Band66	Ant.3	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
DC_66A_n7A	n7	Ant.1	23.40	15.90	15.40	22.40	23.40	20.90	23.40	20.90	23.40
	LTE Band66	Ant.0	24.50	24.50	24.50	21.50	24.50	21.00	24.50	21.00	24.50
DC_66A_n7A	n7	Ant.1	23.40	15.90	15.40	22.40	23.40	20.90	23.40	20.90	23.40
	LTE Band66	Ant.3	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
DC_66A_n66A	n66	Ant.4	24.70	24.70	24.70	23.70	23.70	23.20	23.20	23.20	23.20
	LTE Band66	Ant.0	24.50	24.50	24.50	21.50	24.50	21.00	24.50	21.00	24.50
DC_66A_n66A	n66	Ant.4	24.70	24.70	24.70	23.70	23.70	23.20	23.20	23.20	23.20
	LTE Band66	Ant.3	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
DC_66A_n66A	n66	Ant.1	23.90	15.90	15.40	20.90	23.90	20.40	22.90	20.40	22.90
	LTE Band66	Ant.0	24.50	24.50	24.50	21.50	24.50	21.00	24.50	21.00	24.50
DC_66A_n66A	n66	Ant.1	23.90	15.90	15.40	20.90	23.90	20.40	22.90	20.40	22.90

	LTE Band66	Ant.3	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
DC_7A_n66A	n66	Ant.4	24.70	24.70	24.70	23.70	23.70	23.20	23.20	23.20	23.20
	LTE Band7	Ant.0	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
DC_7A_n66A	n66	Ant.4	24.70	24.70	24.70	23.70	23.70	23.20	23.20	23.20	23.20
	LTE Band7	Ant.3	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
DC_7A_n66A	n66	Ant.1	23.90	15.90	15.40	20.90	23.90	20.40	22.90	20.40	22.90
	LTE Band7	Ant.0	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
DC_7A_n66A	n66	Ant.1	23.90	15.90	15.40	20.90	23.90	20.40	22.90	20.40	22.90
	LTE Band7	Ant.3	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
DC_7A_n7A	n7	Ant.4	19.20	18.20	17.70	19.20	19.20	18.70	18.70	18.70	18.70
	LTE Band7	Ant.0	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
DC_7A_n7A	n7	Ant.4	19.20	18.20	17.70	19.20	19.20	18.70	18.70	18.70	18.70
	LTE Band7	Ant.3	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
DC_7A_n7A	n7	Ant.1	23.40	15.90	15.40	22.40	23.40	20.90	23.40	20.90	23.40
	LTE Band7	Ant.0	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
DC_7A_n7A	n7	Ant.1	23.40	15.90	15.40	22.40	23.40	20.90	23.40	20.90	23.40
	LTE Band7	Ant.3	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00

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. This device uses the P-sensor to detect Body-worn,Hotspot and Specific state for Antenna7.
4. The power reduction state of the head is consistent with the power reduction of the body's P-Sensor trigger state

WLAN Antenna7 Reduced Power Level Table

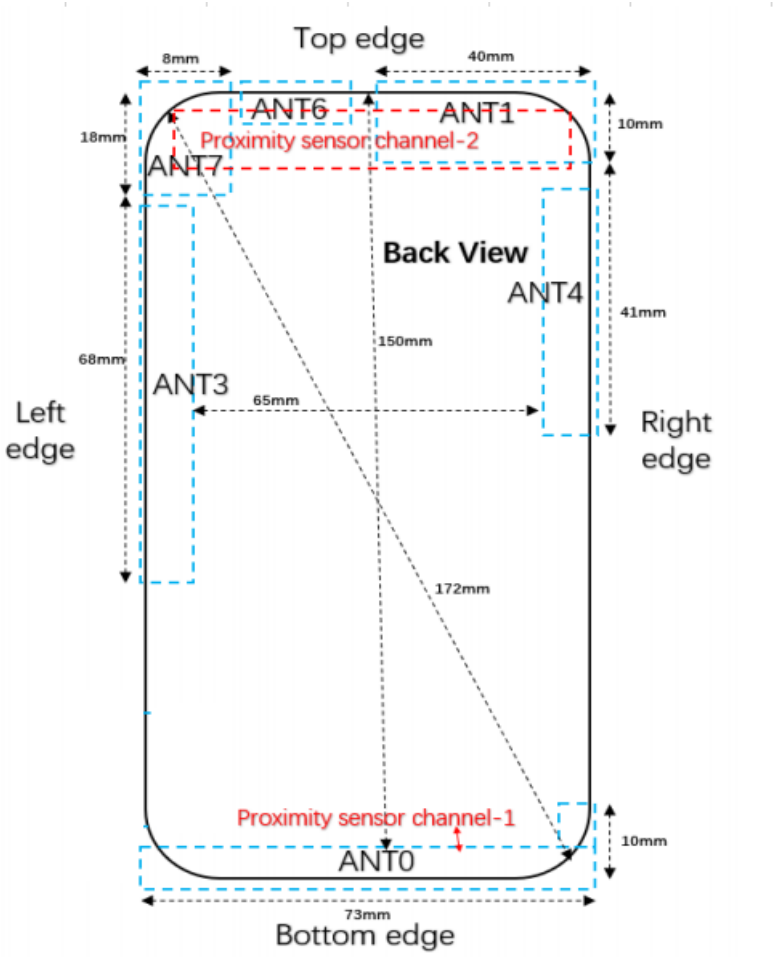
Reduced level	Sensor state	Receiver state	Transmitting conditions	Position
Level 1	/	On (head scenario)	WLAN Use Only	/
Level 2	/	On (head scenario)	WLAN + WWAN	/
Level 3	on	Off (Body scenario)	WLAN Use Only	Front/Back/Left/Top
Level 4	on	Off (Body scenario)	WLAN + WWAN	Front/Back/Left/Top
Level 3	off	Off (Body scenario)	WLAN Use Only	/
Level 4	off	Off (Body scenario)	WLAN + WWAN	/

WLAN Antenna Power Table

Mode	WLAN Antenna							
	Full Power	Receiver on		Receiver off				
		Head		Body-worn&Specific				Hotspot
		Standalone	Simultaneous transmission	Standalone		Simultaneous transmission	Simultaneous transmission	Simultaneous transmission
			WWAN + WLAN			WWAN + WLAN	WWAN + WLAN	WWAN + WLAN
	OFF	Level1	Level2	Level3 (ON)	Level3 (OFF)	Level4 (ON)	Level4 (OFF)	Level4 (OFF)
2.4G WLAN 802.11b	17.00	17.00	14.00	17.00	17.00	17.00	17.00	17.00
2.4G WLAN 802.11g	18.00	18.00	15.00	18.00	18.00	18.00	18.00	18.00
2.4G WLAN 802.11n20	18.00	18.00	15.00	18.00	18.00	18.00	18.00	18.00
2.4G WLAN 802.11n40	18.00	18.00	15.00	18.00	18.00	18.00	18.00	18.00
2.4G WLAN 802.11ac20	18.00	18.00	15.00	18.00	18.00	18.00	18.00	18.00
2.4G WLAN 802.11ac40	18.00	18.00	15.00	18.00	18.00	18.00	18.00	18.00
2.4G WLAN 802.11ax20	18.00	18.00	15.00	18.00	18.00	18.00	18.00	18.00
2.4G WLAN 802.11ax40	18.00	18.00	15.00	18.00	18.00	18.00	18.00	18.00
5.2&5.3G WLAN 802.11a	19.50	15.00	10.00	19.50	19.50	16.00	16.00	16.00
5.2&5.3G WLAN 802.11n20	19.50	15.00	10.00	19.50	19.50	16.00	16.00	16.00
5.2&5.3G WLAN 802.11n40	19.00	13.50	9.50	19.00	19.00	15.50	15.50	15.50
5.2&5.3G WLAN 802.11ac20	19.50	15.00	10.00	19.50	19.50	16.00	16.00	16.00
5.2&5.3G WLAN 802.11ac40	19.00	14.50	9.50	19.00	19.00	15.50	15.50	15.50
5.2&5.3G WLAN 802.11ac80	18.00	13.50	8.50	18.00	18.00	14.50	14.50	14.50
5.2&5.3G WLAN 802.11ax20	18.50	14.00	9.00	18.50	18.50	15.00	15.00	15.00
5.2&5.3G WLAN 802.11ax40	18.50	14.00	9.00	18.50	18.50	15.00	15.00	15.00
5.2&5.3G WLAN 802.11ax80	18.00	13.50	8.50	18.00	18.00	14.50	14.50	14.50
5.6G WLAN 802.11a	19.50	15.00	10.00	19.50	19.50	16.00	16.00	16.00
5.6G WLAN 802.11n20	19.50	15.00	10.00	19.50	19.50	16.00	16.00	16.00
5.6G WLAN 802.11n40	19.00	13.50	9.50	19.00	19.00	15.50	15.50	15.50
5.6G WLAN 802.11ac20	19.50	15.00	10.00	19.50	19.50	16.00	16.00	16.00
5.6G WLAN 802.11ac40	19.00	14.50	9.50	19.00	19.00	15.50	15.50	15.50
5.6G WLAN 802.11ac80	18.00	13.50	8.50	18.00	18.00	14.50	14.50	14.50
5.6G WLAN 802.11ax20	18.50	14.00	9.00	18.50	18.50	15.00	15.00	15.00
5.6G WLAN 802.11ax40	18.50	14.00	9.00	18.50	18.50	15.00	15.00	15.00
5.6G WLAN 802.11ax80	18.00	13.50	8.50	18.00	18.00	14.50	14.50	14.50
5.8G WLAN 802.11a	19.50	15.00	10.00	19.50	19.50	16.00	16.00	16.00
5.8G WLAN 802.11n20	19.50	15.00	10.00	19.50	19.50	16.00	16.00	16.00
5.8G WLAN 802.11n40	19.00	13.50	9.50	19.00	19.00	15.50	15.50	15.50
5.8G WLAN 802.11ac20	19.50	15.00	10.00	19.50	19.50	16.00	16.00	16.00
5.8G WLAN 802.11ac40	19.00	14.50	9.50	19.00	19.00	15.50	15.50	15.50

5.8G LAN 802.11ac80	18.00	13.50	8.50	18.00	18.00	14.50	14.50	14.50
5.8G WLAN 802.11ax20	18.50	14.00	9.00	18.50	18.50	15.00	15.00	15.00
5.8G WLAN 802.11ax40	18.50	14.00	9.00	18.50	18.50	15.00	15.00	15.00
5.8G LAN 802.11ax80	18.00	13.50	8.50	18.00	18.00	14.50	14.50	14.50
Bluetooth	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

9 TEST EXCLUSION CONSIDERATION



Antenna	Support Bands
ANT0	GSM850/1900
	WCDMA B2/4/5
	LTE B2/4/5/7/12/26/38/41/66
	n5/7/38/41
ANT1	GSM850/1900
	WCDMA B2/4/5
	LTE B2/4/5/7/12/26/38/41/66
	n5/7/38/41/66
ANT3	LTE B7/66
ANT4	LTE B7
	n7/66
ANT7	WLAN2.4G/WLAN5G/BT

Antenna	Front Side (mm)	Back Side (mm)	Left Edge (mm)	Right Edge (mm)	Top Edge (mm)	Bottom Edge (mm)
ANT0	<5mm	<5mm	<5mm	<5mm	145mm	<5mm
ANT1	<5mm	<5mm	36mm	<5mm	<5mm	145mm
ANT3	<5mm	<5mm	<5mm	70mm	20mm	70mm
ANT4	<5mm	<5mm	70mm	<5mm	20mm	104mm
ANT7	<5mm	<5mm	<5mm	67mm	<5mm	137mm

9.1 SAR Test Exclusion Consideration Table

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

ANT0

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	Data	33.50	2238.72	Yes	Yes	Yes	Yes	No	Yes
GSM 1900	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	Data	30.50	1122.02	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	RMC	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 7	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 12	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 26	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 38	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 41	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 66	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
n5	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	DFT-s-OFDM QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
n7	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	Yes	No	Yes
n38	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	DFT-s-OFDM	24.70	295.12	Yes	Yes	Yes	Yes	No	Yes

	QPSK								
n41	Distance to User			<5mm	<5mm	<5mm	<5mm	145mm	<5mm
	DFT-s-OFDM QPSK	24.70	295.12	Yes	Yes	Yes	Yes	No	Yes

ANT1

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	Data	33.20	2089.30	Yes	Yes	No	Yes	Yes	No
GSM 1900	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	Data	30.20	1047.13	Yes	Yes	No	Yes	Yes	No
WCDMA Band 2	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	RMC	24.20	263.03	Yes	Yes	No	Yes	Yes	No
WCDMA Band 4	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	RMC	24.20	263.03	Yes	Yes	No	Yes	Yes	No
WCDMA Band 5	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	RMC	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 2	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	QPSK	23.70	234.42	Yes	Yes	No	Yes	Yes	No
LTE Band 4	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	QPSK	24.20	263.03	Yes	Yes	No	Yes	Yes	No
LTE Band 5	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 7	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	QPSK	23.70	234.42	Yes	Yes	No	Yes	Yes	No
LTE Band 12	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 26	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 38	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	QPSK	24.20	263.03	Yes	Yes	No	Yes	Yes	No
LTE Band 41	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	QPSK	24.20	263.03	Yes	Yes	No	Yes	Yes	No
LTE Band 66	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	QPSK	24.20	263.03	Yes	Yes	No	Yes	Yes	No
n5	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	DFT-s-OFDM QPSK	24.70	295.12	Yes	Yes	No	Yes	Yes	No
n7	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	DFT-s-OFDM QPSK	23.90	245.47	Yes	Yes	No	Yes	Yes	No
n38	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm

	DFT-s-OFDM QPSK	24.40	275.42	Yes	Yes	No	Yes	Yes	No
n41	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	DFT-s-OFDM QPSK	24.40	275.42	Yes	Yes	No	Yes	Yes	No
n66	Distance to User			<5mm	<5mm	36mm	<5mm	<5mm	145mm
	DFT-s-OFDM QPSK	23.90	245.47	Yes	Yes	No	Yes	Yes	No

ANT3

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
LTE Band 7	Distance to User			<5mm	<5mm	<5mm	70mm	20mm	70mm
	QPSK	22.00	158.49	Yes	Yes	Yes	No	Yes	No
LTE Band 66	Distance to User			<5mm	<5mm	<5mm	70mm	20mm	70mm
	QPSK	22.50	177.83	Yes	Yes	Yes	No	Yes	No

ANT4

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
LTE Band 7	Distance to User			<5mm	<5mm	70mm	<5mm	20mm	104mm
	QPSK	19.00	79.43	Yes	Yes	No	Yes	Yes	No
n7	Distance to User			<5mm	<5mm	70mm	<5mm	20mm	104mm
	DFT-s-OFDM QPSK	24.20	295.12	Yes	Yes	No	Yes	Yes	No
n66	Distance to User			<5mm	<5mm	70mm	<5mm	20mm	104mm
	DFT-s-OFDM QPSK	24.70	295.12	Yes	Yes	No	Yes	Yes	No

ANT7

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 2.4 G	Distance to User			<5mm	<5mm	<5mm	67mm	<5mm	137mm
	802.11b	17.00	50.12	Yes	Yes	Yes	Yes	Yes	Yes
	802.11g	18.00	63.10	No	No	No	No	No	No
	802.11n(HT20)	18.00	63.10	No	No	No	No	No	No
	802.11n(HT40)	18.00	63.10	No	No	No	No	No	No
	802.11VHT20	18.00	63.10	No	No	No	No	No	No
	802.11VHT40	18.00	63.10	No	No	No	No	No	No
	802.11ax(HE20)	18.00	63.10	No	No	No	No	No	No
	802.11ax(HE40)	18.00	63.10	No	No	No	No	No	No
WLAN 5.2 G	Distance to User			<5mm	<5mm	<5mm	67mm	<5mm	137mm
	802.11a	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT80)	18.00	63.10	No	No	No	No	No	No
	802.11ax(HE20)	18.50	70.79	No	No	No	No	No	No
	802.11ax(HE40)	18.50	70.79	No	No	No	No	No	No
	802.11ax(HE80)	18.00	63.10	No	No	No	No	No	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	67mm	<5mm	137mm
	802.11a	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT20)	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT40)	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT40)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	18.50	70.79	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE40)	18.50	70.79	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	67mm	<5mm	137mm
	802.11a	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT20)	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT40)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT40)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	18.50	70.79	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE40)	18.50	70.79	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes

WLAN 5.8 G	Distance to User			<5mm	<5mm	<5mm	67mm	<5mm	137mm
	802.11a	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT80)	18.00	63.10	No	No	No	No	No	No
	802.11ax(HE20)	18.50	70.79	No	No	No	No	No	No
	802.11ax(HE40)	18.50	70.79	No	No	No	No	No	No
	802.11ax(HE80)	18.00	63.10	No	No	No	No	No	No
Bluetooth	Distance to User			<5mm	<5mm	<5mm	67mm	<5mm	137mm
	BR+EDR	15.00	31.62	Yes	Yes	Yes	Yes	Yes	Yes
	BLE	10.00	10.00	No	No	No	No	No	No

Note:

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

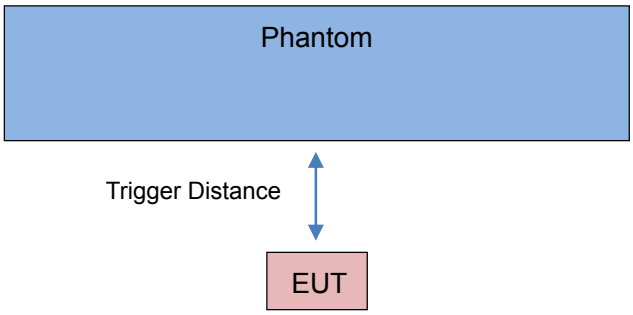
   This formula is [3.0] / [√f(GHz)] ·[(min. test separation distance, mm)] = exclusion threshold of mW.
5. Per KDB 447498 D01, at 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following
   a. [Threshold at 50 mm in step 1) +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

10 PROXIMITY SENSOR TRIGGERING TEST

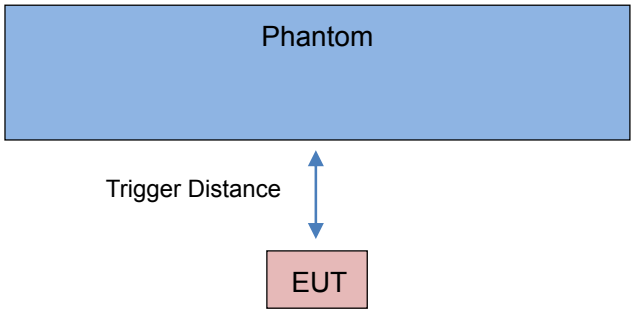
10.1 Procedures for determining proximity sensor distance

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

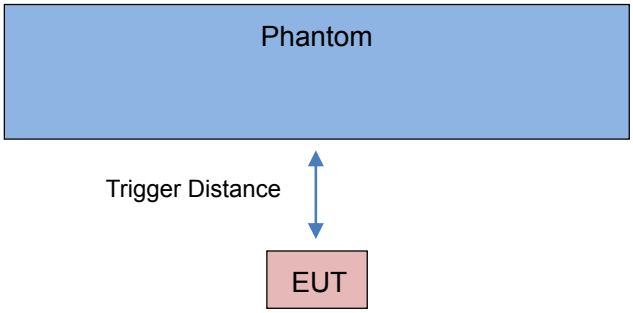


Distance in mm	11	12	13	14	14.5	15	15.5	16	17
Front Side	On	On	On	On	Off	Off	Off	Off	Off
Back Side	On	On	Off	Off	Off	Off	Off	Off	Off
Bootom Edge	On	On	On	On	On	On	On	Off	Off
Note: Power reduction is only applicable for ANT0									

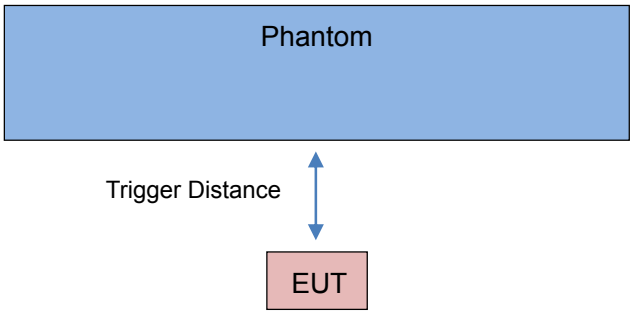


Distance in mm	4	5	6	7	8	9	10	11	12
Right Edge	On	On	On	Off	Off	Off	Off	Off	Off
Note: Power reduction is only applicable for ANT0									

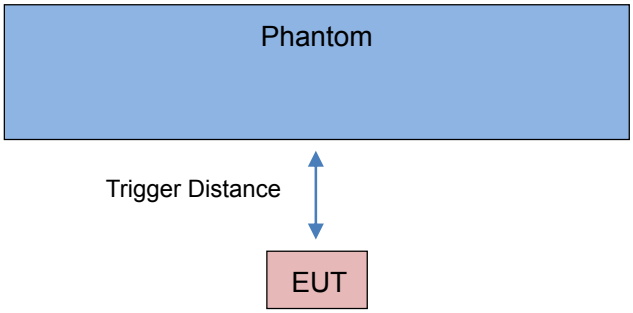
10.1.2 proximity sensor channel-2



Distance in mm	8	9	10	11	12	13	14	15	16
Front Side	On	On	Off	Off	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	On	Off
Top Edge	On	On	On	On	On	On	On	Off	Off
Note: Power reduction is only applicable for Ant1.									



Distance in mm	2	3	4	5	6	7	8	9	10
Right Edge	On	On	On	On	On	Off	Off	Off	Off
Note: Power reduction is only applicable for Ant1.									



Distance in mm	2	3	4	5	6	7	8	9	10
Front Side	On	On	On	On	On	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	Off	Off
Top Edge	On	On	On	On	On	Off	Off	Off	Off
Left Edge	On	On	On	On	On	Off	Off	Off	Off
Note: Power reduction is only applicable for Ant7.									

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”

Ant0 of proximity sensor channel-1

EUT Sides	Additional SAR test Distance in mm
Front Side	13
Back Side	11
Right Edge	5
Bottom Edge	14.5

Ant1 of proximity sensor channel-2

EUT Sides	Additional SAR test Distance in mm
Front Side	8
Back Side	14
Right Edge	5
Top Edge	13

Ant7 of proximity sensor channel-2

EUT Sides	Additional SAR test Distance in mm
Front Side	5
Back Side	7
Left Edge	5
Top Edge	5

10.2 Procedures for determining EUT 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 0, perpendicular to the flat phantom, at 14 mm separation for the front side, 12 mm separation for the back side, 6 mm separation for the right edge and 15.5 mm separation for the 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 9 mm separation for the front side, 15 mm separation for the back side, 6 mm separation for the right edge and 14 mm separation for the top 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 7, perpendicular to the flat phantom, at 6 mm separation for the front side, 8 mm separation for the back side, 6 mm separation for the left edge and 6 mm separation for the top edge.

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

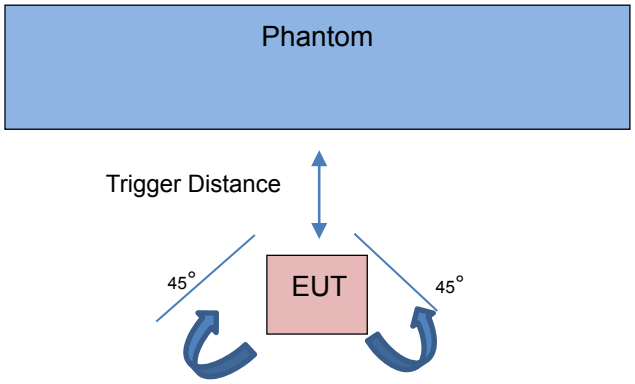


Table: Summary of Phone Tilt Angle Influence to Proximity Sensor Triggering(Left/Right/Top edge)

Antenna	Posltion	Minimum trigger distance at which power reduction was maintained over ±45°	Power Reduction Status										
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
ANT0	Right edge	6mm	on	on	on	on	on	on	on	on	on	on	on
ANT0	Bottom edge	15.5mm	on	on	on	on	on	on	on	on	on	on	on
ANT1	Right edge	6mm	on	on	on	on	on	on	on	on	on	on	on
ANT1	Top edge	14mm	on	on	on	on	on	on	on	on	on	on	on
ANT7	Left edge	6mm	on	on	on	on	on	on	on	on	on	on	on
ANT7	Top edge	6mm	on	on	on	on	on	on	on	on	on	on	on

11 TEST RESULT

11.1 GSM 850

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	Level1	N/A	GPRS (2slots)	Left Cheek	0	190	836.6	0.11	0.590	28.75	29.00	1.059	0.625	/
	Level1	N/A		Left Tilt	0	190	836.6	-0.03	0.551	28.75	29.00	1.059	0.584	/
	Level1	N/A		Right Cheek	0	190	836.6	0.00	0.696	28.75	29.00	1.059	**0.737**	1#
	Level1	N/A		Right Tilt	0	190	836.6	0.12	0.663	28.75	29.00	1.059	0.702	/
Ant.1	Level2&3	N/A	GPRS (2slots)	Left Cheek	0	190	836.6	0.12	0.541	28.38	28.50	1.029	0.557	/
	Level2&3	N/A		Left Tilt	0	190	836.6	0.00	0.462	28.38	28.50	1.029	0.475	/
	Level2&3	N/A		Right Cheek	0	190	836.6	0.14	0.678	28.38	28.50	1.029	0.698	/
	Level2&3	N/A		Right Tilt	0	190	836.6	0.04	0.590	28.38	28.50	1.029	0.607	/
Ant.0	Level1&2&3	N/A	GPRS (2slots)	Left Cheek	0	190	836.6	0.13	0.154	30.89	31.50	1.151	0.177	/
	Level1&2&3	N/A		Left Tilt	0	190	836.6	0.19	0.072	30.89	31.50	1.151	0.083	/
	Level1&2&3	N/A		Right Cheek	0	190	836.6	0.19	0.102	30.89	31.50	1.151	0.117	/
	Level1&2&3	N/A		Right Tilt	0	190	836.6	-0.19	0.058	30.89	31.50	1.151	0.067	/
Body-worn Accessory														
Ant.1	Level4	OFF	GPRS (2slots)	Front Side	15	190	836.6	-0.07	0.212	30.85	31.00	1.035	0.220	/
	Level4	ON2		Back Side	15	190	836.6	-0.03	0.243	30.85	31.00	1.035	**0.252**	2#
Ant.0	Level4	OFF	GPRS (2slots)	Front Side	15	190	836.6	0.01	0.129	30.89	31.50	1.151	0.148	/
	Level4	OFF		Back Side	15	190	836.6	0.10	0.161	30.89	31.50	1.151	0.185	/
Hotspot														
Ant.1	Level5&6	OFF	GPRS (2slots)	Front Side	10	190	836.6	0.02	0.234	30.85	31.00	1.035	0.242	/
	Level5&6	ON2		Back Side	10	190	836.6	0.01	0.281	30.85	31.00	1.035	**0.291**	3#
	Level5&6	OFF		Right Edge	10	190	836.6	0.19	0.111	30.85	31.00	1.035	0.115	/
	Level5&6	ON2		Top Edge	10	190	836.6	0.04	0.227	30.85	31.00	1.035	0.235	/
Ant.0	Level5&6	ON1	GPRS (2slots)	Front Side	10	190	836.6	0.08	0.129	30.89	31.50	1.151	0.149	/
	Level5&6	ON1		Back Side	10	190	836.6	-0.06	0.221	30.89	31.50	1.151	0.254	/
	Level5&6	OFF		Left Edge	10	190	836.6	0.08	0.054	30.89	31.50	1.151	0.062	/
	Level5&6	OFF		Right Edge	10	190	836.6	0.03	0.159	30.89	31.50	1.151	0.183	/
	Level5&6	ON1		Bottom Edge	10	190	836.6	-0.05	0.154	30.89	31.50	1.151	0.177	/

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

11.2 GSM 1900

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	Level1	N/A	GPRS (3slots)	Left Cheek	0	661	1880.0	0.08	0.293	21.94	22.20	1.063	0.312	/
	Level1	N/A		Left Tilt	0	661	1880.0	0.09	0.356	21.94	22.20	1.063	0.378	/
	Level1	N/A		Right Cheek	0	661	1880.0	-0.04	0.407	21.94	22.20	1.063	0.432	/
	Level1	N/A		Right Tilt	0	661	1880.0	-0.17	0.500	21.94	22.20	1.063	**0.531**	4#
Ant.1	Level2&3	N/A	GPRS (3slots)	Left Cheek	0	661	1880.0	0.00	0.269	20.98	21.20	1.053	0.283	/
	Level2&3	N/A		Left Tilt	0	661	1880.0	-0.07	0.363	20.98	21.20	1.053	0.382	/
	Level2&3	N/A		Right Cheek	0	661	1880.0	0.11	0.433	20.98	21.20	1.053	0.456	/
	Level2&3	N/A		Right Tilt	0	661	1880.0	0.15	0.497	20.98	21.20	1.053	0.523	/
Ant.0	Level1&2&3	N/A	GPRS (2slots)	Left Cheek	0	661	1880.0	0.00	0.052	28.31	28.50	1.045	0.054	/
	Level1&2&3	N/A		Left Tilt	0	661	1880.0	0.05	0.037	28.31	28.50	1.045	0.039	/
	Level1&2&3	N/A		Right Cheek	0	661	1880.0	-0.18	0.041	28.31	28.50	1.045	0.043	/
	Level1&2&3	N/A		Right Tilt	0	661	1880.0	-0.02	0.049	28.31	28.50	1.045	0.051	/
Body-worn Accessory														
Ant.1	Level4	OFF	GPRS (4slots)	Front Side	15	661	1880.0	0.19	0.260	24.39	24.70	1.075	0.279	/
	Level4	ON2	GPRS (2slots)	Back Side	15	661	1880.0	-0.14	0.295	26.39	26.70	1.074	**0.317**	5#
Ant.0	Level4	OFF	GPRS (2slots)	Front Side	15	661	1880.0	-0.09	0.150	28.31	28.50	1.045	0.157	/
	Level4	OFF		Back Side	15	661	1880.0	0.18	0.268	28.31	28.50	1.045	0.280	/
Hotspot														
Ant.1	Level5&6	OFF	GPRS (4slots)	Front Side	10	661	1880.0	0.09	0.588	24.39	24.70	1.075	0.632	/
	Level5&6	ON2	GPRS (2slots)	Back Side	10	661	1880.0	0.02	0.424	26.39	26.70	1.074	0.455	/
	Level5&6	OFF	GPRS (4slots)	Right Edge	10	661	1880.0	0.08	0.061	24.39	24.70	1.075	0.066	/
	Level5&6	ON2	GPRS (2slots)	Top Edge	10	661	1880.0	-0.10	0.616	26.39	26.70	1.074	**0.662**	6#
Ant.0	Level5&6	ON1	GPRS (3slots)	Front Side	10	810	1909.8	-0.15	0.197	25.86	26.70	1.212	0.239	/
	Level5&6	ON1	GPRS (3slots)	Back Side	10	810	1909.8	0.05	0.392	25.86	26.70	1.212	0.475	/
	Level5&6	OFF	GPRS (2slots)	Left Edge	10	661	1880.0	0.17	0.044	28.31	28.50	1.045	0.046	/
	Level5&6	OFF	GPRS (2slots)	Right Edge	10	661	1880.0	-0.14	0.062	28.31	28.50	1.045	0.065	/
	Level5&6	ON1	GPRS (3slots)	Bottom Edge	10	810	1909.8	-0.18	0.505	25.86	26.70	1.212	0.612	/
P-sensor Off														
Ant.1	Full	OFF	GPRS	Back Side	14	661	1880.0	0.19	0.394	24.39	24.70	1.075	0.423	/

	Full	OFF	(4slots)	Top Edge	13	661	1880.0	0.02	0.671	24.39	24.70	1.075	0.721	/
Ant.0	Full	OFF	GPRS (2slots)	Front Side	13	661	1880.0	-0.13	0.153	28.31	28.50	1.045	0.160	/
	Full	OFF		Back Side	11	661	1880.0	0.09	0.344	28.31	28.50	1.045	0.359	/
	Full	OFF		Bottom Edge	14.5	661	1880.0	0.14	0.359	28.31	28.50	1.045	0.375	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.3WCDMA Band 2

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	Level1	N/A	RMC	Left Cheek	0	9400	1880.0	-0.08	0.336	15.64	17.20	1.432	0.481	/
	Level1	N/A		Left Tilt	0	9400	1880.0	-0.02	0.429	15.64	17.20	1.432	0.615	/
	Level1	N/A		Right Cheek	0	9400	1880.0	0.18	0.494	15.64	17.20	1.432	0.707	/
	Level1	N/A		Right Tilt	0	9400	1880.0	-0.03	0.607	15.64	17.20	1.432	**0.869**	7#
	Level1	N/A			0	9262	1852.4	0.02	0.576	15.58	17.20	1.452	0.836	/
	Level1	N/A			0	9538	1907.6	-0.04	0.559	15.51	17.20	1.476	0.825	/
Ant.1	Level2&3	N/A	RMC	Left Cheek	0	9400	1880.0	-0.13	0.265	14.63	16.20	1.435	0.380	/
	Level2&3	N/A		Left Tilt	0	9400	1880.0	-0.16	0.329	14.63	16.20	1.435	0.472	/
	Level2&3	N/A		Right Cheek	0	9400	1880.0	0.19	0.373	14.63	16.20	1.435	0.536	/
	Level2&3	N/A		Right Tilt	0	9400	1880.0	0.11	0.471	14.63	16.20	1.435	0.676	/
Ant.0	Level1&2&3	N/A	RMC	Left Cheek	0	9400	1880.0	-0.06	0.086	23.27	24.50	1.327	0.114	/
	Level1&2&3	N/A		Left Tilt	0	9400	1880.0	0.13	0.057	23.27	24.50	1.327	0.076	/
	Level1&2&3	N/A		Right Cheek	0	9400	1880.0	0.15	0.059	23.27	24.50	1.327	0.079	/
	Level1&2&3	N/A		Right Tilt	0	9400	1880.0	-0.09	0.073	23.27	24.50	1.327	0.097	/
Body-worn Accessory														
Ant.1	Level4	OFF	RMC	Front Side	15	9400	1880.0	0.14	0.296	22.69	24.20	1.416	0.418	/
	Level4	ON2		Back Side	15	9400	1880.0	0.08	0.211	22.69	24.20	1.416	0.299	/
Ant.0	Level4	OFF	RMC	Front Side	15	9400	1880.0	-0.09	0.273	23.27	24.50	1.327	0.362	/
	Level4	OFF		Back Side	15	9400	1880.0	0.02	0.330	23.27	24.50	1.327	**0.438**	8#
Hotspot														
Ant.1	Level5&6	OFF	RMC	Front Side	10	9400	1880.0	0.09	0.450	22.69	24.20	1.416	0.637	/
	Level5&6	ON2		Back Side	10	9400	1880.0	-0.04	0.406	19.27	20.70	1.390	0.564	/
	Level5&6	OFF		Right Edge	10	9400	1880.0	-0.16	0.050	22.69	24.20	1.416	0.070	/
	Level5&6	ON2		Top Edge	10	9400	1880.0	0.28	0.529	19.27	20.70	1.390	**0.735**	9#
Ant.0	Level5&6	ON1	RMC	Front Side	10	9400	1880.0	0.18	0.216	20.26	21.50	1.330	0.287	/
	Level5&6	ON1		Back Side	10	9400	1880.0	-0.01	0.388	20.26	21.50	1.330	0.516	/
	Level5&6	OFF		Left Edge	10	9400	1880.0	-0.03	0.058	23.27	24.50	1.327	0.077	/
	Level5&6	OFF		Right Edge	10	9400	1880.0	-0.13	0.028	23.27	24.50	1.327	0.037	/
	Level5&6	ON1		Bottom Edge	10	9400	1880.0	-0.13	0.527	20.26	21.50	1.330	0.701	/
P-sensor Off														
Ant.1	Full	OFF	RMC	Back Side	14	9400	1880.0	0.15	0.457	22.69	24.20	1.416	0.647	/
	Full	OFF		Top Edge	13	9400	1880.0	0.03	0.769	22.69	24.20	1.416	1.089	/
Ant.0	Full	OFF	RMC	Front Side	13	9400	1880.0	-0.18	0.245	23.27	24.50	1.327	0.325	/
	Full	OFF		Back Side	11	9400	1880.0	0.06	0.586	23.27	24.50	1.327	0.778	/
	Full	OFF		Bottom Edge	14.5	9400	1880.0	-0.15	0.625	23.27	24.50	1.327	0.830	/

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

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	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.1	Level5&6	ON2	RMC	Back Side	0	9400	1880.0	0.01	0.988	19.27	20.70	1.390	1.373	/
	Level5&6	ON2		Top Edge	0	9400	1880.0	0.08	1.280	19.27	20.70	1.390	**1.779**	10#
Ant.0	Level5&6	ON1	RMC	Bottom Edge	0	9400	1880.0	-0.09	1.010	20.26	21.50	1.330	1.344	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.4WCDMA Band 4

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	Level1	N/A	RMC	Left Cheek	0	1412	1732.4	-0.08	0.337	16.26	17.20	1.242	0.418	/
	Level1	N/A		Left Tilt	0	1412	1732.4	-0.18	0.411	16.26	17.20	1.242	0.510	/
	Level1	N/A		Right Cheek	0	1412	1732.4	-0.18	0.509	16.26	17.20	1.242	0.632	/
	Level1	N/A		Right Tilt	0	1412	1732.4	0.10	0.609	16.26	17.20	1.242	**0.756**	11#
Ant.1	Level2&3	N/A	RMC	Left Cheek	0	1412	1732.4	0.15	0.264	15.22	16.20	1.253	0.331	/
	Level2&3	N/A		Left Tilt	0	1412	1732.4	0.02	0.318	15.22	16.20	1.253	0.398	/
	Level2&3	N/A		Right Cheek	0	1412	1732.4	0.11	0.394	15.22	16.20	1.253	0.494	/
	Level2&3	N/A		Right Tilt	0	1412	1732.4	0.19	0.460	15.22	16.20	1.253	0.576	/
Ant.0	Level1&2&3	N/A	RMC	Left Cheek	0	1412	1732.4	0.11	0.067	24.26	24.50	1.057	0.071	/
	Level1&2&3	N/A		Left Tilt	0	1412	1732.4	0.04	0.016	24.26	24.50	1.057	0.017	/
	Level1&2&3	N/A		Right Cheek	0	1412	1732.4	0.02	0.057	24.26	24.50	1.057	0.060	/
	Level1&2&3	N/A		Right Tilt	0	1412	1732.4	0.10	0.041	24.26	24.50	1.057	0.043	/
Body-worn Accessory														
Ant.1	Level4	OFF	RMC	Front Side	15	1412	1732.4	-0.08	0.227	23.55	24.20	1.161	0.264	/
	Level4	ON2		Back Side	15	1412	1732.4	0.13	0.136	23.55	24.20	1.161	0.158	/
Ant.0	Level4	OFF	RMC	Front Side	15	1412	1732.4	-0.04	0.200	24.26	24.50	1.057	0.211	/
	Level4	OFF		Back Side	15	1412	1732.4	0.14	0.264	24.26	24.50	1.057	**0.279**	12#
Hotspot														
Ant.1	Level5&6	OFF	RMC	Front Side	10	1412	1732.4	0.05	0.448	23.55	24.20	1.161	0.520	/
	Level5&6	ON2		Back Side	10	1412	1732.4	-0.10	0.315	19.78	20.70	1.236	0.389	/
	Level5&6	OFF		Right Edge	10	1412	1732.4	0.09	0.044	23.55	24.20	1.161	0.051	/
	Level5&6	ON2		Top Edge	10	1412	1732.4	0.18	0.417	19.78	20.70	1.236	0.515	/
Ant.0	Level5&6	ON1	RMC	Front Side	10	1412	1732.4	0.17	0.181	20.51	21.00	1.119	0.203	/
	Level5&6	ON1		Back Side	10	1412	1732.4	-0.01	0.377	20.51	21.00	1.119	0.422	/
	Level5&6	OFF		Left Edge	10	1412	1732.4	0.16	0.081	24.26	24.50	1.057	0.086	/
	Level5&6	OFF		Right Edge	10	1412	1732.4	0.06	0.017	24.26	24.50	1.057	0.018	/
	Level5&6	ON1		Bottom Edge	10	1412	1732.4	0.13	0.470	20.51	21.00	1.119	**0.526**	13#
P-sensor Off														
Ant.1	Full	OFF	RMC	Back Side	14	1412	1732.4	-0.18	0.363	23.55	24.20	1.161	0.422	/
	Full	OFF		Top Edge	13	1412	1732.4	0.03	0.556	23.55	24.20	1.161	0.646	/
Ant.0	Full	OFF	RMC	Front Side	13	1412	1732.4	-0.17	0.285	24.26	24.50	1.057	0.301	/
	Full	OFF		Back Side	11	1412	1732.4	0.11	0.681	24.26	24.50	1.057	0.720	/
	Full	OFF		Bottom Edge	14.5	1412	1732.4	-0.04	0.664	24.26	24.50	1.057	0.702	/

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

11.5WCDMA Band 5

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	Level1	N/A	RMC	Left Cheek	0	4182	836.4	0.12	0.537	23.29	24.00	1.178	0.632	/
	Level1	N/A		Left Tilt	0	4182	836.4	-0.04	0.498	23.29	24.00	1.178	0.586	/
	Level1	N/A		Right Cheek	0	4182	836.4	0.17	0.820	23.29	24.00	1.178	0.965	/
	Level1	N/A			0	4132	826.4	-0.18	0.825	23.28	24.00	1.180	**0.974**	14#
	Level1	N/A			0	4233	846.6	-0.10	0.767	23.17	24.00	1.211	0.929	/
	Level1	N/A		Right Tilt	0	4182	836.4	0.18	0.671	23.29	24.00	1.178	0.791	/
Ant.1	Level2&3	N/A	RMC	Left Cheek	0	4182	836.4	-0.18	0.510	22.27	23.00	1.183	0.603	/
	Level2&3	N/A		Left Tilt	0	4182	836.4	0.14	0.477	22.27	23.00	1.183	0.564	/
	Level2&3	N/A		Right Cheek	0	4182	836.4	0.17	0.669	22.27	23.00	1.183	0.791	/
	Level2&3	N/A		Right Tilt	0	4182	836.4	0.09	0.477	22.27	23.00	1.183	0.564	/
Ant.0	Level1&2&3	N/A	RMC	Left Cheek	0	4182	836.4	0.00	0.163	24.21	24.80	1.146	0.187	/
	Level1&2&3	N/A		Left Tilt	0	4182	836.4	-0.06	0.082	24.21	24.80	1.146	0.094	/
	Level1&2&3	N/A		Right Cheek	0	4182	836.4	0.11	0.113	24.21	24.80	1.146	0.129	/
	Level1&2&3	N/A		Right Tilt	0	4182	836.4	0.14	0.064	24.21	24.80	1.146	0.073	/
Body-worn Accessory														
Ant.1	Level4	OFF	RMC	Front Side	15	4182	836.4	-0.04	0.079	24.03	24.50	1.114	0.088	/
	Level4	ON2		Back Side	15	4182	836.4	-0.04	0.098	24.03	24.50	1.114	0.110	/
Ant.0	Level4	OFF	RMC	Front Side	15	4182	836.4	-0.17	0.066	24.21	24.80	1.146	0.076	/
	Level4	OFF		Back Side	15	4182	836.4	0.06	0.118	24.21	24.80	1.146	**0.135**	15#
Hotspot														
Ant.1	Level5&6	OFF	RMC	Front Side	10	4182	836.4	0.13	0.206	24.03	24.50	1.114	0.229	/
	Level5&6	ON2		Back Side	10	4182	836.4	0.00	0.250	24.03	24.50	1.114	**0.279**	16#
	Level5&6	OFF		Right Edge	10	4182	836.4	0.16	0.107	24.03	24.50	1.114	0.119	/
	Level5&6	ON2		Top Edge	10	4182	836.4	0.04	0.202	24.03	24.50	1.114	0.225	/
Ant.0	Level5&6	ON1	RMC	Front Side	10	4182	836.4	-0.06	0.118	24.21	24.80	1.146	0.135	/
	Level5&6	ON1		Back Side	10	4182	836.4	0.07	0.200	24.21	24.80	1.146	0.229	/
	Level5&6	OFF		Left Edge	10	4182	836.4	0.13	0.074	24.21	24.80	1.146	0.085	/
	Level5&6	OFF		Right Edge	10	4182	836.4	-0.14	0.126	24.21	24.80	1.146	0.144	/
	Level5&6	ON1		Bottom Edge	10	4182	836.4	-0.07	0.130	24.21	24.80	1.146	0.149	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	N/A	QPSK	Left Cheek	0	18900	1880	1	MID	-0.08	0.425	15.55	17.20	1.462	0.621	/
	Level1	N/A			0	18700	1860	50	MID	-0.06	0.420	15.58	17.20	1.452	0.609	/
	Level1	N/A		Left Tilt	0	18900	1880	1	MID	-0.06	0.539	15.55	17.20	1.462	0.788	/
	Level1	N/A			0	18700	1860	50	MID	-0.07	0.539	15.58	17.20	1.452	0.783	/
	Level1	N/A		Right Cheek	0	18900	1880	1	MID	0.10	0.628	15.55	17.20	1.462	0.918	/
	Level1	N/A			0	18700	1860	1	MID	-0.14	0.613	15.51	17.20	1.476	0.905	/
	Level1	N/A			0	19100	1900	1	MID	-0.11	0.608	15.51	17.20	1.476	0.897	/
	Level1	N/A			0	18700	1860	50	MID	-0.06	0.633	15.58	17.20	1.452	0.919	/
	Level1	N/A			0	18900	1880	50	HIGH	-0.05	0.621	15.55	17.20	1.462	0.908	/
	Level1	N/A			0	19100	1900	50	MID	-0.18	0.613	15.58	17.20	1.452	0.890	/
	Level1	N/A			0	19100	1900	100	LOW	-0.07	0.597	15.60	17.20	1.445	0.863	/
	Level1	N/A		Right Tilt	0	18900	1880	1	MID	-0.16	0.711	15.55	17.20	1.462	1.039	/
	Level1	N/A			0	18700	1860	1	MID	0.17	0.708	15.51	17.20	1.476	1.045	/
	Level1	N/A			0	19100	1900	1	MID	-0.05	0.700	15.51	17.20	1.476	1.033	/
	Level1	N/A			0	18700	1860	50	MID	0.17	0.726	15.58	17.20	1.452	**1.054**	17#
	Level1	N/A			0	18900	1880	50	HIGH	-0.13	0.713	15.55	17.20	1.462	1.043	/
	Level1	N/A			0	19100	1900	50	MID	0.02	0.704	15.58	17.20	1.452	1.022	/
	Level1	N/A			0	19100	1900	100	LOW	0.10	0.696	15.60	17.20	1.445	1.006	/
Ant.1	Level2&3	N/A	QPSK	Left Cheek	0	18900	1880	1	MID	0.05	0.325	14.62	16.20	1.439	0.468	/
	Level2&3	N/A			0	18700	1860	50	MID	0.10	0.325	14.69	16.20	1.416	0.461	/
	Level2&3	N/A		Left Tilt	0	18900	1880	1	MID	-0.04	0.423	14.62	16.20	1.439	0.609	/
	Level2&3	N/A			0	18700	1860	50	MID	0.15	0.423	14.69	16.20	1.416	0.599	/
	Level2&3	N/A		Right Cheek	0	18900	1880	1	MID	-0.02	0.486	14.62	16.20	1.439	0.699	/
	Level2&3	N/A			0	18700	1860	50	MID	0.02	0.481	14.69	16.20	1.416	0.680	/
	Level2&3	N/A		Right Tilt	0	18900	1880	1	MID	-0.18	0.594	14.62	16.20	1.439	0.854	/
	Level2&3	N/A			0	18700	1860	1	MID	0.08	0.581	14.57	16.20	1.455	0.846	/
	Level2&3	N/A			0	19100	1900	1	MID	-0.01	0.581	14.58	16.20	1.452	0.844	/
	Level2&3	N/A			0	18700	1860	50	MID	-0.10	0.592	14.69	16.20	1.416	0.839	/
	Level2&3	N/A			0	18900	1880	50	LOW	0.09	0.585	14.64	16.20	1.432	0.838	/
	Level2&3	N/A			0	19100	1900	50	LOW	0.07	0.563	14.69	16.20	1.416	0.797	/
	Level2&3	N/A			0	19100	1900	100	LOW	0.03	0.568	14.69	16.20	1.416	0.804	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	18900	1880	1	MID	0.19	0.100	22.48	24.00	1.419	0.143	/
	Level1&2&3	N/A			0	18900	1880	50	HIGH	0.18	0.081	21.59	23.00	1.384	0.113	/
	Level1&2&3	N/A		Left Tilt	0	18900	1880	1	MID	0.16	0.064	22.48	24.00	1.419	0.090	/
	Level1&2&3	N/A			0	18900	1880	50	HIGH	0.01	0.055	21.59	23.00	1.384	0.076	/
	Level1&2&3	N/A		Right Cheek	0	18900	1880	1	MID	-0.12	0.066	22.48	24.00	1.419	0.094	/
	Level1&2&3	N/A			0	18900	1880	50	HIGH	-0.09	0.065	21.59	23.00	1.384	0.090	/
	Level1&2&3	N/A		Right Tilt	0	18900	1880	1	MID	0.16	0.088	22.48	24.00	1.419	0.124	/
	Level1&2&3	N/A			0	18900	1880	50	HIGH	-0.19	0.070	21.59	23.00	1.384	0.097	/
Body-worn Accessory																

Ant.1	Level4	OFF	QPSK	Front Side	15	18900	1880	1	MID	0.09	0.227	22.38	23.70	1.355	0.308	/
	Level4	OFF			15	18700	1860	50	MID	0.08	0.245	21.39	22.70	1.352	0.331	/
	Level4	ON2		Back Side	15	18900	1880	1	MID	0.08	0.131	22.38	23.70	1.355	0.178	/
	Level4	ON2			15	18700	1860	50	MID	-0.06	0.139	21.39	22.70	1.352	0.188	/
Ant.0	Level4	OFF	QPSK	Front Side	15	18900	1880	1	MID	-0.07	0.232	22.48	24.00	1.419	0.329	/
	Level4	OFF			15	18900	1880	50	HIGH	0.02	0.206	21.59	23.00	1.384	0.285	/
	Level4	OFF		Back Side	15	18900	1880	1	MID	0.17	0.295	22.48	24.00	1.419	**0.419**	18#
	Level4	OFF			15	18900	1880	50	HIGH	0.08	0.268	21.59	23.00	1.384	0.371	/
Hotspot																
Ant.1	Level5&6	OFF	QPSK	Front Side	10	19100	1900	1	HIGH	0.08	0.432	22.38	23.70	1.355	0.585	/
	Level5&6	OFF			10	18700	1860	50	MID	0.13	0.395	21.39	22.70	1.352	0.534	/
	Level5&6	ON2		Back Side	10	19100	1900	1	HIGH	0.11	0.371	19.30	20.20	1.230	0.456	/
	Level5&6	ON2			10	18700	1860	50	MID	-0.11	0.362	19.39	20.20	1.205	0.436	/
	Level5&6	OFF		Right Edge	10	18900	1880	1	MID	0.13	0.047	22.38	23.70	1.355	0.064	/
	Level5&6	OFF			10	18700	1860	50	MID	0.04	0.051	21.39	22.70	1.352	0.069	/
	Level5&6	ON2		Top Edge	10	19100	1900	1	HIGH	0.09	0.482	19.30	20.20	1.230	0.593	/
	Level5&6	ON2			10	18700	1860	50	MID	0.08	0.500	19.39	20.20	1.205	**0.603**	19#
Ant.0	Level5&6	ON1	QPSK	Front Side	10	18700	1860	1	MID	-0.12	0.195	19.90	21.00	1.288	0.251	/
	Level5&6	ON1			10	18700	1860	50	MID	-0.15	0.189	19.99	21.00	1.262	0.238	/
	Level5&6	ON1		Back Side	10	18700	1860	1	MID	-0.18	0.353	19.90	21.00	1.288	0.455	/
	Level5&6	ON1			10	18700	1860	50	MID	0.01	0.352	19.99	21.00	1.262	0.444	/
	Level5&6	OFF		Left Edge	10	18900	1880	1	MID	0.01	0.084	22.48	24.00	1.419	0.119	/
	Level5&6	OFF			10	18900	1880	50	HIGH	-0.03	0.071	21.59	23.00	1.384	0.098	/
	Level5&6	OFF		Right Edge	10	18700	1860	1	MID	0.15	0.165	22.48	24.00	1.419	0.234	/
	Level5&6	OFF			10	18700	1860	50	MID	-0.07	0.135	21.59	23.00	1.384	0.187	/
	Level5&6	ON1		Bottom Edge	10	18700	1860	1	MID	0.19	0.467	19.90	21.00	1.288	0.602	/
	Level5&6	ON1			10	18700	1860	50	MID	0.10	0.470	19.99	21.00	1.262	0.593	/
P-sensor Off																
Ant.1	Full	OFF	QPSK	Back Side	14	18900	1880	1	MID	-0.06	0.430	22.38	23.70	1.355	0.583	/
	Full	OFF		Top Edge	13	18900	1880	1	MID	0.14	0.723	22.38	23.70	1.355	0.980	/
Ant.0	Full	OFF	QPSK	Front Side	13	18900	1880	1	MID	-0.19	0.246	22.47	24.00	1.422	0.350	/
	Full	OFF		Back Side	11	18900	1880	1	MID	-0.10	0.539	22.47	24.00	1.422	0.767	/
	Full	OFF		Bottom Edge	14.5	18900	1880	1	MID	0.05	0.575	22.47	24.00	1.422	0.818	/

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

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	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.1	Level5&6	ON2	QPSK	Back Side	0	19100	1900	1	HIGH	-0.15	0.918	19.30	20.20	1.230	1.129	/
	Level5&6	ON2			0	18700	1860	50	MID	0.13	0.955	19.39	20.20	1.205	1.151	/
	Level5&6	ON2		Top Edge	0	19100	1900	1	HIGH	-0.06	0.985	19.30	20.20	1.230	1.212	/
	Level5&6	ON2			0	18700	1860	50	MID	0.03	1.050	19.39	20.20	1.205	1.265	/
Ant.0	Level5&6	ON1	QPSK	Bottom Edge	0	18700	1860	1	MID	0.02	1.010	19.90	21.00	1.288	**1.301**	20#
	Level5&6	ON1			0	18700	1860	50	MID	0.12	0.983	19.99	21.00	1.262	1.240	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.7 LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	N/A	QPSK	Left Cheek	0	20300	1745	1	MID	-0.09	0.360	15.91	17.20	1.346	0.485	/
	Level1	N/A			0	20300	1745	50	MID	-0.18	0.367	16.05	17.20	1.303	0.478	/
	Level1	N/A		Left Tilt	0	20300	1745	1	MID	-0.06	0.439	15.91	17.20	1.346	0.591	/
	Level1	N/A			0	20300	1745	50	MID	0.04	0.454	16.05	17.20	1.303	0.592	/
	Level1	N/A		Right Cheek	0	20300	1745	1	MID	0.11	0.538	15.91	17.20	1.346	0.724	/
	Level1	N/A			0	20300	1745	50	MID	0.13	0.550	16.05	17.20	1.303	0.716	/
	Level1	N/A		Right Tilt	0	20300	1745	1	MID	0.17	0.614	15.91	17.20	1.346	0.826	/
	Level1	N/A			0	20050	1720	1	MID	-0.10	0.602	15.88	17.20	1.355	0.816	/
	Level1	N/A			0	20175	1732.5	1	MID	0.03	0.608	15.91	17.20	1.346	0.818	/
	Level1	N/A			0	20300	1745	50	MID	-0.17	0.639	16.05	17.20	1.303	**0.833**	21#
	Level1	N/A			0	20050	1720	50	HIGH	-0.09	0.617	15.98	17.20	1.324	0.817	/
	Level1	N/A			0	20175	1732.5	50	HIGH	-0.16	0.601	16.03	17.20	1.309	0.787	/
	Level1	N/A			0	20175	1732.5	100	LOW	0.15	0.608	15.97	17.20	1.327	0.807	/
Ant.1	Level2&3	N/A	QPSK	Left Cheek	0	20175	1732.5	1	MID	0.11	0.281	15.03	16.20	1.309	0.368	/
	Level2&3	N/A			0	20300	1745	50	MID	0.10	0.288	15.13	16.20	1.279	0.369	/
	Level2&3	N/A		Left Tilt	0	20175	1732.5	1	MID	0.03	0.350	15.03	16.20	1.309	0.458	/
	Level2&3	N/A			0	20300	1745	50	MID	-0.09	0.361	15.13	16.20	1.279	0.462	/
	Level2&3	N/A		Right Cheek	0	20175	1732.5	1	MID	0.01	0.436	15.03	16.20	1.309	0.570	/
	Level2&3	N/A			0	20300	1745	50	MID	0.07	0.441	15.13	16.20	1.279	0.565	/
	Level2&3	N/A		Right Tilt	0	20175	1732.5	1	MID	-0.13	0.500	15.03	16.20	1.309	0.654	/
	Level2&3	N/A			0	20300	1745	50	MID	-0.02	0.515	15.13	16.20	1.279	0.658	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	20300	1745	1	MID	0.01	0.069	23.25	24.50	1.334	0.091	/
	Level1&2&3	N/A			0	20175	1732.5	50	MID	0.02	0.051	22.36	23.50	1.300	0.066	/
	Level1&2&3	N/A		Left Tilt	0	20300	1745	1	MID	0.17	0.032	23.25	24.50	1.334	0.043	/
	Level1&2&3	N/A			0	20175	1732.5	50	MID	-0.13	0.027	22.36	23.50	1.300	0.035	/
	Level1&2&3	N/A		Right Cheek	0	20300	1745	1	MID	0.14	0.059	23.25	24.50	1.334	0.079	/
	Level1&2&3	N/A			0	20175	1732.5	50	MID	0.16	0.041	22.36	23.50	1.300	0.053	/
	Level1&2&3	N/A		Right Tilt	0	20300	1745	1	MID	-0.08	0.048	23.25	24.50	1.334	0.064	/
	Level1&2&3	N/A			0	20175	1732.5	50	MID	0.06	0.037	22.36	23.50	1.300	0.048	/
Body-worn Accessory																
Ant.1	Level4	OFF	QPSK	Front Side	15	20175	1732.5	1	MID	-0.07	0.178	23.27	24.20	1.239	0.221	/
	Level4	OFF			15	20175	1732.5	50	LOW	-0.06	0.151	22.33	23.20	1.222	0.184	/
	Level4	ON2		Back Side	15	20175	1732.5	1	MID	0.04	0.161	23.27	24.20	1.239	0.199	/
	Level4	ON2			15	20175	1732.5	50	LOW	-0.07	0.167	22.33	23.20	1.222	0.204	/
Ant.0	Level4	OFF	QPSK	Front Side	15	20050	1720	1	MID	-0.02	0.202	23.26	24.50	1.330	0.269	/
	Level4	OFF			15	20050	1720	50	MID	-0.14	0.185	22.36	23.50	1.300	0.241	/
	Level4	OFF		Back Side	15	20050	1720	1	MID	0.18	0.297	23.26	24.50	1.330	**0.395**	22#
	Level4	OFF			15	20050	1720	50	MID	-0.19	0.255	22.36	23.50	1.300	0.332	/
Hotspot																
Ant.1	Level5&6	OFF	QPSK	Front Side	10	20175	1732.5	1	MID	0.15	0.474	23.27	24.20	1.239	0.587	/

	Level5&6	OFF			10	20050	1720	50	MID	-0.14	0.425	22.33	23.20	1.222	0.519	/
	Level5&6	ON2		Back Side	10	20175	1732.5	1	MID	-0.10	0.292	20.17	20.70	1.130	0.330	/
	Level5&6	ON2			10	20050	1720	50	MID	0.06	0.245	20.30	20.70	1.096	0.269	/
	Level5&6	OFF		Right Edge	10	20175	1732.5	1	MID	-0.19	0.048	23.27	24.20	1.239	0.059	/
	Level5&6	OFF			10	20175	1732.5	50	LOW	0.13	0.044	22.33	23.20	1.222	0.054	/
	Level5&6	ON2		Top Edge	10	20175	1732.5	1	MID	-0.18	0.384	20.17	20.70	1.130	0.434	/
	Level5&6	ON2			10	20050	1720	50	MID	-0.03	0.353	20.30	20.70	1.096	0.387	/
Ant.0	Level5&6	ON1	QPSK	Front Side	10	20175	1732.5	1	HIGH	0.15	0.203	20.78	21.50	1.180	0.240	/
	Level5&6	ON1			10	20175	1732.5	50	HIGH	0.11	0.203	20.93	21.50	1.140	0.231	/
	Level5&6	ON1		Back Side	10	20175	1732.5	1	HIGH	0.14	0.407	20.78	21.50	1.180	0.480	/
	Level5&6	ON1			10	20175	1732.5	50	HIGH	0.15	0.384	20.93	21.50	1.140	0.438	/
	Level5&6	OFF		Left Edge	10	20050	1720	1	MID	0.11	0.072	23.26	24.50	1.330	0.096	/
	Level5&6	OFF			10	20050	1720	50	MID	-0.05	0.059	22.36	23.50	1.300	0.077	/
	Level5&6	OFF		Right Edge	10	20175	1732.5	1	HIGH	0.11	0.145	23.26	24.50	1.330	0.193	/
	Level5&6	OFF			10	20175	1732.5	50	HIGH	-0.09	0.125	22.36	23.50	1.300	0.163	/
	Level5&6	ON1		Bottom Edge	10	20175	1732.5	1	HIGH	-0.06	0.503	20.78	21.50	1.180	**0.594**	23#
	Level5&6	ON1			10	20175	1732.5	50	HIGH	-0.18	0.501	20.93	21.50	1.140	0.571	/
P-sensor Off																
Ant.1	Full	OFF	QPSK	Back Side	14	20175	1732.5	1	MID	-0.14	0.358	23.27	24.20	1.239	0.443	/
	Full	OFF		Top Edge	13	20175	1732.5	1	MID	-0.07	0.548	23.27	24.20	1.239	0.679	/
Ant.0	Full	OFF	QPSK	Front Side	13	20175	1732.5	1	MID	-0.13	0.286	23.31	24.50	1.315	0.376	/
	Full	OFF		Back Side	11	20175	1732.5	1	MID	0.09	0.658	23.31	24.50	1.315	0.865	/
	Full	OFF		Bottom Edge	14.5	20175	1732.5	1	MID	0.15	0.617	23.31	24.50	1.315	0.811	/

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

11.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	N/A	QPSK	Left Cheek	0	20525	836.5	1	LOW	0.14	0.474	22.52	23.50	1.253	0.594	/
	Level1	N/A			0	20525	836.5	25	MID	-0.17	0.489	22.55	23.50	1.245	0.608	/
	Level1	N/A		Left Tilt	0	20525	836.5	1	LOW	-0.07	0.424	22.52	23.50	1.253	0.531	/
	Level1	N/A			0	20525	836.5	25	MID	-0.13	0.479	22.55	23.50	1.245	0.596	/
	Level1	N/A		Right Cheek	0	20525	836.5	1	LOW	-0.14	0.750	22.52	23.50	1.253	**0.940**	24#
	Level1	N/A			0	20450	829	1	HIGH	-0.16	0.709	22.50	23.50	1.259	0.893	/
	Level1	N/A			0	20600	844	1	MID	0.01	0.670	22.51	23.50	1.256	0.842	/
	Level1	N/A			0	20525	836.5	25	MID	-0.02	0.749	22.55	23.50	1.245	0.932	/
	Level1	N/A			0	20450	829	25	MID	-0.10	0.678	22.54	23.50	1.247	0.845	/
	Level1	N/A			0	20600	844	25	MID	-0.14	0.662	22.53	23.50	1.250	0.828	/
	Level1	N/A			0	20525	836.5	100	LOW	0.18	0.744	22.53	23.50	1.250	0.931	/
	Level1	N/A		Right Tilt	0	20525	836.5	1	LOW	-0.19	0.606	22.52	23.50	1.253	0.760	/
	Level1	N/A			0	20525	836.5	25	MID	0.07	0.615	22.55	23.50	1.245	0.766	/
Ant.1	Level2&3	N/A	QPSK	Left Cheek	0	20525	836.5	1	LOW	-0.08	0.475	21.70	22.50	1.202	0.571	/
	Level2&3	N/A			0	20525	836.5	25	HIGH	-0.13	0.475	21.73	22.50	1.194	0.567	/
	Level2&3	N/A		Left Tilt	0	20525	836.5	1	LOW	-0.05	0.413	21.70	22.50	1.202	0.497	/
	Level2&3	N/A			0	20525	836.5	25	HIGH	0.15	0.416	21.73	22.50	1.194	0.497	/
	Level2&3	N/A		Right Cheek	0	20525	836.5	1	LOW	0.18	0.660	21.70	22.50	1.202	0.793	/
	Level2&3	N/A			0	20525	836.5	25	HIGH	0.07	0.662	21.73	22.50	1.194	0.790	/
	Level2&3	N/A		Right Tilt	0	20525	836.5	1	LOW	0.11	0.526	21.70	22.50	1.202	0.632	/
	Level2&3	N/A			0	20525	836.5	25	HIGH	-0.07	0.527	21.73	22.50	1.194	0.629	/
Ant.1 (Only For ENDC)	Level1	N/A	QPSK	Left Cheek	0	20525	836.5	1	MID	0.13	0.328	20.37	20.70	1.079	0.354	/
	Level1	N/A			0	20525	836.5	25	MID	0.16	0.339	20.38	20.70	1.076	0.364	/
	Level1	N/A		Left Tilt	0	20525	836.5	1	MID	0.06	0.294	20.37	20.70	1.079	0.317	/
	Level1	N/A			0	20525	836.5	25	MID	-0.08	0.332	20.38	20.70	1.076	0.357	/
	Level1	N/A		Right Cheek	0	20525	836.5	1	MID	0.19	0.520	20.37	20.70	1.079	0.561	/
	Level1	N/A			0	20525	836.5	25	MID	0.06	0.519	20.38	20.70	1.076	0.559	/
	Level1	N/A		Right Tilt	0	20525	836.5	1	MID	-0.01	0.420	20.37	20.70	1.079	0.453	/
	Level1	N/A			0	20525	836.5	25	MID	-0.01	0.426	20.38	20.70	1.076	0.459	/
Ant.1 (Only For ENDC)	Level2&3	N/A	QPSK	Left Cheek	0	20525	836.5	1	MID	0.12	0.261	19.35	19.70	1.084	0.283	/
	Level2&3	N/A			0	20525	836.5	25	MID	0.13	0.269	19.38	19.70	1.076	0.289	/
	Level2&3	N/A		Left Tilt	0	20525	836.5	1	MID	-0.05	0.233	19.35	19.70	1.084	0.253	/
	Level2&3	N/A			0	20525	836.5	25	MID	-0.04	0.264	19.38	19.70	1.076	0.284	/
	Level2&3	N/A		Right Cheek	0	20525	836.5	1	MID	-0.12	0.413	19.35	19.70	1.084	0.447	/
	Level2&3	N/A			0	20525	836.5	25	MID	0.11	0.412	19.38	19.70	1.076	0.444	/
	Level2&3	N/A		Right Tilt	0	20525	836.5	1	MID	0.16	0.334	19.35	19.70	1.084	0.362	/
	Level2&3	N/A			0	20525	836.5	25	MID	-0.15	0.339	19.38	19.70	1.076	0.364	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	20525	836.5	1	HIGH	0.10	0.156	23.89	24.80	1.233	0.192	/
	Level1&2&3	N/A			0	20525	836.5	25	HIGH	0.14	0.130	22.88	23.80	1.236	0.161	/
	Level1&2&3	N/A		Left Tilt	0	20525	836.5	1	HIGH	0.06	0.078	23.89	24.80	1.233	0.096	/

	Level1&2&3	N/A			0	20525	836.5	25	HIGH	-0.07	0.063	22.88	23.80	1.236	0.078	/
	Level1&2&3	N/A		Right Cheek	0	20525	836.5	1	HIGH	0.15	0.119	23.89	24.80	1.233	0.147	/
	Level1&2&3	N/A			0	20525	836.5	25	HIGH	-0.02	0.091	22.88	23.80	1.236	0.112	/
	Level1&2&3	N/A		Right Tilt	0	20525	836.5	1	HIGH	0.16	0.070	23.89	24.80	1.233	0.086	/
	Level1&2&3	N/A			0	20525	836.5	25	HIGH	0.01	0.059	22.88	23.80	1.236	0.073	/
Body-worn Accessory																
Ant.1	Level4	OFF	QPSK	Front Side	15	20525	836.5	1	HIGH	0.13	0.172	23.69	24.50	1.205	0.207	/
	Level4	OFF			15	20525	836.5	25	HIGH	-0.14	0.136	22.73	23.50	1.194	0.163	/
	Level4	ON2		Back Side	15	20525	836.5	1	HIGH	0.01	0.194	23.69	24.50	1.205	**0.234**	25#
	Level4	ON2			15	20525	836.5	25	HIGH	-0.19	0.156	22.73	23.50	1.194	0.187	/
Ant.0	Level4	OFF	QPSK	Front Side	15	20525	836.5	1	HIGH	-0.16	0.138	23.89	24.80	1.233	0.171	/
	Level4	OFF			15	20525	836.5	25	HIGH	0.09	0.110	22.88	23.80	1.236	0.136	/
	Level4	OFF		Back Side	15	20525	836.5	1	HIGH	-0.14	0.181	23.89	24.80	1.233	0.224	/
	Level4	OFF			15	20525	836.5	25	HIGH	-0.08	0.143	22.88	23.80	1.236	0.177	/
Hotspot																
Ant.1	Level5&6	OFF	QPSK	Front Side	10	20525	836.5	1	HIGH	-0.11	0.237	23.69	24.50	1.205	0.286	/
	Level5&6	OFF			10	20525	836.5	25	HIGH	0.06	0.187	22.73	23.50	1.194	0.224	/
	Level5&6	ON2		Back Side	10	20525	836.5	1	HIGH	0.06	0.279	23.69	24.50	1.205	**0.336**	26#
	Level5&6	ON2			10	20525	836.5	25	HIGH	-0.12	0.227	22.73	23.50	1.194	0.270	/
	Level5&6	OFF		Right Edge	10	20525	836.5	1	HIGH	-0.06	0.168	23.69	24.50	1.205	0.203	/
	Level5&6	OFF			10	20525	836.5	25	HIGH	0.16	0.132	22.73	23.50	1.194	0.158	/
	Level5&6	ON2		Top Edge	10	20525	836.5	1	HIGH	-0.08	0.249	23.69	24.50	1.205	0.300	/
	Level5&6	ON2			10	20525	836.5	25	HIGH	-0.10	0.197	22.73	23.50	1.194	0.235	/
Ant.0	Level5&6	ON1	QPSK	Front Side	10	20525	836.5	1	HIGH	-0.18	0.123	23.89	24.80	1.233	0.152	/
	Level5&6	ON1			10	20525	836.5	25	HIGH	0.19	0.098	22.88	23.80	1.236	0.121	/
	Level5&6	ON1		Back Side	10	20525	836.5	1	HIGH	0.00	0.175	23.89	24.80	1.233	0.216	/
	Level5&6	ON1			10	20525	836.5	25	HIGH	0.07	0.188	22.88	23.80	1.236	0.232	/
	Level5&6	OFF		Left Edge	10	20525	836.5	1	HIGH	-0.19	0.082	23.89	24.80	1.233	0.101	/
	Level5&6	OFF			10	20525	836.5	25	HIGH	0.02	0.064	22.88	23.80	1.236	0.079	/
	Level5&6	OFF		Right Edge	10	20525	836.5	1	HIGH	0.03	0.138	23.89	24.80	1.233	0.170	/
	Level5&6	OFF			10	20525	836.5	25	HIGH	0.12	0.108	22.88	23.80	1.236	0.133	/
	Level5&6	ON1		Bottom Edge	10	20525	836.5	1	HIGH	-0.18	0.134	23.89	24.80	1.233	0.165	/
	Level5&6	ON1			10	20525	836.5	25	HIGH	-0.06	0.109	22.88	23.80	1.236	0.135	/

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

11.9LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	N/A	QPSK	Left Cheek	0	21350	2560	1	MID	-0.02	0.168	16.75	18.20	1.396	0.235	/
	Level1	N/A			0	21350	2560	50	LOW	0.17	0.183	16.86	18.20	1.361	0.250	/
	Level1	N/A		Left Tilt	0	21350	2560	1	MID	-0.08	0.164	16.75	18.20	1.396	0.229	/
	Level1	N/A			0	21350	2560	50	LOW	0.14	0.171	16.86	18.20	1.361	0.232	/
	Level1	N/A		Right Cheek	0	21350	2560	1	MID	0.19	0.530	16.75	18.20	1.396	0.739	/
	Level1	N/A			0	21350	2560	50	LOW	0.11	0.589	16.86	18.20	1.361	0.803	/
	Level1	N/A			0	20850	2510	50	MID	-0.03	0.535	16.66	18.20	1.426	0.763	/
	Level1	N/A			0	21100	2535	50	MID	0.11	0.590	16.85	18.20	1.365	0.805	/
	Level1	N/A			0	21350	2560	100	LOW	0.14	0.633	16.82	18.20	1.374	**0.870**	27#
	Level1	N/A		Right Tilt	0	21350	2560	1	MID	-0.03	0.452	16.75	18.20	1.396	0.631	/
	Level1	N/A			0	21350	2560	50	LOW	-0.01	0.470	16.86	18.20	1.361	0.639	/
Ant.1	Level2&3	N/A	QPSK	Left Cheek	0	21350	2560	1	MID	-0.05	0.130	15.88	17.20	1.355	0.176	/
	Level2&3	N/A			0	21350	2560	50	MID	0.10	0.141	15.98	17.20	1.324	0.186	/
	Level2&3	N/A		Left Tilt	0	21350	2560	1	MID	-0.08	0.125	15.88	17.20	1.355	0.169	/
	Level2&3	N/A			0	21350	2560	50	MID	0.13	0.131	15.98	17.20	1.324	0.173	/
	Level2&3	N/A		Right Cheek	0	21350	2560	1	MID	0.11	0.415	15.88	17.20	1.355	0.563	/
	Level2&3	N/A			0	21350	2560	50	MID	-0.10	0.447	15.98	17.20	1.324	0.593	/
	Level2&3	N/A		Right Tilt	0	21350	2560	1	MID	-0.12	0.344	15.88	17.20	1.355	0.466	/
	Level2&3	N/A			0	21350	2560	50	MID	0.01	0.365	15.98	17.20	1.324	0.484	/
Ant.1 (Only For ENDC)	Level1	N/A	QPSK	Left Cheek	0	21350	2560	1	MID	-0.19	0.100	15.47	15.70	1.054	0.105	/
	Level1	N/A			0	21350	2560	50	HIGH	0.13	0.136	15.34	15.70	1.086	0.148	/
	Level1	N/A		Left Tilt	0	21350	2560	1	MID	0.08	0.096	15.47	15.70	1.054	0.101	/
	Level1	N/A			0	21350	2560	50	HIGH	0.07	0.150	15.34	15.70	1.086	0.163	/
	Level1	N/A		Right Cheek	0	21350	2560	1	MID	0.19	0.274	15.47	15.70	1.054	0.289	/
	Level1	N/A			0	21350	2560	50	HIGH	0.02	0.375	15.34	15.70	1.086	0.407	/
	Level1	N/A		Right Tilt	0	21350	2560	1	MID	-0.03	0.267	15.47	15.70	1.054	0.282	/
	Level1	N/A			0	21350	2560	50	HIGH	0.00	0.428	15.34	15.70	1.086	0.465	/
Ant.1 (Only For ENDC)	Level2&3	N/A	QPSK	Left Cheek	0	21350	2560	1	MID	0.14	0.071	14.64	15.20	1.138	0.081	/
	Level2&3	N/A			0	21350	2560	50	MID	-0.02	0.096	14.65	15.20	1.135	0.109	/
	Level2&3	N/A		Left Tilt	0	21350	2560	1	MID	0.17	0.068	14.64	15.20	1.138	0.077	/
	Level2&3	N/A			0	21350	2560	50	MID	-0.04	0.106	14.65	15.20	1.135	0.121	/
	Level2&3	N/A		Right Cheek	0	21350	2560	1	MID	0.13	0.194	14.64	15.20	1.138	0.221	/
	Level2&3	N/A			0	21350	2560	50	MID	0.08	0.265	14.65	15.20	1.135	0.301	/
	Level2&3	N/A		Right Tilt	0	21350	2560	1	MID	0.02	0.189	14.64	15.20	1.138	0.215	/
	Level2&3	N/A			0	21350	2560	50	MID	0.10	0.303	14.65	15.20	1.135	0.344	/
Ant.3 (Only For ENDC)	Level1&2&3	N/A	QPSK	Left Cheek	0	21350	2560	1	HIGH	0.09	0.308	20.33	22.00	1.469	0.452	/
	Level1&2&3	N/A			0	20850	2510	50	HIGH	-0.18	0.272	20.26	21.00	1.186	0.323	/
	Level1&2&3	N/A		Left Tilt	0	21350	2560	1	HIGH	0.05	0.103	20.33	22.00	1.469	0.151	/
	Level1&2&3	N/A			0	20850	2510	50	HIGH	0.09	0.063	20.26	21.00	1.186	0.075	/
	Level1&2&3	N/A		Right Cheek	0	21350	2560	1	HIGH	-0.07	0.153	20.33	22.00	1.469	0.225	/

