TEST REPORT

Applicant:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address:	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China.
Equipment Type:	Mobile Phone
Model Name:	RMX3612
Brand Name:	realme
FCC ID:	2AUYFRMX3612
Test Standard:	FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Head (1 g): 1.19 W/kg Body (1 g): 0.77 W/kg Hotspot (1 g): 0.99 W/kg Specific (10 g): 1.57 W/kg
Test Date:	Jun. 01, 2022 – Jul. 12, 2022
Date of Issue:	Jul. 18, 2022

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Zhang Jiwei **Checked by:** Zong Liyao **Approved by:** Liao Jianming (Technical Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Jul. 18, 2022	Initial Issue

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1 GENERAL INFORMATION

1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe West Road, Nanshan District, ShenZhen, GuangDong Province, China
Phone Number	+86 755 6685 0100

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe West Road, Nanshan District, ShenZhen, GuangDong Province, 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, 1/F, Baisha Science and Technology Park, Shahe West Road, Nanshan District, ShenZhen, GuangDong Province, China

1.3 Test Environment Condition

Ambient Temperature	20.5℃ to 23℃
Ambient Relative Humidity	49% to 60%

2 PRODUCT INFORMATION

2.1 Applicant Information

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

2.2 Manufacturer Information

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

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	RMX3612
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	realme UI V3.0
Dimensions (Approx.)	164.4*75.1*8.1(mm)
Weight (Approx.)	187g
EUT ID	S01; S02; S03
IMEI Number	S01: 860789060037717
	S02: 860789060037758
	S03: 860789060023014
Note1: EUT ID is used to identify the test sample in the lab internally. Note2: It is performed to test SAR with the EUT S01 and S02 and conducted power with the EUT S03.	

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery 1	
	Brand Name	realme
	Model No.	BLP877 (DESAY)
	Serial No.	N/A
	Capacity	4890mAh/18.92 Wh (Rated) 5000mAh/19.35 Wh (Typical)
	Rated Voltage	3.87 V
	Limited Voltage	4.45 V
Ancillary Equipment 2	Battery 2	
	Brand Name	realme
	Model No.	BLP877 (NVT)
	Serial No.	N/A
	Capacity	4890mAh/18.92 Wh (Rated) 5000mAh/19.35 Wh (Typical)
	Rated Voltage	3.87 V
	Limited Voltage	4.45 V
Ancillary Equipment 3	Battery 3	
	Brand Name	realme
	Model No.	BLP877 (TWS)
	Serial No.	N/A
	Capacity	4890mAh/18.92 Wh (Rated) 5000mAh/19.35 Wh (Typical)
	Rated Voltage	3.87 V
	Limited Voltage	4.45 V
Note: The EUT has three Batterys, they are same with electrical parameters, but only differ in Manufacturer and battery cell. By comparing the test data of three Batteries, battery 1 can produce a more conservative SAR values. The battery of the Manufacturer is BLP877 (DESAY) as the main for test in this report.		

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA/HSPA+ Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/13/17/26/66 TDD LTE Band 38/41 CA Uplink (UL): CA_7C, CA_38C, CA_41C 5G Network SA: NR n5/n7/n38/n41/n66 NSA(EN-DC): DC_7A_n5A, DC_66A_n5A, DC_5A_n7A, DC_66A_n7A, DC_26A_n41A Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) and VHT20/40 5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3
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, 2.4G WLAN, 5G WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 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
	n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	n66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	802.11b/g	2412 ~ 2462 MHz	

	/n(HT20/HT40)	
	802.11 VHT20/40	2412 ~ 2462 MHz
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40 /VHT80)	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	Bluetooth	2402 ~ 2480 MHz
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna	
DTM	N/A	
Hotspot Function	Support	
Power Reduction	Support	
Exposure Category	General Population/Uncontrolled exposure	
EUT Stage	Portable Device	
Product	Type	
	☒ 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 8.7.		

3 SUMMARY OF TEST RESULT

3.1 Test Standards

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

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR (1 g Value)

Band	Maximum Scaled SAR (W/kg)			Maximum Report SAR (W/kg)		
	Head	Body-worn Accessory	Hotspot	Head	Body-worn Accessory	Hotspot
GSM 850	1.16	0.25	0.41	1.19	0.77	0.99
GSM 1900	1.07	0.51	0.95			
WCDMA Band 2	1.18	**0.77**	0.66			
WCDMA Band 4	1.14	0.33	0.53			
WCDMA Band 5	1.00	0.18	0.29			
LTE Band 2	**1.19**	0.44	0.72			
LTE Band 4	1.19	0.22	0.42			
LTE Band 5	0.95	0.17	0.24			
LTE Band 7	0.61	0.27	0.49			
LTE Band 12	0.40	0.20	0.25			
LTE Band 13	0.43	0.10	0.14			
LTE Band 17	0.35	0.22	0.27			
LTE Band 26	1.05	0.14	0.22			
LTE Band 66	1.17	0.26	0.61			
LTE Band 38	0.68	0.23	0.43			
LTE Band 41	0.62	0.21	0.40			
NR 5	0.71	0.08	0.13			
NR 7	0.46	0.23	0.34			
NR 38	0.49	0.33	0.61			
NR 41	0.61	0.28	0.74			
NR 66	0.80	0.23	0.53			
2.4G WLAN	0.63	0.14	0.24			
5.2G WLAN	/	/	0.49			
5.3G WLAN	1.19	0.23	/			
5.6G WLAN	0.55	0.46	/			
5.8G WLAN	1.17	0.56	**0.99**			
Bluetooth	0.38	0.04	0.07			
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	
5.3G WLAN	1.02	1.57
5.6G WLAN	**1.57**	
Limit (W/kg)	4.0	4.0
Verdict	Pass	

3.3.3 Highest Simultaneous SAR

Note: The highest simultaneous SAR please refer section 13.

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.19 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.
The maximum 10 g SAR for the EUT in this report is 1.57 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

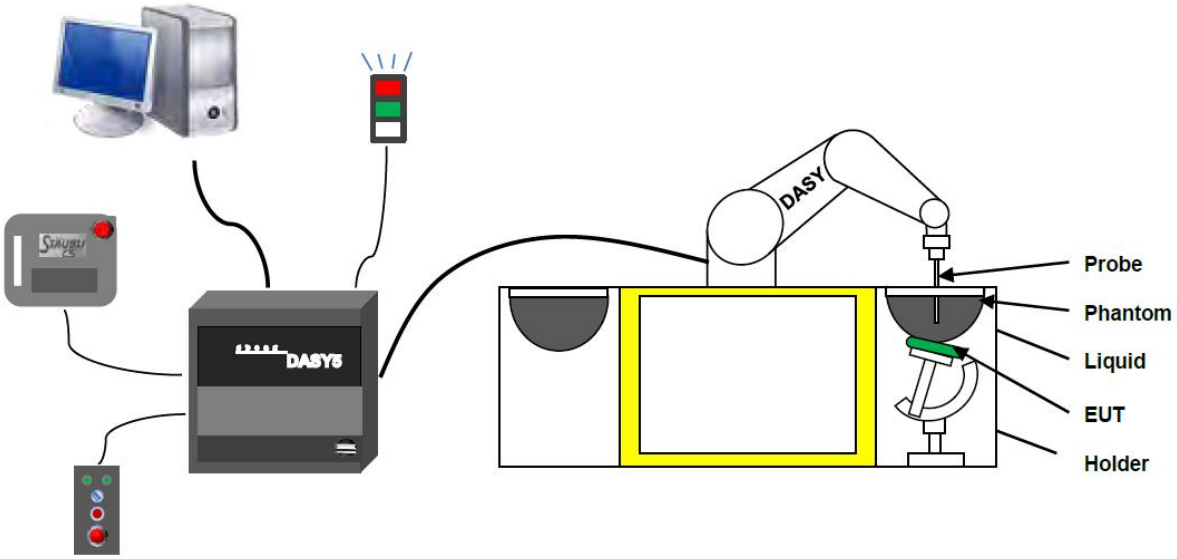
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^{2}}{\boldsymbol{\rho}}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



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

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

4.2.2 Robot

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

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

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN: 3717 & EX3DV4-SN: 7663 with following specifications is used.

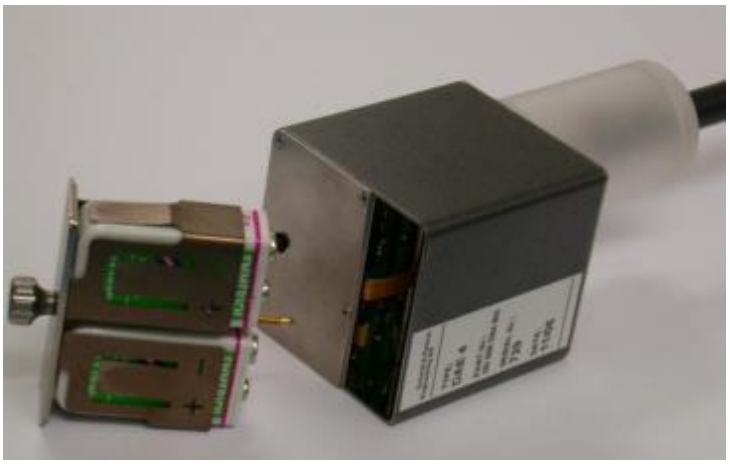
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz;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

E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

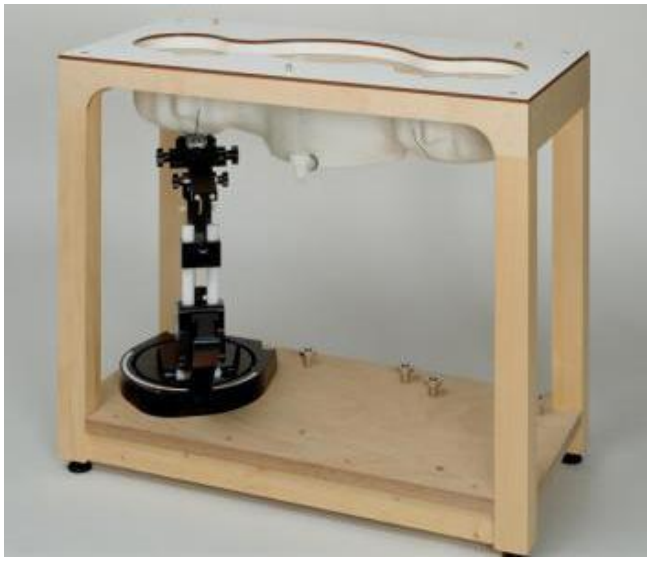
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



- Left hand
- Right hand
- Flat phantom

Photo of Phantom SN1857			
			
Serial Number	**Material**	**Length**	**Height**
SN 1857 SAM1	Vinylester, glass fiber reinforced	1000	500

4.2.6 Device Holder

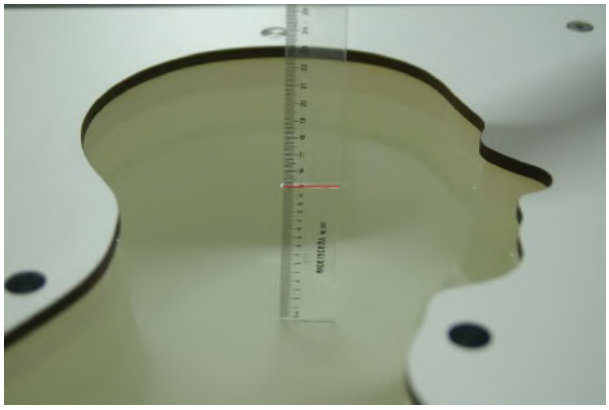
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65°. The bottom plate contains three pair of bolts for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

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

4.2.7 Simulating Liquid

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

Head Liquid Depth



Body Liquid Depth

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

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

		(%)	(%)	σ (S/m)	ε
5200	78.60	21.40	/	5.54	47.86
5800	78.50	21.40	0.1	6.0	48.20

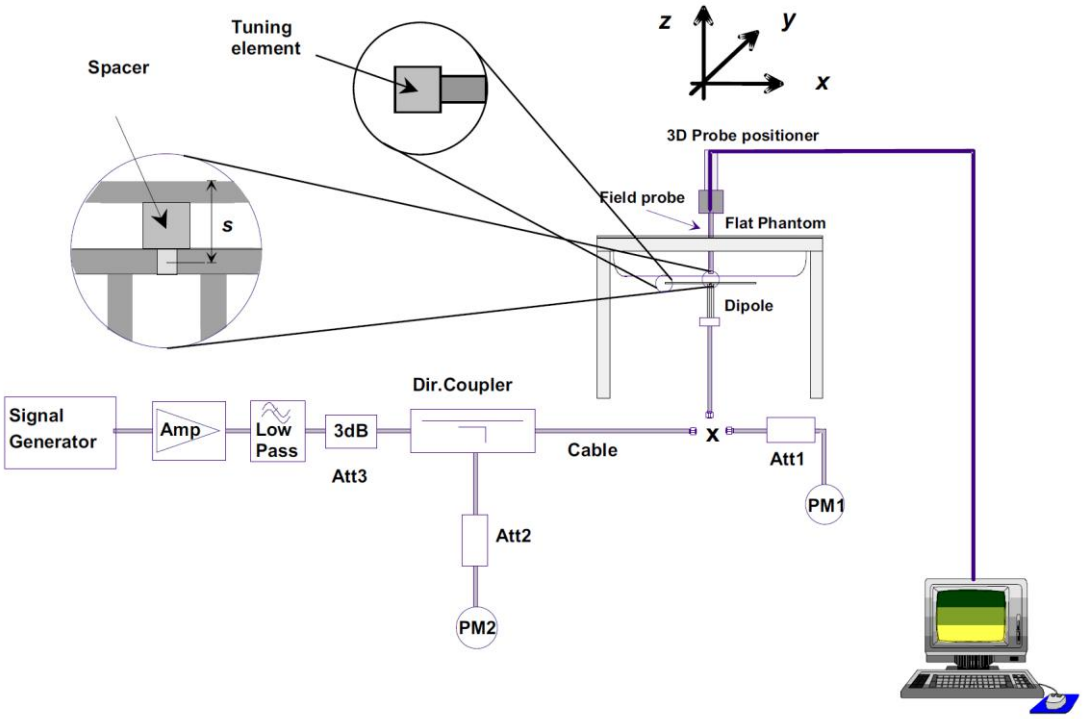
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

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

6.1 Head Exposure Conditions

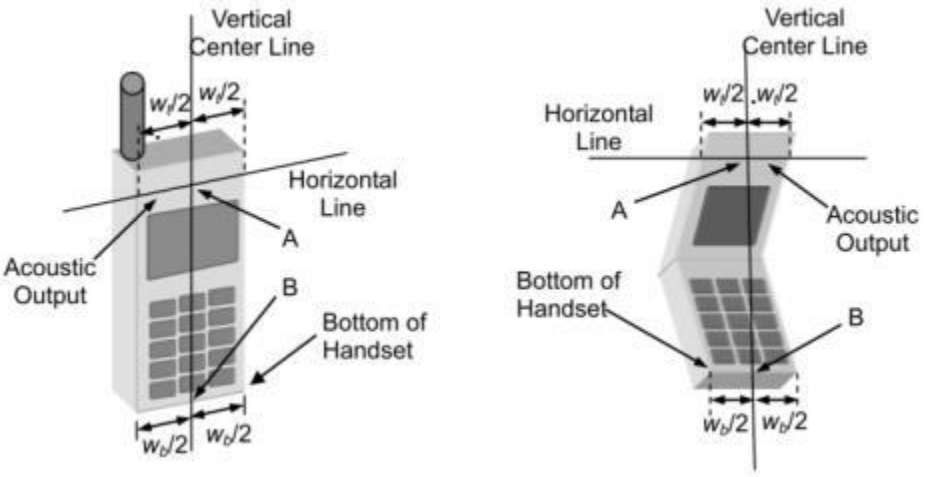
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

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

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

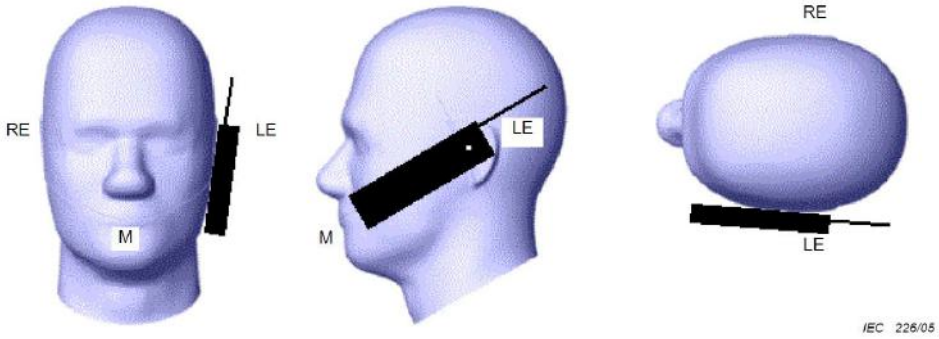
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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



6.1.2 Cheek Position

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

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



6.1.3 Tilted Position

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

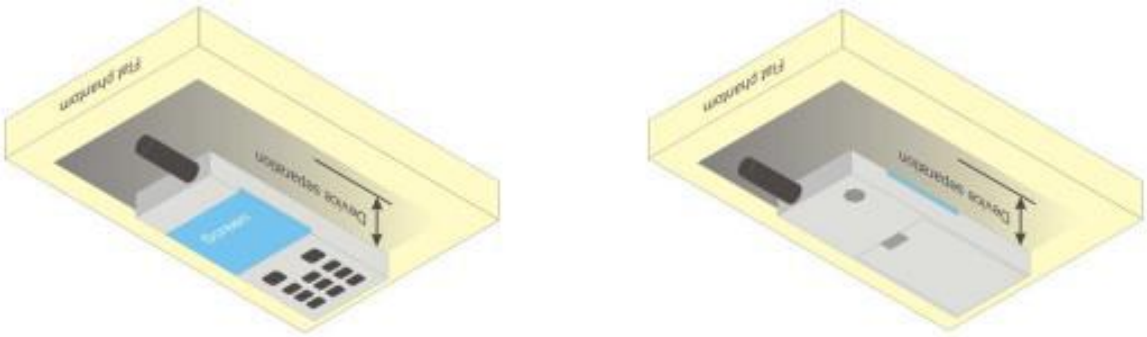
(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

6.2 Body-worn Position Conditions

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

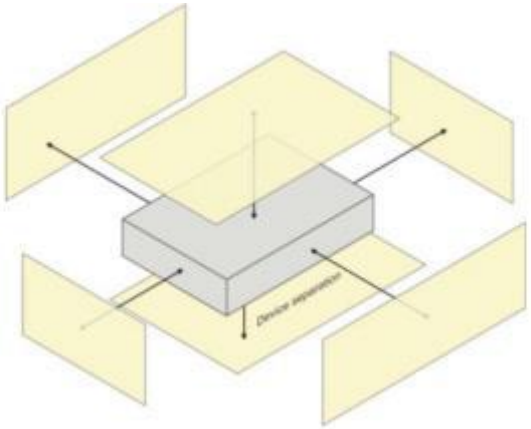
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



6.4 Product Specific 10g Exposure Consideration

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

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

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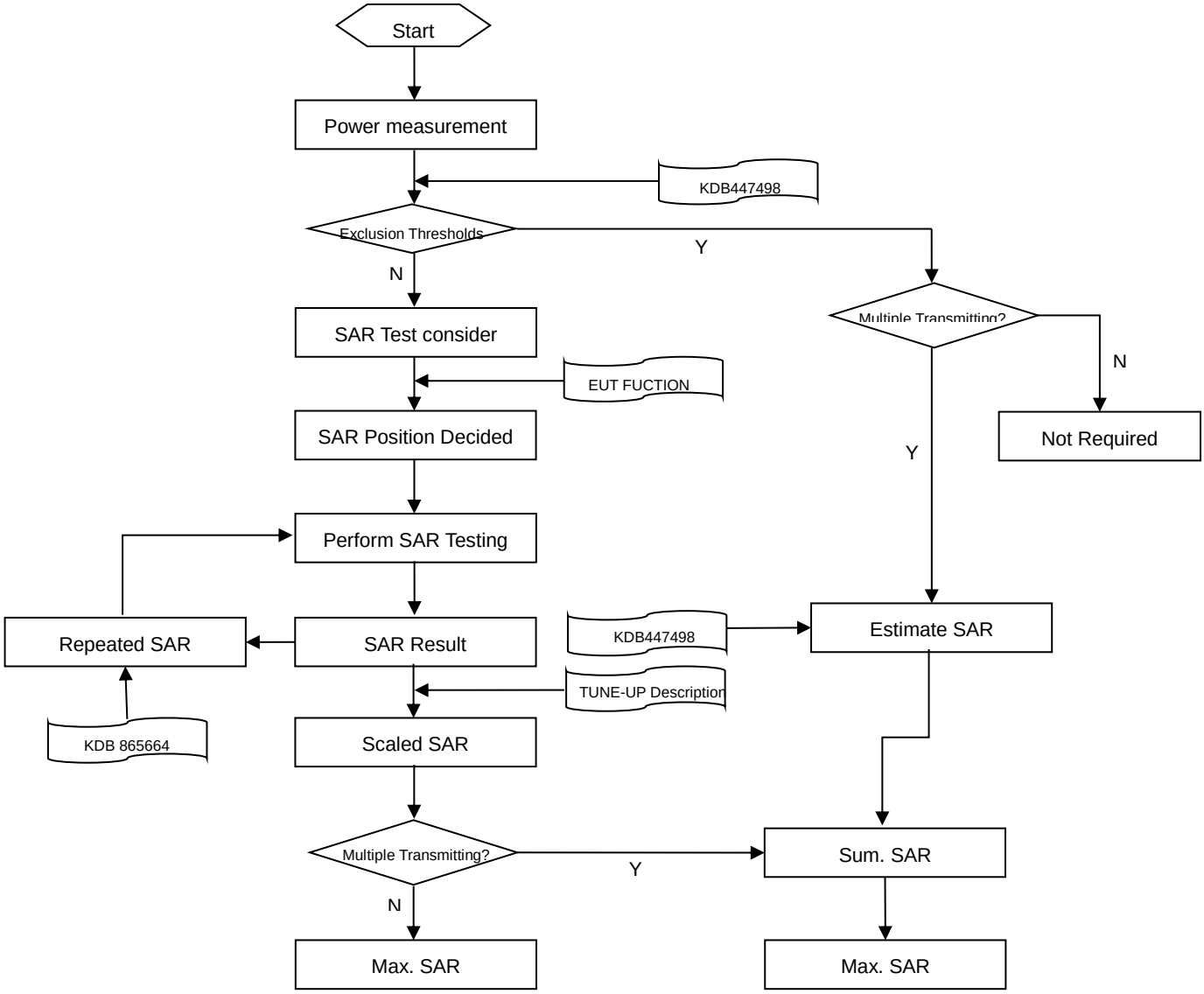
7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

<table>
<tr><th colspan="3"></th><th>≤3GHz</th><th>>3GHz</th></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5±1 mm</td><td>½·δ·ln(2)±0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30°±1°</td><td>20°±1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: Δx Area , Δy Area</td><td>≤ 2 GHz: ≤ 15 mm
2 – 3 GHz: ≤ 12 mm</td><td>3–4 GHz: ≤ 12 mm
4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom</td><td>≤ 2 GHz: ≤ 8 mm
2 –3 GHz: ≤ 5 mm*</td><td>3–4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="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 colspan="2">5–6 GHz: ≤ 2 mm
≤ 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 Normal 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 section 6.2.2A.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 LTE Downlink CA Normal Power

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

8.6 NR

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

8.7 WIFI

8.7.1 2.4G WIFI Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.35	14.00	No
		2	2417	12.68	14.50	No
		3	2422	13.24	15.00	No
		4	2427	15.44	17.00	No
		5	2432	17.75	19.50	No
		6	2437	**18.55**	20.00	Yes
		7	2442	18.48	20.00	No
		8	2447	15.04	16.50	No
		9	2452	13.52	15.50	No
		10	2457	11.22	13.00	No
		11	2462	11.39	13.00	No
	802.11g	1	2412	15.36	17.00	No
		2	2417	13.15	15.00	No
		3	2422	17.30	19.00	No
		6	2437	17.34	19.00	No
		10	2457	17.30	19.00	No
		11	2462	14.86	16.50	No
	802.11n(HT20)	1	2412	14.53	16.50	No
		2	2417	12.71	14.50	No
		3	2422	17.25	19.00	No
		6	2437	17.41	19.00	No
		9	2452	17.02	19.00	No
		10	2457	15.05	17.00	No
		11	2462	12.84	14.50	No
	802.11n(HT40)	3	2422	12.50	14.50	No
		4	2427	14.04	15.50	No
		5	2432	16.05	17.50	No
		6	2437	14.63	16.00	No
		7	2442	15.20	16.50	No
		8	2447	13.24	14.50	No
		9	2452	12.17	14.00	No
	802.11 ac (VHT20)	1	2412	14.68	16.50	No
		2	2417	16.16	18.00	No
		3	2422	17.16	19.00	No
		6	2437	17.37	19.00	No

		9	2452	17.43	19.00	No
		10	2457	15.50	17.50	No
		11	2462	13.39	15.00	No
	802.11 ac (VHT40)	3	2422	12.85	14.50	No
		4	2427	14.01	15.50	No
		5	2432	15.56	17.00	No
		6	2437	15.16	16.50	No
		7	2442	14.66	16.00	No
		8	2447	13.21	14.50	No
		9	2452	12.64	14.50	No

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

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

2) When multiple transmission modes (802.11b/g/n/ac) 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 & 802.11n chosen over 802.11ac.

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 $\leqslant$ 1.2 W/kg, OFDM SAR test is not required.

Adjusted SAR = 0.630 * (79.43mW/100.00mW) = 0.500 W/Kg, so 2.4G OFDM SAR test is not required.

8.7.2 2.4G WIFI Level1(State5)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.35	14.00	No
		2	2417	12.68	14.50	No
		3	2422	13.24	15.00	No
		4	2427	15.44	17.00	No
		5	2432	/	17.00	No
		6	2437	**16.09**	17.00	Yes
		7	2442	16.05	17.00	No
		8	2447	15.04	16.50	No
		9	2452	13.52	15.50	No
		10	2457	11.22	13.00	No
		11	2462	11.39	13.00	No
	802.11g	1	2412	15.36	17.00	No
		2	2417	13.15	15.00	No
		3	2422	15.75	17.00	No
		6	2437	15.88	17.00	No
		10	2457	15.75	17.00	No
		11	2462	14.86	16.50	No
	802.11n(HT20)	1	2412	14.53	16.50	No
		2	2417	12.71	14.50	No
		3	2422	15.80	17.00	No
		6	2437	15.89	17.00	No
		9	2452	/	17.00	No
		10	2457	15.05	17.00	No
		11	2462	12.84	14.50	No
	802.11n(HT40)	3	2422	12.50	14.50	No
		4	2427	14.04	15.50	No
		5	2432	16.05	17.00	No
		6	2437	14.63	16.00	No
		7	2442	15.20	16.50	No
		8	2447	13.24	14.50	No
		9	2452	12.17	14.00	No
	802.11 ac (VHT20)	1	2412	14.68	16.50	No
		2	2417	16.16	17.00	No
		3	2422	/	17.00	No
		6	2437	15.87	17.00	No
		9	2452	15.88	17.00	No

		10	2457	15.50	17.00	No
		11	2462	13.39	15.00	No
	802.11 ac (VHT40)	3	2422	12.85	14.50	No
		4	2427	14.01	15.50	No
		5	2432	15.56	17.00	No
		6	2437	15.16	16.50	No
		7	2442	14.66	16.00	No
		8	2447	13.21	14.50	No
		9	2452	12.64	14.50	No

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

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

2) When multiple transmission modes (802.11b/g/n/ac) 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 & 802.11n chosen over 802.11ac.

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 $\leqslant$ 1.2 W/kg, OFDM SAR test is not required.

Adjusted SAR = 0.630 * (50.12mW/50.12mW) = 0.630 W/Kg, so 2.4G OFDM SAR test is not required.

8.7.3 2.4G WIFI Level2(State10)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	11.41	13.00	No
		2	2417	/	13.00	No
		3	2422	/	13.00	No
		4	2427	/	13.00	No
		5	2432	/	13.00	No
		6	2437	**11.46**	13.00	Yes
		7	2442	/	13.00	No
		8	2447	/	13.00	No
		9	2452	/	13.00	No
		10	2457	11.22	13.00	No
		11	2462	10.97	12.50	No
	802.11g	1	2412	11.40	13.00	No
		2	2417	/	13.00	No
		3	2422	/	13.00	No
		6	2437	11.26	13.00	No
		10	2457	/	13.00	No
		11	2462	11.43	13.00	No
	802.11n(HT20)	1	2412	11.29	13.00	No
		2	2417	/	13.00	No
		3	2422	/	13.00	No
		6	2437	11.32	13.00	No
		9	2452	/	13.00	No
		10	2457	/	13.00	No
		11	2462	11.38	13.00	No
	802.11n(HT40)	3	2422	11.01	13.00	No
		4	2427	/	13.00	No
		5	2432	/	13.00	No
		6	2437	11.55	13.00	No
		7	2442	/	13.00	No
		8	2447	/	13.00	No
		9	2452	12.08	13.00	No
	802.11 ac (VHT20)	1	2412	11.27	13.00	No
		2	2417	/	13.00	No
		3	2422	/	13.00	No
		6	2437	11.30	13.00	No
		9	2452	/	13.00	No

		10	2457	/	13.00	No
		11	2462	11.03	13.00	No
	802.11 ac (VHT40)	3	2422	11.35	13.00	No
		4	2427	/	13.00	No
		5	2432	/	13.00	No
		6	2437	11.56	13.00	No
		7	2442	/	13.00	No
		8	2447	/	13.00	No
		9	2452	11.13	13.00	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/ac) 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 & 802.11n chosen over 802.11ac.

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 $\leqslant$ 1.2 W/kg, OFDM SAR test is not required.

Adjusted SAR = 0.630 * (19.95mW/19.95mW) = 0.630 W/Kg, so 2.4G OFDM SAR test is not required.

8.7.4 2.4G WIFI Level3(State1&2&3&4)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.35	14.00	No
		2	2417	12.68	14.50	No
		3	2422	13.24	15.00	No
		4	2427	15.44	17.00	No
		5	2432	17.75	19.50	No
		6	2437	**18.55**	20.00	Yes
		7	2442	18.48	20.00	No
		8	2447	15.04	16.50	No
		9	2452	13.52	15.50	No
		10	2457	11.22	13.00	No
		11	2462	11.39	13.00	No
	802.11g	1	2412	15.36	17.00	No
		2	2417	13.15	15.00	No
		3	2422	17.30	19.00	No
		6	2437	17.34	19.00	No
		10	2457	17.30	19.00	No
		11	2462	14.86	16.50	No
	802.11n(HT20)	1	2412	14.53	16.50	No
		2	2417	12.71	14.50	No
		3	2422	17.25	19.00	No
		6	2437	17.41	19.00	No
		9	2452	17.02	19.00	No
		10	2457	15.05	17.00	No
		11	2462	12.84	14.50	No
	802.11n(HT40)	3	2422	12.50	14.50	No
		4	2427	14.04	15.50	No
		5	2432	16.05	17.50	No
		6	2437	14.63	16.00	No
		7	2442	15.20	16.50	No
		8	2447	13.24	14.50	No
		9	2452	12.17	14.00	No
	802.11 ac (VHT20)	1	2412	14.68	16.50	No
		2	2417	16.16	18.00	No
		3	2422	17.16	19.00	No
		6	2437	17.37	19.00	No
		9	2452	17.43	19.00	No

		10	2457	15.50	17.50	No
		11	2462	13.39	15.00	No
	802.11 ac (VHT40)	3	2422	12.85	14.50	No
		4	2427	14.01	15.50	No
		5	2432	15.56	17.00	No
		6	2437	15.16	16.50	No
		7	2442	14.66	16.00	No
		8	2447	13.21	14.50	No
		9	2452	12.64	14.50	No

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

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

2) When multiple transmission modes (802.11b/g/n/ac) 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 & 802.11n chosen over 802.11ac.

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 $\leqslant$ 1.2 W/kg, OFDM SAR test is not required.

Adjusted SAR = 0.630 * (79.43mW/100.00mW) = 0.500 W/Kg, so 2.4G OFDM SAR test is not required.

8.7.5 2.4G WIFI Level4(State6&8&9)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.35	14.00	No
		2	2417	12.68	14.50	No
		3	2422	13.24	15.00	No
		4	2427	14.96	16.50	No
		5	2432	/	16.50	No
		6	2437	**15.01**	16.50	Yes
		7	2442	/	16.50	No
		8	2447	15.04	16.50	No
		9	2452	13.52	15.50	No
		10	2457	11.22	13.00	No
		11	2462	11.39	13.00	No
	802.11g	1	2412	14.90	16.50	No
		2	2417	13.15	15.00	No
		3	2422	14.68	16.50	No
		6	2437	14.75	16.50	No
		10	2457	/	16.50	No
		11	2462	14.86	16.50	No
	802.11n(HT20)	1	2412	14.53	16.50	No
		2	2417	12.71	14.50	No
		3	2422	14.70	16.50	No
		6	2437	14.85	16.50	No
		9	2452	/	16.50	No
		10	2457	14.58	16.50	No
		11	2462	12.84	14.50	No
	802.11n(HT40)	3	2422	12.50	14.50	No
		4	2427	14.04	15.50	No
		5	2432	15.10	16.50	No
		6	2437	14.63	16.00	No
		7	2442	15.20	16.50	No
		8	2447	13.24	14.50	No
		9	2452	12.17	14.00	No
	802.11 ac (VHT20)	1	2412	14.68	16.50	No
		2	2417	/	16.50	No
		3	2422	/	16.50	No
		6	2437	14.89	16.50	No
		9	2452	/	16.50	No

		10	2457	14.52	16.50	No
		11	2462	13.39	15.00	No
	802.11 ac (VHT40)	3	2422	12.85	14.50	No
		4	2427	14.01	15.50	No
		5	2432	15.02	16.50	No
		6	2437	15.16	16.50	No
		7	2442	14.66	16.00	No
		8	2447	13.21	14.50	No
		9	2452	12.64	14.50	No

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

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

2) When multiple transmission modes (802.11b/g/n/ac) 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 & 802.11n chosen over 802.11ac.

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 $\leqslant$ 1.2 W/kg, OFDM SAR test is not required.

Adjusted SAR = 0.630 * (44.67mW/44.67mW) = 0.630 W/Kg, so 2.4G OFDM SAR test is not required.

8.7.6 2.4G WIFI Level4(State7)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.35	14.00	No
		2	2417	12.68	14.50	No
		3	2422	13.24	15.00	No
		4	2427	15.44	17.00	No
		5	2432	15.68	17.50	No
		6	2437	**16.09**	17.50	Yes
		7	2442	16.05	17.50	No
		8	2447	15.04	16.50	No
		9	2452	13.52	15.50	No
		10	2457	11.22	13.00	No
		11	2462	11.39	13.00	No
	802.11g	1	2412	15.36	17.00	No
		2	2417	13.15	15.00	No
		3	2422	15.75	17.50	No
		6	2437	15.88	17.50	No
		10	2457	15.75	17.50	No
		11	2462	14.86	16.50	No
	802.11n(HT20)	1	2412	14.53	16.50	No
		2	2417	12.71	14.50	No
		3	2422	15.80	17.50	No
		6	2437	15.89	17.50	No
		9	2452	15.56	17.50	No
		10	2457	15.05	17.00	No
		11	2462	12.84	14.50	No
	802.11n(HT40)	3	2422	12.50	14.50	No
		4	2427	14.04	15.50	No
		5	2432	16.05	17.50	No
		6	2437	14.63	16.00	No
		7	2442	15.20	16.50	No
		8	2447	13.24	14.50	No
		9	2452	12.17	14.00	No
	802.11 ac (VHT20)	1	2412	14.68	16.50	No
		2	2417	15.78	17.50	No
		3	2422	15.61	17.50	No
		6	2437	15.87	17.50	No
		9	2452	15.88	17.50	No

		10	2457	15.50	17.50	No
		11	2462	13.39	15.00	No
	802.11 ac (VHT40)	3	2422	12.85	14.50	No
		4	2427	14.01	15.50	No
		5	2432	15.56	17.00	No
		6	2437	15.16	16.50	No
		7	2442	14.66	16.00	No
		8	2447	13.21	14.50	No
		9	2452	12.64	14.50	No

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

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

2) When multiple transmission modes (802.11b/g/n/ac) 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 & 802.11n chosen over 802.11ac.

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 $\leqslant$ 1.2 W/kg, OFDM SAR test is not required.

Adjusted SAR = 0.630 * (56.23mW/56.23mW) = 0.630 W/Kg, so 2.4G OFDM SAR test is not required.

8.7.7 5G WIFI Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.55	16.50	No
		44	5220	18.20	19.50	No
		48	5240	18.64	19.50	No
	802.11n(HT20)	36	5180	15.39	16.50	No
		44	5220	18.57	19.50	No
		48	5240	18.53	19.50	No
	802.11n(HT40)	38	5190	11.94	13.00	No
		46	5230	18.86	19.50	No
	802.11ac(VHT20)	36	5180	14.43	15.50	No
		44	5220	18.55	19.50	No
		48	5240	18.93	19.50	No
	802.11ac(VHT40)	38	5190	11.34	12.50	No
		46	5230	18.89	19.50	No
	802.11ac(VHT80)	42	5210	9.34	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	18.63	19.50	No
		60	5300	18.79	19.50	No
		64	5320	14.90	16.00	No
	802.11n(HT20)	52	5260	18.95	19.50	No
		60	5300	18.26	19.50	No
		64	5320	14.26	15.50	No
	802.11n(HT40)	54	5270	**18.48**	19.50	Yes
		62	5310	11.24	12.50	Yes
	802.11ac(VHT20)	52	5260	18.53	19.50	No
		60	5300	18.72	19.50	No
		64	5320	14.34	15.50	No
	802.11ac(VHT40)	54	5270	18.98	19.50	No
		62	5310	11.31	12.50	No
	802.11ac(VHT80)	58	5290	9.66	11.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.09	18.50	No
		104	5520	18.35	19.50	No
		116	5580	18.49	19.50	No
		136	5680	18.35	19.50	No
		140	5700	15.33	17.00	No
	802.11n(HT20)	100	5500	15.57	17.00	No
		104	5520	18.31	19.50	No
		116	5580	18.39	19.50	No

		136	5680	18.24	19.50	No
		140	5700	14.74	16.50	No
	802.11n(HT40)	102	5510	11.70	13.00	No
		110	5550	18.47	19.50	No
		118	5590	18.58	19.50	No
		126	5630	18.51	19.50	No
		134	5670	16.44	18.00	No
	802.11ac(VHT20)	100	5500	17.02	18.50	No
		104	5520	18.29	19.50	No
		116	5580	18.35	19.50	No
		136	5680	18.30	19.50	No
		140	5700	15.73	17.50	No
	802.11ac(VHT40)	102	5510	13.83	15.00	No
		110	5550	18.54	19.50	No
		118	5590	18.63	19.50	No
		134	5670	18.54	19.50	No
	802.11ac(VHT80)	106	5530	13.13	14.50	Yes
		122	5610	**18.48**	19.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	17.73	19.50	No
		157	5785	17.89	19.50	No
		165	5825	18.27	19.50	No
	802.11n(HT20)	149	5745	17.64	19.50	No
		157	5785	17.80	19.50	No
		165	5825	17.75	19.50	No
	802.11n(HT40)	151	5755	17.69	19.50	No
		159	5795	17.72	19.50	No
	802.11ac(VHT20)	149	5745	17.64	19.50	No
		157	5785	17.78	19.50	No
		165	5825	18.17	19.50	No
	802.11ac(VHT40)	151	5755	17.72	19.50	No
		159	5795	17.76	19.50	No
	802.11ac(VHT80)	155	5775	**17.73**	19.50	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.7.8 5G WIFI Level1(State5)

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	14.61	15.50	No
		44	5220	14.27	15.50	No
		48	5240	14.48	15.50	No
	802.11n(HT20)	36	5180	14.41	15.50	No
		44	5220	14.59	15.50	No
		48	5240	14.37	15.50	No
	802.11n(HT40)	38	5190	11.94	13.00	No
		46	5230	14.72	15.50	No
	802.11ac(VHT20)	36	5180	14.43	15.50	No
		44	5220	14.40	15.50	No
		48	5240	14.75	15.50	No
	802.11ac(VHT40)	38	5190	11.34	12.50	No
		46	5230	14.99	15.50	No
	802.11ac(VHT80)	42	5210	9.34	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.81	15.50	No
		60	5300	14.86	15.50	No
		64	5320	14.55	15.50	No
	802.11n(HT20)	52	5260	15.00	15.50	No
		60	5300	14.42	15.50	No
		64	5320	14.26	15.50	No
	802.11n(HT40)	54	5270	**14.62**	15.50	Yes
		62	5310	11.24	12.50	Yes
	802.11ac(VHT20)	52	5260	14.62	15.50	No
		60	5300	14.59	15.50	No
		64	5320	14.34	15.50	No
	802.11ac(VHT40)	54	5270	15.09	15.50	No
		62	5310	11.31	12.50	No
	802.11ac(VHT80)	58	5290	9.66	11.00	No
5.6 (5.47~5.725)	802.11a	100	5500	13.54	15.00	No
		104	5520	/	15.00	No
		116	5580	13.90	15.00	No
		136	5680	/	15.00	No
		140	5700	13.17	15.00	No
	802.11n(HT20)	100	5500	13.41	15.00	No
		104	5520	/	15.00	No
		116	5580	13.79	15.00	No

		136	5680	/	15.00	No
		140	5700	13.08	15.00	No
	802.11n(HT40)	102	5510	11.70	13.00	No
		110	5550	13.89	15.00	No
		118	5590	14.16	15.00	No
		126	5630	/	15.00	No
		134	5670	13.27	15.00	No
	802.11ac(VHT20)	100	5500	13.47	15.00	No
		104	5520	13.96	15.00	No
		116	5580	13.90	15.00	No
		136	5680	13.90	15.00	No
		140	5700	13.19	15.00	No
	802.11ac(VHT40)	102	5510	13.83	15.00	No
		110	5550	13.90	15.00	No
		118	5590	14.16	15.00	No
		134	5670	14.15	15.00	No
	802.11ac(VHT80)	106	5530	13.13	14.50	No
		122	5610	**14.08**	15.00	Yes
5.8 (5.725~5.850)	802.11a	149	5745	15.32	17.00	No
		157	5785	15.35	17.00	No
		165	5825	15.68	17.00	No
	802.11n(HT20)	149	5745	15.04	17.00	No
		157	5785	15.33	17.00	No
		165	5825	15.31	17.00	No
	802.11n(HT40)	151	5755	15.20	17.00	No
		159	5795	15.27	17.00	No
	802.11ac(VHT20)	149	5745	15.03	17.00	No
		157	5785	15.32	17.00	No
		165	5825	15.56	17.00	No
	802.11ac(VHT40)	151	5755	15.28	17.00	No
		159	5795	15.33	17.00	No
	802.11ac(VHT80)	155	5775	**15.59**	17.00	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.7.9 5G WIFI Level2(State10)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	10.12	11.00	No
		44	5220	9.65	11.00	No
		48	5240	10.11	11.00	No
	802.11n(HT20)	36	5180	10.08	11.00	No
		44	5220	10.13	11.00	No
		48	5240	9.87	11.00	No
	802.11n(HT40)	38	5190	9.75	11.00	No
		46	5230	10.05	11.00	No
	802.11ac(VHT20)	36	5180	10.11	11.00	No
		44	5220	10.04	11.00	No
		48	5240	10.12	11.00	No
	802.11ac(VHT40)	38	5190	9.84	11.00	No
		46	5230	10.23	11.00	No
	802.11ac(VHT80)	42	5210	9.34	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	10.09	11.00	No
		60	5300	10.08	11.00	No
		64	5320	10.09	11.00	No
	802.11n(HT20)	52	5260	10.11	11.00	No
		60	5300	9.91	11.00	No
		64	5320	9.81	11.00	No
	802.11n(HT40)	54	5270	10.04	11.00	No
		62	5310	9.70	11.00	No
	802.11ac(VHT20)	52	5260	10.11	11.00	No
		60	5300	10.08	11.00	No
		64	5320	9.71	11.00	No
	802.11ac(VHT40)	54	5270	10.04	11.00	No
		62	5310	9.89	11.00	No
	802.11ac(VHT80)	58	5290	9.66	**11.00**	Yes
5.6 (5.47~5.725)	802.11a	100	5500	9.61	11.00	No
		104	5520	/	11.00	No
		116	5580	9.85	11.00	No
		136	5680	/	11.00	No
		140	5700	9.44	11.00	No
	802.11n(HT20)	100	5500	9.53	11.00	No
		104	5520	/	11.00	No
		116	5580	10.07	11.00	No

		136	5680	/	11.00	No
		140	5700	9.15	11.00	No
	802.11n(HT40)	102	5510	9.62	11.00	No
		110	5550	/	11.00	No
		118	5590	9.92	11.00	No
		126	5630	/	11.00	No
		134	5670	9.55	11.00	No
	802.11ac(VHT20)	100	5500	9.52	11.00	No
		104	5520	/	11.00	No
		116	5580	9.66	11.00	No
		136	5680	/	11.00	No
		140	5700	9.18	11.00	No
	802.11ac(VHT40)	102	5510	9.94	11.00	No
		110	5550	/	11.00	No
		118	5590	10.18	11.00	No
		134	5670	10.03	11.00	No
	802.11ac(VHT80)	106	5530	9.67	11.00	Yes
		122	5610	**10.07**	11.00	Yes
5.8 (5.725~5.850)	802.11a	149	5745	9.06	11.00	No
		157	5785	9.31	11.00	No
		165	5825	9.65	11.00	No
	802.11n(HT20)	149	5745	9.00	11.00	No
		157	5785	9.25	11.00	No
		165	5825	9.39	11.00	No
	802.11n(HT40)	151	5755	9.34	11.00	No
		159	5795	9.39	11.00	No
	802.11ac(VHT20)	149	5745	9.02	11.00	No
		157	5785	9.26	11.00	No
		165	5825	9.83	11.00	No
	802.11ac(VHT40)	151	5755	9.10	11.00	No
		159	5795	9.33	11.00	No
	802.11ac(VHT80)	155	5775	**9.34**	11.00	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.7.10 5G WIFI Level3(State1&2&3&4)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.55	16.50	No
		44	5220	15.32	16.50	No
		48	5240	15.50	16.50	No
	802.11n(HT20)	36	5180	15.39	16.50	No
		44	5220	15.54	16.50	No
		48	5240	15.31	16.50	No
	802.11n(HT40)	38	5190	11.94	13.00	No
		46	5230	15.63	16.50	No
	802.11ac(VHT20)	36	5180	14.43	15.50	No
		44	5220	15.38	16.50	No
		48	5240	15.66	16.50	No
	802.11ac(VHT40)	38	5190	11.34	12.50	No
		46	5230	15.97	16.50	No
	802.11ac(VHT80)	42	5210	9.34	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	15.78	16.50	No
		60	5300	15.85	16.50	No
		64	5320	14.90	16.00	No
	802.11n(HT20)	52	5260	16.04	16.50	No
		60	5300	15.34	16.50	No
		64	5320	14.26	15.50	No
	802.11n(HT40)	54	5270	**15.67**	16.50	Yes
		62	5310	11.24	12.50	No
	802.11ac(VHT20)	52	5260	15.62	16.50	No
		60	5300	15.54	16.50	No
		64	5320	14.34	15.50	No
	802.11ac(VHT40)	54	5270	16.11	16.50	No
		62	5310	11.31	12.50	No
	802.11ac(VHT80)	58	5290	9.66	11.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.09	18.50	No
		104	5520	/	18.50	No
		116	5580	17.51	18.50	No
		136	5680	17.35	18.50	No
		140	5700	15.33	17.00	No
	802.11n(HT20)	100	5500	15.57	17.00	No
		104	5520	17.23	18.50	No
		116	5580	17.36	18.50	No

		136	5680	17.18	18.50	No
		140	5700	14.74	16.50	No
	802.11n(HT40)	102	5510	11.70	13.00	No
		110	5550	17.57	18.50	No
		118	5590	17.62	18.50	No
		126	5630	17.56	18.50	No
		134	5670	16.44	18.00	No
	802.11ac(VHT20)	100	5500	17.02	18.50	No
		104	5520	/	18.50	No
		116	5580	17.35	18.50	No
		136	5680	17.39	18.50	No
		140	5700	15.73	17.50	No
	802.11ac(VHT40)	102	5510	13.83	15.00	No
		110	5550	17.54	18.50	No
		118	5590	17.60	18.50	No
		134	5670	17.45	18.50	No
	802.11ac(VHT80)	106	5530	13.13	14.50	Yes
		122	5610	**17.46**	18.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	17.73	19.50	No
		157	5785	17.89	19.50	No
		165	5825	18.27	19.50	No
	802.11n(HT20)	149	5745	17.64	19.50	No
		157	5785	17.80	19.50	No
		165	5825	17.75	19.50	No
	802.11n(HT40)	151	5755	17.69	19.50	No
		159	5795	17.72	19.50	No
	802.11ac(VHT20)	149	5745	17.64	19.50	No
		157	5785	17.78	19.50	No
		165	5825	18.17	19.50	No
	802.11ac(VHT40)	151	5755	17.72	19.50	No
		159	5795	17.76	19.50	No
	802.11ac(VHT80)	155	5775	17.73	19.50	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.7.11 5G WIFI Level4(State6&8&9)

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.00	13.00	No
		44	5220	11.89	13.00	No
		48	5240	12.21	13.00	No
	802.11n(HT20)	36	5180	11.92	13.00	No
		44	5220	12.23	13.00	No
		48	5240	12.15	13.00	No
	802.11n(HT40)	38	5190	11.88	13.00	No
		46	5230	12.23	13.00	No
	802.11ac(VHT20)	36	5180	11.82	13.00	No
		44	5220	12.08	13.00	No
		48	5240	12.54	13.00	No
	802.11ac(VHT40)	38	5190	11.34	12.50	No
		46	5230	12.39	13.00	No
	802.11ac(VHT80)	42	5210	9.34	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	12.17	13.00	No
		60	5300	12.27	13.00	No
		64	5320	11.77	13.00	No
	802.11n(HT20)	52	5260	12.58	13.00	No
		60	5300	11.92	13.00	No
		64	5320	11.82	13.00	No
	802.11n(HT40)	54	5270	**12.07**	13.00	Yes
		62	5310	11.24	12.50	No
	802.11ac(VHT20)	52	5260	11.87	13.00	No
		60	5300	12.37	13.00	No
		64	5320	11.68	13.00	No
	802.11ac(VHT40)	54	5270	12.64	13.00	No
		62	5310	11.31	12.50	No
	802.11ac(VHT80)	58	5290	9.66	11.00	No
5.6 (5.47~5.725)	802.11a	100	5500	10.07	11.50	No
		104	5520	/	11.50	No
		116	5580	10.48	11.50	No
		136	5680	/	11.50	No
		140	5700	9.79	11.50	No
	802.11n(HT20)	100	5500	9.93	11.50	No
		104	5520	/	11.50	No
		116	5580	10.26	11.50	No

		136	5680	/	11.50	No
		140	5700	9.74	11.50	No
	802.11n(HT40)	102	5510	10.01	11.50	No
		110	5550	/	11.50	No
		118	5590	10.53	11.50	No
		126	5630	/	11.50	No
		134	5670	9.76	11.50	No
	802.11ac(VHT20)	100	5500	10.01	11.50	No
		104	5520	/	11.50	No
		116	5580	10.42	11.50	No
		136	5680	/	11.50	No
		140	5700	9.75	11.50	No
	802.11ac(VHT40)	102	5510	10.15	11.50	No
		110	5550	/	11.50	No
		118	5590	10.80	11.50	No
		134	5670	10.71	11.50	No
	802.11ac(VHT80)	106	5530	9.97	11.50	Yes
		122	5610	**10.45**	11.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	10.33	12.00	No
		157	5785	10.34	12.00	No
		165	5825	10.82	12.00	No
	802.11n(HT20)	149	5745	10.13	12.00	No
		157	5785	10.21	12.00	No
		165	5825	10.13	12.00	No
	802.11n(HT40)	151	5755	10.15	12.00	No
		159	5795	10.38	12.00	No
	802.11ac(VHT20)	149	5745	10.32	12.00	No
		157	5785	10.24	12.00	No
		165	5825	10.70	12.00	No
	802.11ac(VHT40)	151	5755	10.15	12.00	No
		159	5795	10.31	12.00	No
	802.11ac(VHT80)	155	5775	**10.53**	12.00	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.7.12 5G WIFI Level4(State7)

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	14.61	15.50	No
		44	5220	14.27	15.50	No
		48	5240	14.48	15.50	No
	802.11n(HT20)	36	5180	14.41	15.50	No
		44	5220	14.59	15.50	No
		48	5240	14.37	15.50	No
	802.11n(HT40)	38	5190	11.94	13.00	No
		46	5230	14.72	15.50	No
	802.11ac(VHT20)	36	5180	14.43	15.50	No
		44	5220	14.40	15.50	No
		48	5240	14.75	15.50	No
	802.11ac(VHT40)	38	5190	11.34	12.50	No
		46	5230	14.99	15.50	No
	802.11ac(VHT80)	42	5210	9.34	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.81	15.50	No
		60	5300	14.86	15.50	No
		64	5320	14.55	15.50	No
	802.11n(HT20)	52	5260	15.00	15.50	No
		60	5300	14.42	15.50	No
		64	5320	14.26	15.50	No
	802.11n(HT40)	54	5270	**14.62**	15.50	Yes
		62	5310	11.24	12.50	No
	802.11ac(VHT20)	52	5260	14.62	15.50	No
		60	5300	14.59	15.50	No
		64	5320	14.34	15.50	No
	802.11ac(VHT40)	54	5270	15.09	15.50	No
		62	5310	11.31	12.50	No
	802.11ac(VHT80)	58	5290	9.66	11.00	No
5.6 (5.47~5.725)	802.11a	100	5500	11.48	13.00	No
		104	5520	/	13.00	No
		116	5580	11.97	13.00	No
		136	5680	/	13.00	No
		140	5700	11.17	13.00	No
	802.11n(HT20)	100	5500	11.38	13.00	No
		104	5520	/	13.00	No
		116	5580	11.78	13.00	No

		136	5680	/	13.00	No
		140	5700	11.15	13.00	No
	802.11n(HT40)	102	5510	11.70	13.00	No
		110	5550	/	13.00	No
		118	5590	12.01	13.00	No
		126	5630	/	13.00	No
		134	5670	11.36	13.00	No
	802.11ac(VHT20)	100	5500	11.46	13.00	No
		104	5520	/	13.00	No
		116	5580	11.82	13.00	No
		136	5680	/	13.00	No
		140	5700	11.19	13.00	No
	802.11ac(VHT40)	102	5510	11.66	13.00	No
		110	5550	/	13.00	No
		118	5590	12.25	13.00	No
		134	5670	12.11	13.00	No
	802.11ac(VHT80)	106	5530	11.46	13.00	No
		122	5610	11.95	13.00	No
5.8 (5.725~5.850)	802.11a	149	5745	12.31	14.00	No
		157	5785	12.37	14.00	No
		165	5825	12.80	14.00	No
	802.11n(HT20)	149	5745	12.17	14.00	No
		157	5785	12.23	14.00	No
		165	5825	12.08	14.00	No
	802.11n(HT40)	151	5755	12.11	14.00	No
		159	5795	12.44	14.00	No
	802.11ac(VHT20)	149	5745	12.33	14.00	No
		157	5785	12.26	14.00	No
		165	5825	12.65	14.00	No
	802.11ac(VHT40)	151	5755	12.20	14.00	No
		159	5795	12.32	14.00	No
	802.11ac(VHT80)	155	5775	12.47	14.00	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.						

8.8 Bluetooth

8.8.1 Bluetooth Full Power

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	11.63	**12.25**	11.15	9.01	8.91	8.85
Tune-Up Limit (dBm)	14.00			12.00		
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	8.84	8.73	8.71	/	/	/
Tune-Up Limit (dBm)	12.00			/		
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	5.38	6.36	5.45	5.50	6.53	5.55
Tune-Up Limit (dBm)	7.00			7.00		
SAR Test Require	NO	NO	NO	NO	NO	NO

8.8.2 Bluetooth Level1&2&5&6&7

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	11.63	**12.25**	11.15	9.01	8.91	8.85
Tune-Up Limit (dBm)	14.00			12.00		
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	8.84	8.73	8.71	/	/	/
Tune-Up Limit (dBm)	12.00			/		
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	5.38	6.36	5.45	5.50	6.53	5.55
Tune-Up Limit (dBm)	7.00			7.00		
SAR Test Require	NO	NO	NO	NO	NO	NO

8.8.3 Bluetooth Level3

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	10.98	**11.69**	10.27	9.01	8.91	8.85
Tune-Up Limit (dBm)	13.00			12.00		
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	8.34	8.73	8.71	/	/	/
Tune-Up Limit (dBm)	12.00			/		
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	5.38	6.36	5.45	5.50	6.53	5.55
Tune-Up Limit (dBm)	7.00			7.00		
SAR Test Require	NO	NO	NO	NO	NO	NO

8.8.4 Bluetooth Level4

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	10.01	**10.68**	10.14	9.01	8.91	8.85
Tune-Up Limit (dBm)	12.00			12.00		
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	8.84	8.73	8.71	/	/	/
Tune-Up Limit (dBm)	12.00			/		
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	5.38	6.36	5.45	5.50	6.53	5.55
Tune-Up Limit (dBm)	7.00			7.00		
SAR Test Require	NO	NO	NO	NO	NO	NO

8.8.5 Bluetooth Level8(On (Sensor0))

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	10.98	**11.69**	10.27	9.01	8.91	8.85
Tune-Up Limit (dBm)	13.00			12.00		
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	8.34	8.73	8.71	/	/	/
Tune-Up Limit (dBm)	12.00			/		
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	5.38	6.36	5.45	5.50	6.53	5.55
Tune-Up Limit (dBm)	7.00			7.00		
SAR Test Require	NO	NO	NO	NO	NO	NO

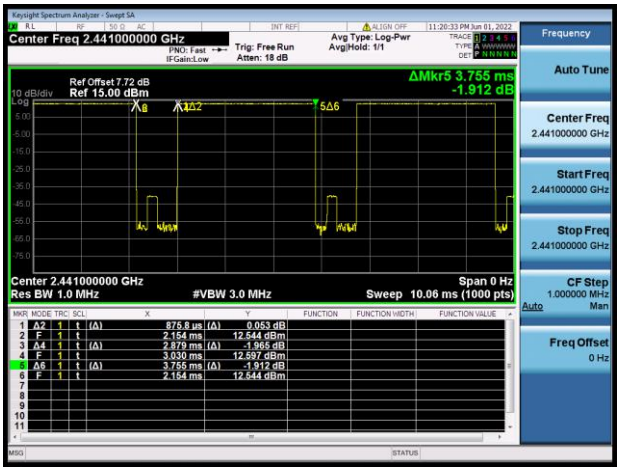
8.8.6 Bluetooth Level8(Off (Sensor0))

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	11.63	**12.25**	11.15	9.01	8.91	8.85
Tune-Up Limit (dBm)	14.00			12.00		
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	8.84	8.73	8.71	/	/	/
Tune-Up Limit (dBm)	12.00			/		
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	5.38	6.36	5.45	5.50	6.53	5.55
Tune-Up Limit (dBm)	7.00			7.00		
SAR Test Require	NO	NO	NO	NO	NO	NO

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 Test plots

GFSK



8.9 Power Reduction List

1. This mobile phone device supports the receiver detection mechanism. This device uses the receiver to indicate whether the user is making a call in head.
2. When device is making call in head, the power reduction will applied for SAR compliance.
3. When there is a voice call (including VOIP), and the audio is actively routed through the headset or speaker, which indicating the body exposure conditions will trigger the body exposure reduced the power.
4. When this device used data mode only, and the receiver will not work too, the reduced the power are same as body exposure.
5. The device employs proximity sensors that detect the presence of the user's body and Product Specific of the device. When these conditions are detected, Body and Limb reduced power will be active.
6. When the proximity sensors eorr, default scene lowest power.

WWAN Reduced power level table

Reduced level		Receiver state	Transmitting conditions	Sensor	Position	Antenna	Power reduced bands
Level1	State 5	On (head scenario)	WWAN Use Only	/	Head	Ant.0	N5(SA&ENDC)
						Ant.1	GSM850/1900
							WCDMA B2/4/5
							LTE B2/4/5/7/66/38/41
							LTE B5/66(Only for ENDC)
							N7/38/41/66
						Ant.3	LTE B66(Only for ENDC)
						Ant.4	LTE B7/66(Only for ENDC)
							N7/41(Only for ENDC)
Level2	State 10	On (head scenario)	WWAN + WLAN 2.4G/5G	/	Head	Ant.0	N5(SA&ENDC)
						Ant.1	GSM850/1900
							WCDMA B2/4/5
							LTE B2/4/5/7/66/38/41
							LTE B5/66(Only for ENDC)
							N7/38/41/66
						Ant.3	LTE B66(Only for ENDC)
						Ant.4	LTE B7/66(Only for ENDC)
							N7/41(Only for ENDC)
Level3	State 1		WWAN Use Only	On (Sensor0	Left Edge; Top Edge	Ant.0	WCDMA B4
							LTE B7/66(Only for ENDC)

				or Sensor2) +Off (Sensor1)			N66
							N7/41(Only for ENDC)
						Ant.1	WCDMA B2/4
							LTE B7
							LTE B5/66(Only for ENDC)
							N7
	State 2			Off (Sensor0 and Sensor2) +On (Sensor1)	Bottom Edge	Ant.0	WCDMA B2/4
							LTE B4/7/66
							LTE B5/7/66(Only for ENDC)
							N7/66
							N7/41(Only for ENDC)
						Ant.1	LTE B7/38/41
							LTE B66(Only for ENDC)
							N7/38/41
	State 3	Off (Body scenario)		On (Sensor0 or Sensor2) +On (Sensor1)	Front Side; Back Side; Right Edge	Ant.0	WCDMA B2/4
							LTE B4/7/66
							LTE B5/7/66(Only for ENDC)
							N7/66
							N7/41(Only for ENDC)
						Ant.1	WCDMA B2/4
							LTE B7
							LTE B5/66(Only for ENDC)
							N7
	State 4			Off (Sensor0 and Sensor2) +Off (Sensor1)	Front Side; Back Side; Left Edge; Right Edge; Top Edge; Bottom Edge	Ant.0	WCDMA B4
							LTE B7/66(Only for ENDC)
							N66
							N7/41(Only for ENDC)
						Ant.1	LTE B7/38/41
							LTE B66(Only for ENDC)
							N7/38/41
	/			/	Front Side; Back Side; Left Edge; Right Edge;	Ant.3	LTE B66(Only for ENDC)
						Ant.4	LTE B7/66(Only for ENDC)
							N7/41(Only for ENDC)

					Top Edge; Bottom Edge		
Level4	State 6	Off (Body scenario)	WWAN + WLAN 2.4G/5G	On (Sensor0 or Sensor2) +Off (Sensor1)	Left Edge; Top Edge	Ant.0	WCDMA B2/4
							LTE B2/4/7/66
							LTE B7/66(Only for ENDC)
							N7/66
							N7/41(Only for ENDC)
						Ant.1	WCDMA B2/4/5
							LTE B2/4/5/7/66/38/41
							LTE B5/66(Only for ENDC)
							N7/38/41/66
							N5(Only for ENDC)
	State 7			Off (Sensor0 and Sensor2) +On (Sensor1)	Bottom Edge	Ant.0	WCDMA B2/4/5
							LTE B2/4/7/66
							LTE B5/7/66(Only for ENDC)
							N7/66
							N7/41(Only for ENDC)
						Ant.1	WCDMA B2
							LTE B7/38/41
							LTE B66(Only for ENDC)
							N7/38/41
	State 8			On (Sensor0 or Sensor2) +On (Sensor1)	Front Side; Back Side; Right Edge	Ant.0	WCDMA B2/4/5
							LTE B2/4/7/66
							LTE B5/7/66(Only for ENDC)
							N7/66
							N7/41(Only for ENDC)
						Ant.1	WCDMA B2/4/5
							LTE B2/4/5/7/66/38/41
							LTE B5/66(Only for ENDC)
							N7/38/41/66
							N5(Only for ENDC)
	State 9			Off (Sensor0	Front Side; Back Side;	Ant.0	WCDMA B2/4
							LTE B2/4/7/66

				and Sensor2) +Off (Sensor1)	Left Edge; Right Edge; Top Edge; Bottom Edge		LTE B7/66(Only for ENDC)
							N7/66
							N7/41(Only for ENDC)
						Ant.1	WCDMA B2
							LTE B7/38/41
							LTE B66(Only for ENDC)
							N7/38/41
	/			/	Front Side; Back Side; Left Edge; Right Edge; Top Edge; Bottom Edge	Ant.3	LTE B66(Only for ENDC)
						Ant.4	LTE B7/66(Only for ENDC)
							N7/41(Only for ENDC)

WLAN Reduced power level table

Reduced level		Receiver state	Transmitting conditions	Sensor	Position	Antenna	Power reduced bands
Level1	State 5	On (head scenario)	WLAN 2.4G/5G	/	Head	Ant.7	WIFI 2.4G WIFI5.2&5.3G/5.6G/5.8G
Level2	State 10	On (head scenario)	WWAN + WLAN 2.4G/5G	/	Head	Ant.7	WIFI 2.4G WIFI5.2&5.3G/5.6G/5.8G
Level3	State 1	Off (Body scenario)	WLAN 2.4G/5G	On (Sensor0 or Sensor2) +Off (Sensor1)	Left Edge; Top Edge	Ant.7	WIFI5.2&5.3G/5.6G
	State 2			Off (Sensor0 and Sensor2) +On (Sensor1)	Bottom Edge	Ant.7	WIFI5.2&5.3G/5.6G
	State 3			On (Sensor0 or Sensor2) +On (Sensor1)	Front Side; Back Side; Right Edge	Ant.7	WIFI5.2&5.3G/5.6G
	State 4			Off (Sensor0 and Sensor2) +Off (Sensor1)	Front Side; Back Side; Left Edge; Right Edge; Top Edge; Bottom Edge	Ant.7	WIFI5.2&5.3G/5.6G
Level4	State 6	Off (Body scenario)	WLAN 5G + WLAN2.4G	On (Sensor0 or Sensor2) +Off (Sensor1)	Left Edge; Top Edge	Ant.7	WIFI 2.4G WIFI5.2&5.3G/5.6G/5.8G
	State 7			Off (Sensor0 and Sensor2)	Bottom Edge	Ant.7	WIFI 2.4G WIFI5.2&5.3G/5.6G/5.8G

				+On (Sensor1)			
	State 8			On (Sensor0 or Sensor2) +On (Sensor1)	Front Side; Back Side; Right Edge	Ant.7	WIFI 2.4G
							WIFI5.2&5.3G/5.6G/5.8G
	State 9			Off (Sensor0 and Sensor2) +Off (Sensor1)	Front Side; Back Side; Left Edge; Right Edge; Top Edge; Bottom Edge	Ant.7	WIFI 2.4G
							WIFI5.2&5.3G/5.6G/5.8G

BT Reduced power level table

Reduced level	Receiver state	Transmitting conditions	Sensor	Position	Antenna	Power reduced bands
Level1	On (head scenario)	BT	/	Head	Ant.7	/
Level2	On (head scenario)	WLAN 5G+BT	/	Head	Ant.7	/
Level3	On (head scenario)	WWAN+BT	/	Head	Ant.7	Bluetooth
Level4	On (head scenario)	WWAN+WLAN 5G+BT	/	Head	Ant.7	Bluetooth
Level5	Off (Body scenario)	BT	On (Sensor0)	Body	Ant.7	/
			Off (Sensor0)	Body	Ant.7	/
Level6	Off (Body scenario)	WLAN 5G+BT	On (Sensor0)	Body	Ant.7	/
			Off (Sensor0)	Body	Ant.7	/
Level7	Off (Body scenario)	WWAN+BT	On (Sensor0)	Body	Ant.7	/
			Off (Sensor0)	Body	Ant.7	/
Level8	Off (Body scenario)	WWAN+WLAN 5G+BT	On (Sensor0)	Body	Ant.7	Bluetooth
			Off (Sensor0)	Body	Ant.7	/

WWAN Antenna Power table

Mode	Antenna	WWAN Antenna										
		Full Power	Receiver on		Receiver off							
			Head		Body-Worn&Extremity				Body-Worn&Hotspot&Extremity			
			Standalone	Simultaneous transmission	Standalone				Simultaneous transmission			
				+2.4G/5GWLAN					+2.4G/5GWLAN			
		Off	Level1 (State5)	Level2 (State10)	Level3 (State1)	Level3 (State2)	Level3 (State3)	Level3 (State4)	Level4 (State 6)	Level4 (State 7)	Level4 (State 8)	Level4 (State 9)
GSM 850	Ant.1	33.50	32.50	31.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant.1	33.50	32.50	31.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	Ant.1	31.50	30.50	29.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50
GPRS850 3 Tx Slots	Ant.1	29.70	28.70	27.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70
GPRS850 4 Tx Slots	Ant.1	28.50	27.50	26.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50
EGPRS850 1 Tx Slot	Ant.1	29.00	28.00	27.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00
EGPRS850 2 Tx Slots	Ant.1	26.00	25.00	24.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	Ant.1	24.20	23.20	22.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
EGPRS850 4 Tx Slots	Ant.1	23.50	22.50	21.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
GSM 850	Ant.0	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant.0	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	Ant.0	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50
GPRS850 3 Tx Slots	Ant.0	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70
GPRS850 4 Tx Slots	Ant.0	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50
EGPRS850 1 Tx Slot	Ant.0	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00
EGPRS850 2 Tx Slots	Ant.0	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	Ant.0	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
EGPRS850 4 Tx Slots	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
GSM 1900	Ant.1	30.00	27.00	26.50	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
GPRS1900 1 Tx Slot	Ant.1	30.00	27.00	26.50	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
GPRS1900 2 Tx Slots	Ant.1	28.50	25.50	25.00	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50
GPRS1900 3 Tx Slots	Ant.1	26.70	23.70	23.20	26.70	26.70	26.70	26.70	26.70	26.70	26.70	26.70
GPRS1900 4 Tx Slots	Ant.1	25.50	22.50	22.00	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
EGPRS1900 1 Tx Slot	Ant.1	28.00	25.00	24.50	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS1900 2 Tx Slots	Ant.1	25.00	22.00	21.50	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS1900 3 Tx Slots	Ant.1	23.10	20.10	19.60	23.10	23.10	23.10	23.10	23.10	23.10	23.10	23.10

EGPRS1900 4 Tx Slots	Ant.1	22.50	19.50	19.00	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
GSM 1900	Ant.0	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
GPRS1900 1 Tx Slot	Ant.0	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
GPRS1900 2 Tx Slots	Ant.0	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50
GPRS1900 3 Tx Slots	Ant.0	26.70	26.70	26.70	26.70	26.70	26.70	26.70	26.70	26.70	26.70	26.70
GPRS1900 4 Tx Slots	Ant.0	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
EGPRS1900 1 Tx Slot	Ant.0	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS1900 2 Tx Slots	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS1900 3 Tx Slots	Ant.0	23.10	23.10	23.10	23.10	23.10	23.10	23.10	23.10	23.10	23.10	23.10
EGPRS1900 4 Tx Slots	Ant.0	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
WCDMA Band2 RMC	Ant.1	24.50	19.50	18.50	23.00	24.50	23.00	24.50	21.50	23.00	21.50	23.00
HSDPA Subtest-1	Ant.1	24.00	19.00	18.00	22.50	24.00	22.50	24.00	21.00	22.50	21.00	22.50
HSDPA Subtest-2	Ant.1	23.00	18.00	17.00	21.50	23.00	21.50	23.00	20.00	21.50	20.00	21.50
HSDPA Subtest-3	Ant.1	23.00	18.00	17.00	21.50	23.00	21.50	23.00	20.00	21.50	20.00	21.50
HSDPA Subtest-4	Ant.1	22.50	17.50	16.50	21.00	22.50	21.00	22.50	19.50	21.00	19.50	21.00
HSUPA Subtest-1	Ant.1	22.00	17.00	16.00	20.50	22.00	20.50	22.00	19.00	20.50	19.00	20.50
HSUPA Subtest-2	Ant.1	22.00	17.00	16.00	20.50	22.00	20.50	22.00	19.00	20.50	19.00	20.50
HSUPA Subtest-3	Ant.1	22.50	17.50	16.50	21.00	22.50	21.00	22.50	19.50	21.00	19.50	21.00
HSUPA Subtest-4	Ant.1	21.00	16.00	15.00	19.50	21.00	19.50	21.00	18.00	19.50	18.00	19.50
HSUPA Subtest-5	Ant.1	22.50	17.50	16.50	21.00	22.50	21.00	22.50	19.50	21.00	19.50	21.00
WCDMA Band2 RMC	Ant.0	24.50	24.50	24.50	24.50	23.50	23.50	24.50	23.50	22.00	22.00	23.50
HSDPA Subtest-1	Ant.0	22.50	22.50	22.50	22.50	21.50	21.50	22.50	21.50	20.00	20.00	21.50
HSDPA Subtest-2	Ant.0	23.00	23.00	23.00	23.00	22.00	22.00	23.00	22.00	20.50	20.50	22.00
HSDPA Subtest-3	Ant.0	21.50	21.50	21.50	21.50	20.50	20.50	21.50	20.50	19.00	19.00	20.50
HSDPA Subtest-4	Ant.0	22.50	22.50	22.50	22.50	21.50	21.50	22.50	21.50	20.00	20.00	21.50
HSUPA Subtest-1	Ant.0	20.00	20.00	20.00	20.00	19.00	19.00	20.00	19.00	17.50	17.50	19.00
HSUPA Subtest-2	Ant.0	20.50	20.50	20.50	20.50	19.50	19.50	20.50	19.50	18.00	18.00	19.50
HSUPA Subtest-3	Ant.0	21.50	21.50	21.50	21.50	20.50	20.50	21.50	20.50	19.00	19.00	20.50
HSUPA Subtest-4	Ant.0	20.50	20.50	20.50	20.50	19.50	19.50	20.50	19.50	18.00	18.00	19.50
HSUPA Subtest-5	Ant.0	22.00	22.00	22.00	22.00	21.00	21.00	22.00	21.00	19.50	19.50	21.00
WCDMA Band4 RMC	Ant.1	24.50	21.00	20.00	23.50	24.50	23.50	24.50	22.50	24.50	22.50	24.50
HSDPA Subtest-1	Ant.1	24.00	20.50	19.50	23.00	24.00	23.00	24.00	22.00	24.00	22.00	24.00
HSDPA Subtest-2	Ant.1	23.00	19.50	18.50	22.00	23.00	22.00	23.00	21.00	23.00	21.00	23.00
HSDPA Subtest-3	Ant.1	23.00	19.50	18.50	22.00	23.00	22.00	23.00	21.00	23.00	21.00	23.00