	Level1&2&3	N/A			0	20850	2510	50	HIGH	-0.12	0.135	20.26	21.00	1.186	0.160	/
	Level1&2&3	N/A		Right Tilt	0	21350	2560	1	HIGH	-0.05	0.057	20.33	22.00	1.469	0.084	/
	Level1&2&3	N/A			0	20850	2510	50	HIGH	-0.16	0.054	20.26	21.00	1.186	0.064	/
Ant.4 (Only For ENDC)	Level1	N/A	QPSK	Left Cheek	0	20850	2510	1	HIGH	0.11	0.179	18.83	19.00	1.040	0.186	/
	Level1	N/A			0	21100	2535	50	LOW	-0.03	0.133	18.89	19.00	1.026	0.137	/
	Level1	N/A		Left Tilt	0	20850	2510	1	HIGH	-0.14	0.083	18.83	19.00	1.040	0.086	/
	Level1	N/A			0	21100	2535	50	LOW	0.01	0.069	18.89	19.00	1.026	0.071	/
	Level1	N/A		Right Cheek	0	20850	2510	1	HIGH	0.13	0.405	18.83	19.00	1.040	0.421	/
	Level1	N/A			0	21100	2535	50	LOW	-0.07	0.284	18.89	19.00	1.026	0.291	/
	Level1	N/A		Right Tilt	0	20850	2510	1	HIGH	-0.09	0.151	18.83	19.00	1.040	0.157	/
	Level1	N/A			0	21100	2535	50	LOW	0.16	0.126	18.89	19.00	1.026	0.129	/
Ant.4 (Only For ENDC)	Level2&3	N/A	QPSK	Left Cheek	0	20850	2510	1	HIGH	-0.01	0.160	18.41	18.50	1.021	0.163	/
	Level2&3	N/A			0	21100	2535	50	LOW	0.01	0.119	18.49	18.50	1.002	0.119	/
	Level2&3	N/A		Left Tilt	0	20850	2510	1	HIGH	0.08	0.074	18.41	18.50	1.021	0.075	/
	Level2&3	N/A			0	21100	2535	50	LOW	0.07	0.061	18.49	18.50	1.002	0.062	/
	Level2&3	N/A		Right Cheek	0	20850	2510	1	HIGH	0.18	0.361	18.41	18.50	1.021	0.368	/
	Level2&3	N/A			0	21100	2535	50	LOW	-0.02	0.253	18.49	18.50	1.002	0.254	/
	Level2&3	N/A		Right Tilt	0	20850	2510	1	HIGH	0.17	0.134	18.41	18.50	1.021	0.137	/
	Level2&3	N/A			0	21100	2535	50	LOW	0.17	0.112	18.49	18.50	1.002	0.113	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	20850	2510	1	MID	-0.09	0.149	22.28	24.00	1.486	0.221	/
	Level1&2&3	N/A			0	21350	2560	50	HIGH	0.10	0.132	21.43	23.00	1.435	0.189	/
	Level1&2&3	N/A		Left Tilt	0	20850	2510	1	MID	-0.03	0.099	22.28	24.00	1.486	0.147	/
	Level1&2&3	N/A			0	21350	2560	50	HIGH	-0.04	0.077	21.43	23.00	1.435	0.111	/
	Level1&2&3	N/A		Right Cheek	0	20850	2510	1	MID	-0.13	0.235	22.28	24.00	1.486	0.349	/
	Level1&2&3	N/A			0	21350	2560	50	HIGH	-0.15	0.195	21.43	23.00	1.435	0.280	/
	Level1&2&3	N/A		Right Tilt	0	20850	2510	1	MID	-0.11	0.132	22.28	24.00	1.486	0.196	/
	Level1&2&3	N/A			0	21350	2560	50	HIGH	-0.11	0.095	21.43	23.00	1.435	0.136	/
Body-worn Accessory																
Ant.1	Level4	OFF	QPSK	Front Side	15	21100	2535	1	MID	0.09	0.228	22.67	23.70	1.268	0.289	/
	Level4	ON2			15	21350	2560	50	HIGH	0.10	0.196	21.76	22.70	1.242	0.243	/
	Level4	OFF		Back Side	15	21100	2535	1	MID	-0.02	0.238	22.67	23.70	1.268	0.302	/
	Level4	OFF			15	21350	2560	50	HIGH	0.11	0.263	21.76	22.70	1.242	0.327	/
Ant.3 (Only For ENDC)	Level4	N/A	QPSK	Front Side	15	21100	2535	1	HIGH	0.19	0.055	20.33	22.00	1.469	0.081	/
	Level4	N/A			15	20850	2510	50	HIGH	-0.01	0.041	20.26	21.00	1.186	0.049	/
	Level4	N/A		Back Side	15	21100	2535	1	HIGH	0.14	0.117	20.33	22.00	1.469	0.172	/
	Level4	N/A			15	20850	2510	50	HIGH	0.06	0.087	20.26	21.00	1.186	0.104	/
Ant.4 (Only For ENDC)	Level4	N/A	QPSK	Front Side	15	21100	2535	1	HIGH	0.03	0.090	21.37	22.00	1.156	0.104	/
	Level4	N/A			15	21100	2535	50	LOW	-0.18	0.065	21.35	22.00	1.161	0.075	/
	Level4	N/A		Back Side	15	21100	2535	1	HIGH	0.07	0.188	21.37	22.00	1.156	0.217	/
	Level4	N/A			15	21100	2535	50	LOW	-0.05	0.150	21.35	22.00	1.161	0.174	/
Ant.0	Level4	OFF	QPSK	Front Side	15	20850	2510	1	MID	0.18	0.173	22.28	24.00	1.486	0.257	/
	Level4	OFF			15	21350	2560	50	HIGH	0.14	0.182	21.43	23.00	1.435	0.261	/
	Level4	OFF		Back Side	15	20850	2510	1	MID	0.02	0.314	22.28	24.00	1.486	**0.467**	28#
	Level4	OFF			15	21350	2560	50	HIGH	0.11	0.234	21.43	23.00	1.435	0.336	/

Ant.0 (Only For ENDC)	Level4	OFF	QPSK	Front Side	15	20850	2510	1	MID	-0.17	0.107	22.28	24.00	1.486	0.159	/
	Level4	OFF			15	21350	2560	50	HIGH	-0.04	0.122	21.43	23.00	1.435	0.175	/
	Level4	OFF		Back Side	15	20850	2510	1	MID	0.02	0.204	22.28	24.00	1.486	0.303	/
	Level4	OFF			15	21350	2560	50	HIGH	0.11	0.208	21.43	23.00	1.435	0.299	/
Hotspot																
Ant.1	Level5&6	OFF	QPSK	Front Side	10	21350	2560	1	MID	-0.13	0.481	22.67	23.70	1.268	0.610	/
	Level5&6	OFF			10	21350	2560	50	LOW	-0.09	0.441	21.76	22.70	1.242	0.548	/
	Level5&6	ON2		Back Side	10	21350	2560	1	MID	0.04	0.348	21.06	22.20	1.300	0.452	/
	Level5&6	ON2			10	21350	2560	50	LOW	-0.14	0.336	21.17	22.20	1.268	0.426	/
	Level5&6	OFF		Right Edge	10	21100	2535	1	MID	0.13	0.363	22.67	23.70	1.268	0.460	/
	Level5&6	OFF			10	21350	2560	50	HIGH	0.12	0.371	21.76	22.70	1.242	0.461	/
	Level5&6	ON2		Top Edge	10	21350	2560	1	MID	0.05	0.309	21.06	22.20	1.300	0.401	/
	Level5&6	ON2			10	21350	2560	50	LOW	-0.15	0.304	21.17	22.20	1.268	0.386	/
Ant.3 (Only For ENDC)	Level5&6	N/A	QPSK	Front Side	10	21100	2535	1	HIGH	-0.17	0.093	20.33	22.00	1.469	0.137	/
	Level5&6	N/A			10	21350	2560	50	HIGH	-0.16	0.066	20.26	21.00	1.186	0.078	/
	Level5&6	N/A		Back Side	10	21100	2535	1	HIGH	0.03	0.247	20.33	22.00	1.469	0.363	/
	Level5&6	N/A			10	21350	2560	50	HIGH	0.00	0.173	20.26	21.00	1.186	0.205	/
	Level5&6	N/A		Left Edge	10	21100	2535	1	HIGH	-0.04	0.051	20.33	22.00	1.469	0.075	/
	Level5&6	N/A			10	21350	2560	50	HIGH	0.10	0.046	20.26	21.00	1.186	0.055	/
	Level5&6	N/A		Top Edge	10	21100	2535	1	HIGH	0.04	0.023	20.33	22.00	1.469	0.034	/
	Level5&6	N/A			10	21350	2560	50	HIGH	-0.17	0.016	20.26	21.00	1.186	0.019	/
Ant.4 (Only For ENDC)	Level5&6	N/A	QPSK	Front Side	10	21350	2560	1	MID	-0.15	0.132	20.48	21.00	1.127	0.149	/
	Level5&6	N/A			10	21350	2560	50	MID	0.19	0.102	20.45	21.00	1.135	0.115	/
	Level5&6	N/A		Back Side	10	21350	2560	1	MID	-0.19	0.317	20.48	21.00	1.127	0.357	/
	Level5&6	N/A			10	21350	2560	50	MID	0.09	0.265	20.45	21.00	1.135	0.300	/
	Level5&6	N/A		Right Edge	10	21350	2560	1	MID	-0.18	0.183	20.48	21.00	1.127	0.206	/
	Level5&6	N/A			10	21350	2560	50	MID	-0.06	0.145	20.45	21.00	1.135	0.164	/
	Level5&6	N/A		Top Edge	10	21350	2560	1	MID	0.00	0.048	20.48	21.00	1.127	0.054	/
	Level5&6	N/A			10	21350	2560	50	MID	-0.01	0.042	20.45	21.00	1.135	0.047	/
Ant.0	Level5&6	ON1	QPSK	Front Side	10	21350	2560	1	MID	-0.14	0.301	21.88	22.50	1.153	0.347	/
	Level5&6	ON1			10	21350	2560	50	MID	-0.12	0.307	21.96	22.50	1.132	0.348	/
	Level5&6	ON1		Back Side	10	21350	2560	1	MID	0.13	0.536	21.88	22.50	1.153	0.619	/
	Level5&6	ON1			10	21350	2560	50	MID	-0.15	0.549	21.96	22.50	1.132	**0.622**	29#
	Level5&6	OFF		Left Edge	10	20850	2510	1	MID	-0.03	0.166	22.28	24.00	1.486	0.247	/
	Level5&6	OFF			10	21350	2560	50	HIGH	-0.02	0.143	21.43	23.00	1.435	0.205	/
	Level5&6	OFF		Right Edge	10	21350	2560	1	MID	-0.09	0.185	22.28	24.00	1.486	0.275	/
	Level5&6	OFF			10	21350	2560	50	HIGH	-0.19	0.166	21.43	23.00	1.435	0.238	/
	Level5&6	ON1		Bottom Edge	10	21350	2560	1	MID	0.06	0.339	21.88	22.50	1.153	0.391	/
	Level5&6	ON1			10	21350	2560	50	MID	-0.11	0.345	21.96	22.50	1.132	0.390	/
Ant.0 (Only For ENDC)	Level5&6	ON1	QPSK	Front Side	10	21100	2535	1	LOW	-0.11	0.168	19.30	20.50	1.318	0.221	/
	Level5&6	ON1			10	21350	2560	50	MID	-0.14	0.141	19.28	20.50	1.324	0.187	/
	Level5&6	ON1		Back Side	10	21100	2535	1	LOW	0.01	0.282	19.30	20.50	1.318	0.372	/
	Level5&6	ON1			10	21350	2560	50	MID	-0.07	0.267	19.28	20.50	1.324	0.354	/
	Level5&6	OFF		Left Edge	10	20850	2510	1	MID	-0.19	0.103	22.28	24.00	1.486	0.153	/
	Level5&6	OFF			10	21350	2560	50	HIGH	0.13	0.107	21.43	23.00	1.435	0.154	/

	Level5&6	OFF		Right Edge	10	21350	2560	1	LOW	0.01	0.102	22.28	24.00	1.486	0.152	/
	Level5&6	OFF			10	21350	2560	50	MID	0.05	0.089	21.43	23.00	1.435	0.128	/
	Level5&6	ON1		Bottom Edge	10	21100	2535	1	LOW	0.11	0.197	19.30	20.50	1.318	0.260	/
	Level5&6	ON1			10	21350	2560	50	MID	0.13	0.201	19.28	20.50	1.324	0.267	/
P-sensor Off																
Ant.1	Full	OFF	QPSK	Back Side	14	21100	2535	1	MID	-0.10	0.253	22.67	23.70	1.268	0.321	/
	Full	OFF		Top Edge	13	21350	2560	1	MID	-0.02	0.281	22.67	23.70	1.268	0.356	/
Ant.0	Full	OFF	QPSK	Front Side	13	21100	2535	1	MID	-0.06	0.263	22.34	24.00	1.466	0.385	/
	Full	OFF		Back Side	11	21100	2535	1	MID	-0.14	0.644	22.34	24.00	1.466	0.944	/
	Full	OFF		Bottom Edge	14.5	21350	2560	1	MID	-0.15	0.346	22.34	24.00	1.466	0.507	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.10 LTE Band 7 (10MHz Bandwidth) Worse case for CA Test

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	N/A	QPSK	Right Tilt	0	21100 +21298	2535 +2554.8	1+1	High +Low	-0.13	0.389	16.35	18.20	1.531	**0.596**	76#
Body-worn Accessory																
Ant.0	Level4	ON1	QPSK	Back Side	15	21100 +21298	2535 +2554.8	1+1	High +Low	-0.03	0.246	22.41	23.00	1.146	**0.282**	77#
Hotspot																
Ant.0	Level5&6	ON1	QPSK	Back Side	10	21100 +21298	2535 +2554.8	1+1	High +Low	**0.13**	**0.524**	22.41	23.00	1.146	**0.600**	78#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.11 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	N/A	QPSK	Left Cheek	0	23060	704	1	HIGH	0.14	0.294	23.90	24.50	1.148	0.338	/
	Level1	N/A			0	23060	704	25	HIGH	-0.01	0.241	22.91	23.50	1.146	0.276	/
	Level1	N/A		Left Tilt	0	23060	704	1	HIGH	-0.17	0.285	23.90	24.50	1.148	0.327	/
	Level1	N/A			0	23060	704	25	HIGH	-0.07	0.230	22.91	23.50	1.146	0.264	/
	Level1	N/A		Right Cheek	0	23060	704	1	HIGH	-0.07	0.541	23.90	24.50	1.148	**0.621**	30#
	Level1	N/A			0	23060	704	25	HIGH	-0.19	0.459	22.91	23.50	1.146	0.526	/
	Level1	N/A		Right Tilt	0	23060	704	1	HIGH	-0.08	0.454	23.90	24.50	1.148	0.521	/
	Level1	N/A			0	23060	704	25	HIGH	-0.04	0.362	22.91	23.50	1.146	0.415	/
Ant.1	Level2&3	N/A	QPSK	Left Cheek	0	23060	704	1	HIGH	0.10	0.264	23.30	24.00	1.175	0.310	/
	Level2&3	N/A			0	23060	704	25	HIGH	0.04	0.242	22.81	23.50	1.172	0.283	/
	Level2&3	N/A		Left Tilt	0	23060	704	1	HIGH	0.10	0.248	23.30	24.00	1.175	0.291	/
	Level2&3	N/A			0	23060	704	25	HIGH	-0.11	0.226	22.81	23.50	1.172	0.265	/
	Level2&3	N/A		Right Cheek	0	23060	704	1	HIGH	0.17	0.419	23.30	24.00	1.175	0.493	/
	Level2&3	N/A			0	23060	704	25	HIGH	-0.09	0.380	22.81	23.50	1.172	0.446	/
	Level2&3	N/A		Right Tilt	0	23060	704	1	HIGH	-0.10	0.337	23.30	24.00	1.175	0.396	/
	Level2&3	N/A			0	23060	704	25	HIGH	-0.09	0.302	22.81	23.50	1.172	0.354	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	23060	704	1	HIGH	-0.02	0.088	24.09	24.80	1.178	0.104	/
	Level1&2&3	N/A			0	23060	704	25	HIGH	0.08	0.070	23.10	23.80	1.175	0.082	/
	Level1&2&3	N/A		Left Tilt	0	23060	704	1	HIGH	-0.13	0.029	24.09	24.80	1.178	0.034	/
	Level1&2&3	N/A			0	23060	704	25	HIGH	-0.17	0.022	23.10	23.80	1.175	0.026	/
	Level1&2&3	N/A		Right Cheek	0	23060	704	1	HIGH	-0.02	0.069	24.09	24.80	1.178	0.081	/
	Level1&2&3	N/A			0	23060	704	25	HIGH	0.19	0.057	23.10	23.80	1.175	0.067	/
	Level1&2&3	N/A		Right Tilt	0	23060	704	1	HIGH	-0.02	0.045	24.09	24.80	1.178	0.053	/
	Level1&2&3	N/A			0	23060	704	25	HIGH	-0.01	0.032	23.10	23.80	1.175	0.038	/
Body-worn Accessory																
Ant.1	Level4	OFF	QPSK	Front Side	15	23060	704	1	HIGH	-0.12	0.156	23.90	24.50	1.148	0.180	/
	Level4	OFF			15	23060	704	25	HIGH	-0.14	0.128	22.91	23.50	1.146	0.146	/
	Level4	ON2		Back Side	15	23060	704	1	HIGH	0.05	0.192	23.90	24.50	1.148	**0.220**	31#
	Level4	ON2			15	23060	704	25	HIGH	0.10	0.156	22.91	23.50	1.146	0.179	/
Ant.0	Level4	OFF	QPSK	Front Side	15	23060	704	1	HIGH	-0.10	0.123	24.09	24.80	1.178	0.145	/
	Level4	OFF			15	23060	704	25	HIGH	0.01	0.095	23.10	23.80	1.175	0.112	/
	Level4	OFF		Back Side	15	23060	704	1	HIGH	-0.10	0.168	24.09	24.80	1.178	0.197	/
	Level4	OFF			15	23060	704	25	HIGH	0.06	0.131	23.10	23.80	1.175	0.154	/
Hotspot																
Ant.1	Level5&6	OFF	QPSK	Front Side	10	23060	704	1	HIGH	0.14	0.132	23.90	24.50	1.148	0.152	/
	Level5&6	OFF			10	23060	704	25	HIGH	0.14	0.109	22.91	23.50	1.146	0.125	/
	Level5&6	ON2		Back Side	10	23060	704	1	HIGH	0.17	0.186	23.90	24.50	1.148	0.214	/
	Level5&6	ON2			10	23060	704	25	HIGH	0.11	0.153	22.91	23.50	1.146	0.176	/
	Level5&6	OFF		Right Edge	10	23060	704	1	HIGH	0.11	0.199	23.90	24.50	1.148	**0.228**	32#
	Level5&6	OFF			10	23060	704	25	HIGH	0.09	0.159	22.91	23.50	1.146	0.182	/

	Level5&6	ON2		Top Edge	10	23060	704	1	HIGH	0.19	0.103	23.90	24.50	1.148	0.118	/
	Level5&6	ON2			10	23060	704	25	HIGH	-0.05	0.082	22.91	23.50	1.146	0.093	/
Ant.0	Level5&6	ON1	QPSK	Front Side	10	23060	704	1	HIGH	0.05	0.107	24.09	24.80	1.178	0.126	/
	Level5&6	ON1			10	23060	704	25	HIGH	-0.15	0.084	23.10	23.80	1.175	0.098	/
	Level5&6	ON1		Back Side	10	23060	704	1	HIGH	-0.17	0.161	24.09	24.80	1.178	0.189	/
	Level5&6	ON1			10	23060	704	25	HIGH	-0.11	0.125	23.10	23.80	1.175	0.147	/
	Level5&6	OFF		Left Edge	10	23060	704	1	HIGH	0.11	0.098	24.09	24.80	1.178	0.116	/
	Level5&6	OFF			10	23060	704	25	HIGH	-0.11	0.076	23.10	23.80	1.175	0.090	/
	Level5&6	OFF		Right Edge	10	23060	704	1	HIGH	0.07	0.160	24.09	24.80	1.178	0.188	/
	Level5&6	OFF			10	23060	704	25	HIGH	-0.04	0.123	23.10	23.80	1.175	0.144	/
	Level5&6	ON1		Bottom Edge	10	23060	704	1	HIGH	0.07	0.072	24.09	24.80	1.178	0.085	/
	Level5&6	ON1			10	23060	704	25	HIGH	0.16	0.057	23.10	23.80	1.175	0.067	/

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

11.12 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	N/A	QPSK	Left Cheek	0	26765	821.5	1	HIGH	0.06	0.480	23.12	24.00	1.225	0.588	/
	Level1	N/A			0	26765	831.5	36	HIGH	0.08	0.446	22.59	23.50	1.233	0.550	/
	Level1	N/A		Left Tilt	0	26765	821.5	1	HIGH	0.12	0.424	23.12	24.00	1.225	0.520	/
	Level1	N/A			0	26765	821.5	36	HIGH	-0.06	0.395	22.59	23.50	1.233	0.487	/
	Level1	N/A		Right Cheek	0	26765	821.5	1	HIGH	0.15	0.768	23.12	24.00	1.225	0.940	/
	Level1	N/A			0	26865	831.5	1	LOW	0.09	0.818	22.91	24.00	1.285	1.051	/
	Level1	N/A			0	26965	841.5	1	LOW	-0.07	0.826	22.94	24.00	1.276	**1.054**	33#
	Level1	N/A			0	26765	821.5	36	HIGH	-0.14	0.707	22.59	23.50	1.233	0.872	/
	Level1	N/A			0	26865	831.5	36	MID	0.02	0.754	22.51	23.50	1.256	0.947	/
	Level1	N/A			0	26965	841.5	36	MID	0.06	0.705	22.44	23.50	1.276	0.900	/
	Level1	N/A			0	26765	821.5	75	LOW	0.10	0.747	22.55	23.50	1.245	0.930	/
	Level1	N/A		Right Tilt	0	26765	821.5	1	HIGH	-0.11	0.598	23.12	24.00	1.225	0.732	/
	Level1	N/A			0	26765	821.5	36	HIGH	0.18	0.551	22.59	23.50	1.233	0.679	/
Ant.1	Level2&3	N/A	QPSK	Left Cheek	0	26765	821.5	1	HIGH	0.01	0.452	22.26	23.00	1.186	0.536	/
	Level2&3	N/A			0	26765	821.5	36	HIGH	-0.13	0.474	22.20	23.00	1.202	0.570	/
	Level2&3	N/A		Left Tilt	0	26765	821.5	1	HIGH	-0.11	0.414	22.26	23.00	1.186	0.491	/
	Level2&3	N/A			0	26765	821.5	36	HIGH	0.18	0.432	22.20	23.00	1.202	0.519	/
	Level2&3	N/A		Right Cheek	0	26765	821.5	1	HIGH	0.06	0.638	22.26	23.00	1.186	0.757	/
	Level2&3	N/A			0	26765	821.5	36	HIGH	0.13	0.652	22.20	23.00	1.202	0.784	/
	Level2&3	N/A		Right Tilt	0	26765	821.5	1	HIGH	-0.08	0.575	22.26	23.00	1.186	0.682	/
	Level2&3	N/A			0	26765	821.5	36	HIGH	0.12	0.599	22.20	23.00	1.202	0.720	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	26765	821.5	1	MID	0.19	0.120	23.86	24.80	1.242	0.149	/
	Level1&2&3	N/A			0	26765	821.5	36	HIGH	0.10	0.102	22.82	23.80	1.253	0.128	/
	Level1&2&3	N/A		Left Tilt	0	26765	821.5	1	MID	0.14	0.062	23.86	24.80	1.242	0.077	/
	Level1&2&3	N/A			0	26765	821.5	36	HIGH	-0.04	0.054	22.82	23.80	1.253	0.068	/
	Level1&2&3	N/A		Right Cheek	0	26765	821.5	1	MID	0.17	0.095	23.86	24.80	1.242	0.118	/
	Level1&2&3	N/A			0	26765	821.5	36	HIGH	-0.08	0.080	22.82	23.80	1.253	0.100	/
	Level1&2&3	N/A		Right Tilt	0	26765	821.5	1	MID	-0.17	0.061	23.86	24.80	1.242	0.076	/
	Level1&2&3	N/A			0	26765	821.5	36	HIGH	-0.09	0.053	22.82	23.80	1.253	0.066	/
Body-worn Accessory																
Ant.1	Level4	OFF	QPSK	Front Side	15	26765	821.5	1	MID	-0.18	0.149	23.71	24.50	1.199	0.178	/
	Level4	OFF			15	26765	821.5	36	MID	-0.02	0.124	22.72	23.50	1.197	0.148	/
	Level4	ON2		Back Side	15	26765	821.5	1	MID	0.02	0.177	23.71	24.50	1.199	**0.212**	34#
	Level4	ON2			15	26765	821.5	36	MID	0.13	0.149	22.72	23.50	1.197	0.178	/
Ant.0	Level4	OFF	QPSK	Front Side	15	26765	821.5	1	MID	0.16	0.130	23.86	24.80	1.242	0.161	/
	Level4	OFF			15	26765	821.5	36	HIGH	-0.11	0.104	22.82	23.80	1.253	0.131	/
	Level4	OFF		Back Side	15	26765	821.5	1	MID	0.19	0.162	23.86	24.80	1.242	0.201	/
	Level4	OFF			15	26765	821.5	36	HIGH	-0.11	0.139	22.82	23.80	1.253	0.174	/
Hotspot																
Ant.1	Level5&6	OFF	QPSK	Front Side	10	26765	821.5	1	MID	-0.14	0.148	23.71	24.50	1.199	0.178	/

	Level5&6	OFF			10	26765	821.5	36	MID	0.05	0.128	22.72	23.50	1.197	0.153	/
	Level5&6	ON2		Back Side	10	26765	821.5	1	MID	-0.16	0.178	23.71	24.50	1.199	**0.214**	35#
	Level5&6	ON2			10	26765	821.5	36	MID	0.01	0.156	22.72	23.50	1.197	0.187	/
	Level5&6	OFF		Right Edge	10	26765	821.5	1	MID	-0.10	0.116	23.71	24.50	1.199	0.139	/
	Level5&6	OFF			10	26765	821.5	36	MID	-0.05	0.098	22.72	23.50	1.197	0.117	/
	Level5&6	ON2		Top Edge	10	26765	821.5	1	MID	0.11	0.168	23.71	24.50	1.199	0.202	/
	Level5&6	ON2			10	26765	821.5	36	MID	-0.19	0.151	22.72	23.50	1.197	0.181	/
Ant.0	Level5&6	ON1	QPSK	Front Side	10	26765	821.5	1	MID	0.01	0.111	23.86	24.80	1.242	0.138	/
	Level5&6	ON1			10	26765	821.5	36	HIGH	0.17	0.088	22.82	23.80	1.253	0.110	/
	Level5&6	ON1		Back Side	10	26765	821.5	1	MID	-0.16	0.171	23.86	24.80	1.242	0.212	/
	Level5&6	ON1			10	26765	821.5	36	HIGH	-0.02	0.143	22.82	23.80	1.253	0.179	/
	Level5&6	OFF		Left Edge	10	26765	821.5	1	MID	-0.08	0.071	23.86	24.80	1.242	0.088	/
	Level5&6	OFF			10	26765	821.5	36	HIGH	-0.06	0.058	22.82	23.80	1.253	0.073	/
	Level5&6	OFF		Right Edge	10	26765	821.5	1	MID	0.12	0.120	23.86	24.80	1.242	0.149	/
	Level5&6	OFF			10	26765	821.5	36	HIGH	0.07	0.098	22.82	23.80	1.253	0.123	/
	Level5&6	ON1		Bottom Edge	10	26765	821.5	1	MID	-0.16	0.102	23.86	24.80	1.242	0.127	/
	Level5&6	ON1			10	26765	821.5	36	HIGH	-0.06	0.084	22.82	23.80	1.253	0.105	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.13 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	N/A	QPSK	Left Cheek	0	132322	1745	1	MID	0.19	0.317	16.12	17.20	1.282	0.406	/
	Level1	N/A			0	132322	1745	50	LOW	0.17	0.319	16.14	17.20	1.276	0.407	/
	Level1	N/A		Left Tilt	0	132322	1745	1	MID	-0.10	0.396	16.12	17.20	1.282	0.508	/
	Level1	N/A			0	132322	1745	50	LOW	-0.12	0.398	16.14	17.20	1.276	0.507	/
	Level1	N/A		Right Cheek	0	132322	1745	1	MID	0.08	0.508	16.12	17.20	1.282	0.651	/
	Level1	N/A			0	132322	1745	50	LOW	0.08	0.508	16.14	17.20	1.276	0.648	/
	Level1	N/A		Right Tilt	0	132322	1745	1	MID	-0.09	0.572	16.12	17.20	1.282	**0.733**	36#
	Level1	N/A			0	132322	1745	50	LOW	0.13	0.571	16.14	17.20	1.276	0.729	/
Ant.1	Level2&3	N/A	QPSK	Left Cheek	0	132322	1745	1	MID	0.02	0.265	15.13	16.20	1.279	0.339	/
	Level2&3	N/A			0	132322	1745	50	MID	-0.13	0.268	15.18	16.20	1.265	0.339	/
	Level2&3	N/A		Left Tilt	0	132322	1745	1	MID	0.04	0.334	15.13	16.20	1.279	0.427	/
	Level2&3	N/A			0	132322	1745	50	MID	0.13	0.336	15.18	16.20	1.265	0.425	/
	Level2&3	N/A		Right Cheek	0	132322	1745	1	MID	0.15	0.452	15.13	16.20	1.279	0.578	/
	Level2&3	N/A			0	132322	1745	50	MID	-0.03	0.452	15.18	16.20	1.265	0.571	/
	Level2&3	N/A		Right Tilt	0	132322	1745	1	MID	-0.18	0.466	15.13	16.20	1.279	0.597	/
	Level2&3	N/A			0	132322	1745	50	MID	-0.05	0.465	15.18	16.20	1.265	0.589	/
Ant.3 (Only For ENDC)	Level1&2&3	N/A	QPSK	Left Cheek	0	132322	1745	1	MID	0.15	0.019	21.44	22.50	1.276	0.024	/
	Level1&2&3	N/A			0	132322	1745	50	LOW	0.19	0.012	20.48	21.50	1.265	0.015	/
	Level1&2&3	N/A		Left Tilt	0	132322	1745	1	MID	0.02	0.008	21.44	22.50	1.276	0.010	/
	Level1&2&3	N/A			0	132322	1745	50	LOW	0.16	0.006	20.48	21.50	1.265	0.008	/
	Level1&2&3	N/A		Right Cheek	0	132322	1745	1	MID	-0.19	0.027	21.44	22.50	1.276	0.034	/
	Level1&2&3	N/A			0	132322	1745	50	LOW	0.16	0.021	20.48	21.50	1.265	0.027	/
	Level1&2&3	N/A		Right Tilt	0	132322	1745	1	MID	0.05	0.011	21.44	22.50	1.276	0.014	/
	Level1&2&3	N/A			0	132322	1745	50	LOW	0.10	0.008	20.48	21.50	1.265	0.010	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	132322	1745	1	MID	-0.1	0.065	23.45	24.50	1.274	0.082	/
	Level1&2&3	N/A			0	132572	1770	50	MID	0.13	0.058	22.55	23.50	1.245	0.073	/
	Level1&2&3	N/A		Left Tilt	0	132322	1745	1	MID	0.02	0.034	23.45	24.50	1.274	0.043	/
	Level1&2&3	N/A			0	132572	1770	50	MID	-0.04	0.029	22.55	23.50	1.245	0.036	/
	Level1&2&3	N/A		Right Cheek	0	132322	1745	1	MID	-0.17	0.052	23.45	24.50	1.274	0.066	/
	Level1&2&3	N/A			0	132572	1770	50	MID	0.02	0.047	22.55	23.50	1.245	0.058	/
	Level1&2&3	N/A		Right Tilt	0	132322	1745	1	MID	-0.01	0.046	23.45	24.50	1.274	0.058	/
	Level1&2&3	N/A			0	132572	1770	50	MID	0.05	0.041	22.55	23.50	1.245	0.051	/
Body-worn Accessory																
Ant.1	Level4	OFF	QPSK	Front Side	15	132072	1720	1	MID	0.09	0.211	23.34	24.20	1.219	0.257	/
	Level4	OFF			15	132072	1720	50	MID	0.17	0.185	22.38	23.20	1.208	0.223	/
	Level4	ON2		Back Side	15	132072	1720	1	MID	-0.15	0.119	23.34	24.20	1.219	0.145	/
	Level4	ON2			15	132072	1720	50	MID	-0.12	0.125	22.38	23.20	1.208	0.151	/
Ant.3 (Only For ENDC)	Level4	N/A	QPSK	Front Side	15	132322	1745	1	MID	-0.04	0.013	21.44	22.50	1.276	0.017	/
	Level4	N/A			15	132322	1745	50	LOW	-0.09	0.009	20.48	21.50	1.265	0.011	/
	Level4	N/A		Back Side	15	132322	1745	1	MID	0.07	0.017	21.44	22.50	1.276	0.021	/

	Level4	N/A			15	132322	1745	50	LOW	-0.09	0.013	20.48	21.50	1.265	0.016	/
Ant.0	Level4	OFF	QPSK	Front Side	15	132322	1745	1	HIGH	-0.02	0.145	23.45	24.50	1.274	0.185	/
	Level4	OFF			15	132572	1770	50	MID	0.03	0.123	22.55	23.50	1.245	0.153	/
	Level4	OFF		Back Side	15	132322	1745	1	HIGH	0.19	0.250	23.45	24.50	1.274	**0.318**	37#
	Level4	OFF			15	132572	1770	50	MID	0.09	0.216	22.55	23.50	1.245	0.269	/
Ant.0 (Only For ENDC)	Level4	OFF	QPSK	Front Side	15	132322	1745	1	HIGH	-0.04	0.072	23.45	24.50	1.274	0.092	/
	Level4	OFF			15	132572	1770	50	MID	0.07	0.073	22.55	23.50	1.245	0.091	/
	Level4	OFF		Back Side	15	132322	1745	1	HIGH	-0.14	0.140	23.45	24.50	1.274	0.179	/
	Level4	OFF			15	132572	1770	50	MID	-0.17	0.144	22.55	23.50	1.245	0.179	/
Hotspot																
Ant.1	Level5&6	OFF	QPSK	Front Side	10	132572	1770	1	MID	0.17	0.435	23.34	24.20	1.219	0.530	/
	Level5&6	OFF			10	132322	1745	50	MID	0.18	0.419	22.38	23.20	1.208	0.506	/
	Level5&6	ON2		Back Side	10	132572	1770	1	MID	0.04	0.334	20.32	20.70	1.091	0.365	/
	Level5&6	ON2			10	132322	1745	50	MID	0.00	0.309	20.35	20.70	1.084	0.335	/
	Level5&6	OFF		Right Edge	10	132072	1720	1	MID	-0.19	0.056	23.34	24.20	1.219	0.068	/
	Level5&6	OFF			10	132072	1720	50	MID	0.05	0.050	22.38	23.20	1.208	0.060	/
	Level5&6	ON2		Top Edge	10	132572	1770	1	MID	0.19	0.419	20.32	20.70	1.091	0.457	/
	Level5&6	ON2			10	132322	1745	50	MID	0.17	0.410	20.35	20.70	1.084	0.444	/
Ant.3 (Only For ENDC)	Level5&6	N/A	QPSK	Front Side	10	132322	1745	1	MID	0.11	0.022	21.44	22.50	1.276	0.028	/
	Level5&6	N/A			10	132322	1745	50	LOW	-0.12	0.016	20.48	21.50	1.265	0.020	/
	Level5&6	N/A		Back Side	10	132322	1745	1	MID	0.00	0.035	21.44	22.50	1.276	0.044	/
	Level5&6	N/A			10	132322	1745	50	LOW	-0.19	0.032	20.48	21.50	1.265	0.040	/
	Level5&6	N/A		Left Edge	10	132322	1745	1	MID	0.12	0.029	21.44	22.50	1.276	0.037	/
	Level5&6	N/A			10	132322	1745	50	LOW	0.08	0.021	20.48	21.50	1.265	0.027	/
	Level5&6	N/A		Top Edge	10	132322	1745	1	MID	0.03	0.019	21.44	22.50	1.276	0.024	/
	Level5&6	N/A			10	132322	1745	50	LOW	-0.12	0.015	20.48	21.50	1.265	0.019	/
Ant.0	Level5&6	ON1	QPSK	Front Side	10	132322	1745	1	HIGH	0.14	0.199	20.97	21.50	1.130	0.225	/
	Level5&6	ON1			10	132572	1770	50	MID	-0.04	0.191	21.03	21.50	1.114	0.213	/
	Level5&6	ON1		Back Side	10	132322	1745	1	HIGH	-0.03	0.377	20.97	21.50	1.130	0.426	/
	Level5&6	ON1			10	132572	1770	50	MID	0.05	0.351	21.03	21.50	1.114	0.391	/
	Level5&6	OFF		Left Edge	10	132322	1745	1	HIGH	-0.05	0.072	23.45	24.50	1.274	0.092	/
	Level5&6	OFF			10	132572	1770	50	MID	-0.11	0.076	22.55	23.50	1.245	0.095	/
	Level5&6	OFF		Right Edge	10	132322	1745	1	HIGH	0.09	0.125	23.45	24.50	1.274	0.159	/
	Level5&6	OFF			10	132572	1770	50	MID	-0.02	0.105	22.55	23.50	1.245	0.131	/
	Level5&6	ON1		Bottom Edge	10	132322	1745	1	HIGH	-0.09	0.475	20.97	21.50	1.130	**0.537**	38#
	Level5&6	ON1			10	132572	1770	50	MID	0.13	0.468	21.03	21.50	1.114	0.521	/
Ant.0 (Only For ENDC)	Level5&6	ON1	QPSK	Front Side	10	132322	1745	1	MID	-0.04	0.140	20.17	21.00	1.211	0.169	/
	Level5&6	ON1			10	132322	1745	50	MID	-0.11	0.147	20.30	21.00	1.175	0.173	/
	Level5&6	ON1		Back Side	10	132322	1745	1	MID	-0.11	0.270	20.17	21.00	1.211	0.327	/
	Level5&6	ON1			10	132322	1745	50	MID	-0.13	0.278	20.30	21.00	1.175	0.327	/
	Level5&6	OFF		Left Edge	10	132322	1745	1	HIGH	0.06	0.044	23.45	24.50	1.274	0.056	/
	Level5&6	OFF			10	132572	1770	50	MID	-0.10	0.043	22.55	23.50	1.245	0.054	/
	Level5&6	OFF		Right Edge	10	132322	1745	1	MID	0.15	0.068	23.45	24.50	1.274	0.087	/
	Level5&6	OFF			10	132322	1745	50	MID	-0.13	0.059	22.55	23.50	1.245	0.073	/

	Level5&6	ON1		Bottom Edge	10	132322	1745	1	MID	0.08	0.378	20.17	21.00	1.211	0.457	/
	Level5&6	ON1			10	132322	1745	50	MID	0.06	0.355	20.30	21.00	1.175	0.417	/
P-sensor Off																
Ant.1	Full	OFF	QPSK	Back Side	14	132322	1745	1	MID	0.18	0.372	23.32	24.20	1.225	0.456	/
	Full	OFF		Top Edge	13	132322	1745	1	MID	0.04	0.582	23.32	24.20	1.225	0.713	/
Ant.0	Full	OFF	QPSK	Front Side	13	132322	1745	1	MID	0.07	0.287	23.45	24.50	1.274	0.365	/
	Full	OFF		Back Side	11	132322	1745	1	MID	-0.06	0.633	23.45	24.50	1.274	0.806	/
	Full	OFF		Bottom Edge	14.5	132322	1745	1	MID	0.14	0.606	23.45	24.50	1.274	0.772	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.14 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	N/A	QPSK	Left Cheek	0	38150	2610	1	MID	0.10	0.220	18.88	19.70	1.208	0.266	/
	Level1	N/A			0	37850	2580	50	HIGH	0.10	0.219	18.84	19.70	1.219	0.267	/
	Level1	N/A		Left Tilt	0	38150	2610	1	MID	-0.05	0.210	18.88	19.70	1.208	0.254	/
	Level1	N/A			0	37850	2580	50	HIGH	-0.06	0.198	18.84	19.70	1.219	0.241	/
	Level1	N/A		Right Cheek	0	38150	2610	1	MID	0.11	0.602	18.88	19.70	1.208	0.727	/
	Level1	N/A			0	37850	2580	50	HIGH	0.12	0.606	18.84	19.70	1.219	**0.739**	39#
	Level1	N/A		Right Tilt	0	38150	2610	1	MID	0.02	0.566	18.88	19.70	1.208	0.684	/
	Level1	N/A			0	37850	2580	50	HIGH	0.18	0.544	18.84	19.70	1.219	0.663	/
Ant.1	Level2&3	N/A	QPSK	Left Cheek	0	38150	2610	1	MID	0.05	0.173	17.82	18.70	1.225	0.212	/
	Level2&3	N/A			0	37850	2580	50	HIGH	0.14	0.187	17.81	18.70	1.227	0.230	/
	Level2&3	N/A		Left Tilt	0	38150	2610	1	MID	-0.15	0.164	17.82	18.70	1.225	0.201	/
	Level2&3	N/A			0	37850	2580	50	HIGH	0.08	0.164	17.81	18.70	1.227	0.201	/
	Level2&3	N/A		Right Cheek	0	38150	2610	1	MID	0.04	0.536	17.82	18.70	1.225	0.656	/
	Level2&3	N/A			0	37850	2580	50	HIGH	0.14	0.519	17.81	18.70	1.227	0.637	/
	Level2&3	N/A		Right Tilt	0	38150	2610	1	MID	-0.14	0.442	17.82	18.70	1.225	0.541	/
	Level2&3	N/A			0	37850	2580	50	HIGH	0.10	0.419	17.81	18.70	1.227	0.514	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	38150	2610	1	MID	0.01	0.103	22.81	24.50	1.476	0.152	/
	Level1&2&3	N/A			0	38150	2610	50	HIGH	0.02	0.084	21.86	23.50	1.459	0.123	/
	Level1&2&3	N/A		Left Tilt	0	38150	2610	1	MID	-0.17	0.066	22.81	24.50	1.476	0.097	/
	Level1&2&3	N/A			0	38150	2610	50	HIGH	-0.06	0.054	21.86	23.50	1.459	0.079	/
	Level1&2&3	N/A		Right Cheek	0	38150	2610	1	MID	0.01	0.168	22.81	24.50	1.476	0.248	/
	Level1&2&3	N/A			0	38150	2610	50	HIGH	-0.02	0.132	21.86	23.50	1.459	0.193	/
	Level1&2&3	N/A		Right Tilt	0	38150	2610	1	MID	0.12	0.068	22.81	24.50	1.476	0.100	/
	Level1&2&3	N/A			0	38150	2610	50	HIGH	0.12	0.060	21.86	23.50	1.459	0.088	/
Body-worn Accessory																
Ant.1	Level4	OFF	QPSK	Front Side	15	38150	2610	1	MID	-0.02	0.194	23.42	24.20	1.197	0.232	/
	Level4	OFF			15	38000	2595	50	HIGH	0.03	0.151	22.39	23.20	1.205	0.182	/
	Level4	ON2		Back Side	15	38150	2610	1	MID	-0.02	0.149	23.42	24.20	1.197	0.178	/
	Level4	ON2			15	38000	2595	50	HIGH	-0.03	0.116	22.39	23.20	1.205	0.140	/
Ant.0	Level4	OFF	QPSK	Front Side	15	38150	2610	1	MID	-0.05	0.134	22.81	24.50	1.476	0.198	/
	Level4	OFF			15	38150	2610	50	HIGH	-0.10	0.112	21.86	23.50	1.459	0.163	/
	Level4	OFF		Back Side	15	38150	2610	1	MID	0.04	0.203	22.81	24.50	1.476	**0.300**	40#
	Level4	OFF			15	38150	2610	50	HIGH	-0.03	0.172	21.86	23.50	1.459	0.251	/
Hotspot																
Ant.1	Level5&6	OFF	QPSK	Front Side	10	38150	2610	1	MID	-0.16	0.368	23.42	24.20	1.197	0.440	/
	Level5&6	OFF			10	38150	2610	50	HIGH	-0.08	0.305	22.39	23.20	1.205	0.368	/
	Level5&6	ON2		Back Side	10	38150	2610	1	MID	0.04	0.367	23.42	24.20	1.197	0.439	/
	Level5&6	ON2			10	38150	2610	50	HIGH	0.03	0.274	22.39	23.20	1.205	0.330	/
	Level5&6	OFF		Right Edge	10	38150	2610	1	MID	-0.03	0.299	23.42	24.20	1.197	0.358	/
	Level5&6	OFF			10	38150	2610	50	HIGH	-0.16	0.237	22.39	23.20	1.205	0.286	/

	Level5&6	ON2		Top Edge	10	38150	2610	1	MID	0.17	0.233	23.42	24.20	1.197	0.279	/
	Level5&6	ON2			10	38150	2610	50	HIGH	0.17	0.190	22.39	23.20	1.205	0.229	/
Ant.0	Level5&6	ON1	QPSK	Front Side	10	38150	2610	1	MID	-0.16	0.242	22.81	24.50	1.476	0.357	/
	Level5&6	ON1			10	38150	2610	50	HIGH	0.02	0.196	21.86	23.50	1.459	0.286	/
	Level5&6	ON1		Back Side	10	38150	2610	1	MID	0.03	0.373	22.81	24.50	1.476	**0.550**	41#
	Level5&6	ON1			10	38150	2610	50	HIGH	0.19	0.348	21.86	23.50	1.459	0.508	/
	Level5&6	OFF		Left Edge	10	38150	2610	1	MID	0.07	0.112	22.81	24.50	1.476	0.165	/
	Level5&6	OFF			10	38150	2610	50	HIGH	-0.06	0.094	21.86	23.50	1.459	0.137	/
	Level5&6	OFF		Right Edge	10	38150	2610	1	MID	-0.19	0.041	22.81	24.50	1.476	0.061	/
	Level5&6	OFF			10	38150	2610	50	HIGH	-0.08	0.032	21.86	23.50	1.459	0.047	/
	Level5&6	ON1		Bottom Edge	10	38150	2610	1	MID	-0.03	0.250	22.81	24.50	1.476	0.369	/
	Level5&6	ON1			10	38150	2610	50	HIGH	0.16	0.200	21.86	23.50	1.459	0.292	/

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

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

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	N/A	QPSK	Right Cheek	0	38099 +37901	2589.9 +2570.1	1+1	Low +High	-0.12	0.541	18.42	19.70	1.343	**0.726**	79#
Body-worn Accessory																
Ant.0	Level4	ON1	QPSK	Back Side	15	37850 +38048	2580 +2599.8	1+1	High +Low	0.11	0.193	23.28	24.50	1.324	**0.256**	80#
Hotspot																
Ant.0	Level5&6	ON1	QPSK	Back Side	10	37850 +38048	2580 +2599.8	1+1	High +Low	0.18	0.362	23.28	24.50	1.324	**0.479**	81#

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

11.16 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	N/A	QPSK	Left Cheek	0	41490	2680	1	MID	-0.18	0.221	18.78	19.70	1.236	0.273	/
	Level1	N/A			0	41490	2680	50	LOW	-0.16	0.225	18.78	19.70	1.236	0.278	/
	Level1	N/A		Left Tilt	0	41490	2680	1	MID	-0.01	0.199	18.78	19.70	1.236	0.246	/
	Level1	N/A			0	41490	2680	50	LOW	-0.09	0.208	18.78	19.70	1.236	0.257	/
	Level1	N/A		Right Cheek	0	41490	2680	1	MID	0.06	0.601	18.78	19.70	1.236	0.743	/
	Level1	N/A			0	41490	2680	50	LOW	-0.10	0.606	18.78	19.70	1.236	**0.749**	42#
	Level1	N/A		Right Tilt	0	41490	2680	1	MID	-0.15	0.546	18.78	19.70	1.236	0.675	/
	Level1	N/A			0	41490	2680	50	LOW	-0.08	0.565	18.78	19.70	1.236	0.698	/
Ant.1	Level2&3	N/A	QPSK	Left Cheek	0	41490	2680	1	MID	0.07	0.180	17.73	18.70	1.250	0.225	/
	Level2&3	N/A			0	41490	2680	50	LOW	0.14	0.183	17.80	18.70	1.230	0.225	/
	Level2&3	N/A		Left Tilt	0	41490	2680	1	MID	-0.07	0.160	17.73	18.70	1.250	0.200	/
	Level2&3	N/A			0	41490	2680	50	LOW	0.08	0.165	17.80	18.70	1.230	0.203	/
	Level2&3	N/A		Right Cheek	0	41490	2680	1	MID	-0.08	0.535	17.73	18.70	1.250	0.669	/
	Level2&3	N/A			0	41490	2680	50	LOW	-0.04	0.542	17.80	18.70	1.230	0.667	/
	Level2&3	N/A		Right Tilt	0	41490	2680	1	MID	-0.10	0.434	17.73	18.70	1.250	0.543	/
	Level2&3	N/A			0	41490	2680	50	LOW	0.19	0.444	17.80	18.70	1.230	0.546	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	41490	2680	1	MID	-0.16	0.102	22.84	24.50	1.466	0.149	/
	Level1&2&3	N/A			0	41490	2680	50	HIGH	-0.14	0.082	21.99	23.50	1.416	0.116	/
	Level1&2&3	N/A		Left Tilt	0	41490	2680	1	MID	-0.01	0.068	22.84	24.50	1.466	0.100	/
	Level1&2&3	N/A			0	41490	2680	50	HIGH	0.16	0.055	21.99	23.50	1.416	0.078	/
	Level1&2&3	N/A		Right Cheek	0	41490	2680	1	MID	-0.15	0.173	22.84	24.50	1.466	0.254	/
	Level1&2&3	N/A			0	41490	2680	50	HIGH	0.10	0.141	21.99	23.50	1.416	0.200	/
	Level1&2&3	N/A		Right Tilt	0	41490	2680	1	MID	-0.11	0.073	22.84	24.50	1.466	0.107	/
	Level1&2&3	N/A			0	41490	2680	50	HIGH	0.11	0.054	21.99	23.50	1.416	0.076	/
Body-worn Accessory																
Ant.1	Level4	OFF	QPSK	Front Side	15	41490	2680	1	MID	-0.04	0.163	23.40	24.20	1.202	0.196	/
	Level4	OFF			15	41490	2680	50	HIGH	0.05	0.139	22.45	23.20	1.189	0.165	/
	Level4	ON2		Back Side	15	41490	2680	1	MID	0.12	0.140	23.40	24.20	1.202	0.168	/
	Level4	ON2			15	41490	2680	50	HIGH	0.16	0.112	22.45	23.20	1.189	0.133	/
Ant.0	Level4	OFF	QPSK	Front Side	15	41490	2680	1	MID	-0.10	0.156	22.84	24.50	1.466	0.229	/
	Level4	OFF			15	41490	2680	50	HIGH	-0.15	0.122	21.99	23.50	1.416	0.173	/
	Level4	OFF		Back Side	15	41490	2680	1	MID	0.12	0.186	22.84	24.50	1.466	**0.273**	43#
	Level4	OFF			15	41490	2680	50	HIGH	0.09	0.171	21.99	23.50	1.416	0.242	/
Hotspot																
Ant.1	Level5&6	OFF	QPSK	Front Side	10	41490	2680	1	MID	-0.12	0.383	23.40	24.20	1.202	0.460	/
	Level5&6	OFF			10	41490	2680	50	HIGH	0.10	0.303	22.45	23.20	1.189	0.360	/
	Level5&6	ON2		Back Side	10	41490	2680	1	MID	0.11	0.354	23.40	24.20	1.202	0.426	/
	Level5&6	ON2			10	41490	2680	50	HIGH	-0.10	0.257	22.45	23.20	1.189	0.305	/
	Level5&6	OFF		Right Edge	10	41490	2680	1	MID	0.10	0.236	23.40	24.20	1.202	0.284	/
	Level5&6	OFF			10	41490	2680	50	HIGH	-0.16	0.182	22.45	23.20	1.189	0.216	/

	Level5&6	ON2		Top Edge	10	41490	2680	1	MID	0.09	0.208	23.40	24.20	1.202	0.250	/
	Level5&6	ON2			10	41490	2680	50	HIGH	-0.10	0.163	22.45	23.20	1.189	0.194	/
Ant.0	Level5&6	ON1	QPSK	Front Side	10	41490	2680	1	MID	0.18	0.265	22.84	24.50	1.466	0.388	/
	Level5&6	ON1			10	41490	2680	50	HIGH	-0.01	0.214	21.99	23.50	1.416	0.303	/
	Level5&6	ON1		Back Side	10	41490	2680	1	MID	0.05	0.398	22.84	24.50	1.466	**0.583**	44#
	Level5&6	ON1			10	41490	2680	50	HIGH	-0.12	0.366	21.99	23.50	1.416	0.518	/
	Level5&6	OFF		Left Edge	10	41490	2680	1	MID	-0.16	0.125	22.84	24.50	1.466	0.183	/
	Level5&6	OFF			10	41490	2680	50	HIGH	-0.15	0.101	21.99	23.50	1.416	0.143	/
	Level5&6	OFF		Right Edge	10	41490	2680	1	MID	0.11	0.043	22.84	24.50	1.466	0.063	/
	Level5&6	OFF			10	41490	2680	50	HIGH	-0.12	0.034	21.99	23.50	1.416	0.048	/
	Level5&6	ON1		Bottom Edge	10	41490	2680	1	MID	0.02	0.212	22.84	24.50	1.466	0.311	/
	Level5&6	ON1			10	41490	2680	50	HIGH	-0.15	0.173	21.99	23.50	1.416	0.245	/

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

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

Antenna	Power Reduction state	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	N/A	QPSK	Right Cheek	0	40620 +40818	2593 +2612.8	1+1	Low +High	0.03	0.533	18.32	19.70	1.374	**0.732**	82#
Body-worn Accessory																
Ant.0	Level4	ON1	QPSK	Back Side	15	41055 +40857	2636.5 +2616.7	1+1	Low +High	0.16	0.181	22.83	24.50	1.469	**0.266**	83#
Hotspot																
Ant.0	Level5&6	ON1	QPSK	Back Side	10	41055 +40857	2636.5 +2616.7	1+1	Low +High	-0.11	0.319	22.83	24.50	1.469	**0.469**	84#

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

11.18 n5 (20MHz Bandwidth)

Antenna	Power Reduction state	Distance Sensor	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.1	Level1	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	1	1	0.08	0.513	22.39	22.70	1.074	0.551	/
	Level1	N/A				0	166800	834	50	0	-0.16	0.418	22.64	22.70	1.014	0.424	/
	Level1	N/A			Left Tilt	0	167300	836.5	1	1	-0.03	0.455	22.39	22.70	1.074	0.489	/
	Level1	N/A				0	166800	834	50	0	0.05	0.371	22.64	22.70	1.014	0.377	/
	Level1	N/A			Right Cheek	0	167300	836.5	1	1	-0.19	0.581	22.39	22.70	1.074	**0.624**	45#
	Level1	N/A				0	166800	834	50	0	0.18	0.562	22.64	22.70	1.014	0.570	/
	Level1	N/A			Right Tilt	0	167300	836.5	1	1	-0.14	0.577	22.39	22.70	1.074	0.620	/
	Level1	N/A				0	166800	834	50	0	-0.14	0.492	22.64	22.70	1.014	0.499	/
Ant.1	Level2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	1	1	0.04	0.457	21.99	22.20	1.050	0.480	/
	Level2&3	N/A				0	166800	834	50	0	0.02	0.373	22.03	22.20	1.040	0.388	/
	Level2&3	N/A			Left Tilt	0	167300	836.5	1	1	0.00	0.406	21.99	22.20	1.050	0.426	/
	Level2&3	N/A				0	166800	834	50	0	-0.17	0.332	22.03	22.20	1.040	0.345	/
	Level2&3	N/A			Right Cheek	0	167300	836.5	1	1	0.08	0.523	21.99	22.20	1.050	0.549	/
	Level2&3	N/A				0	166800	834	50	0	-0.04	0.501	22.03	22.20	1.040	0.521	/
	Level2&3	N/A			Right Tilt	0	167300	836.5	1	1	0.06	0.515	21.99	22.20	1.050	0.540	/
	Level2&3	N/A				0	166800	834	50	0	0.05	0.439	22.03	22.20	1.040	0.457	/
Ant.1	Level1	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	167300	836.5	1	1	0.11	0.325	20.65	20.70	1.012	0.329	/
	Level1	N/A				0	166800	834	50	0	-0.16	0.266	20.69	20.70	1.002	0.266	/
	Level1	N/A			Left Tilt	0	167300	836.5	1	1	-0.19	0.289	20.65	20.70	1.012	0.292	/
	Level1	N/A				0	166800	834	50	0	0.14	0.236	20.69	20.70	1.002	0.237	/
	Level1	N/A			Right Cheek	0	167300	836.5	1	1	0.16	0.372	20.65	20.70	1.012	0.376	/
	Level1	N/A				0	166800	834	50	0	-0.01	0.356	20.69	20.70	1.002	0.357	/
	Level1	N/A			Right Tilt	0	167300	836.5	1	1	0.10	0.366	20.65	20.70	1.012	0.370	/
	Level1	N/A				0	166800	834	50	0	0.07	0.312	20.69	20.70	1.002	0.313	/
Ant.1	Level2&3	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	167300	836.5	1	1	-0.11	0.290	20.19	20.20	1.002	0.291	/
	Level2&3	N/A				0	166800	834	50	0	0.02	0.237	20.11	20.20	1.021	0.242	/
	Level2&3	N/A			Left Tilt	0	167300	836.5	1	1	-0.02	0.258	20.19	20.20	1.002	0.259	/
	Level2&3	N/A				0	166800	834	50	0	0.03	0.211	20.11	20.20	1.021	0.216	/
	Level2&3	N/A			Right Cheek	0	167300	836.5	1	1	-0.19	0.332	20.19	20.20	1.002	0.332	/
	Level2&3	N/A				0	166800	834	50	0	0.05	0.318	20.11	20.20	1.021	0.325	/
	Level2&3	N/A			Right Tilt	0	167300	836.5	1	1	-0.05	0.327	20.19	20.20	1.002	0.327	/
	Level2&3	N/A				0	166800	834	50	0	-0.13	0.279	20.11	20.20	1.021	0.285	/
Ant.0	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA&ENDC	Left Cheek	0	166800	834	1	1	0.00	0.094	24.39	25.00	1.151	0.108	/
	Level1&2&3	N/A				0	167300	836.5	50	0	0.04	0.083	24.50	25.00	1.122	0.093	/
	Level1&2&3	N/A			Left Tilt	0	166800	834	1	1	-0.04	0.052	24.39	25.00	1.151	0.060	/
	Level1&2&3	N/A				0	167300	836.5	50	0	0.11	0.048	24.50	25.00	1.122	0.054	/
	Level1&2&3	N/A			Right Cheek	0	166800	834	1	1	0.09	0.021	24.39	25.00	1.151	0.024	/
	Level1&2&3	N/A				0	167300	836.5	50	0	0.07	0.016	24.50	25.00	1.122	0.018	/
	Level1&2&3	N/A			Right Tilt	0	166800	834	1	1	-0.06	0.011	24.39	25.00	1.151	0.013	/

	Level1&2&3	N/A				0	167300	836.5	50	0	-0.06	0.007	24.50	25.00	1.122	0.008	/
Body-worn Accessory																	
Ant.1	Level4	OFF	DFT-s-OFDM BPSK	SA&ENDC	Front Side	15	166800	834	1	1	-0.01	0.170	24.29	24.70	1.099	0.187	/
	Level4	OFF				15	167300	836.5	50	0	-0.03	0.146	24.16	24.70	1.132	0.165	/
	Level4	ON2			Back Side	15	166800	834	1	1	0.03	0.201	24.29	24.70	1.099	**0.221**	46#
	Level4	ON2				15	167300	836.5	50	0	0.04	0.180	24.16	24.70	1.132	0.204	/
Ant.0	Level4	OFF	DFT-s-OFDM BPSK	SA&ENDC	Front Side	15	167800	839	1	1	-0.02	0.052	24.39	25.00	1.151	0.059	/
	Level4	OFF				15	167300	836.5	50	0	-0.03	0.053	24.50	25.00	1.122	0.059	/
	Level4	OFF			Back Side	15	167800	839	1	1	0.18	0.077	24.39	25.00	1.151	0.088	/
	Level4	OFF				15	167300	836.5	50	0	-0.04	0.083	24.50	25.00	1.122	0.094	/
Hotspot																	
Ant.1	Level5&6	OFF	DFT-s-OFDM BPSK	SA&ENDC	Front Side	10	166800	834	1	1	0.16	0.254	24.29	24.70	1.099	0.280	/
	Level5&6	OFF				10	167300	836.5	50	0	0.10	0.214	24.16	24.70	1.132	0.242	/
	Level5&6	ON2			Back Side	10	166800	834	1	1	-0.02	0.315	24.29	24.70	1.099	**0.346**	47#
	Level5&6	ON2				10	167300	836.5	50	0	0.07	0.268	24.16	24.70	1.132	0.304	/
	Level5&6	OFF			Right Edge	10	166800	834	1	1	-0.02	0.155	24.29	24.70	1.099	0.171	/
	Level5&6	OFF				10	167300	836.5	50	0	0.15	0.133	24.16	24.70	1.132	0.151	/
	Level5&6	ON2			Top Edge	10	166800	834	1	1	0.02	0.239	24.29	24.70	1.099	0.263	/
	Level5&6	ON2				10	167300	836.5	50	0	-0.07	0.218	24.16	24.70	1.132	0.247	/
Ant.0	Level5&6	ON1	DFT-s-OFDM BPSK	SA&ENDC	Front Side	10	166800	834	1	1	0.14	0.086	24.39	25.00	1.151	0.099	/
	Level5&6	ON1				10	167300	836.5	50	0	-0.09	0.085	24.50	25.00	1.122	0.096	/
	Level5&6	ON1			Back Side	10	166800	834	1	1	0.10	0.231	24.39	25.00	1.151	0.266	/
	Level5&6	ON1				10	167300	836.5	50	0	-0.17	0.215	24.50	25.00	1.122	0.241	/
	Level5&6	OFF			Left Edge	10	166800	834	1	1	-0.04	0.021	24.39	25.00	1.151	0.024	/
	Level5&6	OFF				10	167300	836.5	50	0	0.03	0.017	24.50	25.00	1.122	0.019	/
	Level5&6	OFF			Right Edge	10	166800	834	1	1	0.18	0.095	24.39	25.00	1.151	0.109	/
	Level5&6	OFF				10	167300	836.5	50	0	-0.18	0.083	24.50	25.00	1.122	0.093	/
	Level5&6	ON1			Bottom Edge	10	166800	834	1	1	0.16	0.188	24.39	25.00	1.151	0.216	/
	Level5&6	ON1				10	167300	836.5	50	0	-0.12	0.186	24.50	25.00	1.122	0.208	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.19 n7 (20MHz Bandwidth)

Antenna	Power Reduction state	Distance Sensor	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.1	Level1	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	1	1	-0.10	0.218	17.19	17.40	1.050	0.229	/
	Level1	N/A				0	507000	2535	50	0	-0.16	0.182	17.14	17.40	1.062	0.193	/
	Level1	N/A			Left Tilt	0	507000	2535	1	1	-0.02	0.231	17.19	17.40	1.050	0.243	/
	Level1	N/A				0	507000	2535	50	0	-0.18	0.191	17.14	17.40	1.062	0.203	/
	Level1	N/A			Right Cheek	0	507000	2535	1	1	0.03	0.699	17.19	17.40	1.050	**0.734**	48#
	Level1	N/A				0	507000	2535	50	0	-0.06	0.579	17.14	17.40	1.062	0.614	/
	Level1	N/A			Right Tilt	0	507000	2535	1	1	0.12	0.601	17.19	17.40	1.050	0.631	/
	Level1	N/A				0	507000	2535	50	0	-0.18	0.590	17.14	17.40	1.062	0.626	/
Ant.1	Level2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	1	1	0.06	0.194	16.67	16.90	1.054	0.204	/
	Level2&3	N/A				0	507000	2535	50	0	0.15	0.162	16.65	16.90	1.059	0.171	/
	Level2&3	N/A			Left Tilt	0	507000	2535	1	1	-0.07	0.206	16.67	16.90	1.054	0.217	/
	Level2&3	N/A				0	507000	2535	50	0	-0.16	0.170	16.65	16.90	1.059	0.180	/
	Level2&3	N/A			Right Cheek	0	507000	2535	1	1	-0.04	0.621	16.67	16.90	1.054	0.655	/
	Level2&3	N/A				0	507000	2535	50	0	-0.03	0.515	16.65	16.90	1.059	0.546	/
	Level2&3	N/A			Right Tilt	0	507000	2535	1	1	-0.07	0.536	16.67	16.90	1.054	0.565	/
	Level2&3	N/A				0	507000	2535	50	0	-0.10	0.526	16.65	16.90	1.059	0.557	/
Ant.1	Level1	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	507000	2535	1	1	0.07	0.173	15.72	15.90	1.042	0.180	/
	Level1	N/A				0	507000	2535	50	0	0.03	0.144	15.73	15.90	1.040	0.150	/
	Level1	N/A			Left Tilt	0	507000	2535	1	1	0.12	0.183	15.72	15.90	1.042	0.191	/
	Level1	N/A				0	507000	2535	50	0	-0.07	0.151	15.73	15.90	1.040	0.157	/
	Level1	N/A			Right Cheek	0	507000	2535	1	1	0.09	0.553	15.72	15.90	1.042	0.577	/
	Level1	N/A				0	507000	2535	50	0	-0.06	0.459	15.73	15.90	1.040	0.478	/
	Level1	N/A			Right Tilt	0	507000	2535	1	1	0.00	0.477	15.72	15.90	1.042	0.497	/
	Level1	N/A				0	507000	2535	50	0	0.08	0.468	15.73	15.90	1.040	0.487	/
Ant.1	Level2&3	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	507000	2535	1	1	-0.05	0.154	15.25	15.40	1.035	0.159	/
	Level2&3	N/A				0	507000	2535	50	0	-0.10	0.128	15.17	15.40	1.054	0.135	/
	Level2&3	N/A			Left Tilt	0	507000	2535	1	1	0.19	0.163	15.25	15.40	1.035	0.169	/
	Level2&3	N/A				0	507000	2535	50	0	0.16	0.134	15.17	15.40	1.054	0.142	/
	Level2&3	N/A			Right Cheek	0	507000	2535	1	1	0.19	0.493	15.25	15.40	1.035	0.510	/
	Level2&3	N/A				0	507000	2535	50	0	0.00	0.409	15.17	15.40	1.054	0.431	/
	Level2&3	N/A			Right Tilt	0	507000	2535	1	1	0.18	0.425	15.25	15.40	1.035	0.440	/
	Level2&3	N/A				0	507000	2535	50	0	0.03	0.417	15.17	15.40	1.054	0.440	/
Ant.0	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	502000	2510	1	1	-0.13	0.173	22.77	24.20	1.390	0.240	/
	Level1&2&3	N/A				0	512000	2560	50	0	-0.13	0.183	22.84	24.20	1.368	0.250	/
	Level1&2&3	N/A			Left Tilt	0	502000	2510	1	1	0.16	0.113	22.77	24.20	1.390	0.157	/
	Level1&2&3	N/A				0	512000	2560	50	0	-0.08	0.116	22.84	24.20	1.368	0.159	/
	Level1&2&3	N/A			Right Cheek	0	502000	2510	1	1	-0.08	0.213	22.77	24.20	1.390	0.296	/
	Level1&2&3	N/A				0	512000	2560	50	0	0.19	0.215	22.84	24.20	1.368	0.294	/
	Level1&2&3	N/A			Right Tilt	0	502000	2510	1	1	0.06	0.152	22.77	24.20	1.390	0.211	/

	Level1&2&3	N/A				0	512000	2560	50	0	0.08	0.129	22.84	24.20	1.368	0.176	/
Ant.4	Level1	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	502000	2510	1	1	0.03	0.203	18.19	18.20	1.002	0.204	/
	Level1	N/A				0	512000	2560	50	0	-0.03	0.227	18.14	18.20	1.014	0.230	/
	Level1	N/A			Left Tilt	0	502000	2510	1	1	0.18	0.087	18.19	18.20	1.002	0.087	/
	Level1	N/A				0	512000	2560	50	0	-0.07	0.100	18.14	18.20	1.014	0.102	/
	Level1	N/A			Right Cheek	0	502000	2510	1	1	-0.01	0.349	18.19	18.20	1.002	0.350	/
	Level1	N/A				0	512000	2560	50	0	-0.01	0.397	18.14	18.20	1.014	0.402	/
	Level1	N/A			Right Tilt	0	502000	2510	1	1	0.12	0.159	18.19	18.20	1.002	0.159	/
	Level1	N/A				0	512000	2560	50	0	0.12	0.181	18.14	18.20	1.014	0.184	/
Ant.4	Level2&3	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	502000	2510	1	1	-0.13	0.181	17.38	17.70	1.076	0.195	/
	Level2&3	N/A				0	512000	2560	50	0	0.19	0.202	17.26	17.70	1.107	0.223	/
	Level2&3	N/A			Left Tilt	0	502000	2510	1	1	0.16	0.078	17.38	17.70	1.076	0.084	/
	Level2&3	N/A				0	512000	2560	50	0	-0.14	0.090	17.26	17.70	1.107	0.099	/
	Level2&3	N/A			Right Cheek	0	502000	2510	1	1	0.16	0.311	17.38	17.70	1.076	0.335	/
	Level2&3	N/A				0	512000	2560	50	0	-0.14	0.354	17.26	17.70	1.107	0.391	/
	Level2&3	N/A			Right Tilt	0	502000	2510	1	1	-0.14	0.141	17.38	17.70	1.076	0.152	/
	Level2&3	N/A				0	512000	2560	50	0	-0.06	0.162	17.26	17.70	1.107	0.179	/
Body-worn Accessory																	
Ant.1	Level4	OFF	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	1	-0.18	0.197	22.19	23.90	1.483	0.292	/
	Level4	OFF				15	507000	2535	50	0	-0.01	0.226	22.29	23.90	1.449	0.327	/
	Level4	ON2			Back Side	15	507000	2535	1	1	0.13	0.239	22.19	23.90	1.483	0.355	/
	Level4	ON2				15	507000	2535	50	0	0.17	0.258	22.29	23.90	1.449	0.374	/
Ant.1	Level4	OFF	DFT-s-OFDM BPSK	ENDC	Front Side	15	507000	2535	1	1	0.05	0.198	22.19	23.40	1.321	0.262	/
	Level4	OFF				15	507000	2535	50	0	0.11	0.226	22.29	23.40	1.291	0.292	/
	Level4	ON2			Back Side	15	507000	2535	1	1	-0.12	0.190	22.19	23.40	1.321	0.251	/
	Level4	ON2				15	507000	2535	50	0	-0.17	0.205	22.29	23.40	1.291	0.265	/
Ant.0	Level4	OFF	DFT-s-OFDM BPSK	SA	Front Side	15	502000	2510	1	1	-0.15	0.152	22.77	24.20	1.390	0.211	/
	Level4	OFF				15	512000	2560	50	0	-0.17	0.130	22.84	24.20	1.368	0.178	/
	Level4	OFF			Back Side	15	502000	2510	1	1	0.17	0.276	22.77	24.20	1.390	**0.384**	49#
	Level4	OFF				15	512000	2560	50	0	-0.05	0.259	22.84	24.20	1.368	0.354	/
Ant.4	Level4	N/A	DFT-s-OFDM BPSK	ENDC	Front Side	15	507000	2535	1	1	-0.12	0.054	19.18	19.20	1.005	0.055	/
	Level4	N/A				15	507000	2535	50	0	0.01	0.049	18.94	19.20	1.062	0.052	/
	Level4	N/A			Back Side	15	507000	2535	1	1	0.17	0.125	19.18	19.20	1.005	0.125	/
	Level4	N/A				15	507000	2535	50	0	0.18	0.112	18.94	19.20	1.062	0.119	/
Hotspot																	
Ant.1	Level5&6	OFF	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	1	1	0.16	0.467	22.19	23.90	1.483	0.692	/
	Level5&6	OFF				10	507000	2535	50	0	-0.14	0.391	22.29	23.90	1.449	0.567	/
	Level5&6	ON2			Back Side	10	507000	2535	1	1	0.12	0.515	22.19	23.90	1.483	0.763	/
	Level5&6	ON2				10	507000	2535	50	0	0.11	0.445	22.29	23.90	1.449	0.645	/
	Level5&6	OFF			Right Edge	10	507000	2535	1	1	-0.13	0.519	22.19	23.90	1.483	0.769	/
	Level5&6	OFF				10	507000	2535	50	0	0.16	0.444	22.29	23.90	1.449	0.644	/
	Level5&6	ON2			Top Edge	10	507000	2535	1	1	-0.13	0.387	22.19	23.90	1.483	0.574	/
	Level5&6	ON2				10	507000	2535	50	0	0.11	0.412	22.29	23.90	1.449	0.597	/
Ant.1	Level5&6	OFF	DFT-s-OFDM	ENDC	Front Side	10	507000	2535	1	1	0.16	0.467	22.19	23.40	1.321	0.617	/
	Level5&6	OFF				10	507000	2535	50	0	-0.14	0.391	22.29	23.40	1.291	0.505	/

	Level5&6	ON2	BPSK		Back Side	10	507000	2535	1	1	0.16	0.291	20.49	20.90	1.099	0.319	/
	Level5&6	ON2				10	507000	2535	50	0	0.13	0.252	20.52	20.90	1.091	0.275	/
	Level5&6	OFF			Right Edge	10	507000	2535	1	1	0.09	0.293	22.19	23.40	1.321	0.387	/
	Level5&6	OFF				10	507000	2535	50	0	0.09	0.251	22.29	23.40	1.291	0.324	/
	Level5&6	ON2			Top Edge	10	507000	2535	1	1	0.06	0.219	20.49	20.90	1.099	0.241	/
	Level5&6	ON2				10	507000	2535	50	0	-0.02	0.233	20.52	20.90	1.091	0.254	/
Ant.0	Level5&6	ON1	DFT-s-OFDM BPSK	SA	Front Side	10	502000	2510	1	1	-0.10	0.268	22.77	24.20	1.390	0.372	/
	Level5&6	ON1				10	512000	2560	50	0	-0.06	0.250	22.84	24.20	1.368	0.342	/
	Level5&6	ON1			Back Side	10	502000	2510	1	1	0.04	0.565	22.77	24.20	1.390	**0.785**	50#
	Level5&6	ON1				10	512000	2560	50	0	-0.03	0.521	22.84	24.20	1.368	0.712	/
	Level5&6	OFF			Left Edge	10	502000	2510	1	1	-0.14	0.180	22.77	24.20	1.390	0.250	/
	Level5&6	OFF				10	512000	2560	50	0	-0.04	0.163	22.84	24.20	1.368	0.223	/
	Level5&6	OFF			Right Edge	10	502000	2510	1	1	0.01	0.040	22.77	24.20	1.390	0.055	/
	Level5&6	OFF				10	512000	2560	50	0	-0.10	0.033	22.84	24.20	1.368	0.045	/
	Level5&6	ON1			Bottom Edge	10	502000	2510	1	1	0.12	0.423	22.77	24.20	1.390	0.588	/
	Level5&6	ON1				10	512000	2560	50	0	-0.05	0.442	22.84	24.20	1.368	0.604	/
Ant.4	Level5&6	N/A	DFT-s-OFDM BPSK	ENDC	Front Side	10	512000	2560	1	1	0.00	0.089	18.34	18.70	1.086	0.097	/
	Level5&6	N/A				10	507000	2535	50	0	-0.14	0.079	18.35	18.70	1.084	0.085	/
	Level5&6	N/A			Back Side	10	512000	2560	1	1	-0.04	0.220	18.34	18.70	1.086	0.239	/
	Level5&6	N/A				10	507000	2535	50	0	-0.18	0.191	18.35	18.70	1.084	0.207	/
	Level5&6	N/A			Right Edge	10	502000	2510	1	1	-0.13	0.151	18.34	18.70	1.086	0.164	/
	Level5&6	N/A				10	512000	2560	50	0	0.03	0.130	18.35	18.70	1.084	0.141	/
	Level5&6	N/A			Top Edge	10	512000	2560	1	1	-0.06	0.045	18.34	18.70	1.086	0.049	/
	Level5&6	N/A				10	507000	2535	50	0	0.02	0.050	18.35	18.70	1.084	0.055	/
P-sensor Off																	
Ant.1	Full	OFF	DFT-s-OFDM BPSK	SA&ENDC	Back Side	14	507000	2535	23	1	-0.09	0.324	22.29	23.90	1.449	0.469	/
	Full	OFF			Top Edge	13	507000	2535	23	1	0.14	0.222	22.29	23.90	1.449	0.322	/
Ant.0	Full	OFF	DFT-s-OFDM BPSK	SA	Front Side	13	507000	2535	23	0	-0.12	0.217	22.79	24.20	1.384	0.300	/
	Full	OFF			Back Side	11	507000	2535	23	0	-0.06	0.560	22.79	24.20	1.384	0.775	/
	Full	OFF			Bottom Edge	14.5	507000	2535	23	0	-0.18	0.347	22.29	23.90	1.449	0.503	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.20 n38 (20MHz Bandwidth)

Antenna	Power Reduction state	Distance Sensor	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.1	Level1	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	1	0.19	0.291	17.15	17.40	1.059	0.308	/
	Level1	N/A				0	519000	2595	25	0	-0.12	0.236	17.14	17.40	1.062	0.250	/
	Level1	N/A			Left Tilt	0	519000	2595	1	1	-0.08	0.250	17.15	17.40	1.059	0.265	/
	Level1	N/A				0	519000	2595	25	0	-0.13	0.229	17.14	17.40	1.062	0.243	/
	Level1	N/A			Right Cheek	0	519000	2595	1	1	0.09	0.806	17.15	17.40	1.059	**0.854**	51#
	Level1	N/A				0	516000	2580	1	1	-0.09	0.765	16.99	17.40	1.099	0.841	/
	Level1	N/A				0	522000	2610	1	1	-0.13	0.741	17.02	17.40	1.091	0.809	/
	Level1	N/A				0	519000	2595	25	0	0.02	0.674	17.14	17.40	1.062	0.716	/
	Level1	N/A				0	516000	2580	25	0	0.12	0.661	17.06	17.40	1.081	0.715	/
	Level1	N/A				0	522000	2610	25	0	0.13	0.649	17.11	17.40	1.069	0.694	/
	Level1	N/A				0	519000	2595	50	0	0.11	0.628	17.02	17.40	1.091	0.685	/
	Level1	N/A			Right Tilt	0	519000	2595	1	1	0.16	0.643	17.15	17.40	1.059	0.682	/
	Level1	N/A				0	519000	2595	25	0	-0.04	0.512	17.14	17.40	1.062	0.544	/
Ant.1	Level2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	1	-0.08	0.259	16.13	16.90	1.194	0.310	/
	Level2&3	N/A				0	519000	2595	25	0	-0.04	0.210	16.14	16.90	1.191	0.250	/
	Level2&3	N/A			Left Tilt	0	519000	2595	1	1	-0.17	0.223	16.13	16.90	1.194	0.266	/
	Level2&3	N/A				0	519000	2595	25	0	0.06	0.204	16.14	16.90	1.191	0.243	/
	Level2&3	N/A			Right Cheek	0	519000	2595	1	1	-0.10	0.656	16.13	16.90	1.194	0.783	/
	Level2&3	N/A				0	519000	2595	25	0	-0.04	0.601	16.14	16.90	1.191	0.716	/
	Level2&3	N/A			Right Tilt	0	519000	2595	1	1	-0.02	0.573	16.13	16.90	1.194	0.685	/
	Level2&3	N/A				0	519000	2595	25	0	0.03	0.457	16.14	16.90	1.191	0.544	/
Ant.0	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	522000	2610	1	26	0.06	0.157	23.73	24.70	1.250	0.196	/
	Level1&2&3	N/A				0	522000	2610	25	0	0.19	0.136	23.80	24.70	1.230	0.167	/
	Level1&2&3	N/A			Left Tilt	0	522000	2610	1	26	-0.03	0.097	23.73	24.70	1.250	0.121	/
	Level1&2&3	N/A				0	522000	2610	25	0	-0.02	0.090	23.80	24.70	1.230	0.111	/
	Level1&2&3	N/A			Right Cheek	0	522000	2610	1	26	0.10	0.227	23.73	24.70	1.250	0.284	/
	Level1&2&3	N/A				0	522000	2610	25	0	0.19	0.196	23.80	24.70	1.230	0.241	/
	Level1&2&3	N/A			Right Tilt	0	522000	2610	1	26	-0.11	0.119	23.73	24.70	1.250	0.149	/
	Level1&2&3	N/A				0	522000	2610	25	0	0.18	0.093	23.80	24.70	1.230	0.114	/
Body-worn Accessory																	
Ant.1	Level4	OFF	DFT-s-OFDM BPSK	SA	Front Side	15	522000	2610	1	26	-0.06	0.269	22.91	24.40	1.409	0.379	/
	Level4	OFF				15	519000	2595	25	0	0.06	0.261	22.97	24.40	1.390	0.363	/
	Level4	ON2			Back Side	15	519000	2595	1	26	-0.06	0.284	22.91	24.40	1.409	0.400	/
	Level4	ON2				15	519000	2595	25	0	0.03	0.223	22.97	24.40	1.390	0.310	/
Ant.0	Level4	OFF	DFT-s-OFDM BPSK	SA	Front Side	15	522000	2610	1	26	-0.04	0.171	23.73	24.70	1.250	0.214	/
	Level4	OFF				15	522000	2610	25	0	-0.14	0.162	23.80	24.70	1.230	0.199	/
	Level4	OFF			Back Side	15	522000	2610	1	26	0.06	0.327	23.73	24.70	1.250	**0.409**	52#
	Level4	OFF				15	522000	2610	25	0	-0.16	0.323	23.80	24.70	1.230	0.397	/
Hotspot																	

Ant.1	Level5&6	OFF	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	1	26	0.10	0.482	22.91	24.40	1.409	0.679	/
	Level5&6	OFF				10	519000	2595	25	0	0.01	0.452	22.97	24.40	1.390	0.628	/
	Level5&6	ON2			Back Side	10	519000	2595	1	26	-0.07	0.477	22.91	24.40	1.409	0.672	/
	Level5&6	ON2				10	519000	2595	25	0	0.04	0.402	22.97	24.40	1.390	0.559	/
	Level5&6	OFF			Right Edge	10	519000	2595	1	26	0.14	0.487	22.91	24.40	1.409	0.686	/
	Level5&6	OFF				10	519000	2595	25	0	-0.13	0.393	22.97	24.40	1.390	0.546	/
	Level5&6	ON2			Top Edge	10	519000	2595	1	26	-0.16	0.376	22.91	24.40	1.409	0.530	/
	Level5&6	ON2				10	519000	2595	25	0	0.07	0.314	22.97	24.40	1.390	0.436	/
Ant.0	Level5&6	ON1	DFT-s-OFDM BPSK	SA	Front Side	10	516000	2580	1	49	0.03	0.380	23.28	23.70	1.102	0.418	/
	Level5&6	ON1				10	519000	2595	25	13	-0.14	0.344	23.05	23.70	1.161	0.399	/
	Level5&6	ON1			Back Side	10	516000	2580	1	49	0.05	0.627	23.28	23.70	1.102	**0.691**	53#
	Level5&6	ON1				10	519000	2595	25	13	-0.08	0.576	23.05	23.70	1.161	0.669	/
	Level5&6	OFF			Left Edge	10	522000	2610	1	26	-0.08	0.155	23.73	24.70	1.250	0.194	/
	Level5&6	OFF				10	522000	2610	25	0	-0.08	0.104	23.80	24.70	1.230	0.128	/
	Level5&6	OFF			Right Edge	10	519000	2595	1	26	-0.08	0.125	23.73	24.70	1.250	0.156	/
	Level5&6	OFF				10	519000	2595	25	0	-0.08	0.110	23.80	24.70	1.230	0.135	/
	Level5&6	ON1			Bottom Edge	10	516000	2580	1	49	-0.08	0.429	23.28	23.70	1.102	0.472	/
	Level5&6	ON1				10	519000	2595	25	13	-0.08	0.357	23.05	23.70	1.161	0.414	/
P-sensor Off																	
Ant.0	Full	OFF	DFT-s-OFDM BPSK	SA	Front Side	13	519000	2595	1	26	-0.14	0.215	23.73	24.70	1.250	0.269	/
	Full	OFF			Back Side	11	519000	2595	1	26	0.14	0.555	23.73	24.70	1.250	0.694	/
	Full	OFF			Bottom Edge	14.5	519000	2595	1	26	0.15	0.310	23.73	24.70	1.250	0.388	/

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

11.21 n41 (100MHz Bandwidth)

Antenna	Power Reduction state	Distance Sensor	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.1	Level1	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	1	-0.19	0.111	16.96	17.40	1.107	0.123	/
	Level1	N/A				0	518598	2592.99	135	0	-0.18	0.130	16.89	17.40	1.125	0.146	/
	Level1	N/A			Left Tilt	0	518598	2592.99	1	1	0.08	0.117	16.96	17.40	1.107	0.130	/
	Level1	N/A				0	518598	2592.99	135	0	0.02	0.127	16.89	17.40	1.125	0.142	/
	Level1	N/A			Right Cheek	0	518598	2592.99	1	1	0.10	0.500	16.96	17.40	1.107	**0.553**	54#
	Level1	N/A				0	518598	2592.99	135	0	0.07	0.408	16.89	17.40	1.125	0.459	/
	Level1	N/A			Right Tilt	0	518598	2592.99	1	1	0.01	0.321	16.96	17.40	1.107	0.355	/
	Level1	N/A				0	518598	2592.99	135	0	0.10	0.333	16.89	17.40	1.125	0.375	/
Ant.1	Level2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	1	-0.17	0.099	16.89	16.90	1.002	0.099	/
	Level2&3	N/A				0	518598	2592.99	135	69	-0.08	0.116	16.86	16.90	1.009	0.117	/
	Level2&3	N/A			Left Tilt	0	518598	2592.99	1	1	-0.17	0.105	16.89	16.90	1.002	0.105	/
	Level2&3	N/A				0	518598	2592.99	135	69	-0.15	0.113	16.86	16.90	1.009	0.114	/
	Level2&3	N/A			Right Cheek	0	518598	2592.99	1	1	-0.19	0.326	16.89	16.90	1.002	0.326	/
	Level2&3	N/A				0	518598	2592.99	135	69	0.05	0.364	16.86	16.90	1.009	0.367	/
	Level2&3	N/A			Right Tilt	0	518598	2592.99	1	1	0.09	0.286	16.89	16.90	1.002	0.287	/
	Level2&3	N/A				0	518598	2592.99	135	69	0.07	0.297	16.86	16.90	1.009	0.300	/
Ant.0	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	1	-0.09	0.179	23.27	24.70	1.390	0.249	/
	Level1&2&3	N/A				0	518598	2592.99	135	0	0.10	0.177	24.32	24.70	1.091	0.193	/
	Level1&2&3	N/A			Left Tilt	0	518598	2592.99	1	1	-0.03	0.129	23.27	24.70	1.390	0.179	/
	Level1&2&3	N/A				0	518598	2592.99	135	0	0.18	0.124	24.32	24.70	1.091	0.135	/
	Level1&2&3	N/A			Right Cheek	0	518598	2592.99	1	1	0.12	0.254	23.27	24.70	1.390	0.353	/
	Level1&2&3	N/A				0	518598	2592.99	135	0	-0.17	0.279	24.32	24.70	1.091	0.305	/
	Level1&2&3	N/A			Right Tilt	0	518598	2592.99	1	1	0.09	0.119	23.27	24.70	1.390	0.165	/
	Level1&2&3	N/A				0	518598	2592.99	135	0	-0.06	0.122	24.32	24.70	1.091	0.133	/
Body-worn Accessory																	
Ant.1	Level4	OFF	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	1	-0.04	0.254	22.67	24.40	1.489	0.379	/
	Level4	OFF				15	518598	2592.99	135	0	-0.05	0.205	22.67	24.40	1.489	0.305	/
	Level4	ON2			Back Side	15	518598	2592.99	1	1	-0.08	0.163	22.67	24.40	1.489	0.242	/
	Level4	ON2				15	518598	2592.99	135	0	0.00	0.164	22.67	24.40	1.489	0.244	/
Ant.0	Level4	OFF	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	1	0.15	0.160	23.27	24.70	1.390	0.223	/
	Level4	OFF				15	518598	2592.99	135	0	-0.06	0.143	24.32	24.70	1.091	0.157	/
	Level4	OFF			Back Side	15	518598	2592.99	1	1	-0.12	0.291	23.27	24.70	1.390	**0.404**	55#
	Level4	OFF				15	518598	2592.99	135	0	0.08	0.286	24.32	24.70	1.091	0.312	/
Hotspot																	
Ant.1	Level5&6	OFF	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	1	0.01	0.687	22.67	24.40	1.489	**1.023**	56#
	Level5&6	OFF				10	509202	2546.01	1	1	0.15	0.668	22.65	24.40	1.496	0.999	/
	Level5&6	OFF				10	513900	2569.5	1	137	0.06	0.671	22.65	24.40	1.496	1.004	/
	Level5&6	OFF				10	523302	2616.51	1	137	0.14	0.682	22.65	24.40	1.496	1.020	/
	Level5&6	OFF				10	528000	2640	1	1	0.05	0.671	22.65	24.40	1.496	1.004	/

	Level5&6	OFF				10	518598	2592.99	1	1	0.05	0.677	22.67	24.40	1.489	1.008	/
	Level5&6	OFF				10	509202	2546.01	1	1	0.09	0.681	22.65	24.40	1.496	1.019	/
	Level5&6	OFF				10	513900	2569.5	1	137	0.08	0.665	22.65	24.40	1.496	0.995	/
	Level5&6	OFF				10	523302	2616.51	1	137	-0.15	0.671	22.65	24.40	1.496	1.004	/
	Level5&6	OFF				10	528000	2640	1	1	0.06	0.659	22.65	24.40	1.496	0.986	/
	Level5&6	OFF				10	513900	2569.5	270	0	-0.02	0.658	22.73	24.40	1.469	0.967	/
	Level5&6	ON2			Back Side	10	518598	2592.99	1	1	0.19	0.656	22.67	24.40	1.489	0.978	/
	Level5&6	ON2				10	509202	2546.01	1	1	0.07	0.623	22.65	24.40	1.496	0.932	/
	Level5&6	ON2				10	513900	2569.5	1	137	-0.17	0.625	22.65	24.40	1.496	0.935	/
	Level5&6	ON2				10	523302	2616.51	1	137	0.06	0.630	22.65	24.40	1.496	0.943	/
	Level5&6	ON2				10	528000	2640	1	1	0.04	0.615	22.65	24.40	1.496	0.920	/
	Level5&6	ON2				10	518598	2592.99	1	1	-0.14	0.633	22.67	24.40	1.489	0.943	/
	Level5&6	ON2				10	509202	2546.01	1	1	-0.12	0.624	22.65	24.40	1.496	0.934	/
	Level5&6	ON2				10	513900	2569.5	1	137	0.09	0.615	22.65	24.40	1.496	0.920	/
	Level5&6	ON2				10	523302	2616.51	1	137	-0.04	0.622	22.65	24.40	1.496	0.931	/
	Level5&6	ON2				10	528000	2640	1	1	0.15	0.618	22.65	24.40	1.496	0.925	/
	Level5&6	ON2				10	513900	2569.5	270	0	0.08	0.613	22.73	24.40	1.469	0.900	/
	Level5&6	OFF			Right Edge	10	518598	2592.99	1	1	0.14	0.425	22.65	24.40	1.496	0.635	/
	Level5&6	OFF				10	518598	2592.99	135	0	0.12	0.479	22.67	24.40	1.489	0.713	/
	Level5&6	ON2			Top Edge	10	518598	2592.99	1	1	-0.09	0.377	22.65	24.40	1.496	0.564	/
	Level5&6	ON2				10	518598	2592.99	135	0	-0.16	0.402	22.67	24.40	1.489	0.599	/
Ant.0	Level5&6	ON1	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	1	0.19	0.269	23.27	24.70	1.390	0.374	/
	Level5&6	ON1				10	518598	2592.99	135	0	0.14	0.308	24.32	24.70	1.091	0.336	/
	Level5&6	ON1			Back Side	10	518598	2592.99	1	1	-0.07	0.520	23.27	24.70	1.390	0.723	/
	Level5&6	ON1				10	518598	2592.99	135	0	-0.01	0.648	24.32	24.70	1.091	0.707	/
	Level5&6	OFF			Left Edge	10	518598	2592.99	1	1	-0.18	0.200	23.27	24.70	1.390	0.278	/
	Level5&6	OFF				10	518598	2592.99	135	0	0.18	0.185	24.32	24.70	1.091	0.202	/
	Level5&6	OFF			Right Edge	10	518598	2592.99	1	1	0.11	0.054	23.27	24.70	1.390	0.075	/
	Level5&6	OFF				10	518598	2592.99	135	0	0.05	0.042	24.32	24.70	1.091	0.046	/
	Level5&6	ON1			Bottom Edge	10	518598	2592.99	1	1	0.06	0.571	23.27	24.70	1.390	0.794	/
	Level5&6	ON1				10	518598	2592.99	135	0	-0.13	0.537	24.32	24.70	1.091	0.587	/
Hotspot																	
Ant.1	Full	OFF	DFT-s-OFDM BPSK	SA	Back Side	14	518598	2592.99	23	1	-0.17	0.252	22.64	24.40	1.500	0.378	/
	Full	OFF			Top Edge	13	518598	2592.99	23	1	-0.07	0.248	22.64	24.40	1.500	0.372	/
Ant.0	Full	OFF	DFT-s-OFDM BPSK	SA	Front Side	13	518598	2592.99	23	0	0.18	0.202	24.32	24.70	1.091	0.220	/
	Full	OFF			Back Side	11	518598	2592.99	23	0	-0.16	0.554	24.32	24.70	1.091	0.604	/
	Full	OFF			Bottom Edge	14.5	518598	2592.99	23	0	-0.15	0.321	24.32	24.70	1.091	0.350	/

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

11.22 n66 (20MHz Bandwidth)

Antenna	Power Reduction state	Distance Sensor	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.1	Level1	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	354000	1770	1	1	-0.09	0.247	15.05	15.90	1.216	0.301	/
	Level1	N/A				0	349000	1745	50	0	0.15	0.220	15.11	15.90	1.199	0.264	/
	Level1	N/A			Left Tilt	0	354000	1770	1	1	-0.08	0.298	15.05	15.90	1.216	0.362	/
	Level1	N/A				0	349000	1745	50	0	-0.12	0.255	15.11	15.90	1.199	0.306	/
	Level1	N/A			Right Cheek	0	354000	1770	1	1	0.11	0.377	15.05	15.90	1.216	0.459	/
	Level1	N/A				0	349000	1745	50	0	-0.05	0.330	15.11	15.90	1.199	0.395	/
	Level1	N/A			Right Tilt	0	354000	1770	1	1	0.07	0.430	15.05	15.90	1.216	**0.523**	57#
	Level1	N/A				0	349000	1745	50	0	0.06	0.363	15.11	15.90	1.199	0.435	/
Ant.1	Level2&3	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	354000	1770	1	1	0.17	0.220	15.05	15.40	1.084	0.239	/
	Level2&3	N/A				0	349000	1745	50	0	-0.14	0.196	15.11	15.40	1.069	0.210	/
	Level2&3	N/A			Left Tilt	0	354000	1770	1	1	-0.02	0.266	15.05	15.40	1.084	0.288	/
	Level2&3	N/A				0	349000	1745	50	0	0.10	0.227	15.11	15.40	1.069	0.243	/
	Level2&3	N/A			Right Cheek	0	354000	1770	1	1	0.18	0.336	15.05	15.40	1.084	0.364	/
	Level2&3	N/A				0	349000	1745	50	0	0.16	0.294	15.11	15.40	1.069	0.314	/
	Level2&3	N/A			Right Tilt	0	354000	1770	1	1	-0.01	0.381	15.05	15.40	1.084	0.413	/
	Level2&3	N/A				0	349000	1745	50	0	0.14	0.323	15.11	15.40	1.069	0.346	/
Ant.4	Level1&2&3	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	344000	1720	1	1	-0.14	0.037	23.59	24.70	1.291	0.048	/
	Level1&2&3	N/A				0	354000	1770	50	0	0.10	0.046	23.83	24.70	1.222	0.057	/
	Level1&2&3	N/A			Left Tilt	0	344000	1720	1	1	-0.07	0.019	23.59	24.70	1.291	0.025	/
	Level1&2&3	N/A				0	354000	1770	50	0	0.03	0.022	23.83	24.70	1.222	0.027	/
	Level1&2&3	N/A			Right Cheek	0	344000	1720	1	1	0.05	0.063	23.59	24.70	1.291	0.081	/
	Level1&2&3	N/A				0	354000	1770	50	0	0.09	0.079	23.83	24.70	1.222	0.096	/
	Level1&2&3	N/A			Right Tilt	0	344000	1720	1	1	-0.13	0.025	23.59	24.70	1.291	0.032	/
	Level1&2&3	N/A				0	354000	1770	50	0	-0.14	0.027	23.83	24.70	1.222	0.033	/
Body-worn Accessory																	
Ant.1	Level4	OFF	DFT-s-OFDM BPSK	ENDC	Front Side	15	349000	1745	1	1	0.10	0.255	22.85	23.90	1.274	**0.325**	58#
	Level4	OFF				15	349000	1745	50	0	-0.16	0.213	22.89	23.90	1.262	0.269	/
	Level4	ON2			Back Side	15	349000	1745	1	1	0.09	0.205	22.85	23.90	1.274	0.261	/
	Level4	ON2				15	349000	1745	50	0	-0.10	0.138	22.89	23.90	1.262	0.174	/
Ant.4	Level4	N/A	DFT-s-OFDM BPSK	ENDC	Front Side	15	344000	1720	1	1	-0.14	0.018	22.97	23.70	1.183	0.021	/
	Level4	N/A				15	349000	1745	50	0	0.06	0.021	22.86	23.70	1.213	0.025	/
	Level4	N/A			Back Side	15	344000	1720	1	1	0.09	0.022	22.97	23.70	1.183	0.026	/
	Level4	N/A				15	349000	1745	50	0	-0.19	0.028	22.86	23.70	1.213	0.034	/
Hotspot																	
Ant.1	Level5&6	OFF	DFT-s-OFDM BPSK	ENDC	Front Side	10	349000	1745	1	1	0.05	0.330	22.85	23.90	1.274	0.420	/
	Level5&6	OFF				10	349000	1745	50	0	-0.09	0.305	22.89	23.90	1.262	0.385	/
	Level5&6	ON2			Back Side	10	349000	1745	1	1	0.11	0.335	19.89	20.40	1.125	0.377	/
	Level5&6	ON2				10	349000	1745	50	0	0.02	0.258	19.92	20.40	1.117	0.288	/
	Level5&6	OFF			Right Edge	10	349000	1745	1	1	-0.14	0.049	22.85	23.90	1.274	0.063	/

	Level5&6	OFF				10	349000	1745	50	0	-0.14	0.052	22.89	23.90	1.262	0.066	/
	Level5&6	ON2			Top Edge	10	349000	1745	1	1	0.17	0.401	19.89	20.40	1.125	**0.451**	59#
	Level5&6	ON2				10	349000	1745	50	0	0.08	0.363	19.92	20.40	1.117	0.406	/
Ant.4	Level5&6	N/A	DFT-s-OFDM BPSK	ENDC	Front Side	10	349000	1745	1	1	0.07	0.038	22.94	23.20	1.062	0.040	/
	Level5&6	N/A				10	344000	1720	50	0	-0.14	0.043	22.93	23.20	1.064	0.046	/
	Level5&6	N/A			Back Side	10	349000	1745	1	1	0.03	0.049	22.94	23.20	1.062	0.052	/
	Level5&6	N/A				10	344000	1720	50	0	-0.03	0.057	22.93	23.20	1.064	0.061	/
	Level5&6	N/A			Right Edge	10	344000	1720	1	1	0.06	0.020	22.94	23.20	1.062	0.021	/
	Level5&6	N/A				10	354000	1770	50	0	-0.09	0.023	22.93	23.20	1.064	0.024	/
	Level5&6	N/A			Top Edge	10	349000	1745	1	1	0.01	0.015	22.94	23.20	1.062	0.016	/
	Level5&6	N/A				10	344000	1720	50	0	-0.15	0.017	22.93	23.20	1.064	0.018	/
P-sensor Off																	
Ant.1	Full	OFF	DFT-s-OFDM BPSK	ENDC	Back Side	14	349000	1745	23	1	0.05	0.282	22.84	23.90	1.276	0.360	/
	Full	OFF			Top Edge	13	349000	1745	23	1	0.16	0.388	22.84	23.90	1.276	0.495	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.23 WIFI 2.4GHz

Antenna	Power Reduction	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.7	Level1	N/A	802.11 b	Left Cheek	0	6	2437	-0.07	0.778	99.22	1.008	16.76	17.00	1.057	0.829	/
	Level1	N/A			0	1	2412	-0.02	0.827	99.22	1.008	16.75	17.00	1.059	**0.883**	60#
	Level1	N/A			0	11	2462	0.11	0.696	99.22	1.008	16.31	17.00	1.172	0.822	/
	Level1	N/A		Left Tilt	0	6	2437	-0.11	0.521	99.22	1.008	16.76	17.00	1.057	0.555	/
	Level1	N/A		Right Cheek	0	6	2437	-0.12	0.335	99.22	1.008	16.76	17.00	1.057	0.357	/
	Level1	N/A		Right Tilt	0	6	2437	0.04	0.412	99.22	1.008	16.76	17.00	1.057	0.439	/
Ant.7	Level2	N/A	802.11 b	Left Cheek	0	6	2437	-0.19	0.390	99.22	1.008	13.93	14.00	1.016	0.399	/
	Level2	N/A		Left Tilt	0	6	2437	-0.08	0.261	99.22	1.008	13.93	14.00	1.016	0.267	/
	Level2	N/A		Right Cheek	0	6	2437	0.19	0.168	99.22	1.008	13.93	14.00	1.016	0.172	/
	Level2	N/A		Right Tilt	0	6	2437	-0.09	0.206	99.22	1.008	13.93	14.00	1.016	0.211	/
Body-worn Accessory																
Ant.7	Level3	OFF	802.11 b	Front Side	15	6	2437	0.09	0.105	99.22	1.008	16.76	17.00	1.057	0.112	/
	Level3	OFF		Back Side	15	6	2437	0.40	0.115	99.22	1.008	16.76	17.00	1.057	**0.122**	61#
Hotspot																
Ant.7	Level4	OFF	802.11 b	Front Side	10	6	2437	0.15	0.114	99.22	1.008	16.76	17.00	1.057	0.121	/
	Level4	OFF		Back Side	10	6	2437	0.02	0.127	99.22	1.008	16.76	17.00	1.057	0.135	/
	Level4	OFF		Left Edge	10	6	2437	-0.07	0.088	99.22	1.008	16.76	17.00	1.057	0.094	/
	Level4	OFF		Right Edge	10	6	2437	0.19	0.016	99.22	1.008	16.76	17.00	1.057	0.017	/
	Level4	OFF		Top Edge	10	6	2437	-0.01	0.186	99.22	1.008	16.76	17.00	1.057	**0.198**	62#
	Level4	OFF		Bottom Edge	10	6	2437	0.14	0.008	99.22	1.008	16.76	17.00	1.057	0.009	/

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

11.24 WIFI 5GHz

Antenna	Power Reduction	Distance Sensor	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.7	Level1	N/A	5.3G	802.11a	Left Cheek	0	52	5260	0.18	0.796	95.22	1.050	14.18	15.00	1.208	**1.010**	63#
	Level1	N/A				0	64	5320	0.05	0.683	95.22	1.050	14.12	15.00	1.225	0.879	/
	Level1	N/A			Left Tilt	0	52	5260	-0.12	0.683	95.22	1.050	14.18	15.00	1.208	0.867	/
	Level1	N/A				0	64	5320	-0.13	0.598	95.22	1.050	14.12	15.00	1.225	0.769	/
	Level1	N/A			Right Cheek	0	52	5260	0.13	0.125	95.22	1.050	14.18	15.00	1.208	0.158	/
	Level1	N/A			Right Tilt	0	52	5260	0.10	0.144	95.22	1.050	14.18	15.00	1.208	0.183	/
Ant.7	Level2	N/A	5.3G	802.11a	Left Cheek	0	52	5260	0.05	0.251	95.22	1.050	9.68	10.00	1.076	0.284	/
	Level2	N/A			Left Tilt	0	52	5260	0.16	0.217	95.22	1.050	9.68	10.00	1.076	0.246	/
	Level2	N/A			Right Cheek	0	52	5260	-0.07	0.041	95.22	1.050	9.68	10.00	1.076	0.046	/
	Level2	N/A			Right Tilt	0	52	5260	-0.13	0.047	95.22	1.050	9.68	10.00	1.076	0.053	/
Ant.7	Level1	N/A	5.6G	802.11a	Left Cheek	0	116	5580	-0.12	0.534	95.22	1.050	14.79	15.00	1.050	**0.589**	64#
	Level1	N/A			Left Tilt	0	116	5580	0.09	0.478	95.22	1.050	14.79	15.00	1.050	0.526	/
	Level1	N/A			Right Cheek	0	116	5580	0.03	0.184	95.22	1.050	14.79	15.00	1.050	0.202	/
	Level1	N/A			Right Tilt	0	116	5580	-0.02	0.194	95.22	1.050	14.79	15.00	1.050	0.214	/
Ant.7	Level2	N/A	5.6G	802.11a	Left Cheek	0	116	5580	-0.03	0.172	95.22	1.050	9.71	10.00	1.069	0.193	/
	Level2	N/A			Left Tilt	0	116	5580	-0.03	0.153	95.22	1.050	9.71	10.00	1.069	0.172	/
	Level2	N/A			Right Cheek	0	116	5580	-0.05	0.060	95.22	1.050	9.71	10.00	1.069	0.068	/
	Level2	N/A			Right Tilt	0	116	5580	-0.18	0.063	95.22	1.050	9.71	10.00	1.069	0.071	/
Ant.7	Level1	N/A	5.8G	802.11a	Left Cheek	0	157	5785	-0.17	0.584	95.22	1.050	14.87	15.00	1.030	**0.632**	65#
	Level1	N/A			Left Tilt	0	157	5785	-0.04	0.570	95.22	1.050	14.87	15.00	1.030	0.616	/
	Level1	N/A			Right Cheek	0	157	5785	-0.08	0.349	95.22	1.050	14.87	15.00	1.030	0.378	/
	Level1	N/A			Right Tilt	0	157	5785	0.06	0.355	95.22	1.050	14.87	15.00	1.030	0.384	/
Ant.7	Level2	N/A	5.8G	802.11a	Left Cheek	0	157	5785	-0.12	0.185	95.22	1.050	9.88	10.00	1.028	0.199	/
	Level2	N/A			Left Tilt	0	157	5785	-0.08	0.180	95.22	1.050	9.88	10.00	1.028	0.194	/
	Level2	N/A			Right Cheek	0	157	5785	-0.09	0.110	95.22	1.050	9.88	10.00	1.028	0.119	/
	Level2	N/A			Right Tilt	0	157	5785	0.06	0.112	95.22	1.050	9.88	10.00	1.028	0.121	/
Body-worn Accessory																	
Ant.7	Level3	OFF	5.3G	802.11a	Front Side	15	52	5260	0.12	0.152	95.22	1.050	18.43	19.50	1.279	0.204	/
	Level3	OFF			Back Side	15	52	5260	0.11	0.300	95.22	1.050	18.43	19.50	1.279	**0.403**	66#
Ant.7	Level3	OFF	5.6G	802.11a	Front Side	15	116	5580	-0.06	0.099	95.22	1.050	18.50	19.50	1.259	0.131	/
	Level3	OFF			Back Side	15	116	5580	-0.12	0.383	95.22	1.050	18.50	19.50	1.259	**0.506**	67#
Ant.7	Level3	OFF	5.8G	802.11a	Front Side	15	157	5785	-0.18	0.094	95.22	1.050	18.40	19.50	1.288	0.127	/
	Level3	OFF			Back Side	15	157	5785	-0.14	0.500	95.22	1.050	18.40	19.50	1.288	**0.676**	68#
Hotspot																	
Ant.7	Level4	OFF	5.2G	802.11a	Front Side	10	36	5180	0.10	0.134	95.22	1.050	15.99	16.00	1.002	0.141	/
	Level4	OFF			Back Side	10	36	5180	0.03	0.232	95.22	1.050	15.99	16.00	1.002	0.244	/
	Level4	OFF			Left Edge	10	36	5180	-0.01	0.264	95.22	1.050	15.99	16.00	1.002	**0.278**	69#
	Level4	OFF			Right Edge	10	36	5180	0.17	0.029	95.22	1.050	15.99	16.00	1.002	0.030	/
	Level4	OFF			Top Edge	10	36	5180	-0.03	0.251	95.22	1.050	15.99	16.00	1.002	0.264	/

	Level4	OFF			Bottom Edge	10	36	5180	0.10	0.006	95.22	1.050	15.99	16.00	1.002	0.006	/
Ant.7	Level4	OFF	5.8G	802.11a	Front Side	10	157	5785	0.03	0.096	95.22	1.050	15.66	16.00	1.081	0.109	/
	Level4	OFF			Back Side	10	157	5785	-0.19	0.432	95.22	1.050	15.66	16.00	1.081	**0.491**	70#
	Level4	OFF			Left Edge	10	157	5785	0.10	0.332	95.22	1.050	15.66	16.00	1.081	0.377	/
	Level4	OFF			Right Edge	10	157	5785	0.02	0.037	95.22	1.050	15.66	16.00	1.081	0.042	/
	Level4	OFF			Top Edge	10	157	5785	-0.11	0.382	95.22	1.050	15.66	16.00	1.081	0.434	/
	Level4	OFF			Bottom Edge	10	157	5785	0.01	0.009	95.22	1.050	15.66	16.00	1.081	0.010	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

Antenna	Power Reduction	Distance Sensor	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant.7	Level3	ON2	5.3G	802.11a	Front Side	0	52	5260	0.10	1.170	95.22	1.050	18.43	19.50	1.279	1.572	/
	Level3	ON2			Back Side	0	52	5260	0.07	0.964	95.22	1.050	18.43	19.50	1.279	1.295	/
	Level3	ON2			Left Edge	0	52	5260	0.08	1.370	95.22	1.050	18.43	19.50	1.279	**1.841**	71#
	Level3	OFF			Right Edge	0	52	5260	-0.10	0.045	95.22	1.050	18.43	19.50	1.279	0.060	/
	Level3	ON2			Top Edge	0	52	5260	-0.01	1.010	95.22	1.050	18.43	19.50	1.279	1.357	/
	Level3	OFF			Bottom Edge	0	52	5260	0.19	0.015	95.22	1.050	18.43	19.50	1.279	0.020	/
Ant.7	Level3	ON2	5.8G	802.11a	Front Side	0	116	5580	0.19	0.712	95.22	1.050	18.50	19.50	1.259	0.941	/
	Level3	ON2			Back Side	0	116	5580	0.04	0.772	95.22	1.050	18.50	19.50	1.259	1.021	/
	Level3	ON2			Left Edge	0	116	5580	0.16	0.789	95.22	1.050	18.50	19.50	1.259	1.043	/
	Level3	OFF			Right Edge	0	116	5580	0.13	0.026	95.22	1.050	18.50	19.50	1.259	0.034	/
	Level3	ON2			Top Edge	0	116	5580	-0.18	0.807	95.22	1.050	18.50	19.50	1.259	**1.067**	72#
	Level3	OFF			Bottom Edge	0	116	5580	-0.05	0.013	95.22	1.050	18.50	19.50	1.259	0.017	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.25 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.7	DH5	Left Cheek	0	39	2441	-0.11	0.135	76.68	1.304	13.19	15.00	1.517	**0.267**	73#
		Left Tilt	0	39	2441	-0.15	0.101	76.68	1.304	13.19	15.00	1.517	0.200	/
		Right Cheek	0	39	2441	-0.11	0.061	76.68	1.304	13.19	15.00	1.517	0.121	/
		Right Tilt	0	39	2441	-0.17	0.056	76.68	1.304	13.19	15.00	1.517	0.111	/
Body-worn Accessory														
Ant.7	DH5	Front Side	15	39	2441	-0.01	0.006	76.68	1.304	13.19	15.00	1.517	0.012	/
		Back Side	15	39	2441	-0.03	0.013	76.68	1.304	13.19	15.00	1.517	**0.027**	74#
Ant.7	DH5	Front Side	10	39	2441	-0.08	0.009	76.68	1.304	13.19	15.00	1.517	0.018	/
		Back Side	10	39	2441	-0.07	0.011	76.68	1.304	13.19	15.00	1.517	0.022	/
		Left Edge	10	39	2441	0.08	0.007	76.68	1.304	13.19	15.00	1.517	0.014	/
		Right Edge	10	39	2441	0.16	0.003	76.68	1.304	13.19	15.00	1.517	0.006	/
		Top Edge	10	39	2441	-0.09	0.015	76.68	1.304	13.19	15.00	1.517	**0.030**	75#
		Bottom Edge	10	39	2441	0.05	0.002	76.68	1.304	13.19	15.00	1.517	0.004	/
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
826.4	WCDMA Band 5	Head	Right Cheek	0.825	Yes	0.819	1.01
841.5	LTE Band 26	Head	Right Cheek	0.826	Yes	0.811	1.02
2595	5G n38	Head	Right Cheek	0.806	Yes	0.795	1.01
2412	WIFI 2.4GHz	Head	Left Cheek	0.827	Yes	0.816	1.01
Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required.							

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

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	WIFI5G+BT	Yes	Yes	Yes	Yes
2	WWAN+WIFI2.4G	Yes	Yes	Yes	Yes
3	WWAN+BT	Yes	Yes	Yes	Yes
4	WWAN+WIFI5G	Yes	Yes	Yes	Yes
5	WWAN+WIFI5G+BT	Yes	Yes	Yes	Yes

Note:

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

13.2 Sum SAR of Simultaneous Transmission

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

Band	Antenna	Position	Stand alone SAR						SUM SAR			
			1	2	3	4	5	6				
			WWAN	2.4G WIFI	5.3G WIFI	5.6G WIFI	5.8G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3+6)	Sum SAR (1+4+6)	Sum SAR (1+5+6)
GSM850	ANT1	Left Cheek	0.557	0.399	0.284	0.193	0.199	0.267	0.956	1.108	1.017	1.023
	ANT1	Left Tilt	0.475	0.267	0.246	0.172	0.194	0.200	0.742	0.921	0.847	0.869
	ANT1	Right Cheek	0.698	0.172	0.046	0.068	0.119	0.121	0.870	0.865	0.887	0.938
	ANT1	Right Tilt	0.607	0.211	0.053	0.071	0.121	0.111	0.818	0.771	0.789	0.839
GSM850	ANT0	Left Cheek	0.177	0.399	0.284	0.193	0.199	0.267	0.576	0.728	0.637	0.643
	ANT0	Left Tilt	0.083	0.267	0.246	0.172	0.194	0.200	0.350	0.529	0.455	0.477
	ANT0	Right Cheek	0.117	0.172	0.046	0.068	0.119	0.121	0.289	0.284	0.306	0.357
	ANT0	Right Tilt	0.067	0.211	0.053	0.071	0.121	0.111	0.278	0.231	0.249	0.299
GSM1900	ANT1	Left Cheek	0.283	0.399	0.284	0.193	0.199	0.267	0.682	0.834	0.743	0.749
	ANT1	Left Tilt	0.382	0.267	0.246	0.172	0.194	0.200	0.649	0.828	0.754	0.776
	ANT1	Right Cheek	0.456	0.172	0.046	0.068	0.119	0.121	0.628	0.623	0.645	0.696
	ANT1	Right Tilt	0.523	0.211	0.053	0.071	0.121	0.111	0.734	0.687	0.705	0.755
GSM1900	ANT0	Left Cheek	0.054	0.399	0.284	0.193	0.199	0.267	0.453	0.605	0.514	0.520
	ANT0	Left Tilt	0.039	0.267	0.246	0.172	0.194	0.200	0.306	0.485	0.411	0.433
	ANT0	Right Cheek	0.043	0.172	0.046	0.068	0.119	0.121	0.215	0.210	0.232	0.283
	ANT0	Right Tilt	0.051	0.211	0.053	0.071	0.121	0.111	0.262	0.215	0.233	0.283
WCDMA B2	ANT1	Left Cheek	0.380	0.399	0.284	0.193	0.199	0.267	0.779	0.931	0.840	0.846
	ANT1	Left Tilt	0.472	0.267	0.246	0.172	0.194	0.200	0.739	0.918	0.844	0.866
	ANT1	Right Cheek	0.536	0.172	0.046	0.068	0.119	0.121	0.708	0.703	0.725	0.776
	ANT1	Right Tilt	0.676	0.211	0.053	0.071	0.121	0.111	0.887	0.840	0.858	0.908
WCDMA B2	ANT0	Left Cheek	0.114	0.399	0.284	0.193	0.199	0.267	0.513	0.665	0.574	0.580
	ANT0	Left Tilt	0.076	0.267	0.246	0.172	0.194	0.200	0.343	0.522	0.448	0.470
	ANT0	Right Cheek	0.079	0.172	0.046	0.068	0.119	0.121	0.251	0.246	0.268	0.319
	ANT0	Right Tilt	0.097	0.211	0.053	0.071	0.121	0.111	0.308	0.261	0.279	0.329
WCDMA B4	ANT1	Left Cheek	0.331	0.399	0.284	0.193	0.199	0.267	0.730	0.882	0.791	0.797
	ANT1	Left Tilt	0.398	0.267	0.246	0.172	0.194	0.200	0.665	0.844	0.770	0.792
	ANT1	Right Cheek	0.494	0.172	0.046	0.068	0.119	0.121	0.666	0.661	0.683	0.734
	ANT1	Right Tilt	0.576	0.211	0.053	0.071	0.121	0.111	0.787	0.740	0.758	0.808
WCDMA B4	ANT0	Left Cheek	0.071	0.399	0.284	0.193	0.199	0.267	0.470	0.622	0.531	0.537
	ANT0	Left Tilt	0.017	0.267	0.246	0.172	0.194	0.200	0.284	0.463	0.389	0.411
	ANT0	Right Cheek	0.060	0.172	0.046	0.068	0.119	0.121	0.232	0.227	0.249	0.300
	ANT0	Right Tilt	0.043	0.211	0.053	0.071	0.121	0.111	0.254	0.207	0.225	0.275
WCDMA B5	ANT1	Left Cheek	0.603	0.399	0.284	0.193	0.199	0.267	1.002	**1.154**	1.063	1.069
	ANT1	Left Tilt	0.564	0.267	0.246	0.172	0.194	0.200	0.831	1.010	0.936	0.958
	ANT1	Right Cheek	0.791	0.172	0.046	0.068	0.119	0.121	0.963	0.958	0.980	1.031
	ANT1	Right Tilt	0.564	0.211	0.053	0.071	0.121	0.111	0.775	0.728	0.746	0.796

WCDMA B5	ANT0	Left Cheek	0.187	0.399	0.284	0.193	0.199	0.267	0.586	0.738	0.647	0.653
	ANT0	Left Tilt	0.094	0.267	0.246	0.172	0.194	0.200	0.361	0.540	0.466	0.488
	ANT0	Right Cheek	0.129	0.172	0.046	0.068	0.119	0.121	0.301	0.296	0.318	0.369
	ANT0	Right Tilt	0.073	0.211	0.053	0.071	0.121	0.111	0.284	0.237	0.255	0.305
LTE B2	ANT1	Left Cheek	0.468	0.399	0.284	0.193	0.199	0.267	0.867	1.019	0.928	0.934
	ANT1	Left Tilt	0.609	0.267	0.246	0.172	0.194	0.200	0.876	1.055	0.981	1.003
	ANT1	Right Cheek	0.699	0.172	0.046	0.068	0.119	0.121	0.871	0.866	0.888	0.939
	ANT1	Right Tilt	0.854	0.211	0.053	0.071	0.121	0.111	1.065	1.018	1.036	1.086
LTE B2	ANT0	Left Cheek	0.143	0.399	0.284	0.193	0.199	0.267	0.542	0.694	0.603	0.609
	ANT0	Left Tilt	0.090	0.267	0.246	0.172	0.194	0.200	0.357	0.536	0.462	0.484
	ANT0	Right Cheek	0.094	0.172	0.046	0.068	0.119	0.121	0.266	0.261	0.283	0.334
	ANT0	Right Tilt	0.124	0.211	0.053	0.071	0.121	0.111	0.335	0.288	0.306	0.356
LTE B4	ANT1	Left Cheek	0.369	0.399	0.284	0.193	0.199	0.267	0.768	0.920	0.829	0.835
	ANT1	Left Tilt	0.462	0.267	0.246	0.172	0.194	0.200	0.729	0.908	0.834	0.856
	ANT1	Right Cheek	0.570	0.172	0.046	0.068	0.119	0.121	0.742	0.737	0.759	0.810
	ANT1	Right Tilt	0.658	0.211	0.053	0.071	0.121	0.111	0.869	0.822	0.840	0.890
LTE B4	ANT0	Left Cheek	0.091	0.399	0.284	0.193	0.199	0.267	0.490	0.642	0.551	0.557
	ANT0	Left Tilt	0.043	0.267	0.246	0.172	0.194	0.200	0.310	0.489	0.415	0.437
	ANT0	Right Cheek	0.079	0.172	0.046	0.068	0.119	0.121	0.251	0.246	0.268	0.319
	ANT0	Right Tilt	0.064	0.211	0.053	0.071	0.121	0.111	0.275	0.228	0.246	0.296
LTE B5	ANT1	Left Cheek	0.571	0.399	0.284	0.193	0.199	0.267	0.970	1.122	1.031	1.037
	ANT1	Left Tilt	0.497	0.267	0.246	0.172	0.194	0.200	0.764	0.943	0.869	0.891
	ANT1	Right Cheek	0.793	0.172	0.046	0.068	0.119	0.121	0.965	0.960	0.982	1.033
	ANT1	Right Tilt	0.632	0.211	0.053	0.071	0.121	0.111	0.843	0.796	0.814	0.864
LTE B5	ANT0	Left Cheek	0.192	0.399	0.284	0.193	0.199	0.267	0.591	0.743	0.652	0.658
	ANT0	Left Tilt	0.096	0.267	0.246	0.172	0.194	0.200	0.363	0.542	0.468	0.490
	ANT0	Right Cheek	0.147	0.172	0.046	0.068	0.119	0.121	0.319	0.314	0.336	0.387
	ANT0	Right Tilt	0.086	0.211	0.053	0.071	0.121	0.111	0.297	0.250	0.268	0.318
LTE B7	ANT1	Left Cheek	0.186	0.399	0.284	0.193	0.199	0.267	0.585	0.737	0.646	0.652
	ANT1	Left Tilt	0.173	0.267	0.246	0.172	0.194	0.200	0.440	0.619	0.545	0.567
	ANT1	Right Cheek	0.593	0.172	0.046	0.068	0.119	0.121	0.765	0.760	0.782	0.833
	ANT1	Right Tilt	0.484	0.211	0.053	0.071	0.121	0.111	0.695	0.648	0.666	0.716
LTE B7	ANT0	Left Cheek	0.221	0.399	0.284	0.193	0.199	0.267	0.620	0.772	0.681	0.687
	ANT0	Left Tilt	0.147	0.267	0.246	0.172	0.194	0.200	0.414	0.593	0.519	0.541
	ANT0	Right Cheek	0.349	0.172	0.046	0.068	0.119	0.121	0.521	0.516	0.538	0.589
	ANT0	Right Tilt	0.196	0.211	0.053	0.071	0.121	0.111	0.407	0.360	0.378	0.428
LTE B12	ANT1	Left Cheek	0.310	0.399	0.284	0.193	0.199	0.267	0.709	0.861	0.770	0.776
	ANT1	Left Tilt	0.291	0.267	0.246	0.172	0.194	0.200	0.558	0.737	0.663	0.685
	ANT1	Right Cheek	0.493	0.172	0.046	0.068	0.119	0.121	0.665	0.660	0.682	0.733
	ANT1	Right Tilt	0.396	0.211	0.053	0.071	0.121	0.111	0.607	0.560	0.578	0.628
LTE B12	ANT0	Left Cheek	0.104	0.399	0.284	0.193	0.199	0.267	0.503	0.655	0.564	0.570
	ANT0	Left Tilt	0.034	0.267	0.246	0.172	0.194	0.200	0.301	0.480	0.406	0.428
	ANT0	Right Cheek	0.081	0.172	0.046	0.068	0.119	0.121	0.253	0.248	0.270	0.321
	ANT0	Right Tilt	0.053	0.211	0.053	0.071	0.121	0.111	0.264	0.217	0.235	0.285
LTE B26	ANT1	Left Cheek	0.570	0.399	0.284	0.193	0.199	0.267	0.969	1.121	1.030	1.036

	ANT1	Left Tilt	0.519	0.267	0.246	0.172	0.194	0.200	0.786	0.965	0.891	0.913
	ANT1	Right Cheek	0.784	0.172	0.046	0.068	0.119	0.121	0.956	0.951	0.973	1.024
	ANT1	Right Tilt	0.720	0.211	0.053	0.071	0.121	0.111	0.931	0.884	0.902	0.952
LTE B26	ANT0	Left Cheek	0.149	0.399	0.284	0.193	0.199	0.267	0.548	0.700	0.609	0.615
	ANT0	Left Tilt	0.077	0.267	0.246	0.172	0.194	0.200	0.344	0.523	0.449	0.471
	ANT0	Right Cheek	0.118	0.172	0.046	0.068	0.119	0.121	0.290	0.285	0.307	0.358
	ANT0	Right Tilt	0.076	0.211	0.053	0.071	0.121	0.111	0.287	0.240	0.258	0.308
LTE B66	ANT1	Left Cheek	0.339	0.399	0.284	0.193	0.199	0.267	0.738	0.890	0.799	0.805
	ANT1	Left Tilt	0.427	0.267	0.246	0.172	0.194	0.200	0.694	0.873	0.799	0.821
	ANT1	Right Cheek	0.578	0.172	0.046	0.068	0.119	0.121	0.750	0.745	0.767	0.818
	ANT1	Right Tilt	0.597	0.211	0.053	0.071	0.121	0.111	0.808	0.761	0.779	0.829
LTE B66	ANT0	Left Cheek	0.082	0.399	0.284	0.193	0.199	0.267	0.481	0.633	0.542	0.548
	ANT0	Left Tilt	0.043	0.267	0.246	0.172	0.194	0.200	0.310	0.489	0.415	0.437
	ANT0	Right Cheek	0.066	0.172	0.046	0.068	0.119	0.121	0.238	0.233	0.255	0.306
	ANT0	Right Tilt	0.058	0.211	0.053	0.071	0.121	0.111	0.269	0.222	0.240	0.290
LTE B38	ANT1	Left Cheek	0.230	0.399	0.284	0.193	0.199	0.267	0.629	0.781	0.690	0.696
	ANT1	Left Tilt	0.201	0.267	0.246	0.172	0.194	0.200	0.468	0.647	0.573	0.595
	ANT1	Right Cheek	0.656	0.172	0.046	0.068	0.119	0.121	0.828	0.823	0.845	0.896
	ANT1	Right Tilt	0.541	0.211	0.053	0.071	0.121	0.111	0.752	0.705	0.723	0.773
LTE B38	ANT0	Left Cheek	0.152	0.399	0.284	0.193	0.199	0.267	0.551	0.703	0.612	0.618
	ANT0	Left Tilt	0.097	0.267	0.246	0.172	0.194	0.200	0.364	0.543	0.469	0.491
	ANT0	Right Cheek	0.248	0.172	0.046	0.068	0.119	0.121	0.420	0.415	0.437	0.488
	ANT0	Right Tilt	0.100	0.211	0.053	0.071	0.121	0.111	0.311	0.264	0.282	0.332
LTE B41	ANT1	Left Cheek	0.225	0.399	0.284	0.193	0.199	0.267	0.624	0.776	0.685	0.691
	ANT1	Left Tilt	0.203	0.267	0.246	0.172	0.194	0.200	0.470	0.649	0.575	0.597
	ANT1	Right Cheek	0.669	0.172	0.046	0.068	0.119	0.121	0.841	0.836	0.858	0.909
	ANT1	Right Tilt	0.546	0.211	0.053	0.071	0.121	0.111	0.757	0.710	0.728	0.778
LTE B41	ANT0	Left Cheek	0.149	0.399	0.284	0.193	0.199	0.267	0.548	0.700	0.609	0.615
	ANT0	Left Tilt	0.100	0.267	0.246	0.172	0.194	0.200	0.367	0.546	0.472	0.494
	ANT0	Right Cheek	0.254	0.172	0.046	0.068	0.119	0.121	0.426	0.421	0.443	0.494
	ANT0	Right Tilt	0.107	0.211	0.053	0.071	0.121	0.111	0.318	0.271	0.289	0.339
5G N5	ANT1	Left Cheek	0.480	0.399	0.284	0.193	0.199	0.267	0.879	1.031	0.940	0.946
	ANT1	Left Tilt	0.426	0.267	0.246	0.172	0.194	0.200	0.693	0.872	0.798	0.820
	ANT1	Right Cheek	0.549	0.172	0.046	0.068	0.119	0.121	0.721	0.716	0.738	0.789
	ANT1	Right Tilt	0.540	0.211	0.053	0.071	0.121	0.111	0.751	0.704	0.722	0.772
5G N5	ANT0	Left Cheek	0.108	0.399	0.284	0.193	0.199	0.267	0.507	0.659	0.568	0.574
	ANT0	Left Tilt	0.060	0.267	0.246	0.172	0.194	0.200	0.327	0.506	0.432	0.454
	ANT0	Right Cheek	0.024	0.172	0.046	0.068	0.119	0.121	0.196	0.191	0.213	0.264
	ANT0	Right Tilt	0.013	0.211	0.053	0.071	0.121	0.111	0.224	0.177	0.195	0.245
5G N7	ANT1	Left Cheek	0.204	0.399	0.284	0.193	0.199	0.267	0.603	0.755	0.664	0.670
	ANT1	Left Tilt	0.217	0.267	0.246	0.172	0.194	0.200	0.484	0.663	0.589	0.611
	ANT1	Right Cheek	0.655	0.172	0.046	0.068	0.119	0.121	0.827	0.822	0.844	0.895
	ANT1	Right Tilt	0.565	0.211	0.053	0.071	0.121	0.111	0.776	0.729	0.747	0.797
5G N7	ANT0	Left Cheek	0.250	0.399	0.284	0.193	0.199	0.267	0.649	0.801	0.710	0.716
	ANT0	Left Tilt	0.159	0.267	0.246	0.172	0.194	0.200	0.426	0.605	0.531	0.553

	ANT0	Right Cheek	0.296	0.172	0.046	0.068	0.119	0.121	0.468	0.463	0.485	0.536
	ANT0	Right Tilt	0.211	0.211	0.053	0.071	0.121	0.111	0.422	0.375	0.393	0.443
5G N38	ANT1	Left Cheek	0.310	0.399	0.284	0.193	0.199	0.267	0.709	0.861	0.770	0.776
	ANT1	Left Tilt	0.266	0.267	0.246	0.172	0.194	0.200	0.533	0.712	0.638	0.660
	ANT1	Right Cheek	0.783	0.172	0.046	0.068	0.119	0.121	0.955	0.950	0.972	1.023
	ANT1	Right Tilt	0.685	0.211	0.053	0.071	0.121	0.111	0.896	0.849	0.867	0.917
5G N38	ANT0	Left Cheek	0.196	0.399	0.284	0.193	0.199	0.267	0.595	0.747	0.656	0.662
	ANT0	Left Tilt	0.121	0.267	0.246	0.172	0.194	0.200	0.388	0.567	0.493	0.515
	ANT0	Right Cheek	0.284	0.172	0.046	0.068	0.119	0.121	0.456	0.451	0.473	0.524
	ANT0	Right Tilt	0.149	0.211	0.053	0.071	0.121	0.111	0.360	0.313	0.331	0.381
5G N41	ANT1	Left Cheek	0.117	0.399	0.284	0.193	0.199	0.267	0.516	0.668	0.577	0.583
	ANT1	Left Tilt	0.114	0.267	0.246	0.172	0.194	0.200	0.381	0.560	0.486	0.508
	ANT1	Right Cheek	0.367	0.172	0.046	0.068	0.119	0.121	0.539	0.534	0.556	0.607
	ANT1	Right Tilt	0.300	0.211	0.053	0.071	0.121	0.111	0.511	0.464	0.482	0.532
5G N41	ANT0	Left Cheek	0.249	0.399	0.284	0.193	0.199	0.267	0.648	0.800	0.709	0.715
	ANT0	Left Tilt	0.179	0.267	0.246	0.172	0.194	0.200	0.446	0.625	0.551	0.573
	ANT0	Right Cheek	0.353	0.172	0.046	0.068	0.119	0.121	0.525	0.520	0.542	0.593
	ANT0	Right Tilt	0.165	0.211	0.053	0.071	0.121	0.111	0.376	0.329	0.347	0.397

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

13.2.2 Head Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN and Bluetooth

EN-DC Configuratoin	LTE ANT	NR ANT	Position	Stand alone SAR								SUM SAR			
				1	2	3	4	5	6	7	8				
				LTE	NR	EN_DC	2.4G WIFI	5.3G WIFI	5.6G WIFI	5.8G WIFI	Blueto oth	Sum SAR (3+4)	Sum SAR (3+5+8)	Sum SAR (3+6+8)	Sum SAR (3+7+8)
DC_7A_n5A	ANT4	ANT0	Left Cheek	0.163	0.108	0.271	0.399	0.284	0.193	0.199	0.267	0.670	0.822	0.731	0.737
			Left Tilt	0.075	0.060	0.135	0.267	0.246	0.172	0.194	0.200	0.402	0.581	0.507	0.529
			Right Cheek	0.368	0.024	0.392	0.172	0.046	0.068	0.119	0.121	0.564	0.559	0.581	0.632
			Right Tilt	0.137	0.013	0.150	0.211	0.053	0.071	0.121	0.111	0.361	0.314	0.332	0.382
	ANT4	ANT1	Left Cheek	0.163	0.291	0.454	0.399	0.284	0.193	0.199	0.267	0.853	1.005	0.914	0.920
			Left Tilt	0.075	0.259	0.334	0.267	0.246	0.172	0.194	0.200	0.601	0.780	0.706	0.728
			Right Cheek	0.368	0.332	0.700	0.172	0.046	0.068	0.119	0.121	0.872	0.867	0.889	0.940
			Right Tilt	0.137	0.327	0.464	0.211	0.053	0.071	0.121	0.111	0.675	0.628	0.646	0.696
	ANT1	ANT0	Left Cheek	0.109	0.108	0.217	0.399	0.284	0.193	0.199	0.267	0.616	0.768	0.677	0.683
			Left Tilt	0.121	0.060	0.181	0.267	0.246	0.172	0.194	0.200	0.448	0.627	0.553	0.575
			Right Cheek	0.301	0.024	0.325	0.172	0.046	0.068	0.119	0.121	0.497	0.492	0.514	0.565
			Right Tilt	0.344	0.013	0.357	0.211	0.053	0.071	0.121	0.111	0.568	0.521	0.539	0.589
	ANT1	ANT1	Left Cheek	0.109	0.291	0.400	0.399	0.284	0.193	0.199	0.267	0.799	0.951	0.860	0.866
			Left Tilt	0.121	0.259	0.380	0.267	0.246	0.172	0.194	0.200	0.647	0.826	0.752	0.774
			Right Cheek	0.301	0.332	0.633	0.172	0.046	0.068	0.119	0.121	0.805	0.800	0.822	0.873
			Right Tilt	0.344	0.327	0.671	0.211	0.053	0.071	0.121	0.111	0.882	0.835	0.853	0.903
DC_5A_n7A	ANT0	ANT4	Left Cheek	0.179	0.223	0.402	0.399	0.284	0.193	0.199	0.267	0.801	0.953	0.862	0.868
			Left Tilt	0.090	0.099	0.189	0.267	0.246	0.172	0.194	0.200	0.456	0.635	0.561	0.583
			Right Cheek	0.137	0.391	0.528	0.172	0.046	0.068	0.119	0.121	0.700	0.695	0.717	0.768
			Right Tilt	0.080	0.179	0.259	0.211	0.053	0.071	0.121	0.111	0.470	0.423	0.441	0.491
	ANT0	ANT1	Left Cheek	0.179	0.159	0.338	0.399	0.284	0.193	0.199	0.267	0.737	0.889	0.798	0.804
			Left Tilt	0.090	0.169	0.259	0.267	0.246	0.172	0.194	0.200	0.526	0.705	0.631	0.653
			Right Cheek	0.137	0.510	0.647	0.172	0.046	0.068	0.119	0.121	0.819	0.814	0.836	0.887
			Right Tilt	0.080	0.440	0.520	0.211	0.053	0.071	0.121	0.111	0.731	0.684	0.702	0.752
	ANT1	ANT4	Left Cheek	0.289	0.223	0.512	0.399	0.284	0.193	0.199	0.267	0.911	1.063	0.972	0.978
			Left Tilt	0.284	0.099	0.383	0.267	0.246	0.172	0.194	0.200	0.650	0.829	0.755	0.777
			Right Cheek	0.447	0.391	0.838	0.172	0.046	0.068	0.119	0.121	1.010	1.005	1.027	1.078
			Right Tilt	0.364	0.179	0.543	0.211	0.053	0.071	0.121	0.111	0.754	0.707	0.725	0.775
	ANT1	ANT1	Left Cheek	0.289	0.159	0.448	0.399	0.284	0.193	0.199	0.267	0.847	0.999	0.908	0.914
			Left Tilt	0.284	0.169	0.453	0.267	0.246	0.172	0.194	0.200	0.720	0.899	0.825	0.847
			Right Cheek	0.447	0.510	0.957	0.172	0.046	0.068	0.119	0.121	1.129	1.124	1.146	1.197
			Right Tilt	0.364	0.440	0.804	0.211	0.053	0.071	0.121	0.111	1.015	0.968	0.986	1.036
DC_66A_n7A	ANT0	ANT4	Left Cheek	0.082	0.223	0.305	0.399	0.284	0.193	0.199	0.267	0.704	0.856	0.765	0.771
			Left Tilt	0.043	0.099	0.142	0.267	0.246	0.172	0.194	0.200	0.409	0.588	0.514	0.536
			Right Cheek	0.066	0.391	0.457	0.172	0.046	0.068	0.119	0.121	0.629	0.624	0.646	0.697
			Right Tilt	0.058	0.179	0.237	0.211	0.053	0.071	0.121	0.111	0.448	0.401	0.419	0.469
	ANT0	ANT1	Left Cheek	0.082	0.159	0.241	0.399	0.284	0.193	0.199	0.267	0.640	0.792	0.701	0.707

			Left Tilt	0.043	0.169	0.212	0.267	0.246	0.172	0.194	0.200	0.479	0.658	0.584	0.606
			Right Cheek	0.066	0.510	0.576	0.172	0.046	0.068	0.119	0.121	0.748	0.743	0.765	0.816
			Right Tilt	0.058	0.440	0.498	0.211	0.053	0.071	0.121	0.111	0.709	0.662	0.680	0.730
	ANT3	ANT4	Left Cheek	0.024	0.223	0.247	0.399	0.284	0.193	0.199	0.267	0.646	0.798	0.707	0.713
			Left Tilt	0.010	0.099	0.109	0.267	0.246	0.172	0.194	0.200	0.376	0.555	0.481	0.503
			Right Cheek	0.034	0.391	0.425	0.172	0.046	0.068	0.119	0.121	0.597	0.592	0.614	0.665
			Right Tilt	0.014	0.179	0.193	0.211	0.053	0.071	0.121	0.111	0.404	0.357	0.375	0.425
	ANT3	ANT1	Left Cheek	0.024	0.159	0.183	0.399	0.284	0.193	0.199	0.267	0.582	0.734	0.643	0.649
			Left Tilt	0.010	0.169	0.179	0.267	0.246	0.172	0.194	0.200	0.446	0.625	0.551	0.573
			Right Cheek	0.034	0.510	0.544	0.172	0.046	0.068	0.119	0.121	0.716	0.711	0.733	0.784
			Right Tilt	0.014	0.440	0.454	0.211	0.053	0.071	0.121	0.111	0.665	0.618	0.636	0.686
DC_66A_n66A	ANT0	ANT4	Left Cheek	0.082	0.057	0.139	0.399	0.284	0.193	0.199	0.267	0.538	0.690	0.599	0.605
			Left Tilt	0.043	0.027	0.070	0.267	0.246	0.172	0.194	0.200	0.337	0.516	0.442	0.464
			Right Cheek	0.066	0.096	0.162	0.172	0.046	0.068	0.119	0.121	0.334	0.329	0.351	0.402
			Right Tilt	0.058	0.033	0.091	0.211	0.053	0.071	0.121	0.111	0.302	0.255	0.273	0.323
	ANT0	ANT1	Left Cheek	0.082	0.239	0.321	0.399	0.284	0.193	0.199	0.267	0.720	0.872	0.781	0.787
			Left Tilt	0.043	0.288	0.331	0.267	0.246	0.172	0.194	0.200	0.598	0.777	0.703	0.725
			Right Cheek	0.066	0.364	0.430	0.172	0.046	0.068	0.119	0.121	0.602	0.597	0.619	0.670
			Right Tilt	0.058	0.413	0.471	0.211	0.053	0.071	0.121	0.111	0.682	0.635	0.653	0.703
	ANT3	ANT4	Left Cheek	0.024	0.057	0.081	0.399	0.284	0.193	0.199	0.267	0.480	0.632	0.541	0.547
			Left Tilt	0.010	0.027	0.037	0.267	0.246	0.172	0.194	0.200	0.304	0.483	0.409	0.431
			Right Cheek	0.034	0.096	0.130	0.172	0.046	0.068	0.119	0.121	0.302	0.297	0.319	0.370
			Right Tilt	0.014	0.033	0.047	0.211	0.053	0.071	0.121	0.111	0.258	0.211	0.229	0.279
	ANT3	ANT1	Left Cheek	0.024	0.239	0.263	0.399	0.284	0.193	0.199	0.267	0.662	0.814	0.723	0.729
			Left Tilt	0.010	0.288	0.298	0.267	0.246	0.172	0.194	0.200	0.565	0.744	0.670	0.692
			Right Cheek	0.034	0.364	0.398	0.172	0.046	0.068	0.119	0.121	0.570	0.565	0.587	0.638
			Right Tilt	0.014	0.413	0.427	0.211	0.053	0.071	0.121	0.111	0.638	0.591	0.609	0.659
DC_7A_n66A	ANT0	ANT4	Left Cheek	0.221	0.057	0.278	0.399	0.284	0.193	0.199	0.267	0.677	0.829	0.738	0.744
			Left Tilt	0.147	0.027	0.174	0.267	0.246	0.172	0.194	0.200	0.441	0.620	0.546	0.568
			Right Cheek	0.349	0.096	0.445	0.172	0.046	0.068	0.119	0.121	0.617	0.612	0.634	0.685
			Right Tilt	0.196	0.033	0.229	0.211	0.053	0.071	0.121	0.111	0.440	0.393	0.411	0.461
	ANT0	ANT1	Left Cheek	0.221	0.239	0.460	0.399	0.284	0.193	0.199	0.267	0.859	1.011	0.920	0.926
			Left Tilt	0.147	0.288	0.435	0.267	0.246	0.172	0.194	0.200	0.702	0.881	0.807	0.829
			Right Cheek	0.349	0.364	0.713	0.172	0.046	0.068	0.119	0.121	0.885	0.880	0.902	0.953
			Right Tilt	0.196	0.413	0.609	0.211	0.053	0.071	0.121	0.111	0.820	0.773	0.791	0.841
	ANT3	ANT4	Left Cheek	0.452	0.057	0.509	0.399	0.284	0.193	0.199	0.267	0.908	1.060	0.969	0.975
			Left Tilt	0.151	0.027	0.178	0.267	0.246	0.172	0.194	0.200	0.445	0.624	0.550	0.572
			Right Cheek	0.225	0.096	0.321	0.172	0.046	0.068	0.119	0.121	0.493	0.488	0.510	0.561
			Right Tilt	0.084	0.033	0.117	0.211	0.053	0.071	0.121	0.111	0.328	0.281	0.299	0.349
	ANT3	ANT1	Left Cheek	0.452	0.239	0.691	0.399	0.284	0.193	0.199	0.267	1.090	**1.242**	1.151	1.157
			Left Tilt	0.151	0.288	0.439	0.267	0.246	0.172	0.194	0.200	0.706	0.885	0.811	0.833
			Right Cheek	0.225	0.364	0.589	0.172	0.046	0.068	0.119	0.121	0.761	0.756	0.778	0.829
			Right Tilt	0.084	0.413	0.497	0.211	0.053	0.071	0.121	0.111	0.708	0.661	0.679	0.729
DC_7A_n7A	ANT0	ANT4	Left Cheek	0.221	0.223	0.444	0.399	0.284	0.193	0.199	0.267	0.843	0.995	0.904	0.910
			Left Tilt	0.147	0.099	0.246	0.267	0.246	0.172	0.194	0.200	0.513	0.692	0.618	0.640

			Right Cheek	0.349	0.391	0.740	0.172	0.046	0.068	0.119	0.121	0.912	0.907	0.929	0.980
			Right Tilt	0.196	0.179	0.375	0.211	0.053	0.071	0.121	0.111	0.586	0.539	0.557	0.607
	ANT0	ANT1	Left Cheek	0.221	0.159	0.380	0.399	0.284	0.193	0.199	0.267	0.779	0.931	0.840	0.846
			Left Tilt	0.147	0.169	0.316	0.267	0.246	0.172	0.194	0.200	0.583	0.762	0.688	0.710
			Right Cheek	0.349	0.510	0.859	0.172	0.046	0.068	0.119	0.121	1.031	1.026	1.048	1.099
			Right Tilt	0.196	0.440	0.636	0.211	0.053	0.071	0.121	0.111	0.847	0.800	0.818	0.868
	ANT3	ANT4	Left Cheek	0.452	0.223	0.675	0.399	0.284	0.193	0.199	0.267	1.074	1.226	1.135	1.141
			Left Tilt	0.151	0.099	0.250	0.267	0.246	0.172	0.194	0.200	0.517	0.696	0.622	0.644
			Right Cheek	0.225	0.391	0.616	0.172	0.046	0.068	0.119	0.121	0.788	0.783	0.805	0.856
			Right Tilt	0.084	0.179	0.263	0.211	0.053	0.071	0.121	0.111	0.474	0.427	0.445	0.495
	ANT3	ANT1	Left Cheek	0.452	0.159	0.611	0.399	0.284	0.193	0.199	0.267	1.010	1.162	1.071	1.077
			Left Tilt	0.151	0.169	0.320	0.267	0.246	0.172	0.194	0.200	0.587	0.766	0.692	0.714
			Right Cheek	0.225	0.510	0.735	0.172	0.046	0.068	0.119	0.121	0.907	0.902	0.924	0.975
			Right Tilt	0.084	0.440	0.524	0.211	0.053	0.071	0.121	0.111	0.735	0.688	0.706	0.756