HSDPA Subtest-4	Ant.1	22.50	19.00	18.00	21.50	22.50	21.50	22.50	20.50	22.50	20.50	22.50
HSUPA Subtest-1	Ant.1	21.50	18.00	17.00	20.50	21.50	20.50	21.50	19.50	21.50	19.50	21.50
HSUPA Subtest-2	Ant.1	21.50	18.00	17.00	20.50	21.50	20.50	21.50	19.50	21.50	19.50	21.50
HSUPA Subtest-3	Ant.1	22.00	18.50	17.50	21.00	22.00	21.00	22.00	20.00	22.00	20.00	22.00
HSUPA Subtest-4	Ant.1	21.00	17.50	16.50	20.00	21.00	20.00	21.00	19.00	21.00	19.00	21.00
HSUPA Subtest-5	Ant.1	22.50	19.00	18.00	21.50	22.50	21.50	22.50	20.50	22.50	20.50	22.50
WCDMA Band4 RMC	Ant.0	24.50	24.50	24.50	23.50	23.50	23.50	23.50	23.00	22.00	22.00	23.00
HSDPA Subtest-1	Ant.0	22.50	22.50	22.50	21.50	21.50	21.50	21.50	21.00	20.00	20.00	21.00
HSDPA Subtest-2	Ant.0	23.00	23.00	23.00	22.00	22.00	22.00	22.00	21.50	20.50	20.50	21.50
HSDPA Subtest-3	Ant.0	22.00	22.00	22.00	21.00	21.00	21.00	21.00	20.50	19.50	19.50	20.50
HSDPA Subtest-4	Ant.0	22.50	22.50	22.50	21.50	21.50	21.50	21.50	21.00	20.00	20.00	21.00
HSUPA Subtest-1	Ant.0	21.00	21.00	21.00	20.00	20.00	20.00	20.00	19.50	18.50	18.50	19.50
HSUPA Subtest-2	Ant.0	21.00	21.00	21.00	20.00	20.00	20.00	20.00	19.50	18.50	18.50	19.50
HSUPA Subtest-3	Ant.0	22.00	22.00	22.00	21.00	21.00	21.00	21.00	20.50	19.50	19.50	20.50
HSUPA Subtest-4	Ant.0	20.50	20.50	20.50	19.50	19.50	19.50	19.50	19.00	18.00	18.00	19.00
HSUPA Subtest-5	Ant.0	21.00	21.00	21.00	20.00	20.00	20.00	20.00	19.50	18.50	18.50	19.50
WCDMA Band5 RMC	Ant.1	25.00	22.50	22.00	25.00	25.00	25.00	25.00	24.00	25.00	24.00	25.00
HSDPA Subtest-1	Ant.1	24.50	22.00	21.50	24.50	24.50	24.50	24.50	23.50	24.50	23.50	24.50
HSDPA Subtest-2	Ant.1	23.50	21.00	20.50	23.50	23.50	23.50	23.50	22.50	23.50	22.50	23.50
HSDPA Subtest-3	Ant.1	23.50	21.00	20.50	23.50	23.50	23.50	23.50	22.50	23.50	22.50	23.50
HSDPA Subtest-4	Ant.1	23.00	20.50	20.00	23.00	23.00	23.00	23.00	22.00	23.00	22.00	23.00
HSUPA Subtest-1	Ant.1	22.00	19.50	19.00	22.00	22.00	22.00	22.00	21.00	22.00	21.00	22.00
HSUPA Subtest-2	Ant.1	22.00	19.50	19.00	22.00	22.00	22.00	22.00	21.00	22.00	21.00	22.00
HSUPA Subtest-3	Ant.1	23.00	20.50	20.00	23.00	23.00	23.00	23.00	22.00	23.00	22.00	23.00
HSUPA Subtest-4	Ant.1	22.00	19.50	19.00	22.00	22.00	22.00	22.00	21.00	22.00	21.00	22.00
HSUPA Subtest-5	Ant.1	23.00	20.50	20.00	23.00	23.00	23.00	23.00	22.00	23.00	22.00	23.00
WCDMA Band5 RMC	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	24.00	24.00	25.00
HSDPA Subtest-1	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	23.50	23.50	24.50
HSDPA Subtest-2	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	22.50	22.50	23.50
HSDPA Subtest-3	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	22.50	22.50	23.50
HSDPA Subtest-4	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	22.00	22.00	23.00
HSUPA Subtest-1	Ant.0	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	21.00	21.00	22.00
HSUPA Subtest-2	Ant.0	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	21.00	21.00	22.00
HSUPA Subtest-3	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	22.00	22.00	23.00

HSUPA Subtest-4	Ant.0	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	21.00	21.00	22.00
HSUPA Subtest-5	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	22.00	22.00	23.00
LTE Band 2	Ant.1	23.20	18.70	18.20	23.20	23.20	23.20	23.20	21.70	23.20	21.70	23.20
LTE Band 2	Ant.0	22.70	22.70	22.70	22.70	22.70	22.70	22.70	21.70	21.20	21.20	21.70
LTE Band 4	Ant.1	23.50	20.50	19.50	23.50	23.50	23.50	23.50	22.50	23.50	22.50	23.50
LTE Band 4	Ant.0	23.00	23.00	23.00	23.00	22.00	22.00	23.00	22.00	21.00	21.00	22.00
LTE Band 5	Ant.1	24.50	23.00	22.00	24.50	24.50	24.50	24.50	23.50	24.50	23.50	24.50
LTE Band 5	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band 7	Ant.1	23.20	16.70	15.70	21.20	20.20	21.20	20.20	19.20	19.20	19.20	19.20
LTE Band 7	Ant.0	23.00	23.00	23.00	23.00	22.00	22.00	23.00	22.00	21.00	21.00	22.00
LTE Band 12	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band 12	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band 13	Ant.1	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band 13	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band 17	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band 17	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band 26	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band 26	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band 66	Ant.1	23.50	20.00	19.50	23.50	23.50	23.50	23.50	22.00	23.50	22.00	23.50
LTE Band 66	Ant.0	23.00	23.00	23.00	23.00	22.00	22.00	23.00	21.00	21.00	21.00	21.00
LTE Band 38	Ant.1	24.00	18.00	17.00	24.00	21.50	24.00	21.50	22.50	20.00	22.50	20.00
LTE Band 38	Ant.0	23.80	23.80	23.80	23.80	23.80	23.80	23.80	23.80	23.80	23.80	23.80
LTE Band 41	Ant.1	24.00	17.50	17.00	24.00	21.50	24.00	21.50	22.50	20.00	22.50	20.00
LTE Band 41	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50

Mode	Band	Antenna	SA&ENDC Antenna										
			Full Power	Receiver on		Receiver off							
				Head		Body-Worn&Extremity				Body-Worn&Hotspot&Extremity			
				Standalone	Simultaneous transmission	Standalone				Simultaneous transmission			
					+2.4G/5G WLAN					+2.4G/5GWLAN			
			Off	Level1 (State5)	Level2 (State10)	Level3 (State1)	Level3 (State2)	Level3 (State3)	Level3 (State4)	Level4 (State 6)	Level4 (State 7)	Level4 (State 8)	Level4 (State 9)
5G NR n5 (SA)	n5	Ant.0	24.20	23.20	22.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
5G NR n5 (SA)	n5	Ant.1	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
DC_7A+n5A	n5	Ant.0	23.20	19.70	18.70	23.20	23.20	23.20	23.20	22.20	23.20	22.20	23.20
	n5	Ant.1	23.20	23.20	23.20	23.20	23.20	23.20	23.20	22.20	23.20	22.20	23.20
	LTE Band7	Ant.0	23.00	23.00	23.00	20.00	18.50	18.50	20.00	19.00	18.50	18.50	19.00
	LTE Band7	Ant.4	23.00	21.00	20.00	21.00	21.00	21.00	21.00	20.00	20.00	20.00	20.00
DC_66A+n5A	n5	Ant.0	23.20	19.70	18.70	23.20	23.20	23.20	23.20	22.20	23.20	22.20	23.20
	n5	Ant.1	23.20	23.20	23.20	23.20	23.20	23.20	23.20	22.20	23.20	22.20	23.20
	LTE Band66	Ant.0	23.00	23.00	23.00	19.00	18.50	18.50	19.00	18.50	18.50	18.50	18.50
	LTE Band66	Ant.4	23.00	21.00	20.00	21.00	21.00	21.00	21.00	20.00	20.00	20.00	20.00
5G NR n7 (SA)	n7	Ant.0	22.90	22.90	22.90	22.90	21.90	21.90	22.90	21.90	20.90	20.90	21.90
5G NR n7 (SA)	n7	Ant.1	23.40	16.90	15.90	21.40	20.40	21.40	20.40	19.40	19.40	19.40	19.40
DC_5A+n7A	n7	Ant.0	23.20	23.20	23.20	20.20	18.70	18.70	20.20	19.20	18.70	18.70	19.20
	n7	Ant.4	23.20	21.20	20.20	21.20	21.20	21.20	21.20	20.20	20.20	20.20	20.20
	LTE Band5	Ant.0	23.00	23.00	23.00	23.00	21.00	21.00	23.00	23.00	21.00	21.00	23.00
	LTE Band5	Ant.1	23.00	20.00	19.00	20.00	23.00	20.00	23.00	20.00	23.00	20.00	23.00
DC_66A+n7A	n7	Ant.0	23.20	23.20	23.20	20.20	18.70	18.70	20.20	19.20	18.70	18.70	19.20
	n7	Ant.4	23.20	21.20	20.20	21.20	21.20	21.20	21.20	20.20	20.20	20.20	20.20
	LTE Band66	Ant.1	24.00	18.00	17.00	20.00	22.00	20.00	22.00	20.00	21.00	20.00	21.00
	LTE Band66	Ant.3	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
5G NR n66 (SA)	n66	Ant.0	23.00	23.00	23.00	22.00	22.00	22.00	22.00	21.00	21.00	21.00	21.00
5G NR n66 (SA)	n66	Ant.1	23.50	20.00	19.50	23.50	23.50	23.50	23.50	22.00	23.50	22.00	23.50
5G NR n38 (SA)	n38	Ant.0	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70
5G NR n38 (SA)	n38	Ant.1	24.20	18.20	17.20	24.20	21.70	24.20	21.70	22.70	20.20	22.70	20.20
5G NR n41 (SA)	n41	Ant.0	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70
5G NR n41 (SA)	n41	Ant.1	24.20	19.20	18.20	24.20	21.70	24.20	21.70	22.70	19.70	22.70	19.70

DC_26A+n41A	n41	Ant.0	23.20	23.20	23.20	21.70	21.70	21.70	21.70	21.20	21.70	21.70	21.20
	n41	Ant.4	23.20	20.20	19.20	17.70	17.70	17.70	17.70	16.20	16.20	16.20	16.20
	LTE Band26	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
	LTE Band26	Ant.1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00

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

WLAN Reduced power level table

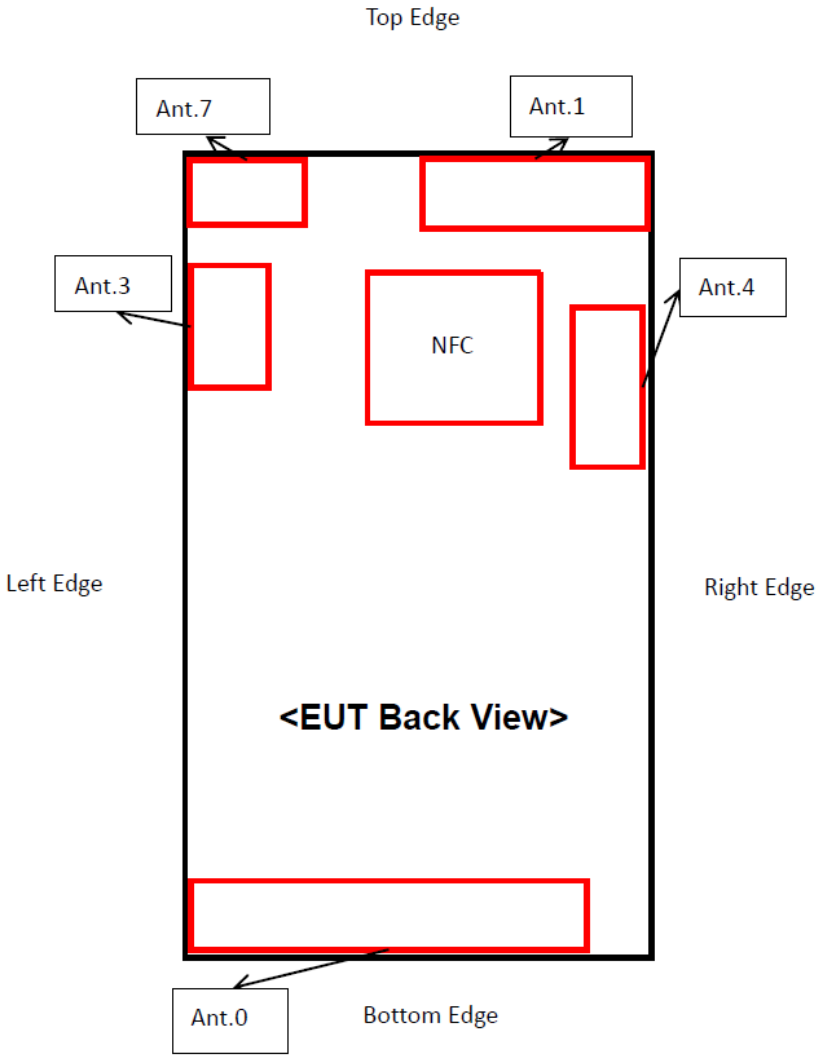
Mode	WLAN Antenna										
	Full Power	Receiver on		Receiver off							
		Head		Body-Worn&Extremity				Body-Worn&Hotspot&Extremity			
		Standalone	Simultaneous transmission	Standalone				Simultaneous transmission			
			WWAN+2.4G/5GWLAN					+2.4G/5GWLAN			
	Off	Level1 (State5)	Level2 (State10)	Level3 (State1)	Level3 (State2)	Level3 (State3)	Level3 (State4)	Level4 (State 6)	Level4 (State 7)	Level4 (State 8)	Level4 (State 9)
2.4G WLAN 802.11b	20.00	17.00	13.00	20.00	20.00	20.00	20.00	16.50	17.50	16.50	16.50
2.4G WLAN 802.11g	19.00	17.00	13.00	19.00	19.00	19.00	19.00	16.50	17.50	16.50	16.50
2.4G WLAN 802.11n20	19.00	17.00	13.00	19.00	19.00	19.00	19.00	16.50	17.50	16.50	16.50
2.4G WLAN 802.11n40	17.50	17.00	13.00	17.50	17.50	17.50	17.50	16.50	17.50	16.50	16.50
2.4G WLAN 802.11ac20	19.00	17.00	13.00	19.00	19.00	19.00	19.00	16.50	17.50	16.50	16.50
2.4G WLAN 802.11ac40	17.00	17.00	13.00	17.00	17.00	17.00	17.00	16.50	17.00	16.50	16.50
5.2G WLAN 802.11a	19.50	15.50	11.00	16.50	16.50	16.50	16.50	13.00	15.50	13.00	13.00
5.2G WLAN 802.11n20	19.50	15.50	11.00	16.50	16.50	16.50	16.50	13.00	15.50	13.00	13.00
5.2G WLAN 802.11n40	19.50	15.50	11.00	16.50	16.50	16.50	16.50	13.00	15.50	13.00	13.00
5.2G WLAN 802.11ac20	19.50	15.50	11.00	16.50	16.50	16.50	16.50	13.00	15.50	13.00	13.00
5.2G WLAN 802.11ac40	19.50	15.50	11.00	16.50	16.50	16.50	16.50	13.00	15.50	13.00	13.00
5.2G WLAN 802.11ac80	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
5.3G WLAN 802.11a	19.50	15.50	11.00	16.50	16.50	16.50	16.50	13.00	15.50	13.00	13.00
5.3G WLAN 802.11n20	19.50	15.50	11.00	16.50	16.50	16.50	16.50	13.00	15.50	13.00	13.00
5.3G WLAN 802.11n40	19.50	15.50	11.00	16.50	16.50	16.50	16.50	13.00	15.50	13.00	13.00
5.3G WLAN 802.11ac20	19.50	15.50	11.00	16.50	16.50	16.50	16.50	13.00	15.50	13.00	13.00
5.3G WLAN 802.11ac40	19.50	15.50	11.00	16.50	16.50	16.50	16.50	13.00	15.50	13.00	13.00
5.3G WLAN 802.11ac80	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
5.6G WLAN 802.11a	19.50	15.00	11.00	18.50	18.50	18.50	18.50	11.50	13.00	11.50	11.50
5.6G WLAN 802.11n20	19.50	15.00	11.00	18.50	18.50	18.50	18.50	11.50	13.00	11.50	11.50
5.6G WLAN 802.11n40	19.50	15.00	11.00	18.50	18.50	18.50	18.50	11.50	13.00	11.50	11.50
5.6G WLAN 802.11ac20	19.50	15.00	11.00	18.50	18.50	18.50	18.50	11.50	13.00	11.50	11.50
5.6G WLAN 802.11ac40	19.50	15.00	11.00	18.50	18.50	18.50	18.50	11.50	13.00	11.50	11.50
5.6G WLAN 802.11ac80	19.50	15.00	11.00	18.50	18.50	18.50	18.50	11.50	13.00	11.50	11.50
5.8G WLAN 802.11a	19.50	17.00	11.00	19.50	19.50	19.50	19.50	12.00	14.00	12.00	12.00

5.8G WLAN 802.11n20	19.50	17.00	11.00	19.50	19.50	19.50	19.50	12.00	14.00	12.00	12.00
5.8G WLAN 802.11n40	19.50	17.00	11.00	19.50	19.50	19.50	19.50	12.00	14.00	12.00	12.00
5.8G WLAN 802.11ac20	19.50	17.00	11.00	19.50	19.50	19.50	19.50	12.00	14.00	12.00	12.00
5.8G WLAN 802.11ac40	19.50	17.00	11.00	19.50	19.50	19.50	19.50	12.00	14.00	12.00	12.00
5.8G LAN 802.11ac80	19.50	17.00	11.00	19.50	19.50	19.50	19.50	12.00	14.00	12.00	12.00

Bluetooth Reduced power level table

Mode	Bluetooth Antenna																
	Full Power	Receiver on				Receiver off											
		Head				Body-Worn	Extremity		Body-Worn			Hotspot&Extremity					
		Stand alone	Simultaneous transmission			Standalone	Standalone		Simultaneous transmission								
			BT+5G WLAN	WWAN +BT	WWAN+5G WLAN+BT				BT+5G WLAN	WWAN +BT	WWAN+5G WLAN+BT	BT+5G WLAN	WWAN +BT	WWAN+5G WLAN+BT	BT+5G WLAN	WWAN +BT	WWAN+5G WLAN+BT
	Off	Level1	Level2	Level3	Level4	Level5 (Sensor Off)	Level5 (Sensor Off)	Level5 (Sensor On)	Level6 (Sensor Off)	Level7 (Sensor Off)	Level8 (Sensor Off)	Level6 (Sensor Off)	Level7 (Sensor Off)	Level8 (Sensor Off)	Level6 (Sensor On)	Level7 (Sensor On)	Level8 (Sensor On)
Bluetooth	14.00	14.00	14.00	13.00	12.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	13.00

9 TEST EXCLUSION CONSIDERATION



Antenna	Description	Support Bands
Antenna 0	2/3/4G LMHB TX Antenna 5G NR LMHB TX Antenna	GSM 850/1900 WCDMA Band 2/4/5 LTE Band 2/4/5/7/12/13/17/26/66/38/41 LTE Band 5/7/26/66(Only for ENDC) NR Band 5/7/38/41/66 NR Band 5/7/41 (Only for ENDC)
Antenna 1	2/3/4G LMHB TX Antenna 5G NR LMHB TX Antenna	GSM 850/1900 WCDMA Band 2/4/5 LTE Band 2/4/5/7/12/13/17/26/66/38/41 LTE Band 5/26/66(Only for ENDC) NR Band 5/7/38/41/66 NR Band5 (Only for ENDC)

Antenna 3	2/3/4G LMHB TX Antenna	LTE Band 66(Only for ENDC)
Antenna 4	2/3/4G MHB TX Antenna 5G NR MHB TX Antenna	LTE Band 7/66(Only for ENDC) NR Band7/41(Only for ENDC)
Antenna 7	WLAN 2.4G TX Antenna WLAN 5G TX Antenna Bluetooth TX Antenna	2.4G WLAN 5G WLAN Bluetooth
Note1: Note1: WWAN (except for ENDC) TX antennas for certain frequency band can switch automatically, but only one antenna can transmit at same time. Note2: Middle and High frequency Band (MHB). Note3: Low frequency Band (LB).		

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge(mm)	Bottom Edge(mm)
Ant.0	<25	<25	<25	<25	>25	<25
Ant.1	<25	<25	>25	<25	<25	>25
Ant.3	<25	<25	<25	>25	<25	>25
Ant.4	<25	<25	>25	<25	>25	>25
Ant.7	<25	<25	<25	>25	<25	>25
Note: 1.Per KDB 941225 DO6, When the overall length and width of a device is > 9 cm *5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.						

9.1 SAR Test Exclusion Consideration Table

According with FCC KDB 447498 D04, Appendix B, The SAR-based exemption formula applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold Pth (mW), this Device SAR test configurations consider as following :

ANT 0

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	Data	33.50	2238.72	Yes	Yes	Yes	Yes	No	Yes
GSM 1900	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	Data	30.00	1000.00	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	22.70	186.21	Yes	Yes	Yes	Yes	No	Yes
LTE Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	23.00	199.53	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 7	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	23.00	199.53	Yes	Yes	Yes	Yes	No	Yes
LTE Band 12	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 13	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 17	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 26	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 66	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	23.00	199.53	Yes	Yes	Yes	Yes	No	Yes
LTE Band 38	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	23.80	239.88	Yes	Yes	Yes	Yes	No	Yes
LTE Band 41	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm

	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	No	Yes
n5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	Yes	No	Yes
n7	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	DFT-s-OFDM QPSK	22.90	194.98	Yes	Yes	Yes	Yes	No	Yes
n66	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	DFT-s-OFDM QPSK	23.00	199.53	Yes	Yes	Yes	Yes	No	Yes
n38	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	DFT-s-OFDM QPSK	23.70	263.03	Yes	Yes	Yes	Yes	No	Yes
n41	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	DFT-s-OFDM QPSK	23.70	263.03	Yes	Yes	Yes	Yes	No	Yes

ANT 1

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	Data	33.50	2238.72	Yes	Yes	No	Yes	Yes	No
GSM 1900	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	Data	30.00	1000.00	Yes	Yes	No	Yes	Yes	No
WCDMA Band 2	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	24.50	281.84	Yes	Yes	No	Yes	Yes	No
WCDMA Band 4	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	24.50	281.84	Yes	Yes	No	Yes	Yes	No
WCDMA Band 5	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	25.00	316.23	Yes	Yes	No	Yes	Yes	No
LTE Band 2	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.20	208.93	Yes	Yes	No	Yes	Yes	No
LTE Band 4	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	No	Yes	Yes	No
LTE Band 5	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.20	208.93	Yes	Yes	No	Yes	Yes	No
LTE Band 12	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm

	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 13	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	No	Yes	Yes	No
LTE Band 17	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 26	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 66	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 38	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	No	Yes	Yes	No
LTE Band 41	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	No	Yes	Yes	No
n5	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	No	Yes	Yes	No
n7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	23.40	218.78	Yes	Yes	No	Yes	Yes	No
n66	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	23.50	223.87	Yes	Yes	No	Yes	Yes	No
n38	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	No	Yes	Yes	No
n41	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	No	Yes	Yes	No

ANT 3

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
LTE Band 66	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	QPSK	17.00	50.12	Yes	Yes	Yes	No	Yes	No

ANT 4

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	>25mm	<5mm	<5mm	>25mm
	QPSK	23.00	199.53	Yes	Yes	No	Yes	Yes	No
LTE Band 66	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.00	199.53	Yes	Yes	No	Yes	Yes	No
n7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	23.20	208.93	Yes	Yes	No	Yes	Yes	No
n41	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	23.20	208.93	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	>25mm	<5mm	>25mm
	802.11b	20.00	100.00	Yes	Yes	Yes	No	Yes	No
	802.11g	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	17.50	56.23	No	No	No	No	No	No
	802.11ac(VHT20)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT40)	17.00	50.12	No	No	No	No	No	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.50	89.13	No	No	No	No	No	No
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	11.00	12.59	No	No	No	No	No	No
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.50	89.13	No	No	No	No	No	No
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	19.50	89.13	Yes	Yes	Yes	No	Yes	No

WLAN 5.8 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.50	89.13	No	No	No	No	No	No
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
Bluetooth	Distance to User			<5mm	<5mm	<5mm	55mm	<5mm	116mm
	BT	14.00	25.12	Yes	Yes	Yes	No	Yes	No

Note:

1. Maximum power is the source-based time-average power and represents the maximum RF output power including tune-up tolerance among production units
2. Per KDB 447498 D04, 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 D04, 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 D04, for separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive), the threshold Pth (mW) is given by Following:

$$P_{th}(mW) = \begin{cases} ERP_{20cm}(d/20cm)^x & d \le 20cm \\ ERP_{20cm} & 20cm < d \le 40cm \end{cases}$$

where

$$x = -log_{10}\left(\frac{60}{ERP_{20cm}\sqrt{f}}\right)$$

   a. f(GHz) is the RF channel transmit frequency in GHz
   b. d is the separation distance (cm), The result is rounded to one decimal place for comparison
   c. ERP_{20cm} are determined by:

$$ERP_{20cm}(mW) = f(x) = \begin{cases} 2040f & 0.3GHz \le f < 1.5GHz \\ 3060 & 1.5GHz \le f \le 6GHz \end{cases}$$

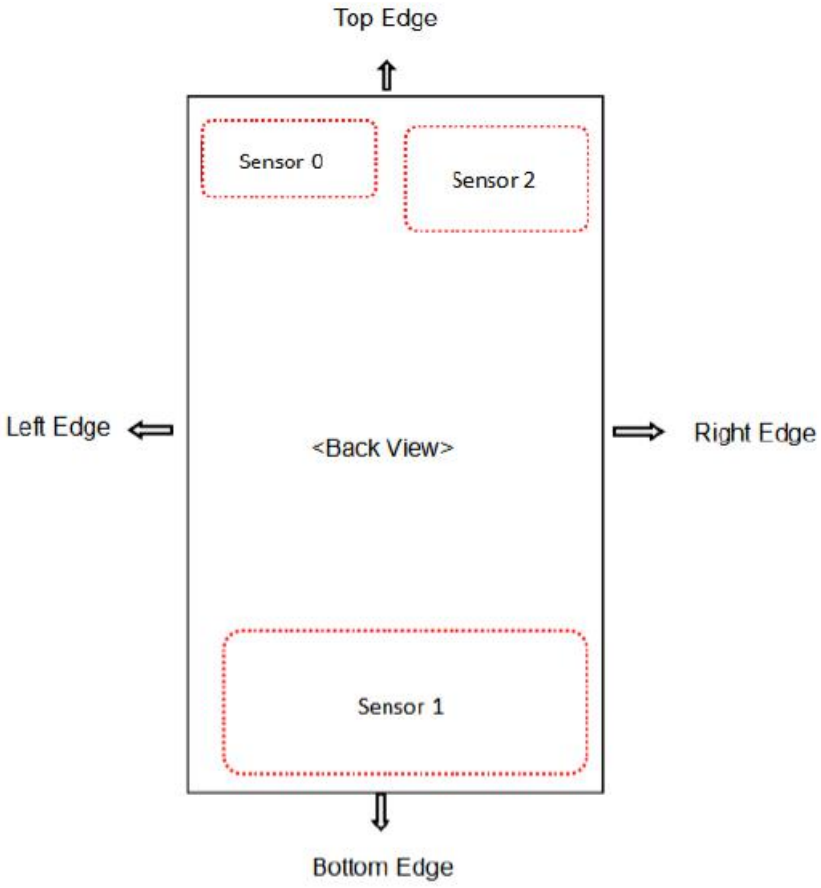
5. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If HSDPA /HSUPA /DC-HSDPA output power is < 0.25dB higher than RMC12.2Kbps, or reported SAR with RMC 12.2kbps setting is ≤ 1.2W/kg, HSDPA/HSUPA/DC-HSDPA SAR evaluation can be excluded.
6. Per KDB 248227 D01, choose the highest output 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
7. 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.
8. 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 Sensor layout



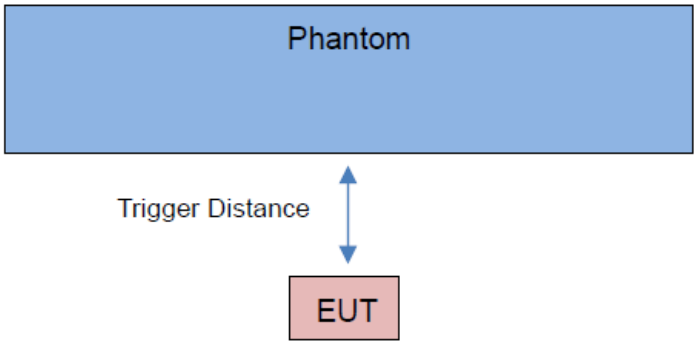
Sensor	EUT Sides	Additional SAR test Distance in mm
Sensor 0	Front Side	9
	Back Side	12
	Left Edge	9
	Right Edge	/
	Top Edge	9
	Bottom Edge	/
Sensor 1	Front Side	9
	Back Side	12
	Left Edge	/
	Right Edge	9
	Top Edge	/
	Bottom Edge	13

Sensor 2	Front Side	9
	Back Side	16
	Left Edge	/
	Right Edge	12
	Top Edge	17
	Bottom Edge	/

10.2 Procedures for determining proximity sensor distance

The device uses proximity sensors to reduce the maximum output power in selected wireless mode and operating configurations to ensure SAR compliance. The sensor implementation can identify and facilitate triggering different max power levels for different scenarios including the device held by hand(Extremity) and different exposure test positions test positions when the device is closed to a user's body.
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.

10.2.1 Proximity sensor 0



Distance in mm	1~7	8	9	10	11	12	13	14	15	16	17~22
Front Side	On	On	On	Off	Off	Off	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	Off	Off	Off	Off	Off
Left Edge	On	On	On	Off	Off	Off	Off	Off	Off	Off	Off
Top Edge	On	On	On	Off	Off	Off	Off	Off	Off	Off	Off
Note: Power reduction is only applicable for Ant.7											

10.2.2 Procedures for determining EUT tilt angle influences to proximity sensor triggering

The influence of EUT tilt angles to proximity sensor 0 triggering was determined by positioning each EUT edge that contains a transmitting antenna 7, perpendicular to the flat phantom, at 9 mm separation for the front side, 12 mm separation for the back side, 9 mm separation for the left edge and 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.

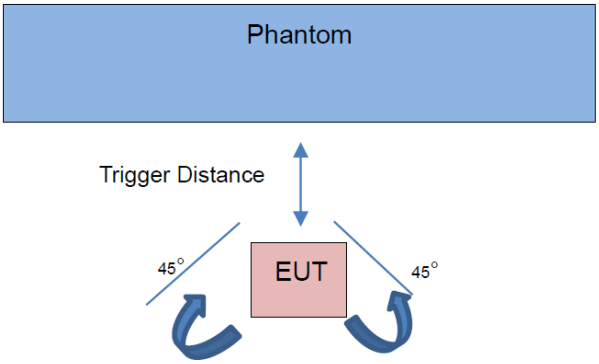


Table: Summary of Phone Tilt Angle Influence to Proximity Sensor Triggering

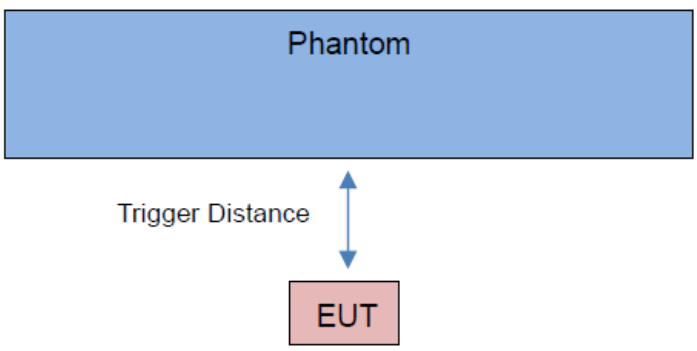
Antenna	Posltion	Minimum trigger distance at which power reduction was maintained over ±45°	Power Reduction Status										
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
ANT7	Left edge	9mm	on	on	on	on	on	on	on	on	on	on	on
ANT7	Top edge	9mm	on	on	on	on	on	on	on	on	on	on	on

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"

Ant.7 of proximity sensor 0

EUT Sides	Additional SAR test Distance in mm
Front Side	8
Back Side	11
Left Edge	8
Top Edge	8

10.2.3 Proximity sensor 1



Distance in mm	1~7	8	9	10	11	12	13	14	15	16	17~22
Front Side	On	On	On	Off	Off	Off	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	Off	Off	Off	Off	Off
Right Edge	On	On	On	Off	Off	Off	Off	Off	Off	Off	Off
Bottom Edge	On	On	On	On	On	On	On	Off	Off	Off	Off
Note: Power reduction is only applicable for Ant.0											

10.2.4 Procedures for determining EUT tilt angle influences to proximity sensor triggering

The influence of EUT tilt angles to proximity sensor 1 triggering was determined by positioning each EUT edge that contains a transmitting antenna 0, perpendicular to the flat phantom, at 9 mm separation for the front side, 12 mm separation for the back side, 9 mm separation for the right edge, 13 mm separation for the bottom 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.

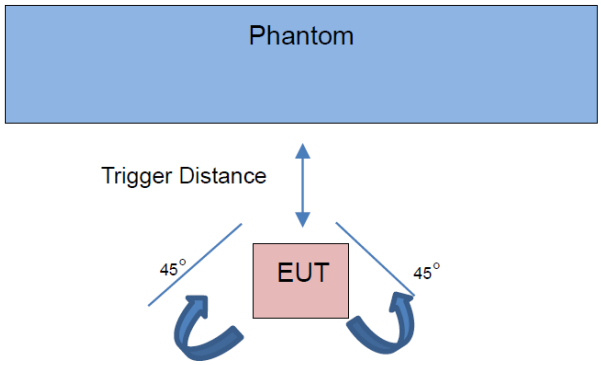


Table: Summary of Phone Tilt Angle Influence to Proximity Sensor Triggering

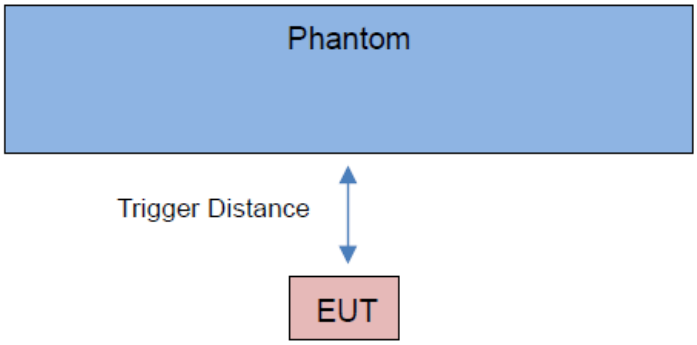
Antenna	Posltion	Minimum trigger distance at which power reduction was maintained over ±45°	Power Reduction Status										
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
ANT0	Left edge	9mm	on	on	on	on	on	on	on	on	on	on	on
ANT0	Right edge	9mm	on	on	on	on	on	on	on	on	on	on	on
ANT0	Bottom edge	13mm	on	on	on	on	on	on	on	on	on	on	on

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"

Ant.0 of proximity sensor 1

EUT Sides	Additional SAR test Distance in mm
Front Side	8
Back Side	11
Right Edge	8
Bottom Edge	12

10.2.5 Proximity sensor 2



Distance in mm	1~7	8	9	10	11	12	13	14	15	16	17~22
Front Side	On	On	On	Off	Off	Off	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	On	On	On	Off
Right Edge	On	On	On	On	On	On	Off	Off	Off	Off	Off
Top Edge	On	On	On	On	On	On	On	On	On	On	On
Note: Power reduction is only applicable for Ant.0											

10.2.6 Procedures for determining EUT tilt angle influences to proximity sensor triggering

The influence of EUT tilt angles to proximity sensor 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, 16 mm separation for the back side, 12 mm separation for the right edge, 17 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.