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 1.242 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 Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR						SUM SAR			
			1	2	3	4	5	6				
			WWAN	2.4G WIFI	5.3G WIFI	5.6G WIFI	5.8G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3+6)	Sum SAR (1+4+6)	Sum SAR (1+5+6)
GSM850	ANT1	Front Side 15mm	0.220	0.112	0.204	0.131	0.127	0.012	0.332	0.436	0.363	0.359
	ANT1	Back Side 15mm	0.252	0.122	0.403	0.506	0.676	0.027	0.374	0.682	0.785	0.955
GSM850	ANT0	Front Side 15mm	0.148	0.112	0.204	0.131	0.127	0.012	0.260	0.364	0.291	0.287
	ANT0	Back Side 15mm	0.185	0.122	0.403	0.506	0.676	0.027	0.307	0.615	0.718	0.888
GSM1900	ANT1	Front Side 15mm	0.279	0.112	0.204	0.131	0.127	0.012	0.391	0.495	0.422	0.418
	ANT1	Back Side 15mm	0.317	0.122	0.403	0.506	0.676	0.027	0.439	0.747	0.850	1.020
GSM1900	ANT0	Front Side 15mm	0.157	0.112	0.204	0.131	0.127	0.012	0.269	0.373	0.300	0.296
	ANT0	Back Side 15mm	0.280	0.122	0.403	0.506	0.676	0.027	0.402	0.710	0.813	0.983
WCDMA B2	ANT1	Front Side 15mm	0.418	0.112	0.204	0.131	0.127	0.012	0.530	0.634	0.561	0.557
	ANT1	Back Side 15mm	0.299	0.122	0.403	0.506	0.676	0.027	0.421	0.729	0.832	1.002
WCDMA B2	ANT0	Front Side 15mm	0.362	0.112	0.204	0.131	0.127	0.012	0.474	0.578	0.505	0.501
	ANT0	Back Side 15mm	0.438	0.122	0.403	0.506	0.676	0.027	0.560	0.868	0.971	1.141
WCDMA B4	ANT1	Front Side 15mm	0.264	0.112	0.204	0.131	0.127	0.012	0.376	0.480	0.407	0.403
	ANT1	Back Side 15mm	0.158	0.122	0.403	0.506	0.676	0.027	0.280	0.588	0.691	0.861
WCDMA B4	ANT0	Front Side 15mm	0.211	0.112	0.204	0.131	0.127	0.012	0.323	0.427	0.354	0.350
	ANT0	Back Side 15mm	0.279	0.122	0.403	0.506	0.676	0.027	0.401	0.709	0.812	0.982
WCDMA B5	ANT1	Front Side 15mm	0.088	0.112	0.204	0.131	0.127	0.012	0.200	0.304	0.231	0.227
	ANT1	Back Side 15mm	0.110	0.122	0.403	0.506	0.676	0.027	0.232	0.540	0.643	0.813
WCDMA B5	ANT0	Front Side 15mm	0.076	0.112	0.204	0.131	0.127	0.012	0.188	0.292	0.219	0.215
	ANT0	Back Side 15mm	0.135	0.122	0.403	0.506	0.676	0.027	0.257	0.565	0.668	0.838
LTE B2	ANT1	Front Side 15mm	0.331	0.112	0.204	0.131	0.127	0.012	0.443	0.547	0.474	0.470
	ANT1	Back Side 15mm	0.188	0.122	0.403	0.506	0.676	0.027	0.310	0.618	0.721	0.891
LTE B2	ANT0	Front Side 15mm	0.329	0.112	0.204	0.131	0.127	0.012	0.441	0.545	0.472	0.468
	ANT0	Back Side 15mm	0.419	0.122	0.403	0.506	0.676	0.027	0.541	0.849	0.952	1.122
LTE B4	ANT1	Front Side 15mm	0.221	0.112	0.204	0.131	0.127	0.012	0.333	0.437	0.364	0.360
	ANT1	Back Side 15mm	0.204	0.122	0.403	0.506	0.676	0.027	0.326	0.634	0.737	0.907
LTE B4	ANT0	Front Side 15mm	0.269	0.112	0.204	0.131	0.127	0.012	0.381	0.485	0.412	0.408
	ANT0	Back Side 15mm	0.395	0.122	0.403	0.506	0.676	0.027	0.517	0.825	0.928	1.098
LTE B5	ANT1	Front Side 15mm	0.207	0.112	0.204	0.131	0.127	0.012	0.319	0.423	0.350	0.346
	ANT1	Back Side 15mm	0.234	0.122	0.403	0.506	0.676	0.027	0.356	0.664	0.767	0.937
LTE B5	ANT0	Front Side 15mm	0.171	0.112	0.204	0.131	0.127	0.012	0.283	0.387	0.314	0.310
	ANT0	Back Side 15mm	0.224	0.122	0.403	0.506	0.676	0.027	0.346	0.654	0.757	0.927
LTE B7	ANT1	Front Side 15mm	0.289	0.112	0.204	0.131	0.127	0.012	0.401	0.505	0.432	0.428
	ANT1	Back Side 15mm	0.327	0.122	0.403	0.506	0.676	0.027	0.449	0.757	0.860	1.030
LTE B7	ANT0	Front Side 15mm	0.261	0.112	0.204	0.131	0.127	0.012	0.373	0.477	0.404	0.400
	ANT0	Back Side 15mm	0.467	0.122	0.403	0.506	0.676	0.027	0.589	0.897	1.000	**1.170**
LTE B12	ANT1	Front Side 15mm	0.180	0.112	0.204	0.131	0.127	0.012	0.292	0.396	0.323	0.319
	ANT1	Back Side 15mm	0.220	0.122	0.403	0.506	0.676	0.027	0.342	0.650	0.753	0.923

LTE B12	ANT0	Front Side 15mm	0.145	0.112	0.204	0.131	0.127	0.012	0.257	0.361	0.288	0.284
	ANT0	Back Side 15mm	0.197	0.122	0.403	0.506	0.676	0.027	0.319	0.627	0.730	0.900
LTE B26	ANT1	Front Side 15mm	0.178	0.112	0.204	0.131	0.127	0.012	0.290	0.394	0.321	0.317
	ANT1	Back Side 15mm	0.212	0.122	0.403	0.506	0.676	0.027	0.334	0.642	0.745	0.915
LTE B26	ANT0	Front Side 15mm	0.161	0.112	0.204	0.131	0.127	0.012	0.273	0.377	0.304	0.300
	ANT0	Back Side 15mm	0.201	0.122	0.403	0.506	0.676	0.027	0.323	0.631	0.734	0.904
LTE B66	ANT1	Front Side 15mm	0.257	0.112	0.204	0.131	0.127	0.012	0.369	0.473	0.400	0.396
	ANT1	Back Side 15mm	0.151	0.122	0.403	0.506	0.676	0.027	0.273	0.581	0.684	0.854
LTE B66	ANT0	Front Side 15mm	0.185	0.112	0.204	0.131	0.127	0.012	0.297	0.401	0.328	0.324
	ANT0	Back Side 15mm	0.318	0.122	0.403	0.506	0.676	0.027	0.440	0.748	0.851	1.021
LTE B38	ANT1	Front Side 15mm	0.232	0.112	0.204	0.131	0.127	0.012	0.344	0.448	0.375	0.371
	ANT1	Back Side 15mm	0.178	0.122	0.403	0.506	0.676	0.027	0.300	0.608	0.711	0.881
LTE B38	ANT0	Front Side 15mm	0.198	0.112	0.204	0.131	0.127	0.012	0.310	0.414	0.341	0.337
	ANT0	Back Side 15mm	0.300	0.122	0.403	0.506	0.676	0.027	0.422	0.730	0.833	1.003
LTE B41	ANT1	Front Side 15mm	0.196	0.112	0.204	0.131	0.127	0.012	0.308	0.412	0.339	0.335
	ANT1	Back Side 15mm	0.168	0.122	0.403	0.506	0.676	0.027	0.290	0.598	0.701	0.871
LTE B41	ANT0	Front Side 15mm	0.229	0.112	0.204	0.131	0.127	0.012	0.341	0.445	0.372	0.368
	ANT0	Back Side 15mm	0.273	0.122	0.403	0.506	0.676	0.027	0.395	0.703	0.806	0.976
5G N5	ANT1	Front Side 15mm	0.187	0.112	0.204	0.131	0.127	0.012	0.299	0.403	0.330	0.326
	ANT1	Back Side 15mm	0.221	0.122	0.403	0.506	0.676	0.027	0.343	0.651	0.754	0.924
5G N5	ANT0	Front Side 15mm	0.059	0.112	0.204	0.131	0.127	0.012	0.171	0.275	0.202	0.198
	ANT0	Back Side 15mm	0.094	0.122	0.403	0.506	0.676	0.027	0.216	0.524	0.627	0.797
5G N7	ANT1	Front Side 15mm	0.327	0.112	0.204	0.131	0.127	0.012	0.439	0.543	0.470	0.466
	ANT1	Back Side 15mm	0.374	0.122	0.403	0.506	0.676	0.027	0.496	0.804	0.907	1.077
5G N7	ANT0	Front Side 15mm	0.211	0.112	0.204	0.131	0.127	0.012	0.323	0.427	0.354	0.350
	ANT0	Back Side 15mm	0.384	0.122	0.403	0.506	0.676	0.027	0.506	0.814	0.917	1.087
5G N38	ANT1	Front Side 15mm	0.379	0.112	0.204	0.131	0.127	0.012	0.491	0.595	0.522	0.518
	ANT1	Back Side 15mm	0.400	0.122	0.403	0.506	0.676	0.027	0.522	0.830	0.933	1.103
5G N38	ANT0	Front Side 15mm	0.214	0.112	0.204	0.131	0.127	0.012	0.326	0.430	0.357	0.353
	ANT0	Back Side 15mm	0.409	0.122	0.403	0.506	0.676	0.027	0.531	0.839	0.942	1.112
5G N41	ANT1	Front Side 15mm	0.379	0.112	0.204	0.131	0.127	0.012	0.491	0.595	0.522	0.518
	ANT1	Back Side 15mm	0.244	0.122	0.403	0.506	0.676	0.027	0.366	0.674	0.777	0.947
5G N41	ANT0	Front Side 15mm	0.223	0.112	0.204	0.131	0.127	0.012	0.335	0.439	0.366	0.362
	ANT0	Back Side 15mm	0.404	0.122	0.403	0.506	0.676	0.027	0.526	0.834	0.937	1.107

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 1.17 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 Antenna with WLAN and Bluetooth

EN-DC Configuratoin	LTE ANT	NR ANT	Position	Stand alone SAR								SUM SAR			
				1	2	3	4	5	6	7	8				
				LTE	NR	EN_DC	2.4G WIFI	5.3G WIFI	5.6G WIFI	5.8G WIFI	Bluetooth	Sum SAR (3+4)	Sum SAR (3+5+8)	Sum SAR (3+6+8)	Sum SAR (3+7+8)
DC_7A_n5A	ANT4	ANT0	Front Side 15mm	0.104	0.059	0.163	0.112	0.204	0.131	0.127	0.012	0.275	0.379	0.306	0.302
			Back Side 15mm	0.217	0.094	0.311	0.122	0.403	0.506	0.676	0.027	0.433	0.741	0.844	1.014
	ANT4	ANT1	Front Side 15mm	0.104	0.187	0.291	0.112	0.204	0.131	0.127	0.012	0.403	0.507	0.434	0.430
			Back Side 15mm	0.217	0.221	0.438	0.122	0.403	0.506	0.676	0.027	0.560	0.868	0.971	1.141
	ANT1	ANT0	Front Side 15mm	0.289	0.059	0.348	0.112	0.204	0.131	0.127	0.012	0.460	0.564	0.491	0.487
			Back Side 15mm	0.327	0.094	0.421	0.122	0.403	0.506	0.676	0.027	0.543	0.851	0.954	1.124
	ANT1	ANT1	Front Side 15mm	0.289	0.187	0.476	0.112	0.204	0.131	0.127	0.012	0.588	0.692	0.619	0.615
			Back Side 15mm	0.327	0.221	0.548	0.122	0.403	0.506	0.676	0.027	0.670	0.978	1.081	1.251
DC_5A_n7A	ANT0	ANT4	Front Side 15mm	0.171	0.055	0.226	0.112	0.204	0.131	0.127	0.012	0.338	0.442	0.369	0.365
			Back Side 15mm	0.224	0.125	0.349	0.122	0.403	0.506	0.676	0.027	0.471	0.779	0.882	1.052
	ANT0	ANT1	Front Side 15mm	0.171	0.292	0.463	0.112	0.204	0.131	0.127	0.012	0.575	0.679	0.606	0.602
			Back Side 15mm	0.224	0.265	0.489	0.122	0.403	0.506	0.676	0.027	0.611	0.919	1.022	1.192
	ANT1	ANT4	Front Side 15mm	0.207	0.055	0.262	0.112	0.204	0.131	0.127	0.012	0.374	0.478	0.405	0.401
			Back Side 15mm	0.234	0.125	0.359	0.122	0.403	0.506	0.676	0.027	0.481	0.789	0.892	1.062
	ANT1	ANT1	Front Side 15mm	0.207	0.292	0.499	0.112	0.204	0.131	0.127	0.012	0.611	0.715	0.642	0.638
			Back Side 15mm	0.234	0.265	0.499	0.122	0.403	0.506	0.676	0.027	0.621	0.929	1.032	1.202
DC_66A_n7A	ANT0	ANT4	Front Side 15mm	0.092	0.055	0.147	0.112	0.204	0.131	0.127	0.012	0.259	0.363	0.290	0.286
			Back Side 15mm	0.179	0.125	0.304	0.122	0.403	0.506	0.676	0.027	0.426	0.734	0.837	1.007
	ANT0	ANT1	Front Side 15mm	0.092	0.292	0.384	0.112	0.204	0.131	0.127	0.012	0.496	0.600	0.527	0.523
			Back Side 15mm	0.179	0.265	0.444	0.122	0.403	0.506	0.676	0.027	0.566	0.874	0.977	1.147
	ANT3	ANT4	Front Side 15mm	0.017	0.055	0.072	0.112	0.204	0.131	0.127	0.012	0.184	0.288	0.215	0.211
			Back Side 15mm	0.021	0.125	0.146	0.122	0.403	0.506	0.676	0.027	0.268	0.576	0.679	0.849
	ANT3	ANT1	Front Side 15mm	0.017	0.292	0.309	0.112	0.204	0.131	0.127	0.012	0.421	0.525	0.452	0.448
			Back Side 15mm	0.021	0.265	0.286	0.122	0.403	0.506	0.676	0.027	0.408	0.716	0.819	0.989
DC_66A_n66A	ANT0	ANT4	Front Side 15mm	0.092	0.025	0.117	0.112	0.204	0.131	0.127	0.012	0.229	0.333	0.260	0.256
			Back Side 15mm	0.179	0.034	0.213	0.122	0.403	0.506	0.676	0.027	0.335	0.643	0.746	0.916
	ANT0	ANT1	Front Side 15mm	0.092	0.325	0.417	0.112	0.204	0.131	0.127	0.012	0.529	0.633	0.560	0.556
			Back Side 15mm	0.179	0.261	0.440	0.122	0.403	0.506	0.676	0.027	0.562	0.870	0.973	1.143
	ANT3	ANT4	Front Side 15mm	0.017	0.025	0.042	0.112	0.204	0.131	0.127	0.012	0.154	0.258	0.185	0.181
			Back Side 15mm	0.021	0.034	0.055	0.122	0.403	0.506	0.676	0.027	0.177	0.485	0.588	0.758
	ANT3	ANT1	Front Side 15mm	0.017	0.325	0.342	0.112	0.204	0.131	0.127	0.012	0.454	0.558	0.485	0.481
			Back Side 15mm	0.021	0.261	0.282	0.122	0.403	0.506	0.676	0.027	0.404	0.712	0.815	0.985
DC_7A_n66A	ANT0	ANT4	Front Side 15mm	0.175	0.025	0.200	0.112	0.204	0.131	0.127	0.012	0.312	0.416	0.343	0.339
			Back Side 15mm	0.303	0.034	0.337	0.122	0.403	0.506	0.676	0.027	0.459	0.767	0.870	1.040
	ANT0	ANT1	Front Side 15mm	0.175	0.325	0.500	0.112	0.204	0.131	0.127	0.012	0.612	0.716	0.643	0.639
			Back Side 15mm	0.303	0.261	0.564	0.122	0.403	0.506	0.676	0.027	0.686	0.994	1.097	1.267
	ANT3	ANT4	Front Side 15mm	0.081	0.025	0.106	0.112	0.204	0.131	0.127	0.012	0.218	0.322	0.249	0.245

			Back Side 15mm	0.172	0.034	0.206	0.122	0.403	0.506	0.676	0.027	0.328	0.636	0.739	0.909
	ANT3	ANT1	Front Side 15mm	0.081	0.325	0.406	0.112	0.204	0.131	0.127	0.012	0.518	0.622	0.549	0.545
			Back Side 15mm	0.172	0.261	0.433	0.122	0.403	0.506	0.676	0.027	0.555	0.863	0.966	1.136
DC_7A_n7A	ANT0	ANT4	Front Side 15mm	0.175	0.055	0.230	0.112	0.204	0.131	0.127	0.012	0.342	0.446	0.373	0.369
			Back Side 15mm	0.303	0.125	0.428	0.122	0.403	0.506	0.676	0.027	0.550	0.858	0.961	1.131
	ANT0	ANT1	Front Side 15mm	0.175	0.292	0.467	0.112	0.204	0.131	0.127	0.012	0.579	0.683	0.610	0.606
			Back Side 15mm	0.303	0.265	0.568	0.122	0.403	0.506	0.676	0.027	0.690	0.998	1.101	**1.271**
	ANT3	ANT4	Front Side 15mm	0.081	0.055	0.136	0.112	0.204	0.131	0.127	0.012	0.248	0.352	0.279	0.275
			Back Side 15mm	0.172	0.125	0.297	0.122	0.403	0.506	0.676	0.027	0.419	0.727	0.830	1.000
	ANT3	ANT1	Front Side 15mm	0.081	0.292	0.373	0.112	0.204	0.131	0.127	0.012	0.485	0.589	0.516	0.512
			Back Side 15mm	0.172	0.265	0.437	0.122	0.403	0.506	0.676	0.027	0.559	0.867	0.970	1.140

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

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

Band	Antenna	Position	Stand alone SAR					SUM SAR		
			1	2	3	4	5			
			WWAN	2.4G WIFI	5.2G WIFI	5.8G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3+5)	Sum SAR (1+4+5)
GSM850	ANT1	Front Side 10mm	0.242	0.121	0.141	0.109	0.018	0.363	0.401	0.369
	ANT1	Back Side 10mm	0.291	0.135	0.244	0.491	0.022	0.426	0.557	0.804
	ANT1	Right Edge 10mm	0.115	0.017	0.030	0.042	0.006	0.132	0.151	0.163
	ANT1	Top Edge 10mm	0.235	0.198	0.264	0.434	0.030	0.433	0.529	0.699
GSM850	ANT0	Front Side 10mm	0.149	0.121	0.141	0.109	0.018	0.270	0.308	0.276
	ANT0	Back Side 10mm	0.254	0.135	0.244	0.491	0.022	0.389	0.520	0.767
	ANT0	Left Edge 10mm	0.062	0.094	0.278	0.377	0.014	0.156	0.354	0.453
	ANT0	Right Edge 10mm	0.183	0.017	0.030	0.042	0.006	0.200	0.219	0.231
	ANT0	Bottom Edge 10mm	0.177	0.009	0.006	0.010	0.004	0.186	0.187	0.191
GSM1900	ANT1	Front Side 10mm	0.632	0.121	0.141	0.109	0.018	0.753	0.791	0.759
	ANT1	Back Side 10mm	0.455	0.135	0.244	0.491	0.022	0.590	0.721	0.968
	ANT1	Right Edge 10mm	0.066	0.017	0.030	0.042	0.006	0.083	0.102	0.114
	ANT1	Top Edge 10mm	0.662	0.198	0.264	0.434	0.030	0.860	0.956	1.126
GSM1900	ANT0	Front Side 10mm	0.239	0.121	0.141	0.109	0.018	0.360	0.398	0.366
	ANT0	Back Side 10mm	0.475	0.135	0.244	0.491	0.022	0.610	0.741	0.988
	ANT0	Left Edge 10mm	0.046	0.094	0.278	0.377	0.014	0.140	0.338	0.437
	ANT0	Right Edge 10mm	0.065	0.017	0.030	0.042	0.006	0.082	0.101	0.113
	ANT0	Bottom Edge 10mm	0.612	0.009	0.006	0.010	0.004	0.621	0.622	0.626
WCDMA B2	ANT1	Front Side 10mm	0.637	0.121	0.141	0.109	0.018	0.758	0.796	0.764
	ANT1	Back Side 10mm	0.564	0.135	0.244	0.491	0.022	0.699	0.830	1.077
	ANT1	Right Edge 10mm	0.070	0.017	0.030	0.042	0.006	0.087	0.106	0.118
	ANT1	Top Edge 10mm	0.735	0.198	0.264	0.434	0.030	0.933	1.029	1.199
WCDMA B2	ANT0	Front Side 10mm	0.287	0.121	0.141	0.109	0.018	0.408	0.446	0.414
	ANT0	Back Side 10mm	0.516	0.135	0.244	0.491	0.022	0.651	0.782	1.029
	ANT0	Left Edge 10mm	0.077	0.094	0.278	0.377	0.014	0.171	0.369	0.468
	ANT0	Right Edge 10mm	0.037	0.017	0.030	0.042	0.006	0.054	0.073	0.085
	ANT0	Bottom Edge 10mm	0.701	0.009	0.006	0.010	0.004	0.710	0.711	0.715
WCDMA B4	ANT1	Front Side 10mm	0.520	0.121	0.141	0.109	0.018	0.641	0.679	0.647
	ANT1	Back Side 10mm	0.389	0.135	0.244	0.491	0.022	0.524	0.655	0.902
	ANT1	Right Edge 10mm	0.051	0.017	0.030	0.042	0.006	0.068	0.087	0.099
	ANT1	Top Edge 10mm	0.515	0.198	0.264	0.434	0.030	0.713	0.809	0.979
WCDMA B4	ANT0	Front Side 10mm	0.203	0.121	0.141	0.109	0.018	0.324	0.362	0.330
	ANT0	Back Side 10mm	0.422	0.135	0.244	0.491	0.022	0.557	0.688	0.935
	ANT0	Left Edge 10mm	0.086	0.094	0.278	0.377	0.014	0.180	0.378	0.477
	ANT0	Right Edge 10mm	0.018	0.017	0.030	0.042	0.006	0.035	0.054	0.066
	ANT0	Bottom Edge 10mm	0.526	0.009	0.006	0.010	0.004	0.535	0.536	0.540
WCDMA B5	ANT1	Front Side 10mm	0.229	0.121	0.141	0.109	0.018	0.350	0.388	0.356
	ANT1	Back Side 10mm	0.279	0.135	0.244	0.491	0.022	0.414	0.545	0.792
	ANT1	Right Edge 10mm	0.119	0.017	0.030	0.042	0.006	0.136	0.155	0.167

	ANT1	Top Edge 10mm	0.225	0.198	0.264	0.434	0.030	0.423	0.519	0.689
WCDMA B5	ANT0	Front Side 10mm	0.135	0.121	0.141	0.109	0.018	0.256	0.294	0.262
	ANT0	Back Side 10mm	0.229	0.135	0.244	0.491	0.022	0.364	0.495	0.742
	ANT0	Left Edge 10mm	0.085	0.094	0.278	0.377	0.014	0.179	0.377	0.476
	ANT0	Right Edge 10mm	0.144	0.017	0.030	0.042	0.006	0.161	0.180	0.192
	ANT0	Bottom Edge 10mm	0.149	0.009	0.006	0.010	0.004	0.158	0.159	0.163
LTE B2	ANT1	Front Side 10mm	0.585	0.121	0.141	0.109	0.018	0.706	0.744	0.712
	ANT1	Back Side 10mm	0.456	0.135	0.244	0.491	0.022	0.591	0.722	0.969
	ANT1	Right Edge 10mm	0.069	0.017	0.030	0.042	0.006	0.086	0.105	0.117
	ANT1	Top Edge 10mm	0.603	0.198	0.264	0.434	0.030	0.801	0.897	1.067
LTE B2	ANT0	Front Side 10mm	0.251	0.121	0.141	0.109	0.018	0.372	0.410	0.378
	ANT0	Back Side 10mm	0.455	0.135	0.244	0.491	0.022	0.590	0.721	0.968
	ANT0	Left Edge 10mm	0.119	0.094	0.278	0.377	0.014	0.213	0.411	0.510
	ANT0	Right Edge 10mm	0.234	0.017	0.030	0.042	0.006	0.251	0.270	0.282
	ANT0	Bottom Edge 10mm	0.602	0.009	0.006	0.010	0.004	0.611	0.612	0.616
LTE B4	ANT1	Front Side 10mm	0.587	0.121	0.141	0.109	0.018	0.708	0.746	0.714
	ANT1	Back Side 10mm	0.330	0.135	0.244	0.491	0.022	0.465	0.596	0.843
	ANT1	Right Edge 10mm	0.059	0.017	0.030	0.042	0.006	0.076	0.095	0.107
	ANT1	Top Edge 10mm	0.434	0.198	0.264	0.434	0.030	0.632	0.728	0.898
LTE B4	ANT0	Front Side 10mm	0.240	0.121	0.141	0.109	0.018	0.361	0.399	0.367
	ANT0	Back Side 10mm	0.480	0.135	0.244	0.491	0.022	0.615	0.746	0.993
	ANT0	Left Edge 10mm	0.096	0.094	0.278	0.377	0.014	0.190	0.388	0.487
	ANT0	Right Edge 10mm	0.193	0.017	0.030	0.042	0.006	0.210	0.229	0.241
	ANT0	Bottom Edge 10mm	0.594	0.009	0.006	0.010	0.004	0.603	0.604	0.608
LTE B5	ANT1	Front Side 10mm	0.286	0.121	0.141	0.109	0.018	0.407	0.445	0.413
	ANT1	Back Side 10mm	0.336	0.135	0.244	0.491	0.022	0.471	0.602	0.849
	ANT1	Right Edge 10mm	0.203	0.017	0.030	0.042	0.006	0.220	0.239	0.251
	ANT1	Top Edge 10mm	0.300	0.198	0.264	0.434	0.030	0.498	0.594	0.764
LTE B5	ANT0	Front Side 10mm	0.152	0.121	0.141	0.109	0.018	0.273	0.311	0.279
	ANT0	Back Side 10mm	0.232	0.135	0.244	0.491	0.022	0.367	0.498	0.745
	ANT0	Left Edge 10mm	0.101	0.094	0.278	0.377	0.014	0.195	0.393	0.492
	ANT0	Right Edge 10mm	0.170	0.017	0.030	0.042	0.006	0.187	0.206	0.218
	ANT0	Bottom Edge 10mm	0.165	0.009	0.006	0.010	0.004	0.174	0.175	0.179
LTE B7	ANT1	Front Side 10mm	0.610	0.121	0.141	0.109	0.018	0.731	0.769	0.737
	ANT1	Back Side 10mm	0.452	0.135	0.244	0.491	0.022	0.587	0.718	0.965
	ANT1	Right Edge 10mm	0.461	0.017	0.030	0.042	0.006	0.478	0.497	0.509
	ANT1	Top Edge 10mm	0.401	0.198	0.264	0.434	0.030	0.599	0.695	0.865
LTE B7	ANT0	Front Side 10mm	0.348	0.121	0.141	0.109	0.018	0.469	0.507	0.475
	ANT0	Back Side 10mm	0.622	0.135	0.244	0.491	0.022	0.757	0.888	1.135
	ANT0	Left Edge 10mm	0.247	0.094	0.278	0.377	0.014	0.341	0.539	0.638
	ANT0	Right Edge 10mm	0.275	0.017	0.030	0.042	0.006	0.292	0.311	0.323
	ANT0	Bottom Edge 10mm	0.391	0.009	0.006	0.010	0.004	0.400	0.401	0.405
LTE B12	ANT1	Front Side 10mm	0.152	0.121	0.141	0.109	0.018	0.273	0.311	0.279
	ANT1	Back Side 10mm	0.214	0.135	0.244	0.491	0.022	0.349	0.480	0.727
	ANT1	Right Edge 10mm	0.228	0.017	0.030	0.042	0.006	0.245	0.264	0.276

	ANT1	Top Edge 10mm	0.118	0.198	0.264	0.434	0.030	0.316	0.412	0.582
LTE B12	ANT0	Front Side 10mm	0.126	0.121	0.141	0.109	0.018	0.247	0.285	0.253
	ANT0	Back Side 10mm	0.189	0.135	0.244	0.491	0.022	0.324	0.455	0.702
	ANT0	Left Edge 10mm	0.116	0.094	0.278	0.377	0.014	0.210	0.408	0.507
	ANT0	Right Edge 10mm	0.188	0.017	0.030	0.042	0.006	0.205	0.224	0.236
	ANT0	Bottom Edge 10mm	0.085	0.009	0.006	0.010	0.004	0.094	0.095	0.099
LTE B26	ANT1	Front Side 10mm	0.178	0.121	0.141	0.109	0.018	0.299	0.337	0.305
	ANT1	Back Side 10mm	0.214	0.135	0.244	0.491	0.022	0.349	0.480	0.727
	ANT1	Right Edge 10mm	0.139	0.017	0.030	0.042	0.006	0.156	0.175	0.187
	ANT1	Top Edge 10mm	0.202	0.198	0.264	0.434	0.030	0.400	0.496	0.666
LTE B26	ANT0	Front Side 10mm	0.138	0.121	0.141	0.109	0.018	0.259	0.297	0.265
	ANT0	Back Side 10mm	0.212	0.135	0.244	0.491	0.022	0.347	0.478	0.725
	ANT0	Left Edge 10mm	0.088	0.094	0.278	0.377	0.014	0.182	0.380	0.479
	ANT0	Right Edge 10mm	0.149	0.017	0.030	0.042	0.006	0.166	0.185	0.197
	ANT0	Bottom Edge 10mm	0.127	0.009	0.006	0.010	0.004	0.136	0.137	0.141
LTE B66	ANT1	Front Side 10mm	0.530	0.121	0.141	0.109	0.018	0.651	0.689	0.657
	ANT1	Back Side 10mm	0.365	0.135	0.244	0.491	0.022	0.500	0.631	0.878
	ANT1	Right Edge 10mm	0.068	0.017	0.030	0.042	0.006	0.085	0.104	0.116
	ANT1	Top Edge 10mm	0.457	0.198	0.264	0.434	0.030	0.655	0.751	0.921
LTE B66	ANT0	Front Side 10mm	0.225	0.121	0.141	0.109	0.018	0.346	0.384	0.352
	ANT0	Back Side 10mm	0.426	0.135	0.244	0.491	0.022	0.561	0.692	0.939
	ANT0	Left Edge 10mm	0.095	0.094	0.278	0.377	0.014	0.189	0.387	0.486
	ANT0	Right Edge 10mm	0.159	0.017	0.030	0.042	0.006	0.176	0.195	0.207
	ANT0	Bottom Edge 10mm	0.537	0.009	0.006	0.010	0.004	0.546	0.547	0.551
LTE B38	ANT1	Front Side 10mm	0.440	0.121	0.141	0.109	0.018	0.561	0.599	0.567
	ANT1	Back Side 10mm	0.439	0.135	0.244	0.491	0.022	0.574	0.705	0.952
	ANT1	Right Edge 10mm	0.358	0.017	0.030	0.042	0.006	0.375	0.394	0.406
	ANT1	Top Edge 10mm	0.279	0.198	0.264	0.434	0.030	0.477	0.573	0.743
LTE B38	ANT0	Front Side 10mm	0.357	0.121	0.141	0.109	0.018	0.478	0.516	0.484
	ANT0	Back Side 10mm	0.550	0.135	0.244	0.491	0.022	0.685	0.816	1.063
	ANT0	Left Edge 10mm	0.165	0.094	0.278	0.377	0.014	0.259	0.457	0.556
	ANT0	Right Edge 10mm	0.061	0.017	0.030	0.042	0.006	0.078	0.097	0.109
	ANT0	Bottom Edge 10mm	0.369	0.009	0.006	0.010	0.004	0.378	0.379	0.383
LTE B41	ANT1	Front Side 10mm	0.460	0.121	0.141	0.109	0.018	0.581	0.619	0.587
	ANT1	Back Side 10mm	0.426	0.135	0.244	0.491	0.022	0.561	0.692	0.939
	ANT1	Right Edge 10mm	0.284	0.017	0.030	0.042	0.006	0.301	0.320	0.332
	ANT1	Top Edge 10mm	0.250	0.198	0.264	0.434	0.030	0.448	0.544	0.714
LTE B41	ANT0	Front Side 10mm	0.388	0.121	0.141	0.109	0.018	0.509	0.547	0.515
	ANT0	Back Side 10mm	0.583	0.135	0.244	0.491	0.022	0.718	0.849	1.096
	ANT0	Left Edge 10mm	0.183	0.094	0.278	0.377	0.014	0.277	0.475	0.574
	ANT0	Right Edge 10mm	0.063	0.017	0.030	0.042	0.006	0.080	0.099	0.111
	ANT0	Bottom Edge 10mm	0.311	0.009	0.006	0.010	0.004	0.320	0.321	0.325
5G N5	ANT1	Front Side 10mm	0.280	0.121	0.141	0.109	0.018	0.401	0.439	0.407
	ANT1	Back Side 10mm	0.346	0.135	0.244	0.491	0.022	0.481	0.612	0.859
	ANT1	Right Edge 10mm	0.171	0.017	0.030	0.042	0.006	0.188	0.207	0.219

	ANT1	Top Edge 10mm	0.263	0.198	0.264	0.434	0.030	0.461	0.557	0.727
5G N5	ANT0	Front Side 10mm	0.099	0.121	0.141	0.109	0.018	0.220	0.258	0.226
	ANT0	Back Side 10mm	0.266	0.135	0.244	0.491	0.022	0.401	0.532	0.779
	ANT0	Left Edge 10mm	0.024	0.094	0.278	0.377	0.014	0.118	0.316	0.415
	ANT0	Right Edge 10mm	0.109	0.017	0.030	0.042	0.006	0.126	0.145	0.157
	ANT0	Bottom Edge 10mm	0.216	0.009	0.006	0.010	0.004	0.225	0.226	0.230
5G N7	ANT1	Front Side 10mm	0.692	0.121	0.141	0.109	0.018	0.813	0.851	0.819
	ANT1	Back Side 10mm	0.763	0.135	0.244	0.491	0.022	0.898	1.029	1.276
	ANT1	Right Edge 10mm	0.769	0.017	0.030	0.042	0.006	0.786	0.805	0.817
	ANT1	Top Edge 10mm	0.597	0.198	0.264	0.434	0.030	0.795	0.891	1.061
5G N7	ANT0	Front Side 10mm	0.372	0.121	0.141	0.109	0.018	0.493	0.531	0.499
	ANT0	Back Side 10mm	0.785	0.135	0.244	0.491	0.022	0.920	1.051	1.298
	ANT0	Left Edge 10mm	0.250	0.094	0.278	0.377	0.014	0.344	0.542	0.641
	ANT0	Right Edge 10mm	0.055	0.017	0.030	0.042	0.006	0.072	0.091	0.103
	ANT0	Bottom Edge 10mm	0.604	0.009	0.006	0.010	0.004	0.613	0.614	0.618
5G N38	ANT1	Front Side 10mm	0.679	0.121	0.141	0.109	0.018	0.800	0.838	0.806
	ANT1	Back Side 10mm	0.672	0.135	0.244	0.491	0.022	0.807	0.938	1.185
	ANT1	Right Edge 10mm	0.686	0.017	0.030	0.042	0.006	0.703	0.722	0.734
	ANT1	Top Edge 10mm	0.530	0.198	0.264	0.434	0.030	0.728	0.824	0.994
5G N38	ANT0	Front Side 10mm	0.418	0.121	0.141	0.109	0.018	0.539	0.577	0.545
	ANT0	Back Side 10mm	0.691	0.135	0.244	0.491	0.022	0.826	0.957	1.204
	ANT0	Left Edge 10mm	0.194	0.094	0.278	0.377	0.014	0.288	0.486	0.585
	ANT0	Right Edge 10mm	0.156	0.017	0.030	0.042	0.006	0.173	0.192	0.204
	ANT0	Bottom Edge 10mm	0.472	0.009	0.006	0.010	0.004	0.481	0.482	0.486
5G N41	ANT1	Front Side 10mm	1.023	0.121	0.141	0.109	0.018	1.144	1.182	1.150
	ANT1	Back Side 10mm	0.978	0.135	0.244	0.491	0.022	1.113	1.244	**1.491**
	ANT1	Right Edge 10mm	0.713	0.017	0.030	0.042	0.006	0.730	0.749	0.761
	ANT1	Top Edge 10mm	0.599	0.198	0.264	0.434	0.030	0.797	0.893	1.063
5G N41	ANT0	Front Side 10mm	0.374	0.121	0.141	0.109	0.018	0.495	0.533	0.501
	ANT0	Back Side 10mm	0.723	0.135	0.244	0.491	0.022	0.858	0.989	1.236
	ANT0	Left Edge 10mm	0.278	0.094	0.278	0.377	0.014	0.372	0.570	0.669
	ANT0	Right Edge 10mm	0.075	0.017	0.030	0.042	0.006	0.092	0.111	0.123
	ANT0	Bottom Edge 10mm	0.794	0.009	0.006	0.010	0.004	0.803	0.804	0.808

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

13.2.6 Hotspot Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN and Bluetooth

EN-DC Configuratoin	LTE ANT	NR ANT	Position	Stand alone SAR							SUM SAR		
				1	2	3	4	5	6	7			
				LTE	NR	EN_DC	2.4G WIFI	5.2G WIFI	5.8G WIFI	Blueto oth	Sum SAR (3+4)	Sum SAR (3+5+7)	Sum SAR (3+6+7)
DC_7A_n5A	ANT4	ANT0	Front Side 10mm	0.149	0.099	0.248	0.121	0.141	0.109	0.018	0.369	0.407	0.375
			Back Side 10mm	0.357	0.266	0.623	0.135	0.244	0.491	0.022	0.758	0.889	1.136
			Left Edge 10mm	0.000	0.024	0.024	0.094	0.278	0.377	0.014	0.118	0.316	0.415
			Right Edge 10mm	0.206	0.109	0.315	0.017	0.030	0.042	0.006	0.332	0.351	0.363
			Top Edge 10mm	0.054	0.000	0.054	0.198	0.264	0.434	0.030	0.252	0.348	0.518
			Bottom Edge 10mm	0.000	0.216	0.216	0.009	0.006	0.010	0.004	0.225	0.226	0.230
	ANT4	ANT1	Front Side 10mm	0.149	0.280	0.429	0.121	0.141	0.109	0.018	0.550	0.588	0.556
			Back Side 10mm	0.357	0.346	0.703	0.135	0.244	0.491	0.022	0.838	0.969	1.216
			Left Edge 10mm	0.000	0.000	0.000	0.094	0.278	0.377	0.014	0.094	0.292	0.391
			Right Edge 10mm	0.206	0.171	0.377	0.017	0.030	0.042	0.006	0.394	0.413	0.425
			Top Edge 10mm	0.054	0.263	0.317	0.198	0.264	0.434	0.030	0.515	0.611	0.781
			Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.006	0.010	0.004	0.009	0.010	0.014
	ANT1	ANT0	Front Side 10mm	0.610	0.099	0.709	0.121	0.141	0.109	0.018	0.830	0.868	0.836
			Back Side 10mm	0.452	0.266	0.718	0.135	0.244	0.491	0.022	0.853	0.984	1.231
			Left Edge 10mm	0.000	0.024	0.024	0.094	0.278	0.377	0.014	0.118	0.316	0.415
			Right Edge 10mm	0.461	0.109	0.570	0.017	0.030	0.042	0.006	0.587	0.606	0.618
			Top Edge 10mm	0.401	0.000	0.401	0.198	0.264	0.434	0.030	0.599	0.695	0.865
			Bottom Edge 10mm	0.000	0.216	0.216	0.009	0.006	0.010	0.004	0.225	0.226	0.230
	ANT1	ANT1	Front Side 10mm	0.610	0.280	0.890	0.121	0.141	0.109	0.018	1.011	1.049	1.017
			Back Side 10mm	0.452	0.346	0.798	0.135	0.244	0.491	0.022	0.933	1.064	**1.311**
			Left Edge 10mm	0.000	0.000	0.000	0.094	0.278	0.377	0.014	0.094	0.292	0.391
			Right Edge 10mm	0.461	0.171	0.632	0.017	0.030	0.042	0.006	0.649	0.668	0.680
			Top Edge 10mm	0.401	0.263	0.664	0.198	0.264	0.434	0.030	0.862	0.958	1.128
			Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.006	0.010	0.004	0.009	0.010	0.014
DC_5A_n7A	ANT0	ANT4	Front Side 10mm	0.152	0.097	0.249	0.121	0.141	0.109	0.018	0.370	0.408	0.376
			Back Side 10mm	0.232	0.239	0.471	0.135	0.244	0.491	0.022	0.606	0.737	0.984
			Left Edge 10mm	0.101	0.400	0.501	0.094	0.278	0.377	0.014	0.595	0.793	0.892
			Right Edge 10mm	0.170	0.164	0.334	0.017	0.030	0.042	0.006	0.351	0.370	0.382
			Top Edge 10mm	0.000	0.055	0.055	0.198	0.264	0.434	0.030	0.253	0.349	0.519
			Bottom Edge 10mm	0.165	0.000	0.165	0.009	0.006	0.010	0.004	0.174	0.175	0.179
	ANT0	ANT1	Front Side 10mm	0.152	0.617	0.769	0.121	0.141	0.109	0.018	0.890	0.928	0.896
			Back Side 10mm	0.232	0.319	0.551	0.135	0.244	0.491	0.022	0.686	0.817	1.064
			Left Edge 10mm	0.101	0.000	0.101	0.094	0.278	0.377	0.014	0.195	0.393	0.492
			Right Edge 10mm	0.170	0.387	0.557	0.017	0.030	0.042	0.006	0.574	0.593	0.605
			Top Edge 10mm	0.000	0.254	0.254	0.198	0.264	0.434	0.030	0.452	0.548	0.718
			Bottom Edge 10mm	0.165	0.000	0.165	0.009	0.006	0.010	0.004	0.174	0.175	0.179
	ANT1	ANT4	Front Side 10mm	0.286	0.097	0.383	0.121	0.141	0.109	0.018	0.504	0.542	0.510
			Back Side 10mm	0.336	0.239	0.575	0.135	0.244	0.491	0.022	0.710	0.841	1.088

			Left Edge 10mm	0.000	0.000	0.000	0.094	0.278	0.377	0.014	0.094	0.292	0.391
			Right Edge 10mm	0.203	0.164	0.367	0.017	0.030	0.042	0.006	0.384	0.403	0.415
			Top Edge 10mm	0.300	0.055	0.355	0.198	0.264	0.434	0.030	0.553	0.649	0.819
			Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.006	0.010	0.004	0.009	0.010	0.014
	ANT1	ANT1	Front Side 10mm	0.286	0.617	0.903	0.121	0.141	0.109	0.018	1.024	1.062	1.030
			Back Side 10mm	0.336	0.319	0.655	0.135	0.244	0.491	0.022	0.790	0.921	1.168
			Left Edge 10mm	0.000	0.000	0.000	0.094	0.278	0.377	0.014	0.094	0.292	0.391
			Right Edge 10mm	0.203	0.387	0.590	0.017	0.030	0.042	0.006	0.607	0.626	0.638
			Top Edge 10mm	0.300	0.254	0.554	0.198	0.264	0.434	0.030	0.752	0.848	1.018
			Bottom Edge 10mm	0.400	0.400	0.800	0.009	0.006	0.010	0.004	0.809	0.810	0.814
DC_66A_n7A	ANT0	ANT4	Front Side 10mm	0.173	0.097	0.270	0.121	0.141	0.109	0.018	0.391	0.429	0.397
			Back Side 10mm	0.327	0.239	0.566	0.135	0.244	0.491	0.022	0.701	0.832	1.079
			Left Edge 10mm	0.056	0.400	0.456	0.094	0.278	0.377	0.014	0.550	0.748	0.847
			Right Edge 10mm	0.087	0.164	0.251	0.017	0.030	0.042	0.006	0.268	0.287	0.299
			Top Edge 10mm	0.000	0.055	0.055	0.198	0.264	0.434	0.030	0.253	0.349	0.519
			Bottom Edge 10mm	0.457	0.000	0.457	0.009	0.006	0.010	0.004	0.466	0.467	0.471
	ANT0	ANT1	Front Side 10mm	0.173	0.617	0.790	0.121	0.141	0.109	0.018	0.911	0.949	0.917
			Back Side 10mm	0.327	0.319	0.646	0.135	0.244	0.491	0.022	0.781	0.912	1.159
			Left Edge 10mm	0.056	0.000	0.056	0.094	0.278	0.377	0.014	0.150	0.348	0.447
			Right Edge 10mm	0.087	0.387	0.474	0.017	0.030	0.042	0.006	0.491	0.510	0.522
			Top Edge 10mm	0.000	0.254	0.254	0.198	0.264	0.434	0.030	0.452	0.548	0.718
			Bottom Edge 10mm	0.457	0.000	0.457	0.009	0.006	0.010	0.004	0.466	0.467	0.471
	ANT3	ANT4	Front Side 10mm	0.028	0.097	0.125	0.121	0.141	0.109	0.018	0.246	0.284	0.252
			Back Side 10mm	0.044	0.239	0.283	0.135	0.244	0.491	0.022	0.418	0.549	0.796
			Left Edge 10mm	0.037	0.000	0.037	0.094	0.278	0.377	0.014	0.131	0.329	0.428
			Right Edge 10mm	0.000	0.164	0.164	0.017	0.030	0.042	0.006	0.181	0.200	0.212
			Top Edge 10mm	0.024	0.055	0.079	0.198	0.264	0.434	0.030	0.277	0.373	0.543
			Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.006	0.010	0.004	0.009	0.010	0.014
	ANT3	ANT1	Front Side 10mm	0.028	0.617	0.645	0.121	0.141	0.109	0.018	0.766	0.804	0.772
			Back Side 10mm	0.044	0.319	0.363	0.135	0.244	0.491	0.022	0.498	0.629	0.876
			Left Edge 10mm	0.037	0.000	0.037	0.094	0.278	0.377	0.014	0.131	0.329	0.428
			Right Edge 10mm	0.000	0.387	0.387	0.017	0.030	0.042	0.006	0.404	0.423	0.435
			Top Edge 10mm	0.024	0.254	0.278	0.198	0.264	0.434	0.030	0.476	0.572	0.742
			Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.006	0.010	0.004	0.009	0.010	0.014
DC_66A_n66A	ANT0	ANT4	Front Side 10mm	0.173	0.046	0.219	0.121	0.141	0.109	0.018	0.340	0.378	0.346
			Back Side 10mm	0.327	0.061	0.388	0.135	0.244	0.491	0.022	0.523	0.654	0.901
			Left Edge 10mm	0.056	0.000	0.056	0.094	0.278	0.377	0.014	0.150	0.348	0.447
			Right Edge 10mm	0.087	0.024	0.111	0.017	0.030	0.042	0.006	0.128	0.147	0.159
			Top Edge 10mm	0.000	0.018	0.018	0.198	0.264	0.434	0.030	0.216	0.312	0.482
			Bottom Edge 10mm	0.457	0.000	0.457	0.009	0.006	0.010	0.004	0.466	0.467	0.471
	ANT0	ANT1	Front Side 10mm	0.173	0.420	0.593	0.121	0.141	0.109	0.018	0.714	0.752	0.720
			Back Side 10mm	0.327	0.377	0.704	0.135	0.244	0.491	0.022	0.839	0.970	1.217
			Left Edge 10mm	0.056	0.000	0.056	0.094	0.278	0.377	0.014	0.150	0.348	0.447
			Right Edge 10mm	0.087	0.066	0.153	0.017	0.030	0.042	0.006	0.170	0.189	0.201
			Top Edge 10mm	0.000	0.451	0.451	0.198	0.264	0.434	0.030	0.649	0.745	0.915

			Bottom Edge 10mm	0.457	0.000	0.457	0.009	0.006	0.010	0.004	0.466	0.467	0.471
	ANT3	ANT4	Front Side 10mm	0.028	0.046	0.074	0.121	0.141	0.109	0.018	0.195	0.233	0.201
			Back Side 10mm	0.044	0.061	0.105	0.135	0.244	0.491	0.022	0.240	0.371	0.618
			Left Edge 10mm	0.037	0.000	0.037	0.094	0.278	0.377	0.014	0.131	0.329	0.428
			Right Edge 10mm	0.000	0.024	0.024	0.017	0.030	0.042	0.006	0.041	0.060	0.072
			Top Edge 10mm	0.024	0.018	0.042	0.198	0.264	0.434	0.030	0.240	0.336	0.506
			Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.006	0.010	0.004	0.009	0.010	0.014
	ANT3	ANT1	Front Side 10mm	0.028	0.420	0.448	0.121	0.141	0.109	0.018	0.569	0.607	0.575
			Back Side 10mm	0.044	0.377	0.421	0.135	0.244	0.491	0.022	0.556	0.687	0.934
			Left Edge 10mm	0.037	0.000	0.037	0.094	0.278	0.377	0.014	0.131	0.329	0.428
			Right Edge 10mm	0.000	0.066	0.066	0.017	0.030	0.042	0.006	0.083	0.102	0.114
			Top Edge 10mm	0.024	0.451	0.475	0.198	0.264	0.434	0.030	0.673	0.769	0.939
			Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.006	0.010	0.004	0.009	0.010	0.014
DC_7A_n66A	ANT0	ANT4	Front Side 10mm	0.221	0.046	0.267	0.121	0.141	0.109	0.018	0.388	0.426	0.394
			Back Side 10mm	0.372	0.061	0.433	0.135	0.244	0.491	0.022	0.568	0.699	0.946
			Left Edge 10mm	0.154	0.000	0.154	0.094	0.278	0.377	0.014	0.248	0.446	0.545
			Right Edge 10mm	0.152	0.024	0.176	0.017	0.030	0.042	0.006	0.193	0.212	0.224
			Top Edge 10mm	0.000	0.018	0.018	0.198	0.264	0.434	0.030	0.216	0.312	0.482
			Bottom Edge 10mm	0.267	0.000	0.267	0.009	0.006	0.010	0.004	0.276	0.277	0.281
	ANT0	ANT1	Front Side 10mm	0.221	0.420	0.641	0.121	0.141	0.109	0.018	0.762	0.800	0.768
			Back Side 10mm	0.372	0.377	0.749	0.135	0.244	0.491	0.022	0.884	1.015	1.262
			Left Edge 10mm	0.154	0.000	0.154	0.094	0.278	0.377	0.014	0.248	0.446	0.545
			Right Edge 10mm	0.152	0.066	0.218	0.017	0.030	0.042	0.006	0.235	0.254	0.266
			Top Edge 10mm	0.000	0.451	0.451	0.198	0.264	0.434	0.030	0.649	0.745	0.915
			Bottom Edge 10mm	0.267	0.400	0.667	0.009	0.006	0.010	0.004	0.676	0.677	0.681
	ANT3	ANT4	Front Side 10mm	0.137	0.046	0.183	0.121	0.141	0.109	0.018	0.304	0.342	0.310
			Back Side 10mm	0.363	0.061	0.424	0.135	0.244	0.491	0.022	0.559	0.690	0.937
			Left Edge 10mm	0.075	0.000	0.075	0.094	0.278	0.377	0.014	0.169	0.367	0.466
			Right Edge 10mm	0.000	0.024	0.024	0.017	0.030	0.042	0.006	0.041	0.060	0.072
			Top Edge 10mm	0.034	0.018	0.052	0.198	0.264	0.434	0.030	0.250	0.346	0.516
			Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.006	0.010	0.004	0.009	0.010	0.014
	ANT3	ANT1	Front Side 10mm	0.137	0.420	0.557	0.121	0.141	0.109	0.018	0.678	0.716	0.684
			Back Side 10mm	0.363	0.377	0.740	0.135	0.244	0.491	0.022	0.875	1.006	1.253
			Left Edge 10mm	0.075	0.000	0.075	0.094	0.278	0.377	0.014	0.169	0.367	0.466
			Right Edge 10mm	0.000	0.066	0.066	0.017	0.030	0.042	0.006	0.083	0.102	0.114
			Top Edge 10mm	0.034	0.451	0.485	0.198	0.264	0.434	0.030	0.683	0.779	0.949
			Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.006	0.010	0.004	0.009	0.010	0.014
DC_7A_n7A	ANT0	ANT4	Front Side 10mm	0.221	0.097	0.318	0.121	0.141	0.109	0.018	0.439	0.477	0.445
			Back Side 10mm	0.372	0.239	0.611	0.135	0.244	0.491	0.022	0.746	0.877	1.124
			Left Edge 10mm	0.154	0.000	0.154	0.094	0.278	0.377	0.014	0.248	0.446	0.545
			Right Edge 10mm	0.152	0.164	0.316	0.017	0.030	0.042	0.006	0.333	0.352	0.364
			Top Edge 10mm	0.000	0.055	0.055	0.198	0.264	0.434	0.030	0.253	0.349	0.519
			Bottom Edge 10mm	0.267	0.000	0.267	0.009	0.006	0.010	0.004	0.276	0.277	0.281
	ANT0	ANT1	Front Side 10mm	0.221	0.617	0.838	0.121	0.141	0.109	0.018	0.959	0.997	0.965
			Back Side 10mm	0.372	0.319	0.691	0.135	0.244	0.491	0.022	0.826	0.957	1.204

			Left Edge 10mm	0.154	0.000	0.154	0.094	0.278	0.377	0.014	0.248	0.446	0.545
			Right Edge 10mm	0.152	0.387	0.539	0.017	0.030	0.042	0.006	0.556	0.575	0.587
			Top Edge 10mm	0.000	0.254	0.254	0.198	0.264	0.434	0.030	0.452	0.548	0.718
			Bottom Edge 10mm	0.267	0.000	0.267	0.009	0.006	0.010	0.004	0.276	0.277	0.281
	ANT3	ANT4	Front Side 10mm	0.137	0.097	0.234	0.121	0.141	0.109	0.018	0.355	0.393	0.361
			Back Side 10mm	0.363	0.239	0.602	0.135	0.244	0.491	0.022	0.737	0.868	1.115
			Left Edge 10mm	0.075	0.000	0.075	0.094	0.278	0.377	0.014	0.169	0.367	0.466
			Right Edge 10mm	0.000	0.164	0.164	0.017	0.030	0.042	0.006	0.181	0.200	0.212
			Top Edge 10mm	0.034	0.055	0.089	0.198	0.264	0.434	0.030	0.287	0.383	0.553
			Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.006	0.010	0.004	0.009	0.010	0.014
	ANT3	ANT1	Front Side 10mm	0.137	0.617	0.754	0.121	0.141	0.109	0.018	0.875	0.913	0.881
			Back Side 10mm	0.363	0.319	0.682	0.135	0.244	0.491	0.022	0.817	0.948	1.195
			Left Edge 10mm	0.075	0.000	0.075	0.094	0.278	0.377	0.014	0.169	0.367	0.466
			Right Edge 10mm	0.000	0.387	0.387	0.017	0.030	0.042	0.006	0.404	0.423	0.435
			Top Edge 10mm	0.034	0.254	0.288	0.198	0.264	0.434	0.030	0.486	0.582	0.752
			Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.006	0.010	0.004	0.009	0.010	0.014

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

13.2.7 Spcific Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR			SUM SAR	
			1	2	3		
			WWAN	5.3G WIFI	5.6G WIFI	Sum SAR (1+2)	Sum SAR (1+3)
WCDMA B2	ANT1	Back Side 0mm	1.373	1.295	1.021	2.668	2.394
	ANT1	Top Edge 0mm	1.779	1.357	1.067	**3.136**	2.846
WCDMA B2	ANT0	Bottom Edge 0mm	1.344	0.020	0.017	1.364	1.361
LTE B2	ANT1	Back Side 0mm	1.151	1.295	1.021	2.446	2.172
	ANT1	Top Edge 0mm	1.265	1.357	1.067	2.622	2.332
LTE B2	ANT0	Bottom Edge 0mm	1.301	0.020	0.017	1.321	1.318

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 3.136 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: 3717	2021/06/07	2022/06/06
E-Field Probe	Speag	EX3DV4	SN: 7607	2021/08/12	2022/08/11
Data Acquisition Electronics	Speag	DAE4	SN: 1454	2021/11/05	2022/11/04
Data Acquisition Electronics	Speag	DAE4	SN: 1226	2021/05/17	2022/05/16
Signal Generator	R&S	SMB100A	182396	2020/12/21	2021/12/20
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2021/09/08	2022/09/07
Power Sensor	R&S	NRV-Z4	100381	2021/09/08	2022/09/07
Power Sensor	R&S	NRV-Z2	100211	2021/09/08	2022/09/07
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2021/03/16	2022/03/15
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2021/03/16	2022/03/15
Network Analyzer	Agilent	E5071B	MY42404001	2021/04/01	2022/03/31
Thermometer	Elitech	RC-4HC	EF720B004820	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 (%)
2021.11.20	Head	750	21.4	0.90	41.60	0.89	41.94	1.12	-0.81
2021.11.22	Head	750	21.4	0.91	41.77	0.89	41.94	2.25	-0.41
2021.11.21	Head	835	21.4	0.90	41.89	0.90	41.50	0.00	0.94
2021.11.10	Head	835	21.6	0.90	41.78	0.90	41.50	0.00	0.67
2021.11.11	Head	835	21.5	0.90	41.69	0.90	41.50	0.00	0.46
2021.11.15	Head	835	21.2	0.90	41.81	0.90	41.50	0.00	0.75
2021.11.16	Head	835	21.3	0.90	41.73	0.90	41.50	0.00	0.55
2021.11.19	Head	835	21.3	0.90	41.82	0.90	41.50	0.00	0.77
2021.11.24	Head	835	21.5	0.90	41.73	0.90	41.50	0.00	0.55
2021.11.14	Head	1750	21.5	1.38	40.18	1.37	40.08	0.73	0.25
2021.11.18	Head	1750	21.3	1.38	40.21	1.37	40.08	0.73	0.32
2021.11.23	Head	1750	21.2	1.38	40.03	1.37	40.08	0.73	-0.12
2021.11.25	Head	1750	21.4	1.38	40.04	1.37	40.08	0.73	-0.10
2021.11.12	Head	1900	21.5	1.40	39.82	1.40	40.00	0.00	-0.45
2021.11.13	Head	1900	21.6	1.40	39.87	1.40	40.00	0.00	-0.33
2021.11.17	Head	1900	21.1	1.40	38.87	1.40	40.00	0.00	-2.83
2021.12.01	Head	2450	21.6	1.80	39.62	1.80	39.20	0.00	1.07
2021.12.02	Head	2450	21.5	1.80	39.47	1.80	39.20	0.00	0.69
2021.12.03	Head	2600	21.4	1.98	38.62	1.96	39.01	1.02	-1.00
2021.12.04	Head	2600	21.4	1.97	38.36	1.96	39.01	0.51	-1.67
2021.12.05	Head	2600	21.4	1.97	38.54	1.96	39.01	0.51	-1.20
2021.12.06	Head	2600	21.2	1.97	38.51	1.96	39.01	0.51	-1.28
2021.12.07	Head	2600	21.5	1.97	38.61	1.96	39.01	0.51	-1.03
2021.11.27	Head	2600	21.2	1.97	38.41	1.96	39.01	0.51	-1.54
2021.11.28	Head	2600	21.5	1.97	38.37	1.96	39.01	0.51	-1.64
2021.11.29	Head	2600	21.6	1.98	38.52	1.96	39.01	1.02	-1.26
2021.11.30	Head	2600	21.3	1.98	38.60	1.96	39.01	1.02	-1.05
2021.12.08	Head	5250	21.6	4.71	35.90	4.71	35.93	0.00	-0.08
2021.12.09	Head	5250	21.4	4.70	35.84	4.71	35.93	-0.21	-0.25
2021.12.10	Head	5600	21.2	5.05	35.12	5.07	35.53	-0.39	-1.15
2021.12.11	Head	5600	21.3	5.06	35.14	5.07	35.53	-0.20	-1.10
2021.12.12	Head	5750	21.1	5.18	35.48	5.22	35.36	-0.77	0.34
2021.12.13	Head	5750	21.3	5.17	35.59	5.22	35.36	-0.96	0.65
Note: The tolerance limit of Conductivity and Permittivity is± 5%.									

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2021.11.20	Head	750	100	0.821	8.21	8.29	-0.97
2021.11.22	Head	750	100	0.845	8.45	8.29	1.93
2021.11.21	Head	835	100	0.957	9.57	9.76	-1.95
2021.11.10	Head	835	100	0.964	9.64	9.76	-1.23
2021.11.11	Head	835	100	0.975	9.75	9.76	-0.10
2021.11.15	Head	835	100	0.982	9.82	9.76	0.61
2021.11.16	Head	835	100	0.958	9.58	9.76	-1.84
2021.11.19	Head	835	100	0.932	9.32	9.76	-4.51
2021.11.24	Head	835	100	0.994	9.94	9.76	1.84
2021.11.14	Head	1750	100	3.590	35.90	36.70	-2.18
2021.11.18	Head	1750	100	3.620	36.20	36.70	-1.36
2021.11.23	Head	1750	100	3.810	38.10	36.70	3.81
2021.11.25	Head	1750	100	3.740	37.40	36.70	1.91
2021.11.12	Head	1900	100	3.950	39.50	40.30	-1.99
2021.11.13	Head	1900	100	4.180	41.80	40.30	3.72
2021.11.17	Head	1900	100	4.070	40.70	40.30	0.99
2021.12.01	Head	2450	100	5.070	50.70	53.00	-4.34
2021.12.02	Head	2450	100	5.110	51.10	53.00	-3.58
2021.12.03	Head	2600	100	5.590	55.90	56.80	-1.58
2021.12.04	Head	2600	100	5.680	56.80	56.80	0.00
2021.12.05	Head	2600	100	5.720	57.20	56.80	0.70
2021.12.06	Head	2600	100	5.640	56.40	56.80	-0.70
2021.12.07	Head	2600	100	5.660	56.60	56.80	-0.35
2021.11.27	Head	2600	100	5.580	55.80	56.80	-1.76
2021.11.28	Head	2600	100	5.540	55.40	56.80	-2.46
2021.11.29	Head	2600	100	5.810	58.10	56.80	2.29
2021.11.30	Head	2600	100	5.850	58.50	56.80	2.99
2021.12.08	Head	5250	100	7.680	76.80	77.80	-1.29
2021.12.09	Head	5250	100	7.810	78.10	77.80	0.39
2021.12.10	Head	5600	100	8.190	81.90	81.20	0.86
2021.12.11	Head	5600	100	8.240	82.40	81.20	1.48
2021.12.12	Head	5750	100	7.780	77.80	77.20	0.78
2021.12.13	Head	5750	100	7.880	78.80	77.20	2.07
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 (%)
2021.11.13	Head	1900	100	2.120	21.20	20.30	4.43
2021.11.17	Head	1900	100	2.050	20.50	20.30	0.99
2021.12.08	Head	5250	100	2.190	21.90	22.10	-0.90
2021.12.11	Head	5600	100	2.370	23.70	23.10	2.60
Note: The tolerance limit of System validation ±10%.							

System Performance Check Data (750MHz)

Date: 2021.11.20

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.904 S/m; ε_r = 41.596; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.809 W/kg

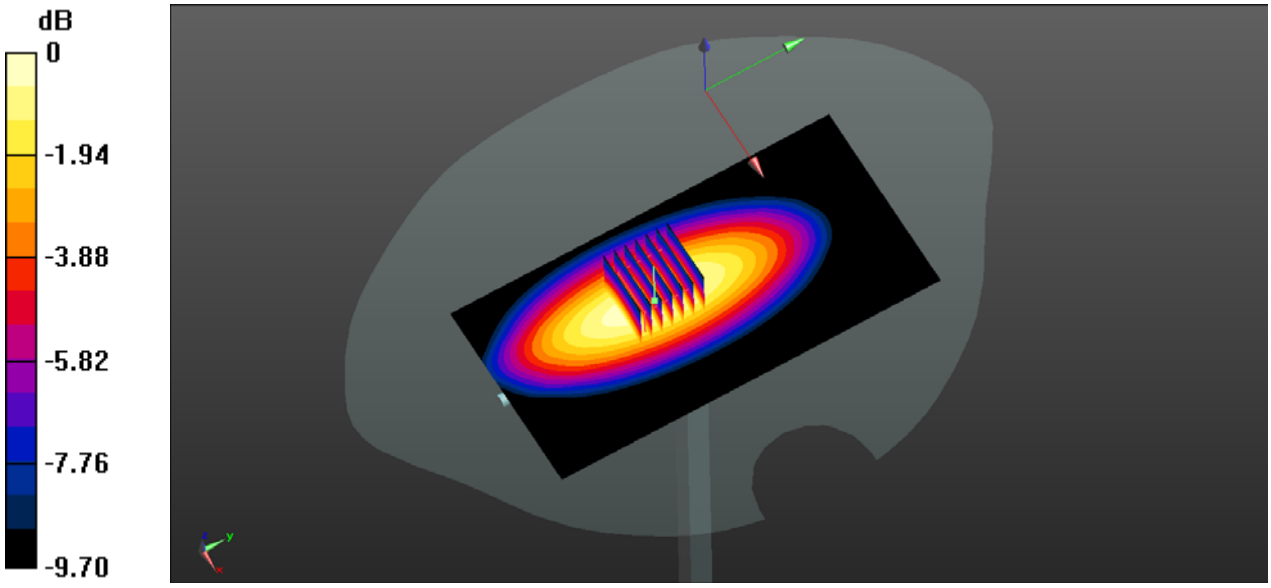
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.05 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.821 W/kg; SAR(10 g) = 0.529 W/kg

Maximum value of SAR (measured) = 0.817 W/kg



0 dB = 0.817 W/kg

System Performance Check Data (750MHz)

Date: 2021.11.22

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.906 S/m; ε_r = 41.77; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.912 W/kg

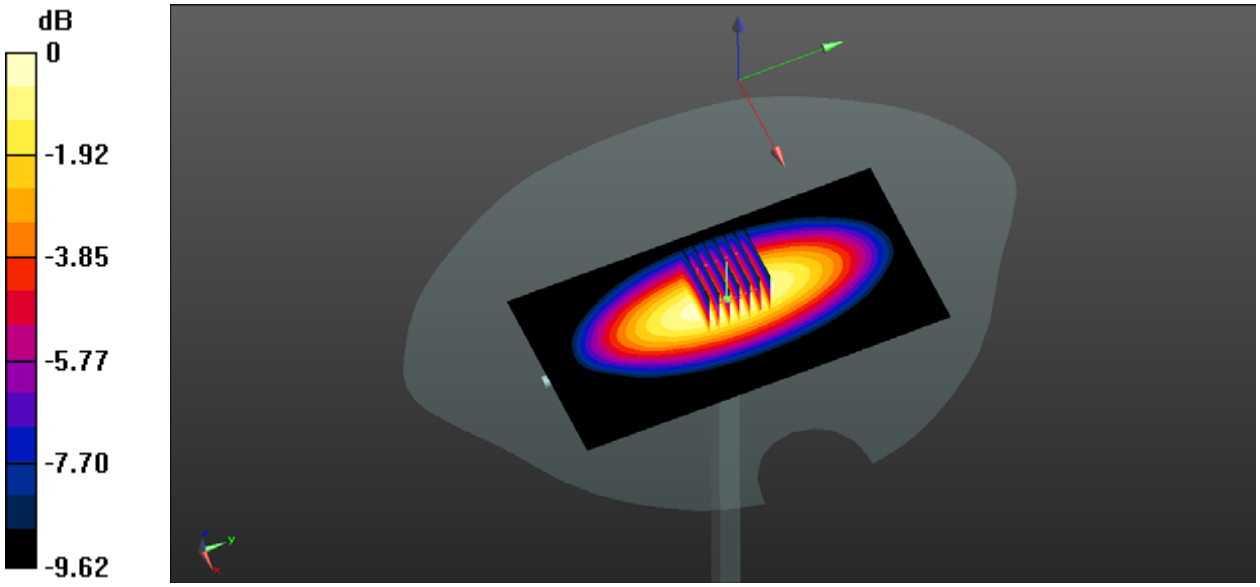
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.03 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.845 W/kg; SAR(10 g) = 0.545 W/kg

Maximum value of SAR (measured) = 0.915 W/kg



0 dB = 0.915 W/kg

System Performance Check Data (835MHz)

Date: 2021.11.21

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

Medium parameters used: f = 835 MHz; σ = 0.902 S/m; ε_r = 41.887; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

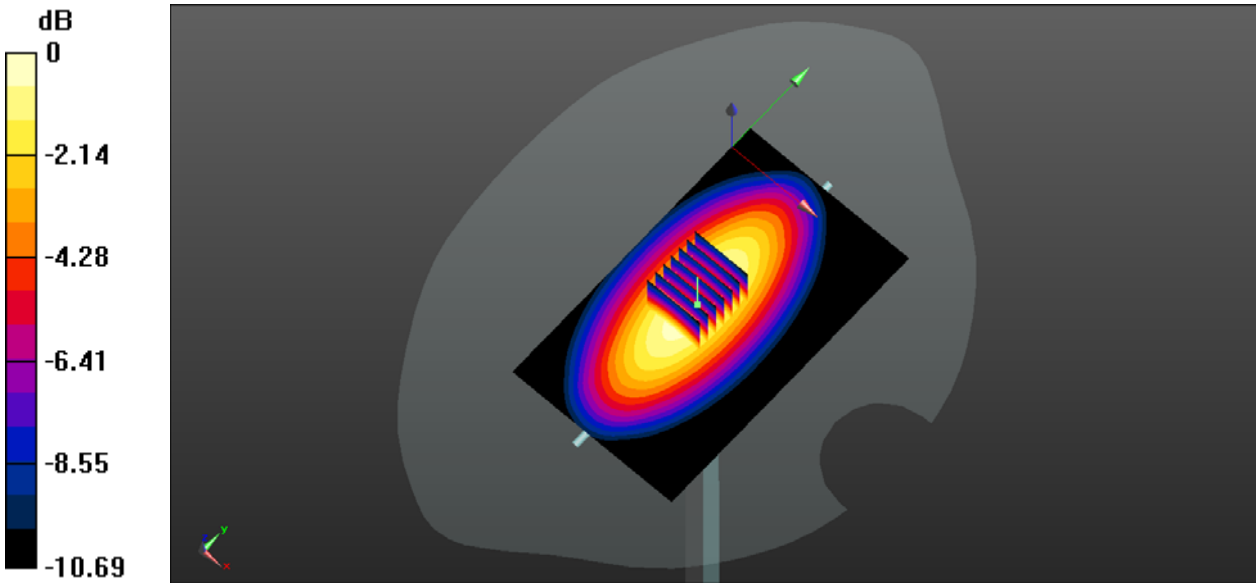
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.46 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.957 W/kg; SAR(10 g) = 0.624 W/kg

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



0 dB = 1.01 W/kg

System Performance Check Data (835MHz)

Date: 2021.11.10

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

Medium parameters used: f = 835 MHz; σ = 0.899 S/m; ε_r = 41.783; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835 100mW/Area Scan (61x81x1):: Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

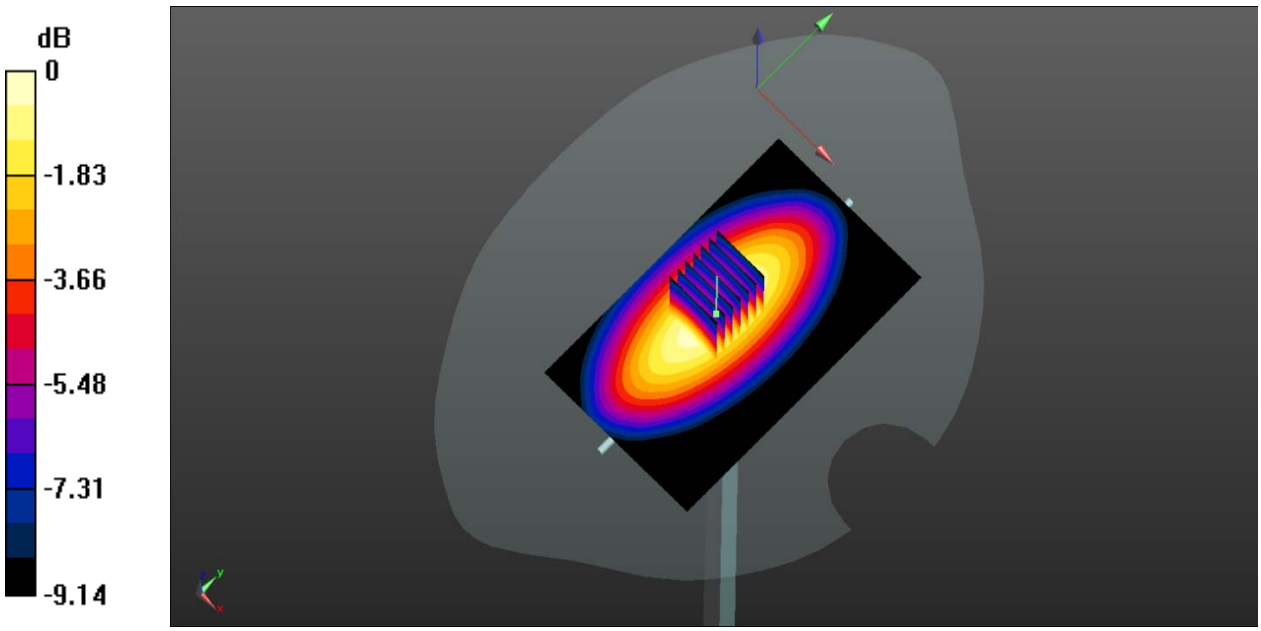
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.19 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.964 W/kg; SAR(10 g) = 0.615 W/kg

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



0 dB = 1.06 W/kg

System Performance Check Data (835MHz)

Date: 2021.11.11

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

Medium parameters used: f = 835 MHz; σ = 0.902 S/m; ε_r = 41.693; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835 100mW/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

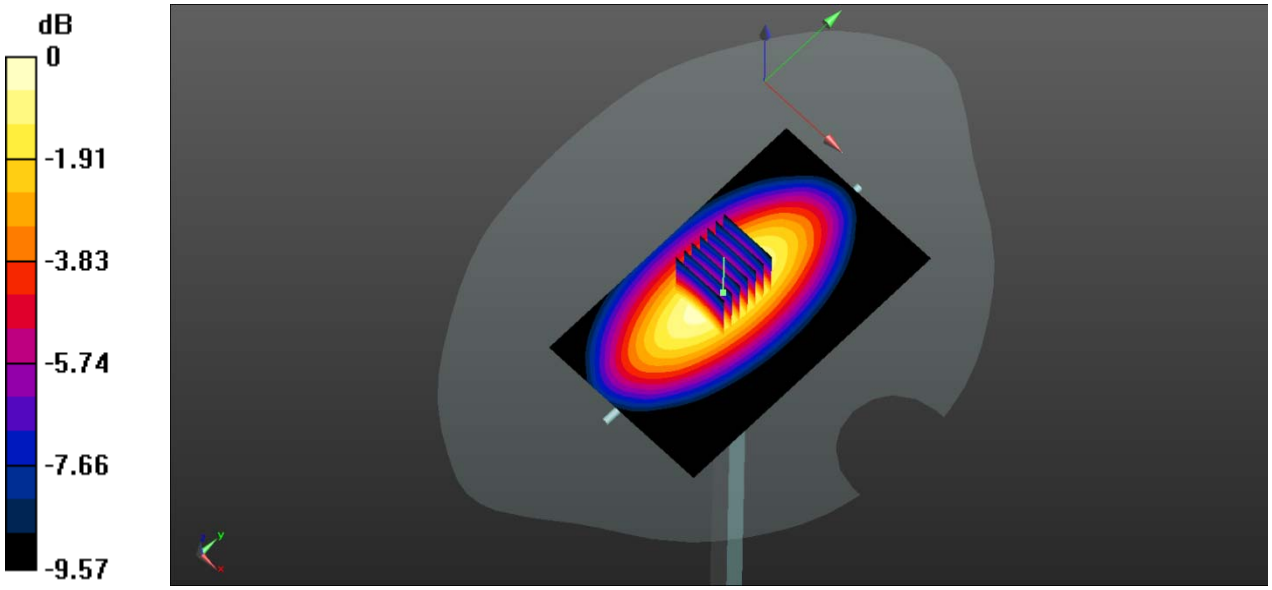
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.49 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.975 W/kg; SAR(10 g) = 0.627 W/kg

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



0 dB = 1.08 W/kg

System Performance Check Data (835MHz)

Date: 2021.11.15

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

Medium parameters used: f = 835 MHz; σ = 0.901 S/m; ε_r = 41.811; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

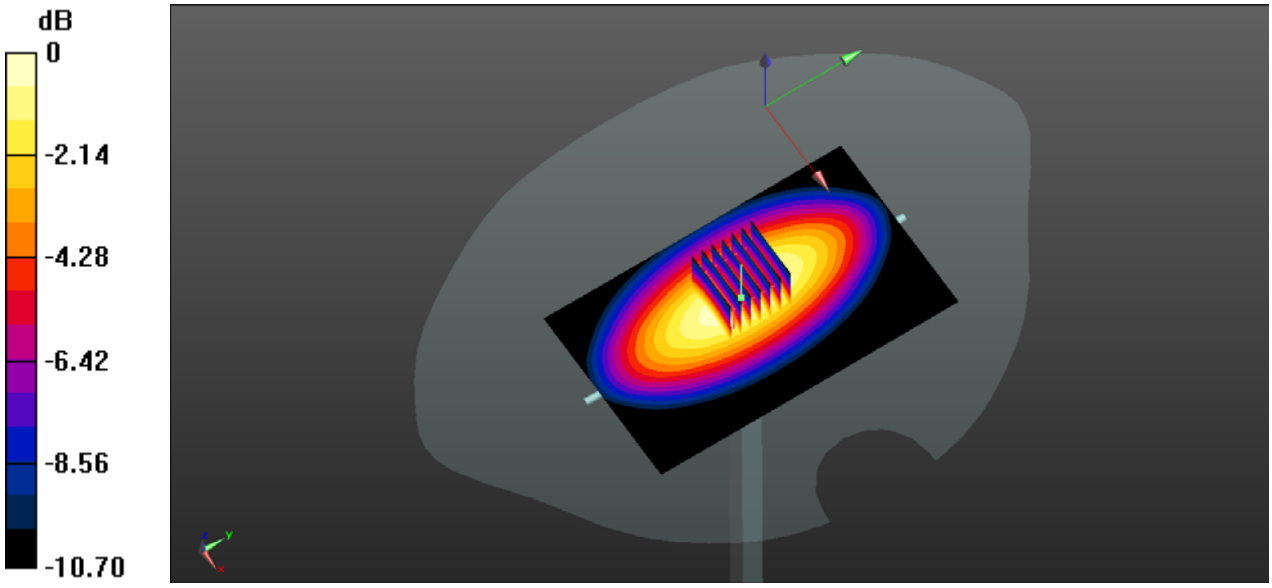
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.70 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.982 W/kg; SAR(10 g) = 0.631 W/kg

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



0 dB = 1.02 W/kg

System Performance Check Data (835MHz)

Date: 2021.11.16

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

Medium parameters used: f = 835 MHz; σ = 0.903 S/m; ε_r = 41.732; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.970 W/kg

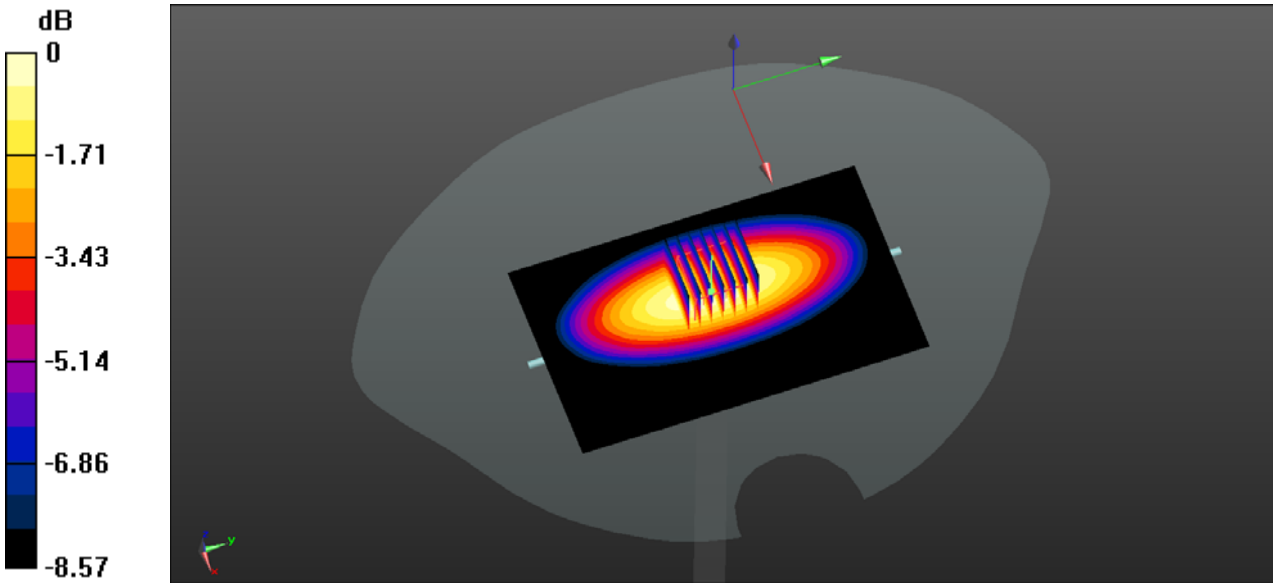
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.50 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.642 W/kg

Maximum value of SAR (measured) = 0.977 W/kg



0 dB = 0.977 W/kg

System Performance Check Data (835MHz)

Date: 2021.11.19

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

Medium parameters used: f = 835 MHz; σ = 0.896 S/m; ε_r = 41.824; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.977 W/kg

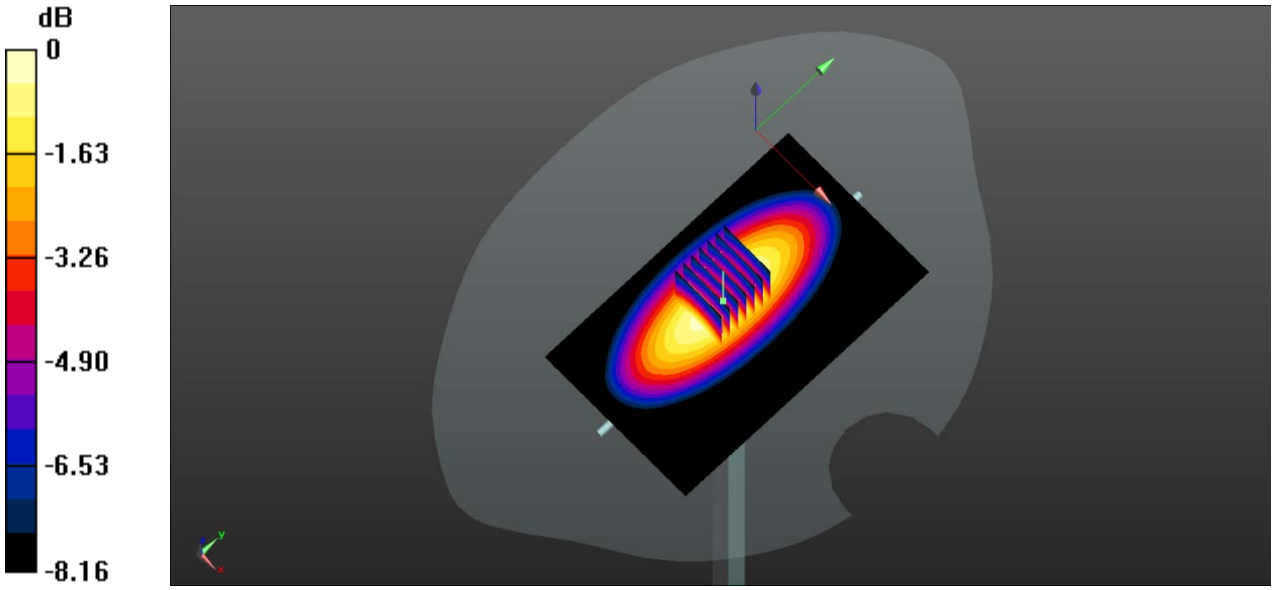
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.04 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.932 W/kg; SAR(10 g) = 0.629 W/kg

Maximum value of SAR (measured) = 0.974 W/kg



0 dB = 0.974 W/kg

System Performance Check Data (835MHz)

Date: 2021.11.24

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

Medium parameters used: f = 835 MHz; σ = 0.898 S/m; ε_r = 41.734; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.990 W/kg

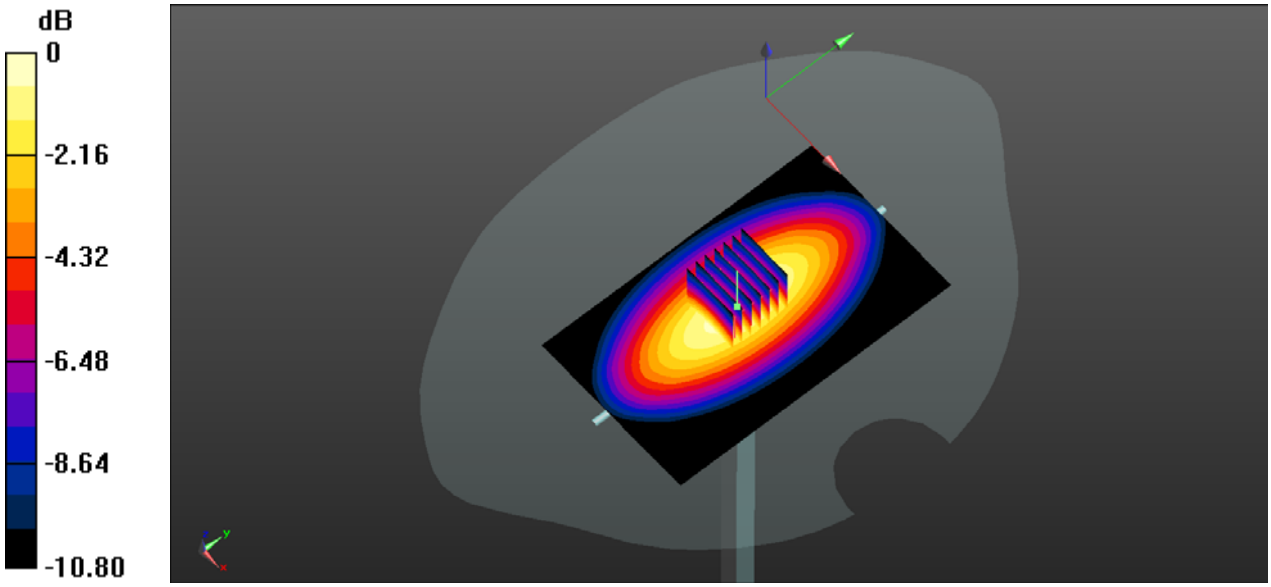
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.63 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.994 W/kg; SAR(10 g) = 0.664 W/kg

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



0 dB = 1.04 W/kg

System Performance Check Data (1750MHz)

Date: 2021.11.14

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 = 40.177; ρ = 1000 kg/m^3

Phantom section: Flat Section

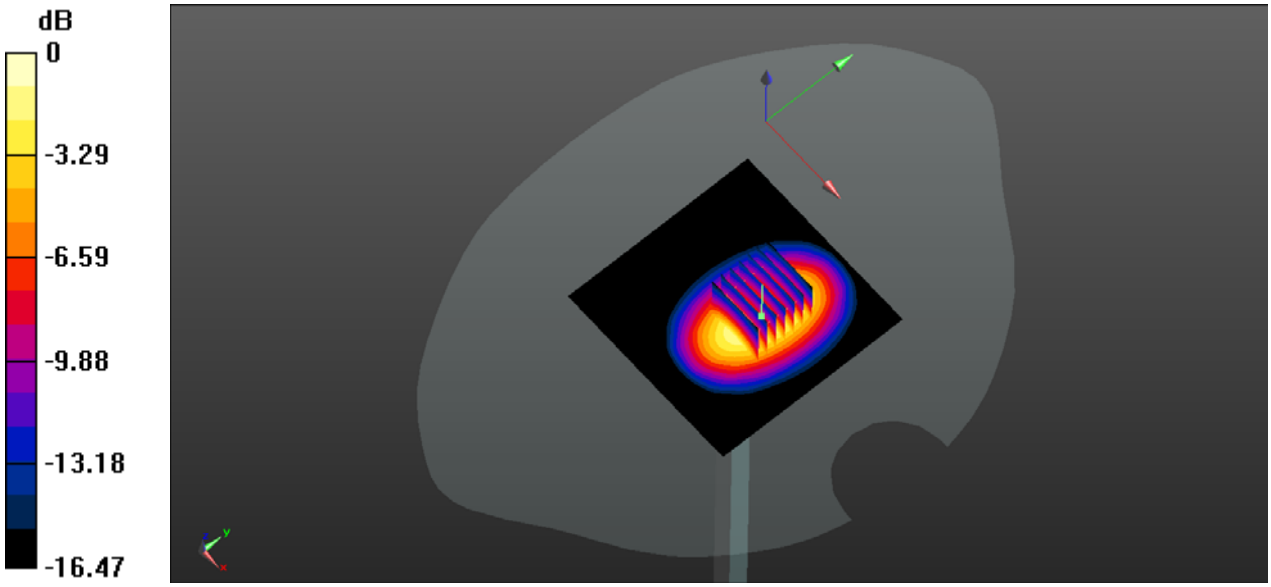
Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.14 W/kg

CW 1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 40.65 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 6.67 W/kg
SAR(1 g) = 3.59 W/kg; SAR(10 g) = 1.84 W/kg
Maximum value of SAR (measured) = 4.12 W/kg



0 dB = 4.12 W/kg

System Performance Check Data (1750MHz)

Date: 2021.11.18

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

Medium parameters used: f = 1750 MHz; σ = 1.38 S/m; ε_r = 40.211; ρ = 1000 kg/m^3

Phantom section: Flat Section

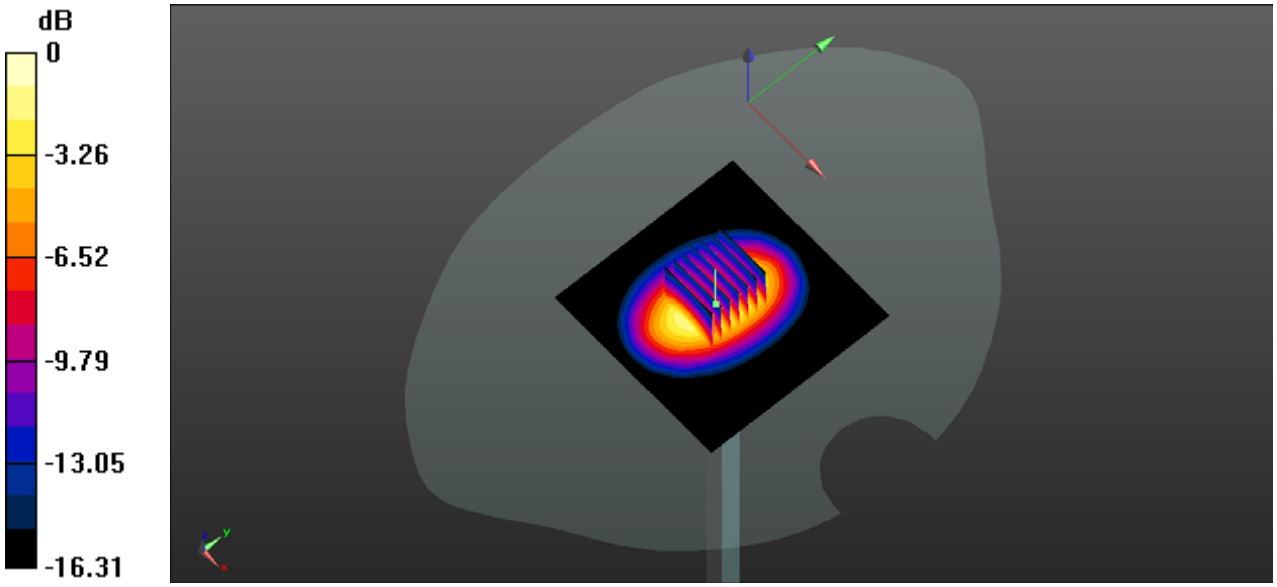
Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.13 W/kg

CW 1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.64 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 6.57 W/kg
SAR(1 g) = 3.62 W/kg; SAR(10 g) = 1.88 W/kg
Maximum value of SAR (measured) = 4.04 W/kg



0 dB = 4.04 W/kg

System Performance Check Data (1750MHz)

Date: 2021.11.23

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

Medium parameters used: f = 1750 MHz; σ = 1.38 S/m; ε_r = 40.034; ρ = 1000 kg/m^3

Phantom section: Flat Section

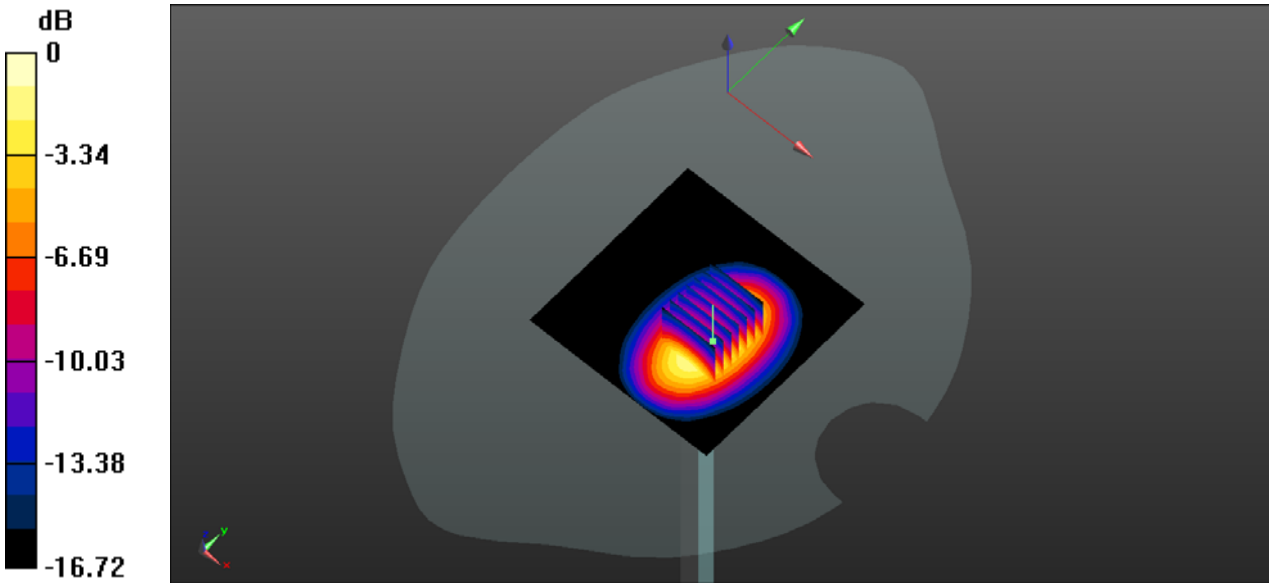
Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.25 W/kg

CW 1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.94 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 6.89 W/kg
SAR(1 g) = 3.81 W/kg; SAR(10 g) = 1.92 W/kg
Maximum value of SAR (measured) = 4.25 W/kg



0 dB = 4.25 W/kg

System Performance Check Data (1750MHz)

Date: 2021.11.25

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

Medium parameters used: f = 1750 MHz; σ = 1.377 S/m; ε_r = 40.04; ρ = 1000 kg/m^3

Phantom section: Flat Section

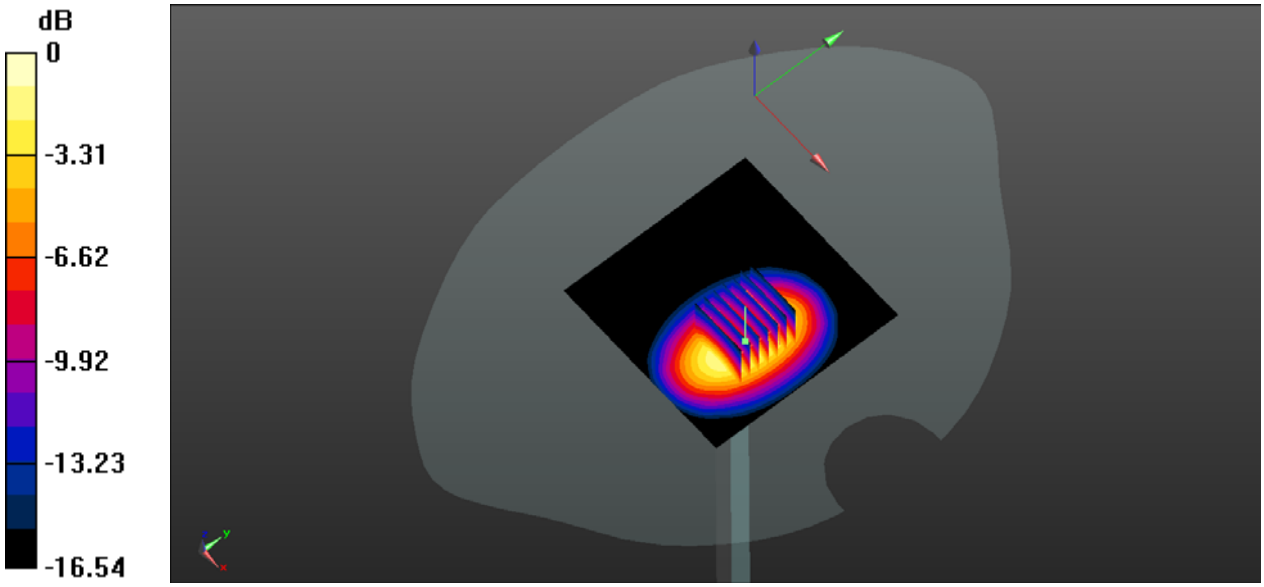
Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.37 W/kg

CW 1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.29 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 7.07 W/kg
SAR(1 g) = 3.74 W/kg; SAR(10 g) = 1.98 W/kg
Maximum value of SAR (measured) = 4.36 W/kg



0 dB = 4.36 W/kg

System Performance Check Data (1900MHz)

Date: 2021.11.12

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

Medium parameters used: f = 1900 MHz; σ = 1.398 S/m; ε_r = 39.818; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.66 W/kg

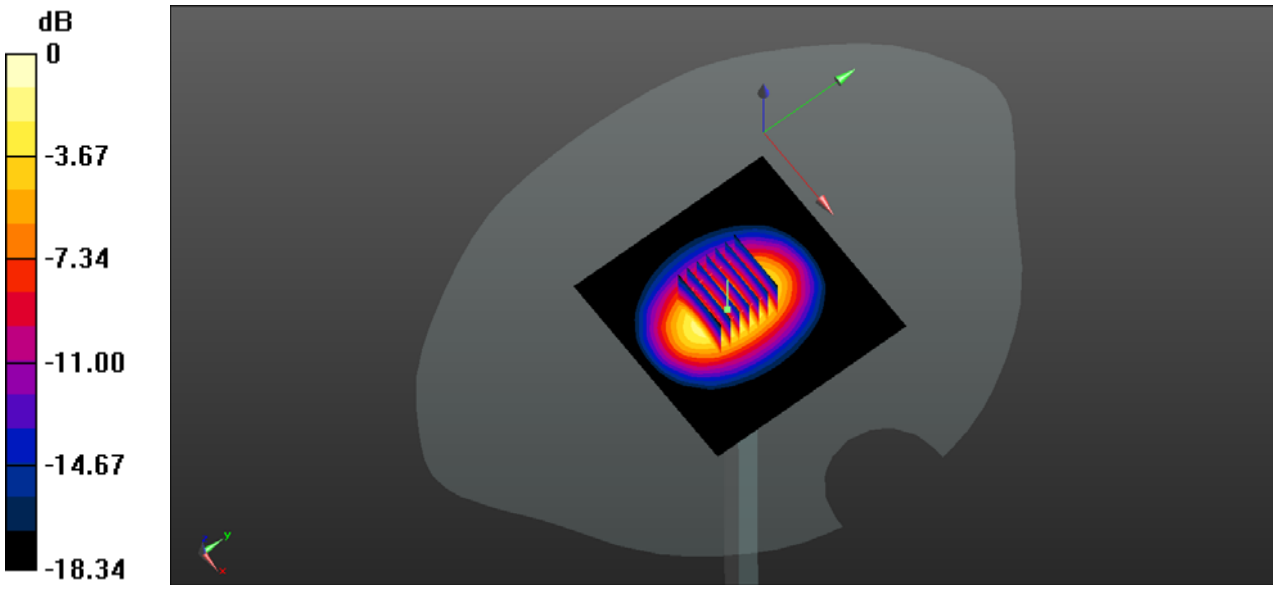
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.19 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 8.00 W/kg

SAR(1 g) = 3.95 W/kg; SAR(10 g) = 1.94 W/kg

Maximum value of SAR (measured) = 4.70 W/kg



0 dB = 4.70 W/kg

System Performance Check Data (1900MHz)

Date: 2021.11.13

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

Medium parameters used: f = 1900 MHz; σ = 1.397 S/m; ε_r = 39.867; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

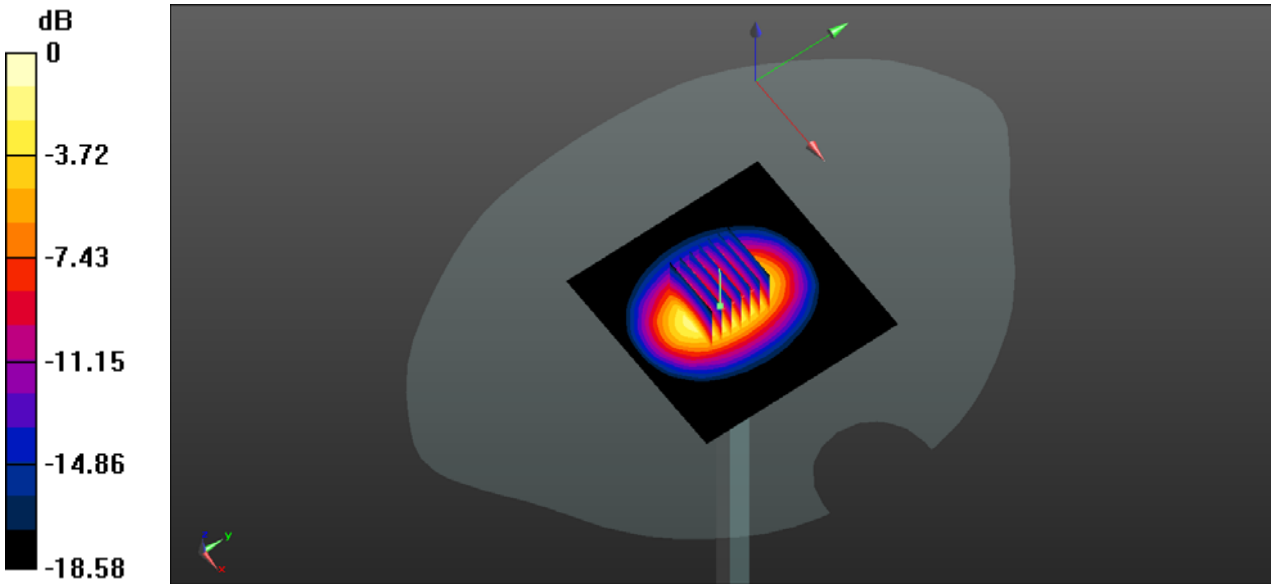
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.57 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 7.83 W/kg

SAR(1 g) = 4.18 W/kg; SAR(10 g) = 2.12 W/kg

Maximum value of SAR (measured) = 4.60 W/kg



0 dB = 4.60 W/kg

System Performance Check Data (1900MHz)

Date: 2021.11.17

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

Medium parameters used: f = 1900 MHz; σ = 1.396 S/m; ε_r = 39.873; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.50 W/kg

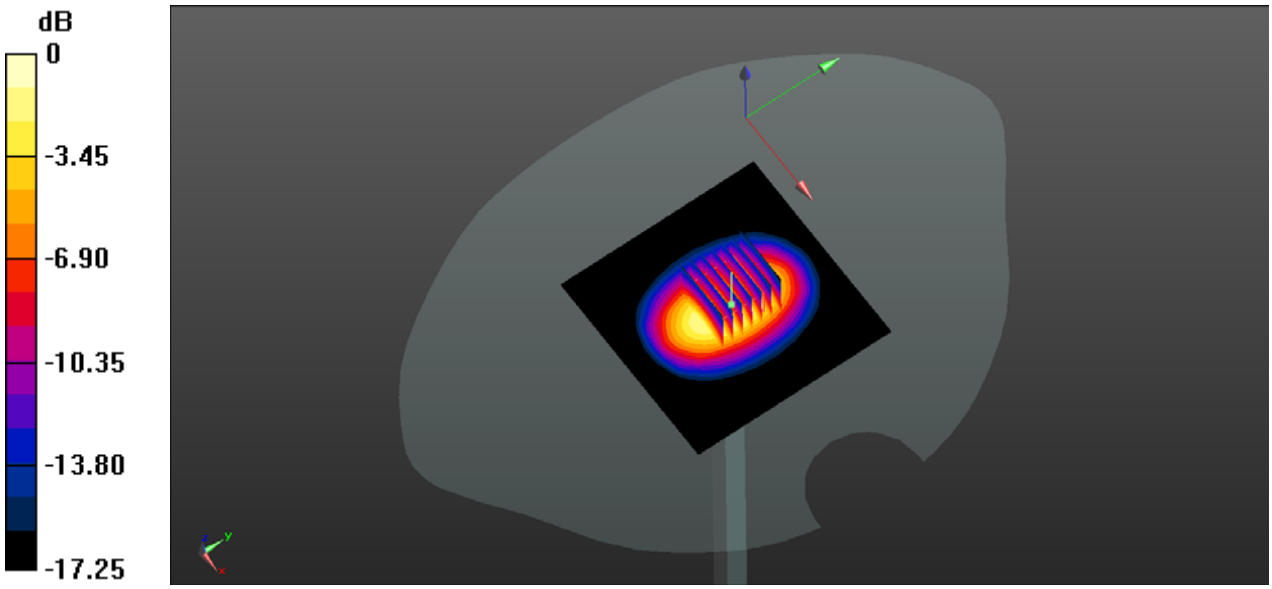
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.47 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.19 W/kg

SAR(1 g) = 4.07 W/kg; SAR(10 g) = 2.05 W/kg

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



0 dB = 4.43 W/kg

System Performance Check Data (2450MHz)

Date: 2021.12.01

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

Medium parameters used: f = 2450 MHz; σ = 1.797 S/m; ε_r = 39.621; ρ = 1000 kg/m^3

Phantom section: Flat Section

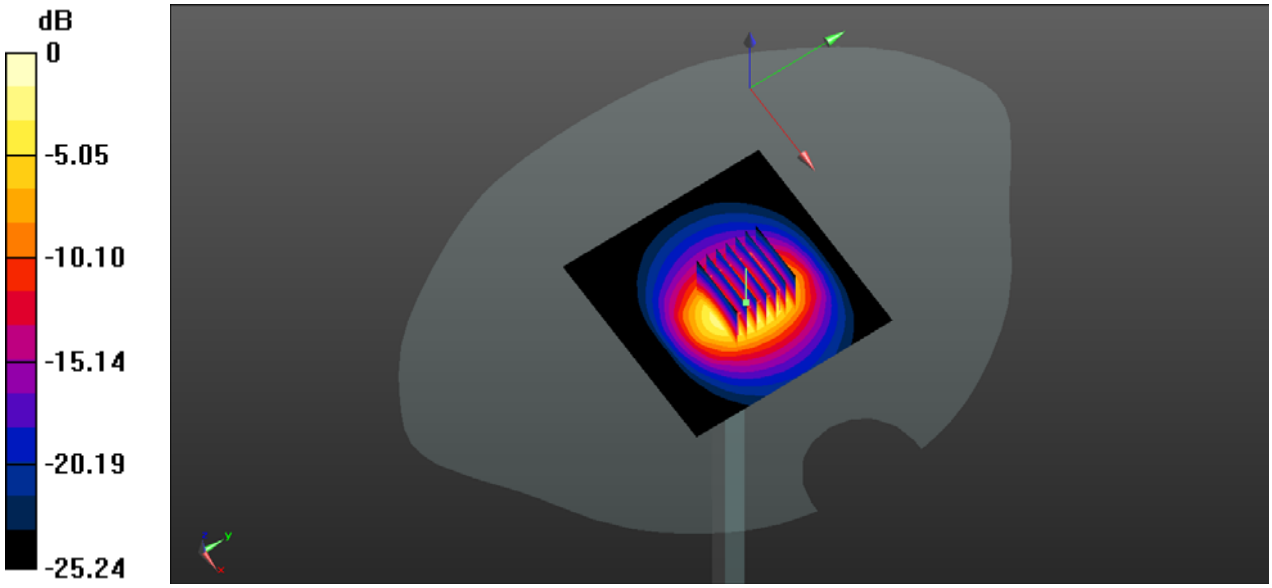
Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.59 W/kg

CW 2450 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 46.73 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 13.7 W/kg
SAR(1 g) = 5.07 W/kg; SAR(10 g) = 2.37 W/kg
Maximum value of SAR (measured) = 6.52 W/kg



0 dB = 6.52 W/kg

System Performance Check Data (2450MHz)

Date: 2021.12.02

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

Medium parameters used: f = 2450 MHz; σ = 1.802 S/m; ε_r = 39.469; ρ = 1000 kg/m^3

Phantom section: Flat Section

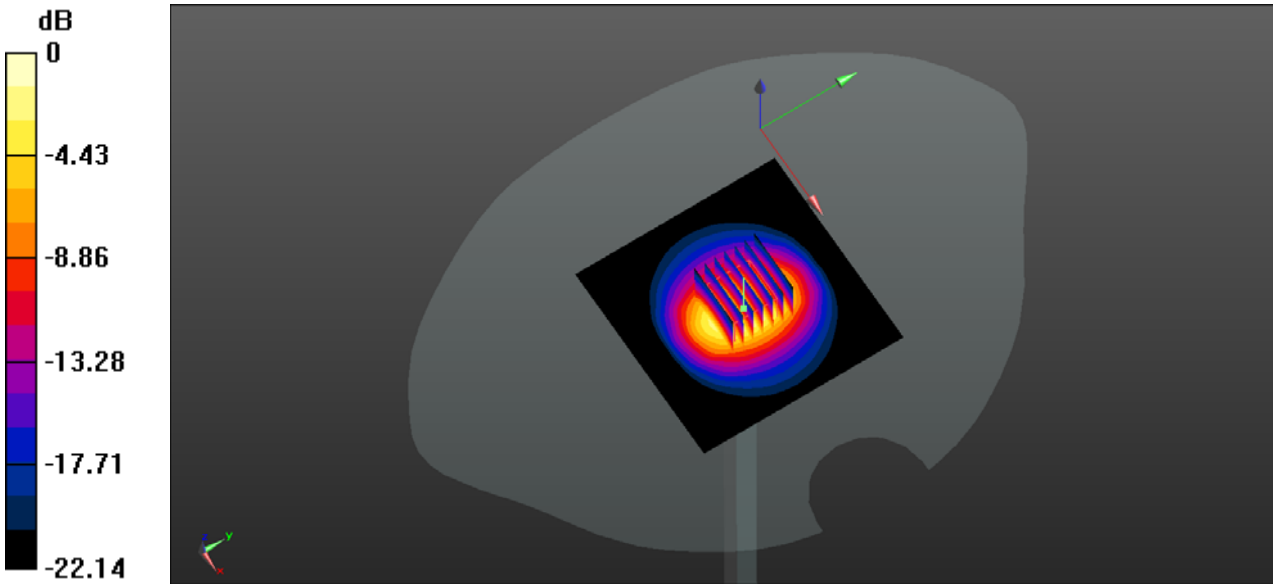
Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.36 W/kg

CW 2450 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.39 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 12.2 W/kg
SAR(1 g) = 5.11 W/kg; SAR(10 g) = 2.35 W/kg
Maximum value of SAR (measured) = 6.39 W/kg



0 dB = 6.39 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.03

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.975 S/m; ε_r = 38.616; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.78 W/kg

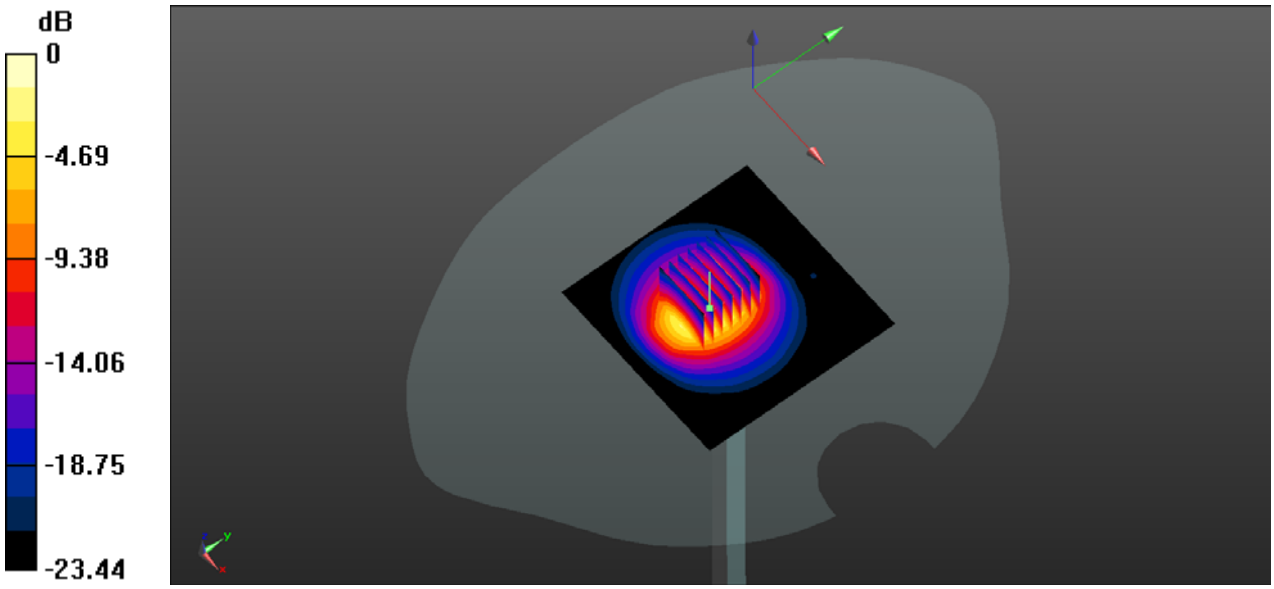
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.47 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 11.9 W/kg

SAR(1 g) = 5.59 W/kg; SAR(10 g) = 2.41 W/kg

Maximum value of SAR (measured) = 6.63 W/kg



0 dB = 6.63 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.04

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 = 38.36; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

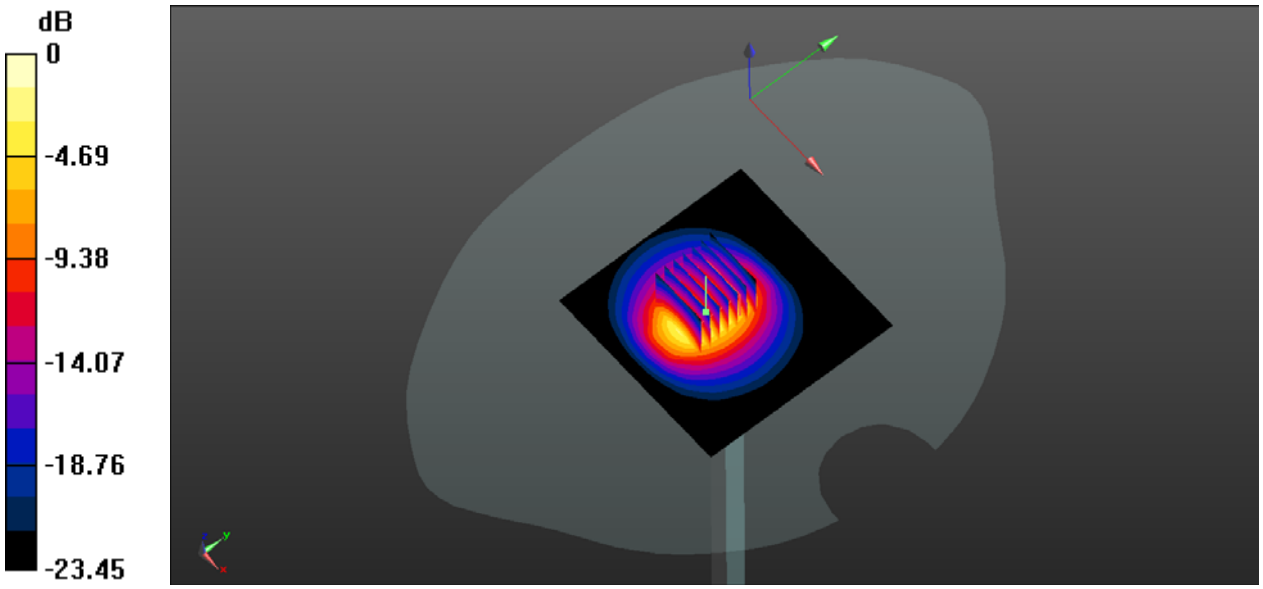
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 43.90 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 5.68 W/kg; SAR(10 g) = 2.47 W/kg

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



0 dB = 6.39 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.05

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.97 S/m; ε_r = 38.544; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.45 W/kg

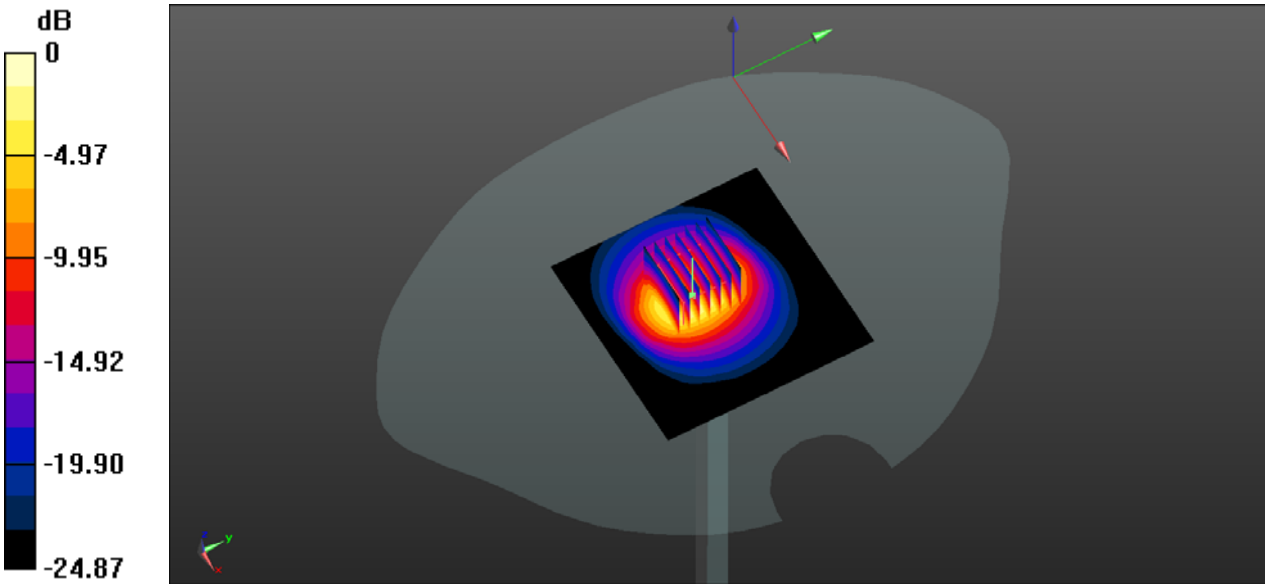
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.51 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 12.3 W/kg

SAR(1 g) = 5.72 W/kg; SAR(10 g) = 2.45 W/kg

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



0 dB = 6.34 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.06

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.968 S/m; ε_r = 38.51; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

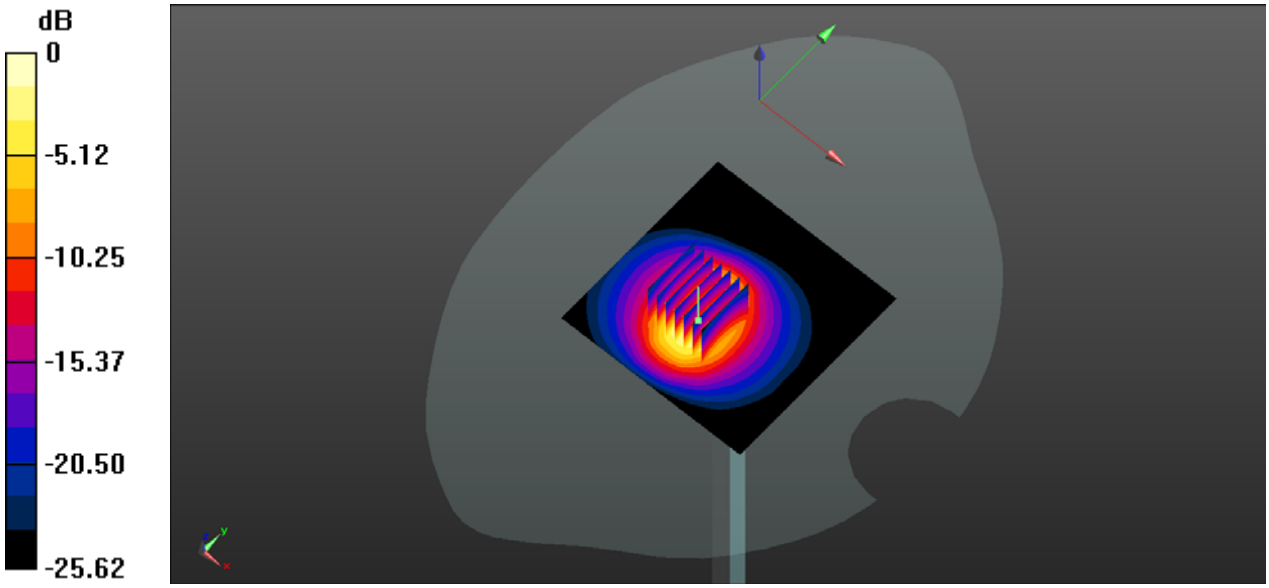
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.01 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 12.4 W/kg

SAR(1 g) = 5.64 W/kg; SAR(10 g) = 2.43 W/kg

Maximum value of SAR (measured) = 6.40 W/kg



0 dB = 6.40 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.07

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.973 S/m; ε_r = 38.61; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.71 W/kg

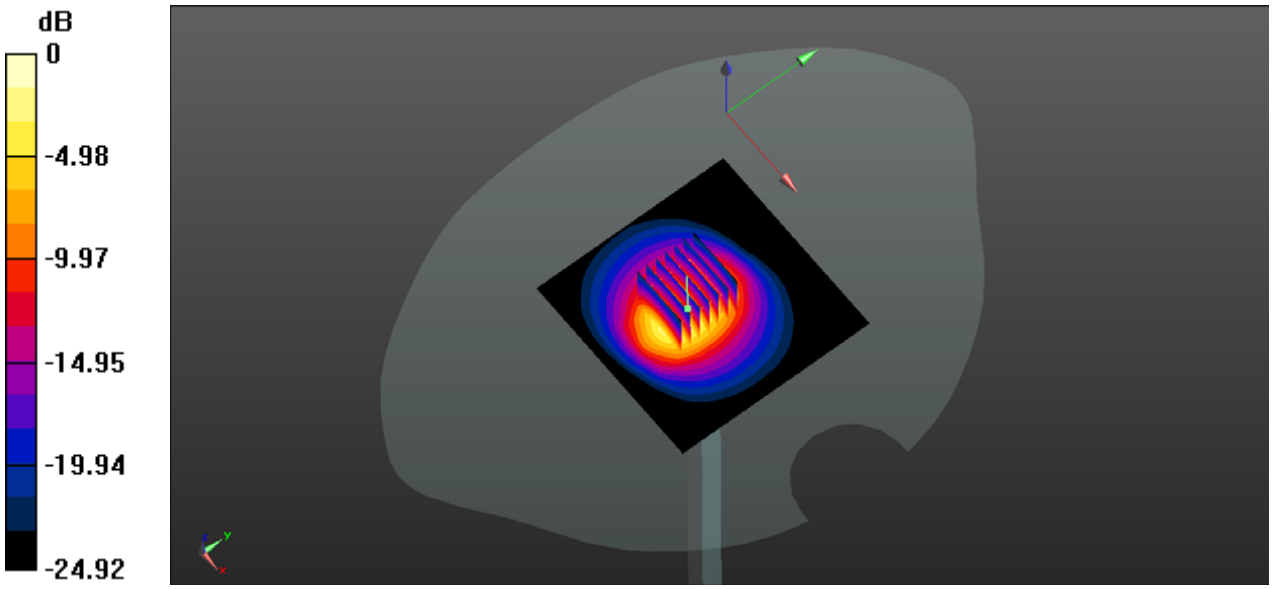
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.38 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.66 W/kg; SAR(10 g) = 2.49 W/kg

Maximum value of SAR (measured) = 6.57 W/kg



0 dB = 6.57 W/kg

System Performance Check Data (2600MHz)

Date: 2021.11.27

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.968 S/m; ε_r = 38.409; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.80 W/kg

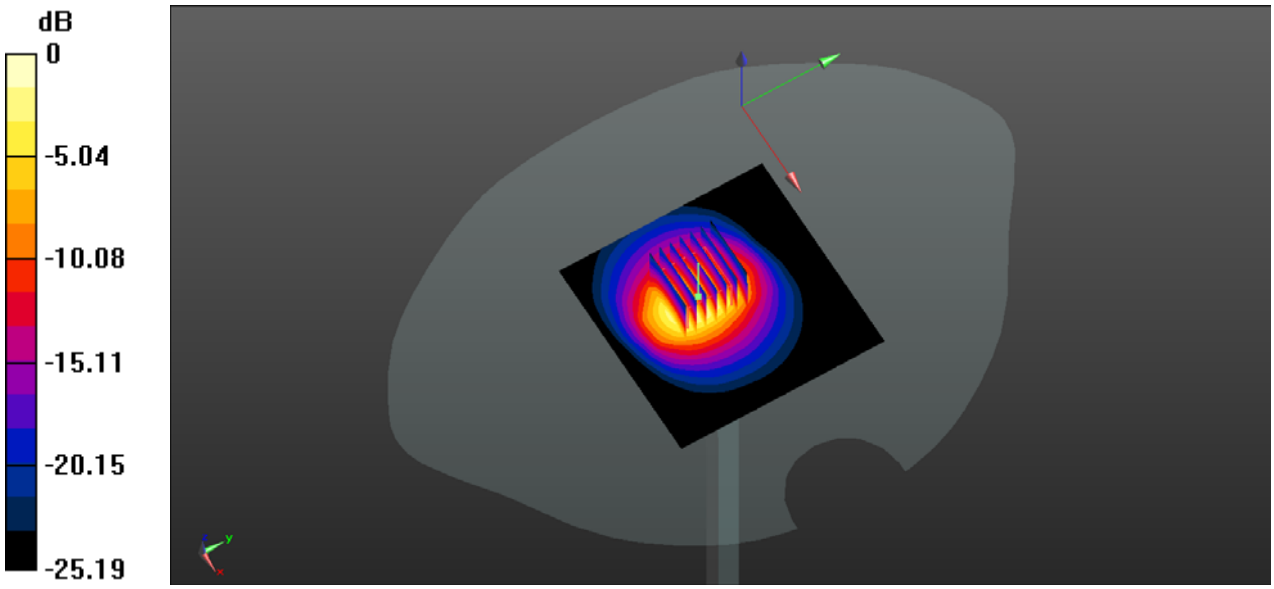
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.29 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 12.9 W/kg

SAR(1 g) = 5.58 W/kg; SAR(10 g) = 2.44 W/kg

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



0 dB = 6.68 W/kg

System Performance Check Data (2600MHz)

Date: 2021.11.28

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.973 S/m; ε_r = 38.37; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.64 W/kg

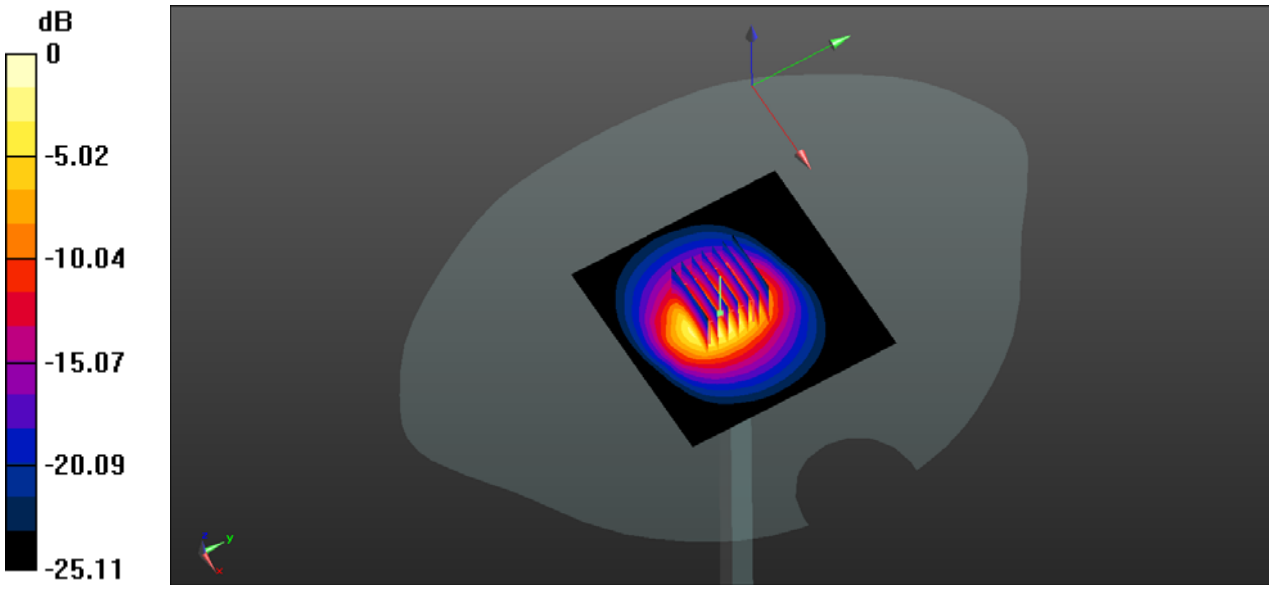
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.56 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 12.4 W/kg

SAR(1 g) = 5.54 W/kg; SAR(10 g) = 2.51 W/kg

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



0 dB = 6.51 W/kg

System Performance Check Data (2600MHz)

Date: 2021.11.29

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.976 S/m; ε_r = 38.524; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

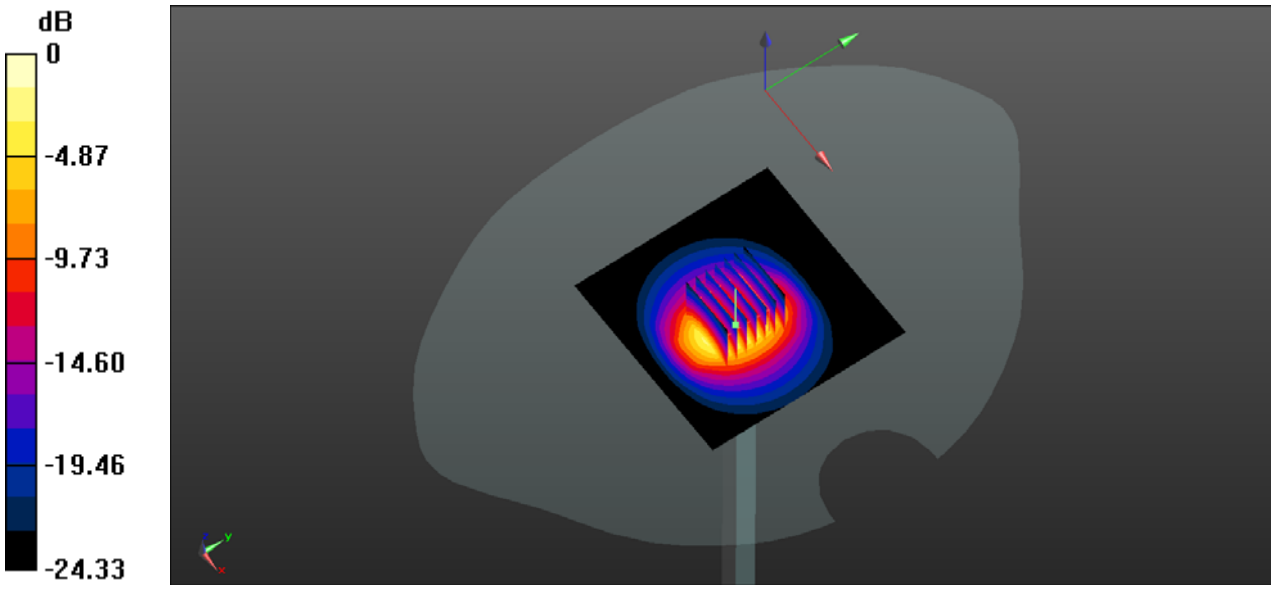
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.79 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 5.81 W/kg; SAR(10 g) = 2.53 W/kg

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



0 dB = 6.22 W/kg

System Performance Check Data (2600MHz)

Date: 2021.11.30

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.976 S/m; ε_r = 38.604; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.91 W/kg

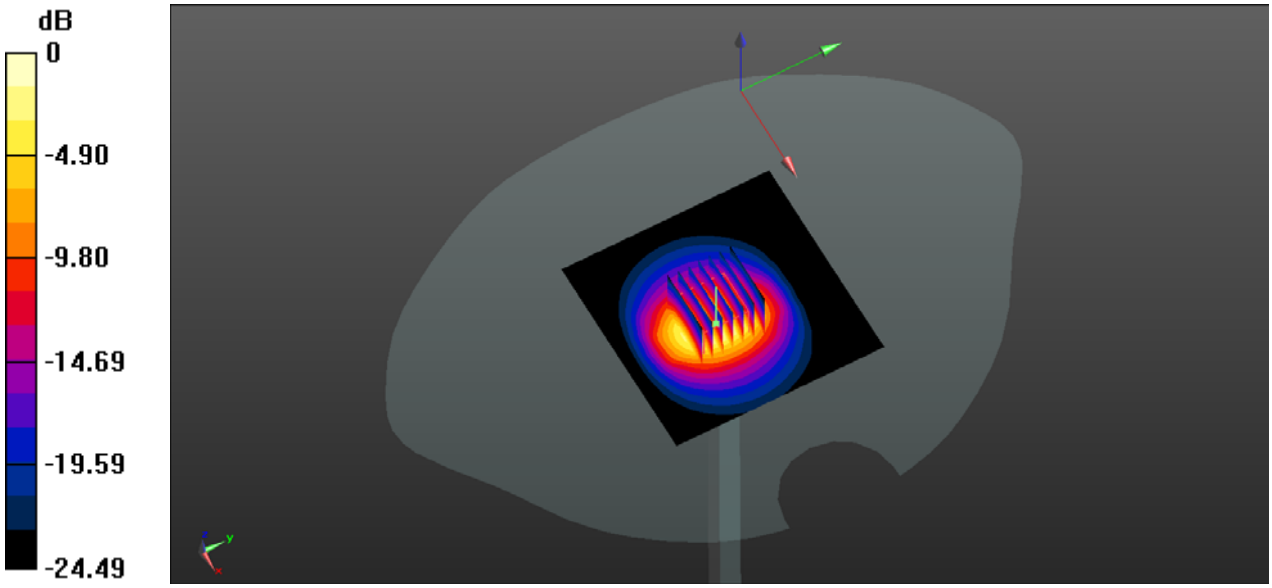
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.83 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 13.0 W/kg

SAR(1 g) = 5.85 W/kg; SAR(10 g) = 2.55 W/kg

Maximum value of SAR (measured) = 6.70 W/kg



0 dB = 6.70 W/kg

System Performance Check Data (5250MHz)

Date: 2021.12.08

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

Medium parameters used: f = 5250 MHz; σ = 4.705 S/m; ε_r = 35.895; ρ = 1000 kg/m^3

Phantom section: Flat Section

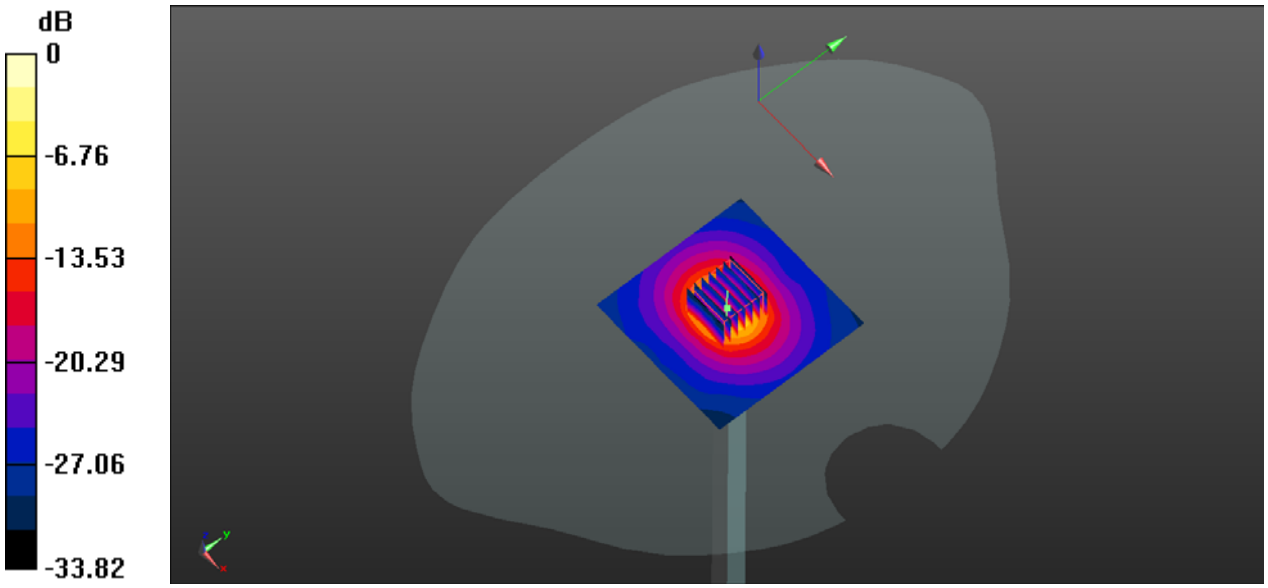
Ambient Temperature:22.4 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5250 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.08 W/kg

CW 5250 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 41.30 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 45.1 W/kg
SAR(1 g) = 7.68 W/kg; SAR(10 g) = 2.19 W/kg
Maximum value of SAR (measured) = 15.7 W/kg



0 dB = 15.7 W/kg

System Performance Check Data (5250MHz)

Date: 2021.12.09

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

Medium parameters used: f = 5250 MHz; σ = 4.699 S/m; ε_r = 35.836; ρ = 1000 kg/m^3

Phantom section: Flat Section

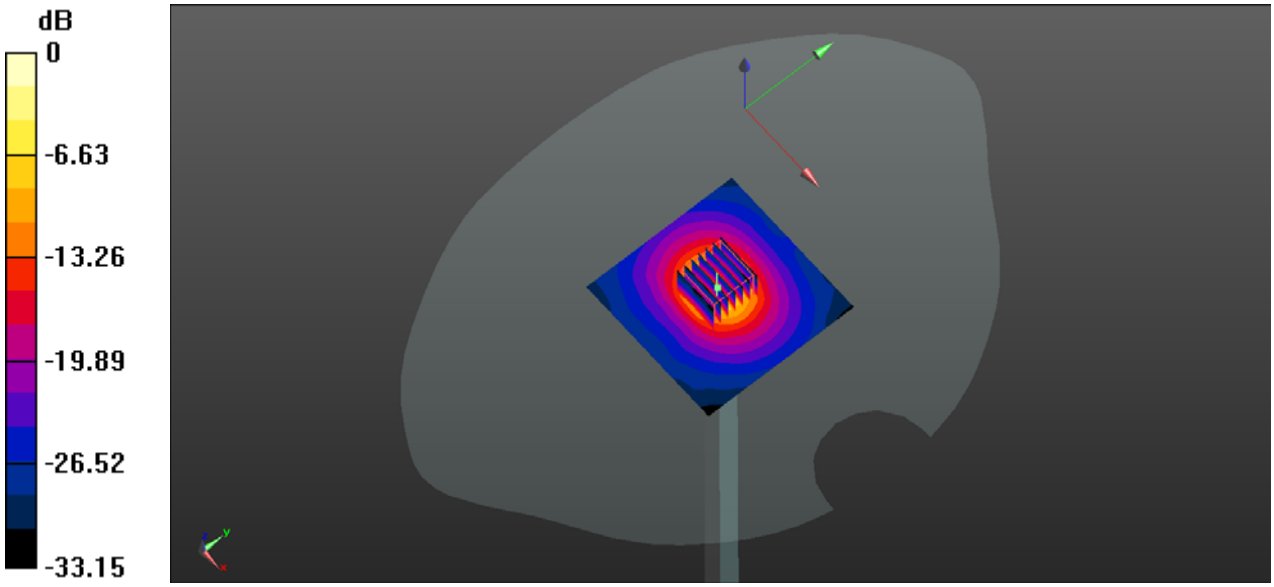
Ambient Temperature:22.2 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5250 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 7.78 W/kg

CW 5250 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 37.87 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 43.8 W/kg
SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.24 W/kg
Maximum value of SAR (measured) = 15.3 W/kg



0 dB = 15.3 W/kg

System Performance Check Data (5600MHz)

Date: 2021.12.10

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

Medium parameters used: f = 5600 MHz; σ = 5.05 S/m; ε_r = 35.119; ρ = 1000 kg/m^3

Phantom section: Flat Section

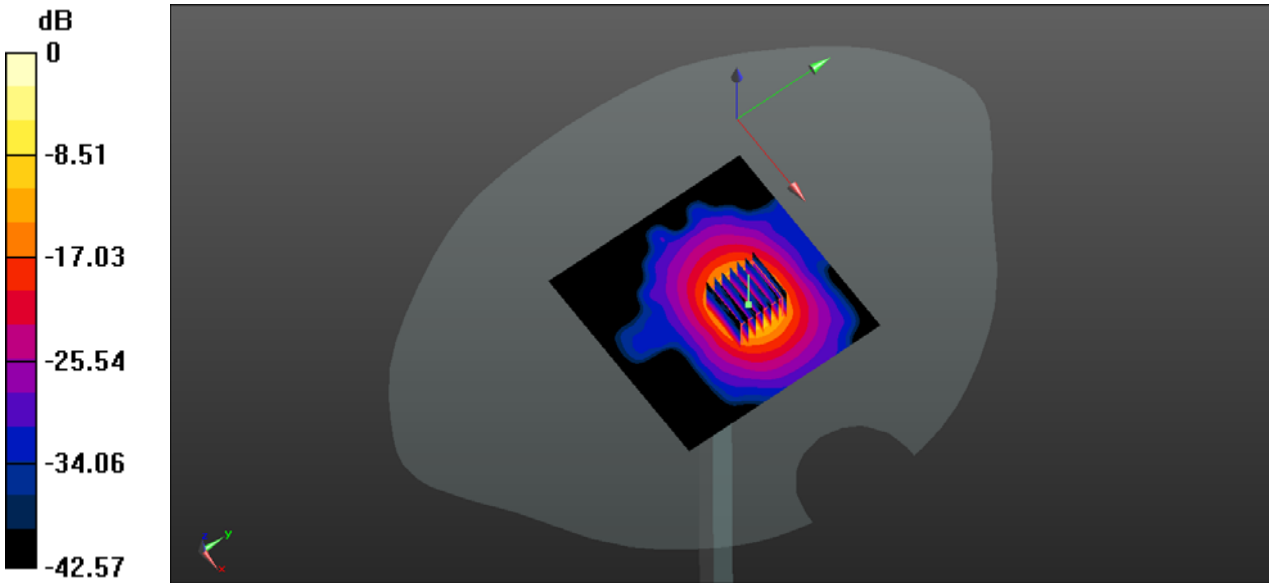
Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.88, 4.88, 4.88); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5600 100mW /Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 7.91 W/kg

CW5600 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 15.18 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 37.9 W/kg
SAR(1 g) = 8.19 W/kg; SAR(10 g) = 2.28 W/kg
Maximum value of SAR (measured) = 21.2 W/kg



0 dB = 21.2 W/kg

System Performance Check Data (5600MHz)

Date: 2021.12.11

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

Medium parameters used: f = 5600 MHz; σ = 5.059 S/m; ε_r = 35.137; ρ = 1000 kg/m^3

Phantom section: Flat Section

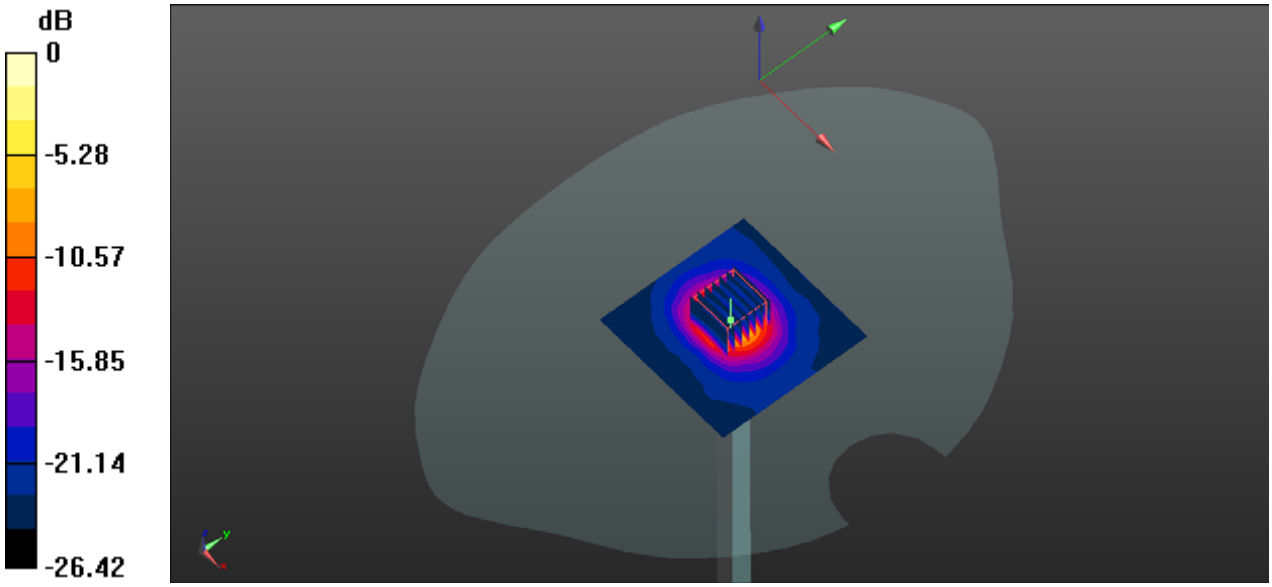
Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.88, 4.88, 4.88); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5600 100mW /Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.52 W/kg

CW 5600 100mW /Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 38.12 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 37.2 W/kg
SAR(1 g) = 8.24 W/kg; SAR(10 g) = 2.37 W/kg
Maximum value of SAR (measured) = 16.1 W/kg



0 dB = 16.1 W/kg

System Performance Check Data (5750MHz)

Date: 2021.12.12

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

Medium parameters used: f = 5750 MHz; σ = 5.18 S/m; ε_r = 35.477; ρ = 1000 kg/m^3

Phantom section: Flat Section

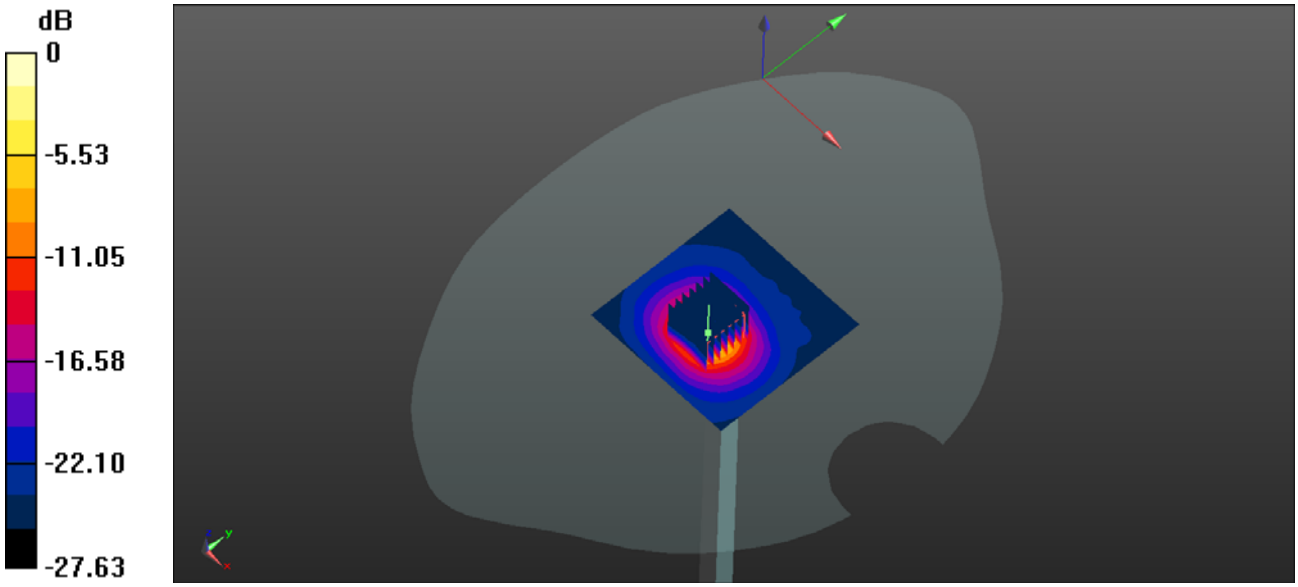
Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.92, 4.92, 4.92); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5750 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.94 W/kg

CW 5750 100mW/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 24.26 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 40.4 W/kg
SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.21 W/kg
Maximum value of SAR (measured) = 18.3 W/kg



0 dB = 18.3 W/kg

System Performance Check Data (5750MHz)

Date: 2021.12.13

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

Medium parameters used: f = 5750 MHz; σ = 5.173 S/m; ε_r = 35.587; ρ = 1000 kg/m^3

Phantom section: Flat Section

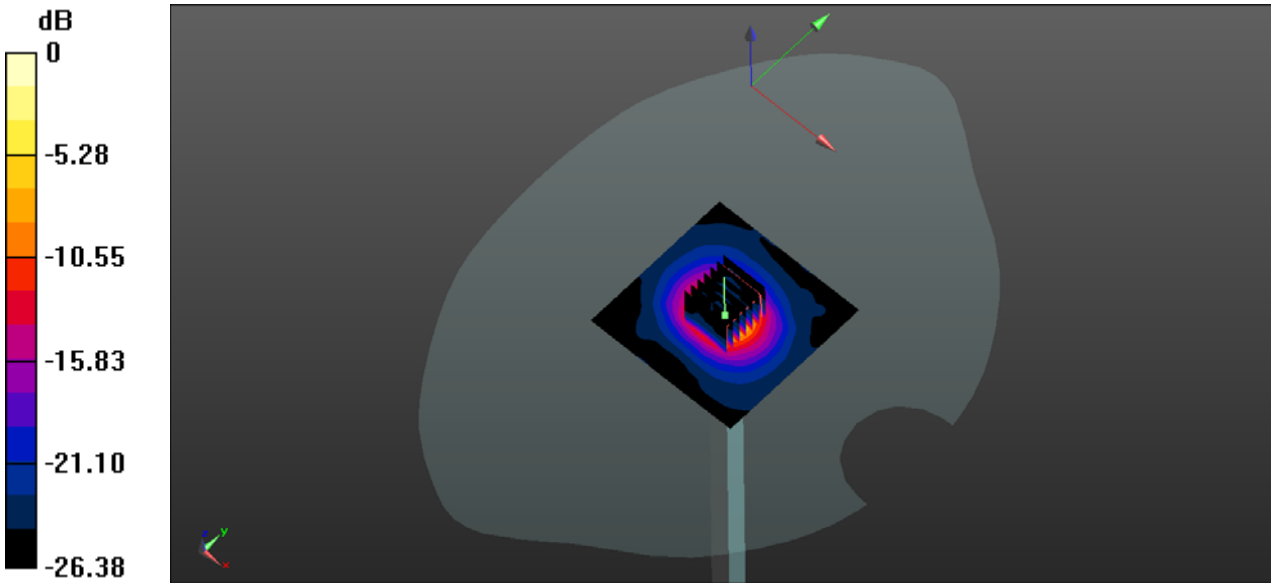
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.92, 4.92, 4.92); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5750 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.43 W/kg

CW 5750 100mW/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 40.51 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 38.8 W/kg
SAR(1 g) = 7.88 W/kg; SAR(10 g) = 2.24 W/kg
Maximum value of SAR (measured) = 15.9 W/kg



0 dB = 15.9 W/kg

ANNEX C TEST DATA

Meas.1 Right Head with Cheek on Middle Channel in GPRS850 2Slots mode with Antenna1

Date: 2021.11.10

Communication System Band: GPRS 850; Frequency: 836.6 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.902 S/m; ε_r = 41.739; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.822 W/kg