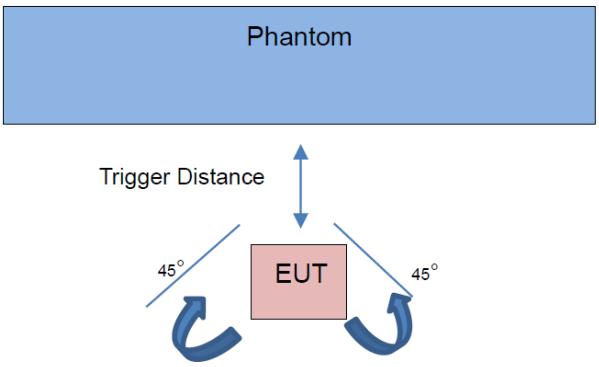


Table: Summary of Phone Tilt Angle Influence to Proximity Sensor Triggering

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°
ANT1	Right edge	12mm	on	on	on	on	on	on	on	on	on	on	on
ANT1	Top edge	17mm	on	on	on	on	on	on	on	on	on	on	on

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"

Ant.1 of proximity sensor 2

EUT Sides	Additional SAR test Distance in mm
Front Side	8
Back Side	15
Right Edge	11
Top Edge	16

11 TEST RESULT

11.1GSM 850

Antenna	Power Reductei on Level	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	Level1	State5	GPRS 2 slots	Left Cheek	0	128	824.2	0.19	0.602	29.82	30.50	1.169	0.704	/
Ant.1	Level1	State5	GPRS 2 slots	Left Tilt	0	128	824.2	0.05	0.552	29.82	30.50	1.169	0.646	/
Ant.1	Level1	State5	GPRS 2 slots	Right Cheek	0	128	824.2	0.04	0.943	29.82	30.50	1.169	1.103	/
Ant.1	Level1	State5	GPRS 2 slots	Right Tilt	0	128	824.2	0.10	0.778	29.82	30.50	1.169	0.910	/
Ant.1	Level1	State5	GPRS 2 slots	Right Cheek	0	190	836.6	0.16	0.975	29.76	30.50	1.186	1.156	/
Ant.1	Level1	State5	GPRS 2 slots	Right Cheek	0	251	848.8	-0.19	0.969	29.72	30.50	1.197	**1.160**	1#
Ant.1	Level1	State5	GPRS 2 slots	Right Tilt	0	190	836.6	0.09	0.800	29.76	30.50	1.186	0.949	/
Ant.1	Level1	State5	GPRS 2 slots	Right Tilt	0	251	848.8	0.12	0.793	29.72	30.50	1.197	0.949	/
Ant.1	Level2	State10	GPRS 2 slots	Left Cheek	0	128	824.2	0.11	0.478	28.98	29.50	1.127	0.539	/
Ant.1	Level2	State10	GPRS 2 slots	Left Tilt	0	128	824.2	0.08	0.439	28.98	29.50	1.127	0.495	/
Ant.1	Level2	State10	GPRS 2 slots	Right Cheek	0	128	824.2	0.14	0.719	28.98	29.50	1.127	0.810	/
Ant.1	Level2	State10	GPRS 2 slots	Right Tilt	0	128	824.2	-0.08	0.530	28.98	29.50	1.127	0.597	/
Ant.1	Level2	State10	GPRS 2 slots	Right Cheek	0	190	836.6	-0.16	0.780	28.91	29.50	1.146	0.894	/
Ant.1	Level2	State10	GPRS 2 slots	Right Cheek	0	251	848.8	-0.06	0.790	28.86	29.50	1.159	0.915	/
Ant.0	Level1&2	State5&10	GPRS 2 slots	Left Cheek	0	251	848.8	-0.15	0.296	30.39	31.50	1.291	0.382	/
Ant.0	Level1&2	State5&10	GPRS 2 slots	Left Tilt	0	251	848.8	-0.14	0.135	30.39	31.50	1.291	0.174	/
Ant.0	Level1&2	State5&10	GPRS 2 slots	Right Cheek	0	251	848.8	-0.04	0.199	30.39	31.50	1.291	0.257	/
Ant.0	Level1&2	State5&10	GPRS 2 slots	Right Tilt	0	251	848.8	-0.13	0.122	30.39	31.50	1.291	0.158	/
Body-worn														
Ant.1	Level3&4	State4&9	GPRS 2 slots	Front Side	15	128	824.2	-0.08	0.100	30.54	31.50	1.247	0.125	/
Ant.1	Level3&4	State3&8	GPRS 2 slots	Back Side	15	128	824.2	0.15	0.134	30.54	31.50	1.247	0.167	/
Ant.0	Level3&4	State4&9	GPRS 2 slots	Front Side	15	251	848.8	-0.16	0.144	30.39	31.50	1.291	0.186	/
Ant.0	Level3&4	State4&9	GPRS 2 slots	Back Side	15	251	848.8	-0.19	0.193	30.39	31.50	1.291	**0.249**	2#
Hotspot														
Ant.1	Level4	State9	GPRS 2 slots	Front Side	10	128	824.2	0.04	0.181	30.54	31.50	1.247	0.226	/
Ant.1	Level4	State8	GPRS 2 slots	Back Side	10	128	824.2	-0.01	0.256	30.54	31.50	1.247	0.319	/
Ant.1	Level4	State8	GPRS 2 slots	Right Edge	10	128	824.2	0.12	0.109	30.54	31.50	1.247	0.136	/
Ant.1	Level4	State6	GPRS 2 slots	Top Edge	10	128	824.2	0.02	0.221	30.54	31.50	1.247	0.276	/
Ant.0	Level4	State9	GPRS 2 slots	Front Side	10	251	848.8	0.08	0.181	30.39	31.50	1.291	0.234	/
Ant.0	Level4	State8	GPRS 2 slots	Back Side	10	251	848.8	-0.18	0.318	30.39	31.50	1.291	**0.411**	3#
Ant.0	Level4	State9	GPRS 2 slots	Left Edge	10	251	848.8	-0.12	0.119	30.39	31.50	1.291	0.154	/
Ant.0	Level4	State9	GPRS 2 slots	Right Edge	10	251	848.8	0.00	0.188	30.39	31.50	1.291	0.243	/
Ant.0	Level4	State7	GPRS 2 slots	Bottom Edge	10	251	848.8	0.06	0.226	30.39	31.50	1.291	0.292	/

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

11.2 GSM 1900

Antenna	Power Reductei on Level	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	Level1	State5	GPRS 2 slots	Left Cheek	0	810	1909.8	0.03	0.567	25.08	25.50	1.102	0.625	/
Ant.1	Level1	State5	GPRS 2 slots	Left Tilt	0	810	1909.8	0.02	0.625	25.08	25.50	1.102	0.688	/
Ant.1	Level1	State5	GPRS 2 slots	Right Cheek	0	810	1909.8	-0.06	0.965	25.08	25.50	1.102	1.063	/
Ant.1	Level1	State5	GPRS 2 slots	Right Tilt	0	810	1909.8	0.06	0.938	25.08	25.50	1.102	1.033	/
Ant.1	Level1	State5	GPRS 2 slots	Right Cheek	0	512	1850.2	0.03	0.840	25.08	25.50	1.102	0.925	/
Ant.1	Level1	State5	GPRS 2 slots	Right Cheek	0	661	1880.0	-0.15	0.951	25.01	25.50	1.119	**1.065**	4#
Ant.1	Level1	State5	GPRS 2 slots	Right Tilt	0	512	1850.2	-0.06	0.904	25.08	25.50	1.102	0.996	/
Ant.1	Level1	State5	GPRS 2 slots	Right Tilt	0	661	1880.0	0.16	0.910	25.01	25.50	1.119	1.019	/
Ant.1	Level2	State10	GPRS 2 slots	Left Cheek	0	512	1850.2	0.10	0.502	25.08	25.50	1.102	0.553	/
Ant.1	Level2	State10	GPRS 2 slots	Left Tilt	0	512	1850.2	0.12	0.543	24.58	25.00	1.102	0.598	/
Ant.1	Level2	State10	GPRS 2 slots	Right Cheek	0	512	1850.2	-0.15	0.768	24.58	25.00	1.102	0.846	/
Ant.1	Level2	State10	GPRS 2 slots	Right Tilt	0	512	1850.2	-0.03	0.736	24.58	25.00	1.102	0.811	/
Ant.1	Level2	State10	GPRS 2 slots	Right Cheek	0	661	1880.0	-0.19	0.815	24.50	25.00	1.122	0.914	/
Ant.1	Level2	State10	GPRS 2 slots	Right Cheek	0	810	1909.8	0.06	0.835	24.46	25.00	1.132	0.946	/
Ant.1	Level2	State10	GPRS 2 slots	Right Tilt	0	661	1880.0	0.04	0.780	24.58	25.00	1.102	0.859	/
Ant.1	Level2	State10	GPRS 2 slots	Right Tilt	0	810	1909.8	-0.11	0.806	24.58	25.00	1.102	0.888	/
Ant.0	Level1&2	State5&10	GPRS 2 slots	Left Cheek	0	512	1850.2	0.07	0.102	27.17	28.50	1.358	0.139	/
Ant.0	Level1&2	State5&10	GPRS 2 slots	Left Tilt	0	512	1850.2	0.03	0.048	27.17	28.50	1.358	0.065	/
Ant.0	Level1&2	State5&10	GPRS 2 slots	Right Cheek	0	512	1850.2	-0.05	0.092	27.17	28.50	1.358	0.125	/
Ant.0	Level1&2	State5&10	GPRS 2 slots	Right Tilt	0	512	1850.2	0.05	0.044	27.17	28.50	1.358	0.060	/
Body-worn														
Ant.1	Level3&4	State4&9	GPRS 2 slots	Front Side	15	810	1909.8	0.12	0.278	30.53	31.50	1.250	0.348	/
Ant.1	Level3&4	State3&8	GPRS 2 slots	Back Side	15	810	1909.8	0.17	0.405	30.53	31.50	1.250	**0.506**	5#
Ant.0	Level3&4	State4&9	GPRS 2 slots	Front Side	15	512	1850.2	-0.14	0.152	27.17	28.50	1.358	0.206	/
Ant.0	Level3&4	State4&9	GPRS 2 slots	Back Side	15	512	1850.2	0.10	0.233	27.17	28.50	1.358	0.316	/
Hotspot														
Ant.1	Level4	State9	GPRS 2 slots	Front Side	10	810	1909.8	-0.04	0.508	30.53	31.50	1.250	0.635	/
Ant.1	Level4	State8	GPRS 2 slots	Back Side	10	810	1909.8	0.19	0.661	30.53	31.50	1.250	0.826	/
Ant.1	Level4	State8	GPRS 2 slots	Right Edge	10	810	1909.8	0.07	0.199	30.53	31.50	1.250	0.249	/
Ant.1	Level4	State6	GPRS 2 slots	Top Edge	10	810	1909.8	0.10	0.760	30.53	31.50	1.250	**0.950**	6#
Ant.1	Level4	State8	GPRS 2 slots	Back Side	10	512	1850.2	-0.05	0.601	30.52	31.50	1.253	0.753	/
Ant.1	Level4	State8	GPRS 2 slots	Back Side	10	661	1880.0	0.01	0.540	30.46	31.50	1.271	0.686	/
Ant.1	Level4	State6	GPRS 2 slots	Top Edge	10	512	1850.2	-0.14	0.696	30.52	31.50	1.253	0.872	/
Ant.1	Level4	State6	GPRS 2 slots	Top Edge	10	661	1880.0	-0.09	0.614	30.46	31.50	1.271	0.780	/
Ant.0	Level4	State9	GPRS 2 slots	Front Side	10	512	1850.2	0.04	0.266	27.17	28.50	1.358	0.361	/
Ant.0	Level4	State8	GPRS 2 slots	Back Side	10	512	1850.2	-0.19	0.407	27.17	28.50	1.358	0.553	/

Ant.0	Level4	State9	GPRS 2 slots	Left Edge	10	512	1850.2	0.12	0.142	27.17	28.50	1.358	0.193	/
Ant.0	Level4	State9	GPRS 2 slots	Right Edge	10	512	1850.2	0.01	0.076	27.17	28.50	1.358	0.103	/
Ant.0	Level4	State7	GPRS 2 slots	Bottom Edge	10	512	1850.2	0.15	0.539	27.17	28.50	1.358	0.732	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.3WCDMA Band 2

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	Level1	State5	RMC	Left Cheek	0	9262	1852.4	0.16	0.558	18.65	19.50	1.216	0.679	/
Ant.1	Level1	State5	RMC	Left Tilt	0	9262	1852.4	-0.14	0.600	18.65	19.50	1.216	0.730	/
Ant.1	Level1	State5	RMC	Right Cheek	0	9262	1852.4	0.19	0.902	18.65	19.50	1.216	1.097	/
Ant.1	Level1	State5	RMC	Right Tilt	0	9262	1852.4	0.12	0.910	18.65	19.50	1.216	1.107	/
Ant.1	Level1	State5	RMC	Right Cheek	0	9400	1880.0	-0.02	0.858	18.53	19.50	1.250	1.073	/
Ant.1	Level1	State5	RMC	Right Cheek	0	9538	1907.6	0.04	0.952	18.65	19.50	1.216	1.158	/
Ant.1	Level1	State5	RMC	Right Tilt	0	9400	1880.0	-0.19	0.891	18.53	19.50	1.250	1.114	/
Ant.1	Level1	State5	RMC	Right Tilt	0	9538	1907.6	0.07	0.970	18.64	19.50	1.219	**1.182**	7#
Ant.1	Level2	State10	RMC	Left Cheek	0	9262	1852.4	0.05	0.441	17.26	18.50	1.330	0.587	/
Ant.1	Level2	State10	RMC	Left Tilt	0	9262	1852.4	0.11	0.486	17.26	18.50	1.330	0.647	/
Ant.1	Level2	State10	RMC	Right Cheek	0	9262	1852.4	-0.02	0.713	17.26	18.50	1.330	0.949	/
Ant.1	Level2	State10	RMC	Right Tilt	0	9262	1852.4	-0.14	0.722	17.26	18.50	1.330	0.961	/
Ant.1	Level2	State10	RMC	Right Cheek	0	9400	1880.0	0.00	0.652	17.14	18.00	1.219	0.795	/
Ant.1	Level2	State10	RMC	Right Cheek	0	9538	1907.6	-0.09	0.751	17.18	18.00	1.208	0.907	/
Ant.1	Level2	State10	RMC	Right Tilt	0	9400	1880.0	-0.05	0.796	17.14	18.00	1.219	0.970	/
Ant.1	Level2	State10	RMC	Right Tilt	0	9538	1907.6	0.14	0.764	17.18	18.00	1.208	0.923	/
Ant.0	Level1&2	State5&10	RMC	Left Cheek	0	9400	1880.0	-0.13	0.110	22.66	24.50	1.528	0.168	/
Ant.0	Level1&2	State5&10	RMC	Left Tilt	0	9400	1880.0	0.00	0.051	22.66	24.50	1.528	0.078	/
Ant.0	Level1&2	State5&10	RMC	Right Cheek	0	9400	1880.0	0.03	0.095	22.66	24.50	1.528	0.145	/
Ant.0	Level1&2	State5&10	RMC	Right Tilt	0	9400	1880.0	-0.02	0.046	22.66	24.50	1.528	0.070	/
Body-worn														
Ant.1	Level3	State4	RMC	Front Side	15	9538	1907.6	0.15	0.416	23.20	24.50	1.349	0.561	/
Ant.1	Level3	State3	RMC	Back Side	15	9262	1852.4	0.01	0.383	21.56	23.00	1.393	0.534	/
Ant.1	Level4	State9	RMC	Front Side	15	9262	1852.4	-0.04	0.285	21.56	23.00	1.393	0.397	/
Ant.1	Level4	State8	RMC	Back Side	15	9262	1852.4	-0.10	0.256	20.65	21.50	1.216	0.311	/
Ant.0	Level3	State4	RMC	Front Side	15	9400	1880.0	0.06	0.291	22.66	24.50	1.528	0.445	/
Ant.0	Level3	State4	RMC	Back Side	15	9400	1880.0	-0.08	0.501	22.66	24.50	1.528	**0.765**	8#
Ant.0	Level4	State9	RMC	Front Side	15	9400	1880.0	0.02	0.228	21.69	23.50	1.517	0.346	/
Ant.0	Level4	State9	RMC	Back Side	15	9400	1880.0	0.16	0.385	21.69	23.50	1.517	0.584	/
Hotspot														
Ant.1	Level4	State9	RMC	Front Side	10	9262	1852.4	0.17	0.405	21.56	23.00	1.393	0.564	/
Ant.1	Level4	State8	RMC	Back Side	10	9262	1852.4	-0.10	0.368	20.65	21.50	1.216	0.448	/
Ant.1	Level4	State8	RMC	Right Edge	10	9262	1852.4	-0.02	0.127	20.65	21.50	1.216	0.154	/
Ant.1	Level4	State6	RMC	Top Edge	10	9262	1852.4	0.16	0.390	20.65	21.50	1.216	0.474	/
Ant.0	Level4	State9	RMC	Front Side	10	9400	1880.0	0.01	0.258	21.69	23.50	1.517	0.391	/
Ant.0	Level4	State8	RMC	Back Side	10	9262	1852.4	0.12	0.310	19.85	22.00	1.641	0.509	/
Ant.0	Level4	State9	RMC	Left Edge	10	9400	1880.0	0.12	0.151	21.69	23.50	1.517	0.229	/

Ant.0	Level4	State9	RMC	Right Edge	10	9400	1880.0	-0.10	0.068	21.69	23.50	1.517	0.103	/
Ant.0	Level4	State7	RMC	Bottom Edge	10	9262	1852.4	-0.11	0.401	19.85	22.00	1.641	**0.658**	9#
P-sensor														
Ant.1	Full Power	/	RMC	Back Side	15	9538	1907.6	0.15	0.569	23.20	24.50	1.349	0.768	/
Ant.1	Full Power	/	RMC	Right Edge	11	9538	1907.6	0.03	0.236	23.20	24.50	1.349	0.318	/
Ant.1	Full Power	/	RMC	Top Edge	16	9538	1907.6	0.13	0.560	23.20	24.50	1.349	0.755	/
Ant.0	Full Power	/	RMC	Back Side	11	9400	1880.0	0.19	0.481	22.66	24.50	1.528	0.735	/
Ant.0	Full Power	/	RMC	Bottom Edge	12	9400	1880.0	-0.03	0.486	22.66	24.50	1.528	0.742	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

Antenna	Powrer Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-sensor														
Ant.1	Full Power	/	RMC	Front Side	8	9538	1907.6	-0.07	0.576	23.20	24.50	1.349	0.777	/
Ant.0	Full Power	/	RMC	Front Side	8	9400	1880.0	-0.01	0.233	22.66	24.50	1.528	0.356	/
Ant.0	Full Power	/	RMC	Right Edge	8	9400	1880.0	0.18	0.063	22.66	24.50	1.528	0.096	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.4WCDMA Band 4

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	Level1	State5	RMC	Left Cheek	0	1312	1712.4	0.01	0.502	19.80	21.00	1.318	0.662	/
Ant.1	Level1	State5	RMC	Left Tilt	0	1312	1712.4	-0.10	0.571	19.80	21.00	1.318	0.753	/
Ant.1	Level1	State5	RMC	Right Cheek	0	1312	1712.4	-0.19	0.735	19.80	21.00	1.318	0.969	/
Ant.1	Level1	State5	RMC	Right Tilt	0	1312	1712.4	0.17	0.756	19.80	21.00	1.318	0.997	/
Ant.1	Level1	State5	RMC	Right Cheek	0	1412	1732.4	0.18	0.751	19.69	21.00	1.352	1.015	/
Ant.1	Level1	State5	RMC	Right Cheek	0	1513	1752.6	-0.04	0.796	19.68	21.00	1.355	1.079	/
Ant.1	Level1	State5	RMC	Right Tilt	0	1412	1732.4	-0.12	0.790	19.69	21.00	1.352	1.068	/
Ant.1	Level1	State5	RMC	Right Tilt	0	1513	1752.6	-0.07	0.842	19.68	21.00	1.355	**1.141**	10#
Ant.1	Level2	State10	RMC	Left Cheek	0	1312	1712.4	0.18	0.396	18.67	20.00	1.358	0.538	/
Ant.1	Level2	State10	RMC	Left Tilt	0	1312	1712.4	-0.02	0.451	18.67	20.00	1.358	0.613	/
Ant.1	Level2	State10	RMC	Right Cheek	0	1312	1712.4	0.14	0.583	18.67	20.00	1.358	0.792	/
Ant.1	Level2	State10	RMC	Right Tilt	0	1312	1712.4	0.15	0.624	18.67	20.00	1.358	0.848	/
Ant.1	Level2	State10	RMC	Right Tilt	0	1412	1732.4	0.05	0.601	18.54	20.00	1.400	0.841	/
Ant.1	Level2	State10	RMC	Right Tilt	0	1513	1752.6	-0.07	0.658	18.55	20.00	1.396	0.919	/
Ant.0	Level1&2	State5&10	RMC	Left Cheek	0	1412	1732.4	0.14	0.089	22.70	24.50	1.514	0.135	/
Ant.0	Level1&2	State5&10	RMC	Left Tilt	0	1412	1732.4	-0.07	0.039	22.70	24.50	1.514	0.059	/
Ant.0	Level1&2	State5&10	RMC	Right Cheek	0	1412	1732.4	-0.12	0.052	22.70	24.50	1.514	0.079	/
Ant.0	Level1&2	State5&10	RMC	Right Tilt	0	1412	1732.4	0.08	0.044	22.70	24.50	1.514	0.067	/
Body-worn														
Ant.1	Level3&4	State4&9	RMC	Front Side	15	1513	1752.6	-0.10	0.204	23.24	24.50	1.337	0.273	/
Ant.1	Level3	State3	RMC	Back Side	15	1312	1712.4	0.12	0.208	22.16	23.50	1.361	0.283	/
Ant.1	Level4	State8	RMC	Back Side	15	1312	1712.4	-0.06	0.163	21.18	22.50	1.355	0.221	/
Ant.0	Level3	State4	RMC	Front Side	15	1312	1712.4	0.11	0.127	21.68	23.50	1.521	0.193	/
Ant.0	Level3	State4	RMC	Back Side	15	1312	1712.4	0.07	0.219	21.68	23.50	1.521	**0.333**	11#
Ant.0	Level4	State9	RMC	Front Side	15	1312	1712.4	0.05	0.112	21.33	23.00	1.469	0.165	/
Ant.0	Level4	State9	RMC	Back Side	15	1312	1712.4	-0.13	0.190	21.33	23.00	1.469	0.279	/
Hotspot														
Ant.1	Level4	State9	RMC	Front Side	10	1513	1752.6	0.16	0.324	23.24	24.50	1.337	0.433	/
Ant.1	Level4	State8	RMC	Back Side	10	1312	1712.4	-0.05	0.315	21.18	22.50	1.355	0.427	/
Ant.1	Level4	State8	RMC	Right Edge	10	1312	1712.4	0.08	0.074	21.18	22.50	1.355	0.100	/
Ant.1	Level4	State6	RMC	Top Edge	10	1513	1752.6	0.05	0.258	21.18	22.50	1.355	0.350	/
Ant.0	Level4	State9	RMC	Front Side	10	1312	1712.4	-0.13	0.209	21.33	23.00	1.469	0.307	/
Ant.0	Level4	State8	RMC	Back Side	10	1312	1712.4	-0.09	0.304	20.13	22.00	1.538	0.468	/
Ant.0	Level4	State9	RMC	Left Edge	10	1312	1712.4	0.19	0.098	21.33	23.00	1.469	0.144	/
Ant.0	Level4	State9	RMC	Right Edge	10	1312	1712.4	-0.11	0.043	21.33	23.00	1.469	0.063	/
Ant.0	Level4	State7	RMC	Bottom Edge	10	1312	1712.4	-0.14	0.341	20.13	22.00	1.538	**0.525**	12#
P-sensor														

Ant.1	Full Power	/	RMC	Back Side	15	1513	1752.6	0.02	0.257	23.24	24.50	1.337	0.344	/
Ant.1	Full Power	/	RMC	Right Edge	11	1513	1752.6	0.10	0.107	23.24	24.50	1.337	0.143	/
Ant.1	Full Power	/	RMC	Top Edge	16	1513	1752.6	-0.05	0.296	23.24	24.50	1.337	0.396	/
Ant.0	Full Power	/	RMC	Back Side	11	1412	1732.4	-0.02	0.404	22.70	24.50	1.514	0.611	/
Ant.0	Full Power	/	RMC	Bottom Edge	12	1412	1732.4	0.16	0.528	22.70	24.50	1.514	0.799	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

Antenna	Powrer Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-sensor														
Ant.1	Full Power	/	RMC	Front Side	8	1513	1752.6	-0.14	0.576	23.24	24.50	1.337	0.770	/
Ant.0	Full Power	/	RMC	Front Side	8	1412	1732.4	-0.13	0.233	22.70	24.50	1.514	0.353	/
Ant.0	Full Power	/	RMC	Right Edge	8	1412	1732.4	-0.19	0.063	22.70	24.50	1.514	0.095	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.5WCDMA Band 5

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	Level1	State5	RMC	Left Cheek	0	4132	826.4	0.15	0.471	21.12	22.50	1.374	0.647	/
Ant.1	Level1	State5	RMC	Left Tilt	0	4132	826.4	-0.09	0.440	21.12	22.50	1.374	0.605	/
Ant.1	Level1	State5	RMC	Right Cheek	0	4132	826.4	0.07	0.680	21.12	22.50	1.374	0.934	/
Ant.1	Level1	State5	RMC	Right Tilt	0	4132	826.4	0.12	0.628	21.12	22.50	1.374	0.863	/
Ant.1	Level1	State5	RMC	Right Cheek	0	4182	836.4	0.10	0.707	21.01	22.50	1.409	**0.996**	13#
Ant.1	Level1	State5	RMC	Right Cheek	0	4233	846.6	-0.15	0.693	20.93	22.50	1.435	0.995	/
Ant.1	Level1	State5	RMC	Right Tilt	0	4182	836.4	0.18	0.651	21.01	22.50	1.409	0.917	/
Ant.1	Level1	State5	RMC	Right Tilt	0	4233	846.6	-0.11	0.632	20.93	22.50	1.435	0.907	/
Ant.1	Level2	State10	RMC	Left Cheek	0	4132	826.4	-0.13	0.405	20.49	22.00	1.416	0.573	/
Ant.1	Level2	State10	RMC	Left Tilt	0	4132	826.4	0.03	0.383	20.49	22.00	1.416	0.542	/
Ant.1	Level2	State10	RMC	Right Cheek	0	4132	826.4	0.03	0.584	20.49	22.00	1.416	0.827	/
Ant.1	Level2	State10	RMC	Right Tilt	0	4132	826.4	-0.01	0.540	20.49	22.00	1.416	0.765	/
Ant.1	Level2	State10	RMC	Right Cheek	0	4182	836.4	0.00	0.610	20.33	22.00	1.469	0.896	/
Ant.1	Level2	State10	RMC	Right Cheek	0	4233	846.6	-0.06	0.598	20.32	22.00	1.472	0.880	/
Ant.0	Level1&2	State5&10	RMC	Left Cheek	0	4132	826.4	0.09	0.118	23.62	25.00	1.374	0.162	/
Ant.0	Level1&2	State5&10	RMC	Left Tilt	0	4132	826.4	0.05	0.063	23.62	25.00	1.374	0.087	/
Ant.0	Level1&2	State5&10	RMC	Right Cheek	0	4132	826.4	-0.16	0.093	23.62	25.00	1.374	0.128	/
Ant.0	Level1&2	State5&10	RMC	Right Tilt	0	4132	826.4	0.16	0.051	23.62	25.00	1.374	0.070	/
Body-worn														
Ant.1	Level3&4	State4&9	RMC	Front Side	15	4132	826.4	0.01	0.087	23.68	25.00	1.355	0.118	/
Ant.1	Level3	State3	RMC	Back Side	15	4132	826.4	0.03	0.114	23.68	25.00	1.355	0.154	/
Ant.1	Level4	State8	RMC	Back Side	15	4132	826.4	-0.06	0.090	22.56	24.00	1.393	0.125	/
Ant.0	Level3&4	State4&9	RMC	Front Side	15	4132	826.4	0.15	0.096	23.62	25.00	1.374	0.132	/
Ant.0	Level3&4	State4&9	RMC	Back Side	15	4132	826.4	-0.05	0.133	23.62	25.00	1.374	**0.183**	14#
Hotspot														
Ant.1	Level4	State9	RMC	Front Side	10	4132	826.4	-0.15	0.141	23.68	25.00	1.355	0.191	/
Ant.1	Level4	State8	RMC	Back Side	10	4132	826.4	-0.10	0.195	22.56	24.00	1.393	0.272	/
Ant.1	Level4	State8	RMC	Right Edge	10	4132	826.4	-0.01	0.070	22.56	24.00	1.393	0.098	/
Ant.1	Level4	State6	RMC	Top Edge	10	4132	826.4	-0.03	0.160	22.56	24.00	1.393	0.223	/
Ant.0	Level4	State9	RMC	Front Side	10	4132	826.4	0.04	0.113	23.62	25.00	1.374	0.155	/
Ant.0	Level4	State8	RMC	Back Side	10	4132	826.4	0.01	0.212	22.62	24.00	1.374	**0.291**	15#
Ant.0	Level4	State9	RMC	Left Edge	10	4132	826.4	0.04	0.096	23.62	25.00	1.374	0.132	/
Ant.0	Level4	State9	RMC	Right Edge	10	4132	826.4	0.03	0.131	23.62	25.00	1.374	0.180	/
Ant.0	Level4	State7	RMC	Bottom Edge	10	4132	826.4	0.09	0.147	22.62	24.00	1.374	0.202	/

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

11.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	State5	QPSK	Left Cheek	0	18900	1880	1	Mid	-0.12	0.623	18.06	18.70	1.159	0.722	/
Ant.1	Level1	State5	QPSK	Left Cheek	0	19100	1900	50	Mid	-0.08	0.653	18.10	18.70	1.148	0.750	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	18900	1880	1	Mid	-0.01	0.678	18.06	18.70	1.159	0.786	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	19100	1900	50	Mid	-0.17	0.694	18.10	18.70	1.148	0.797	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	18900	1880	1	Mid	-0.15	0.890	18.06	18.70	1.159	1.031	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	19100	1900	50	Mid	0.08	0.922	18.10	18.70	1.148	1.059	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	18900	1880	1	Mid	-0.06	0.968	18.06	18.70	1.159	1.122	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	19100	1900	50	Mid	-0.04	1.040	18.10	18.70	1.148	**1.194**	16#
Ant.1	Level1	State5	QPSK	Right Cheek	0	18700	1860	1	Mid	-0.08	0.963	17.95	18.70	1.189	1.145	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	19100	1900	1	Mid	-0.02	0.956	18.01	18.70	1.172	1.121	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	18700	1860	50	Mid	-0.12	0.920	17.92	18.70	1.197	1.101	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	18900	1880	50	Mid	-0.03	0.895	17.95	18.70	1.189	1.064	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	19100	1900	100	Low	-0.09	0.903	17.92	18.70	1.197	1.081	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	18700	1860	1	Mid	0.01	0.958	17.95	18.70	1.189	1.139	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	19100	1900	1	Mid	-0.18	0.984	18.01	18.70	1.172	1.153	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	18700	1860	50	Mid	0.01	0.930	17.92	18.70	1.197	1.113	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	18900	1880	50	Mid	-0.18	0.956	17.95	18.70	1.189	1.136	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	19100	1900	100	Low	-0.12	0.935	17.92	18.70	1.197	1.119	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	18900	1880	1	Mid	0.11	0.570	17.33	18.20	1.222	0.696	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	19100	1900	50	Mid	-0.01	0.533	17.31	18.20	1.227	0.654	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	18900	1880	1	Mid	-0.18	0.626	17.33	18.20	1.222	0.765	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	19100	1900	50	Mid	0.07	0.630	17.31	18.20	1.227	0.773	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	18900	1880	1	Mid	0.09	0.806	17.33	18.20	1.222	0.985	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	19100	1900	50	Mid	0.12	0.903	17.31	18.20	1.227	1.108	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	18900	1880	1	Mid	-0.15	0.887	17.33	18.20	1.222	1.084	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	19100	1900	50	Mid	-0.19	0.918	17.31	18.20	1.227	1.127	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	18700	1860	1	Mid	0.12	0.850	17.24	18.20	1.247	1.060	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	19100	1900	1	Mid	-0.03	0.846	17.23	18.20	1.250	1.058	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	18700	1860	50	Mid	-0.07	0.810	17.26	18.20	1.242	1.006	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	18900	1880	50	Low	-0.14	0.791	17.30	18.20	1.230	0.973	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	18900	1880	100	Low	0.13	0.798	17.24	18.20	1.247	0.995	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	18700	1860	1	Mid	-0.18	0.846	17.24	18.20	1.247	1.055	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	19100	1900	1	Mid	0.09	0.869	17.23	18.20	1.250	1.086	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	18700	1860	50	Mid	0.19	0.825	17.26	18.20	1.242	1.024	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	18900	1880	50	Low	0.16	0.842	17.30	18.20	1.230	1.036	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	18900	1880	100	Low	0.15	0.813	17.24	18.20	1.247	1.014	/

Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	18900	1880	1	Mid	0.04	0.081	21.47	22.70	1.327	0.108	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	19100	1900	50	Mid	0.08	0.065	20.46	21.70	1.330	0.086	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	18900	1880	1	Mid	-0.14	0.011	21.47	22.70	1.327	0.015	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	19100	1900	50	Mid	-0.01	0.008	20.46	21.70	1.330	0.011	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	18900	1880	1	Mid	0.04	0.075	21.47	22.70	1.327	0.100	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	19100	1900	50	Mid	0.06	0.059	20.46	21.70	1.330	0.078	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	18900	1880	1	Mid	-0.05	0.036	21.47	22.70	1.327	0.048	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	19100	1900	50	Mid	0.19	0.033	20.46	21.70	1.330	0.044	/
Body-worn																
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	18900	1880	1	Mid	-0.08	0.276	22.42	23.20	1.197	0.330	/
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	19100	1900	50	Mid	-0.13	0.213	21.37	22.20	1.211	0.258	/
Ant.1	Level3	State3	QPSK	Back Side	15	18900	1880	1	Mid	0.14	0.364	22.42	23.20	1.197	**0.436**	17#
Ant.1	Level3	State3	QPSK	Back Side	15	19100	1900	50	Mid	0.10	0.297	21.37	22.20	1.211	0.360	/
Ant.1	Level4	State8	QPSK	Back Side	15	18900	1880	1	Mid	0.05	0.254	20.78	21.70	1.236	0.314	/
Ant.1	Level4	State8	QPSK	Back Side	15	19100	1900	50	Mid	-0.08	0.259	20.77	21.70	1.239	0.321	/
Ant.0	Level3	State4	QPSK	Front Side	15	18900	1880	1	Mid	-0.19	0.160	21.47	22.70	1.327	0.212	/
Ant.0	Level3	State4	QPSK	Front Side	15	19100	1900	50	Mid	0.13	0.122	20.46	21.70	1.330	0.162	/
Ant.0	Level3	State4	QPSK	Back Side	15	18900	1880	1	Mid	-0.11	0.252	21.47	22.70	1.327	0.335	/
Ant.0	Level3	State4	QPSK	Back Side	15	19100	1900	50	Mid	-0.16	0.195	20.46	21.70	1.330	0.259	/
Ant.0	Level4	State9	QPSK	Front Side	15	18900	1880	1	High	-0.04	0.128	20.42	21.70	1.343	0.172	/
Ant.0	Level4	State9	QPSK	Front Side	15	19100	1900	50	High	0.09	0.124	20.46	21.70	1.330	0.165	/
Ant.0	Level4	State9	QPSK	Back Side	15	18900	1880	1	High	-0.10	0.202	20.42	21.70	1.343	0.271	/
Ant.0	Level4	State9	QPSK	Back Side	15	19100	1900	50	High	0.05	0.197	20.46	21.70	1.330	0.262	/
Hotspot																
Ant.1	Level4	State9	QPSK	Front Side	10	18900	1880	1	Mid	0.04	0.524	22.42	23.20	1.197	0.627	/
Ant.1	Level4	State9	QPSK	Front Side	10	19100	1900	50	Mid	-0.08	0.409	21.37	22.20	1.211	0.495	/
Ant.1	Level4	State8	QPSK	Back Side	10	18900	1880	1	Mid	0.08	0.473	20.78	21.70	1.236	0.585	/
Ant.1	Level4	State8	QPSK	Back Side	10	19100	1900	50	Mid	-0.19	0.465	20.77	21.70	1.239	0.576	/
Ant.1	Level4	State8	QPSK	Right Edge	10	18900	1880	1	Mid	0.09	0.156	20.78	21.70	1.236	0.193	/
Ant.1	Level4	State8	QPSK	Right Edge	10	19100	1900	50	Mid	0.07	0.161	20.77	21.70	1.239	0.199	/
Ant.1	Level4	State6	QPSK	Top Edge	10	18900	1880	1	Mid	0.14	0.492	20.78	21.70	1.236	0.608	/
Ant.1	Level4	State6	QPSK	Top Edge	10	19100	1900	50	Mid	-0.10	0.480	20.77	21.70	1.239	0.595	/
Ant.0	Level4	State9	QPSK	Front Side	10	18900	1880	1	High	-0.12	0.266	20.42	21.70	1.343	0.357	/
Ant.0	Level4	State9	QPSK	Front Side	10	19100	1900	50	High	-0.05	0.250	20.46	21.70	1.330	0.333	/
Ant.0	Level4	State8	QPSK	Back Side	10	18900	1880	1	High	0.01	0.438	19.96	21.20	1.330	0.583	/
Ant.0	Level4	State8	QPSK	Back Side	10	18700	1860	50	Mid	0.03	0.408	19.94	21.20	1.337	0.545	/
Ant.0	Level4	State9	QPSK	Left Edge	10	18900	1880	1	High	-0.11	0.149	20.42	21.70	1.343	0.200	/
Ant.0	Level4	State9	QPSK	Left Edge	10	19100	1900	50	High	-0.14	0.134	20.46	21.70	1.330	0.178	/
Ant.0	Level4	State9	QPSK	Right Edge	10	18900	1880	1	High	0.17	0.065	20.42	21.70	1.343	0.087	/
Ant.0	Level4	State9	QPSK	Right Edge	10	19100	1900	50	High	0.03	0.064	20.46	21.70	1.330	0.085	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	18900	1880	1	High	0.12	0.538	19.96	21.20	1.330	**0.716**	18#
Ant.0	Level4	State7	QPSK	Bottom Edge	10	18700	1860	50	Mid	0.08	0.526	19.94	21.20	1.337	0.703	/

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

11.7LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	State5	QPSK	Left Cheek	0	20175	1732.5	1	Mid	-0.18	0.618	19.50	20.50	1.259	0.778	/
Ant.1	Level1	State5	QPSK	Left Cheek	0	20175	1732.5	50	Mid	-0.08	0.612	19.46	20.50	1.271	0.778	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	20175	1732.5	1	Mid	-0.03	0.668	19.50	20.50	1.259	0.841	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	20175	1732.5	50	Mid	-0.18	0.659	19.46	20.50	1.271	0.837	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20175	1732.5	1	Mid	-0.15	0.908	19.50	20.50	1.259	1.143	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20175	1732.5	50	Mid	0.13	0.881	19.46	20.50	1.271	1.119	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	20175	1732.5	1	Mid	0.16	0.913	19.50	20.50	1.259	1.149	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	20175	1732.5	50	Mid	-0.08	0.886	19.46	20.50	1.271	1.126	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	20050	1720	1	Mid	-0.13	0.655	19.46	20.50	1.271	0.832	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	20300	1745	1	Mid	-0.14	0.636	19.46	20.50	1.271	0.808	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	20050	1720	50	Mid	-0.13	0.656	19.46	20.50	1.271	0.833	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	20300	1745	50	Mid	0.02	0.637	19.45	20.50	1.274	0.811	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	20175	1732.5	100	Low	0.08	0.661	19.35	20.50	1.303	0.861	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20050	1720	1	Mid	0.15	0.899	19.46	20.50	1.271	1.142	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20300	1745	1	Mid	0.15	0.872	19.46	20.50	1.271	1.108	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20050	1720	50	Mid	0.15	0.899	19.46	20.50	1.271	1.142	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20300	1745	50	Mid	-0.10	0.872	19.45	20.50	1.274	1.110	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20175	1732.5	100	Low	-0.12	0.902	19.35	20.50	1.303	1.175	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	20050	1720	1	Mid	-0.16	0.876	19.46	20.50	1.271	1.113	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	20300	1745	1	Mid	-0.06	0.937	19.46	20.50	1.271	**1.191**	19#
Ant.1	Level1	State5	QPSK	Right Tilt	0	20050	1720	50	Mid	0.11	0.937	19.46	20.50	1.271	1.191	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	20300	1745	50	Mid	0.03	0.930	19.45	20.50	1.274	1.184	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	20175	1732.5	100	Low	0.11	0.909	19.35	20.50	1.303	1.185	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	20300	1745	1	Mid	-0.07	0.460	18.20	19.50	1.349	0.621	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	20175	1732.5	50	Mid	-0.08	0.442	18.20	19.50	1.349	0.596	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	20300	1745	1	Mid	-0.09	0.528	18.20	19.50	1.349	0.712	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	20175	1732.5	50	Mid	0.18	0.502	18.20	19.50	1.349	0.677	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	20300	1745	1	Mid	0.07	0.708	18.20	19.50	1.349	0.955	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	20175	1732.5	50	Mid	-0.03	0.694	18.20	19.50	1.349	0.936	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	20300	1745	1	Mid	0.02	0.733	18.20	19.50	1.349	0.989	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	20175	1732.5	50	Mid	-0.02	0.718	18.20	19.50	1.349	0.969	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	20050	1720	1	Mid	0.05	0.675	18.15	19.50	1.365	0.921	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	20175	1732.5	1	High	-0.08	0.689	18.19	19.50	1.352	0.932	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	20050	1720	50	Low	-0.15	0.676	18.09	19.50	1.384	0.935	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	20300	1745	50	Low	0.02	0.680	18.18	19.50	1.355	0.922	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	20175	1732.5	100	Low	0.10	0.665	18.16	19.50	1.361	0.905	/

Ant.1	Level2	State10	QPSK	Right Tilt	0	20050	1720	1	Mid	0.09	0.639	18.15	19.50	1.365	0.872	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	20175	1732.5	1	High	0.18	0.650	18.19	19.50	1.352	0.879	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	20050	1720	50	Low	-0.12	0.636	18.09	19.50	1.384	0.880	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	20300	1745	50	Low	-0.17	0.646	18.18	19.50	1.355	0.875	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	20175	1732.5	100	Low	-0.02	0.628	18.16	19.50	1.361	0.855	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	20300	1745	1	Mid	-0.10	0.075	22.06	23.00	1.242	0.093	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	20300	1745	50	Mid	-0.09	0.057	21.03	22.00	1.250	0.071	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	20300	1745	1	Mid	0.02	0.013	22.06	23.00	1.242	0.016	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	20300	1745	50	Mid	-0.19	0.009	21.03	22.00	1.250	0.011	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	20300	1745	1	Mid	0.11	0.042	22.06	23.00	1.242	0.052	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	20300	1745	50	Mid	0.03	0.014	21.03	22.00	1.250	0.018	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	20300	1745	1	Mid	0.01	0.009	22.06	23.00	1.242	0.011	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	20300	1745	50	Mid	0.03	0.006	21.03	22.00	1.250	0.008	/
Body-worn																
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	20175	1732.5	1	High	0.11	0.110	22.84	23.50	1.164	0.128	/
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	20300	1745	50	Mid	-0.10	0.087	21.79	22.50	1.178	0.102	/
Ant.1	Level3	State3	QPSK	Back Side	15	20175	1732.5	1	High	-0.01	0.150	22.84	23.50	1.164	0.175	/
Ant.1	Level3	State3	QPSK	Back Side	15	20300	1745	50	Mid	-0.02	0.136	21.79	22.50	1.178	0.160	/
Ant.1	Level4	State8	QPSK	Back Side	15	20300	1745	1	Mid	0.03	0.123	21.74	22.50	1.191	0.147	/
Ant.1	Level4	State8	QPSK	Back Side	15	20300	1745	50	Mid	-0.12	0.129	21.70	22.50	1.202	0.155	/
Ant.0	Level3	State4	QPSK	Front Side	15	20300	1745	1	Mid	-0.07	0.121	22.06	23.00	1.242	0.150	/
Ant.0	Level3	State4	QPSK	Front Side	15	20300	1745	50	Mid	0.11	0.085	21.03	22.00	1.250	0.106	/
Ant.0	Level3	State4	QPSK	Back Side	15	20300	1745	1	Mid	0.04	0.175	22.06	23.00	1.242	**0.217**	20#
Ant.0	Level3	State4	QPSK	Back Side	15	20300	1745	50	Mid	0.16	0.148	21.03	22.00	1.250	0.185	/
Ant.0	Level4	State9	QPSK	Front Side	15	20050	1720	1	Mid	-0.03	0.088	20.96	22.00	1.271	0.112	/
Ant.0	Level4	State9	QPSK	Front Side	15	20300	1745	50	Low	-0.07	0.086	21.05	22.00	1.245	0.107	/
Ant.0	Level4	State9	QPSK	Back Side	15	20050	1720	1	Mid	-0.18	0.168	20.96	22.00	1.271	0.213	/
Ant.0	Level4	State9	QPSK	Back Side	15	20300	1745	50	Low	0.04	0.165	21.05	22.00	1.245	0.205	/
Hotspot																
Ant.1	Level4	State9	QPSK	Front Side	10	20175	1732.5	1	High	-0.09	0.234	22.84	23.50	1.164	0.272	/
Ant.1	Level4	State9	QPSK	Front Side	10	20300	1745	50	Mid	0.05	0.203	21.79	22.50	1.178	0.239	/
Ant.1	Level4	State8	QPSK	Back Side	10	20300	1745	1	Mid	0.03	0.265	21.74	22.50	1.191	0.316	/
Ant.1	Level4	State8	QPSK	Back Side	10	20300	1745	50	Mid	-0.04	0.251	21.70	22.50	1.202	0.302	/
Ant.1	Level4	State8	QPSK	Right Edge	10	20300	1745	1	Mid	-0.07	0.078	21.74	22.50	1.191	0.093	/
Ant.1	Level4	State8	QPSK	Right Edge	10	20300	1745	50	Mid	0.09	0.075	21.70	22.50	1.202	0.090	/
Ant.1	Level4	State6	QPSK	Top Edge	10	20300	1745	1	Mid	-0.16	0.324	21.74	22.50	1.191	0.386	/
Ant.1	Level4	State6	QPSK	Top Edge	10	20300	1745	50	Mid	0.03	0.325	21.70	22.50	1.202	0.391	/
Ant.0	Level4	State9	QPSK	Front Side	10	20050	1720	1	Mid	0.08	0.175	20.96	22.00	1.271	0.222	/
Ant.0	Level4	State9	QPSK	Front Side	10	20300	1745	50	Low	0.13	0.180	21.05	22.00	1.245	0.224	/
Ant.0	Level4	State8	QPSK	Back Side	10	20300	1745	1	Mid	0.17	0.238	19.77	21.00	1.327	0.316	/
Ant.0	Level4	State8	QPSK	Back Side	10	20300	1745	50	High	-0.18	0.241	19.77	21.00	1.327	0.320	/
Ant.0	Level4	State9	QPSK	Left Edge	10	20050	1720	1	Mid	0.01	0.078	20.96	22.00	1.271	0.099	/
Ant.0	Level4	State9	QPSK	Left Edge	10	20300	1745	50	Low	-0.13	0.088	21.05	22.00	1.245	0.110	/

Ant.0	Level4	State9	QPSK	Right Edge	10	20050	1720	1	Mid	-0.12	0.036	20.96	22.00	1.271	0.046	/
Ant.0	Level4	State9	QPSK	Right Edge	10	20300	1745	50	Low	0.02	0.031	21.05	22.00	1.245	0.039	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	20300	1745	1	Mid	-0.03	0.333	20.96	22.00	1.271	**0.423**	21#
Ant.0	Level4	State7	QPSK	Bottom Edge	10	20300	1745	50	High	-0.11	0.326	21.05	22.00	1.245	0.406	/
P-sensor																
Ant.0	Full Power	/	QPSK	Back Side	11	20300	1745	1	Mid	-0.09	0.369	22.06	23.00	1.242	0.458	/
Ant.0	Full Power	/	QPSK	Back Side	11	20300	1745	50	Mid	0.01	0.295	21.03	22.00	1.250	0.369	/
Ant.0	Full Power	/	QPSK	Bottom Edge	12	20300	1745	1	Mid	-0.14	0.467	22.06	23.00	1.242	0.580	/
Ant.0	Full Power	/	QPSK	Bottom Edge	12	20300	1745	50	Mid	0.03	0.373	21.03	22.00	1.250	0.466	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Powrer Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-sensor																
Ant.0	Full Power	/	QPSK	Front Side	8	20300	1745	1	Mid	-0.06	0.228	22.06	23.00	1.242	0.283	/
Ant.0	Full Power	/	QPSK	Front Side	8	20300	1745	50	Mid	-0.14	0.182	21.03	22.00	1.250	0.228	/
Ant.0	Full Power	/	QPSK	Right Edge	8	20300	1745	1	Mid	0.08	0.066	22.06	23.00	1.242	0.082	/
Ant.0	Full Power	/	QPSK	Right Edge	8	20300	1745	50	Mid	0.06	0.055	21.03	22.00	1.250	0.069	/
Ant.0	Full Power	/	QPSK	Bottom Edge	8	20300	1745	1	Mid	-0.14	0.425	22.06	23.00	1.242	0.528	/
Ant.0	Full Power	/	QPSK	Bottom Edge	8	20300	1745	50	Mid	0.03	0.339	21.03	22.00	1.250	0.424	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	State5	QPSK	Left Cheek	0	20450	829	1	Mid	-0.11	0.412	21.77	23.00	1.327	0.547	/
Ant.1	Level1	State5	QPSK	Left Cheek	0	20450	829	25	Low	-0.12	0.404	21.79	23.00	1.321	0.534	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	20450	829	1	Mid	-0.17	0.360	21.77	23.00	1.327	0.477	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	20450	829	25	Low	-0.06	0.356	21.79	23.00	1.321	0.470	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20450	829	1	Mid	0.04	0.703	21.77	23.00	1.327	0.933	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20450	829	25	Low	0.13	0.688	21.79	23.00	1.321	0.909	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	20450	829	1	Mid	-0.13	0.521	21.77	23.00	1.327	0.691	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	20450	829	25	Low	0.08	0.495	21.79	23.00	1.321	0.654	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20525	836.5	1	Mid	-0.11	0.711	21.74	23.00	1.337	0.950	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20600	844	1	Mid	0.10	0.706	21.74	23.00	1.337	0.944	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20525	836.5	25	Mid	-0.09	0.717	21.76	23.00	1.330	**0.954**	22#
Ant.1	Level1	State5	QPSK	Right Cheek	0	20600	844	25	Low	-0.04	0.706	21.78	23.00	1.324	0.935	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20600	844	50	Low	-0.09	0.695	21.81	23.00	1.315	0.914	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	20525	836.5	1	Low	-0.03	0.366	20.43	22.00	1.435	0.525	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	20525	836.5	25	Mid	0.18	0.362	20.17	22.00	1.524	0.552	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	20525	836.5	1	Low	0.07	0.329	20.43	22.00	1.435	0.472	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	20525	836.5	25	Mid	-0.13	0.309	20.17	22.00	1.524	0.471	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	20525	836.5	1	Low	0.18	0.502	20.43	22.00	1.435	0.721	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	20525	836.5	25	Mid	0.17	0.467	20.17	22.00	1.524	0.712	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	20525	836.5	1	Low	0.17	0.500	20.43	22.00	1.435	0.718	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	20525	836.5	25	Mid	0.00	0.462	20.17	22.00	1.524	0.704	/
Ant.1	Level1	State5	QPSK	Left Cheek	0	20600	844	1	Low	0.16	0.224	18.89	20.00	1.291	0.289	/
Ant.1	Level1	State5	QPSK	Left Cheek	0	20450	829	25	Low	-0.15	0.225	18.89	20.00	1.291	0.291	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	20600	844	1	Low	0.10	0.215	18.89	20.00	1.291	0.278	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	20450	829	25	Low	0.10	0.194	18.89	20.00	1.291	0.250	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20600	844	1	Low	0.15	0.324	18.89	20.00	1.291	0.418	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	20450	829	25	Low	-0.14	0.304	18.89	20.00	1.291	0.393	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	20600	844	1	Low	0.08	0.317	18.89	20.00	1.291	0.409	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	20450	829	25	Low	-0.18	0.301	18.89	20.00	1.291	0.389	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	20450	829	1	Mid	0.01	0.178	17.89	19.00	1.291	0.230	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	20600	844	25	Mid	0.06	0.174	17.90	19.00	1.288	0.224	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	20450	829	1	Mid	-0.06	0.162	17.89	19.00	1.291	0.209	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	20600	844	25	Mid	-0.14	0.159	17.90	19.00	1.288	0.205	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	20450	829	1	Mid	-0.07	0.255	17.89	19.00	1.291	0.329	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	20600	844	25	Mid	-0.08	0.241	17.90	19.00	1.288	0.310	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	20450	829	1	Mid	0.05	0.248	17.89	19.00	1.291	0.320	/

Ant.1	Level2	State10	QPSK	Right Tilt	0	20600	844	25	Mid	-0.09	0.236	17.90	19.00	1.288	0.304	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	20525	836.5	1	Mid	0.15	0.134	23.21	24.50	1.346	0.180	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	20525	836.5	25	Mid	-0.11	0.107	22.24	23.50	1.337	0.143	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	20525	836.5	1	Mid	0.03	0.075	23.21	24.50	1.346	0.101	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	20525	836.5	25	Mid	0.12	0.056	22.24	23.50	1.337	0.075	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	20525	836.5	1	Mid	-0.06	0.105	23.21	24.50	1.346	0.141	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	20525	836.5	25	Mid	-0.10	0.080	22.24	23.50	1.337	0.107	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	20525	836.5	1	Mid	0.14	0.057	23.21	24.50	1.346	0.077	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	20525	836.5	25	Mid	-0.15	0.047	22.24	23.50	1.337	0.063	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	20450	829	1	Mid	0.04	0.092	21.75	23.00	1.334	0.123	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	20600	844	25	Mid	-0.07	0.094	21.78	23.00	1.324	0.124	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	20450	829	1	Mid	-0.13	0.051	21.75	23.00	1.334	0.068	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	20600	844	25	Mid	0.17	0.052	21.78	23.00	1.324	0.069	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	20450	829	1	Mid	-0.06	0.071	21.75	23.00	1.334	0.095	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	20600	844	25	Mid	-0.13	0.073	21.78	23.00	1.324	0.097	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	20450	829	1	Mid	0.01	0.038	21.75	23.00	1.334	0.051	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	20600	844	25	Mid	-0.03	0.040	21.78	23.00	1.324	0.053	/
Body-worn																
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	20450	829	1	Mid	0.13	0.076	23.24	24.50	1.337	0.102	/
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	20600	844	25	Low	0.07	0.069	22.24	23.50	1.337	0.092	/
Ant.1	Level3	State3	QPSK	Back Side	15	20450	829	1	Mid	-0.17	0.099	23.24	24.50	1.337	0.132	/
Ant.1	Level3	State3	QPSK	Back Side	15	20600	844	25	Low	0.17	0.090	22.24	23.50	1.337	0.120	/
Ant.1	Level4	State8	QPSK	Back Side	15	20450	829	1	Mid	-0.14	0.084	22.32	23.50	1.312	0.110	/
Ant.1	Level4	State8	QPSK	Back Side	15	20600	844	25	Mid	0.08	0.086	22.14	23.50	1.368	0.118	/
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	20450	829	1	Mid	-0.18	0.056	21.77	23.00	1.327	0.074	/
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	20450	829	25	Low	-0.12	0.059	21.79	23.00	1.321	0.078	/
Ant.1	Level3&4	State3&8	QPSK	Back Side	15	20600	844	1	Low	-0.08	0.036	18.89	20.00	1.291	0.046	/
Ant.1	Level3&4	State3&8	QPSK	Back Side	15	20450	829	25	Low	0.06	0.035	18.89	20.00	1.291	0.045	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	20600	844	1	Mid	0.15	0.085	23.24	24.50	1.337	0.114	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	20600	844	25	Mid	0.02	0.081	22.25	23.50	1.334	0.108	/
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	20600	844	1	Mid	-0.18	0.124	23.24	24.50	1.337	**0.166**	23#
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	20600	844	25	Mid	0.17	0.115	22.25	23.50	1.334	0.153	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	20450	829	1	Mid	0.14	0.065	21.75	23.00	1.334	0.087	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	20600	844	25	Mid	0.15	0.070	21.78	23.00	1.324	0.093	/
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	20450	829	1	Mid	0.18	0.094	21.75	23.00	1.334	0.125	/
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	20600	844	25	Mid	0.06	0.098	21.78	23.00	1.324	0.130	/
Hotspot																
Ant.1	Level4	State9	QPSK	Front Side	10	20450	829	1	Mid	0.11	0.136	23.18	24.50	1.355	0.184	/
Ant.1	Level4	State9	QPSK	Front Side	10	20600	844	25	Low	-0.07	0.112	22.17	23.50	1.358	0.152	/
Ant.1	Level4	State8	QPSK	Back Side	10	20450	829	1	Mid	0.04	0.150	22.32	23.50	1.312	0.197	/
Ant.1	Level4	State8	QPSK	Back Side	10	20600	844	25	Mid	0.00	0.153	22.14	23.50	1.368	0.209	/
Ant.1	Level4	State8	QPSK	Right Edge	10	20450	829	1	Mid	0.03	0.059	22.32	23.50	1.312	0.077	/
Ant.1	Level4	State8	QPSK	Right Edge	10	20600	844	25	Mid	0.04	0.053	22.14	23.50	1.368	0.072	/

Ant.1	Level4	State6	QPSK	Top Edge	10	20450	829	1	Mid	-0.03	0.159	22.32	23.50	1.312	0.209	/
Ant.1	Level4	State6	QPSK	Top Edge	10	20600	844	25	Mid	0.06	0.161	22.14	23.50	1.368	0.220	/
Ant.1	Level4	State9	QPSK	Front Side	10	20450	829	1	Mid	-0.12	0.097	21.77	23.00	1.327	0.129	/
Ant.1	Level4	State9	QPSK	Front Side	10	20450	829	25	Low	-0.09	0.099	21.79	23.00	1.321	0.131	/
Ant.1	Level4	State8	QPSK	Back Side	10	20600	844	1	Low	-0.03	0.065	18.89	20.00	1.291	0.084	/
Ant.1	Level4	State8	QPSK	Back Side	10	20450	829	25	Low	-0.18	0.068	18.89	20.00	1.291	0.088	/
Ant.1	Level4	State8	QPSK	Right Edge	10	20600	844	1	Low	-0.10	0.023	18.89	20.00	1.291	0.030	/
Ant.1	Level4	State8	QPSK	Right Edge	10	20450	829	25	Low	-0.14	0.020	18.89	20.00	1.291	0.026	/
Ant.1	Level4	State6	QPSK	Top Edge	10	20600	844	1	Low	0.08	0.070	18.89	20.00	1.291	0.090	/
Ant.1	Level4	State6	QPSK	Top Edge	10	20450	829	25	Low	-0.14	0.071	18.89	20.00	1.291	0.092	/
Ant.0	Level4	State9	QPSK	Front Side	10	20600	844	1	Mid	0.05	0.077	23.18	24.50	1.355	0.104	/
Ant.0	Level4	State9	QPSK	Front Side	10	20600	844	25	Mid	-0.16	0.061	22.16	23.50	1.361	0.083	/
Ant.0	Level4	State8	QPSK	Back Side	10	20600	844	1	Mid	0.17	0.175	23.18	24.50	1.355	**0.237**	24#
Ant.0	Level4	State8	QPSK	Back Side	10	20600	844	25	Mid	-0.19	0.138	22.16	23.50	1.361	0.188	/
Ant.0	Level4	State9	QPSK	Left Edge	10	20600	844	1	Mid	0.13	0.062	23.18	24.50	1.355	0.084	/
Ant.0	Level4	State9	QPSK	Left Edge	10	20600	844	25	Mid	0.13	0.051	22.16	23.50	1.361	0.069	/
Ant.0	Level4	State9	QPSK	Right Edge	10	20600	844	1	Mid	-0.15	0.087	23.18	24.50	1.355	0.118	/
Ant.0	Level4	State9	QPSK	Right Edge	10	20600	844	25	Mid	-0.09	0.075	22.16	23.50	1.361	0.102	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	20600	844	1	Mid	0.18	0.116	23.18	24.50	1.355	0.157	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	20600	844	25	Mid	-0.05	0.092	22.16	23.50	1.361	0.125	/
Ant.0	Level4	State9	QPSK	Front Side	10	20450	829	1	Mid	-0.04	0.053	21.75	23.00	1.334	0.071	/
Ant.0	Level4	State9	QPSK	Front Side	10	20600	844	25	Mid	-0.13	0.051	21.78	23.00	1.324	0.068	/
Ant.0	Level4	State8	QPSK	Back Side	10	20600	844	1	Low	0.13	0.083	19.72	21.00	1.343	0.111	/
Ant.0	Level4	State8	QPSK	Back Side	10	20525	836.5	25	Mid	-0.09	0.087	19.80	21.00	1.318	0.115	/
Ant.0	Level4	State9	QPSK	Left Edge	10	20450	829	1	Mid	-0.13	0.044	21.75	23.00	1.334	0.059	/
Ant.0	Level4	State9	QPSK	Left Edge	10	20600	844	25	Mid	-0.09	0.043	21.78	23.00	1.324	0.057	/
Ant.0	Level4	State9	QPSK	Right Edge	10	20450	829	1	Mid	-0.02	0.063	21.75	23.00	1.334	0.084	/
Ant.0	Level4	State9	QPSK	Right Edge	10	20600	844	25	Mid	-0.10	0.066	21.78	23.00	1.324	0.087	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	20600	844	1	Low	0.11	0.053	19.72	21.00	1.343	0.071	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	20525	836.5	25	Mid	-0.19	0.055	19.80	21.00	1.318	0.073	/

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

11.9LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	State5	QPSK	Left Cheek	0	21100	2535	1	Low	0.12	0.169	16.58	16.70	1.028	0.174	/
Ant.1	Level1	State5	QPSK	Left Cheek	0	21350	2560	50	High	0.08	0.172	16.57	16.70	1.030	0.177	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	21100	2535	1	Low	0.06	0.214	16.58	16.70	1.028	0.220	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	21350	2560	50	High	0.08	0.223	16.57	16.70	1.030	0.230	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	21100	2535	1	Low	-0.07	0.569	16.58	16.70	1.028	0.585	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	21350	2560	50	High	-0.12	0.572	16.57	16.70	1.030	0.589	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	21100	2535	1	Low	0.09	0.589	16.58	16.70	1.028	**0.606**	25#
Ant.1	Level1	State5	QPSK	Right Tilt	0	21350	2560	50	High	0.07	0.585	16.57	16.70	1.030	0.603	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	21100	2535	1	Low	-0.11	0.132	15.33	15.70	1.089	0.144	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	21350	2560	50	High	0.00	0.135	15.51	15.70	1.045	0.141	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	21100	2535	1	Low	-0.12	0.168	15.33	15.70	1.089	0.183	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	21350	2560	50	High	-0.12	0.172	15.51	15.70	1.045	0.180	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	21100	2535	1	Low	-0.12	0.443	15.33	15.70	1.089	0.482	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	21350	2560	50	High	0.10	0.479	15.51	15.70	1.045	0.500	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	21100	2535	1	Low	-0.02	0.472	15.33	15.70	1.089	0.514	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	21350	2560	50	High	-0.14	0.483	15.51	15.70	1.045	0.505	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	20850	2510	1	Mid	-0.09	0.088	21.80	23.00	1.318	0.116	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	20850	2510	50	High	-0.05	0.069	21.05	22.00	1.245	0.086	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	20850	2510	1	Mid	0.02	0.057	21.80	23.00	1.318	0.075	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	20850	2510	50	High	0.10	0.047	21.05	22.00	1.245	0.058	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	20850	2510	1	Mid	-0.18	0.160	21.80	23.00	1.318	0.211	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	20850	2510	50	High	-0.13	0.117	21.05	22.00	1.245	0.146	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	20850	2510	1	Mid	0.19	0.091	21.80	23.00	1.318	0.120	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	20850	2510	50	High	-0.13	0.066	21.05	22.00	1.245	0.082	/
Ant.4	Level1	State 5	QPSK	Left Cheek	0	21100	2535	1	Low	-0.11	0.172	20.07	21.00	1.239	0.213	/
Ant.4	Level1	State 5	QPSK	Left Cheek	0	21100	2535	50	Low	0.08	0.169	20.12	21.00	1.225	0.207	/
Ant.4	Level1	State 5	QPSK	Left Tilt	0	21100	2535	1	Low	-0.03	0.074	20.07	21.00	1.239	0.092	/
Ant.4	Level1	State 5	QPSK	Left Tilt	0	21100	2535	50	Low	-0.11	0.075	20.12	21.00	1.225	0.092	/
Ant.4	Level1	State 5	QPSK	Right Cheek	0	21100	2535	1	Low	0.04	0.289	20.07	21.00	1.239	0.358	/
Ant.4	Level1	State 5	QPSK	Right Cheek	0	21100	2535	50	Low	0.00	0.328	20.12	21.00	1.225	0.402	/
Ant.4	Level1	State 5	QPSK	Right Tilt	0	21100	2535	1	Low	-0.19	0.161	20.07	21.00	1.239	0.199	/
Ant.4	Level1	State 5	QPSK	Right Tilt	0	21100	2535	50	Low	-0.08	0.183	20.12	21.00	1.225	0.224	/
Ant.4	Level2	State 10	QPSK	Left Cheek	0	21100	2535	1	Low	0.07	0.137	19.03	20.00	1.250	0.171	/
Ant.4	Level2	State 10	QPSK	Left Cheek	0	20850	2510	50	High	0.04	0.135	19.21	20.00	1.199	0.162	/
Ant.4	Level2	State 10	QPSK	Left Tilt	0	21100	2535	1	Low	0.07	0.059	19.03	20.00	1.250	0.074	/
Ant.4	Level2	State 10	QPSK	Left Tilt	0	20850	2510	50	High	0.14	0.058	19.21	20.00	1.199	0.070	/

Ant.4	Level2	State 10	QPSK	Right Cheek	0	21100	2535	1	Low	0.10	0.240	19.03	20.00	1.250	0.300	/
Ant.4	Level2	State 10	QPSK	Right Cheek	0	20850	2510	50	High	-0.07	0.250	19.21	20.00	1.199	0.300	/
Ant.4	Level2	State 10	QPSK	Right Tilt	0	21100	2535	1	Low	0.03	0.137	19.03	20.00	1.250	0.171	/
Ant.4	Level2	State 10	QPSK	Right Tilt	0	20850	2510	50	High	0.17	0.144	19.21	20.00	1.199	0.173	/
Body-worn																
Ant.1	Level3	State4	QPSK	Front Side	15	21350	2560	1	Mid	0.02	0.120	19.97	20.20	1.054	0.127	/
Ant.1	Level3	State4	QPSK	Front Side	15	21100	2535	50	Mid	-0.16	0.121	20.02	20.20	1.042	0.126	/
Ant.1	Level3	State3	QPSK	Back Side	15	21100	2535	1	Low	0.07	0.185	21.12	21.20	1.019	0.188	/
Ant.1	Level3	State3	QPSK	Back Side	15	20850	2510	50	High	0.15	0.179	21.15	21.20	1.012	0.181	/
Ant.1	Level4	State9	QPSK	Front Side	15	21100	2535	1	Low	-0.01	0.105	18.97	19.20	1.054	0.111	/
Ant.1	Level4	State9	QPSK	Front Side	15	20850	2510	50	High	-0.04	0.095	19.03	19.20	1.040	0.099	/
Ant.1	Level4	State8	QPSK	Back Side	15	21100	2535	1	High	0.16	0.108	18.97	19.20	1.054	0.114	/
Ant.1	Level4	State8	QPSK	Back Side	15	20850	2510	50	High	0.09	0.110	19.03	19.20	1.040	0.114	/
Ant.0	Level3	State4	QPSK	Front Side	15	20850	2510	1	Mid	0.16	0.062	21.80	23.00	1.318	0.082	/
Ant.0	Level3	State4	QPSK	Front Side	15	20850	2510	50	High	0.13	0.054	21.05	22.00	1.245	0.067	/
Ant.0	Level3	State4	QPSK	Back Side	15	20850	2510	1	Mid	-0.18	0.204	21.80	23.00	1.318	**0.269**	26#
Ant.0	Level3	State4	QPSK	Back Side	15	20850	2510	50	High	0.03	0.185	21.05	22.00	1.245	0.230	/
Ant.0	Level4	State9	QPSK	Front Side	15	20850	2510	1	Mid	0.11	0.048	21.03	22.00	1.250	0.060	/
Ant.0	Level4	State9	QPSK	Front Side	15	20850	2510	50	High	-0.02	0.044	21.04	22.00	1.247	0.055	/
Ant.0	Level4	State9	QPSK	Back Side	15	20850	2510	1	Mid	-0.05	0.150	21.03	22.00	1.250	0.188	/
Ant.0	Level4	State9	QPSK	Back Side	15	20850	2510	50	High	-0.08	0.140	21.04	22.00	1.247	0.175	/
Ant.0	Level3	State4	QPSK	Front Side	15	20850	2510	1	Mid	-0.01	0.046	18.93	20.00	1.279	0.059	/
Ant.0	Level3	State4	QPSK	Front Side	15	20850	2510	50	High	-0.06	0.045	19.00	20.00	1.259	0.057	/
Ant.0	Level3	State4	QPSK	Back Side	15	20850	2510	1	Mid	0.03	0.159	18.93	20.00	1.279	0.203	/
Ant.0	Level3	State4	QPSK	Back Side	15	20850	2510	50	High	-0.01	0.162	19.00	20.00	1.259	0.204	/
Ant.0	Level4	State9	QPSK	Front Side	15	20850	2510	1	Mid	0.18	0.036	17.89	19.00	1.291	0.046	/
Ant.0	Level4	State9	QPSK	Front Side	15	20850	2510	50	High	0.10	0.037	18.01	19.00	1.256	0.046	/
Ant.0	Level4	State9	QPSK	Back Side	15	20850	2510	1	Mid	-0.11	0.116	17.89	19.00	1.291	0.150	/
Ant.0	Level4	State9	QPSK	Back Side	15	20850	2510	50	High	0.19	0.113	18.01	19.00	1.256	0.142	/
Ant.4	Level3	/	QPSK	Front Side	15	21100	2535	1	Low	0.18	0.055	20.07	21.00	1.239	0.068	/
Ant.4	Level3	/	QPSK	Front Side	15	21100	2535	50	Low	-0.06	0.053	20.12	21.00	1.225	0.065	/
Ant.4	Level3	/	QPSK	Back Side	15	21100	2535	1	Low	-0.09	0.176	20.07	21.00	1.239	0.218	/
Ant.4	Level3	/	QPSK	Back Side	15	21100	2535	50	Low	0.15	0.168	20.12	21.00	1.225	0.206	/
Ant.4	Level4	/	QPSK	Front Side	15	21100	2535	1	Low	0.02	0.044	19.03	20.00	1.250	0.055	/
Ant.4	Level4	/	QPSK	Front Side	15	20850	2510	50	High	0.17	0.042	19.21	20.00	1.199	0.050	/
Ant.4	Level4	/	QPSK	Back Side	15	21100	2535	1	Low	0.15	0.140	19.03	20.00	1.250	0.175	/
Ant.4	Level4	/	QPSK	Back Side	15	20850	2510	50	High	-0.19	0.136	19.21	20.00	1.199	0.163	/
Hotspot																
Ant.1	Level4	State9	QPSK	Front Side	10	21100	2535	1	Low	0.17	0.182	18.97	19.20	1.054	0.192	/
Ant.1	Level4	State9	QPSK	Front Side	10	20850	2510	50	High	-0.02	0.173	19.03	19.20	1.040	0.180	/
Ant.1	Level4	State8	QPSK	Back Side	10	21100	2535	1	Low	-0.03	0.235	18.97	19.20	1.054	0.248	/
Ant.1	Level4	State8	QPSK	Back Side	10	20850	2510	50	High	-0.04	0.237	19.03	19.20	1.040	0.246	/
Ant.1	Level4	State8	QPSK	Right Edge	10	21100	2535	1	Low	-0.17	0.250	18.97	19.20	1.054	0.264	/