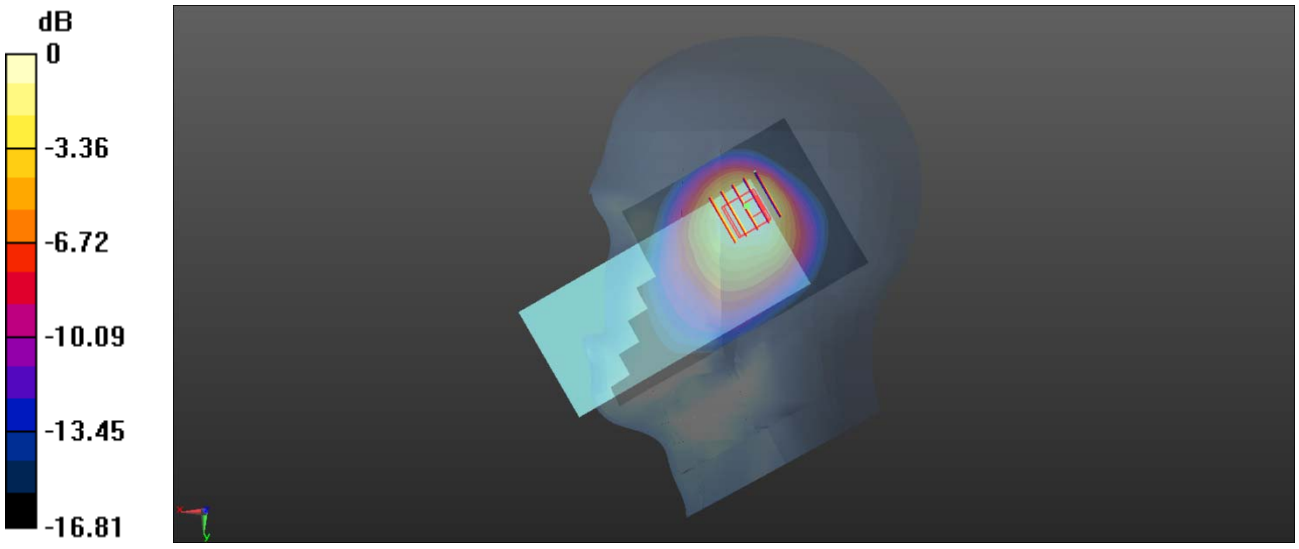
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.82 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.696 W/kg; SAR(10 g) = 0.431 W/kg

Maximum value of SAR (measured) = 0.716 W/kg



0 dB = 0.716 W/kg

Meas.2 Body Plane with Back Side 15mm on Middle Channel in GPRS850 2Slots mode with Antenna1

Date: 2021.11.10

Communication System Band: GPRS 850; Frequency: 836.6 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.902 S/m; ε_r = 41.739; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.268 W/kg

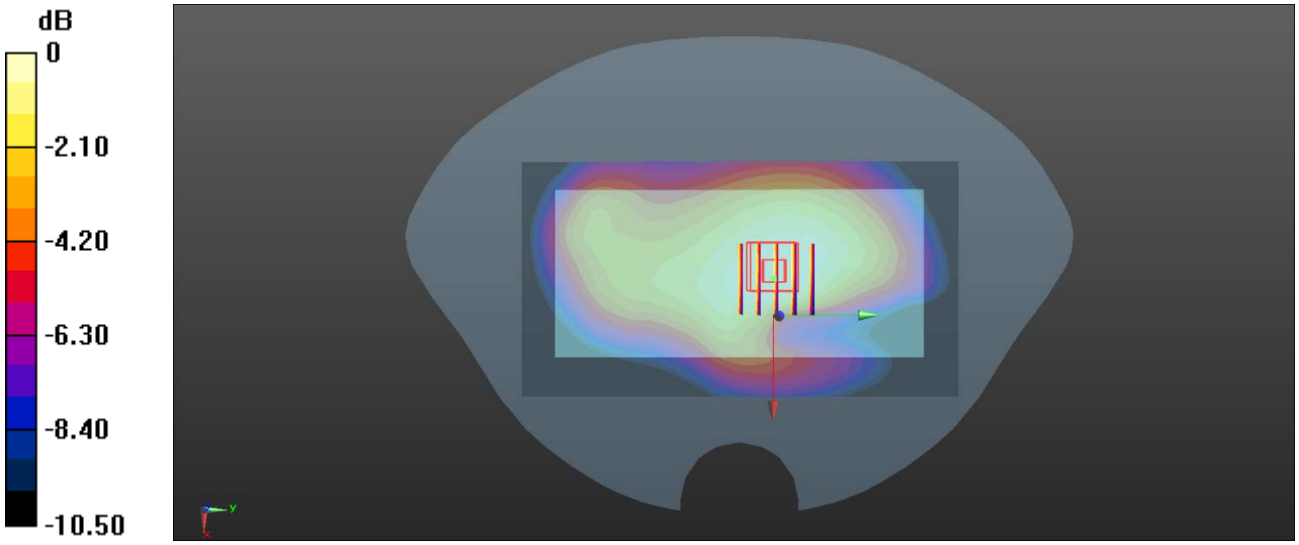
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.96 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.315 W/kg

SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.180 W/kg

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



0 dB = 0.255 W/kg

Meas.3 Body Plane with Back Side 10mm on Middle Channel in GPRS850 2Slots mode with Antenna1

Date: 2021.11.10

Communication System Band: GPRS 850; Frequency: 836.6 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.902 S/m; ε_r = 41.739; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.324 W/kg

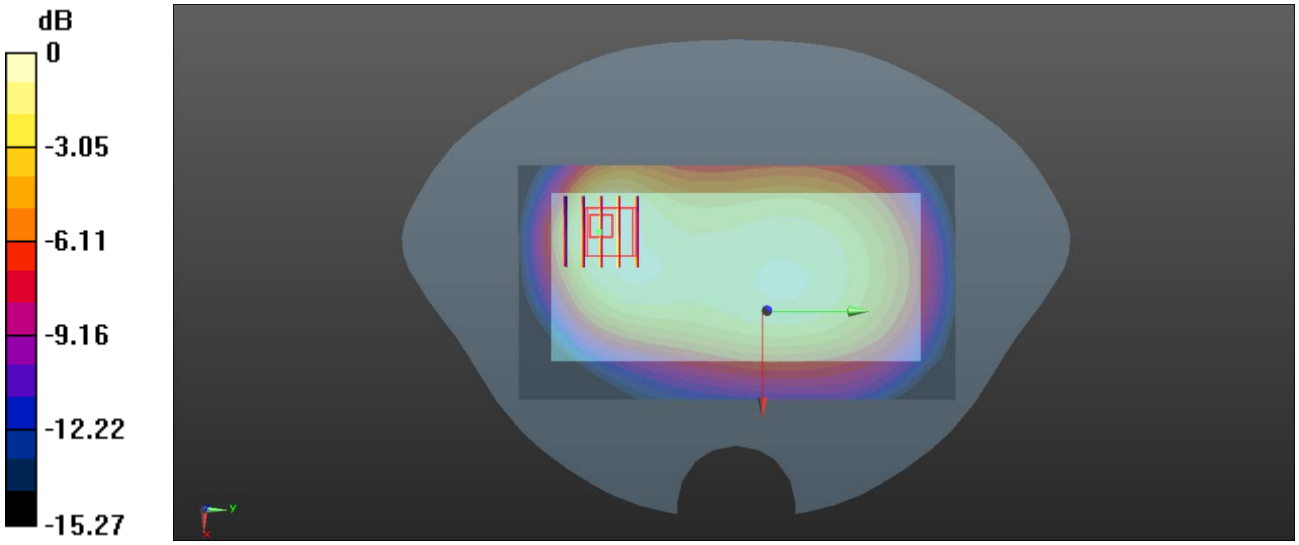
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.74 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.477 W/kg

SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.175 W/kg

Maximum value of SAR (measured) = 0.298 W/kg



0 dB = 0.298 W/kg

Meas.4 Right Head with Tilt on Middle Channel in GPRS1900 3Slots mode with Antenna1

Date: 2021.11.12

Communication System Band: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.388 S/m; ε_r = 40.078; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); 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) = 0.609 W/kg

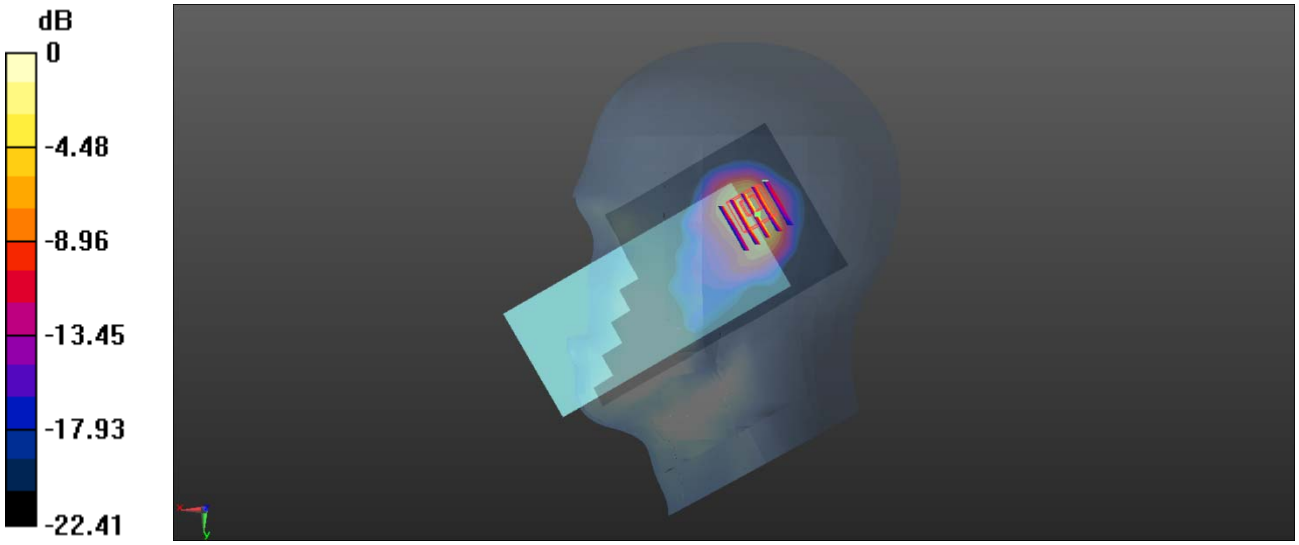
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.38 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.226 W/kg

Maximum value of SAR (measured) = 0.575 W/kg



0 dB = 0.568 W/kg

Meas.5 Body Plane with Back Side 15mm on Middle Channel in GPRS1900 2Slots mode with Antenna1

Date: 2021.11.12

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.388 S/m; ε_r = 40.078; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); 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) = 0.322 W/kg

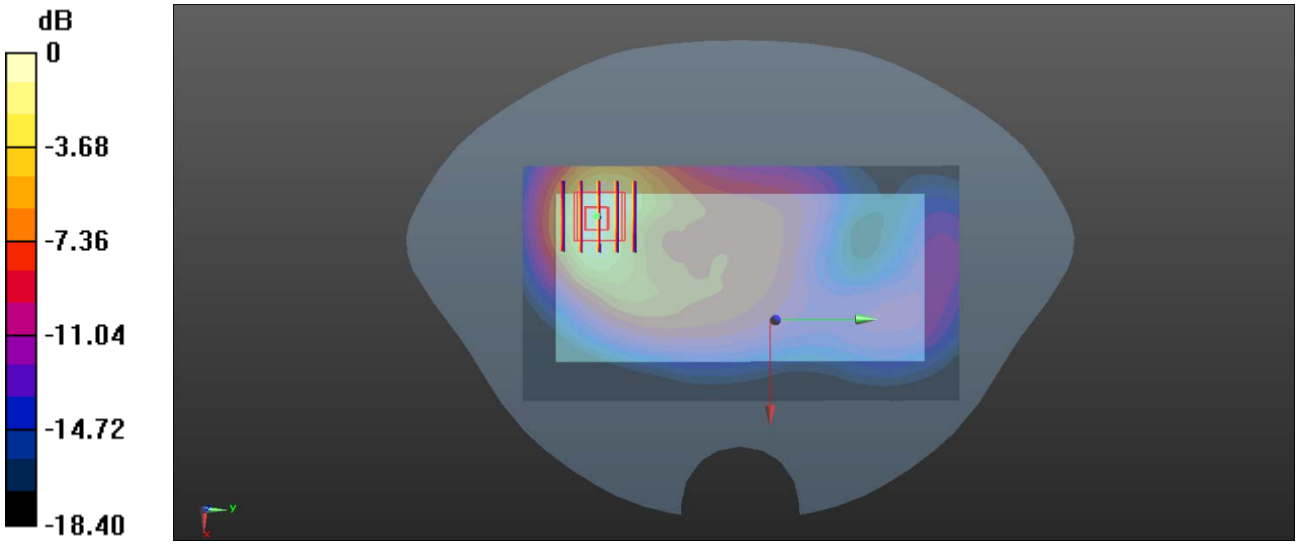
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.715 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.510 W/kg

SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.161 W/kg

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



0 dB = 0.334 W/kg

Meas.6 Body Plane with Top Edge 10mm on Middle Channel in GPRS1900 2Slots mode with Antenna1

Date: 2021.11.12

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.388 S/m; ε_r = 40.078; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.735 W/kg

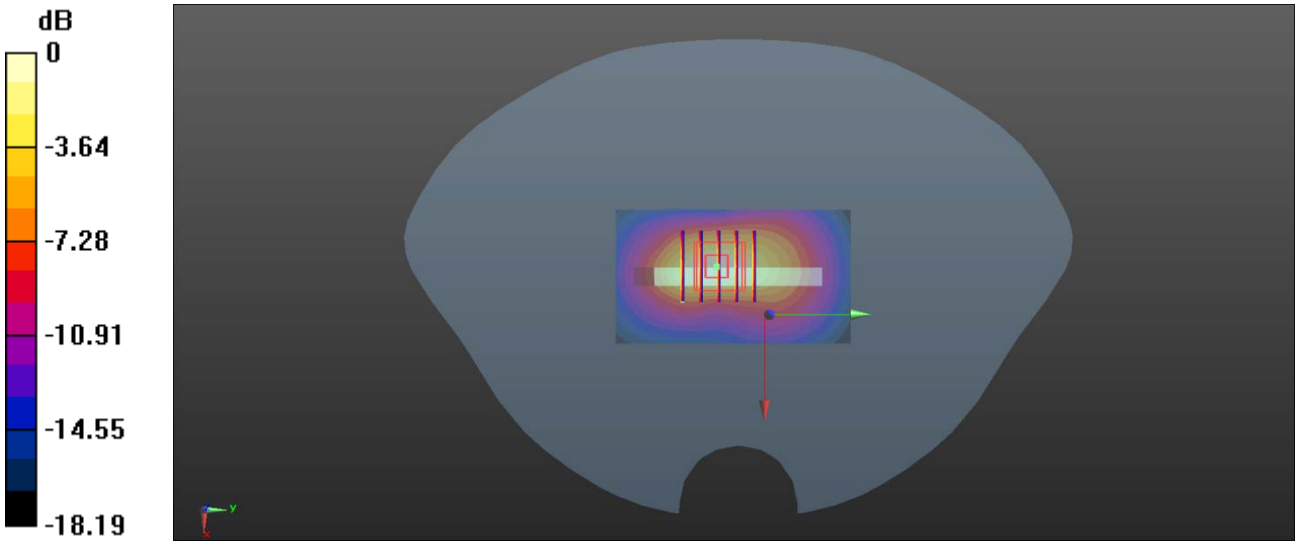
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.95 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.308 W/kg

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



0 dB = 0.708 W/kg

Meas.7 Right Head with Tilt on Middle Channel in WCDMA B2 mode with Antenna1

Date: 2021.11.13

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.387 S/m; ε_r = 40.131; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.676 W/kg

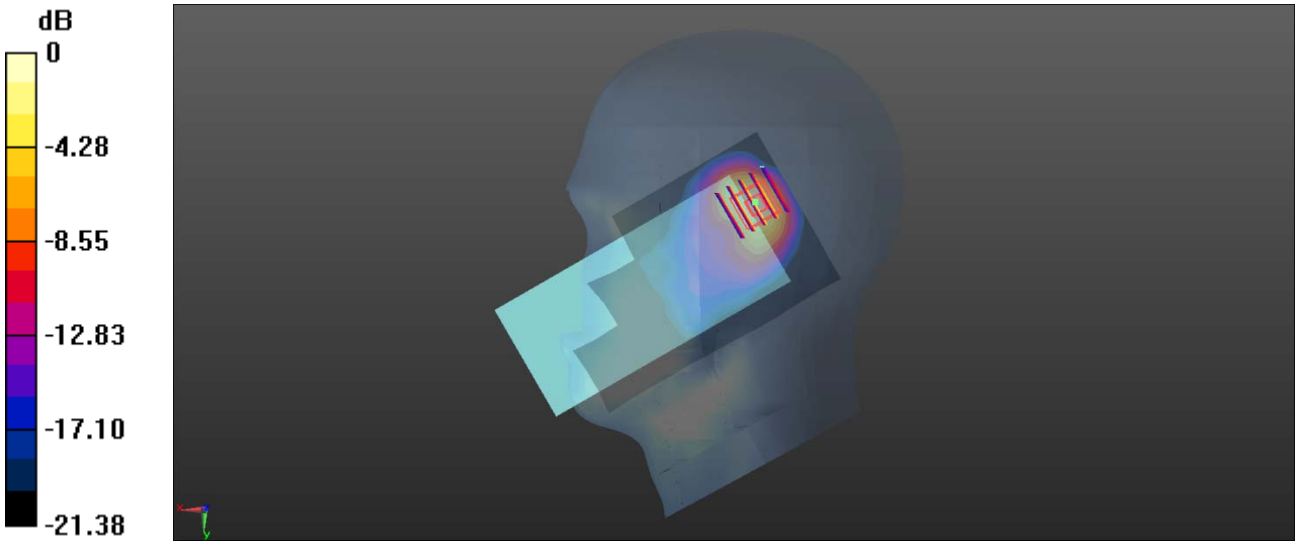
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.51 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.274 W/kg

Maximum value of SAR (measured) = 0.720 W/kg



0 dB = 0.720 W/kg

Meas.8 Body Plane with Back side 15mm on Middle Channel in WCDMA Band2 with Antenna0

Date: 2021.11.13

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.387S/m; ε_r = 40.131; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.359 W/kg

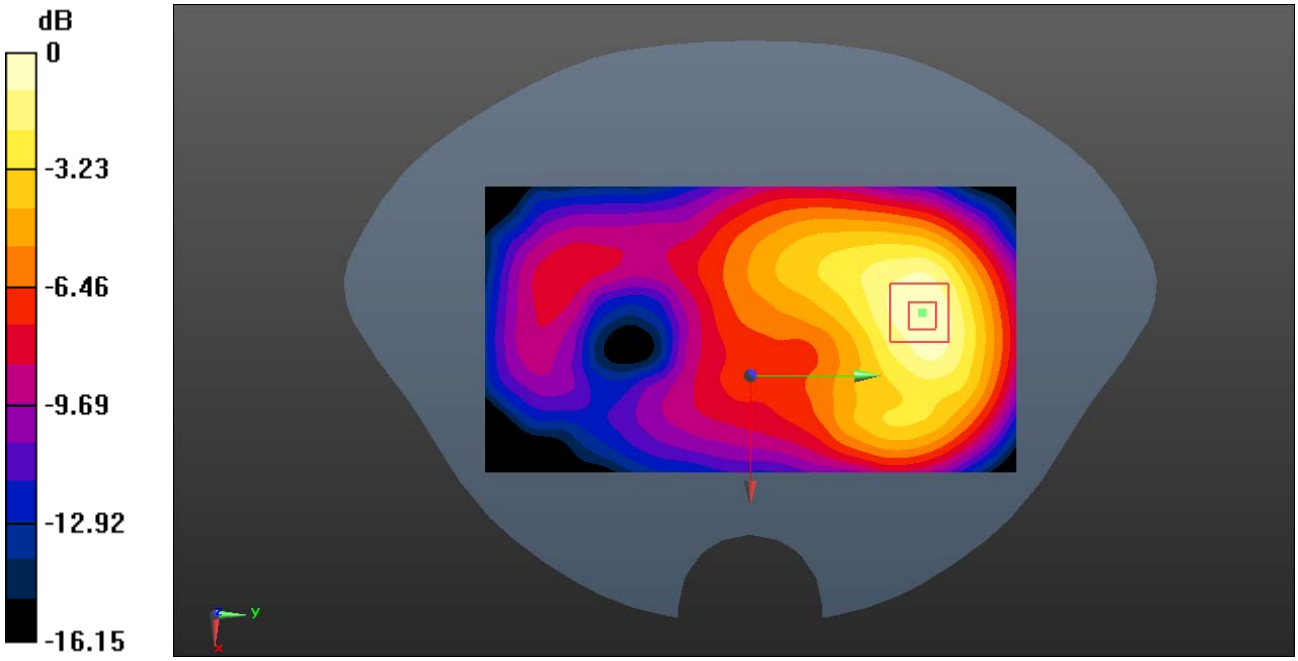
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.622 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.509 W/kg

SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.204 W/kg

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



0 dB = 0.358 W/kg

Meas.9 Body Plane with Top Edge 10mm on Middle Channel in WCDMA B2 mode with Antenna1

Date: 2021.11.13

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.387 S/m; ε_r = 40.131; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

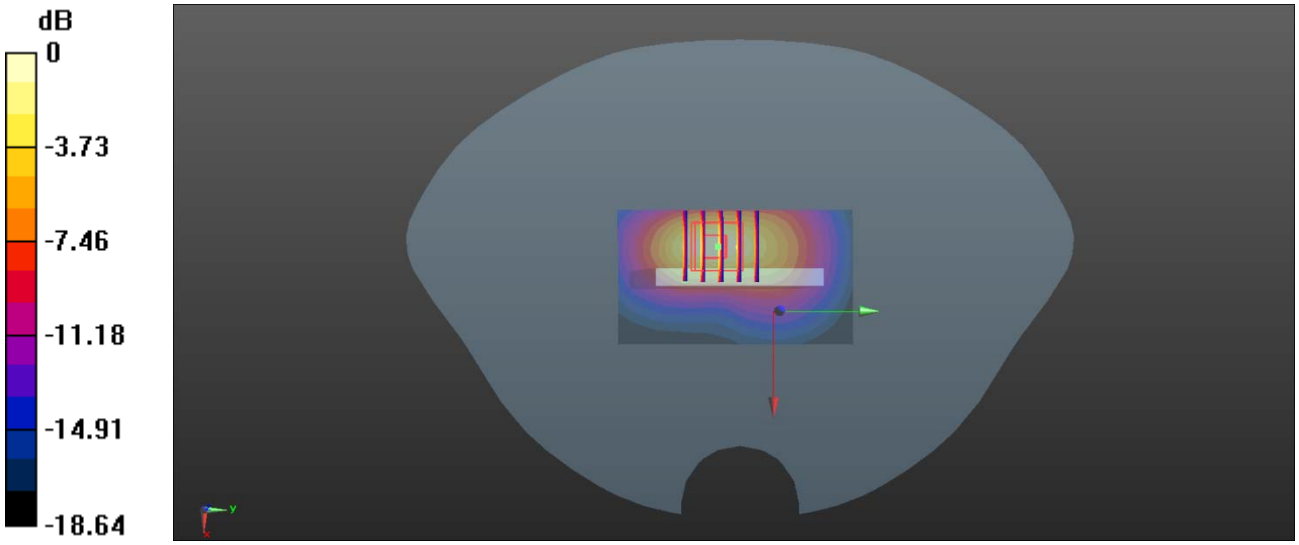
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.13 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.969 W/kg

SAR(1 g) = 0.529 W/kg; SAR(10 g) = 0.263 W/kg

Maximum value of SAR (measured) = 0.610 W/kg



0 dB = 0.610 W/kg

Meas.10 Body Plane with Top Edge 0mm on Middle Channel in WCDMA B2 mode with Antenna1

Date: 2021.11.13

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.387 S/m; ε_r = 40.131; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

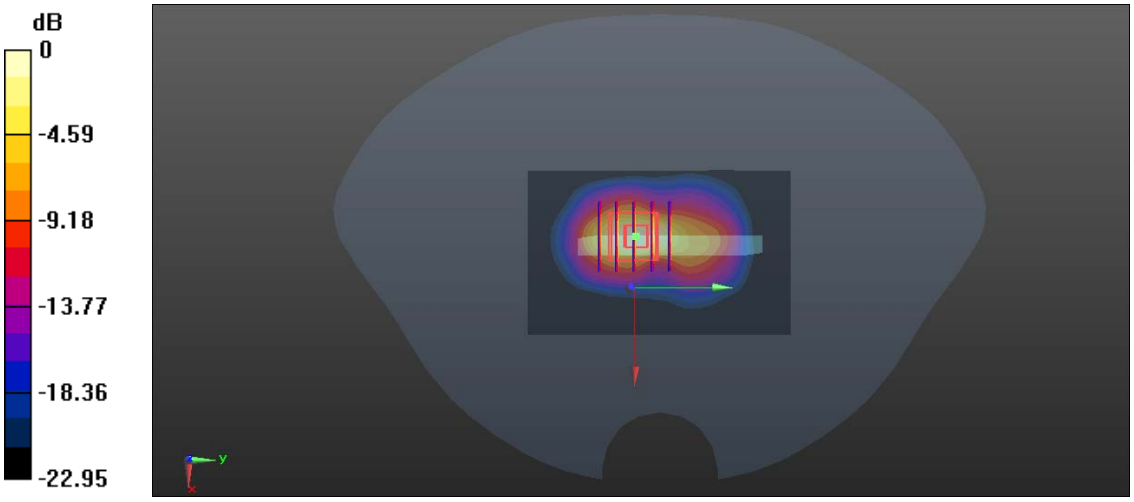
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.41 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 8.21 W/kg

SAR(1 g) = 3.23 W/kg; SAR(10 g) = 1.28 W/kg

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



0 dB = 4.18 W/kg

Meas.11 Right Head with Tilt on Middle Channel in WCDMA B4 mode with Antenna1

Date: 2021.11.14

Communication System Band: VI; Frequency: 1732.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.358 S/m; ε_r = 40.439; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

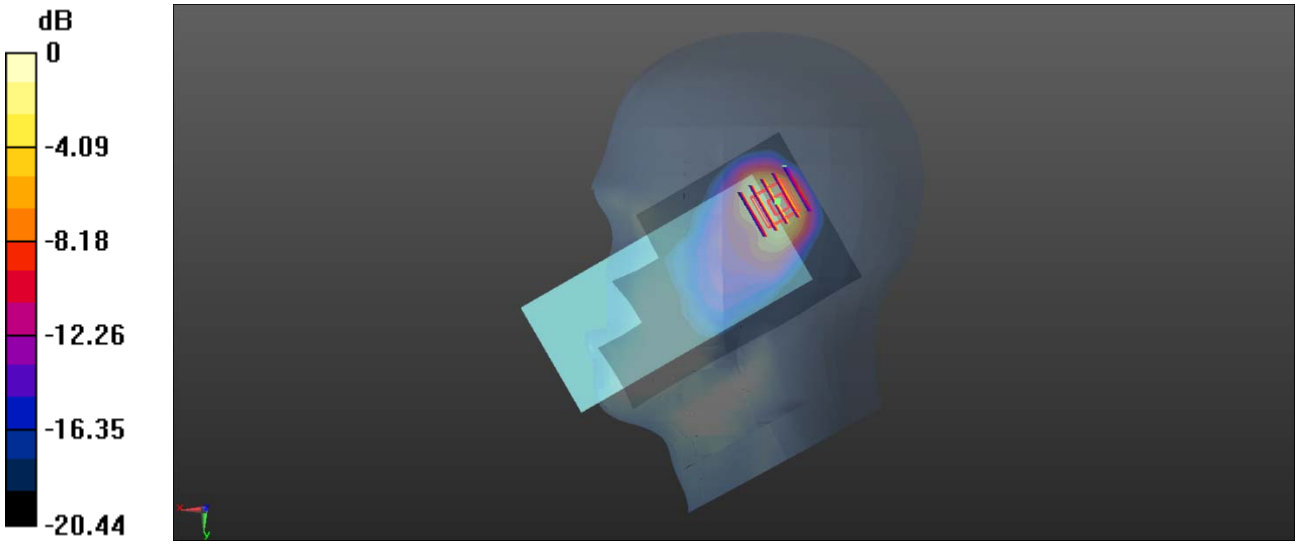
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.25 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.609 W/kg; SAR(10 g) = 0.279 W/kg

Maximum value of SAR (measured) = 0.731 W/kg



0 dB = 0.731 W/kg

Meas.12 Body Plane with Back side 15mm on Middle Channel in WCDMA Band4 with Antenna0

Date: 2021.11.14

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

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.358 S/m; ε_r = 40.439; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.286 W/kg

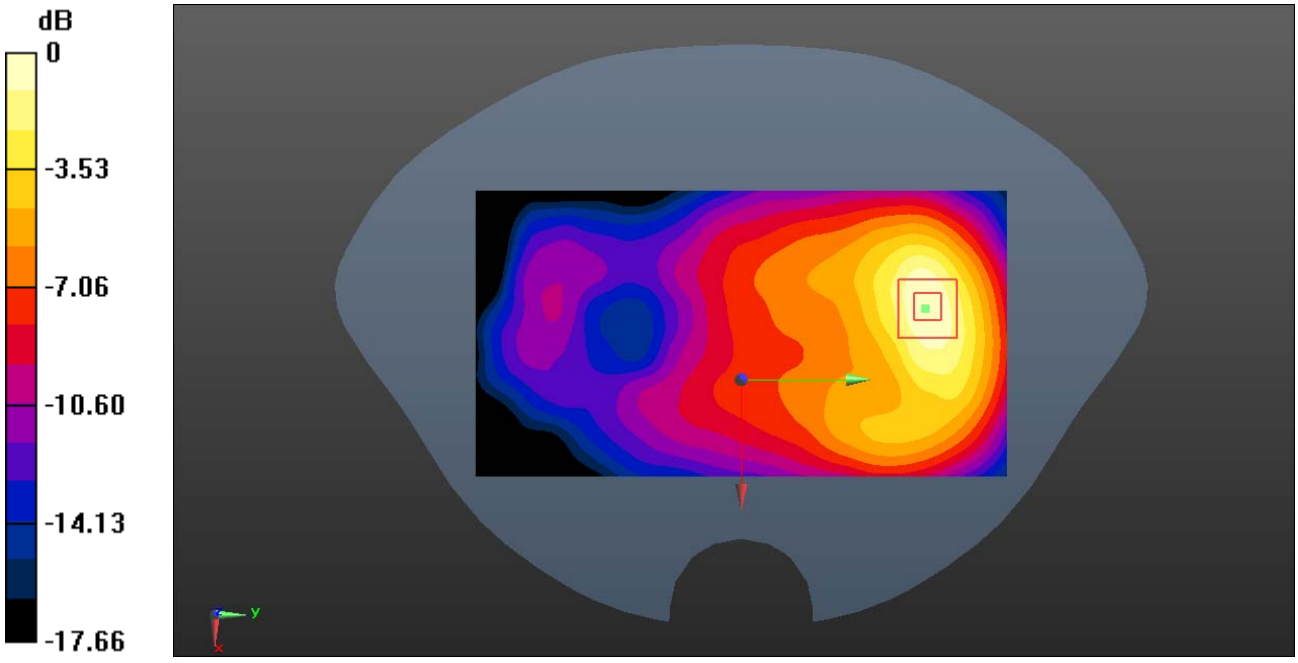
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.971 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.411 W/kg

SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.158 W/kg

Maximum value of SAR (measured) = 0.290 W/kg



0 dB = 0.290 W/kg

Meas.13 Body Plane with Bottom Edge 10mm on Middle Channel in WCCDMA B4 mode with Antenna0

Date: 2021.11.14

Communication System Band: VI; Frequency: 1732.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.358 S/m; ε_r = 40.439; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1412/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

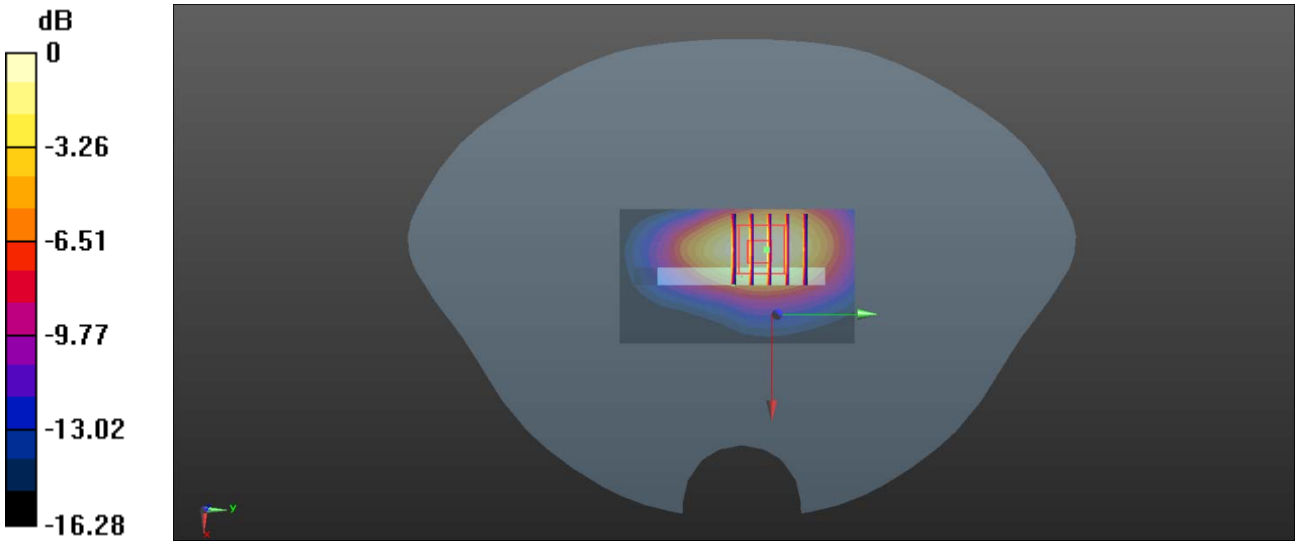
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.25 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.769 W/kg

SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.266 W/kg

Maximum value of SAR (measured) = 0.518 W/kg



0 dB = 0.518 W/kg

Meas.14 Right Head with Cheek on Low Channel in WCDMA B5 mode with Antenna1

Date: 2021.11.15

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

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.895 S/m; ε_r = 41.985; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4132/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

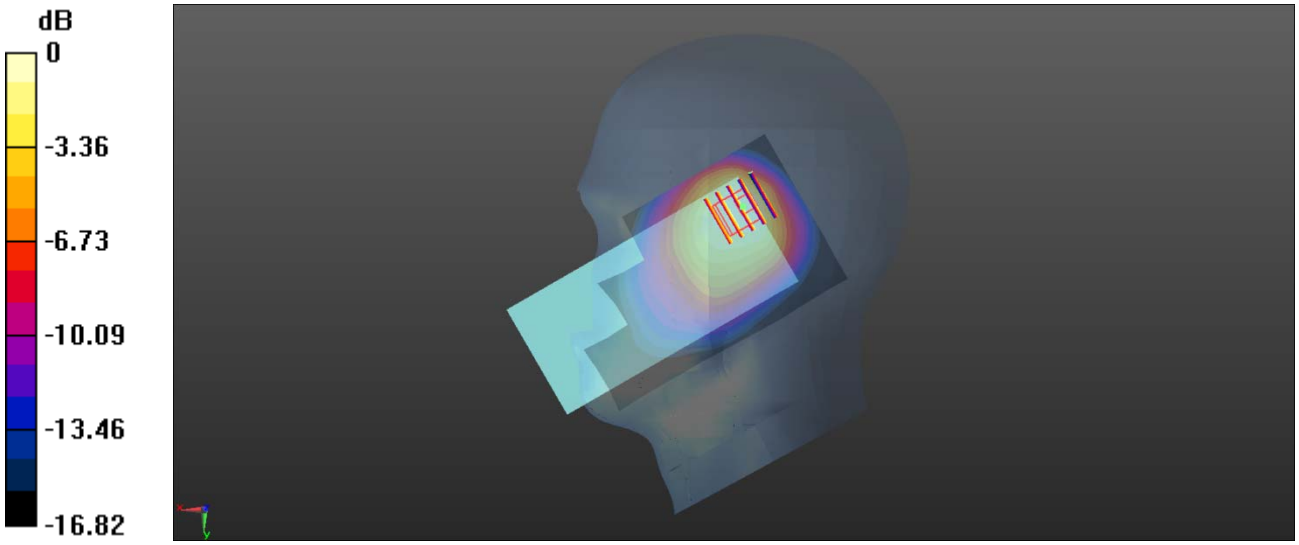
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.94 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.825 W/kg; SAR(10 g) = 0.508 W/kg

Maximum value of SAR (measured) = 0.839 W/kg



0 dB = 0.839 W/kg

Meas.15 Body Plane with Back Side 15mm on Middle Channel in WCDMA B5 mode with Antenna0

Date: 2021.11.15

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.903 S/m; ε_r = 41.755; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.124 W/kg

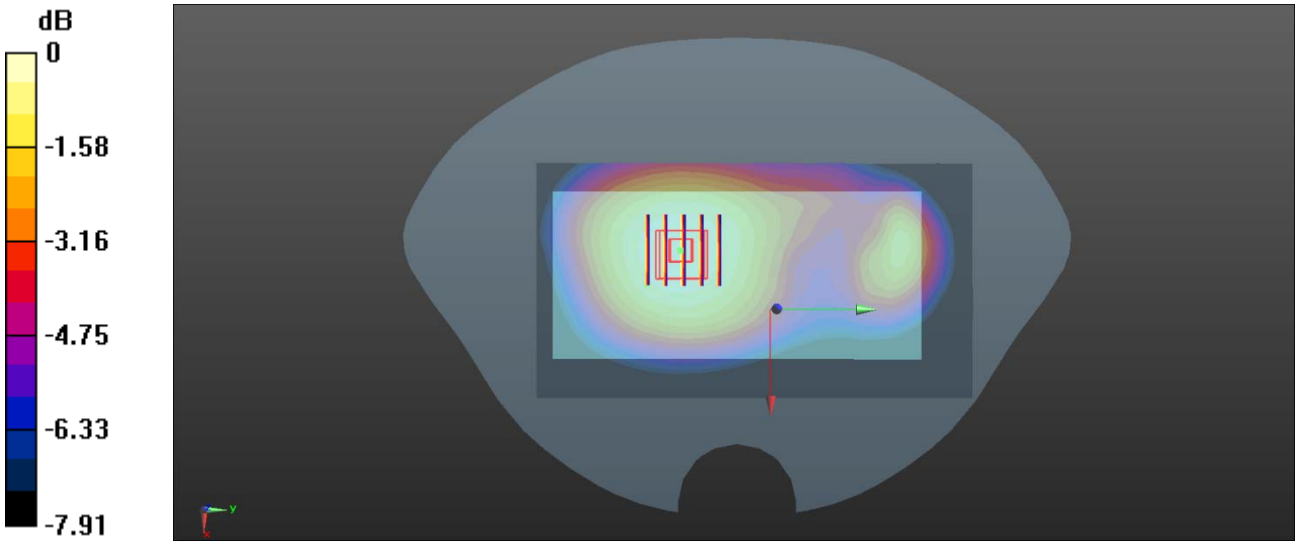
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.03 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.147 W/kg

SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 0.123 W/kg



0 dB = 0.123 W/kg

Meas.16 Body Plane with Back Side 10mm on Middle Channel in WCDMA B5 mode with Antenna1

Date: 2021.11.15

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.903 S/m; ε_r = 41.755; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.289 W/kg

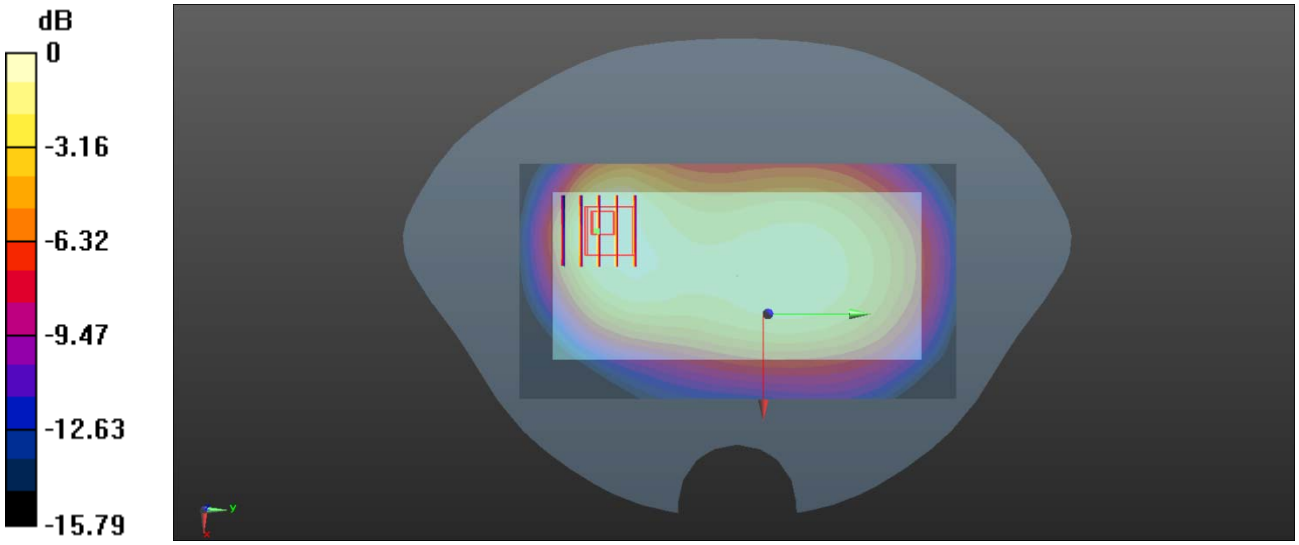
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.13 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.421 W/kg

SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.155 W/kg

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



0 dB = 0.266 W/kg

Meas.17 Right Head with Tilt on Low Channel in LTE Band 2 mode with Antenna1 and 50RB

Date: 2021.11.17

Communication System Band: Band 2; Frequency: 1860 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1860 MHz; σ = 1.376 S/m; ε_r = 40.347; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18700/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.806 W/kg

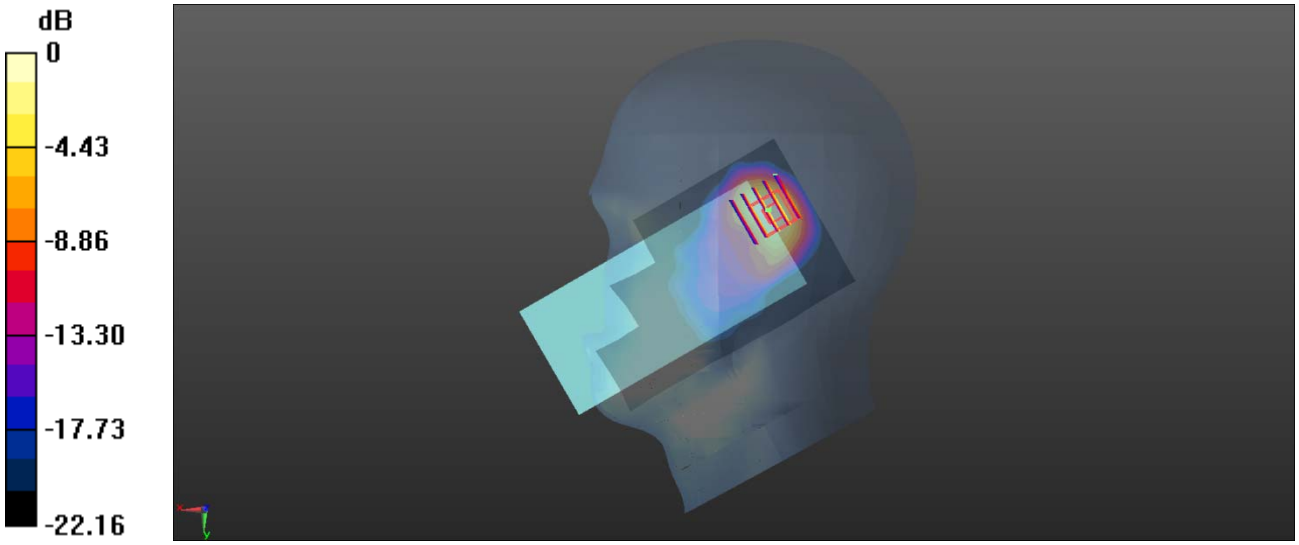
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.07 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.726 W/kg; SAR(10 g) = 0.319 W/kg

Maximum value of SAR (measured) = 0.817 W/kg



0 dB = 0.817 W/kg

Meas.18 Body Plane with Back Side 15mm on Middle Channel in LTE Band 2 mode with Antenna0 and 50RB

Date: 2021.11.17

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.386 S/m; ε_r = 40.123; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.323 W/kg

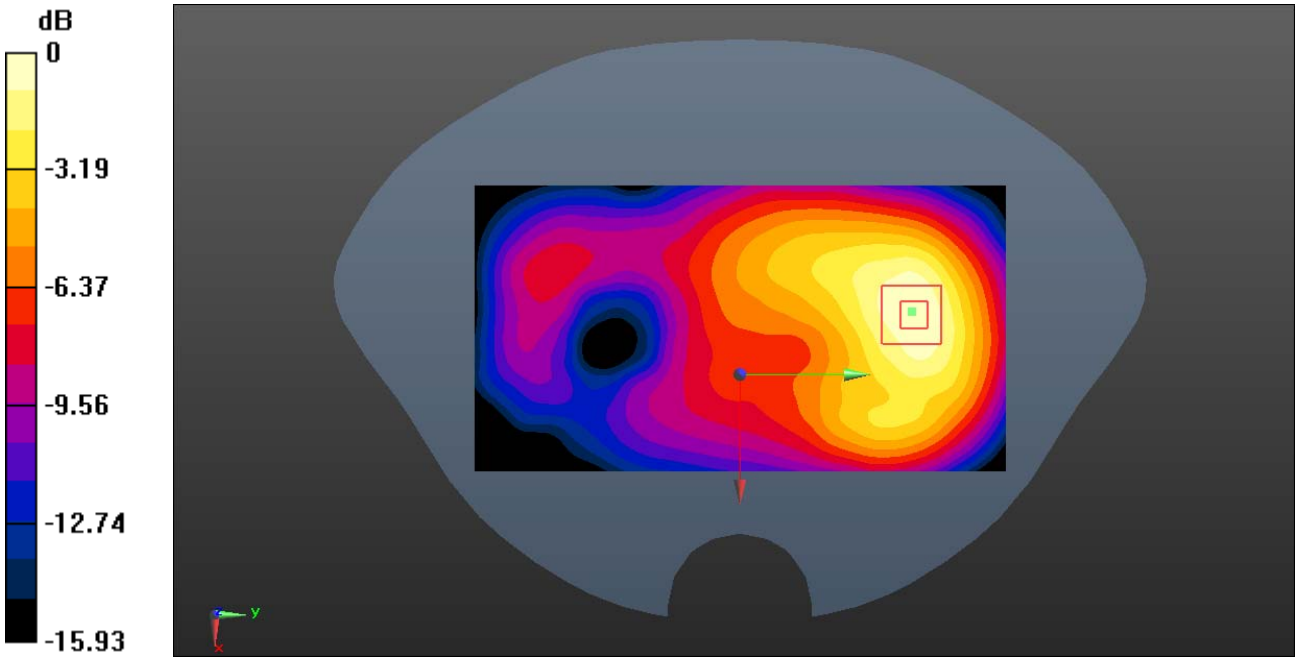
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.363 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.182 W/kg

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



0 dB = 0.320 W/kg

Meas.19 Body Plane with Top Edge 10mm on Low Channel in LTE Band 2 mode with Antenna1 and 50RB

Date: 2021.11.17

Communication System Band: Band 2; Frequency: 1860 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1860 MHz; σ = 1.376 S/m; ε_r = 40.347; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18700/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.573 W/kg

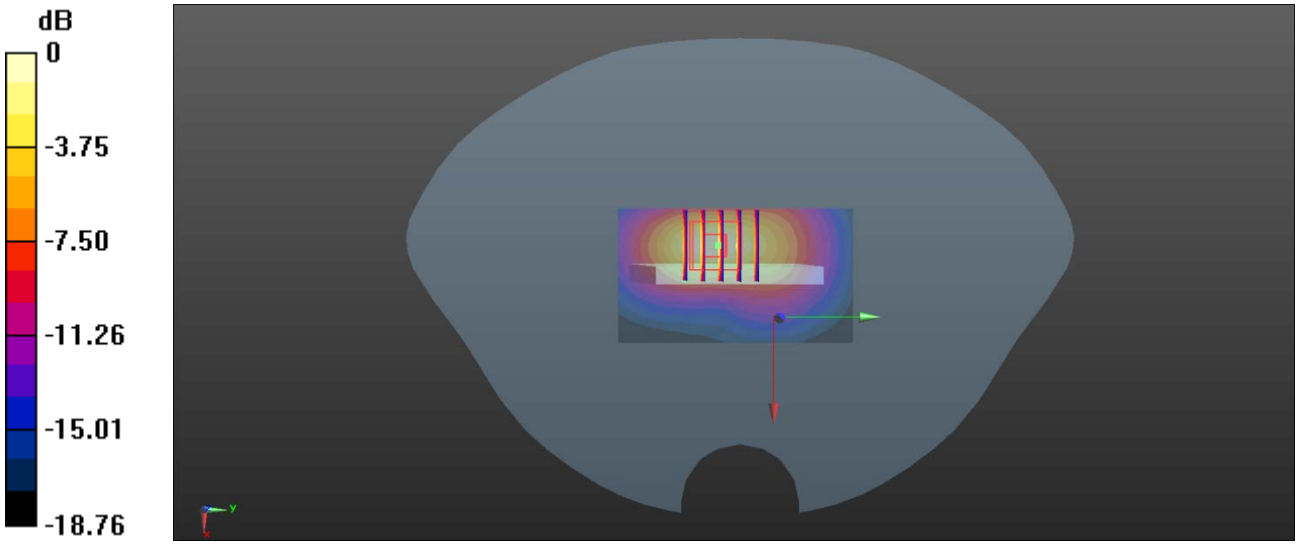
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.705 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.912 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.250 W/kg

Maximum value of SAR (measured) = 0.575 W/kg



0 dB = 0.575 W/kg

Meas.20 Body Plane with Back Side 0mm on Low Channel in LTE Band 2 mode Antenna0 and 1RB

Date: 2021.11.17

Communication System Band: Band 2; Frequency: 1860 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1860 MHz; σ = 1.376 S/m; ε_r = 40.347; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18700/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.22 W/kg

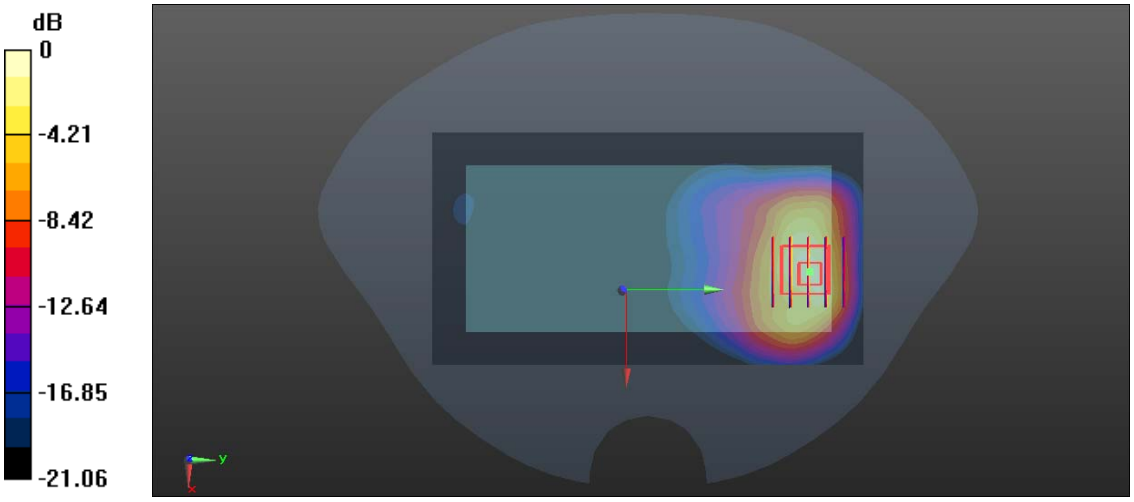
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.329 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 4.95 W/kg

SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.16 W/kg

Maximum value of SAR (measured) = 2.79 W/kg



0 dB = 2.79 W/kg

Meas.21 Right Head with Tilt on High Channel in LTE Band 4 mode with Antenna1 and 50RB

Date: 2021.11.18

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.374 S/m; ε_r = 40.311; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.689 W/kg

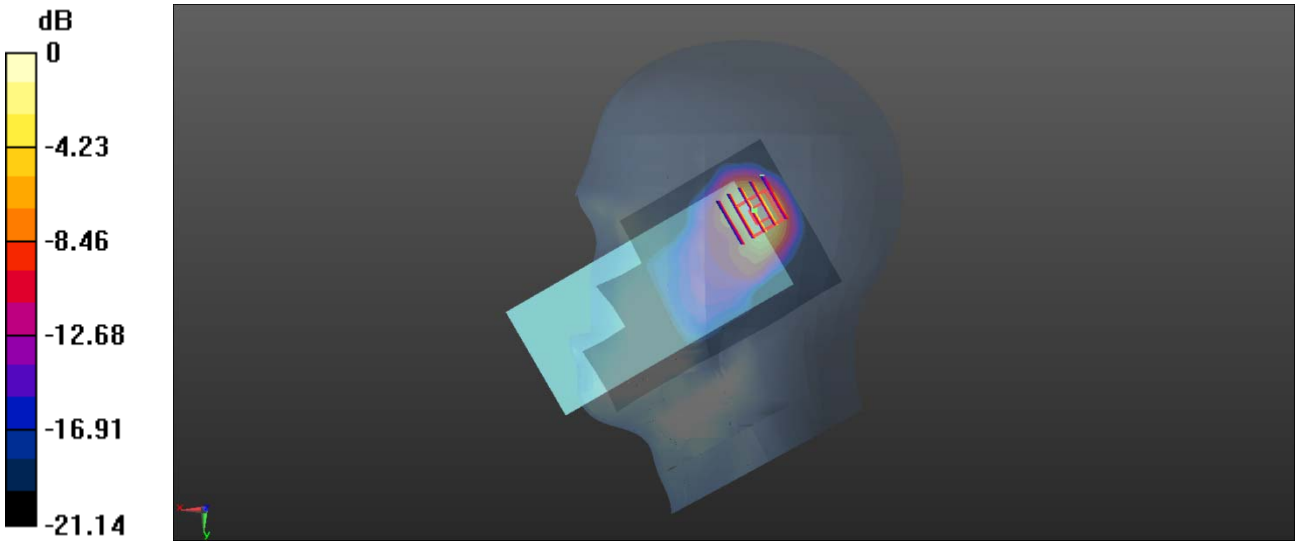
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.77 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.639 W/kg; SAR(10 g) = 0.283 W/kg

Maximum value of SAR (measured) = 0.738 W/kg



0 dB = 0.738 W/kg

Meas.22 Body Plane with Back Side 15mm on Low Channel in LTE Band 4 mode with Antenna0 and 1RB

Date: 2021.11.18

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

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.356 S/m; ε_r = 40.645; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.323 W/kg

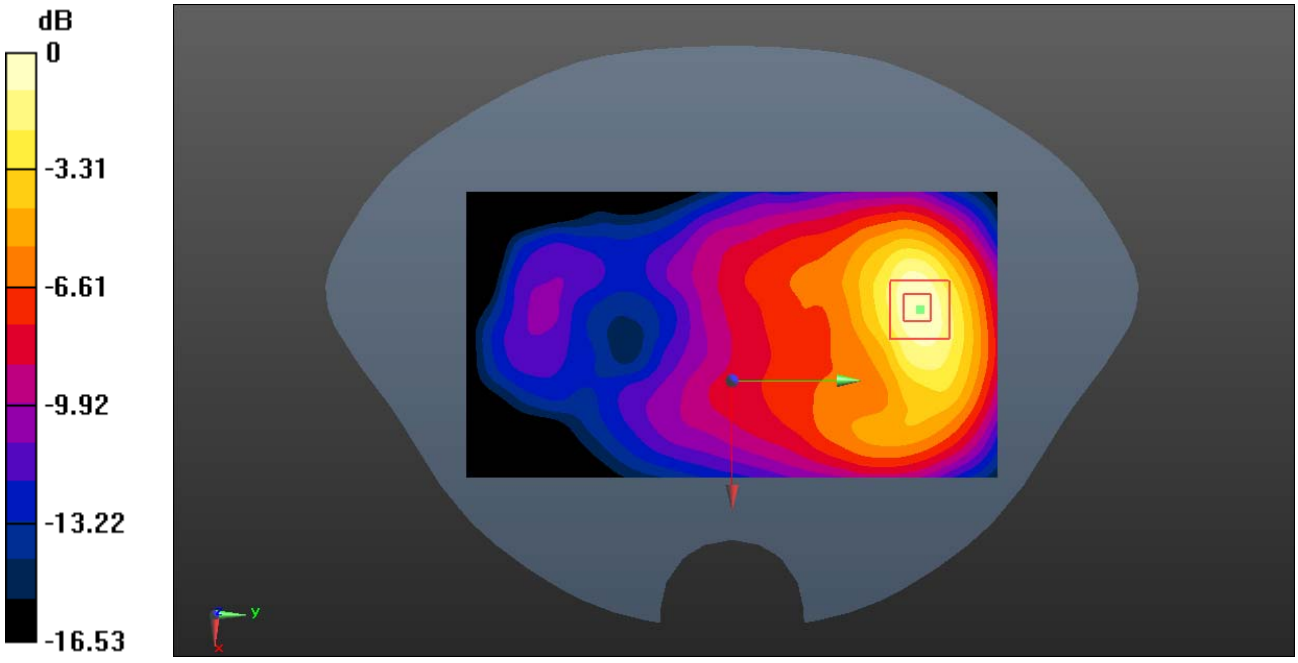
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.767 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.462 W/kg

SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.178 W/kg

Maximum value of SAR (measured) = 0.327 W/kg



0 dB = 0.327 W/kg

Meas.23 Body Plane with Bottom Edge 10mm on Low Channel in LTE Band 4 mode with Antenna0 and 1RB

Date: 2021.11.18

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

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.364 S/m; ε_r = 40.478; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.590 W/kg

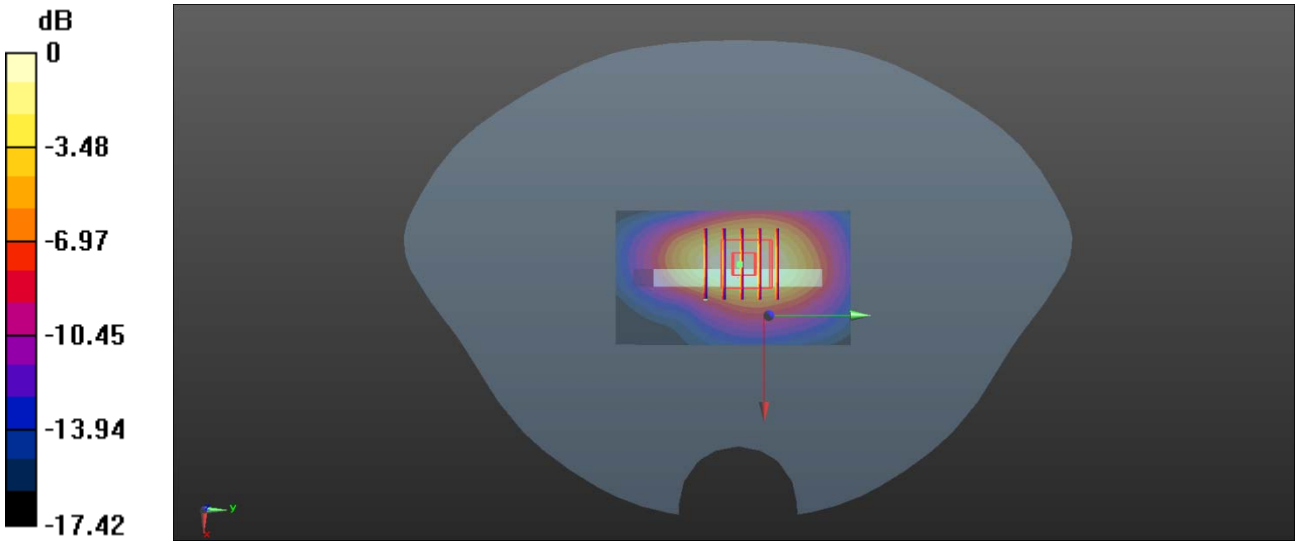
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.75 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.817 W/kg

SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.286 W/kg

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



0 dB = 0.557 W/kg

Meas.24 Right Head with Cheek on Middle Channel in LTE Band 5 mode with Antenna1 and 1RB

Date: 2021.11.19

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

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.901 S/m; ε_r = 41.775; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

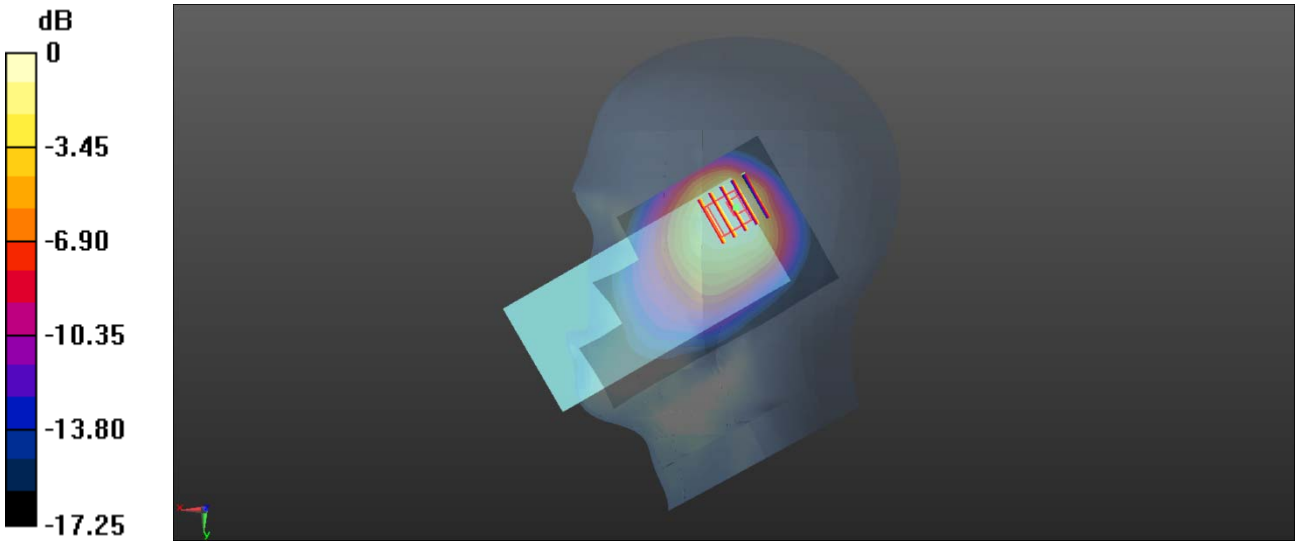
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.08 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.750 W/kg; SAR(10 g) = 0.458 W/kg

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



0 dB = 0.770 W/kg

Meas.25 Body Plane with Back Side 15mm on Middle Channel in LTE Band 5 mode with Antenna1 and 1RB

Date: 2021.11.19

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

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.901 S/m; ε_r = 41.775; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

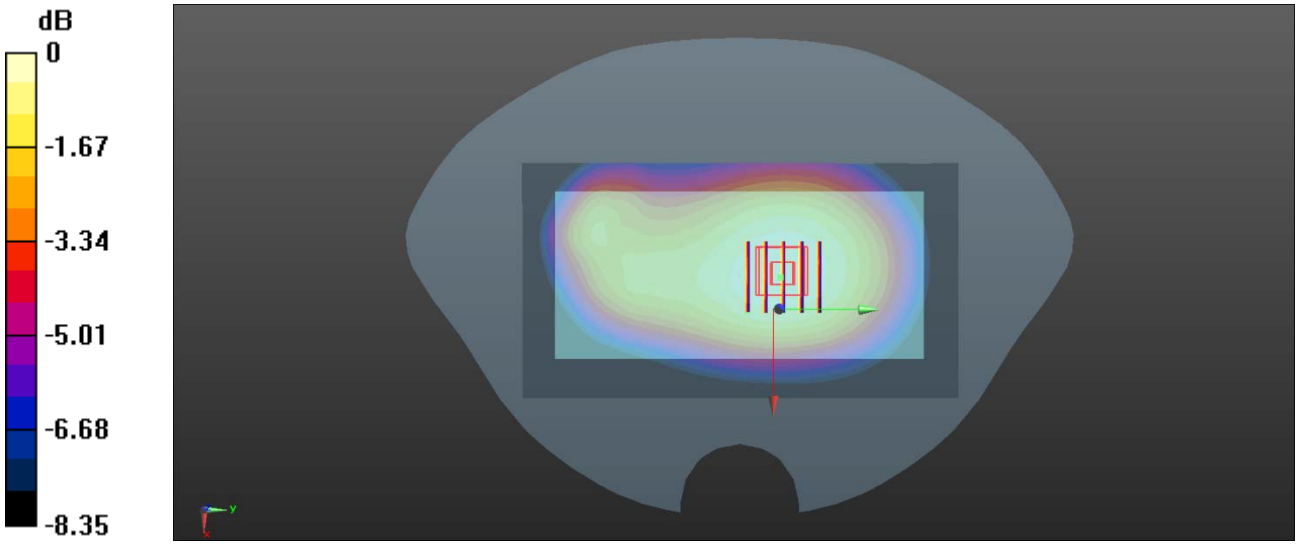
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.20 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.242 W/kg

SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.148 W/kg

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



0 dB = 0.203 W/kg

Meas.26 Body Plane with Back Side 10mm on Middle Channel in LTE Band 5 mode with Antenna1 and 1RB

Date: 2021.11.19

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

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.901 S/m; ε_r = 41.775; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

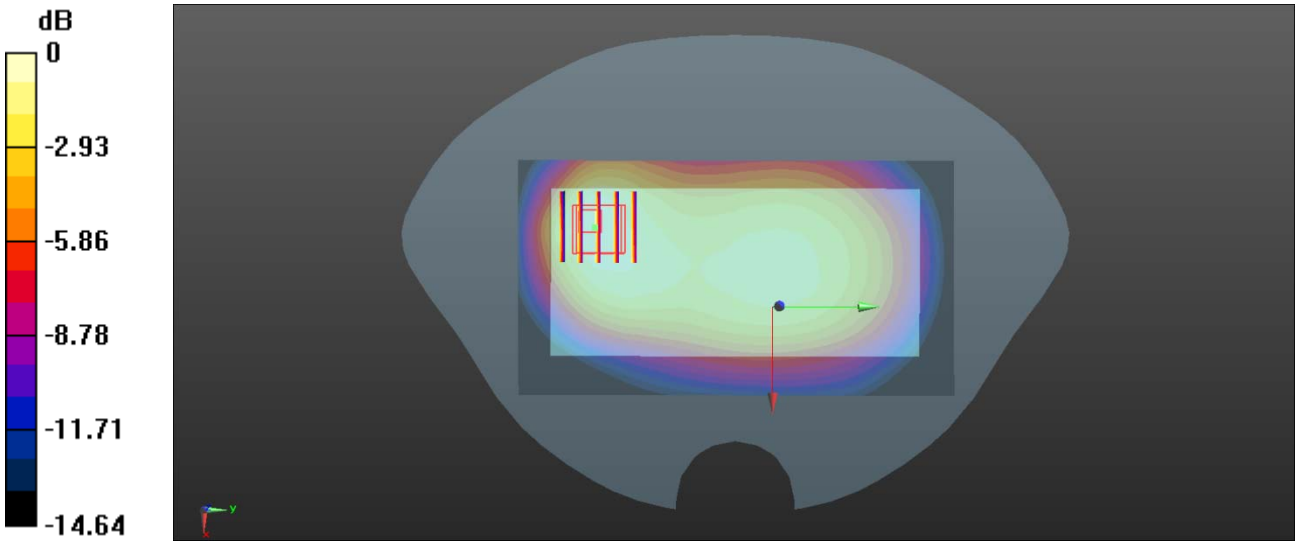
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.68 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.474 W/kg

SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.172 W/kg

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



0 dB = 0.291 W/kg

Meas.27 Right Head with Cheek on High Channel in LTE Band 7 mode with Antenna1 and 100RB

Date: 2021.12.27

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

Medium parameters used (interpolated): f = 2560 MHz; σ = 1.925 S/m; ε_r = 38.703; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.730 W/kg

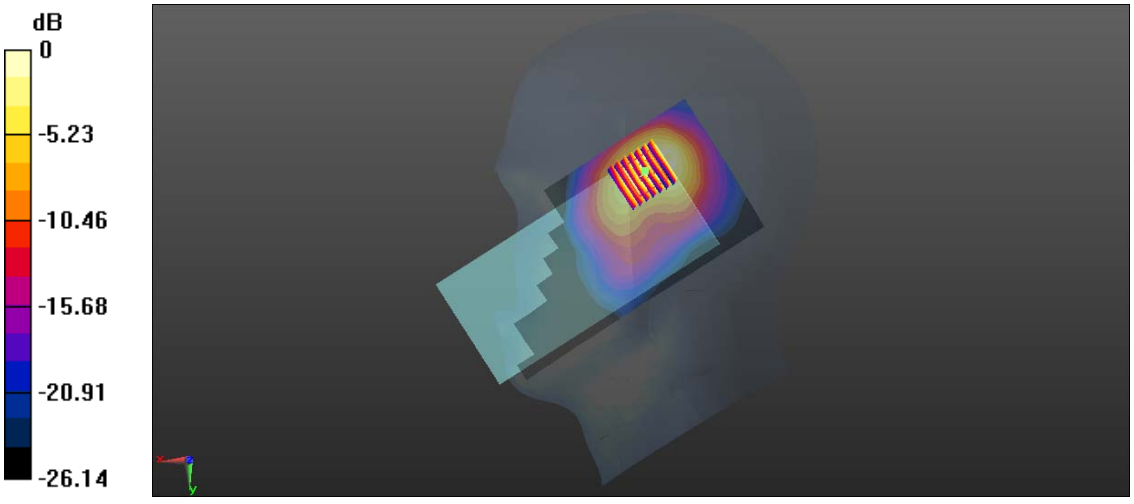
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.253 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.301 W/kg

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



0 dB = 0.717 W/kg

Meas.28 Body Plan with Back Side 15mm on Low Channel in LTE Band 7 mode with Antenna0 and 1RB

Date: 2021.11.28

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

Medium parameters used (interpolated): f = 2510 MHz; σ = 1.871 S/m; ε_r = 39.049; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.342 W/kg

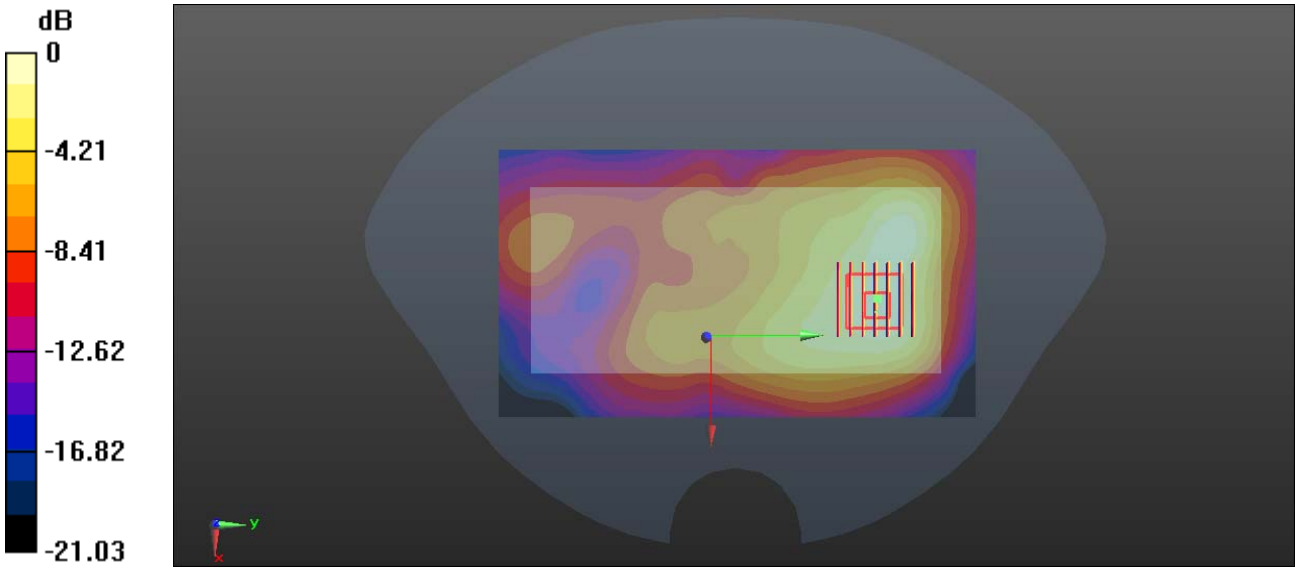
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.601 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.543 W/kg

SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.177 W/kg

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



0 dB = 0.343 W/kg

Meas.29 Body Plane with Back Side 10mm on High Channel in LTE Band 7 mode with Antenna0 and 50RB

Date: 2021.11.28

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

Medium parameters used (interpolated): f = 2560 MHz; σ = 1.93 S/m; ε_r = 38.677; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

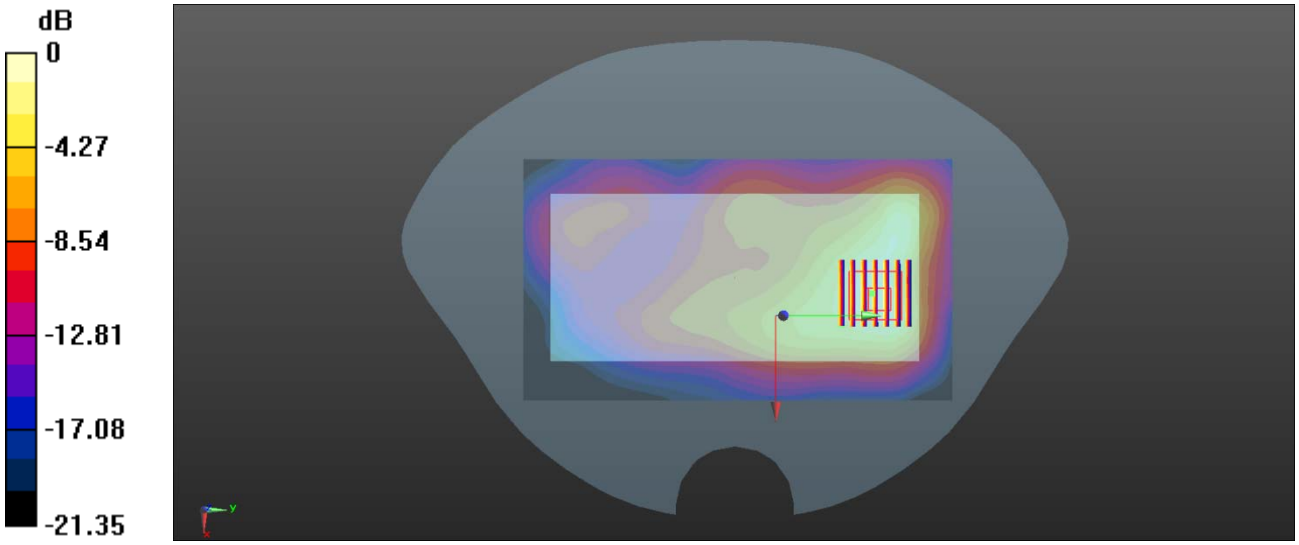
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.543 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.291 W/kg

Maximum value of SAR (measured) = 0.603 W/kg



0 dB = 0.603 W/kg

Meas.30 Right Head with Cheek on Low Channel in LTE Band 12 mode with Antenna1 and 1RB

Date: 2021.11.20

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

Medium parameters used (interpolated): f = 704 MHz; σ = 0.877 S/m; ε_r = 42.387; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.676 W/kg

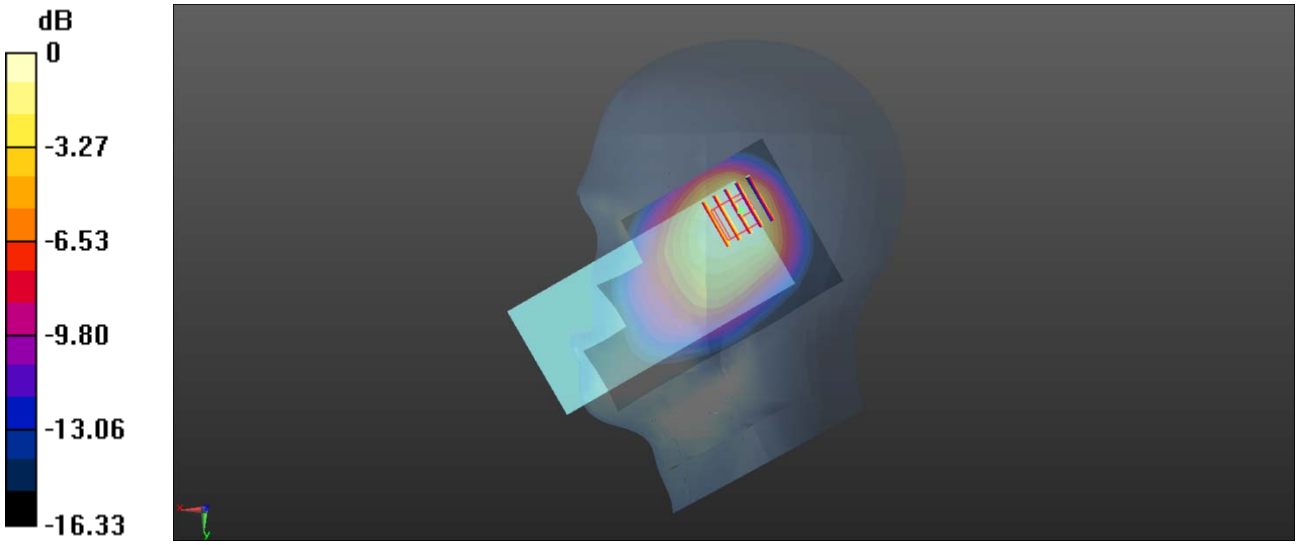
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.62 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.331 W/kg

Maximum value of SAR (measured) = 0.547 W/kg



0 dB = 0.547 W/kg

Meas.31 Body Plane with Back Side 15mm on Middle Channel in LTE Band 12 mode with Antenna1 and 1RB

Date: 2021.11.20

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

Medium parameters used (interpolated): f = 704 MHz; σ = 0.877 S/m; ε_r = 42.387; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

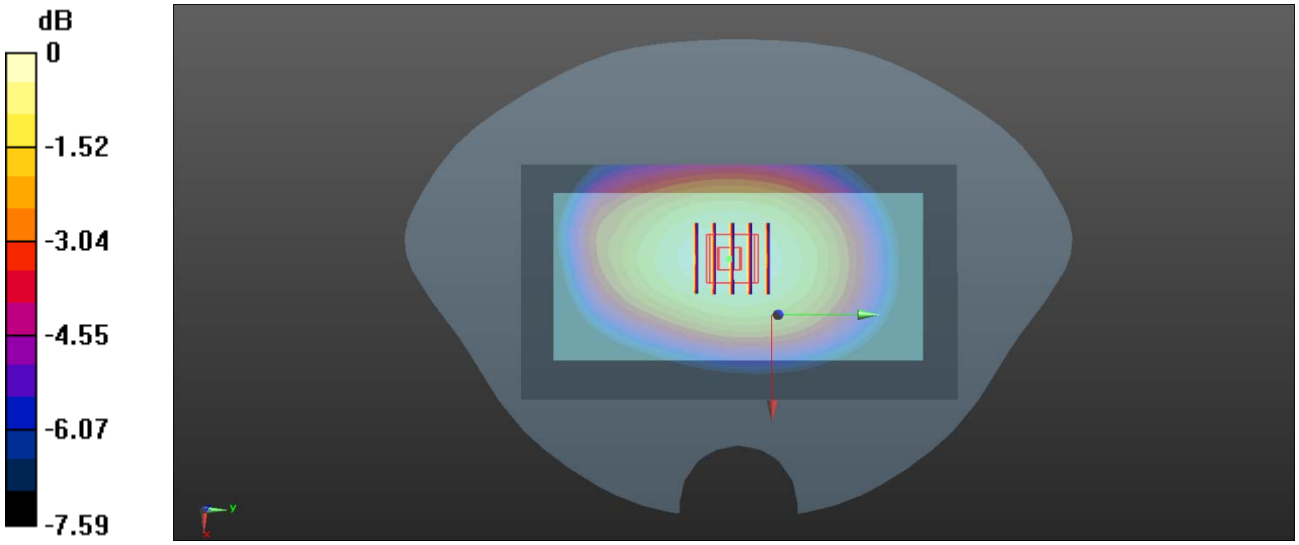
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.66 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.240 W/kg

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

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



0 dB = 0.201 W/kg

Meas.32 Body Plane with Back Side 10mm on Middle Channel in LTE Band 12 mode with Antenna1 and 1RB

Date: 2021.11.20

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

Medium parameters used (interpolated): f = 704 MHz; σ = 0.877 S/m; ε_r = 42.387; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

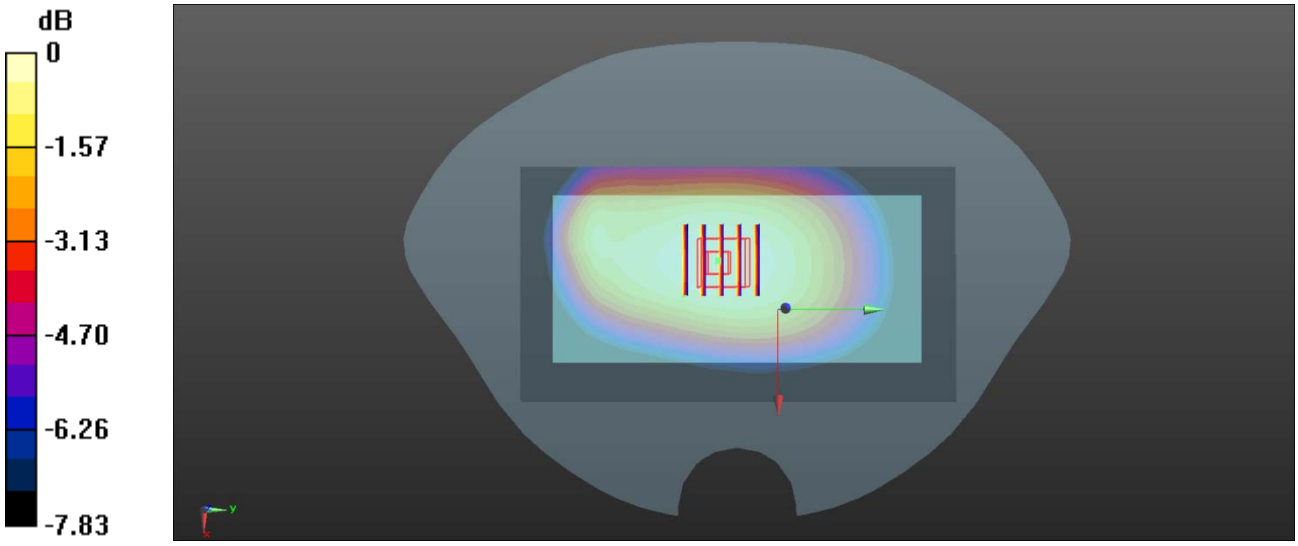
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.77 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.246 W/kg

SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.154 W/kg

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



0 dB = 0.208 W/kg

Meas.33 Right Head with Cheek on High Channel in LTE Band 26 mode with Antenna1 and 1RB

Date: 2021.11.21

Communication System Band: Band 26; Frequency: 841.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 841.5 MHz; σ = 0.912 S/m; ε_r = 41.731; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26965/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

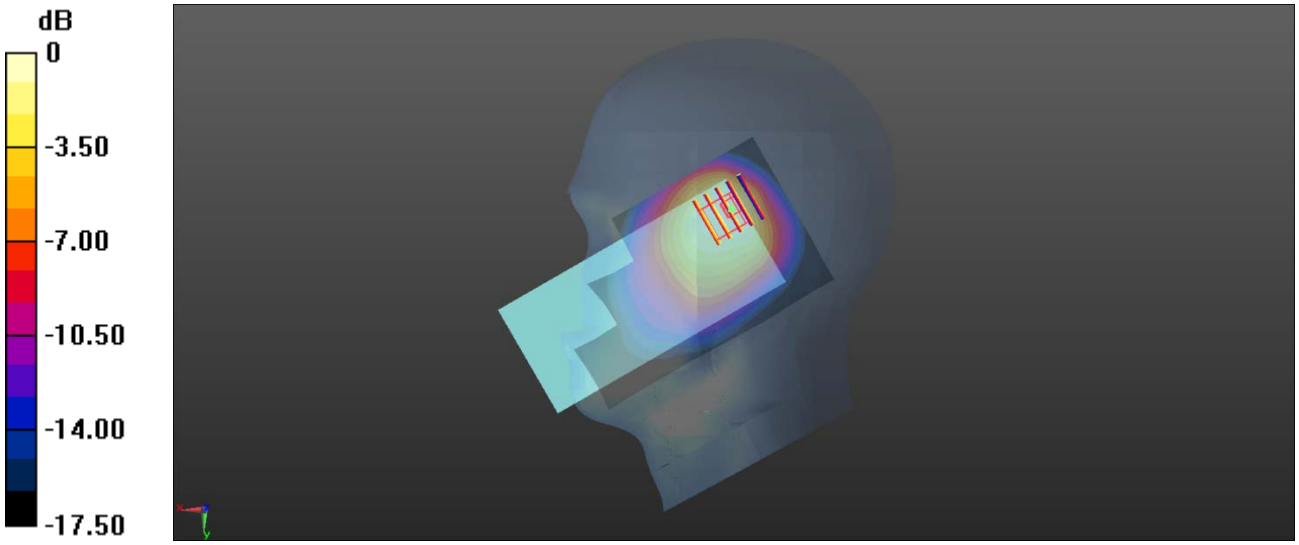
Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.83 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.826 W/kg; SAR(10 g) = 0.508 W/kg

Maximum value of SAR (measured) = 0.853 W/kg



0 dB = 0.853 W/kg

Meas.34 Body Plane with Back Side 15mm on Middle Channel in LTE Band 26 mode with Antenna1 and 1RB

Date: 2021.11.21

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

Medium parameters used (interpolated): f = 821.5 MHz; σ = 0.892 S/m; ε_r = 42.205; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.185 W/kg

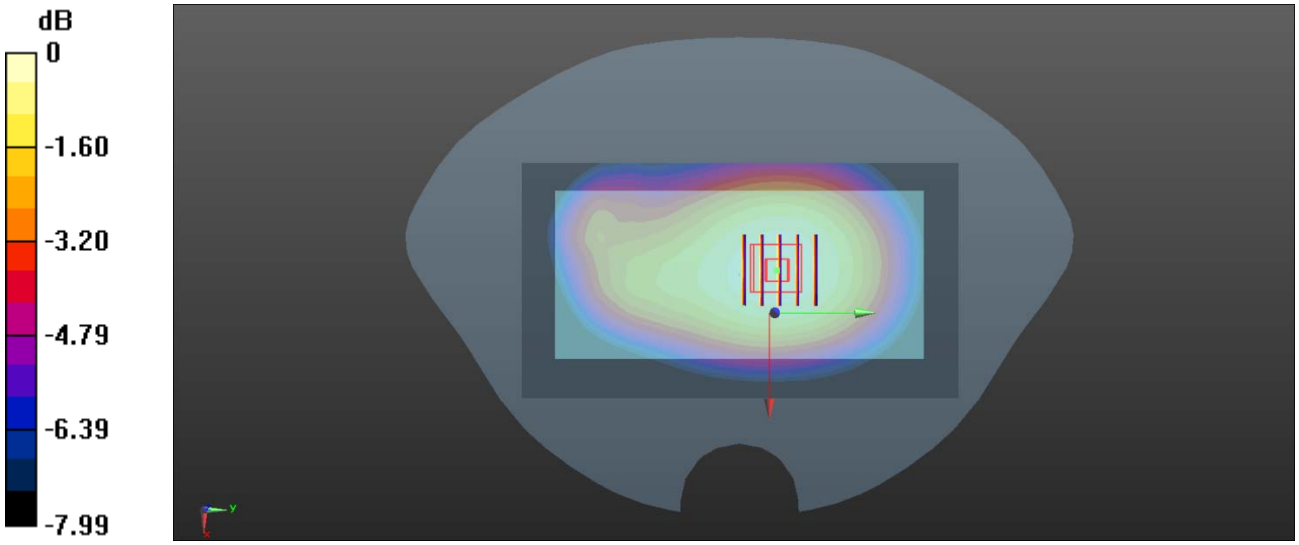
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.76 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.220 W/kg

SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.136 W/kg

Maximum value of SAR (measured) = 0.186 W/kg



0 dB = 0.186 W/kg

Meas.35 Body Plane with Back Side 10mm on Middle Channel in LTE Band 26 mode with Antenna1 and 1RB

Date: 2021.11.21

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

Medium parameters used (interpolated): f = 821.5 MHz; σ = 0.892 S/m; ε_r = 42.205; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.207 W/kg

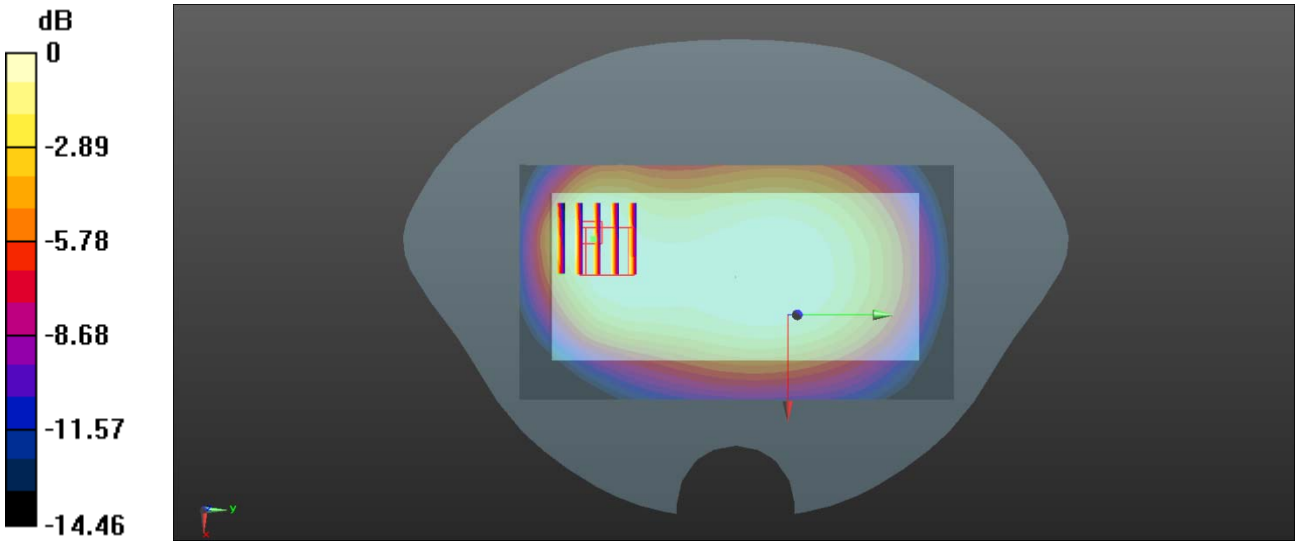
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.64 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.297 W/kg

SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.113 W/kg

Maximum value of SAR (measured) = 0.186 W/kg



0 dB = 0.186 W/kg

Meas.36 Right Head with Tilt on Middle Channel in LTE Band 66 mode with Antenna1 and 1RB

Date: 2021.11.23

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.374 S/m; ε_r = 40.124; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

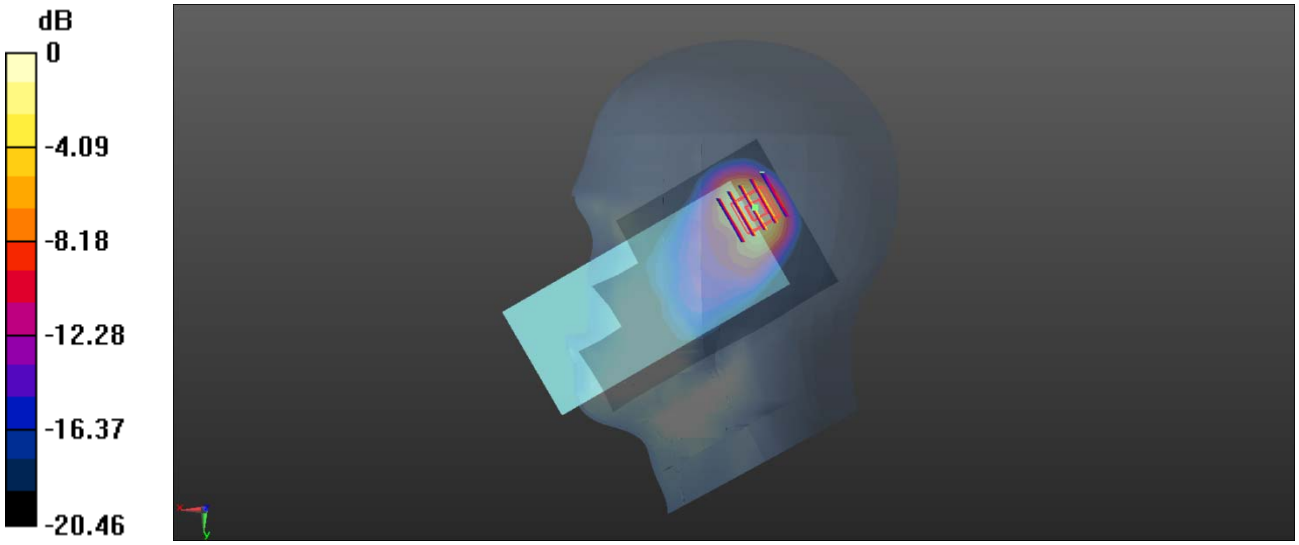
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.92 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.262 W/kg

Maximum value of SAR (measured) = 0.685 W/kg



0 dB = 0.685 W/kg

Meas.37 Body Plane with Back Side 15mm on High Channel in LTE Band 66 mode with Antenna0 and 1RB

Date: 2021.11.23

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

Medium parameters used (interpolated): f = 1770 MHz; σ = 1.384 S/m; ε_r = 39.598; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.272 W/kg

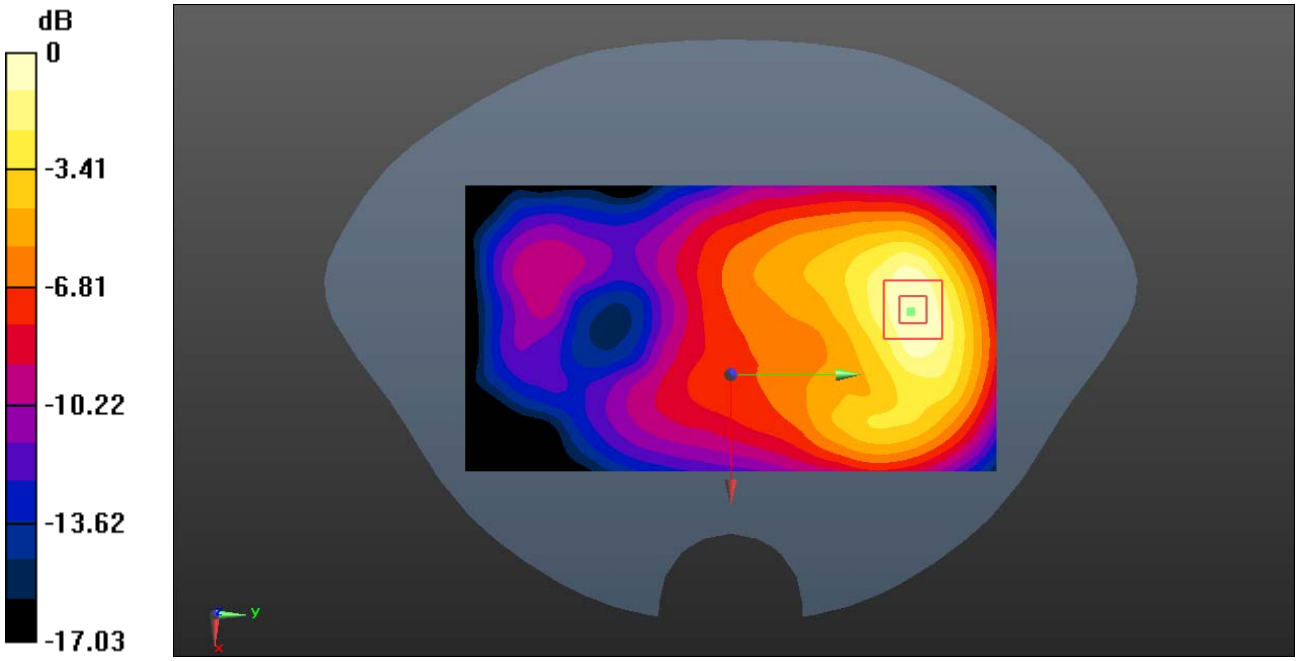
Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.304 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.383 W/kg

SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.153 W/kg

Maximum value of SAR (measured) = 0.270 W/kg



0 dB = 0.270 W/kg

Meas.38 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band 66 mode with Antenna1 and 1RB

Date: 2021.11.23

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.374 S/m; ε_r = 40.124; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

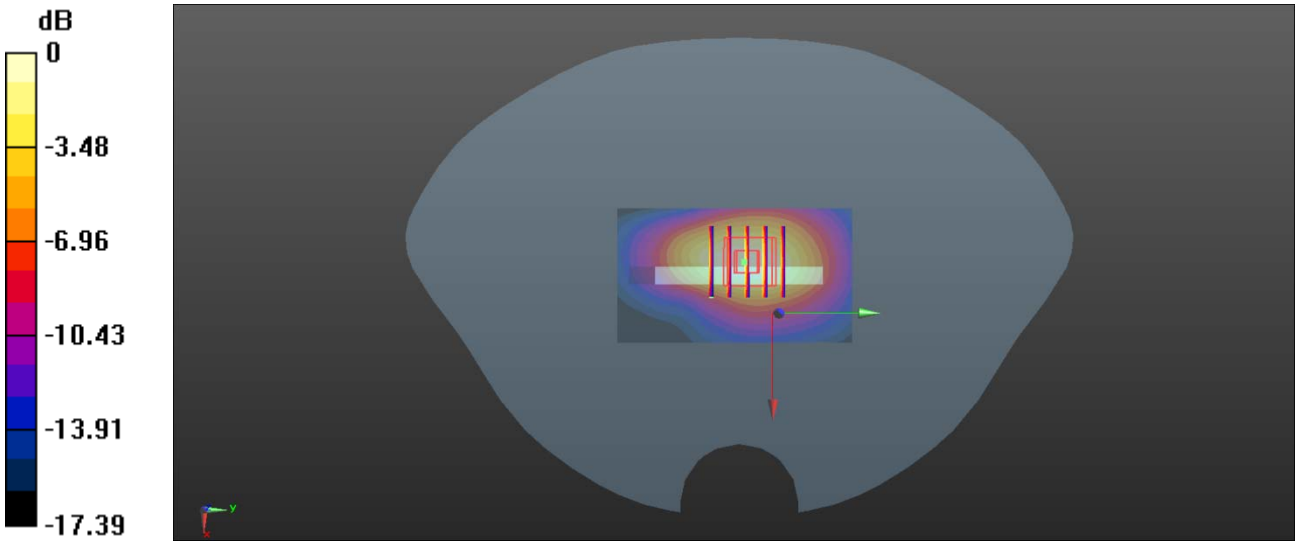
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.26 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.772 W/kg

SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.270 W/kg

Maximum value of SAR (measured) = 0.527 W/kg



0 dB = 0.527 W/kg

Meas.39 Right Head with Cheek on Low Channel in LTE Band 38 mode with Antenna1 and 50RB

Date: 2021.11.29

Communication System Band: Band 38; Frequency: 2580 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.951 S/m; ε_r = 38.695; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.668 W/kg

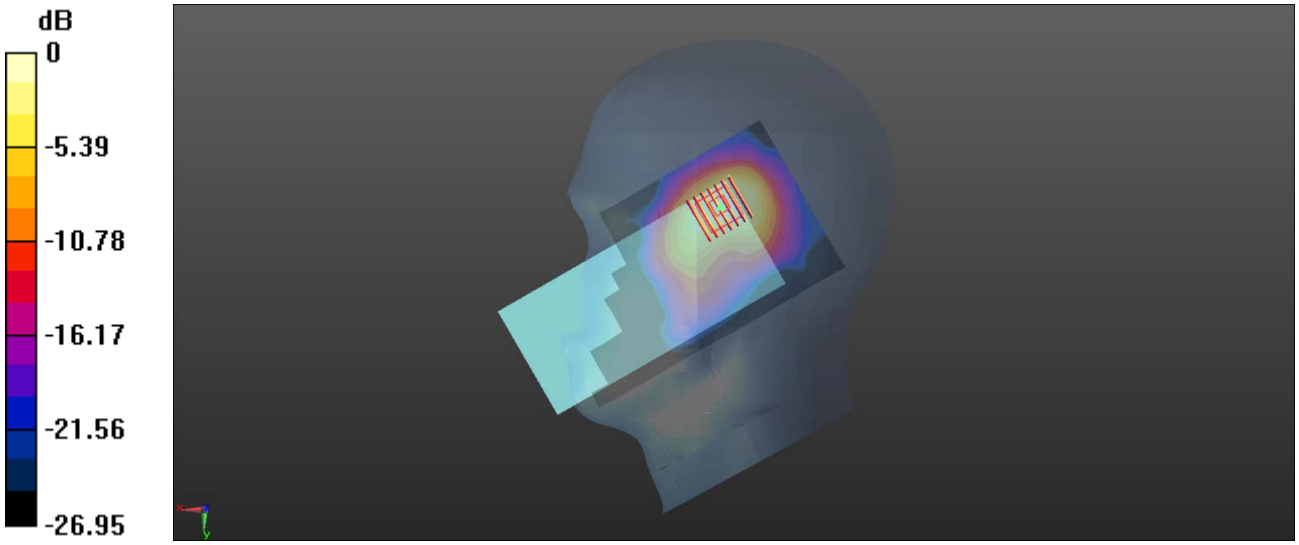
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.397 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 0.689 W/kg



0 dB = 0.689 W/kg

Meas.40 Body Plane with Back Side 15mm on High Channel in LTE Band 38 mode with Antenna0 and 1RB

Date: 2021.11.29

Communication System Band: Band 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 1.987 S/m; ε_r = 38.452; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.221 W/kg

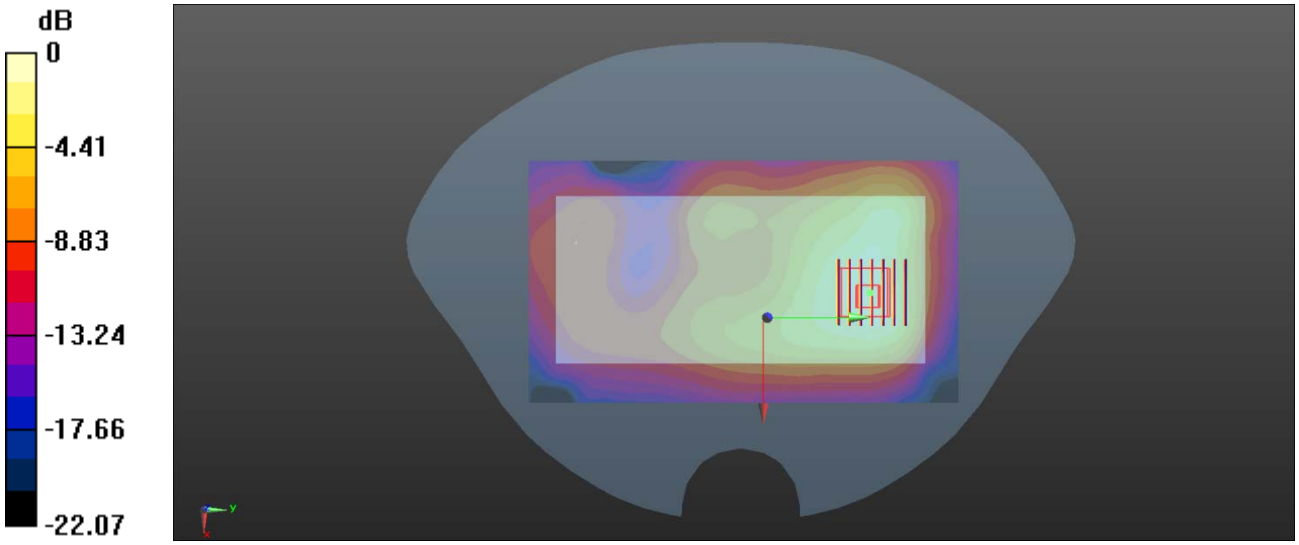
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.961 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.367 W/kg

SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.221 W/kg



0 dB = 0.221 W/kg

Meas.41 Body Plane with Back Side 10mm on High Channel in LTE Band 38 mode with Antenna0 and 1RB

Date: 2021.11.29

Communication System Band: Band 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 1.987 S/m; ε_r = 38.452; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.412 W/kg

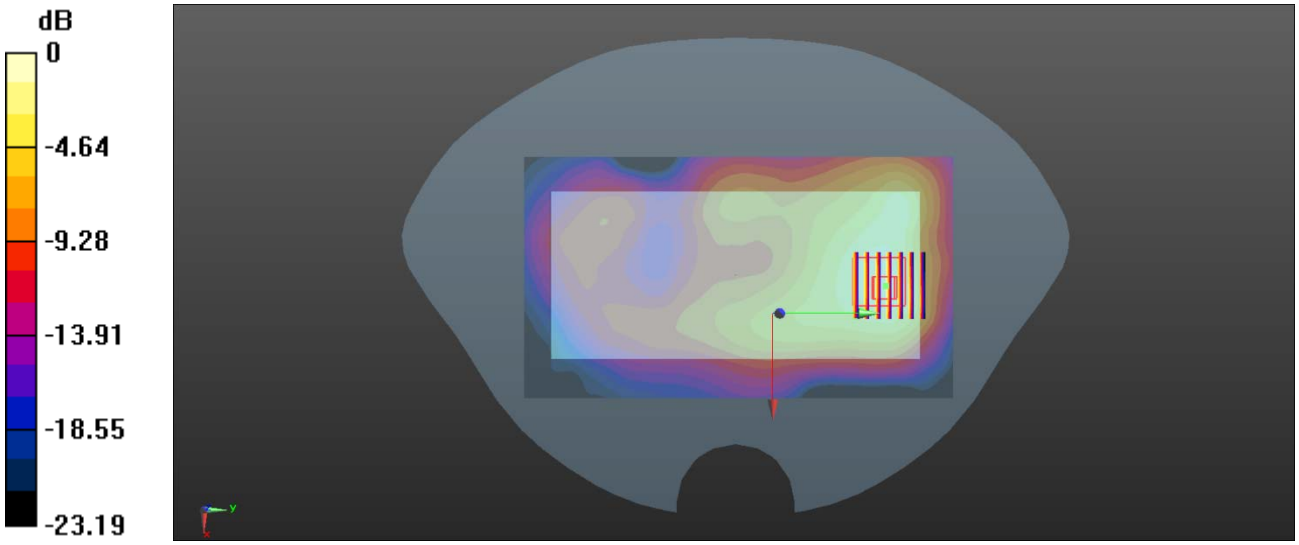
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.680 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.687 W/kg

SAR(1 g) = 0.373 W/kg; SAR(10 g) = 0.198 W/kg

Maximum value of SAR (measured) = 0.413 W/kg



0 dB = 0.413 W/kg

Meas.42 Right Head with Cheek on Middle Channel in LTE Band 41 mode with Antenna1 and 50RB

Date: 2021.11.30

Communication System Band: Band 41; Frequency: 2593 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2593 MHz; σ = 1.969 S/m; ε_r = 38.665; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.711 W/kg

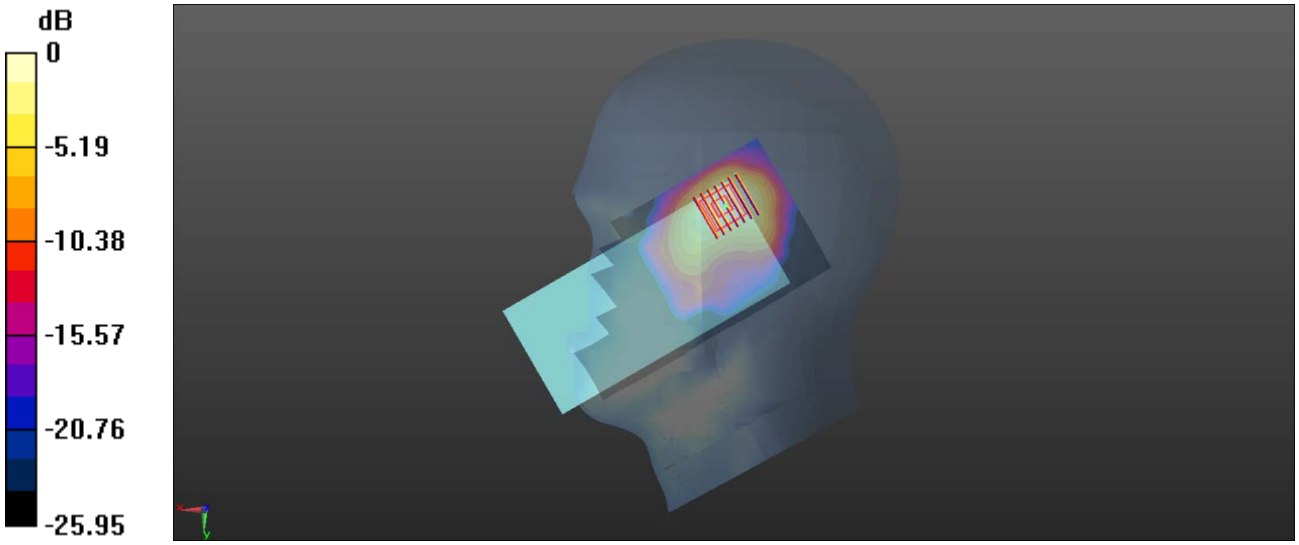
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.339 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.290 W/kg

Maximum value of SAR (measured) = 0.685 W/kg



0 dB = 0.685 W/kg

Meas.43 Body Plane with Back Side 15mm on High Channel in LTE Band 41 mode with Antenna0 and 1RB

Date: 2021.11.30

Communication System Band: Band 41; Frequency: 2680 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2680 MHz; σ = 2.069 S/m; ε_r = 38.126; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490 /Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.200 W/kg

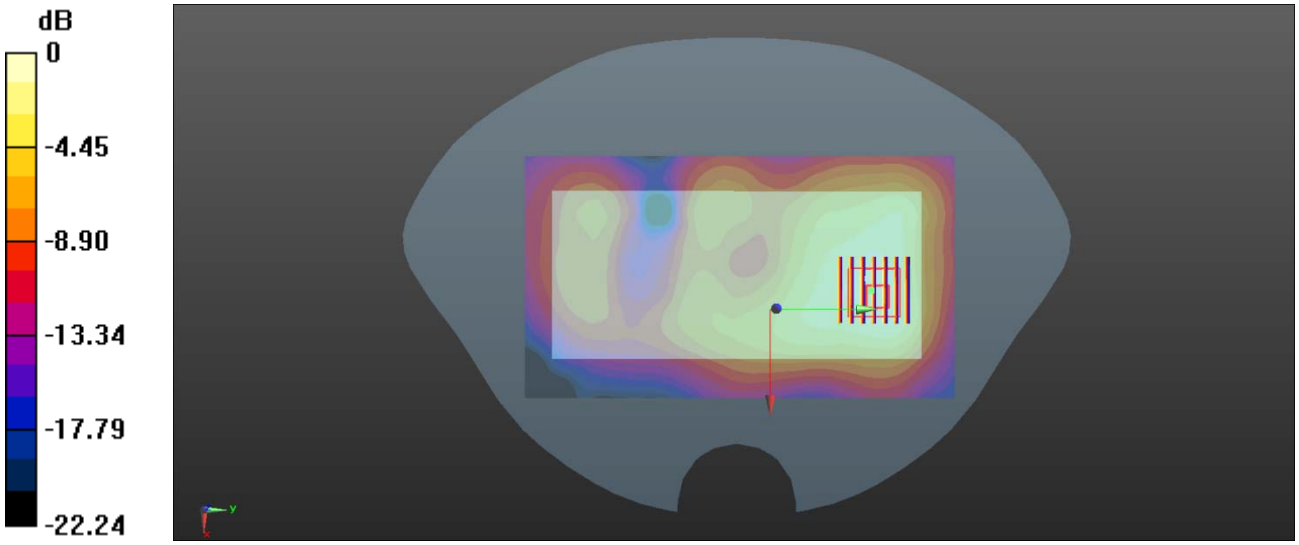
Ch41490 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.593 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.099 W/kg

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



0 dB = 0.201 W/kg

Meas.44 Body Plane with Back Side 10mm on High Channel in LTE Band 41 mode with Antenna0 and 1RB

Date: 2021.11.30

Communication System Band: Band 41; Frequency: 2680 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2680 MHz; σ = 2.069 S/m; ε_r = 38.126; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.434 W/kg

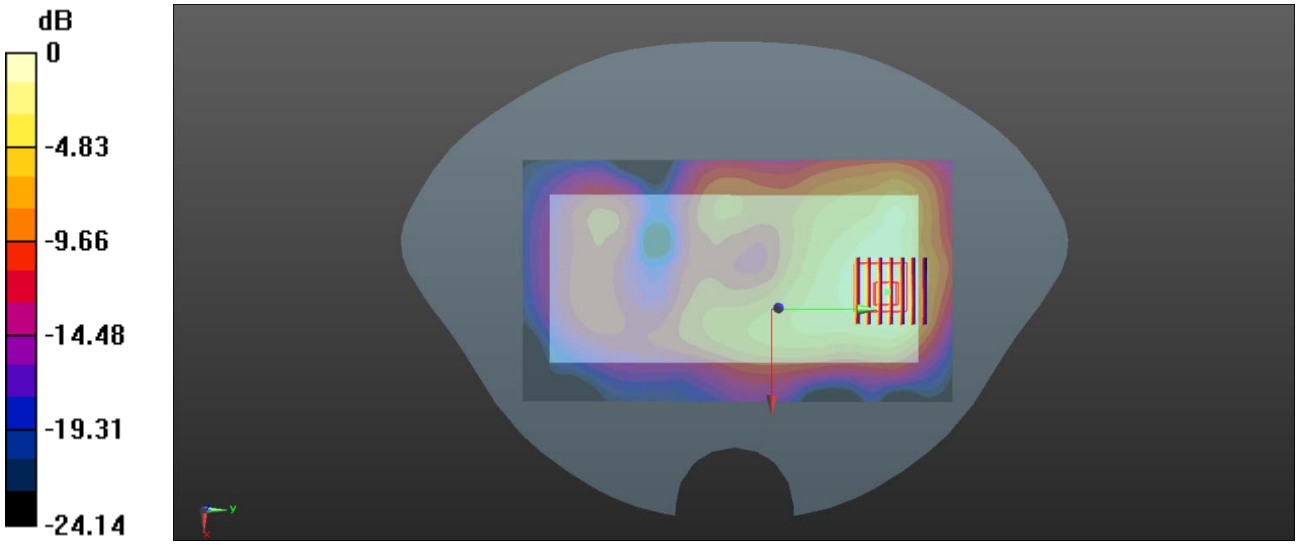
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.234 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.748 W/kg

SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.204 W/kg

Maximum value of SAR (measured) = 0.439 W/kg



0 dB = 0.439 W/kg

Meas.45 Right Head with Cheek on 167300 Channel in N5 mode with Antenna1 and 1RB

Date: 2021.11.24

Communication System Band: N5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.901 S/m; ε_r = 41.685; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch167300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.667 W/kg

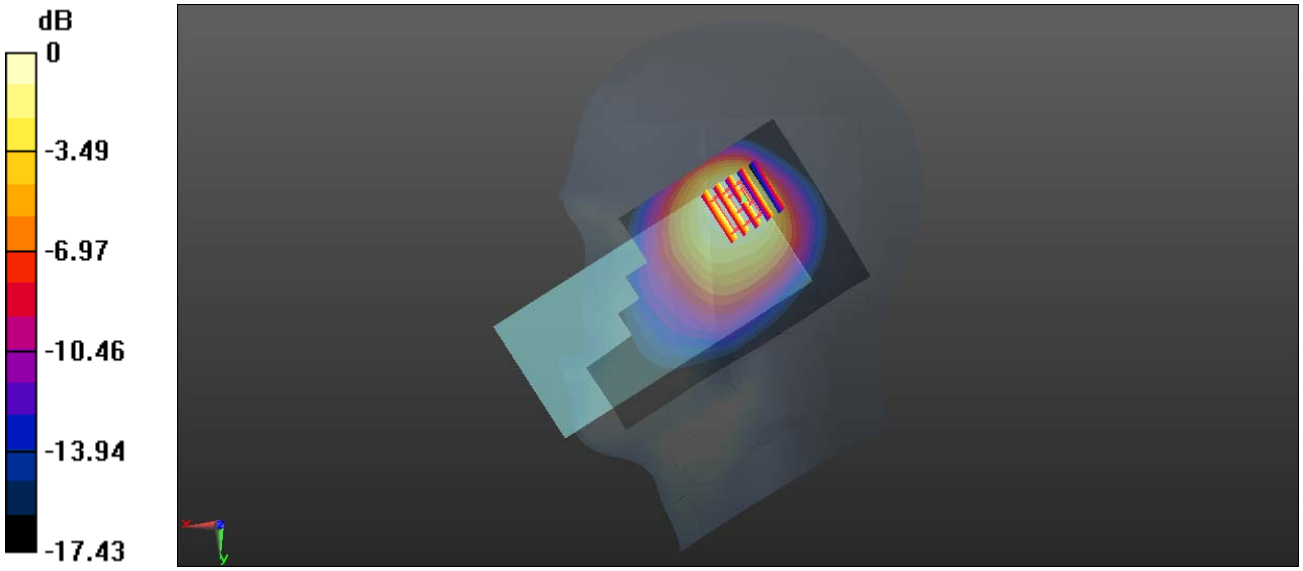
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.16 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.581 W/kg; SAR(10 g) = 0.367 W/kg

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



0 dB = 0.606 W/kg

Meas.46 Body Plan with Back Side 15mm on 166800 Channel in N5 mode with Antenna1 and 1RB

Date: 2021.11.24

Communication System Band: N5; Frequency: 834 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 834 MHz; σ = 0.897 S/m; ε_r = 41.784; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch166800/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

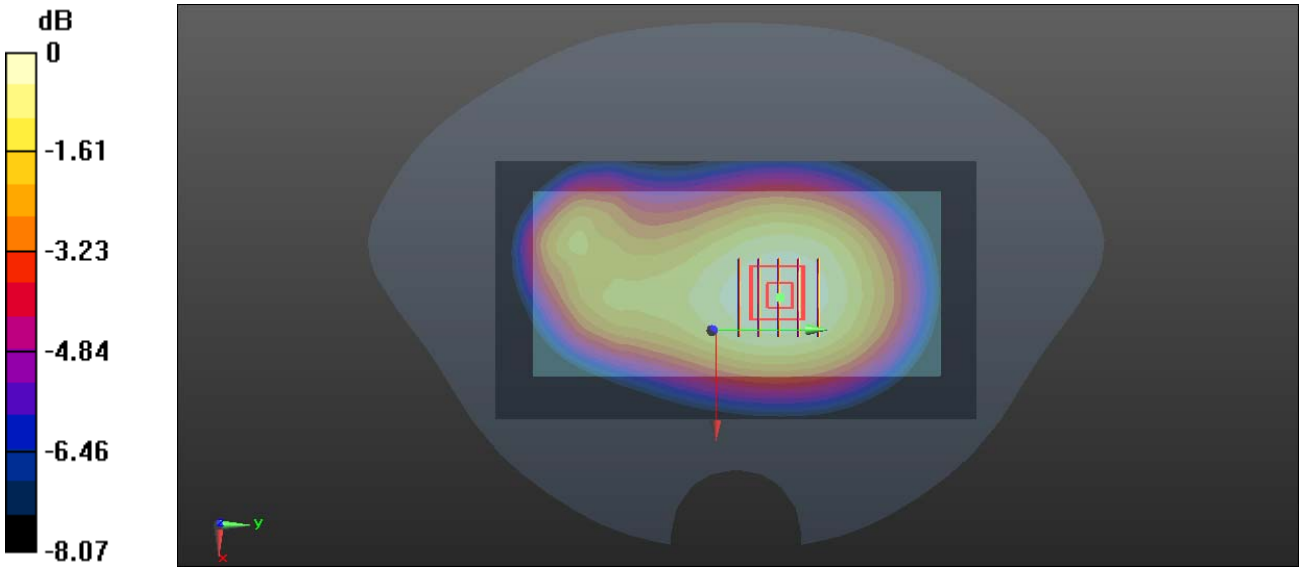
Ch166800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.49 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.252 W/kg

SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.153 W/kg

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



0 dB = 0.211 W/kg

Meas.47 Body Plan with Back Side 10mm on 166800 Channel in N5 mode with Antenna1 and 1RB

Date: 2021.11.24

Communication System Band: N5; Frequency: 834 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 834 MHz; σ = 0.897 S/m; ε_r = 41.784; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch166800/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.346 W/kg

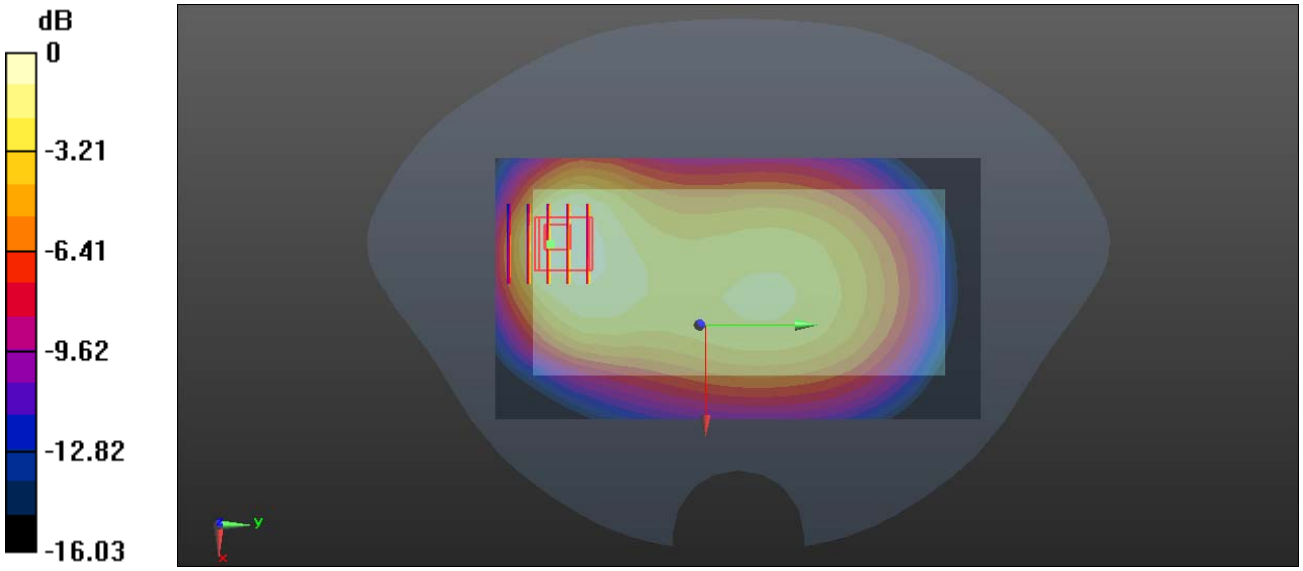
Ch166800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.52 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.535 W/kg

SAR(1 g) = 0.315 W/kg; SAR(10 g) = 0.194 W/kg

Maximum value of SAR (measured) = 0.337 W/kg



0 dB = 0.337 W/kg

Meas.48 Right Head with Cheek on 507000 Channel in N7 mode with Antenna1 and 1RB

Date: 2021.12.03

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.903 S/m; ε_r = 39.097; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.830 W/kg

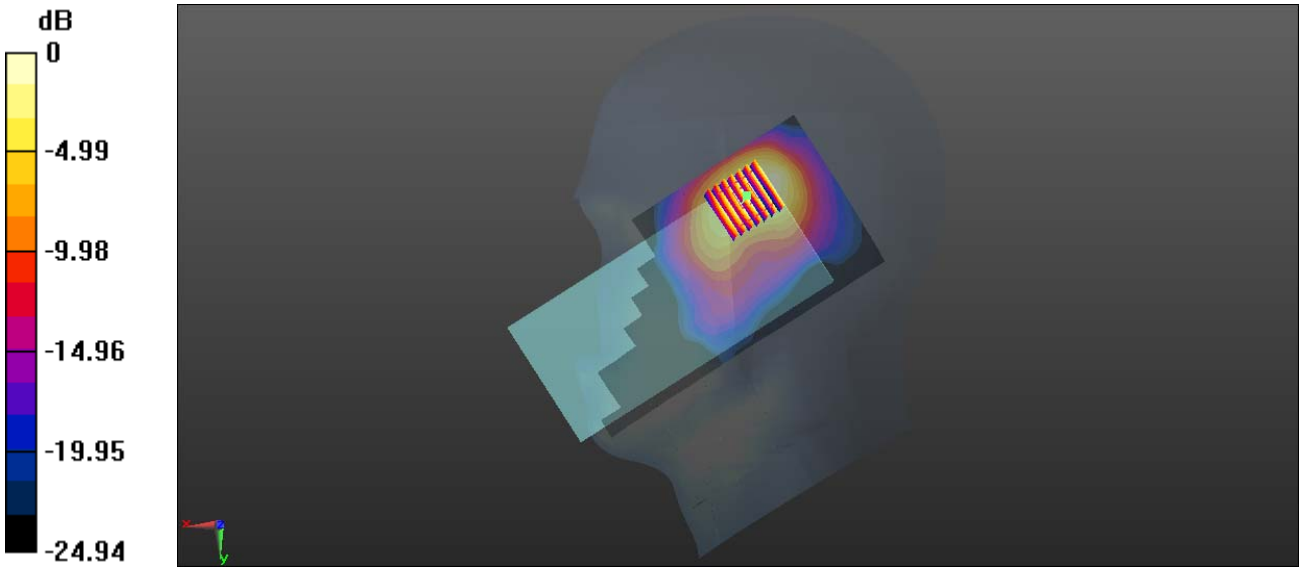
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.934 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.699 W/kg; SAR(10 g) = 0.341 W/kg

Maximum value of SAR (measured) = 0.811 W/kg



0 dB = 0.811 W/kg

Meas.49 Body Plan with Back Side 15mm on 502000 Channel in N7 mode with Antenna0 and 1RB

Date: 2021.12.04

Communication System Band: N7; Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2510 MHz; σ = 1.865 S/m; ε_r = 39.057; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch502000/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.307 W/kg

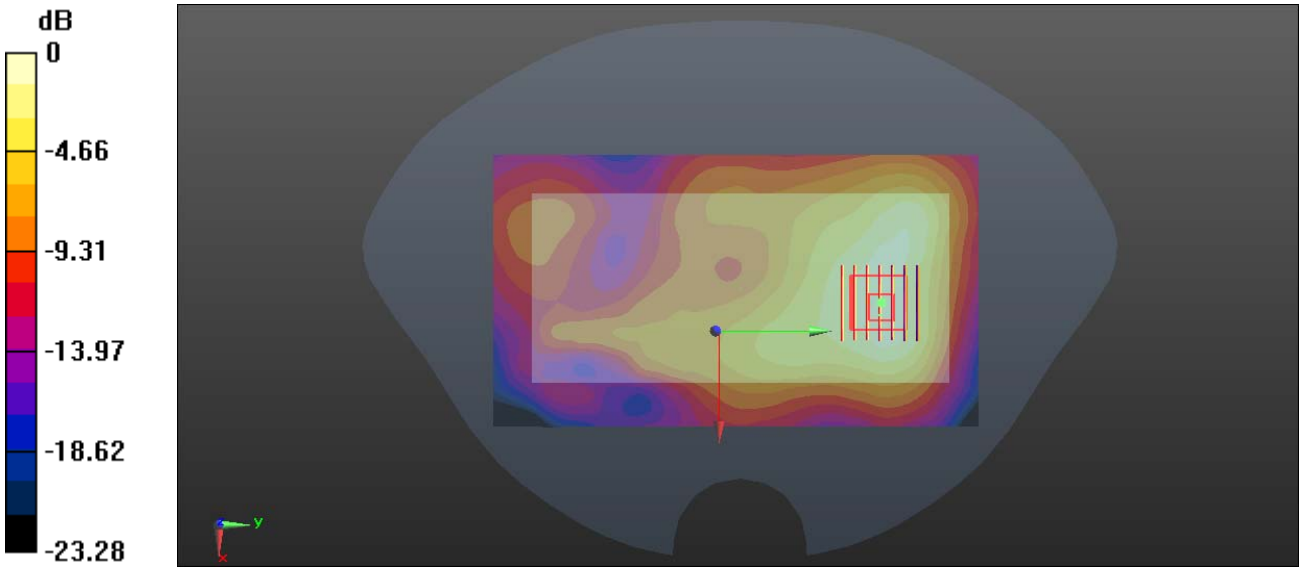
Ch502000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.367 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.489 W/kg

SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.152 W/kg

Maximum value of SAR (measured) = 0.301 W/kg



0 dB = 0.301 W/kg

Meas.50 Body Plan with Back Side 10mm on 502000 Channel in N7 mode with Antenna0 and 1RB

Date: 2021.12.04

Communication System Band: N7; Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2510 MHz; σ = 1.865 S/m; ε_r = 39.057; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch502000/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.631 W/kg

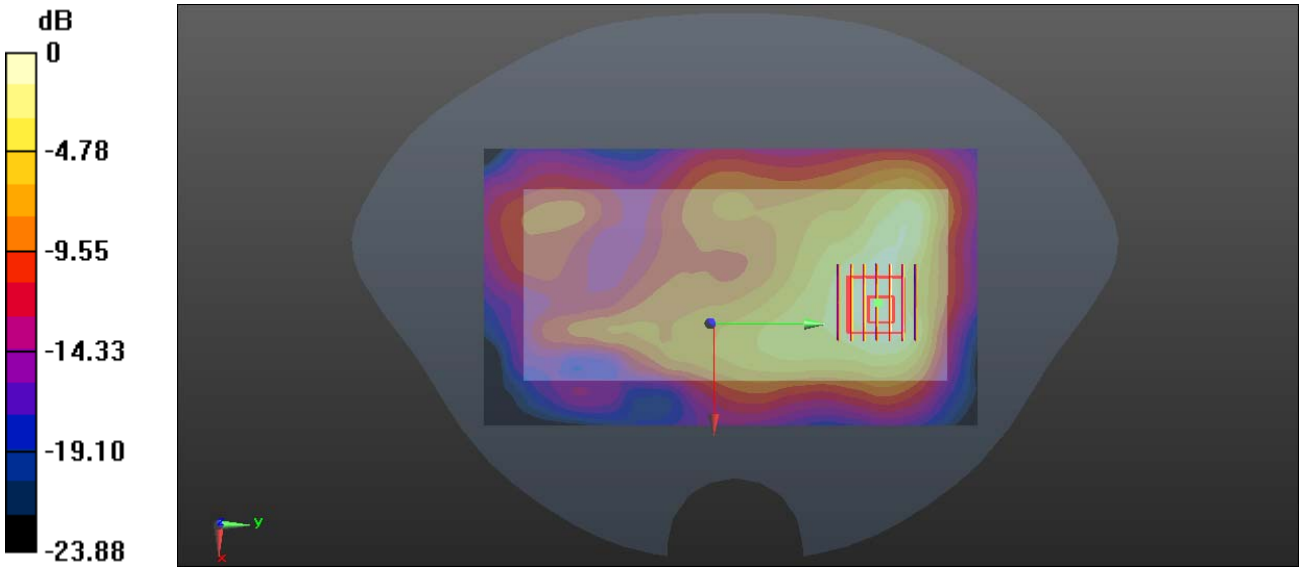
Ch502000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.834 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.302 W/kg

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



0 dB = 0.626 W/kg

Meas.51 Right Head with Cheek on 519000 Channel in in N38 mode with Antenna1 and 1RB

Date: 2021.12.05

Communication System Band: N38; Frequency: 2595 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.964 S/m; ε_r = 38.592; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch519000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.948 W/kg

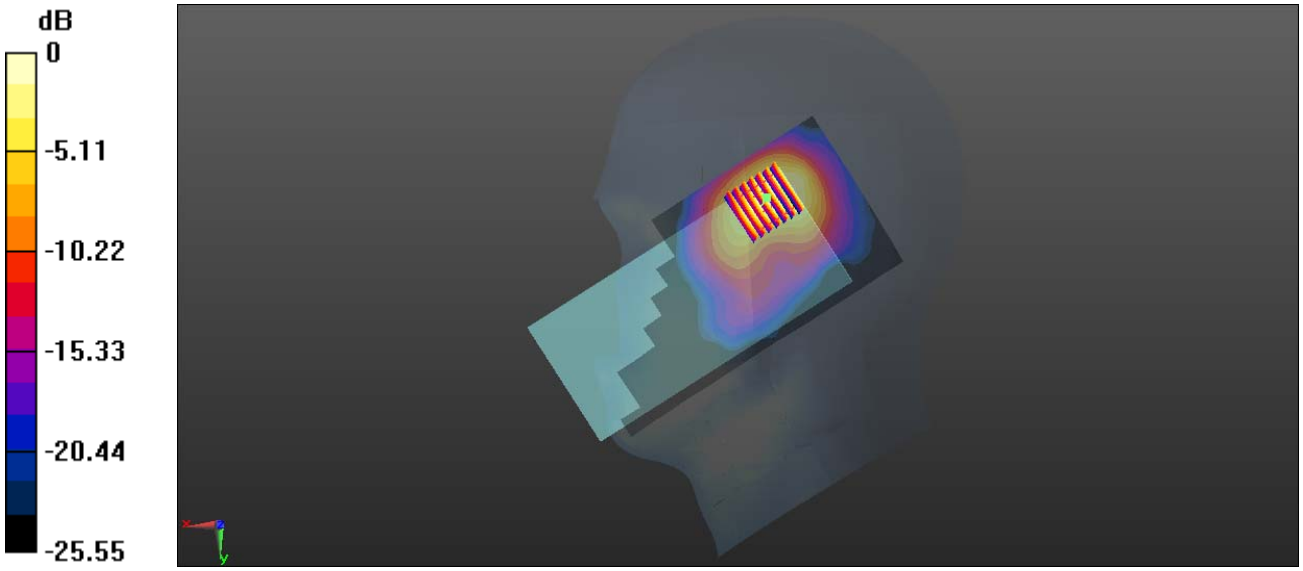
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.438 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.806 W/kg; SAR(10 g) = 0.386 W/kg

Maximum value of SAR (measured) = 0.935 W/kg



0 dB = 0.935 W/kg

Meas.52 Body Plan with Back Side 15mm on 522000 Channel in N38 mode with Antenna0 and 1RB

Date: 2021.12.05

Communication System Band: N38; Frequency: 2610 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2610 MHz; σ = 1.981 S/m; ε_r = 38.457; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch522000/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

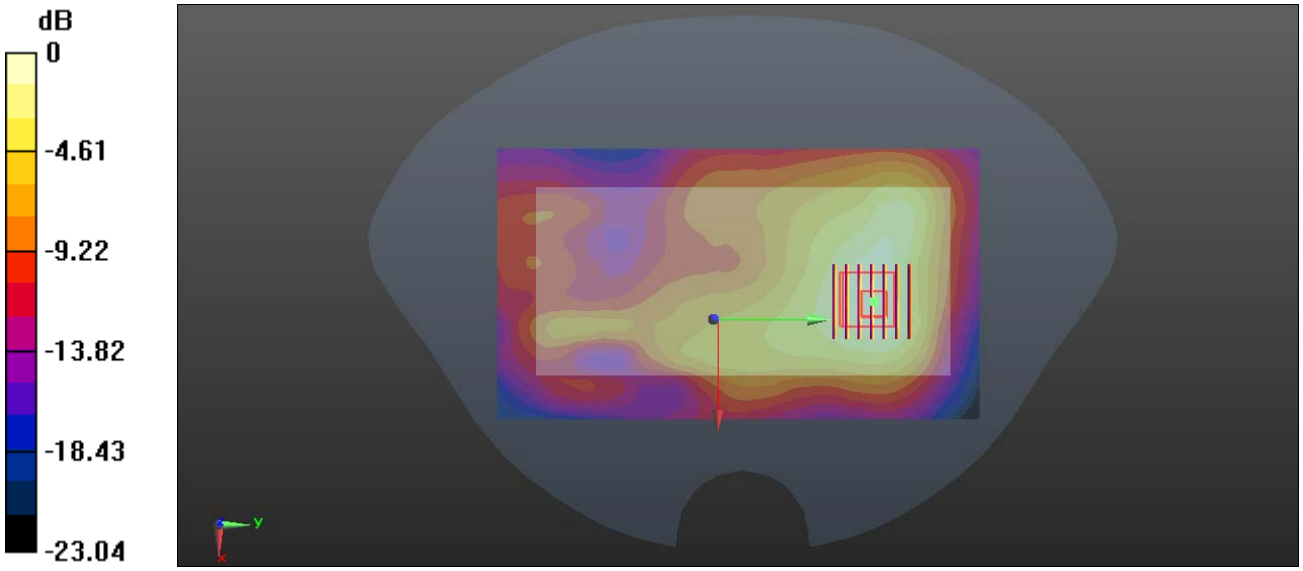
Ch522000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.793 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.580 W/kg

SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.179 W/kg

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



0 dB = 0.360 W/kg

Meas.53 Body Plan with Back Side 10mm on 516000 Channel in N38 mode with Antenna0 and 1RB

Date: 2021.12.05

Communication System Band: N38; Frequency: 2580 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.949 S/m; ε_r = 38.71; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch516000/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

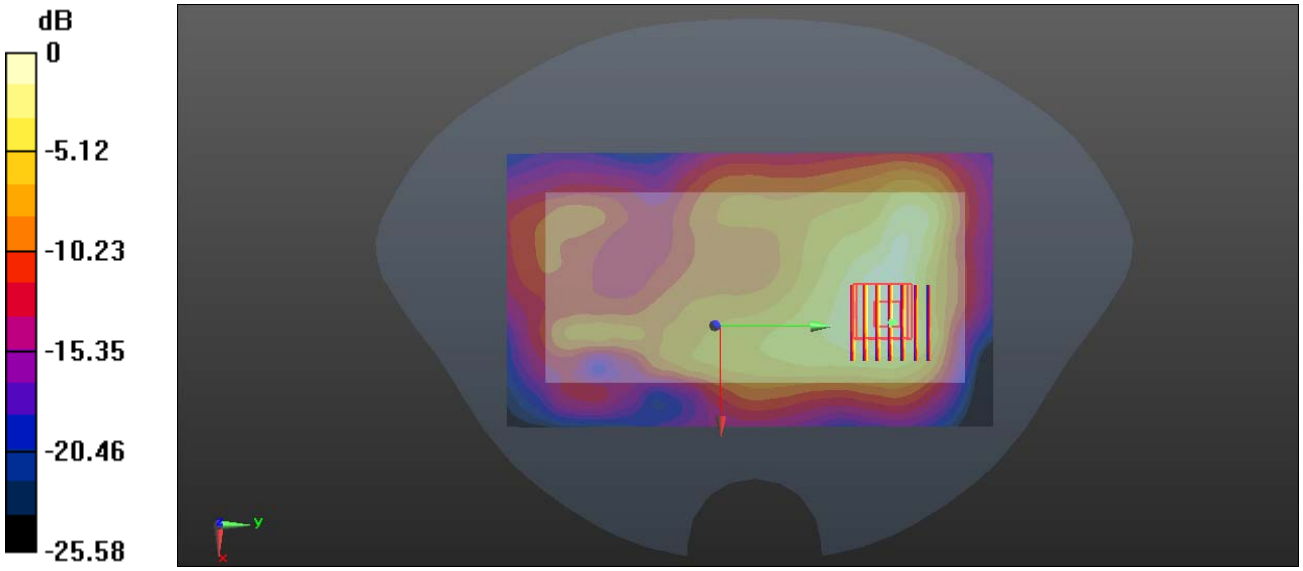
Ch516000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.157 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.627 W/kg; SAR(10 g) = 0.333 W/kg

Maximum value of SAR (measured) = 0.695 W/kg



0 dB = 0.695 W/kg

Meas.54 Right Head with Cheek on 518598 Channel in N41 mode with Antenna1 and 1RB

Date: 2021.12.06

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.961 S/m; ε_r = 38.58; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

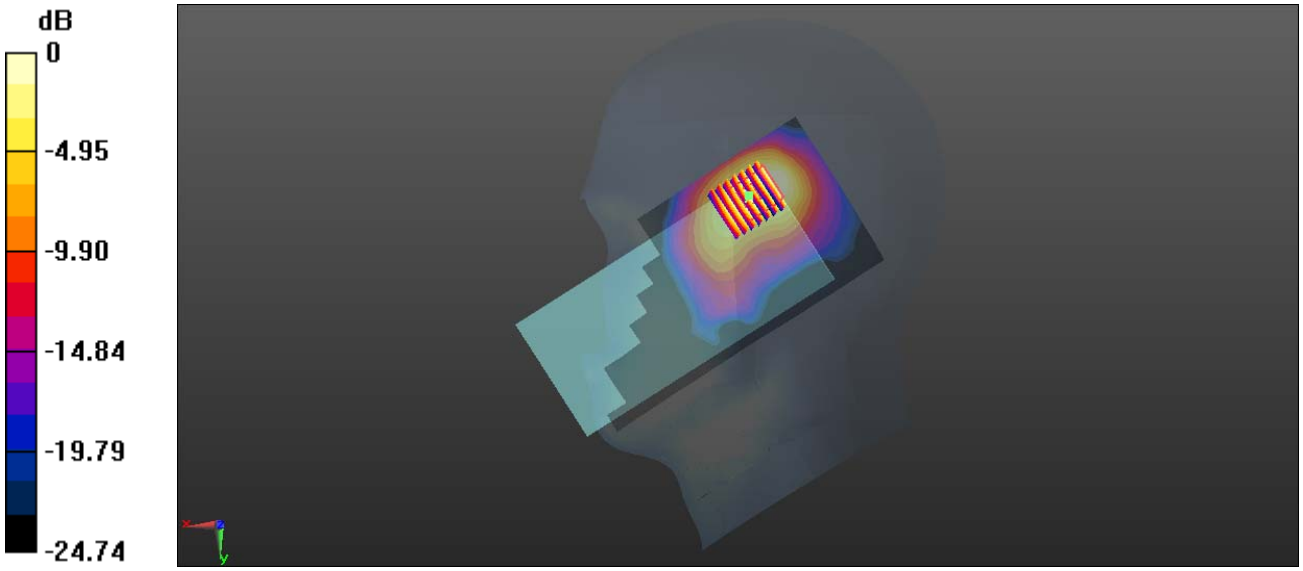
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.615 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 0.581 W/kg



0 dB = 0.581 W/kg

Meas.55 Body Plan with Back Side 15mm on 518598 Channel in N41 mode with Antenna0 and 1RB

Date: 2021.12.07

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.966 S/m; ε_r = 38.671; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

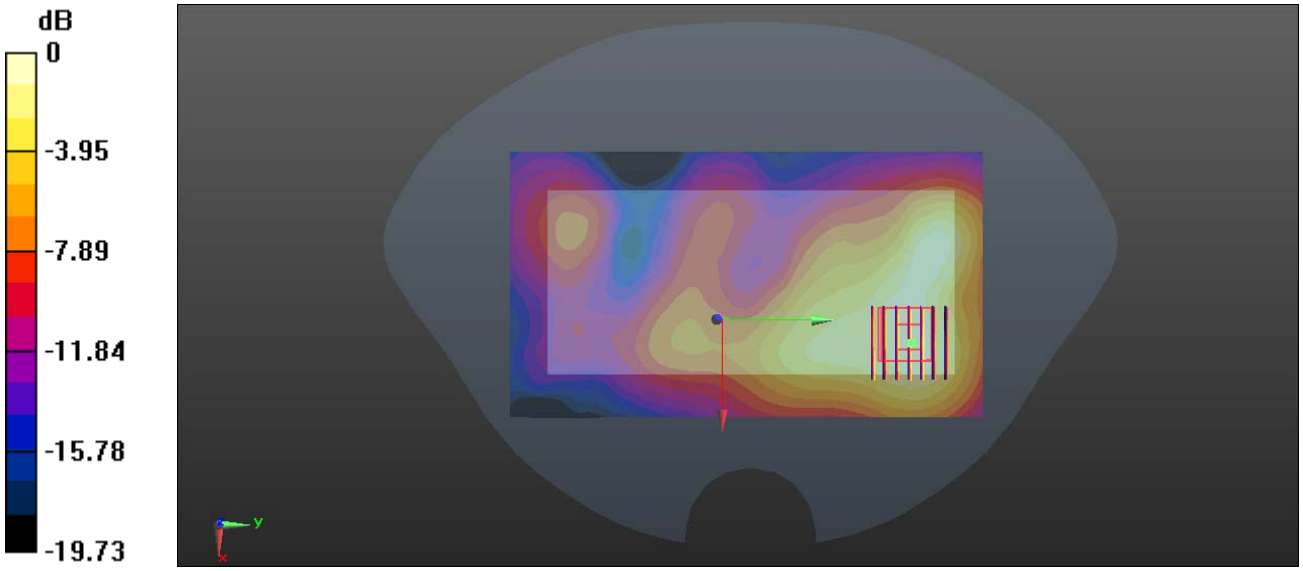
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.473 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.514 W/kg

SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.162 W/kg

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



0 dB = 0.317 W/kg

Meas.56 Body Plan with Back Side 10mm on 518598 Channel in N41 mode with Antenna1 and 1RB

Date: 2021.12.07

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.966 S/m; ε_r = 38.671; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.772 W/kg

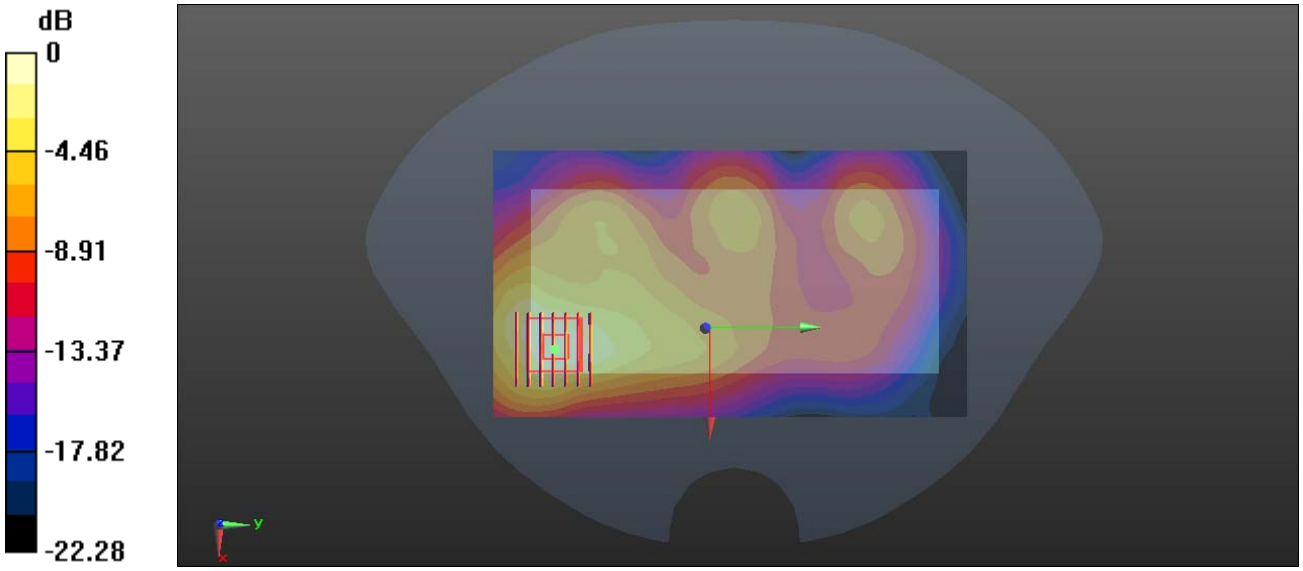
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.052 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.687 W/kg; SAR(10 g) = 0.357 W/kg

Maximum value of SAR (measured) = 0.773 W/kg



0 dB = 0.773 W/kg

Meas.57 Right Head with Tilt on 354000 Channel in N66 mode with Antenna1 and 1RB

Date: 2021.11.25

Communication System Band: N66; Frequency: 1770 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1770 MHz; σ = 1.382 S/m; ε_r = 39.854; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch354000/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.544 W/kg

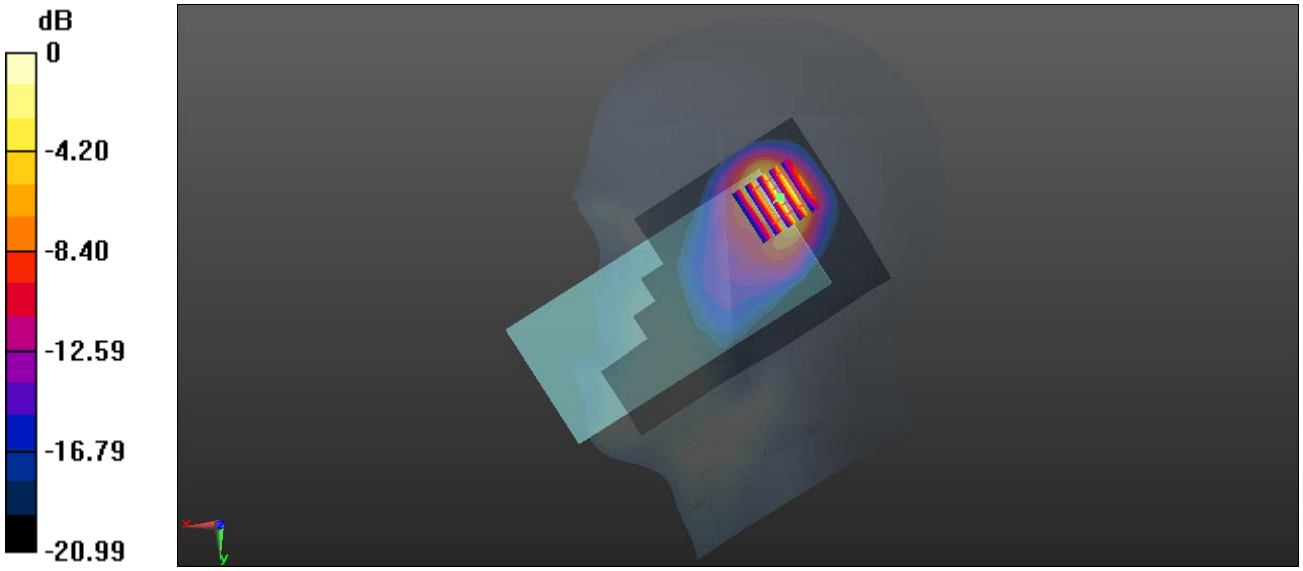
Ch354000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.57 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.893 W/kg

SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.192 W/kg

Maximum value of SAR (measured) = 0.514 W/kg



0 dB = 0.514 W/kg

Meas.58 Body Plane with Front side 15mm on Middle Channel in N66 with Antenna1 and 1RB and 1RB