Ant.1	Level4	State8	QPSK	Right Edge	10	20850	2510	50	High	-0.18	0.236	19.03	19.20	1.040	0.245	/
Ant.1	Level4	State6	QPSK	Top Edge	10	21100	2535	1	Low	0.09	0.277	18.97	19.20	1.054	0.292	/
Ant.1	Level4	State6	QPSK	Top Edge	10	20850	2510	50	High	0.02	0.267	19.03	19.20	1.040	0.278	/
Ant.0	Level4	State9	QPSK	Front Side	10	20850	2510	1	Mid	0.07	0.120	21.03	22.00	1.250	0.150	/
Ant.0	Level4	State9	QPSK	Front Side	10	20850	2510	50	High	-0.15	0.118	21.04	22.00	1.247	0.147	/
Ant.0	Level4	State8	QPSK	Back Side	10	20850	2510	1	Mid	0.08	0.386	20.00	21.00	1.259	**0.486**	27#
Ant.0	Level4	State8	QPSK	Back Side	10	20850	2510	50	High	0.10	0.383	20.01	21.00	1.256	0.481	/
Ant.0	Level4	State9	QPSK	Left Edge	10	20850	2510	1	Mid	0.03	0.100	21.03	22.00	1.250	0.125	/
Ant.0	Level4	State9	QPSK	Left Edge	10	20850	2510	50	High	0.19	0.095	21.04	22.00	1.247	0.119	/
Ant.0	Level4	State9	QPSK	Right Edge	10	20850	2510	1	Mid	-0.07	0.011	21.03	22.00	1.250	0.014	/
Ant.0	Level4	State9	QPSK	Right Edge	10	20850	2510	50	High	0.18	0.010	21.04	22.00	1.247	0.012	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	20850	2510	1	Mid	-0.18	0.147	20.00	21.00	1.259	0.185	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	20850	2510	50	High	-0.05	0.140	20.01	21.00	1.256	0.176	/
Ant.0	Level4	State9	QPSK	Front Side	10	20850	2510	1	Mid	-0.05	0.063	17.89	19.00	1.291	0.081	/
Ant.0	Level4	State9	QPSK	Front Side	10	20850	2510	50	High	-0.18	0.061	18.01	19.00	1.256	0.077	/
Ant.0	Level4	State8	QPSK	Back Side	10	20850	2510	1	Mid	0.09	0.219	17.38	18.50	1.294	0.283	/
Ant.0	Level4	State8	QPSK	Back Side	10	21100	2535	50	Mid	-0.19	0.214	17.47	18.50	1.268	0.271	/
Ant.0	Level4	State9	QPSK	Left Edge	10	20850	2510	1	Mid	-0.07	0.053	17.89	19.00	1.291	0.068	/
Ant.0	Level4	State9	QPSK	Left Edge	10	20850	2510	50	High	0.00	0.050	18.01	19.00	1.256	0.063	/
Ant.0	Level4	State9	QPSK	Right Edge	10	20850	2510	1	Mid	0.06	0.006	17.89	19.00	1.291	0.008	/
Ant.0	Level4	State9	QPSK	Right Edge	10	20850	2510	50	High	-0.12	0.005	18.01	19.00	1.256	0.006	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	20850	2510	1	Mid	0.10	0.085	17.38	18.50	1.294	0.110	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	21100	2535	50	Mid	0.13	0.081	17.47	18.50	1.268	0.103	/
Ant.4	Level4	/	QPSK	Front Side	10	21100	2535	1	Low	0.01	0.086	19.03	20.00	1.250	0.108	/
Ant.4	Level4	/	QPSK	Front Side	10	20850	2510	50	High	0.14	0.089	19.21	20.00	1.199	0.107	/
Ant.4	Level4	/	QPSK	Back Side	10	21100	2535	1	Low	-0.10	0.334	19.03	20.00	1.250	0.418	/
Ant.4	Level4	/	QPSK	Back Side	10	20850	2510	50	High	0.08	0.336	19.21	20.00	1.199	0.403	/
Ant.4	Level4	/	QPSK	Right Edge	10	21100	2535	1	Low	0.01	0.235	19.03	20.00	1.250	0.294	/
Ant.4	Level4	/	QPSK	Right Edge	10	20850	2510	50	High	-0.04	0.237	19.21	20.00	1.199	0.284	/
Ant.4	Level4	/	QPSK	Top Edge	10	21100	2535	1	Low	0.00	0.270	19.03	20.00	1.250	0.338	/
Ant.4	Level4	/	QPSK	Top Edge	10	20850	2510	50	High	0.04	0.271	19.21	20.00	1.199	0.325	/
P-sensor																
Ant.1	Full Power	/	QPSK	Back Side	15	21100	2535	1	Low	0.15	0.271	22.97	23.20	1.054	0.286	/
Ant.1	Full Power	/	QPSK	Back Side	15	21100	2535	1	Low	-0.17	0.259	22.18	22.20	1.005	0.260	/
Ant.1	Full Power	/	QPSK	Right Edge	11	21100	2535	1	Low	0.06	0.350	22.97	23.20	1.054	0.369	/
Ant.1	Full Power	/	QPSK	Right Edge	11	21100	2535	1	Low	-0.06	0.000	22.18	22.20	1.005	0.000	/
Ant.1	Full Power	/	QPSK	Top Edge	16	21100	2535	1	Low	0.12	0.268	22.97	23.20	1.054	0.283	/
Ant.1	Full Power	/	QPSK	Top Edge	16	21100	2535	1	Low	0.14	0.000	22.18	22.20	1.005	0.000	/
Ant.0	Full Power	/	QPSK	Back Side	11	20850	2510	1	Mid	0.19	0.381	21.80	23.00	1.318	0.502	/
Ant.0	Full Power	/	QPSK	Back Side	11	20850	2510	50	High	-0.01	0.332	21.05	22.00	1.245	0.413	/
Ant.0	Full Power	/	QPSK	Bottom Edge	12	20850	2510	1	Mid	0.15	0.123	21.80	23.00	1.318	0.162	/
Ant.0	Full Power	/	QPSK	Bottom Edge	12	20850	2510	50	High	0.17	0.100	21.05	22.00	1.245	0.124	/

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

Antenna	Powrer Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-sensor																
Ant.1	Full Power	/	QPSK	Front Side	8	21100	2535	1	Low	-0.03	0.335	22.97	23.20	1.054	0.353	/
Ant.1	Full Power	/	QPSK	Front Side	8	21100	2535	1	Low	-0.11	0.269	22.18	22.20	1.005	0.270	/
Ant.0	Full Power	/	QPSK	Front Side	8	20850	2510	1	Mid	-0.16	0.130	21.80	23.00	1.318	0.171	/
Ant.0	Full Power	/	QPSK	Front Side	8	20850	2510	50	High	0.05	0.105	21.05	22.00	1.245	0.131	/
Ant.0	Full Power	/	QPSK	Right Edge	8	20850	2510	1	Mid	0.01	0.000	21.80	23.00	1.318	0.000	/
Ant.0	Full Power	/	QPSK	Right Edge	8	20850	2510	50	High	-0.05	0.000	21.05	22.00	1.245	0.000	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.10 LTE Band 7 Worse case for CA Test

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head-CA																
Ant.1	Level1	State5	QPSK	Right Tilt	0	21100 +20902	2535 +2515.2	1+1	Low +High	-0.16	0.506	16.41	16.70	1.069	0.541	/
Body-worn-CA																
Ant.0	Level3	State4	QPSK	Back Side	15	20850 +21048	2510 +2529.8	1+1	Low +High	0.08	0.150	21.56	23.00	1.393	0.209	/
Hotspot-CA																
Ant.0	Level4	State8	QPSK	Back Side	10	20850 +21048	2510 +2529.8	1+1	Low +High	0.13	0.326	19.82	21.00	1.312	0.428	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.11 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1&2	State5&10	QPSK	Left Cheek	0	23095	707.5	1	Mid	0.02	0.180	23.36	24.50	1.300	0.234	/
Ant.1	Level1&2	State5&10	QPSK	Left Cheek	0	23130	711	25	High	-0.01	0.142	22.31	23.50	1.315	0.187	/
Ant.1	Level1&2	State5&10	QPSK	Left Tilt	0	23095	707.5	1	Mid	-0.11	0.190	23.36	24.50	1.300	0.247	/
Ant.1	Level1&2	State5&10	QPSK	Left Tilt	0	23130	711	25	High	-0.04	0.148	22.31	23.50	1.315	0.195	/
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	23095	707.5	1	Mid	0.03	0.305	23.36	24.50	1.300	0.397	/
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	23130	711	25	High	0.08	0.245	22.31	23.50	1.315	0.322	/
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	23095	707.5	1	Mid	-0.18	0.310	23.36	24.50	1.300	**0.403**	28#
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	23130	711	25	High	-0.19	0.233	22.31	23.50	1.315	0.306	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	23130	711	1	High	0.10	0.104	23.44	24.50	1.276	0.133	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	23130	711	25	High	0.00	0.082	22.39	23.50	1.291	0.106	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	23130	711	1	High	0.18	0.013	23.44	24.50	1.276	0.017	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	23130	711	25	High	-0.01	0.008	22.39	23.50	1.291	0.010	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	23130	711	1	High	-0.02	0.078	23.44	24.50	1.276	0.100	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	23130	711	25	High	-0.19	0.061	22.39	23.50	1.291	0.079	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	23130	711	1	High	0.03	0.013	23.44	24.50	1.276	0.017	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	23130	711	25	High	-0.04	0.008	22.39	23.50	1.291	0.010	/
Body-worn																
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	23095	707.5	1	Mid	0.01	0.067	23.36	24.50	1.300	0.087	/
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	23130	711	25	High	-0.09	0.053	22.31	23.50	1.315	0.070	/
Ant.1	Level3&4	State3&8	QPSK	Back Side	15	23095	707.5	1	Mid	-0.02	0.084	23.36	24.50	1.300	0.109	/
Ant.1	Level3&4	State3&8	QPSK	Back Side	15	23130	711	25	High	0.06	0.068	22.31	23.50	1.315	0.089	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	23130	711	1	High	0.08	0.099	23.44	24.50	1.276	0.126	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	23130	711	25	High	0.04	0.085	22.39	23.50	1.291	0.110	/
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	23130	711	1	High	0.13	0.154	23.44	24.50	1.276	**0.197**	29#
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	23130	711	25	High	0.19	0.131	22.39	23.50	1.291	0.169	/
Hotspot																
Ant.1	Level4	State9	QPSK	Front Side	10	23095	707.5	1	Mid	0.04	0.058	23.36	24.50	1.300	0.075	/
Ant.1	Level4	State9	QPSK	Front Side	10	23095	707.5	50	Mid	-0.08	0.046	22.31	23.50	1.315	0.061	/
Ant.1	Level4	State8	QPSK	Back Side	10	23095	707.5	1	Mid	0.10	0.088	23.36	24.50	1.300	0.114	/
Ant.1	Level4	State8	QPSK	Back Side	10	23095	707.5	50	Mid	0.16	0.071	22.31	23.50	1.315	0.093	/
Ant.1	Level4	State8	QPSK	Right Edge	10	23095	707.5	1	Mid	-0.05	0.106	23.36	24.50	1.300	0.138	/
Ant.1	Level4	State8	QPSK	Right Edge	10	23095	707.5	50	Mid	-0.02	0.082	22.31	23.50	1.315	0.108	/
Ant.1	Level4	State6	QPSK	Top Edge	10	23095	707.5	1	Mid	-0.19	0.052	23.36	24.50	1.300	0.068	/
Ant.1	Level4	State6	QPSK	Top Edge	10	23095	707.5	50	Mid	-0.04	0.043	22.31	23.50	1.315	0.057	/
Ant.0	Level4	State9	QPSK	Front Side	10	23130	711	1	High	-0.11	0.122	23.44	24.50	1.276	0.156	/
Ant.0	Level4	State9	QPSK	Front Side	10	23130	711	25	High	0.06	0.108	22.39	23.50	1.291	0.139	/

Ant.0	Level4	State8	QPSK	Back Side	10	23130	711	1	High	-0.11	0.174	23.44	24.50	1.276	0.222	/
Ant.0	Level4	State8	QPSK	Back Side	10	23130	711	25	High	-0.14	0.168	22.39	23.50	1.291	0.217	/
Ant.0	Level4	State9	QPSK	Left Edge	10	23130	711	1	High	0.12	0.118	23.44	24.50	1.276	0.151	/
Ant.0	Level4	State9	QPSK	Left Edge	10	23130	711	25	High	-0.17	0.102	22.39	23.50	1.291	0.132	/
Ant.0	Level4	State9	QPSK	Right Edge	10	23130	711	1	High	-0.19	0.193	23.44	24.50	1.276	**0.246**	30#
Ant.0	Level4	State9	QPSK	Right Edge	10	23130	711	25	High	0.02	0.178	22.39	23.50	1.291	0.230	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	23130	711	1	High	0.11	0.112	23.44	24.50	1.276	0.143	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	23130	711	25	High	0.13	0.095	22.39	23.50	1.291	0.123	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.12 LTE Band 13 (10MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1&2	State5&10	QPSK	Left Cheek	0	23230	782	1	High	0.01	0.196	22.75	24.00	1.334	0.261	/
Ant.1	Level1&2	State5&10	QPSK	Left Cheek	0	23230	782	25	High	-0.02	0.165	21.85	23.00	1.303	0.215	/
Ant.1	Level1&2	State5&10	QPSK	Left Tilt	0	23230	782	1	High	-0.06	0.198	22.75	24.00	1.334	0.264	/
Ant.1	Level1&2	State5&10	QPSK	Left Tilt	0	23230	782	25	High	-0.13	0.156	21.85	23.00	1.303	0.203	/
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	23230	782	1	High	0.07	0.322	22.75	24.00	1.334	**0.429**	31#
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	23230	782	25	High	-0.17	0.247	21.85	23.00	1.303	0.322	/
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	23230	782	1	High	-0.01	0.310	22.75	24.00	1.334	0.413	/
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	23230	782	25	High	-0.09	0.242	21.85	23.00	1.303	0.315	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	23230	782	1	High	0.07	0.056	22.82	24.00	1.312	0.074	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	23230	782	25	High	-0.17	0.045	21.88	23.00	1.294	0.058	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	23230	782	1	High	0.05	0.009	22.82	24.00	1.312	0.012	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	23230	782	25	High	-0.17	0.006	21.88	23.00	1.294	0.008	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	23230	782	1	High	0.14	0.042	22.82	24.00	1.312	0.055	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	23230	782	25	High	0.04	0.032	21.88	23.00	1.294	0.041	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	23230	782	1	High	0.18	0.009	22.82	24.00	1.312	0.012	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	23230	782	25	High	-0.17	0.007	21.88	23.00	1.294	0.009	/
Body-worn																
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	23230	782	1	High	0.03	0.050	22.75	24.00	1.334	0.067	/
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	23230	782	25	High	0.03	0.035	21.85	23.00	1.303	0.046	/
Ant.1	Level3&4	State3&8	QPSK	Back Side	15	23230	782	1	High	-0.16	0.068	22.75	24.00	1.334	0.091	/
Ant.1	Level3&4	State3&8	QPSK	Back Side	15	23230	782	25	High	-0.15	0.052	21.85	23.00	1.303	0.068	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	23230	782	1	High	0.09	0.057	22.82	24.00	1.312	0.075	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	23230	782	25	High	0.17	0.043	21.88	23.00	1.294	0.056	/
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	23230	782	1	High	-0.18	0.077	22.82	24.00	1.312	**0.101**	32#
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	23230	782	25	High	0.02	0.056	21.88	23.00	1.294	0.072	/
Hotspot																
Ant.1	Level4	State9	QPSK	Front Side	10	23230	782	1	High	-0.14	0.065	22.75	24.00	1.334	0.087	/
Ant.1	Level4	State9	QPSK	Front Side	10	23230	782	25	High	-0.15	0.052	21.85	23.00	1.303	0.068	/
Ant.1	Level4	State8	QPSK	Back Side	10	23230	782	1	High	0.09	0.088	22.75	24.00	1.334	0.118	/
Ant.1	Level4	State8	QPSK	Back Side	10	23230	782	25	High	-0.03	0.066	21.85	23.00	1.303	0.086	/
Ant.1	Level4	State8	QPSK	Right Edge	10	23230	782	1	High	0.17	0.079	22.75	24.00	1.334	0.105	/
Ant.1	Level4	State8	QPSK	Right Edge	10	23230	782	25	High	-0.02	0.059	21.85	23.00	1.303	0.077	/
Ant.1	Level4	State6	QPSK	Top Edge	10	23230	782	1	High	0.09	0.069	22.75	24.00	1.334	0.092	/
Ant.1	Level4	State6	QPSK	Top Edge	10	23230	782	25	High	-0.12	0.052	21.85	23.00	1.303	0.068	/
Ant.0	Level4	State9	QPSK	Front Side	10	23230	782	1	High	-0.08	0.066	22.82	24.00	1.312	0.087	/
Ant.0	Level4	State9	QPSK	Front Side	10	23230	782	25	High	0.16	0.048	21.88	23.00	1.294	0.062	/

Ant.0	Level4	State8	QPSK	Back Side	10	23230	782	1	High	-0.19	0.104	22.82	24.00	1.312	**0.136**	33#
Ant.0	Level4	State8	QPSK	Back Side	10	23230	782	25	High	-0.03	0.087	21.88	23.00	1.294	0.113	/
Ant.0	Level4	State9	QPSK	Left Edge	10	23230	782	1	High	-0.05	0.051	22.82	24.00	1.312	0.067	/
Ant.0	Level4	State9	QPSK	Left Edge	10	23230	782	25	High	-0.14	0.038	21.88	23.00	1.294	0.049	/
Ant.0	Level4	State9	QPSK	Right Edge	10	23230	782	1	High	-0.14	0.095	22.82	24.00	1.312	0.125	/
Ant.0	Level4	State9	QPSK	Right Edge	10	23230	782	25	High	0.03	0.071	21.88	23.00	1.294	0.092	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	23230	782	1	High	-0.13	0.099	22.82	24.00	1.312	0.130	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	23230	782	25	High	-0.14	0.081	21.88	23.00	1.294	0.105	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.13 LTE Band 17 (10MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1&2	State5&10	QPSK	Left Cheek	0	23790	710	1	Mid	-0.18	0.163	23.39	24.50	1.291	0.210	/
Ant.1	Level1&2	State5&10	QPSK	Left Cheek	0	23790	710	25	Mid	-0.01	0.125	22.34	23.50	1.306	0.163	/
Ant.1	Level1&2	State5&10	QPSK	Left Tilt	0	23790	710	1	Mid	0.10	0.175	23.39	24.50	1.291	0.226	/
Ant.1	Level1&2	State5&10	QPSK	Left Tilt	0	23790	710	25	Mid	0.19	0.135	22.34	23.50	1.306	0.176	/
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	23790	710	1	Mid	0.03	0.258	23.39	24.50	1.291	0.333	/
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	23790	710	25	Mid	0.05	0.211	22.34	23.50	1.306	0.276	/
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	23790	710	1	Mid	-0.18	0.274	23.39	24.50	1.291	**0.354**	34#
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	23790	710	25	Mid	0.19	0.215	22.34	23.50	1.306	0.281	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	23790	710	1	Mid	0.11	0.114	23.39	24.50	1.291	0.148	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	23790	710	25	Mid	-0.08	0.088	22.41	23.50	1.285	0.113	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	23790	710	1	Mid	-0.07	0.058	23.39	24.50	1.291	0.075	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	23790	710	25	Mid	0.00	0.048	22.41	23.50	1.285	0.061	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	23790	710	1	Mid	-0.17	0.079	23.39	24.50	1.291	0.102	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	23790	710	25	Mid	0.01	0.061	22.41	23.50	1.285	0.079	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	23790	710	1	Mid	0.15	0.012	23.39	24.50	1.291	0.015	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	23790	710	25	Mid	0.19	0.008	22.41	23.50	1.285	0.010	/
Body-worn																
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	23790	710	1	Mid	0.15	0.065	23.39	24.50	1.291	0.084	/
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	23790	710	25	Mid	-0.09	0.048	22.34	23.50	1.306	0.063	/
Ant.1	Level3&4	State3&8	QPSK	Back Side	15	23790	710	1	Mid	0.18	0.082	23.39	24.50	1.291	0.106	/
Ant.1	Level3&4	State3&8	QPSK	Back Side	15	23790	710	25	Mid	0.10	0.062	22.34	23.50	1.306	0.082	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	23790	710	1	Mid	-0.07	0.120	23.39	24.50	1.291	0.155	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	23790	710	25	Mid	-0.07	0.088	22.41	23.50	1.285	0.113	/
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	23790	710	1	Mid	-0.17	0.168	23.39	24.50	1.291	**0.217**	35#
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	23790	710	25	Mid	0.01	0.142	22.41	23.50	1.285	0.183	/
Hotspot																
Ant.1	Level4	State9	QPSK	Front Side	10	23790	710	1	Mid	0.19	0.058	23.39	24.50	1.291	0.075	/
Ant.1	Level4	State9	QPSK	Front Side	10	23790	710	25	Mid	0.15	0.043	22.34	23.50	1.306	0.056	/
Ant.1	Level4	State8	QPSK	Back Side	10	23790	710	1	Mid	-0.19	0.084	23.39	24.50	1.291	0.109	/
Ant.1	Level4	State8	QPSK	Back Side	10	23790	710	25	Mid	0.08	0.066	22.34	23.50	1.306	0.087	/
Ant.1	Level4	State8	QPSK	Right Edge	10	23790	710	1	Mid	-0.02	0.106	23.39	24.50	1.291	0.137	/
Ant.1	Level4	State8	QPSK	Right Edge	10	23790	710	25	Mid	-0.17	0.078	22.34	23.50	1.306	0.102	/
Ant.1	Level4	State6	QPSK	Top Edge	10	23790	710	1	Mid	0.09	0.057	23.39	24.50	1.291	0.074	/
Ant.1	Level4	State6	QPSK	Top Edge	10	23790	710	25	Mid	0.14	0.046	22.34	23.50	1.306	0.059	/
Ant.0	Level4	State9	QPSK	Front Side	10	23790	710	1	Mid	-0.07	0.120	23.39	24.50	1.291	0.155	/
Ant.0	Level4	State9	QPSK	Front Side	10	23790	710	25	Mid	-0.07	0.106	22.41	23.50	1.285	0.136	/

Ant.0	Level4	State8	QPSK	Back Side	10	23790	710	1	Mid	-0.04	0.198	23.39	24.50	1.291	0.256	/
Ant.0	Level4	State8	QPSK	Back Side	10	23790	710	25	Mid	0.07	0.158	22.41	23.50	1.285	0.203	/
Ant.0	Level4	State9	QPSK	Left Edge	10	23790	710	1	Mid	-0.06	0.142	23.39	24.50	1.291	0.183	/
Ant.0	Level4	State9	QPSK	Left Edge	10	23790	710	25	Mid	0.02	0.112	22.41	23.50	1.285	0.144	/
Ant.0	Level4	State9	QPSK	Right Edge	10	23790	710	1	Mid	-0.12	0.205	23.39	24.50	1.291	**0.265**	36#
Ant.0	Level4	State9	QPSK	Right Edge	10	23790	710	25	Mid	-0.18	0.182	22.41	23.50	1.285	0.234	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	23790	710	1	Mid	0.11	0.141	23.39	24.50	1.291	0.182	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	23790	710	25	Mid	0.18	0.090	22.41	23.50	1.285	0.116	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.14 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1&2	State5&10	QPSK	Left Cheek	0	26865	831.5	1	Mid	-0.05	0.541	23.27	24.50	1.327	0.718	/
Ant.1	Level1&2	State5&10	QPSK	Left Cheek	0	26865	831.5	36	High	-0.05	0.425	22.29	23.50	1.321	0.562	/
Ant.1	Level1&2	State5&10	QPSK	Left Tilt	0	26865	831.5	1	Mid	-0.10	0.562	23.27	24.50	1.327	0.746	/
Ant.1	Level1&2	State5&10	QPSK	Left Tilt	0	26865	831.5	36	High	0.02	0.446	22.29	23.50	1.321	0.589	/
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	26865	831.5	1	Mid	-0.19	0.787	23.27	24.50	1.327	1.045	/
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	26865	831.5	36	High	-0.19	0.623	22.29	23.50	1.321	0.823	/
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	26865	831.5	1	Mid	0.17	0.761	23.27	24.50	1.327	1.010	/
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	26865	831.5	36	High	0.02	0.608	22.29	23.50	1.321	0.803	/
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	26765	821.5	1	Mid	0.03	0.705	23.25	24.50	1.334	0.940	/
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	26965	841.5	1	Mid	0.09	0.776	23.19	24.50	1.352	**1.049**	37#
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	26765	821.5	36	Mid	-0.18	0.750	22.22	23.50	1.343	1.007	/
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	26965	841.5	36	High	0.18	0.734	22.21	23.50	1.346	0.988	/
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	26965	841.5	75	Low	-0.15	0.729	22.30	23.50	1.318	0.961	/
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	26765	821.5	1	Mid	-0.15	0.681	23.25	24.50	1.334	0.908	/
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	26965	841.5	1	Mid	0.01	0.735	23.19	24.50	1.352	0.994	/
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	26765	821.5	36	Mid	0.03	0.740	22.22	23.50	1.343	0.994	/
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	26965	841.5	36	High	0.01	0.703	22.21	23.50	1.346	0.946	/
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	26965	841.5	75	Low	0.03	0.696	22.30	23.50	1.318	0.918	/
Ant.1	Level1&2	State5&10	QPSK	Left Cheek	0	26865	831.5	1	Mid	0.17	0.376	21.83	23.00	1.309	0.492	/
Ant.1	Level1&2	State5&10	QPSK	Left Cheek	0	26865	831.5	36	High	-0.19	0.290	21.84	23.00	1.306	0.379	/
Ant.1	Level1&2	State5&10	QPSK	Left Tilt	0	26865	831.5	1	Mid	-0.08	0.388	21.83	23.00	1.309	0.508	/
Ant.1	Level1&2	State5&10	QPSK	Left Tilt	0	26865	831.5	36	High	-0.05	0.310	21.84	23.00	1.306	0.405	/
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	26865	831.5	1	Mid	0.12	0.553	21.83	23.00	1.309	0.724	/
Ant.1	Level1&2	State5&10	QPSK	Right Cheek	0	26865	831.5	36	High	-0.05	0.440	21.84	23.00	1.306	0.575	/
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	26865	831.5	1	Mid	0.00	0.533	21.83	23.00	1.309	0.698	/
Ant.1	Level1&2	State5&10	QPSK	Right Tilt	0	26865	831.5	36	High	-0.03	0.429	21.84	23.00	1.306	0.560	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	26865	831.5	1	Mid	0.13	0.180	23.25	24.50	1.334	0.240	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	26865	831.5	36	High	0.05	0.140	22.29	23.50	1.321	0.185	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	26865	831.5	1	Mid	0.16	0.047	23.20	24.50	1.349	0.063	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	26865	831.5	36	High	0.13	0.026	22.17	23.50	1.358	0.035	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	26865	831.5	1	Mid	-0.15	0.086	23.20	24.50	1.349	0.116	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	26865	831.5	36	High	0.18	0.071	22.17	23.50	1.358	0.097	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	26865	831.5	1	Mid	-0.04	0.044	23.20	24.50	1.349	0.059	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	26865	831.5	36	High	0.12	0.029	22.17	23.50	1.358	0.039	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	26865	831.5	1	Mid	-0.17	0.126	21.81	23.00	1.315	0.166	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	26865	831.5	36	High	0.03	0.123	21.77	23.00	1.327	0.163	/

Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	26865	831.5	1	Mid	-0.03	0.031	21.81	23.00	1.315	0.041	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	26865	831.5	36	High	-0.10	0.028	21.77	23.00	1.327	0.037	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	26865	831.5	1	Mid	0.00	0.064	21.81	23.00	1.315	0.084	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	26865	831.5	36	High	-0.13	0.061	21.77	23.00	1.327	0.081	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	26865	831.5	1	Mid	-0.16	0.030	21.81	23.00	1.315	0.039	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	26865	831.5	36	High	0.02	0.027	21.77	23.00	1.327	0.036	/
Body-worn																
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	26865	831.5	1	Mid	0.13	0.075	23.27	24.50	1.327	0.100	/
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	26865	831.5	36	High	0.12	0.068	22.29	23.50	1.321	0.090	/
Ant.1	Level3&4	State3&8	QPSK	Back Side	15	26865	831.5	1	Mid	0.09	0.096	23.27	24.50	1.327	0.128	/
Ant.1	Level3&4	State3&8	QPSK	Back Side	15	26865	831.5	36	High	-0.18	0.078	22.29	23.50	1.321	0.103	/
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	26865	831.5	1	Mid	0.11	0.056	21.83	23.00	1.309	0.073	/
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	26865	831.5	36	High	-0.15	0.059	21.84	23.00	1.306	0.077	/
Ant.1	Level3&4	State3&8	QPSK	Back Side	15	26865	831.5	1	Mid	0.06	0.069	21.83	23.00	1.309	0.090	/
Ant.1	Level3&4	State3&8	QPSK	Back Side	15	26865	831.5	36	High	0.16	0.071	21.84	23.00	1.306	0.093	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	26865	831.5	1	Mid	0.03	0.075	23.20	24.50	1.349	0.101	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	26865	831.5	36	High	0.17	0.070	22.17	23.50	1.358	0.095	/
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	26865	831.5	1	Mid	-0.19	0.105	23.20	24.50	1.349	**0.142**	38#
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	26865	831.5	36	High	-0.15	0.104	22.17	23.50	1.358	0.141	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	26865	831.5	1	Mid	0.14	0.056	21.81	23.00	1.315	0.074	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	26865	831.5	36	High	0.01	0.061	21.77	23.00	1.327	0.081	/
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	26865	831.5	1	Mid	-0.19	0.079	21.81	23.00	1.315	0.104	/
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	26865	831.5	36	High	-0.09	0.086	21.77	23.00	1.327	0.114	/
Hotspot																
Ant.1	Level4	State9	QPSK	Front Side	10	26865	831.5	1	Mid	-0.06	0.112	23.27	24.50	1.327	0.149	/
Ant.1	Level4	State9	QPSK	Front Side	10	26865	831.5	36	High	-0.10	0.081	22.29	23.50	1.321	0.107	/
Ant.1	Level4	State8	QPSK	Back Side	10	26865	831.5	1	Mid	-0.12	0.161	23.27	24.50	1.327	0.214	/
Ant.1	Level4	State8	QPSK	Back Side	10	26865	831.5	36	High	0.19	0.125	22.29	23.50	1.321	0.165	/
Ant.1	Level4	State8	QPSK	Right Edge	10	26865	831.5	1	Mid	0.18	0.061	23.27	24.50	1.327	0.081	/
Ant.1	Level4	State8	QPSK	Right Edge	10	26865	831.5	36	High	0.14	0.048	22.29	23.50	1.321	0.063	/
Ant.1	Level4	State6	QPSK	Top Edge	10	26865	831.5	1	Mid	0.02	0.131	23.27	24.50	1.327	0.174	/
Ant.1	Level4	State6	QPSK	Top Edge	10	26865	831.5	36	High	-0.05	0.112	22.29	23.50	1.321	0.148	/
Ant.1	Level4	State9	QPSK	Front Side	10	26865	831.5	1	Mid	-0.13	0.076	21.83	23.00	1.309	0.099	/
Ant.1	Level4	State9	QPSK	Front Side	10	26865	831.5	36	High	-0.11	0.073	21.84	23.00	1.306	0.095	/
Ant.1	Level4	State8	QPSK	Back Side	10	26865	831.5	1	Mid	0.15	0.113	21.83	23.00	1.309	0.148	/
Ant.1	Level4	State8	QPSK	Back Side	10	26865	831.5	36	High	-0.18	0.111	21.84	23.00	1.306	0.145	/
Ant.1	Level4	State8	QPSK	Right Edge	10	26865	831.5	1	Mid	0.16	0.042	21.83	23.00	1.309	0.055	/
Ant.1	Level4	State8	QPSK	Right Edge	10	26865	831.5	36	High	0.06	0.041	21.84	23.00	1.306	0.054	/
Ant.1	Level4	State6	QPSK	Top Edge	10	26865	831.5	1	Mid	-0.15	0.098	21.83	23.00	1.309	0.128	/
Ant.1	Level4	State6	QPSK	Top Edge	10	26865	831.5	36	High	0.06	0.096	21.84	23.00	1.306	0.125	/
Ant.0	Level4	State9	QPSK	Front Side	10	26865	831.5	1	Mid	-0.09	0.075	23.20	24.50	1.349	0.101	/
Ant.0	Level4	State9	QPSK	Front Side	10	26865	831.5	36	High	0.04	0.072	22.17	23.50	1.358	0.098	/
Ant.0	Level4	State8	QPSK	Back Side	10	26865	831.5	1	Mid	-0.05	0.165	23.20	24.50	1.349	**0.223**	39#

Ant.0	Level4	State8	QPSK	Back Side	10	26865	831.5	36	High	0.00	0.142	22.17	23.50	1.358	0.193	/
Ant.0	Level4	State9	QPSK	Left Edge	10	26865	831.5	1	Mid	0.03	0.054	23.20	24.50	1.349	0.073	/
Ant.0	Level4	State9	QPSK	Left Edge	10	26865	831.5	36	High	-0.14	0.038	22.17	23.50	1.358	0.052	/
Ant.0	Level4	State9	QPSK	Right Edge	10	26865	831.5	1	Mid	-0.15	0.086	23.20	24.50	1.349	0.116	/
Ant.0	Level4	State9	QPSK	Right Edge	10	26865	831.5	36	High	0.09	0.071	22.17	23.50	1.358	0.096	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	26865	831.5	1	Mid	0.02	0.112	23.20	24.50	1.349	0.151	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	26865	831.5	36	High	-0.04	0.092	22.17	23.50	1.358	0.125	/
Ant.0	Level4	State9	QPSK	Front Side	10	26865	831.5	1	Mid	0.15	0.058	21.81	23.00	1.315	0.076	/
Ant.0	Level4	State9	QPSK	Front Side	10	26865	831.5	36	High	-0.19	0.061	21.77	23.00	1.327	0.081	/
Ant.0	Level4	State8	QPSK	Back Side	10	26865	831.5	1	Mid	-0.18	0.123	21.81	23.00	1.315	0.162	/
Ant.0	Level4	State8	QPSK	Back Side	10	26865	831.5	36	High	-0.13	0.126	21.77	23.00	1.327	0.167	/
Ant.0	Level4	State9	QPSK	Left Edge	10	26865	831.5	1	Mid	-0.02	0.035	21.81	23.00	1.315	0.046	/
Ant.0	Level4	State9	QPSK	Left Edge	10	26865	831.5	36	High	-0.17	0.036	21.77	23.00	1.327	0.048	/
Ant.0	Level4	State9	QPSK	Right Edge	10	26865	831.5	1	Mid	-0.01	0.058	21.81	23.00	1.315	0.076	/
Ant.0	Level4	State9	QPSK	Right Edge	10	26865	831.5	36	High	0.10	0.061	21.77	23.00	1.327	0.081	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	26865	831.5	1	Mid	-0.08	0.080	21.81	23.00	1.315	0.105	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	26865	831.5	36	High	-0.12	0.083	21.77	23.00	1.327	0.110	/

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

11.15 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	State5	QPSK	Left Cheek	0	132322	1745	1	Low	0.14	0.499	18.72	20.00	1.343	0.670	/
Ant.1	Level1	State5	QPSK	Left Cheek	0	132072	1720	50	High	0.04	0.506	18.23	20.00	1.503	0.761	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	132322	1745	1	Low	-0.09	0.545	18.72	20.00	1.343	0.732	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	132072	1720	50	High	-0.16	0.531	18.23	20.00	1.503	0.798	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	132322	1745	1	Low	0.15	0.724	18.72	20.00	1.343	0.972	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	132072	1720	50	High	-0.14	0.746	18.23	20.00	1.503	1.121	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	132322	1745	1	Low	0.04	0.776	18.72	20.00	1.343	1.042	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	132072	1720	50	High	0.11	0.752	18.23	20.00	1.503	1.130	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	132072	1720	1	Low	0.01	0.710	18.16	20.00	1.528	1.085	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	132572	1770	1	Mid	-0.04	0.803	18.69	20.00	1.352	1.086	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	132322	1745	50	Low	0.14	0.692	18.17	20.00	1.524	1.055	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	132572	1770	50	Low	0.19	0.660	18.13	20.00	1.538	1.015	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	132072	1720	100	Low	-0.18	0.650	18.24	20.00	1.500	0.975	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	132072	1720	1	Low	0.18	0.760	18.16	20.00	1.528	1.161	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	132572	1770	1	Mid	-0.03	0.866	18.69	20.00	1.352	**1.171**	40#
Ant.1	Level1	State5	QPSK	Right Tilt	0	132322	1745	50	Low	0.13	0.740	18.17	20.00	1.524	1.128	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	132572	1770	50	Low	-0.02	0.713	18.13	20.00	1.538	1.097	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	132072	1720	100	Low	-0.18	0.702	18.24	20.00	1.500	1.053	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	132572	1770	1	High	0.02	0.436	17.80	19.50	1.479	0.645	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	132322	1745	50	Low	0.07	0.460	17.74	19.50	1.500	0.690	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	132572	1770	1	High	0.00	0.500	17.80	19.50	1.479	0.740	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	132322	1745	50	Low	0.11	0.498	17.74	19.50	1.500	0.747	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	132572	1770	1	High	0.15	0.636	17.80	19.50	1.479	0.941	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	132322	1745	50	Low	0.05	0.641	17.74	19.50	1.500	0.961	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	132572	1770	1	High	0.03	0.654	17.80	19.50	1.479	0.967	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	132322	1745	50	Low	0.03	0.638	17.74	19.50	1.500	0.957	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	132072	1720	1	Mid	0.05	0.630	17.66	20.00	1.714	1.080	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	132322	1745	1	Low	-0.14	0.664	17.61	20.00	1.734	1.151	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	132072	1720	50	Low	0.03	0.615	17.63	20.00	1.726	1.061	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	132572	1770	50	High	0.01	0.586	17.64	20.00	1.722	1.009	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	132072	1720	100	Low	-0.11	0.575	17.69	20.00	1.702	0.979	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	132072	1720	1	Mid	-0.17	0.675	17.66	20.00	1.714	1.157	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	132322	1745	1	Low	0.15	0.649	17.61	20.00	1.734	1.125	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	132072	1720	50	Low	-0.06	0.637	17.63	20.00	1.726	1.099	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	132572	1770	50	High	0.09	0.624	17.64	20.00	1.722	1.074	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	132072	1720	100	Low	0.15	0.625	17.69	20.00	1.702	1.064	/

Ant.1	Level1	State5	QPSK	Left Cheek	0	132572	1770	1	High	0.02	0.352	16.77	18.00	1.327	0.467	/
Ant.1	Level1	State5	QPSK	Left Cheek	0	132322	1745	50	Low	0.07	0.364	16.77	18.00	1.327	0.483	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	132572	1770	1	High	0.00	0.397	16.77	18.00	1.327	0.527	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	132322	1745	50	Low	0.11	0.395	16.77	18.00	1.327	0.524	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	132572	1770	1	High	0.15	0.503	16.77	18.00	1.327	0.668	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	132322	1745	50	Low	0.05	0.509	16.77	18.00	1.327	0.676	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	132572	1770	1	High	0.03	0.515	16.77	18.00	1.327	0.684	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	132322	1745	50	Low	0.03	0.512	16.77	18.00	1.327	0.680	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	132572	1770	1	High	-0.17	0.278	15.78	17.00	1.324	0.368	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	132322	1745	50	Low	0.05	0.290	15.66	17.00	1.361	0.395	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	132572	1770	1	High	-0.12	0.315	15.78	17.00	1.324	0.417	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	132322	1745	50	Low	-0.09	0.314	15.66	17.00	1.361	0.427	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	132572	1770	1	High	0.19	0.401	15.78	17.00	1.324	0.531	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	132322	1745	50	Low	-0.03	0.402	15.66	17.00	1.361	0.547	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	132572	1770	1	High	0.02	0.410	15.78	17.00	1.324	0.543	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	132322	1745	50	Low	0.01	0.406	15.66	17.00	1.361	0.553	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	132322	1745	1	Mid	-0.14	0.084	22.05	23.00	1.245	0.105	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	132072	1720	50	High	0.19	0.062	21.10	22.00	1.230	0.076	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	132322	1745	1	Mid	-0.08	0.013	22.05	23.00	1.245	0.016	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	132072	1720	50	High	0.07	0.009	21.10	22.00	1.230	0.011	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	132322	1745	1	Mid	0.19	0.041	22.05	23.00	1.245	0.051	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	132072	1720	50	High	-0.19	0.032	21.10	22.00	1.230	0.039	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	132322	1745	1	Mid	0.00	0.008	22.05	23.00	1.245	0.010	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	132072	1720	50	High	0.14	0.006	21.10	22.00	1.230	0.007	/
Ant.3	Level1&2	State5&10	QPSK	Left Cheek	0	132322	1745	1	Mid	-0.14	0.005	15.40	17.00	1.445	0.007	/
Ant.3	Level1&2	State5&10	QPSK	Left Cheek	0	132072	1720	50	High	-0.13	0.004	15.55	17.00	1.396	0.006	/
Ant.3	Level1&2	State5&10	QPSK	Left Tilt	0	132322	1745	1	Mid	-0.18	0.001	15.40	17.00	1.445	0.001	/
Ant.3	Level1&2	State5&10	QPSK	Left Tilt	0	132072	1720	50	High	-0.04	0.001	15.55	17.00	1.396	0.001	/
Ant.3	Level1&2	State5&10	QPSK	Right Cheek	0	132322	1745	1	Mid	0.11	0.001	15.40	17.00	1.445	0.001	/
Ant.3	Level1&2	State5&10	QPSK	Right Cheek	0	132072	1720	50	High	0.04	0.001	15.55	17.00	1.396	0.001	/
Ant.3	Level1&2	State5&10	QPSK	Right Tilt	0	132322	1745	1	Mid	-0.05	0.000	15.40	17.00	1.445	0.000	/
Ant.3	Level1&2	State5&10	QPSK	Right Tilt	0	132072	1720	50	High	0.07	0.000	15.55	17.00	1.396	0.000	/
Ant.3	Level1&2	State5&10	QPSK	Left Cheek	0	132322	1745	1	Mid	-0.14	0.005	15.40	17.00	1.445	0.007	/
Ant.3	Level1&2	State5&10	QPSK	Left Cheek	0	132072	1720	50	High	-0.13	0.004	15.55	17.00	1.396	0.006	/
Ant.4	Level1	State5	QPSK	Left Cheek	0	132322	1745	1	Low	0.13	0.302	20.74	21.00	1.062	0.321	/
Ant.4	Level1	State5	QPSK	Left Cheek	0	132322	1745	50	Low	-0.06	0.296	20.76	21.00	1.057	0.313	/
Ant.4	Level1	State5	QPSK	Left Tilt	0	132322	1745	1	Low	-0.12	0.130	20.74	21.00	1.062	0.138	/
Ant.4	Level1	State5	QPSK	Left Tilt	0	132322	1745	50	Low	0.17	0.124	20.76	21.00	1.057	0.131	/
Ant.4	Level1	State5	QPSK	Right Cheek	0	132322	1745	1	Low	0.09	0.464	20.74	21.00	1.062	0.493	/
Ant.4	Level1	State5	QPSK	Right Cheek	0	132322	1745	50	Low	0.01	0.456	20.76	21.00	1.057	0.482	/
Ant.4	Level1	State5	QPSK	Right Tilt	0	132322	1745	1	Low	0.05	0.196	20.74	21.00	1.062	0.208	/
Ant.4	Level1	State5	QPSK	Right Tilt	0	132322	1745	50	Low	0.14	0.192	20.76	21.00	1.057	0.203	/
Ant.4	Level2	State10	QPSK	Left Cheek	0	132322	1745	1	Mid	-0.08	0.238	19.71	20.00	1.069	0.254	/

Ant.4	Level2	State10	QPSK	Left Cheek	0	132572	1770	50	High	0.17	0.235	19.67	20.00	1.079	0.254	/
Ant.4	Level2	State10	QPSK	Left Tilt	0	132322	1745	1	Mid	-0.10	0.101	19.71	20.00	1.069	0.108	/
Ant.4	Level2	State10	QPSK	Left Tilt	0	132572	1770	50	High	0.09	0.095	19.67	20.00	1.079	0.102	/
Ant.4	Level2	State10	QPSK	Right Cheek	0	132322	1745	1	Mid	-0.05	0.361	19.71	20.00	1.069	0.386	/
Ant.4	Level2	State10	QPSK	Right Cheek	0	132572	1770	50	High	-0.15	0.354	19.67	20.00	1.079	0.382	/
Ant.4	Level2	State10	QPSK	Right Tilt	0	132322	1745	1	Mid	-0.11	0.152	19.71	20.00	1.069	0.162	/
Ant.4	Level2	State10	QPSK	Right Tilt	0	132572	1770	50	High	-0.09	0.150	19.67	20.00	1.079	0.162	/
Body-worn																
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	132072	1720	1	Mid	0.06	0.126	22.81	23.50	1.172	0.148	/
Ant.1	Level3&4	State4&9	QPSK	Front Side	15	132072	1720	50	Mid	-0.09	0.100	21.80	22.50	1.175	0.117	/
Ant.1	Level3	State3	QPSK	Back Side	15	132072	1720	1	Mid	-0.17	0.210	22.81	23.50	1.172	0.246	
Ant.1	Level3	State3	QPSK	Back Side	15	132072	1720	50	Mid	-0.06	0.183	21.80	22.50	1.175	0.215	/
Ant.1	Level4	State8	QPSK	Back Side	15	132322	1745	1	Mid	0.05	0.153	21.15	22.00	1.216	0.186	
Ant.1	Level4	State8	QPSK	Back Side	15	132072	1720	50	Low	-0.13	0.159	21.19	22.00	1.205	0.192	/
Ant.0	Level3	State4	QPSK	Front Side	15	132322	1745	1	Mid	0.10	0.120	22.05	23.00	1.245	0.149	/
Ant.0	Level3	State4	QPSK	Front Side	15	132072	1720	50	High	0.12	0.090	21.10	22.00	1.230	0.111	/
Ant.0	Level3	State4	QPSK	Back Side	15	132322	1745	1	Mid	0.15	0.210	22.05	23.00	1.245	**0.261**	41#
Ant.0	Level3	State4	QPSK	Back Side	15	132072	1720	50	High	0.05	0.179	21.10	22.00	1.230	0.220	/
Ant.0	Level4	State9	QPSK	Front Side	15	132322	1745	1	Low	-0.04	0.071	20.22	21.00	1.197	0.085	/
Ant.0	Level4	State9	QPSK	Front Side	15	132572	1770	50	High	-0.16	0.070	20.20	21.00	1.202	0.084	/
Ant.0	Level4	State9	QPSK	Back Side	15	132322	1745	1	Low	-0.02	0.134	20.22	21.00	1.197	0.160	/
Ant.0	Level4	State9	QPSK	Back Side	15	132572	1770	50	High	-0.06	0.137	20.20	21.00	1.202	0.165	/
Ant.1	Level3	State4	QPSK	Front Side	15	132322	1745	1	Mid	-0.08	0.085	21.14	22.00	1.219	0.104	/
Ant.1	Level3	State4	QPSK	Front Side	15	132322	1745	50	Mid	0.10	0.088	21.15	22.00	1.216	0.107	/
Ant.1	Level4	State9	QPSK	Front Side	15	132572	1770	1	Mid	0.14	0.073	19.71	21.00	1.346	0.098	/
Ant.1	Level4	State9	QPSK	Front Side	15	132572	1770	50	Low	-0.15	0.073	19.73	21.00	1.340	0.098	/
Ant.1	Level3&4	State3&8	QPSK	Back Side	15	132072	1720	1	Mid	-0.09	0.098	18.81	20.00	1.315	0.129	
Ant.1	Level3&4	State3&8	QPSK	Back Side	15	132322	1745	50	Low	0.03	0.102	18.78	20.00	1.324	0.135	/
Ant.0	Level3	State4	QPSK	Front Side	15	132072	1720	1	Low	0.12	0.048	17.98	19.00	1.265	0.061	/
Ant.0	Level3	State4	QPSK	Front Side	15	132572	1770	50	Mid	-0.01	0.046	17.96	19.00	1.271	0.058	/
Ant.0	Level3	State4	QPSK	Back Side	15	132072	1720	1	Low	0.08	0.086	17.98	19.00	1.265	0.109	/
Ant.0	Level3	State4	QPSK	Back Side	15	132572	1770	50	Mid	0.13	0.088	17.96	19.00	1.271	0.112	/
Ant.0	Level4	State9	QPSK	Front Side	15	132322	1745	1	Low	0.01	0.042	17.46	18.50	1.271	0.053	/
Ant.0	Level4	State9	QPSK	Front Side	15	132072	1720	50	Mid	0.07	0.040	17.42	18.50	1.283	0.051	/
Ant.0	Level4	State9	QPSK	Back Side	15	132322	1745	1	Low	0.19	0.076	17.46	18.50	1.271	0.097	/
Ant.0	Level4	State9	QPSK	Back Side	15	132072	1720	50	Mid	0.03	0.076	17.42	18.50	1.283	0.097	/
Ant.3	Level3&4	/	QPSK	Front Side	15	132322	1745	1	Mid	-0.12	0.000	15.40	17.00	1.445	0.000	/
Ant.3	Level3&4	/	QPSK	Front Side	15	132072	1720	50	High	-0.10	0.000	15.55	17.00	1.396	0.000	/
Ant.3	Level3&4	/	QPSK	Back Side	15	132322	1745	1	Mid	0.00	0.000	15.40	17.00	1.445	0.000	/
Ant.3	Level3&4	/	QPSK	Back Side	15	132072	1720	50	High	0.18	0.000	15.55	17.00	1.396	0.000	/
Ant.4	Level3	/	QPSK	Front Side	15	132322	1745	1	Mid	-0.03	0.090	20.74	21.00	1.062	0.096	/
Ant.4	Level3	/	QPSK	Front Side	15	132572	1770	50	High	0.19	0.091	20.76	21.00	1.057	0.096	/
Ant.4	Level3	/	QPSK	Back Side	15	132322	1745	1	Mid	-0.04	0.111	20.74	21.00	1.062	0.118	/

Ant.4	Level3	/	QPSK	Back Side	15	132572	1770	50	High	0.05	0.109	20.76	21.00	1.057	0.115	/
Ant.4	Level4	/	QPSK	Front Side	15	132322	1745	1	Mid	-0.19	0.074	19.71	20.00	1.069	0.079	/
Ant.4	Level4	/	QPSK	Front Side	15	132572	1770	50	High	0.13	0.071	19.67	20.00	1.079	0.077	/
Ant.4	Level4	/	QPSK	Back Side	15	132322	1745	1	Mid	-0.07	0.086	19.71	20.00	1.069	0.092	/
Ant.4	Level4	/	QPSK	Back Side	15	132572	1770	50	High	-0.16	0.089	19.67	20.00	1.079	0.096	/
Hotspot																
Ant.1	Level4	State9	QPSK	Front Side	10	132072	1720	1	Mid	0.03	0.255	22.81	23.50	1.172	0.299	/
Ant.1	Level4	State9	QPSK	Front Side	10	132072	1720	50	Mid	0.17	0.210	21.80	22.50	1.175	0.247	/
Ant.1	Level4	State8	QPSK	Back Side	10	132322	1745	1	Mid	0.03	0.238	21.15	22.00	1.216	0.289	/
Ant.1	Level4	State8	QPSK	Back Side	10	132072	1720	50	Low	0.19	0.240	21.19	22.00	1.205	0.289	/
Ant.1	Level4	State8	QPSK	Right Edge	10	132322	1745	1	Mid	0.14	0.071	21.15	22.00	1.216	0.086	/
Ant.1	Level4	State8	QPSK	Right Edge	10	132072	1720	50	Low	0.06	0.068	21.19	22.00	1.205	0.082	/
Ant.1	Level4	State6	QPSK	Top Edge	10	132322	1745	1	Mid	0.17	0.301	21.15	22.00	1.216	0.366	/
Ant.1	Level4	State6	QPSK	Top Edge	10	132072	1720	50	Low	0.03	0.304	21.19	22.00	1.205	0.366	/
Ant.0	Level4	State9	QPSK	Front Side	10	132072	1720	1	High	-0.11	0.188	20.22	21.00	1.197	0.225	/
Ant.0	Level4	State9	QPSK	Front Side	10	132322	1745	50	Low	-0.18	0.185	20.20	21.00	1.202	0.222	/
Ant.0	Level4	State8	QPSK	Back Side	10	132072	1720	1	High	-0.05	0.336	20.22	21.00	1.197	0.402	/
Ant.0	Level4	State8	QPSK	Back Side	10	132322	1745	50	Low	-0.06	0.324	20.20	21.00	1.202	0.390	/
Ant.0	Level4	State9	QPSK	Left Edge	10	132072	1720	1	High	0.14	0.085	20.22	21.00	1.197	0.102	/
Ant.0	Level4	State9	QPSK	Left Edge	10	132322	1745	50	Low	-0.09	0.081	20.20	21.00	1.202	0.097	/
Ant.0	Level4	State9	QPSK	Right Edge	10	132072	1720	1	High	-0.19	0.043	20.22	21.00	1.197	0.051	/
Ant.0	Level4	State9	QPSK	Right Edge	10	132322	1745	50	Low	-0.14	0.042	20.20	21.00	1.202	0.050	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	132072	1720	1	High	-0.04	0.513	20.22	21.00	1.197	**0.614**	42#
Ant.0	Level4	State7	QPSK	Bottom Edge	10	132322	1745	50	Low	0.04	0.509	20.20	21.00	1.202	0.612	/
Ant.1	Level4	State9	QPSK	Front Side	10	132572	1770	1	High	0.03	0.145	19.71	21.00	1.346	0.195	/
Ant.1	Level4	State9	QPSK	Front Side	10	132572	1770	50	Low	-0.07	0.148	19.73	21.00	1.340	0.198	/
Ant.1	Level4	State8	QPSK	Back Side	10	132072	1720	1	Mid	-0.07	0.153	18.81	20.00	1.315	0.201	/
Ant.1	Level4	State8	QPSK	Back Side	10	132322	1745	50	Low	0.01	0.151	18.78	20.00	1.324	0.200	/
Ant.1	Level4	State8	QPSK	Right Edge	10	132072	1720	1	Mid	-0.15	0.045	18.81	20.00	1.315	0.059	/
Ant.1	Level4	State8	QPSK	Right Edge	10	132322	1745	50	Low	-0.13	0.044	18.78	20.00	1.324	0.058	/
Ant.1	Level4	State6	QPSK	Top Edge	10	132072	1720	1	Mid	0.11	0.192	18.81	20.00	1.315	0.253	/
Ant.1	Level4	State6	QPSK	Top Edge	10	132322	1745	50	Low	0.00	0.190	18.78	20.00	1.324	0.252	/
Ant.0	Level4	State9	QPSK	Front Side	10	132322	1745	1	Low	0.15	0.105	17.46	18.50	1.271	0.133	/
Ant.0	Level4	State9	QPSK	Front Side	10	132072	1720	50	Mid	-0.02	0.103	17.42	18.50	1.283	0.132	/
Ant.0	Level4	State8	QPSK	Back Side	10	132322	1745	1	Low	-0.11	0.187	17.46	18.50	1.271	0.238	/
Ant.0	Level4	State8	QPSK	Back Side	10	132072	1720	50	Mid	-0.07	0.183	17.42	18.50	1.283	0.235	/
Ant.0	Level4	State9	QPSK	Left Edge	10	132322	1745	1	Low	0.03	0.048	17.46	18.50	1.271	0.061	/
Ant.0	Level4	State9	QPSK	Left Edge	10	132072	1720	50	Mid	0.04	0.046	17.42	18.50	1.283	0.059	/
Ant.0	Level4	State9	QPSK	Right Edge	10	132322	1745	1	Low	-0.16	0.023	17.46	18.50	1.271	0.029	/
Ant.0	Level4	State9	QPSK	Right Edge	10	132072	1720	50	Mid	-0.13	0.021	17.42	18.50	1.283	0.027	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	132322	1745	1	Low	-0.01	0.286	17.46	18.50	1.271	0.363	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	132072	1720	50	Mid	-0.11	0.286	17.42	18.50	1.283	0.367	/
Ant.3	Level4	/	QPSK	Front Side	10	132322	1745	1	Mid	-0.06	0.001	15.40	17.00	1.445	0.001	/

Ant.3	Level4	/	QPSK	Front Side	10	132072	1720	50	High	0.19	0.001	15.55	17.00	1.396	0.001	/
Ant.3	Level4	/	QPSK	Back Side	10	132322	1745	1	Mid	-0.13	0.003	15.40	17.00	1.445	0.004	/
Ant.3	Level4	/	QPSK	Back Side	10	132072	1720	50	High	-0.06	0.003	15.55	17.00	1.396	0.004	/
Ant.3	Level4	/	QPSK	Left Edge	10	132322	1745	1	Mid	0.10	0.001	15.40	17.00	1.445	0.001	/
Ant.3	Level4	/	QPSK	Left Edge	10	132072	1720	50	High	-0.03	0.001	15.55	17.00	1.396	0.001	/
Ant.3	Level4	/	QPSK	Top Edge	10	132322	1745	1	Mid	0.12	0.000	15.40	17.00	1.445	0.000	/
Ant.3	Level4	/	QPSK	Top Edge	10	132072	1720	50	High	0.16	0.000	15.55	17.00	1.396	0.000	/
Ant.4	Level4	/	QPSK	Front Side	10	132322	1745	1	Mid	-0.06	0.019	19.71	20.00	1.069	0.020	/
Ant.4	Level4	/	QPSK	Front Side	10	132572	1770	50	High	-0.01	0.018	19.67	20.00	1.079	0.019	/
Ant.4	Level4	/	QPSK	Back Side	10	132322	1745	1	Mid	0.13	0.175	19.71	20.00	1.069	0.187	/
Ant.4	Level4	/	QPSK	Back Side	10	132572	1770	50	High	-0.11	0.126	19.67	20.00	1.079	0.136	/
Ant.4	Level4	/	QPSK	Right Edge	10	132322	1745	1	Mid	-0.11	0.054	19.71	20.00	1.069	0.058	/
Ant.4	Level4	/	QPSK	Right Edge	10	132572	1770	50	High	-0.11	0.053	19.67	20.00	1.079	0.057	/
Ant.4	Level4	/	QPSK	Top Edge	10	132322	1745	1	Mid	-0.05	0.011	19.71	20.00	1.069	0.012	/
Ant.4	Level4	/	QPSK	Top Edge	10	132572	1770	50	High	-0.10	0.007	19.67	20.00	1.079	0.008	/
P-sensor																
Ant.0	Full Power	/	QPSK	Back Side	11	132322	1745	1	Mid	-0.15	0.368	22.05	23.00	1.245	0.458	/
Ant.0	Full Power	/	QPSK	Back Side	11	132072	1720	50	High	-0.05	0.296	21.10	22.00	1.230	0.364	/
Ant.0	Full Power	/	QPSK	Bottom Edge	12	132322	1745	1	Mid	0.02	0.493	22.05	23.00	1.245	0.614	/
Ant.0	Full Power	/	QPSK	Bottom Edge	12	132072	1720	50	High	0.02	0.395	21.10	22.00	1.230	0.486	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Powrer Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-sensor																
Ant.0	Full Power	/	QPSK	Front Side	8	132322	1745	1	Mid	0.10	0.229	22.05	23.00	1.245	0.285	/
Ant.0	Full Power	/	QPSK	Front Side	8	132072	1720	50	High	0.14	0.174	21.10	22.00	1.230	0.214	/
Ant.0	Full Power	/	QPSK	Right Edge	8	132322	1745	1	Mid	-0.13	0.068	22.05	23.00	1.245	0.085	/
Ant.0	Full Power	/	QPSK	Right Edge	8	132072	1720	50	High	0.13	0.061	21.10	22.00	1.230	0.075	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.16 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	State5	QPSK	Left Cheek	0	37850	2580	1	Mid	0.16	0.205	17.58	18.00	1.102	0.226	/
Ant.1	Level1	State5	QPSK	Left Cheek	0	38150	2610	50	High	-0.18	0.217	17.58	18.00	1.102	0.239	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	37850	2580	1	Mid	-0.15	0.210	17.58	18.00	1.102	0.231	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	38150	2610	50	High	0.14	0.222	17.58	18.00	1.102	0.245	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	37850	2580	1	Mid	-0.16	0.613	17.58	18.00	1.102	**0.675**	43#
Ant.1	Level1	State5	QPSK	Right Cheek	0	38150	2610	50	High	-0.02	0.586	17.58	18.00	1.102	0.646	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	37850	2580	1	Mid	0.08	0.571	17.58	18.00	1.102	0.629	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	38150	2610	50	High	0.09	0.579	17.58	18.00	1.102	0.638	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	37850	2580	1	High	-0.11	0.164	16.44	17.00	1.138	0.187	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	37850	2580	50	Mid	-0.15	0.170	16.16	17.00	1.213	0.206	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	37850	2580	1	High	0.03	0.170	16.44	17.00	1.138	0.193	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	37850	2580	50	Mid	-0.03	0.178	16.16	17.00	1.213	0.216	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	37850	2580	1	High	0.17	0.486	16.44	17.00	1.138	0.553	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	37850	2580	50	Mid	0.16	0.478	16.16	17.00	1.213	0.580	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	37850	2580	1	High	0.17	0.455	16.44	17.00	1.138	0.518	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	37850	2580	50	Mid	-0.13	0.462	16.16	17.00	1.213	0.561	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	38150	2610	1	High	-0.01	0.048	22.80	23.80	1.259	0.060	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	38150	2610	50	High	0.10	0.040	21.64	22.80	1.307	0.052	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	38150	2610	1	High	0.16	0.014	22.80	23.80	1.259	0.018	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	38150	2610	50	High	0.15	0.009	21.64	22.80	1.307	0.012	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	38150	2610	1	High	0.18	0.095	22.80	23.80	1.259	0.120	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	38150	2610	50	High	0.04	0.082	21.64	22.80	1.307	0.107	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	38150	2610	1	High	-0.12	0.049	22.80	23.80	1.259	0.062	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	38150	2610	50	High	-0.12	0.043	21.64	22.80	1.307	0.056	/
Body-worn																
Ant.1	Level3	State4	QPSK	Front Side	15	37850	2580	1	Low	0.16	0.058	20.98	21.50	1.127	0.065	/
Ant.1	Level3	State4	QPSK	Front Side	15	37850	2580	50	Mid	0.16	0.055	21.19	21.50	1.074	0.059	/
Ant.1	Level3	State3	QPSK	Back Side	15	37850	2580	1	Low	0.03	0.123	23.47	24.00	1.130	0.139	/
Ant.1	Level3	State3	QPSK	Back Side	15	37850	2580	50	Low	-0.12	0.089	22.51	23.00	1.119	0.100	/
Ant.1	Level4	State9	QPSK	Front Side	15	37850	2580	1	Mid	-0.17	0.042	19.32	20.00	1.169	0.049	/
Ant.1	Level4	State9	QPSK	Front Side	15	37850	2580	50	Low	0.14	0.040	19.35	20.00	1.161	0.046	/
Ant.1	Level4	State8	QPSK	Back Side	15	37850	2580	1	Low	0.04	0.075	21.98	22.50	1.127	0.085	/
Ant.1	Level4	State8	QPSK	Back Side	15	37850	2580	50	Low	0.15	0.077	22.02	22.50	1.117	0.086	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	38150	2610	1	High	-0.05	0.070	22.80	23.80	1.259	0.088	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	38150	2610	50	High	-0.04	0.048	21.64	22.80	1.307	0.063	/
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	38150	2610	1	High	0.01	0.184	22.80	23.80	1.259	**0.232**	44#

Ant.0	Level3&4	State4&9	QPSK	Back Side	15	38150	2610	50	High	0.00	0.163	21.64	22.80	1.307	0.213	/
Hotspot																
Ant.1	Level4	State9	QPSK	Front Side	10	37850	2580	1	Mid	0.13	0.089	19.32	20.00	1.169	0.104	/
Ant.1	Level4	State9	QPSK	Front Side	10	37850	2580	50	Low	-0.03	0.093	19.35	20.00	1.161	0.108	/
Ant.1	Level4	State8	QPSK	Back Side	10	37850	2580	1	Low	-0.06	0.202	21.98	22.50	1.127	0.228	/
Ant.1	Level4	State8	QPSK	Back Side	10	37850	2580	50	Low	-0.11	0.214	22.02	22.50	1.117	0.239	/
Ant.1	Level4	State8	QPSK	Right Edge	10	37850	2580	1	Low	0.09	0.214	21.98	22.50	1.127	0.241	/
Ant.1	Level4	State8	QPSK	Right Edge	10	37850	2580	50	Low	-0.05	0.216	22.02	22.50	1.117	0.241	/
Ant.1	Level4	State6	QPSK	Top Edge	10	37850	2580	1	Low	0.08	0.248	21.98	22.50	1.127	0.280	/
Ant.1	Level4	State6	QPSK	Top Edge	10	37850	2580	50	Low	-0.01	0.253	22.02	22.50	1.117	0.283	/
Ant.0	Level4	State9	QPSK	Front Side	10	38150	2610	1	High	0.13	0.120	22.80	23.80	1.259	0.151	/
Ant.0	Level4	State9	QPSK	Front Side	10	38150	2610	50	High	0.19	0.098	21.64	22.80	1.307	0.128	/
Ant.0	Level4	State8	QPSK	Back Side	10	38150	2610	1	High	0.15	0.343	22.80	23.80	1.259	**0.432**	45#
Ant.0	Level4	State8	QPSK	Back Side	10	38150	2610	50	High	0.09	0.257	21.64	22.80	1.307	0.336	/
Ant.0	Level4	State9	QPSK	Left Edge	10	38150	2610	1	High	-0.01	0.083	22.80	23.80	1.259	0.104	/
Ant.0	Level4	State9	QPSK	Left Edge	10	38150	2610	50	High	-0.09	0.070	21.64	22.80	1.307	0.091	/
Ant.0	Level4	State9	QPSK	Right Edge	10	38150	2610	1	High	0.10	0.000	22.80	23.80	1.259	0.000	/
Ant.0	Level4	State9	QPSK	Right Edge	10	38150	2610	50	High	-0.11	0.000	21.64	22.80	1.307	0.000	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	38150	2610	1	High	-0.14	0.099	22.80	23.80	1.259	0.125	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	38150	2610	50	High	-0.14	0.075	21.64	22.80	1.307	0.098	/
P-sensor																
Ant.1	Full Power	/	QPSK	Right Edge	11	37850	2580	1	Low	-0.07	0.169	23.47	24.00	1.130	0.191	/
Ant.1	Full Power	/	QPSK	Right Edge	11	37850	2580	50	Low	0.11	0.146	22.51	23.00	1.119	0.163	/
Ant.1	Full Power	/	QPSK	Top Edge	16	37850	2580	1	Low	-0.17	0.124	23.47	24.00	1.130	0.140	/
Ant.1	Full Power	/	QPSK	Top Edge	16	37850	2580	50	Low	-0.10	0.104	22.51	23.00	1.119	0.116	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Powrer Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-sensor																
Ant.1	Full Power	/	QPSK	Front Side	8	37850	2580	1	Low	-0.05	0.340	23.47	24.00	1.130	0.384	/
Ant.1	Full Power	/	QPSK	Front Side	8	37850	2580	50	Low	-0.01	0.273	22.51	23.00	1.119	0.306	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.17 LTE Band 38 Worse case for CA Test

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head-CA																
Ant.1	Level1	State5	QPSK	Right Cheek	0	37850 +38048	2580 +2599.8	1+1	High +Low	0.04	0.503	17.27	18.00	1.183	0.595	/
Body-worn-CA																
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	38150 +37952	2610 +2590.2	1+1	High +Low	0.14	0.132	22.13	23.80	1.469	0.194	/
Hotspot-CA																
Ant.0	Level4	State8	QPSK	Back Side	10	38150 +37952	2610 +2590.2	1+1	High +Low	0.12	0.249	22.13	23.80	1.469	0.366	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.18 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	Level1	State5	QPSK	Left Cheek	0	39750	2506	1	Mid	0.00	0.189	17.32	17.50	1.042	0.197	/
Ant.1	Level1	State5	QPSK	Left Cheek	0	39750	2506	50	High	-0.06	0.202	17.35	17.50	1.035	0.209	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	39750	2506	1	Mid	0.02	0.223	17.32	17.50	1.042	0.232	/
Ant.1	Level1	State5	QPSK	Left Tilt	0	39750	2506	50	High	-0.16	0.229	17.35	17.50	1.035	0.237	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	39750	2506	1	Mid	-0.41	0.544	17.32	17.50	1.042	0.567	/
Ant.1	Level1	State5	QPSK	Right Cheek	0	39750	2506	50	High	0.06	0.572	17.35	17.50	1.035	0.592	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	39750	2506	1	Mid	-0.09	0.569	17.32	17.50	1.042	0.593	/
Ant.1	Level1	State5	QPSK	Right Tilt	0	39750	2506	50	High	0.04	0.595	17.35	17.50	1.035	**0.616**	46#
Ant.1	Level2	State10	QPSK	Left Cheek	0	39750	2506	1	Mid	-0.04	0.190	16.60	17.00	1.096	0.208	/
Ant.1	Level2	State10	QPSK	Left Cheek	0	39750	2506	50	Mid	0.19	0.201	16.65	17.00	1.084	0.218	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	39750	2506	1	Mid	-0.12	0.216	16.60	17.00	1.096	0.237	/
Ant.1	Level2	State10	QPSK	Left Tilt	0	39750	2506	50	Mid	-0.02	0.227	16.65	17.00	1.084	0.246	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	39750	2506	1	Mid	-0.18	0.538	16.60	17.00	1.096	0.590	/
Ant.1	Level2	State10	QPSK	Right Cheek	0	39750	2506	50	Mid	0.18	0.563	16.65	17.00	1.084	0.610	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	39750	2506	1	Mid	0.03	0.545	16.60	17.00	1.096	0.598	/
Ant.1	Level2	State10	QPSK	Right Tilt	0	39750	2506	50	Mid	0.16	0.564	16.65	17.00	1.084	0.611	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	39750	2506	1	Mid	0.14	0.060	22.79	23.50	1.178	0.071	/
Ant.0	Level1&2	State5&10	QPSK	Left Cheek	0	39750	2506	50	Mid	0.10	0.050	21.72	22.50	1.197	0.060	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	39750	2506	1	Mid	0.17	0.044	22.79	23.50	1.178	0.052	/
Ant.0	Level1&2	State5&10	QPSK	Left Tilt	0	39750	2506	50	Mid	-0.06	0.035	21.72	22.50	1.197	0.042	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	39750	2506	1	Mid	0.04	0.128	22.79	23.50	1.178	0.151	/
Ant.0	Level1&2	State5&10	QPSK	Right Cheek	0	39750	2506	50	Mid	-0.15	0.098	21.72	22.50	1.197	0.117	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	39750	2506	1	Mid	0.01	0.064	22.79	23.50	1.178	0.075	/
Ant.0	Level1&2	State5&10	QPSK	Right Tilt	0	39750	2506	50	Mid	-0.16	0.044	21.72	22.50	1.197	0.052	/
Body-worn																
Ant.1	Level3	State4	QPSK	Front Side	15	39750	2506	1	Mid	0.00	0.071	21.47	21.50	1.007	0.071	/
Ant.1	Level3	State4	QPSK	Front Side	15	39750	2506	50	High	-0.14	0.069	21.36	21.50	1.033	0.071	/
Ant.1	Level3	State3	QPSK	Back Side	15	39750	2506	1	Mid	-0.18	0.121	23.76	24.00	1.057	0.128	/
Ant.1	Level3	State3	QPSK	Back Side	15	39750	2506	50	High	-0.04	0.118	22.81	23.00	1.045	0.123	/
Ant.1	Level4	State9	QPSK	Front Side	15	39750	2506	1	Mid	0.04	0.050	19.81	20.00	1.045	0.052	/
Ant.1	Level4	State9	QPSK	Front Side	15	39750	2506	50	Mid	0.04	0.049	19.78	20.00	1.052	0.052	/
Ant.1	Level4	State8	QPSK	Back Side	15	39750	2506	1	Mid	-0.12	0.094	22.35	22.50	1.035	0.097	/
Ant.1	Level4	State8	QPSK	Back Side	15	39750	2506	50	Mid	-0.05	0.091	22.34	22.50	1.038	0.094	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	39750	2506	1	Mid	0.09	0.060	22.79	23.50	1.178	0.071	/
Ant.0	Level3&4	State4&9	QPSK	Front Side	15	39750	2506	50	Mid	-0.14	0.047	21.72	22.50	1.197	0.056	/
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	39750	2506	1	Mid	-0.11	0.182	22.79	23.50	1.178	**0.214**	47#