Date: 2021.11.25

Communication System Band: N66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.371 S/m; ε_r = 40.147; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch349000/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.275 W/kg

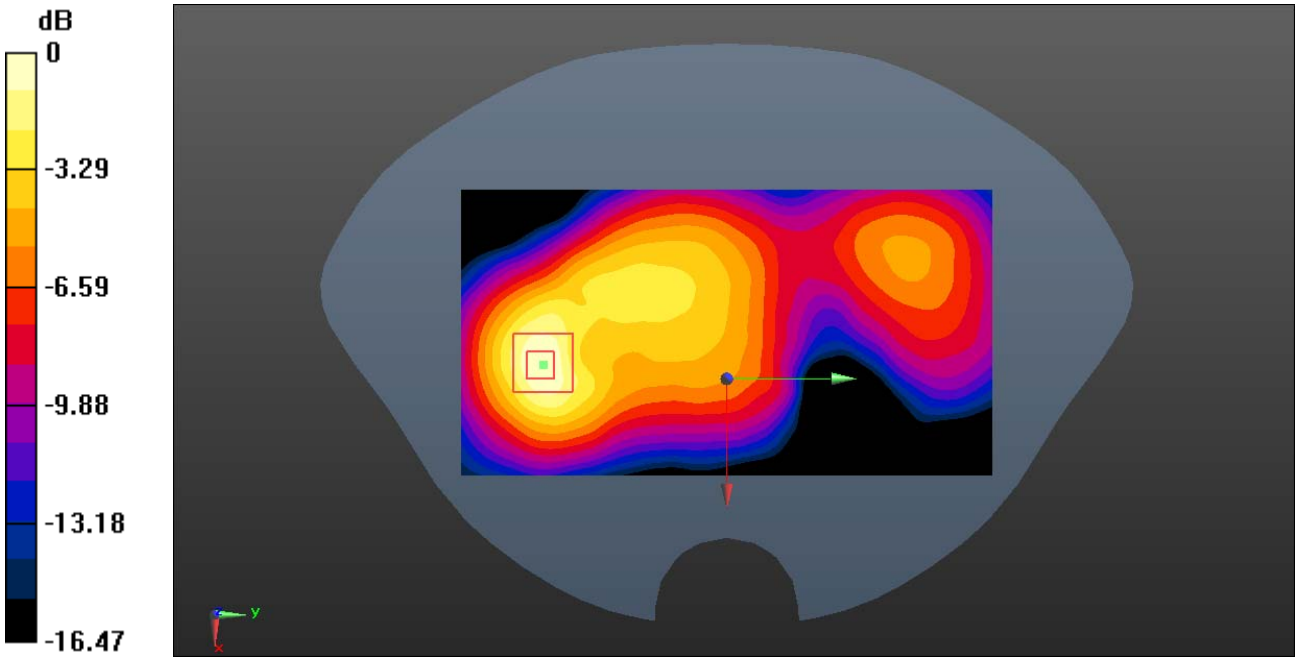
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.685 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.415 W/kg

SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.146 W/kg

Maximum value of SAR (measured) = 0.284 W/kg



0 dB = 0.284 W/kg

Meas.59 Body Plan with Top Edge 10mm on 349000 Channel in N66 mode with Antenna1 and 1RB

Date: 2021.11.25

Communication System Band: N66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.371 S/m; ε_r = 40.147; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch349000/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

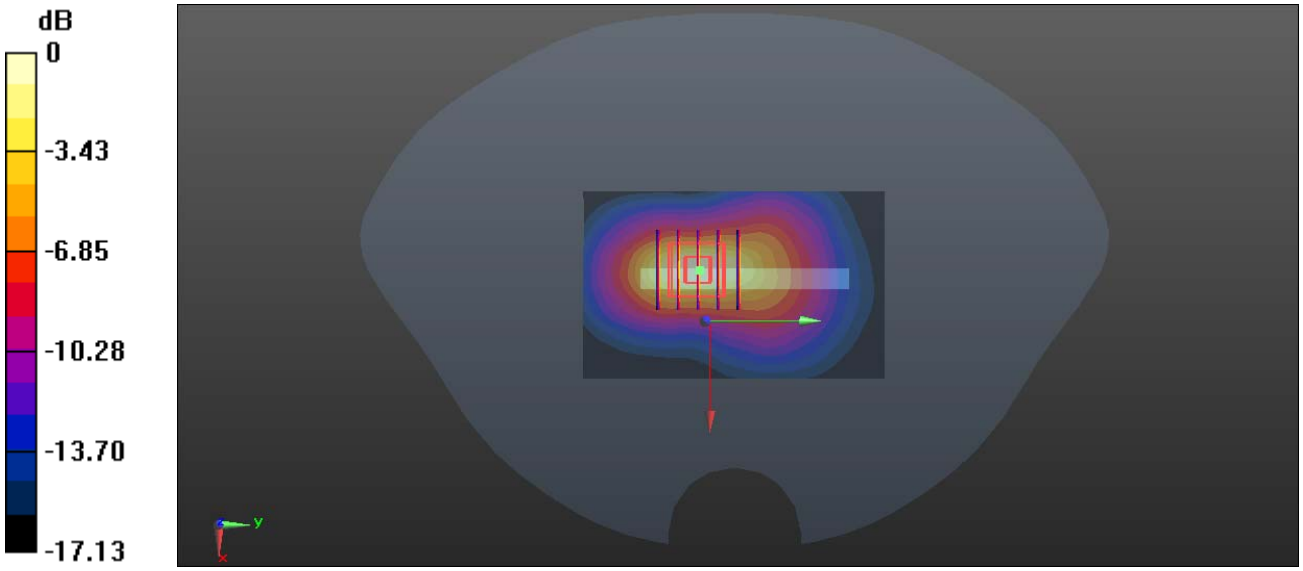
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.91 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.721 W/kg

SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.202 W/kg

Maximum value of SAR (measured) = 0.466 W/kg



0 dB = 0.466 W/kg

Meas.60 Left Head with Cheek on Low Channel in IEEE802.11b mode with Antenna7

Date: 2021.12.01

Communication System Band: WLAN(b); Frequency: 2412 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 2412 MHz; σ = 1.752 S/m; ε_r = 39.881; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

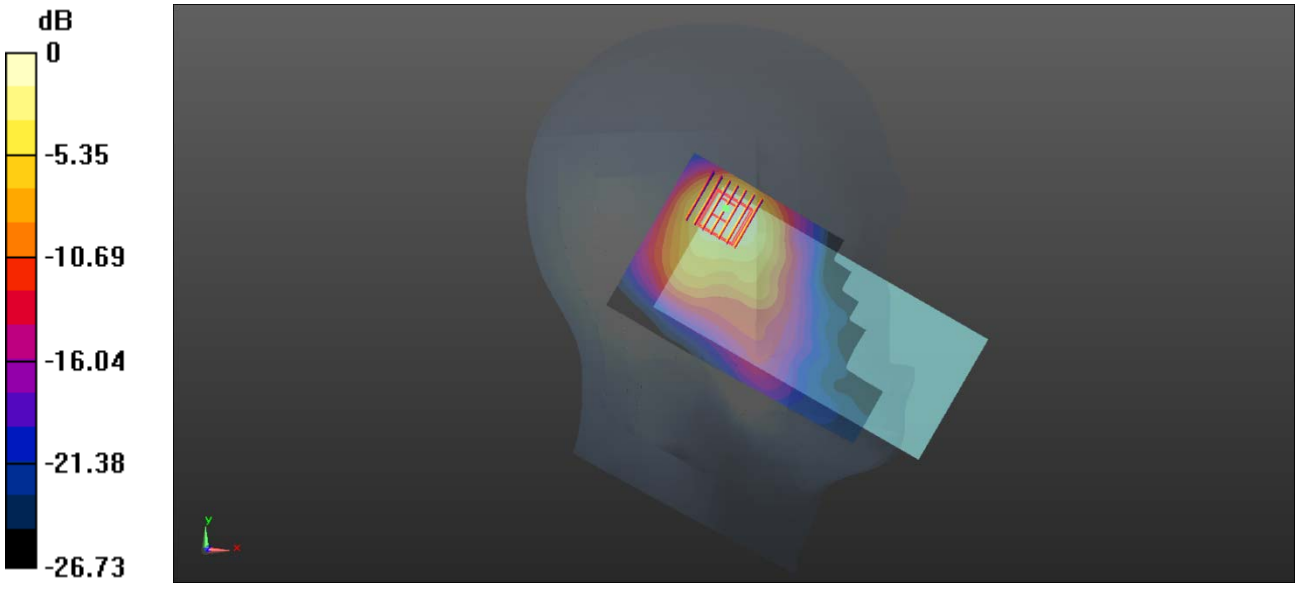
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.17 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.827 W/kg; SAR(10 g) = 0.407 W/kg

Maximum value of SAR (measured) = 0.907 W/kg



0 dB = 0.907 W/kg

Meas.61 Body Plane with Back Side 15mm on Low Channel in IEEE802.11b mode with Antenna7

Date: 2021.12.02

Communication System Band: WLAN(b); Frequency: 2412 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 2412 MHz; σ = 1.757 S/m; ε_r = 39.723; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.123 W/kg

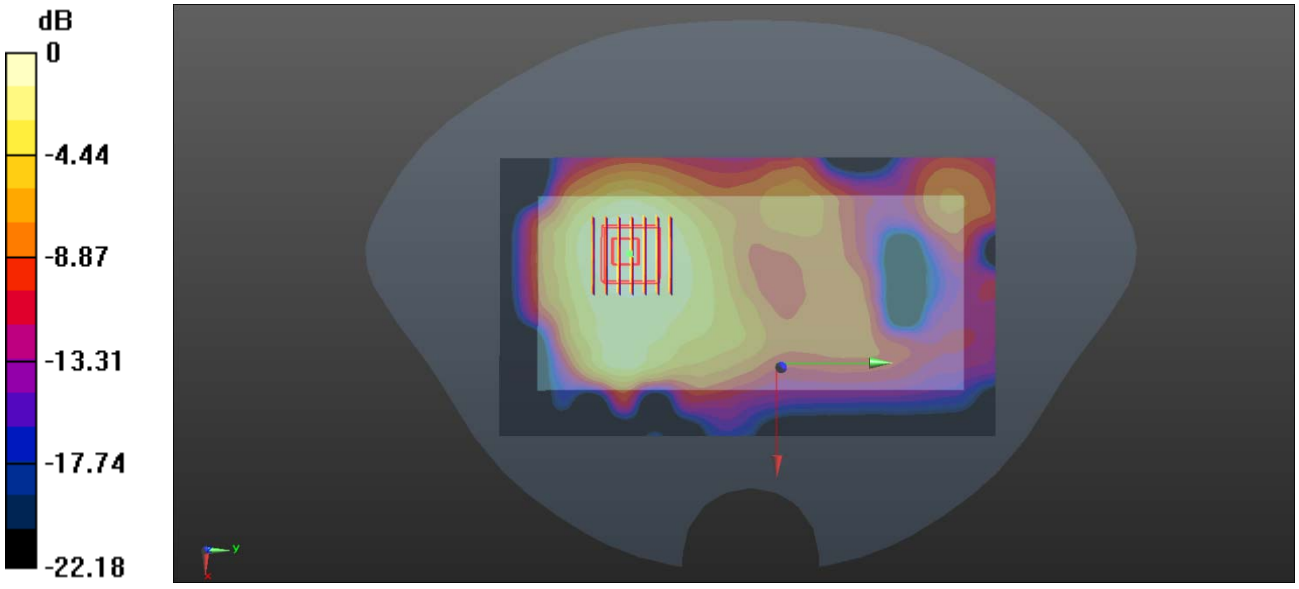
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.327 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.200 W/kg

SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.065 W/kg

Maximum value of SAR (measured) = 0.123 W/kg



0 dB = 0.123 W/kg

Meas.62 Body Plane with Top Edge 10mm on Low Channel in IEEE802.11b mode with Antenna7

Date: 2021.12.02

Communication System Band: WLAN(b); Frequency: 2412 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 2412 MHz; σ = 1.757 S/m; ε_r = 39.723; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.212 W/kg

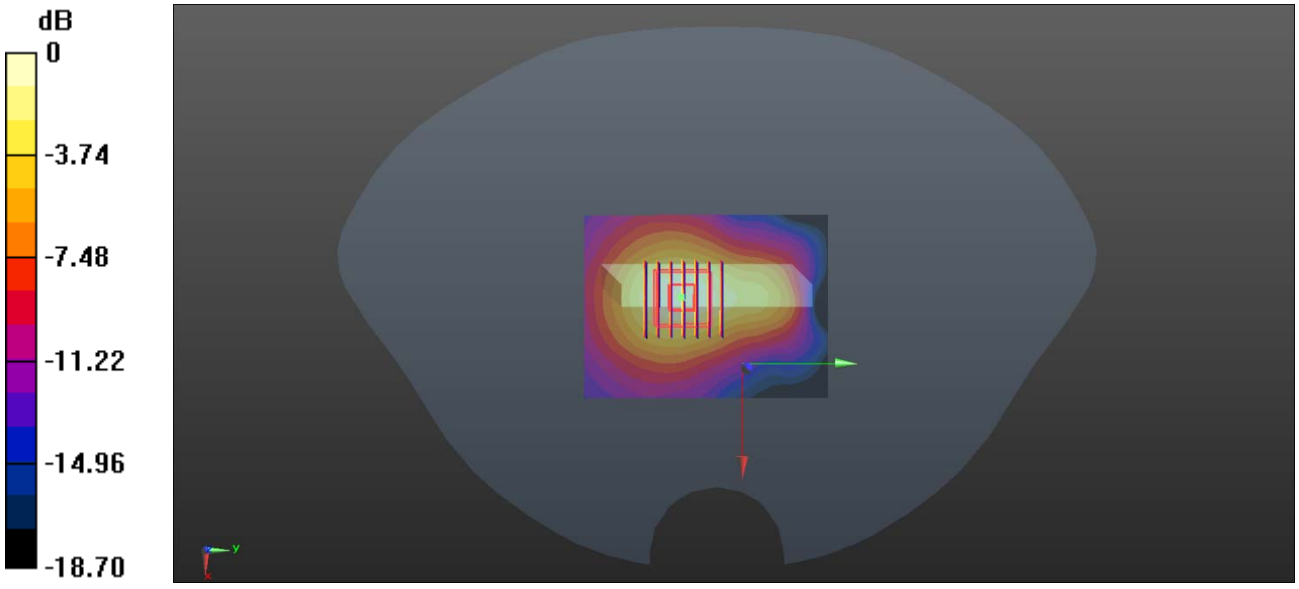
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.083 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.099 W/kg

Maximum value of SAR (measured) = 0.206 W/kg



0 dB = 0.206 W/kg

Meas.63 Left Head with Cheek on Channel 52 in IEEE802.11a mode with Antenna7

Date: 2021.12.08

Communication System Band: WLAN(a); Frequency: 5260 MHz;Duty Cycle: 1:1.05

Medium parameters used (interpolated): f = 5260 MHz; σ = 4.726 S/m; ε_r = 35.772; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch52/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

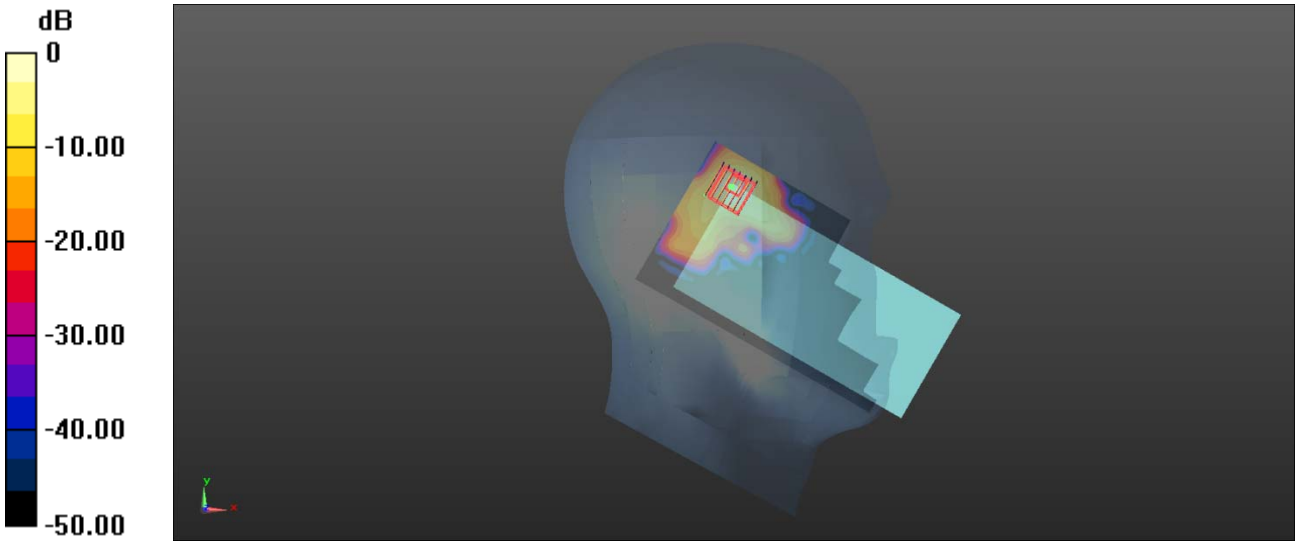
Ch52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.167 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 4.06 W/kg

SAR(1 g) = 0.796 W/kg; SAR(10 g) = 0.193 W/kg

Maximum value of SAR (measured) = 1.78 W/kg



0 dB = 1.78 W/kg

Meas.64 Left Head with Cheek on Channel 116 in IEEE802.11a mode with Antenna7

Date: 2021.12.10

Communication System Band: WLAN(a); Frequency: 5580 MHz;Duty Cycle: 1:1.05

Medium parameters used: f = 5580 MHz; σ = 5.018 S/m; ε_r = 35.35; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.88, 4.88, 4.88); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch116/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.996 W/kg

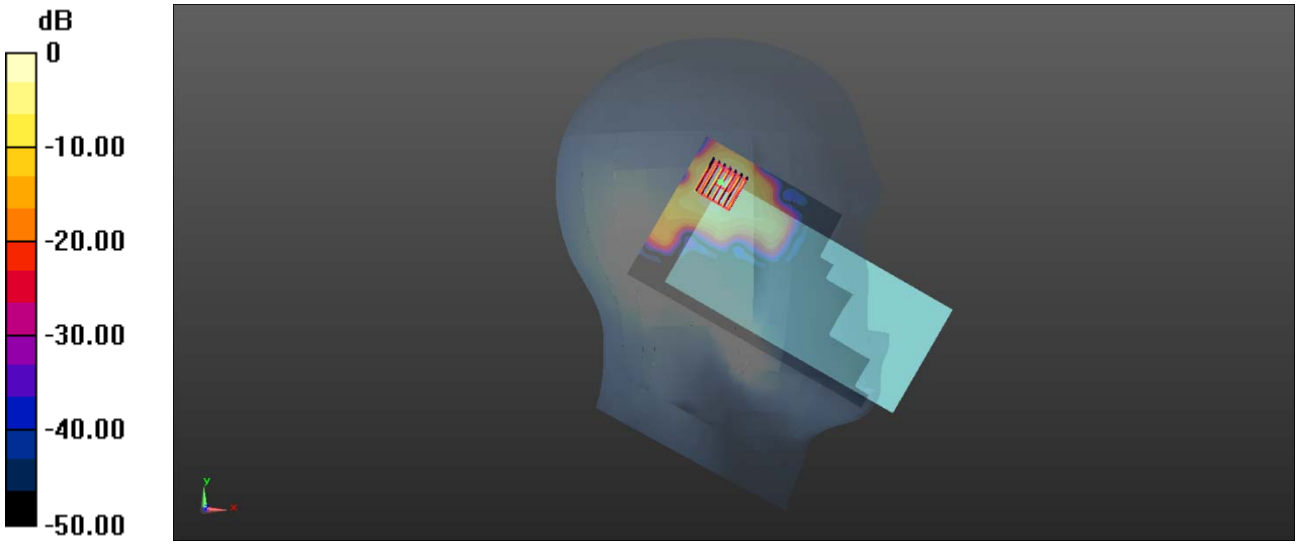
Ch116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.87 W/kg

SAR(1 g) = 0.534 W/kg; SAR(10 g) = 0.129 W/kg

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



0 dB = 1.18 W/kg

Meas.65 Left Head with Cheek on Channel 157 in IEEE802.11a mode with Antenna7

Date: 2021.12.12

Communication System Band: WLAN(a); Frequency: 5785 MHz;Duty Cycle: 1:1.05

Medium parameters used (interpolated): f = 5785 MHz; σ = 5.245 S/m; ε_r = 35.03; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.92, 4.92, 4.92); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.14 W/kg

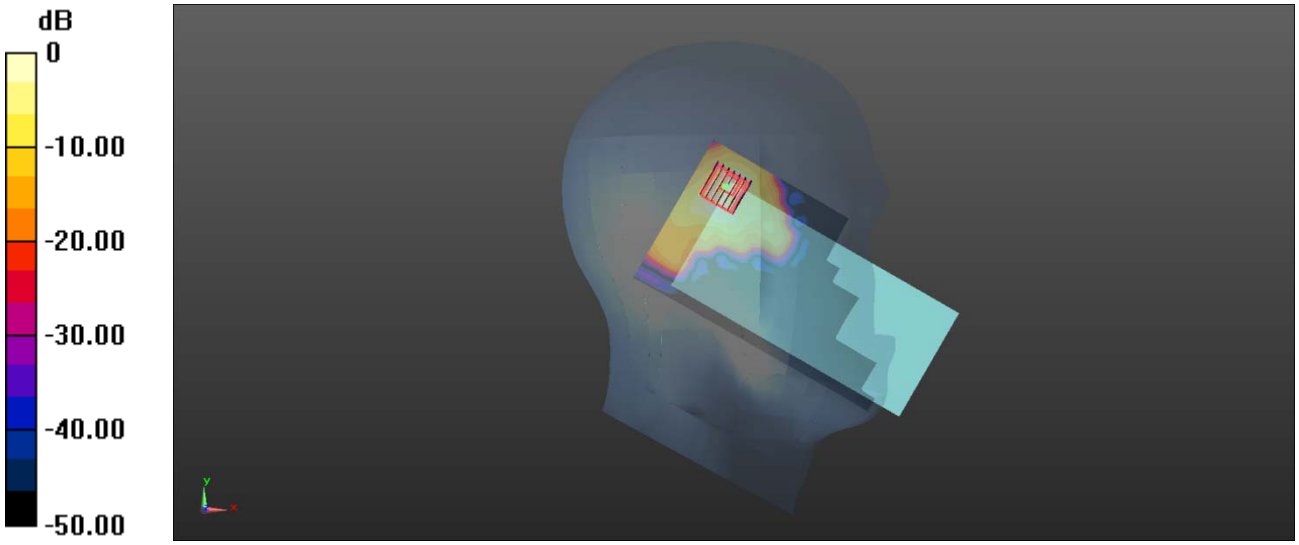
Ch157/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.49 W/kg

SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.161 W/kg

Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.28 W/kg

Meas.66 Body Plane with Back Side 15mm on 52 Channel in IEEE802.11a mode with Antenna7

Date: 2021.12.09

Communication System Band: WLAN(a); Frequency: 5260 MHz;Duty Cycle: 1:1.05

Medium parameters used (interpolated): f = 5260 MHz; σ = 4.72 S/m; ε_r = 35.702; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch52/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.564 W/kg

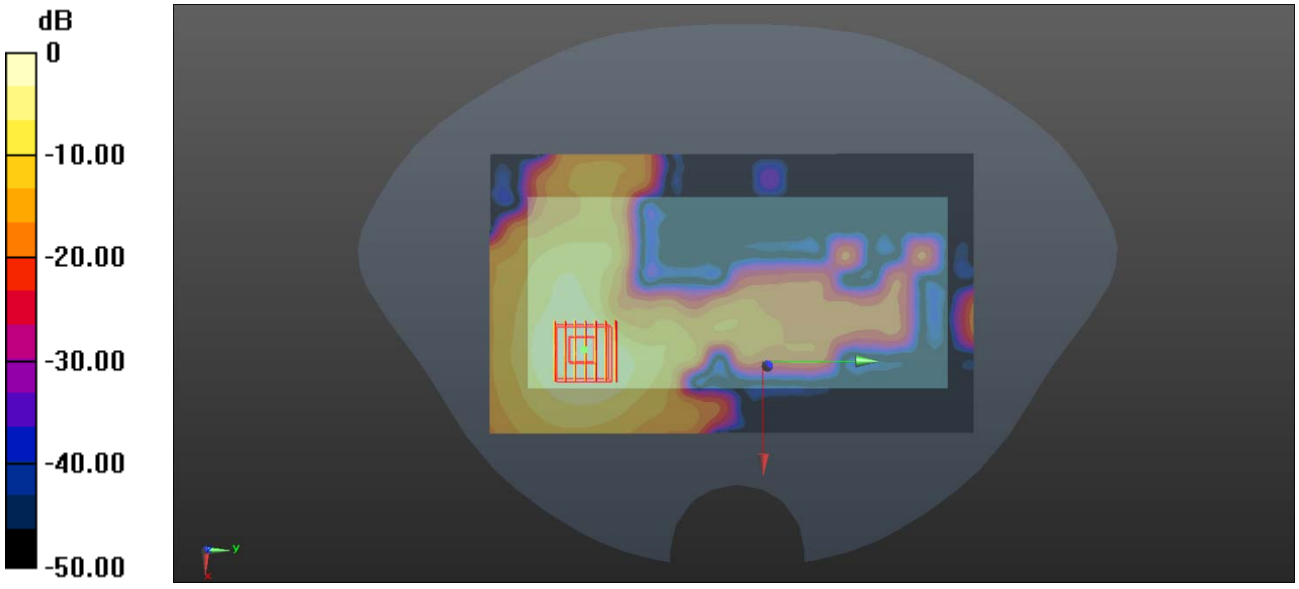
Ch52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.108 W/kg

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



0 dB = 0.572 W/kg

Meas.67 Body Plane with Back Side 15mm on 116 Channel in IEEE802.11a mode with Antenna7

Date: 2021.12.11

Communication System Band: WLAN(a); Frequency: 5580 MHz;Duty Cycle: 1:1.05

Medium parameters used: f = 5580 MHz; σ = 5.027 S/m; ε_r = 35.361; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.88, 4.88, 4.88); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch116/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

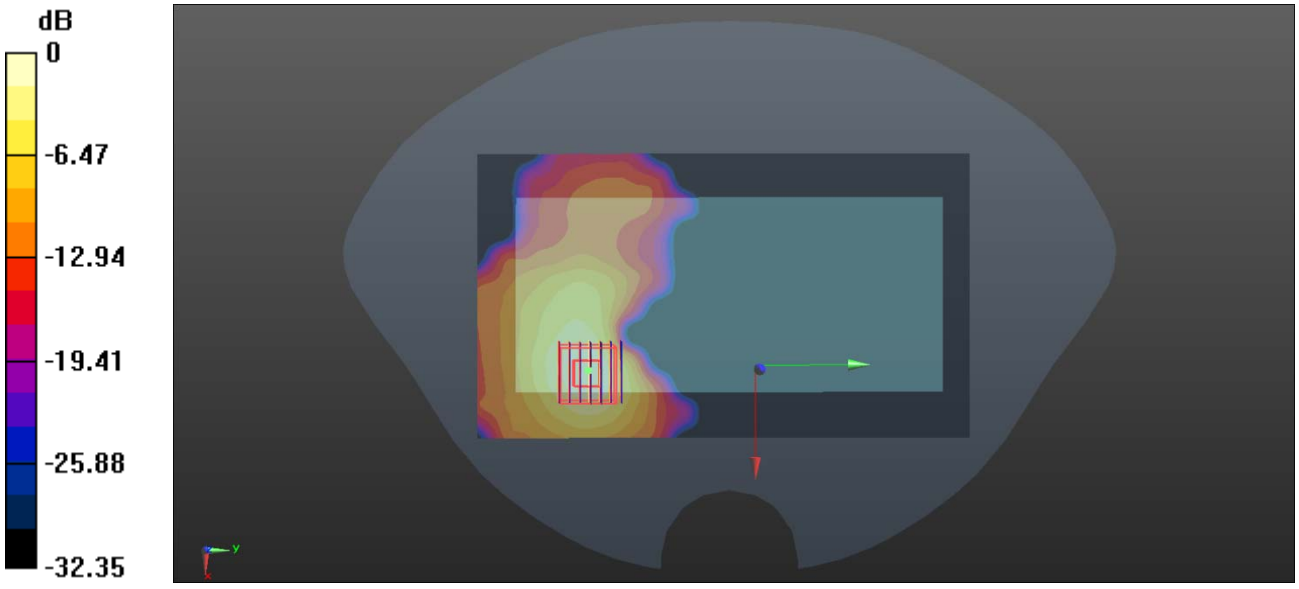
Ch116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.138 W/kg

Maximum value of SAR (measured) = 0.730 W/kg



0 dB = 0.730 W/kg

Meas.68 Body Plane with Back Side 15mm on 157 Channel in IEEE802.11a mode with Antenna7

Date: 2021.12.13

Communication System Band: WLAN(a); Frequency: 5785 MHz;Duty Cycle: 1:1.05

Medium parameters used (interpolated): f = 5785 MHz; σ = 5.238 S/m; ε_r = 35.139; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.92, 4.92, 4.92); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch165/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.982 W/kg

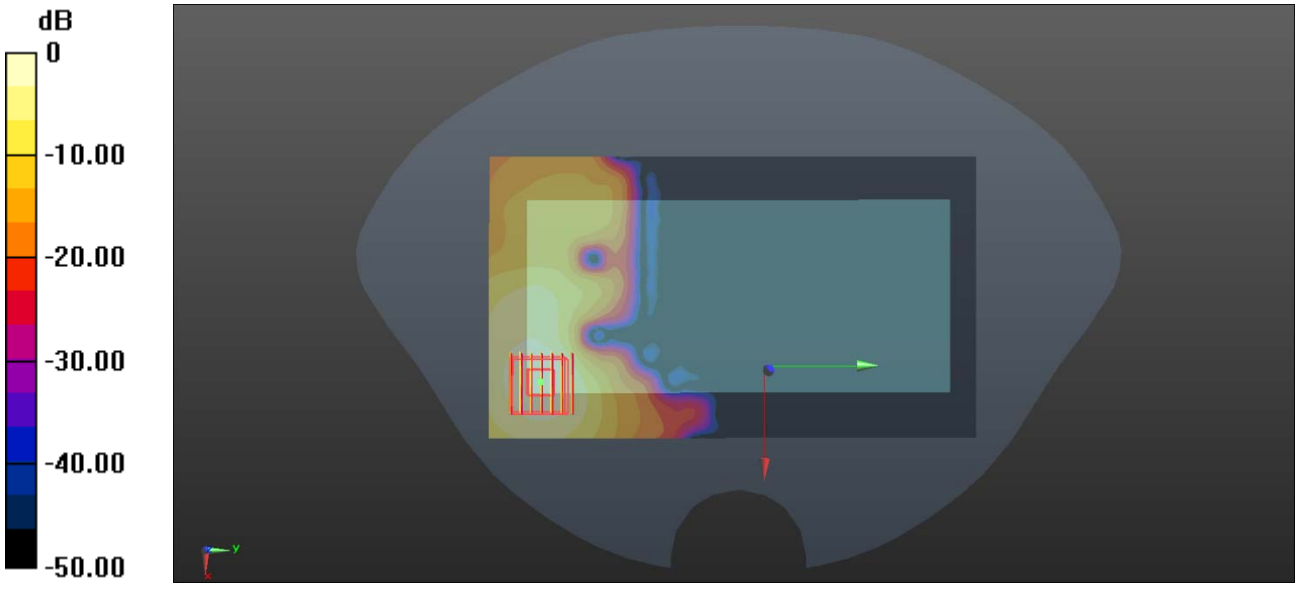
Ch165/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.189 W/kg

Maximum value of SAR (measured) = 0.963 W/kg



0 dB = 0.963 W/kg

Meas.69 Body Plane with Left Edge 10mm on 36 Channel in IEEE802.11a mode with Antenna7

Date: 2021.12.09

Communication System Band: WLAN(a); Frequency: 5180 MHz;Duty Cycle: 1:1.05

Medium parameters used (interpolated): f = 5180 MHz; σ = 4.563 S/m; ε_r = 36.744; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: PSAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch36/Area Scan (71x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.490 W/kg

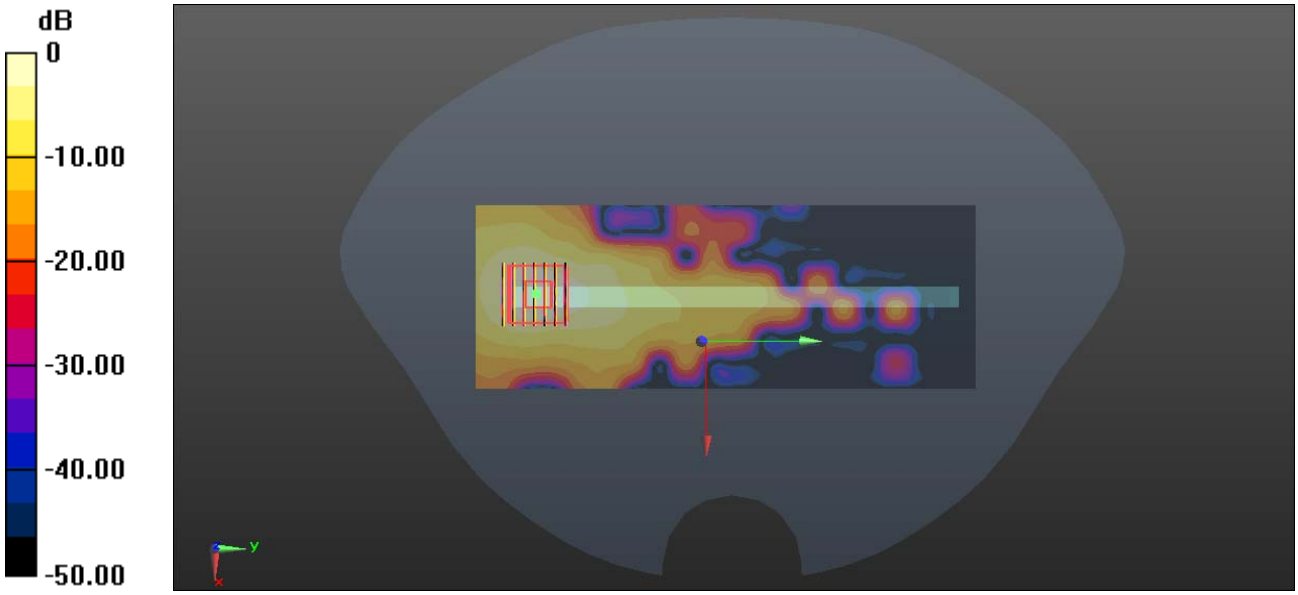
Ch36/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.790 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.919 W/kg

SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.092 W/kg

Maximum value of SAR (measured) = 0.506 W/kg



0 dB = 0.506 W/kg

Meas.70 Body Plane with Back Side 10mm on 157 Channel in IEEE802.11a mode with Antenna7

Date: 2021.12.13

Communication System Band: WLAN(a); Frequency: 5785 MHz;Duty Cycle: 1:1.05

Medium parameters used: f = 5785 MHz; σ = 5.238 S/m; ε_r = 35.139; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.92, 4.92, 4.92); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.900 W/kg

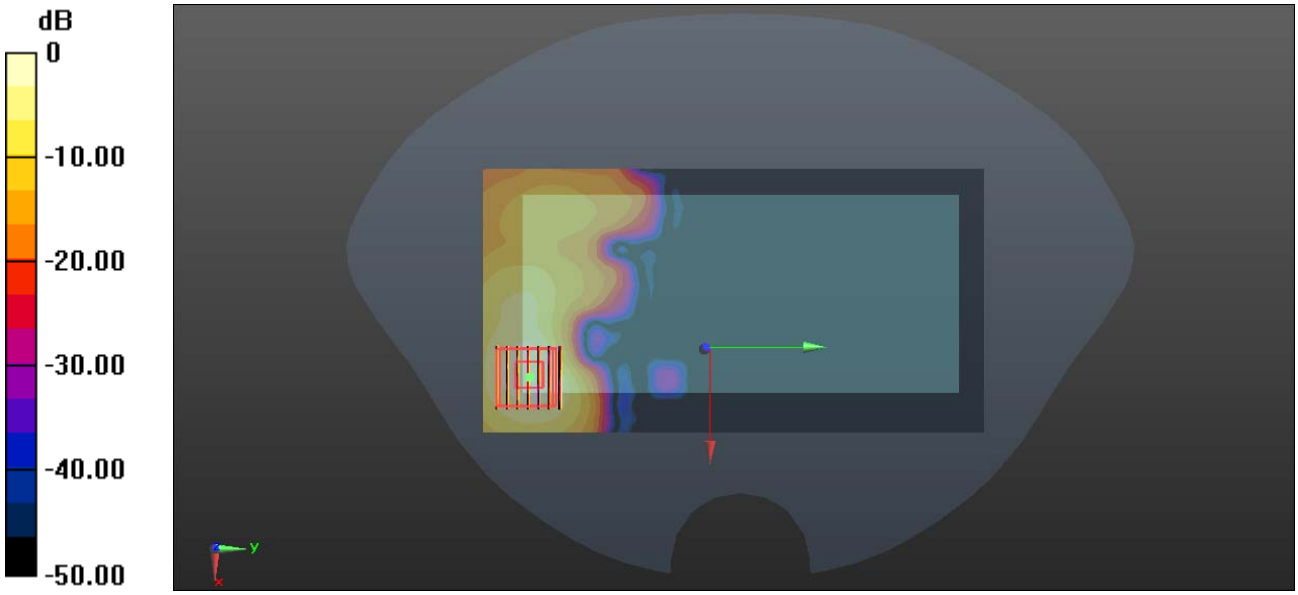
Ch157/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 0.878 W/kg



0 dB = 0.878 W/kg

Meas.71 Body Plan with Left Edge 0mm on 52 Channel in IEEE802.11a mode with Antenna7

Date: 2021.12.08

Communication System Band: WLAN(a); Frequency: 5260 MHz;Duty Cycle: 1:1.05

Medium parameters used (interpolated): f = 5260 MHz; σ = 4.726 S/m; ε_r = 35.772; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch52/Area Scan (71x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 15.6 W/kg

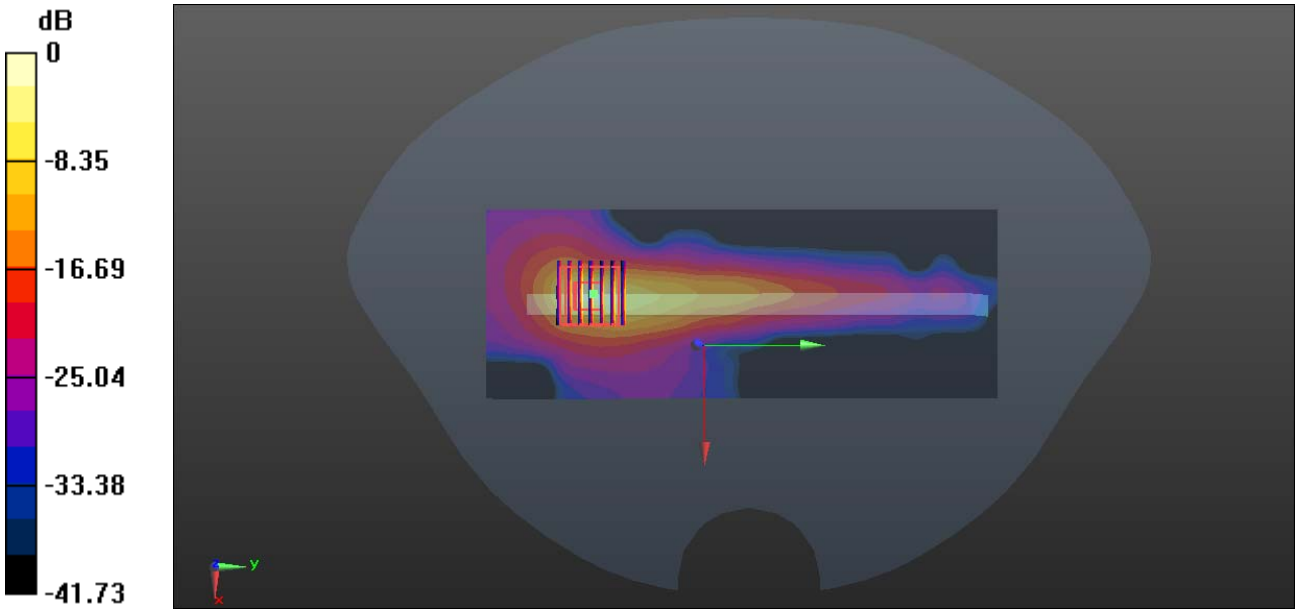
Ch52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.01 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 41.1 W/kg

SAR(1 g) = 6.34 W/kg; SAR(10 g) = 1.37 W/kg

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



0 dB = 17.2 W/kg

Meas.72 Body Plane with Top Edge 0mm on 140 Channel in IEEE802.11a mode with Antenna7

Date: 2021.12.11

Communication System Band: WLAN(a); Frequency: 5700 MHz;Duty Cycle: 1:1.05

Medium parameters used: f = 5700 MHz; σ = 5.218 S/m; ε_r = 33.911; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.88, 4.88, 4.88); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch140/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 7.56 W/kg

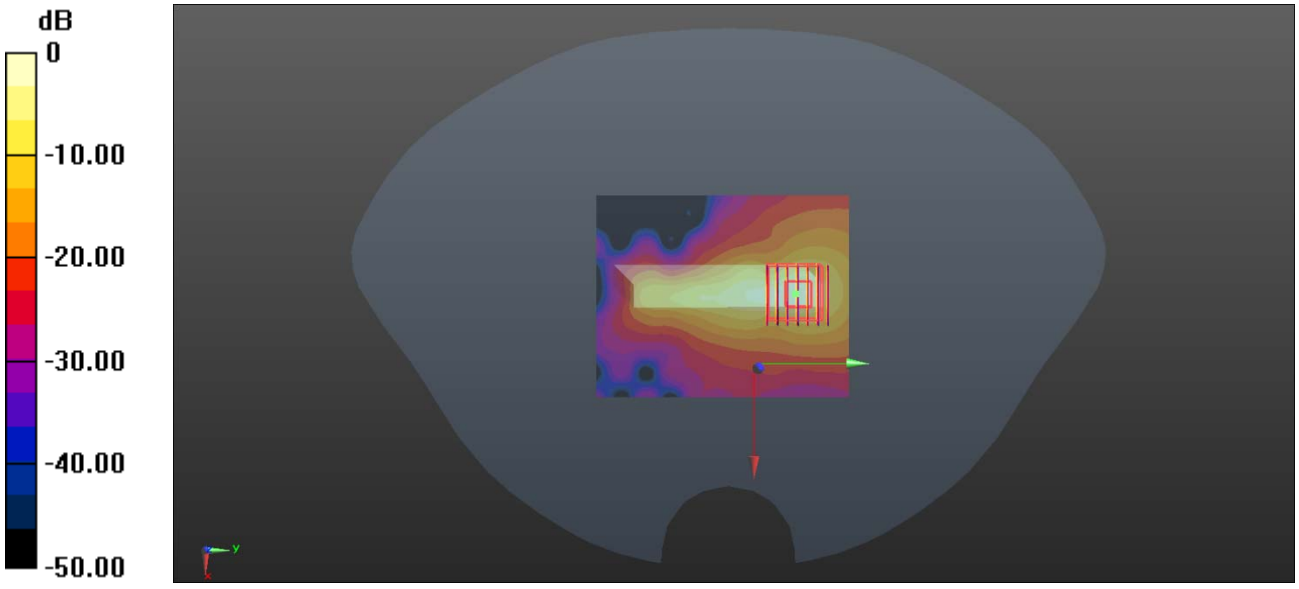
Ch140/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 14.96 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 16.9 W/kg

SAR(1 g) = 3.07 W/kg; SAR(10 g) = 0.807 W/kg

Maximum value of SAR (measured) = 7.44 W/kg



0 dB = 7.44 W/kg

Meas.73 Left Head with Cheek on Middle Channel in Bluetooth mode with Antenna7

Date: 2021.12.01

Communication System Band: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1.304

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.787 S/m; ε_r = 39.711; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

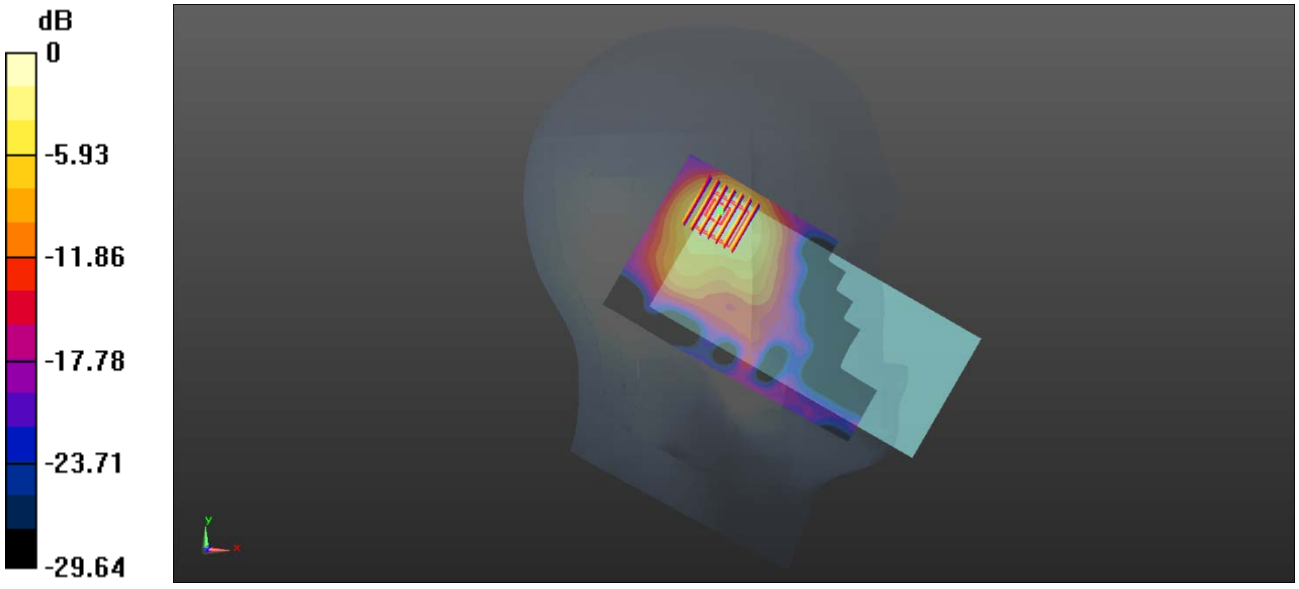
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.857 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.307 W/kg

SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.064 W/kg

Maximum value of SAR (measured) = 0.161 W/kg



0 dB = 0.161 W/kg

Meas.74 Body Plane with Back Side 15mm on Middle Channel in Bluetooth mode with Antenna7

Date: 2021.12.02

Communication System Band: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1.304

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.792 S/m; ε_r = 39.544; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0265 W/kg

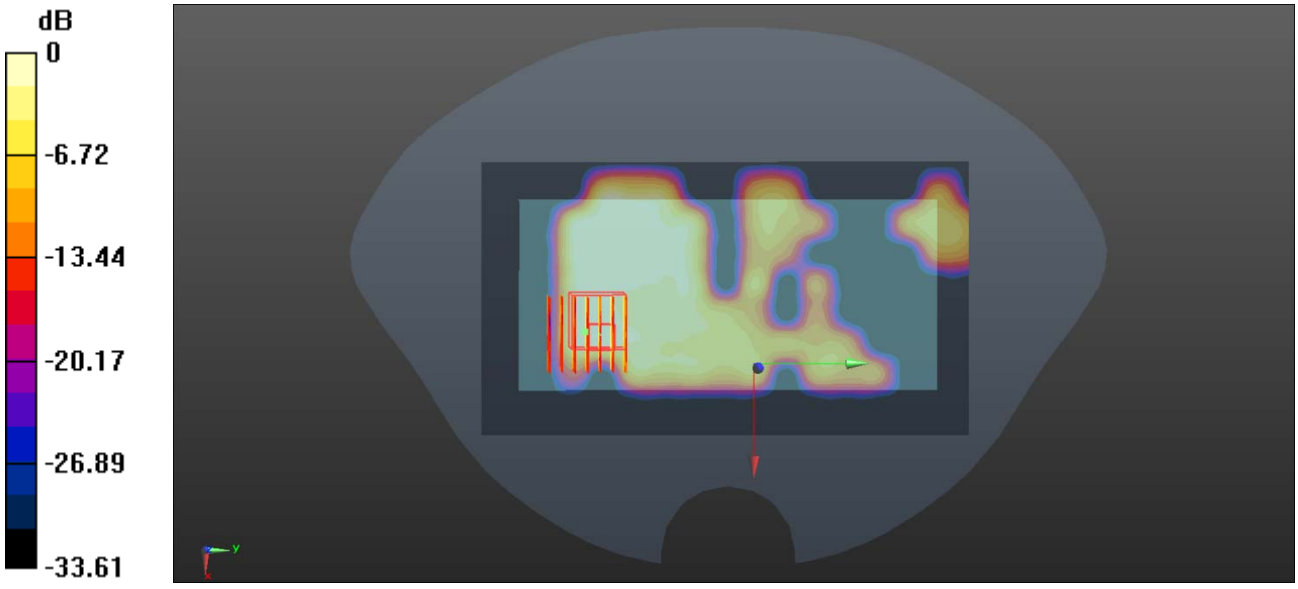
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.0370 W/kg

SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00547 W/kg

Maximum value of SAR (measured) = 0.0166 W/kg



0 dB = 0.0166 W/kg

Meas.75 Body Plane with Top Edge 10mm on Middle Channel in Bluetooth mode with Antenna7

Date: 2021.12.02

Communication System Band: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1.304

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.792 S/m; ε_r = 39.544; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (51x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0298 W/kg

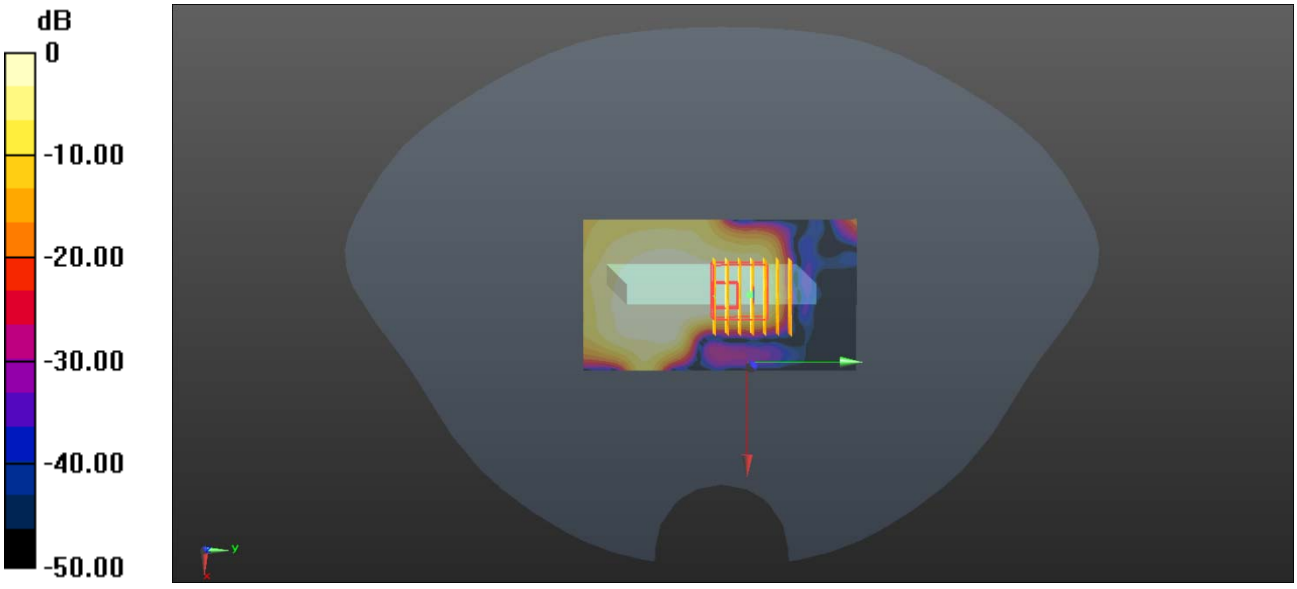
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.959 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.0430 W/kg

SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00663 W/kg

Maximum value of SAR (measured) = 0.0196 W/kg



0 dB = 0.0196 W/kg

Meas.76 Right Head with Tilt on PCC21100+SCC21298 Channel in LTE Band 7 mode with ANT.1

Date: 2021.11.27

Communication System Band: Band7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.896 S/m; ε_r = 38.881; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100+21298/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.590 W/kg

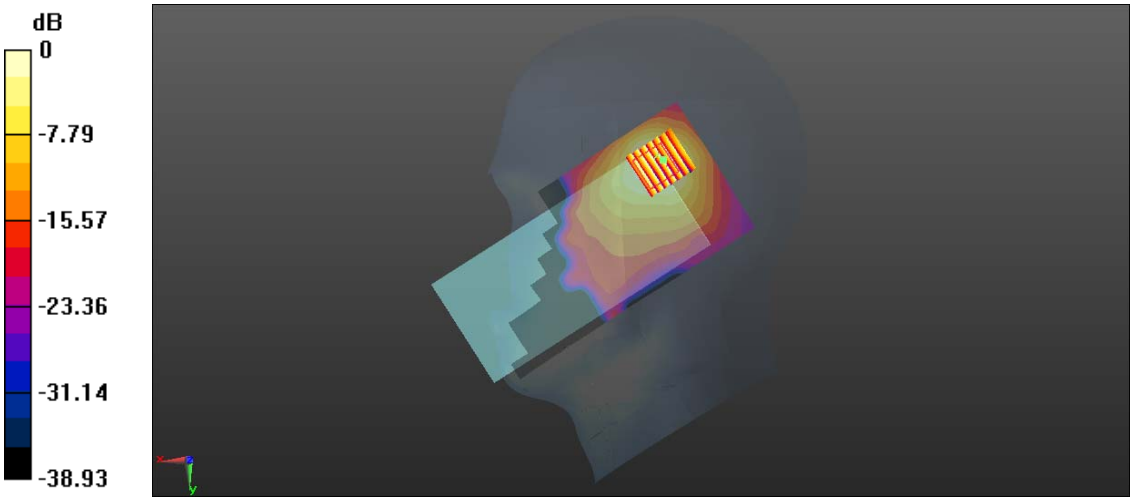
Ch21100+21298/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.056 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.989 W/kg

SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.190 W/kg

Maximum value of SAR (measured) = 0.439 W/kg



0 dB = 0.439 W/kg

Meas.77 Body Plane with Back Side 15mm on PCC21100+SCC21298 Channel in LTE Band 7 mode with ANT.0

Date: 2021.11.28

Communication System Band: Band7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.901 S/m; ε_r = 38.876; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100+21298/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.273 W/kg

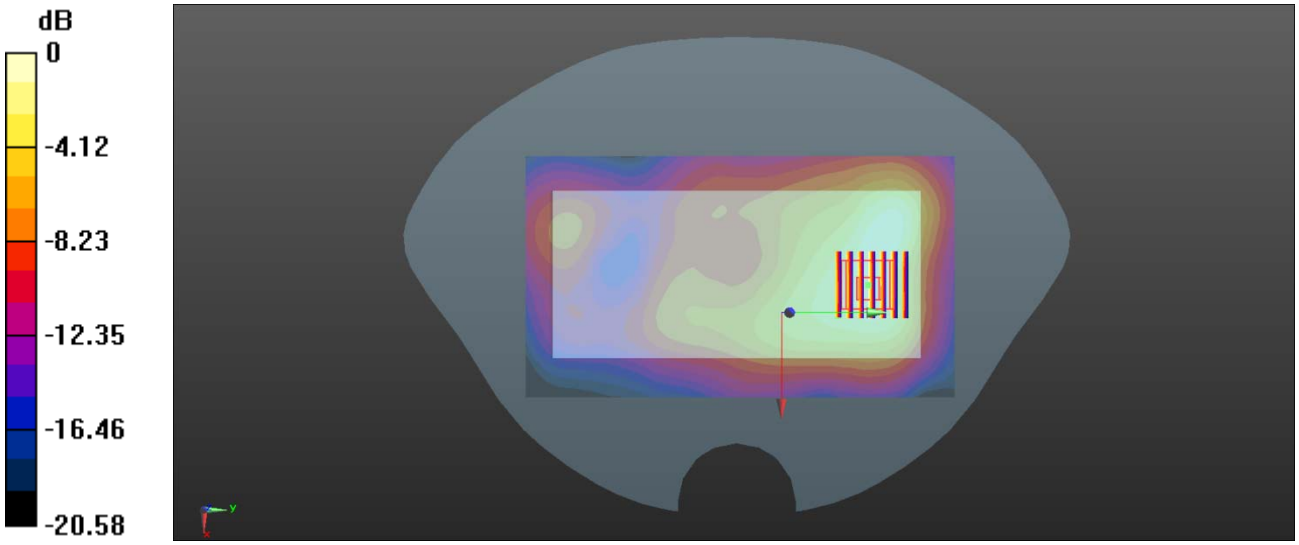
Ch21100+21298/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.416 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.435 W/kg

SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.268 W/kg



0 dB = 0.268 W/kg

Meas.78 Body Plan with Back Side 10mm on PCC21100+SCC21298 Channel in LTE Band 7 mode with ANT.0

Date: 2021.11.28

Communication System Band: Band7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.901 S/m; ε_r = 38.876; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100+21298/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

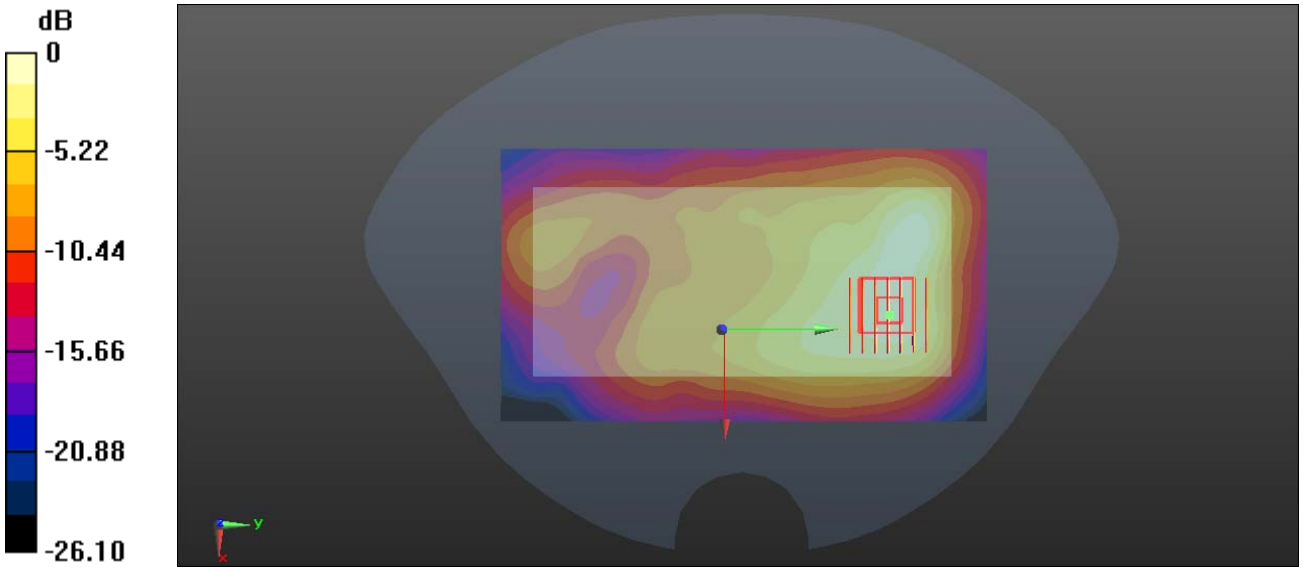
Ch21100+21298/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.064 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.911 W/kg

SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.289 W/kg

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



0 dB = 0.578 W/kg

Meas.79 Right Head with Cheek on PCC38099+SCC37901 Channel in LTE Band 38 mode with ANT.1

Date: 2021.11.29

Communication System Band: Band38; Frequency: 2589.9 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2589.9 MHz; σ = 1.965 S/m; ε_r = 38.633; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38099+37901/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

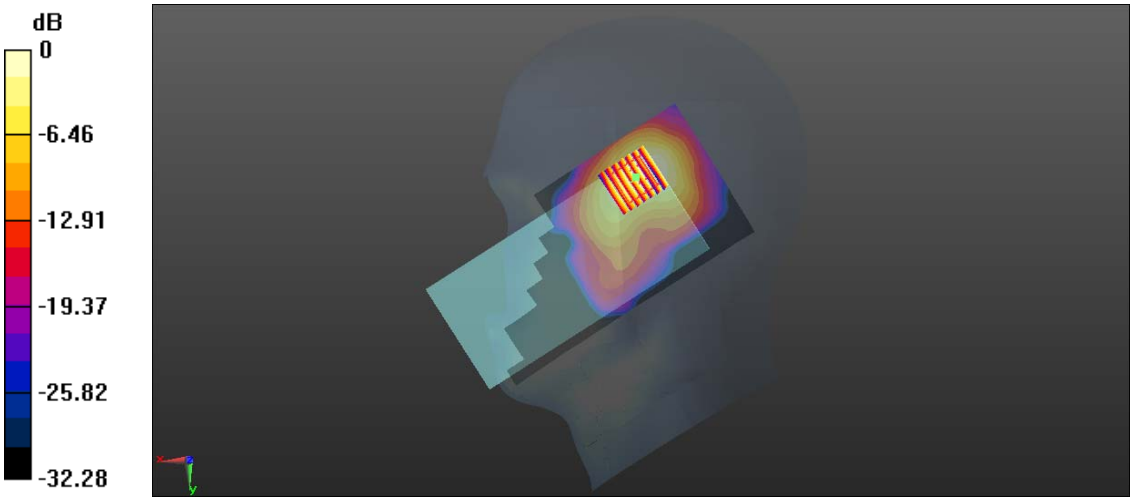
Ch38099+37901/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.806 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.989 W/kg

SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.262 W/kg

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



0 dB = 0.602 W/kg

Meas.80 Body Plan with Back Side 15mm on PCC37850+SCC38048 Channel in LTE Band 38 mode with ANT.0

Date: 2021.11.29

Communication System Band: Band38; Frequency: 2580 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.951 S/m; ε_r = 38.695; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850+38048/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.244 W/kg

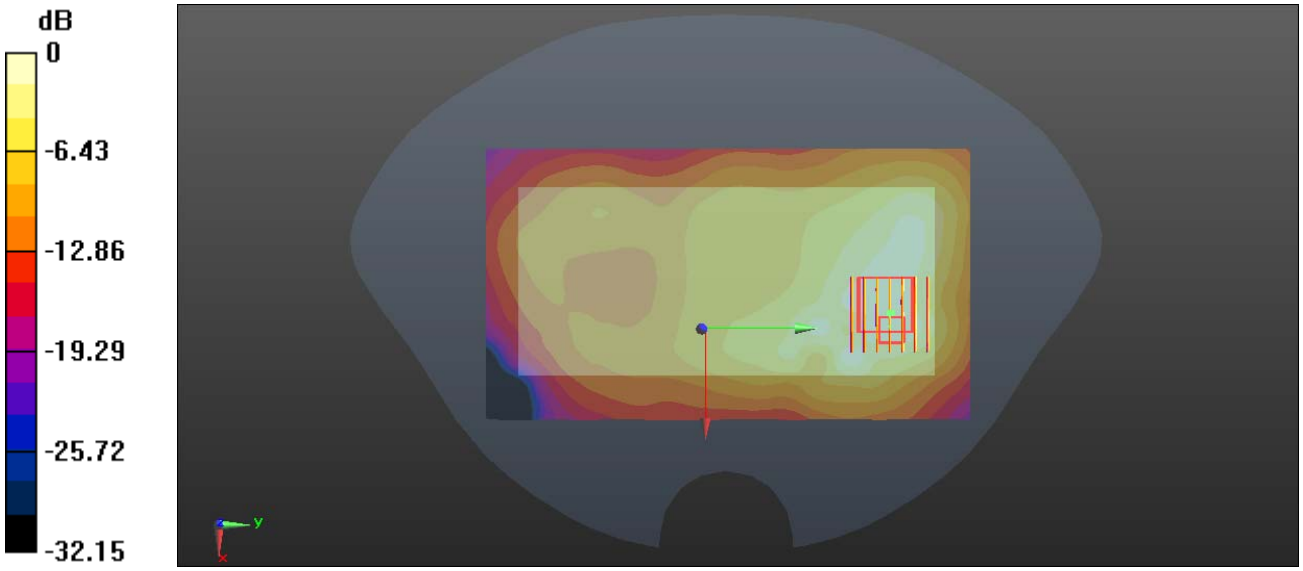
Ch37850+38048/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.611 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.463 W/kg

SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.231 W/kg



0 dB = 0.231 W/kg

Meas.81 Body Plan with Back Side 10mm on PCC37850+SCC38048 Channel in LTE Band 38 mode with ANT.0

Date: 2021.11.29

Communication System Band: Band38; Frequency: 2580 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.951 S/m; ε_r = 38.695; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850+38048/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.402 W/kg

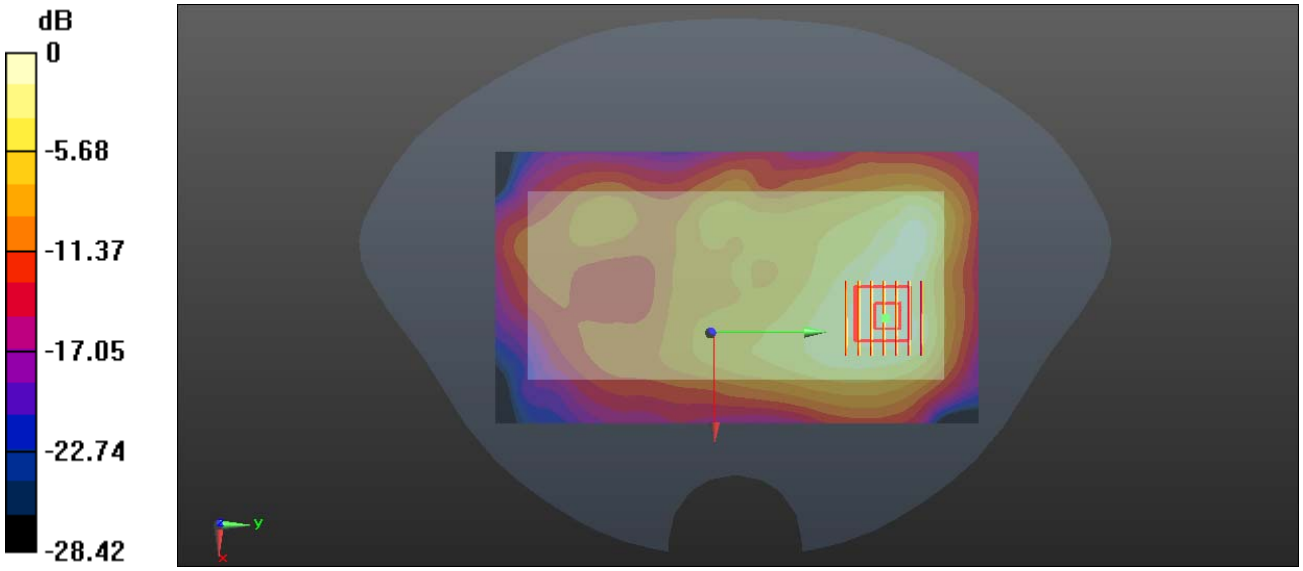
Ch37850+38048/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.659 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.642 W/kg

SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.198 W/kg

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



0 dB = 0.397 W/kg

Meas.82 Right Head with Cheek on PCC40620+SCC40818 Channel in LTE Band 41 mode with ANT.1

Date: 2021.11.30

Communication System Band: Band41; Frequency: 2593 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2593 MHz; σ = 1.969 S/m; ε_r = 38.665; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620+40818/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

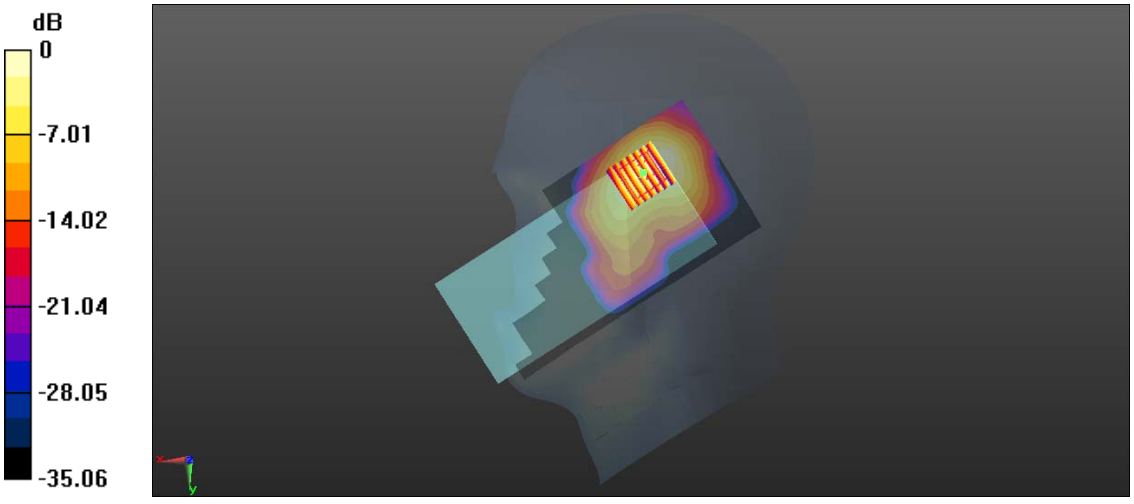
Ch40620+40818/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.482 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.974 W/kg

SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.259 W/kg

Maximum value of SAR (measured) = 0.594 W/kg



0 dB = 0.594 W/kg

Meas.83 Body Plan with Back Side 15mm on PCC41055+SCC40857 Channel in LTE Band 41 mode with ANT.0

Date: 2021.11.30

Communication System Band: Band41; Frequency: 2636.5 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2636.5 MHz; σ = 1.987 S/m; ε_r = 38.486; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41055+40857/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.213 W/kg

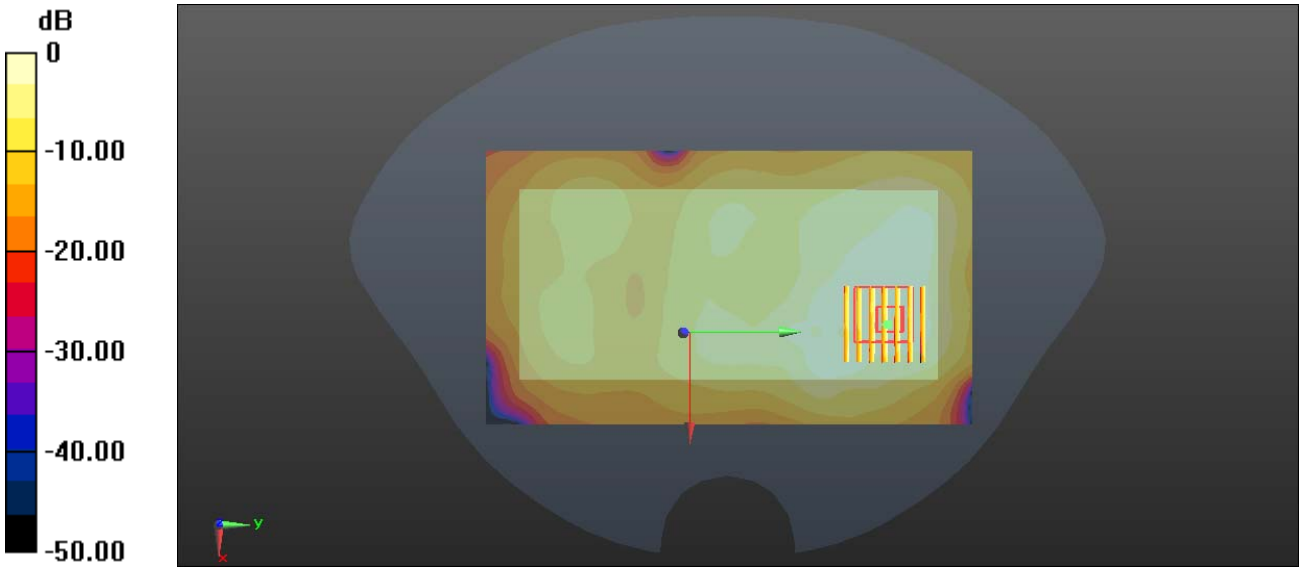
Ch41055+40857/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.453 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.347 W/kg

SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.099 W/kg

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



0 dB = 0.201 W/kg

Meas.84 Body Plan with Back Side 10mm on PCC41055+SCC40857 Channel in LTE Band 41 mode with ANT.0

Date: 2021.11.30

Communication System Band: Band41; Frequency: 2636.5 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2636.5 MHz; σ = 1.987 S/m; ε_r = 38.486; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41055+40857/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

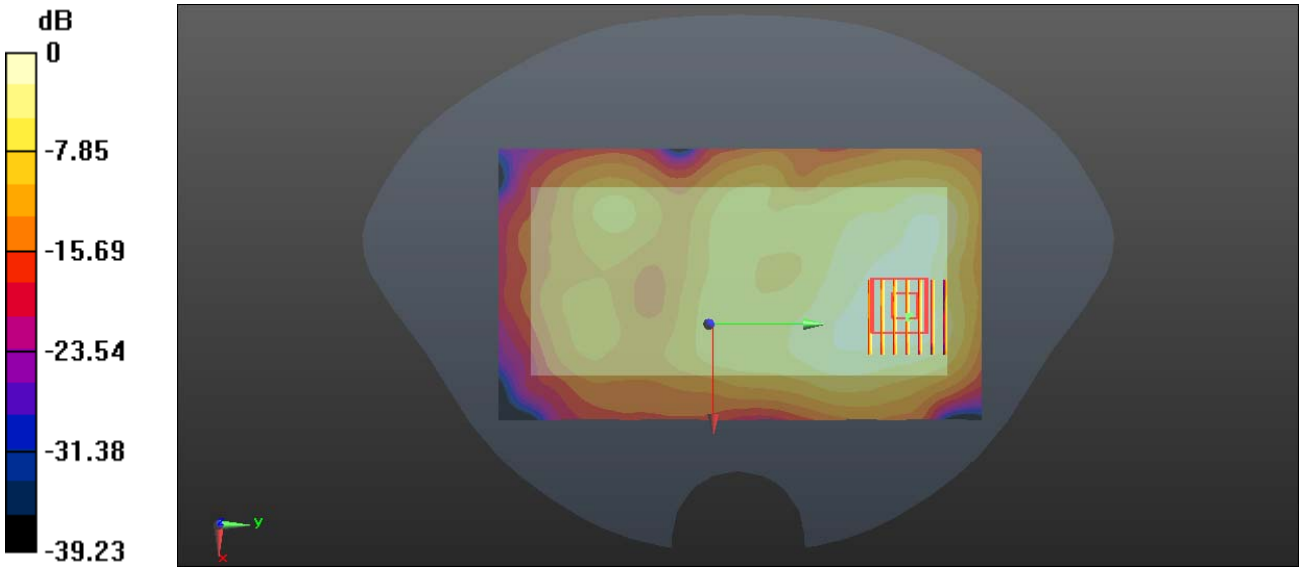
Ch41055+40857/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.825 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.573 W/kg

SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.173 W/kg

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



0 dB = 0.350 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ21A0580-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ21A0580-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “CALIBRATION REPORT.pdf”.

--END OF REPORT--