Ant.0	Level3&4	State4&9	QPSK	Back Side	15	39750	2506	50	Mid	-0.01	0.142	21.72	22.50	1.197	0.170	/
Hotspot																
Ant.1	Level4	State9	QPSK	Front Side	10	39750	2506	1	Mid	0.13	0.106	19.81	20.00	1.045	0.111	/
Ant.1	Level4	State9	QPSK	Front Side	10	39750	2506	50	Mid	-0.15	0.113	19.78	20.00	1.052	0.119	/
Ant.1	Level4	State8	QPSK	Back Side	10	39750	2506	1	Mid	-0.19	0.221	22.35	22.50	1.035	0.229	/
Ant.1	Level4	State8	QPSK	Back Side	10	39750	2506	50	Mid	-0.13	0.219	22.34	22.50	1.038	0.227	/
Ant.1	Level4	State8	QPSK	Right Edge	10	39750	2506	1	Mid	0.00	0.241	22.35	22.50	1.035	0.249	/
Ant.1	Level4	State8	QPSK	Right Edge	10	39750	2506	50	Mid	-0.03	0.238	22.34	22.50	1.038	0.247	/
Ant.1	Level4	State6	QPSK	Top Edge	10	39750	2506	1	Mid	-0.08	0.251	22.35	22.50	1.035	0.260	/
Ant.1	Level4	State6	QPSK	Top Edge	10	39750	2506	50	Mid	0.01	0.246	22.34	22.50	1.038	0.255	/
Ant.0	Level4	State9	QPSK	Front Side	10	39750	2506	1	Mid	0.11	0.130	22.79	23.50	1.178	0.153	/
Ant.0	Level4	State9	QPSK	Front Side	10	39750	2506	50	Mid	0.02	0.111	21.72	22.50	1.197	0.133	/
Ant.0	Level4	State8	QPSK	Back Side	10	39750	2506	1	Mid	-0.12	0.343	22.79	23.50	1.178	**0.404**	48#
Ant.0	Level4	State8	QPSK	Back Side	10	39750	2506	50	Mid	-0.17	0.266	21.72	22.50	1.197	0.318	/
Ant.0	Level4	State9	QPSK	Left Edge	10	39750	2506	1	Mid	-0.18	0.096	22.79	23.50	1.178	0.113	/
Ant.0	Level4	State9	QPSK	Left Edge	10	39750	2506	50	Mid	0.17	0.070	21.72	22.50	1.197	0.084	/
Ant.0	Level4	State9	QPSK	Right Edge	10	39750	2506	1	Mid	-0.13	0.010	22.79	23.50	1.178	0.012	/
Ant.0	Level4	State9	QPSK	Right Edge	10	39750	2506	50	Mid	-0.17	0.009	21.72	22.50	1.197	0.011	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	39750	2506	1	Mid	-0.06	0.084	22.79	23.50	1.178	0.099	/
Ant.0	Level4	State7	QPSK	Bottom Edge	10	39750	2506	50	Mid	0.19	0.062	21.72	22.50	1.197	0.074	/
P-sensor																
Ant.1	Full Power	/	QPSK	Right Edge	11	37850	2580	1	Mid	0.01	0.179	23.76	24.00	1.057	0.189	/
Ant.1	Full Power	/	QPSK	Right Edge	11	37850	2580	50	High	-0.14	0.145	22.81	23.00	1.045	0.151	/
Ant.1	Full Power	/	QPSK	Top Edge	16	37850	2580	1	Mid	0.12	0.088	23.76	24.00	1.057	0.093	/
Ant.1	Full Power	/	QPSK	Top Edge	16	37850	2580	50	High	-0.19	0.070	22.81	23.00	1.045	0.073	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Powrer Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-sensor																
Ant.1	Full Power	/	QPSK	Front Side	8	37850	2580	1	Mid	0.04	0.340	23.76	24.00	1.057	0.359	/
Ant.1	Full Power	/	QPSK	Front Side	8	37850	2580	50	High	-0.06	0.262	22.81	23.00	1.045	0.274	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.19 LTE Band 41 Worse case for CA Test

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head-CA																
Ant.1	Level1	State5	QPSK	Right Tilt	0	39750 +39948	2506 +2525.8	1+1	High +Low	0.07	0.492	17.11	17.50	1.094	0.538	/
Body-worn-CA																
Ant.0	Level3&4	State4&9	QPSK	Back Side	15	39750 +39948	2506 +2525.8	1+1	High +Low	0.06	0.156	22.58	23.50	1.236	0.193	/
Hotspot-CA																
Ant.0	Level4	State8	QPSK	Back Side	10	39750 +39948	2506 +2525.8	1+1	High +Low	-0.09	0.302	22.58	23.50	1.236	0.373	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.20 5G n5 (20MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Number	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.0	Level1	State5	SA	Left Cheek	0	167300	836.5	1	53	-0.03	0.011	22.41	23.20	1.199	0.013	/
	Level1	State5		Left Cheek	0	167800	839	50	0	-0.12	0.010	22.53	23.20	1.167	0.012	/
	Level1	State5		Left Tilt	0	167300	836.5	1	53	0.18	0.005	22.41	23.20	1.199	0.006	/
	Level1	State5		Left Tilt	0	167800	839	50	0	-0.06	0.005	22.53	23.20	1.167	0.006	/
	Level1	State5		Right Cheek	0	167300	836.5	1	53	-0.07	0.019	22.41	23.20	1.199	0.023	/
	Level1	State5		Right Cheek	0	167800	839	50	0	-0.17	0.018	22.53	23.20	1.167	0.021	/
	Level1	State5		Right Tilt	0	167300	836.5	1	53	-0.07	0.009	22.41	23.20	1.199	0.011	/
	Level1	State5		Right Tilt	0	167800	839	50	0	-0.15	0.008	22.53	23.20	1.167	0.009	/
Ant.0	Level2	State10	SA	Left Cheek	0	167300	836.5	1	53	0.04	0.009	21.36	22.20	1.213	0.011	/
	Level2	State10		Left Cheek	0	166800	834	50	28	-0.18	0.008	21.48	22.20	1.180	0.009	/
	Level2	State10		Left Tilt	0	167300	836.5	1	53	0.08	0.004	21.36	22.20	1.213	0.005	/
	Level2	State10		Left Tilt	0	166800	834	50	28	-0.14	0.005	21.48	22.20	1.180	0.006	/
	Level2	State10		Right Cheek	0	167300	836.5	1	53	0.09	0.015	21.36	22.20	1.213	0.018	/
	Level2	State10		Right Cheek	0	166800	834	50	28	-0.07	0.014	21.48	22.20	1.180	0.017	/
	Level2	State10		Right Tilt	0	167300	836.5	1	53	-0.01	0.007	21.36	22.20	1.213	0.008	/
	Level2	State10		Right Tilt	0	166800	834	50	28	-0.02	0.007	21.48	22.20	1.180	0.008	/
Ant.0	Level1	State5	ENDC	Left Cheek	0	167800	839	1	53	0.11	0.005	18.87	19.70	1.211	0.006	/
	Level1	State5		Left Cheek	0	167800	839	50	0	0.08	0.005	18.90	19.70	1.202	0.006	/
	Level1	State5		Left Tilt	0	167800	839	1	53	-0.01	0.003	18.87	19.70	1.211	0.004	/
	Level1	State5		Left Tilt	0	167800	839	50	0	0.13	0.003	18.90	19.70	1.202	0.004	/
	Level1	State5		Right Cheek	0	167800	839	1	53	0.16	0.008	18.87	19.70	1.211	0.010	/
	Level1	State5		Right Cheek	0	167800	839	50	0	-0.18	0.007	18.90	19.70	1.202	0.008	/
	Level1	State5		Right Tilt	0	167800	839	1	53	-0.08	0.004	18.87	19.70	1.211	0.005	/
	Level1	State5		Right Tilt	0	167800	839	50	0	-0.13	0.004	18.90	19.70	1.202	0.005	/
Ant.0	Level2	State10	ENDC	Left Cheek	0	167300	836.5	1	53	0.07	0.003	17.87	18.70	1.211	0.004	/
	Level2	State10		Left Cheek	0	166800	834	50	28	0.06	0.000	17.92	18.70	1.197	0.000	/
	Level2	State10		Left Tilt	0	167300	836.5	1	53	0.09	0.000	17.87	18.70	1.211	0.000	/
	Level2	State10		Left Tilt	0	166800	834	50	28	-0.19	0.000	17.92	18.70	1.197	0.000	/
	Level2	State10		Right Cheek	0	167300	836.5	1	53	0.09	0.006	17.87	18.70	1.211	0.007	/
	Level2	State10		Right Cheek	0	166800	834	50	28	-0.10	0.005	17.92	18.70	1.197	0.006	/
	Level2	State10		Right Tilt	0	167300	836.5	1	53	0.15	0.003	17.87	18.70	1.211	0.004	/
	Level2	State10		Right Tilt	0	166800	834	50	28	0.09	0.000	17.92	18.70	1.197	0.000	/
Ant.1	Level1&2	State 5&10	SA	Left Cheek	0	167300	836.5	1	53	0.03	0.488	23.70	24.20	1.122	0.548	/
	Level1&2	State 5&10		Left Cheek	0	167300	836.5	50	28	0.03	0.485	23.48	24.20	1.180	0.572	/
	Level1&2	State 5&10		Left Tilt	0	167300	836.5	1	53	0.13	0.374	23.70	24.20	1.122	0.420	/
	Level1&2	State 5&10		Left Tilt	0	167300	836.5	50	28	0.13	0.370	23.48	24.20	1.180	0.437	/

	Level1&2	State 5&10		Right Cheek	0	167300	836.5	1	53	-0.19	0.636	23.70	24.20	1.122	**0.714**	49#
	Level1&2	State 5&10		Right Cheek	0	167300	836.5	50	28	0.18	0.603	23.48	24.20	1.180	0.712	/
	Level1&2	State 5&10		Right Tilt	0	167300	836.5	1	53	0.09	0.399	23.70	24.20	1.122	0.448	/
	Level1&2	State 5&10		Right Tilt	0	167300	836.5	50	28	0.09	0.392	23.48	24.20	1.180	0.463	/
Ant.1	Level1&2	State 5&10	ENDC	Left Cheek	0	167300	836.5	1	53	0.00	0.386	22.63	23.20	1.140	0.440	/
	Level1&2	State 5&10		Left Cheek	0	166800	834	50	28	-0.13	0.386	22.34	23.20	1.219	0.471	/
	Level1&2	State 5&10		Left Tilt	0	167300	836.5	1	53	-0.14	0.297	22.63	23.20	1.140	0.339	/
	Level1&2	State 5&10		Left Tilt	0	166800	834	50	28	0.13	0.294	22.34	23.20	1.219	0.358	/
	Level1&2	State 5&10		Right Cheek	0	167300	836.5	1	53	-0.14	0.502	22.63	23.20	1.140	0.572	/
	Level1&2	State 5&10		Right Cheek	0	166800	834	50	28	0.10	0.483	22.34	23.20	1.219	0.589	/
	Level1&2	State 5&10		Right Tilt	0	167300	836.5	1	53	0.14	0.315	22.63	23.20	1.140	0.359	/
	Level1&2	State 5&10		Right Tilt	0	166800	834	50	28	-0.10	0.314	22.34	23.20	1.219	0.383	/
Body-worn																
	Level3&4	State 4&9		Front Side	15	167800	839	1	53	-0.10	0.043	23.51	24.20	1.172	0.050	/
Ant.0	Level3&4	State 4&9	SA	Front Side	15	167800	839	50	28	-0.14	0.042	23.34	24.20	1.219	0.051	/
	Level3&4	State 4&9		Back Side	15	167800	839	1	53	0.09	0.061	23.51	24.20	1.172	0.072	/
	Level3&4	State 4&9		Back Side	15	167800	839	50	28	0.07	0.058	23.34	24.20	1.219	0.071	/
	Level3&4	State 4&9		Front Side	15	167300	836.5	1	53	-0.15	0.032	22.41	23.20	1.199	0.038	/
Ant.0	Level3&4	State 4&9	ENDC	Front Side	15	167800	839	50	0	0.03	0.031	22.53	23.20	1.167	0.036	/
	Level3&4	State 4&9		Back Side	15	167300	836.5	1	53	-0.12	0.048	22.41	23.20	1.199	0.058	/
	Level3&4	State 4&9		Back Side	15	167800	839	50	0	0.19	0.046	22.53	23.20	1.167	0.054	/
	Level3&4	State 4&9		Front Side	15	167300	836.5	1	53	-0.06	0.051	23.70	24.20	1.122	0.057	/
Ant.1	Level3&4	State 4&9	SA	Front Side	15	167300	836.5	50	28	-0.02	0.049	23.48	24.20	1.180	0.058	/
	Level3&4	State 3&8		Back Side	15	167300	836.5	1	53	-0.07	0.068	23.70	24.20	1.122	**0.077**	50#
	Level3&4	State 3&8		Back Side	15	167300	836.5	50	28	-0.18	0.063	23.48	24.20	1.180	0.074	/
	Level3&4	State 4&9		Front Side	15	167300	836.5	1	53	0.10	0.044	22.63	23.20	1.140	0.050	/
	Level3&4	State 4&9		Front Side	15	166800	834	50	28	0.12	0.042	22.34	23.20	1.219	0.051	/
Ant.1	Level3	State 3	ENDC	Back Side	15	167300	836.5	1	53	0.03	0.053	22.63	23.20	1.140	0.060	/
	Level3	State 3		Back Side	15	166800	834	50	28	-0.18	0.050	22.34	23.20	1.219	0.061	/
	Level4	State 8		Back Side	15	167800	839	1	1	0.04	0.040	21.57	22.20	1.156	0.046	/
	Level4	State 8		Back Side	15	166800	834	50	28	-0.16	0.040	21.30	22.20	1.230	0.049	/
Hotspot																
	Level4	State9		Front Side	10	167800	839	1	53	0.18	0.057	23.51	24.20	1.172	0.067	/
	Level4	State9		Front Side	10	167800	839	50	28	-0.11	0.055	23.34	24.20	1.219	0.067	/
	Level4	State8		Back Side	10	167800	839	1	53	0.13	0.101	23.51	24.20	1.172	0.118	/
	Level4	State8		Back Side	10	167800	839	50	28	-0.12	0.093	23.34	24.20	1.219	0.113	/
	Level4	State9		Left Edge	10	167800	839	1	53	0.17	0.035	23.51	24.20	1.172	0.041	/
Ant.0	Level4	State9	SA	Left Edge	10	167800	839	50	28	-0.10	0.033	23.34	24.20	1.219	0.040	/
	Level4	State9		Right Edge	10	167800	839	1	53	-0.11	0.042	23.51	24.20	1.172	0.049	/
	Level4	State9		Right Edge	10	167800	839	50	28	0.15	0.040	23.34	24.20	1.219	0.049	/
	Level4	State7		Bottom Edge	10	167800	839	1	53	-0.11	0.084	23.51	24.20	1.172	0.098	/
	Level4	State7		Bottom Edge	10	167800	839	50	28	0.01	0.078	23.34	24.20	1.219	0.095	/
Ant.0	Level4	State9	ENDC	Front Side	10	167300	836.5	1	53	0.05	0.045	22.41	23.20	1.199	0.054	/

	Level4	State9		Front Side	10	167800	839	50	0	0.18	0.042	22.53	23.20	1.167	0.049	/
	Level4	State8		Back Side	10	167300	836.5	1	53	-0.10	0.078	22.41	23.20	1.199	0.094	/
	Level4	State8		Back Side	10	167800	839	50	0	-0.14	0.076	22.53	23.20	1.167	0.089	/
	Level4	State9		Left Edge	10	167300	836.5	1	53	-0.05	0.028	22.41	23.20	1.199	0.034	/
	Level4	State9		Left Edge	10	167800	839	50	0	0.03	0.026	22.53	23.20	1.167	0.030	/
	Level4	State9		Right Edge	10	167300	836.5	1	53	0.13	0.033	22.41	23.20	1.199	0.040	/
	Level4	State9		Right Edge	10	167800	839	50	0	-0.06	0.036	22.53	23.20	1.167	0.042	/
	Level4	State7		Bottom Edge	10	167300	836.5	1	53	0.15	0.067	22.41	23.20	1.199	0.080	/
	Level4	State7		Bottom Edge	10	167800	839	50	0	0.19	0.065	22.53	23.20	1.167	0.076	/
Ant.1	Level4	State9	SA	Front Side	10	167300	836.5	1	53	0.17	0.092	23.70	24.20	1.122	0.103	/
	Level4	State9		Front Side	10	167300	836.5	50	28	0.12	0.087	23.48	24.20	1.180	0.103	/
	Level4	State 8		Back Side	10	167300	836.5	1	53	0.17	0.112	23.70	24.20	1.122	**0.126**	51#
	Level4	State 8		Back Side	10	167300	836.5	50	28	0.15	0.105	23.48	24.20	1.180	0.124	/
	Level4	State 8		Right Edge	10	167300	836.5	1	53	0.05	0.037	23.70	24.20	1.122	0.042	/
	Level4	State 8		Right Edge	10	167300	836.5	50	28	0.16	0.036	23.48	24.20	1.180	0.042	/
	Level4	State 6		Top Edge	10	167300	836.5	1	53	0.16	0.072	23.70	24.20	1.122	0.081	/
	Level4	State 6		Top Edge	10	167300	836.5	50	28	-0.02	0.073	23.48	24.20	1.180	0.086	/
Ant.1	Level4	State9	ENDC	Front Side	10	167300	836.5	1	53	0.12	0.062	22.63	23.20	1.140	0.071	/
	Level4	State9		Front Side	10	166800	834	50	28	-0.07	0.055	22.34	23.20	1.219	0.067	/
	Level4	State 8		Back Side	10	167800	839	1	1	-0.03	0.053	21.57	22.20	1.156	0.061	/
	Level4	State 8		Back Side	10	166800	834	50	28	-0.18	0.051	21.30	22.20	1.230	0.063	/
	Level4	State 8		Right Edge	10	167800	839	1	1	0.07	0.023	21.57	22.20	1.156	0.027	/
	Level4	State 8		Right Edge	10	166800	834	50	28	0.14	0.022	21.30	22.20	1.230	0.027	/
	Level4	State 6		Top Edge	10	167800	839	1	1	0.18	0.045	21.57	22.20	1.156	0.052	/
	Level4	State 6		Top Edge	10	166800	834	50	28	0.09	0.043	21.30	22.20	1.230	0.053	/

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

11.21 5G n7 (50MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Number	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.0	Level1&2	State 5&10	SA	Left Cheek	0	507000	2535	1	135	0.15	0.084	21.63	22.90	1.340	0.113	/
	Level1&2	State 5&10		Left Cheek	0	504000	2520	135	67	-0.09	0.082	21.76	22.90	1.300	0.107	/
	Level1&2	State 5&10		Left Tilt	0	507000	2535	1	135	-0.03	0.039	21.63	22.90	1.340	0.052	/
	Level1&2	State 5&10		Left Tilt	0	504000	2520	135	67	-0.09	0.038	21.76	22.90	1.300	0.049	/
	Level1&2	State 5&10		Right Cheek	0	507000	2535	1	135	0.06	0.123	21.63	22.90	1.340	0.165	/
	Level1&2	State 5&10		Right Cheek	0	504000	2520	135	67	-0.17	0.116	21.76	22.90	1.300	0.151	/
	Level1&2	State 5&10		Right Tilt	0	507000	2535	1	135	-0.16	0.075	21.63	22.90	1.340	0.100	/
	Level1&2	State 5&10		Right Tilt	0	504000	2520	135	67	-0.16	0.068	21.76	22.90	1.300	0.088	/
Ant.0	Level1&2	State 5&10	ENDC	Left Cheek	0	507000	2535	1	135	0.15	0.084	21.63	23.20	1.435	0.121	/
	Level1&2	State 5&10		Left Cheek	0	504000	2520	135	67	-0.09	0.082	21.76	23.20	1.393	0.114	/
	Level1&2	State 5&10		Left Tilt	0	507000	2535	1	135	-0.03	0.039	21.63	23.20	1.435	0.056	/
	Level1&2	State 5&10		Left Tilt	0	504000	2520	135	67	-0.09	0.038	21.76	23.20	1.393	0.053	/
	Level1&2	State 5&10		Right Cheek	0	507000	2535	1	135	0.06	0.123	21.63	23.20	1.435	0.177	/
	Level1&2	State 5&10		Right Cheek	0	504000	2520	135	67	-0.17	0.116	21.76	23.20	1.393	0.162	/
	Level1&2	State 5&10		Right Tilt	0	507000	2535	1	135	-0.16	0.075	21.63	23.20	1.435	0.108	/
	Level1&2	State 5&10		Right Tilt	0	504000	2520	135	67	-0.16	0.068	21.76	23.20	1.393	0.095	/
Ant.1	Level1	State 5	SA	Left Cheek	0	507000	2535	1	1	0.11	0.174	16.53	16.90	1.089	0.189	/
	Level1	State 5		Left Cheek	0	504000	2520	135	134	-0.16	0.160	16.84	16.90	1.014	0.162	/
	Level1	State 5		Left Tilt	0	507000	2535	1	1	0.02	0.211	16.53	16.90	1.089	0.230	/
	Level1	State 5		Left Tilt	0	504000	2520	135	134	0.08	0.204	16.84	16.90	1.014	0.207	/
	Level1	State 5		Right Cheek	0	507000	2535	1	1	0.08	0.421	16.53	16.90	1.089	**0.458**	52#
	Level1	State 5		Right Cheek	0	504000	2520	135	134	0.03	0.416	16.84	16.90	1.014	0.422	/
	Level1	State 5		Right Tilt	0	507000	2535	1	1	0.16	0.356	16.53	16.90	1.089	0.388	/
	Level1	State 5		Right Tilt	0	504000	2520	135	134	0.16	0.350	16.84	16.90	1.014	0.355	/
Ant.1	Level2	State 10	SA	Left Cheek	0	507000	2535	1	135	-0.15	0.133	15.65	15.90	1.059	0.141	/
	Level2	State 10		Left Cheek	0	504000	2520	135	67	0.10	0.130	15.77	15.90	1.030	0.134	/
	Level2	State 10		Left Tilt	0	507000	2535	1	135	-0.10	0.165	15.65	15.90	1.059	0.175	/
	Level2	State 10		Left Tilt	0	504000	2520	135	67	-0.14	0.163	15.77	15.90	1.030	0.168	/
	Level2	State 10		Right Cheek	0	507000	2535	1	135	0.07	0.337	15.65	15.90	1.059	0.357	/
	Level2	State 10		Right Cheek	0	504000	2520	135	67	0.06	0.335	15.77	15.90	1.030	0.345	/
	Level2	State 10		Right Tilt	0	507000	2535	1	135	0.03	0.281	15.65	15.90	1.059	0.298	/
	Level2	State 10		Right Tilt	0	504000	2520	135	67	-0.06	0.281	15.77	15.90	1.030	0.290	/
Ant.4	Level1	State 5	ENDC	Left Cheek	0	504000	2520	1	1	0.13	0.165	20.52	21.20	1.169	0.193	/
	Level1	State 5		Left Cheek	0	507000	2535	135	134	-0.13	0.162	20.39	21.20	1.205	0.195	/
	Level1	State 5		Left Tilt	0	504000	2520	1	1	-0.09	0.065	20.52	21.20	1.169	0.076	/
	Level1	State 5		Left Tilt	0	507000	2535	135	134	0.18	0.061	20.39	21.20	1.205	0.074	/

	Level1	State 5		Right Cheek	0	504000	2520	1	1	-0.17	0.266	20.52	21.20	1.169	0.311	/
	Level1	State 5		Right Cheek	0	507000	2535	135	134	0.12	0.258	20.39	21.20	1.205	0.311	/
	Level1	State 5		Right Tilt	0	504000	2520	1	1	0.10	0.088	20.52	21.20	1.169	0.103	/
	Level1	State 5		Right Tilt	0	507000	2535	135	134	0.11	0.084	20.39	21.20	1.205	0.101	/
Ant.4	Level2	State 10	ENDC	Left Cheek	0	510000	2550	1	135	0.11	0.134	19.52	20.20	1.169	0.157	/
	Level2	State 10		Left Cheek	0	510000	2550	135	134	0.00	0.132	19.61	20.20	1.146	0.151	/
	Level2	State 10		Left Tilt	0	510000	2550	1	135	0.06	0.053	19.52	20.20	1.169	0.062	/
	Level2	State 10		Left Tilt	0	510000	2550	135	67	-0.04	0.052	19.61	20.20	1.146	0.060	/
	Level2	State 10		Right Cheek	0	510000	2550	1	135	0.14	0.215	19.52	20.20	1.169	0.251	/
	Level2	State 10		Right Cheek	0	510000	2550	135	67	-0.06	0.211	19.61	20.20	1.146	0.242	/
	Level2	State 10		Right Tilt	0	510000	2550	1	135	-0.15	0.072	19.52	20.20	1.169	0.084	/
	Level2	State 10		Right Tilt	0	510000	2550	135	67	0.13	0.069	19.61	20.20	1.146	0.079	/
Body-worn																
Ant.0	Level3	State4	SA	Front Side	15	507000	2535	1	135	0.03	0.102	21.63	22.90	1.340	0.137	/
	Level3	State4		Front Side	15	504000	2520	135	67	0.00	0.100	21.76	22.90	1.300	0.130	/
	Level3	State4		Back Side	15	507000	2535	1	135	0.07	0.138	21.63	22.90	1.340	0.185	/
	Level3	State4		Back Side	15	504000	2520	135	67	0.16	0.135	21.76	22.90	1.300	0.176	/
Ant.0	Level4	State9	SA	Front Side	15	507000	2535	1	135	0.17	0.091	21.33	21.90	1.140	0.104	/
	Level4	State9		Front Side	15	504000	2520	135	67	-0.09	0.090	21.46	21.90	1.107	0.100	/
	Level4	State9		Back Side	15	507000	2535	1	135	-0.17	0.124	21.33	21.90	1.140	0.141	/
	Level4	State9		Back Side	15	504000	2520	135	67	0.02	0.121	21.46	21.90	1.107	0.134	/
Ant.0	Level3	State4	ENDC	Front Side	15	507000	2535	1	135	-0.11	0.053	18.70	20.20	1.413	0.075	/
	Level3	State4		Front Side	15	504000	2520	135	67	0.01	0.052	18.86	20.20	1.361	0.071	/
	Level3	State4		Back Side	15	507000	2535	1	135	0.04	0.072	18.70	20.20	1.413	0.102	/
	Level3	State4		Back Side	15	504000	2520	135	67	-0.09	0.071	18.86	20.20	1.361	0.097	/
Ant.0	Level4	State9	ENDC	Front Side	15	510000	2550	1	135	-0.15	0.048	18.07	19.20	1.297	0.062	/
	Level4	State9		Front Side	15	507000	2535	135	134	-0.14	0.046	18.06	19.20	1.300	0.060	/
	Level4	State9		Back Side	15	510000	2550	1	135	0.08	0.061	18.07	19.20	1.297	0.079	/
	Level4	State9		Back Side	15	507000	2535	135	134	0.14	0.064	18.06	19.20	1.300	0.083	/
Ant.1	Level3	State4	SA	Front Side	15	507000	2535	1	135	-0.09	0.115	19.74	20.40	1.164	0.134	/
	Level3	State4		Front Side	15	510000	2550	135	67	-0.19	0.112	19.99	20.40	1.099	0.123	/
	Level3	State3		Back Side	15	507000	2535	1	135	-0.03	0.198	20.70	21.40	1.175	**0.233**	53#
	Level3	State3		Back Side	15	510000	2550	135	0	0.15	0.206	21.00	21.40	1.096	0.226	/
Ant.1	Level4	State9	SA	Front Side	15	507000	2535	1	268	0.09	0.094	18.52	19.40	1.225	0.115	/
	Level4	State9		Front Side	15	510000	2550	135	67	0.00	0.093	18.93	19.40	1.114	0.104	/
	Level4	State8		Back Side	15	507000	2535	1	268	-0.12	0.129	18.52	19.40	1.225	0.158	/
	Level4	State8		Back Side	15	510000	2550	135	67	0.13	0.131	18.93	19.40	1.114	0.146	/
Ant.4	Level3	/	ENDC	Front Side	15	504000	2520	1	1	0.03	0.065	20.52	21.20	1.169	0.076	/
	Level3	/		Front Side	15	507000	2535	135	134	0.01	0.063	20.39	21.20	1.205	0.076	/
	Level3	/		Back Side	15	504000	2520	1	1	0.16	0.165	20.52	21.20	1.169	0.193	/
	Level3	/		Back Side	15	507000	2535	135	134	0.05	0.160	20.39	21.20	1.205	0.193	/
Ant.4	Level4	/	ENDC	Front Side	15	510000	2550	1	135	-0.01	0.052	19.52	20.20	1.169	0.061	/
	Level4	/		Front Side	15	510000	2550	135	134	0.04	0.051	19.61	20.20	1.146	0.058	/

	Level4	/		Back Side	15	510000	2550	1	135	-0.14	0.135	19.52	20.20	1.169	0.158	/
	Level4	/		Back Side	15	510000	2550	135	134	-0.18	0.133	19.61	20.20	1.146	0.152	/
Hotspot																
Ant.0	Level4	State9	SA	Front Side	10	507000	2535	1	135	-0.05	0.141	21.33	21.90	1.140	0.161	/
	Level4	State9		Front Side	10	504000	2520	135	67	-0.05	0.138	21.46	21.90	1.107	0.153	/
	Level4	State8		Back Side	10	507000	2535	1	268	-0.09	0.210	20.24	20.90	1.164	0.244	/
	Level4	State8		Back Side	10	510000	2550	135	67	-0.08	0.209	20.28	20.90	1.153	0.241	/
	Level4	State9		Left Edge	10	507000	2535	1	135	-0.11	0.155	21.33	21.90	1.140	0.177	/
	Level4	State9		Left Edge	10	504000	2520	135	67	-0.15	0.152	21.46	21.90	1.107	0.168	/
	Level4	State9		Right Edge	10	507000	2535	1	135	-0.09	0.042	21.33	21.90	1.140	0.048	/
	Level4	State9		Right Edge	10	504000	2520	135	67	-0.10	0.041	21.46	21.90	1.107	0.045	/
	Level4	State7		Bottom Edge	10	507000	2535	1	268	-0.11	0.129	20.24	20.90	1.164	0.150	/
	Level4	State7		Bottom Edge	10	510000	2550	135	67	0.00	0.125	20.28	20.90	1.153	0.144	/
Ant.0	Level4	State9	ENDC	Front Side	10	510000	2550	1	135	-0.09	0.065	18.07	19.20	1.297	0.084	/
	Level4	State9		Front Side	10	507000	2535	135	134	0.15	0.068	18.06	19.20	1.300	0.088	/
	Level4	State8		Back Side	10	510000	2550	1	135	-0.04	0.117	17.63	18.70	1.279	0.150	/
	Level4	State8		Back Side	10	504000	2520	135	0	-0.17	0.112	17.62	18.70	1.282	0.144	/
	Level4	State9		Left Edge	10	510000	2550	1	135	-0.16	0.076	18.07	19.20	1.297	0.099	/
	Level4	State9		Left Edge	10	507000	2535	135	134	-0.14	0.074	18.06	19.20	1.300	0.096	/
	Level4	State9		Right Edge	10	510000	2550	1	135	0.06	0.021	18.07	19.20	1.297	0.027	/
	Level4	State9		Right Edge	10	507000	2535	135	134	-0.13	0.020	18.06	19.20	1.300	0.026	/
	Level4	State7		Bottom Edge	10	510000	2550	1	135	-0.10	0.070	17.63	18.70	1.279	0.090	/
	Level4	State7		Bottom Edge	10	504000	2520	135	0	-0.02	0.068	17.62	18.70	1.282	0.087	/
Ant.1	Level4	State9	SA	Front Side	10	507000	2535	1	268	-0.06	0.156	18.52	19.40	1.225	0.191	/
	Level4	State9		Front Side	10	510000	2550	135	67	0.07	0.160	18.93	19.40	1.114	0.178	/
	Level4	State8		Back Side	10	507000	2535	1	268	-0.06	0.213	18.52	19.40	1.225	0.261	/
	Level4	State8		Back Side	10	510000	2550	135	67	-0.17	0.215	18.93	19.40	1.114	0.240	/
	Level4	State8		Right Edge	10	507000	2535	1	268	-0.19	0.065	18.52	19.40	1.225	0.080	/
	Level4	State8		Right Edge	10	510000	2550	135	67	0.09	0.064	18.93	19.40	1.114	0.071	/
	Level4	State6		Top Edge	10	507000	2535	1	268	-0.09	0.184	18.52	19.40	1.225	0.225	/
	Level4	State6		Top Edge	10	510000	2550	135	67	-0.18	0.192	18.93	19.40	1.114	0.214	/
Ant.4	Level4	/	ENDC	Front Side	10	510000	2550	1	135	0.08	0.083	19.52	20.20	1.169	0.097	/
	Level4	/		Front Side	10	510000	2550	135	134	0.11	0.081	19.61	20.20	1.146	0.093	/
	Level4	/		Back Side	10	510000	2550	1	135	0.12	0.292	19.52	20.20	1.169	**0.341**	54#
	Level4	/		Back Side	10	510000	2550	135	134	-0.09	0.289	19.61	20.20	1.146	0.331	/
	Level4	/		Right Edge	10	510000	2550	1	135	-0.09	0.141	19.52	20.20	1.169	0.165	/
	Level4	/		Right Edge	10	510000	2550	135	134	-0.02	0.135	19.61	20.20	1.146	0.155	/
	Level4	/		Top Edge	10	510000	2550	1	135	0.14	0.047	19.52	20.20	1.169	0.055	/
	Level4	/		Top Edge	10	510000	2550	135	134	-0.16	0.043	19.61	20.20	1.146	0.049	/
P-sensor																
Ant.0	Full Power	/	SA	Back Side	11	507000	2535	1	135	0.03	0.414	21.63	23.20	1.435	0.594	/
	Full Power	/		Back Side	11	504000	2520	135	67	-0.18	0.380	21.76	23.20	1.393	0.529	/
	Full Power	/		Bottom Edge	12	507000	2535	1	135	-0.10	0.180	21.63	23.20	1.435	0.258	/

	Full Power	/		Bottom Edge	12	504000	2520	135	67	0.07	0.167	21.76	23.20	1.393	0.233	/
Ant.1	Full Power	/	SA	Back Side	15	507000	2535	1	135	0.03	0.159	22.61	23.40	1.199	0.191	/
	Full Power	/		Back Side	15	510000	2550	135	67	-0.18	0.186	22.93	23.40	1.114	0.207	/
	Full Power	/		Right Edge	11	507000	2535	1	135	-0.10	0.231	22.61	23.40	1.199	0.277	/
	Full Power	/		Right Edge	11	510000	2550	135	67	-0.04	0.268	22.93	23.40	1.114	0.299	/
	Full Power	/		Top Edge	16	507000	2535	1	135	-0.10	0.052	22.61	23.40	1.199	0.062	/
	Full Power	/		Top Edge	16	510000	2550	135	67	0.07	0.045	22.93	23.40	1.114	0.050	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Powrer Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Number	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-sensor																
Ant.0	Full Power	/	SA	Front Side	8	507000	2535	1	135	0.05	0.108	21.63	23.20	1.435	0.155	/
	Full Power	/		Front Side	8	504000	2520	135	67	-0.04	0.105	21.76	23.20	1.393	0.146	/
	Full Power	/		Right Edge	8	507000	2535	1	135	0.03	0.000	21.63	23.20	1.435	0.000	/
	Full Power	/		Right Edge	8	504000	2520	135	67	-0.18	0.000	21.76	23.20	1.393	0.000	/
Ant.1	Full Power	/	SA	Front Side	8	507000	2535	1	135	0.05	0.271	22.61	23.40	1.199	0.325	/
	Full Power	/		Front Side	8	510000	2550	135	67	-0.04	0.263	22.93	23.40	1.114	0.293	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.22 5G n38 (40MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Number	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.0	Level1&2	State 5&10	SA	Left Cheek	0	520000	2600	1	53	0.12	0.041	22.80	23.70	1.230	0.050	/
	Level1&2	State 5&10		Left Cheek	0	520000	2600	50	28	-0.14	0.039	22.45	23.70	1.334	0.052	/
	Level1&2	State 5&10		Left Tilt	0	520000	2600	1	53	0.02	0.009	22.80	23.70	1.230	0.011	/
	Level1&2	State 5&10		Left Tilt	0	520000	2600	50	28	-0.05	0.008	22.45	23.70	1.334	0.011	/
	Level1&2	State 5&10		Right Cheek	0	520000	2600	1	53	0.01	0.086	22.80	23.70	1.230	0.106	/
	Level1&2	State 5&10		Right Cheek	0	520000	2600	50	28	-0.13	0.083	22.45	23.70	1.334	0.111	/
	Level1&2	State 5&10		Right Tilt	0	520000	2600	1	53	0.05	0.044	22.80	23.70	1.230	0.054	/
	Level1&2	State 5&10		Right Tilt	0	520000	2600	50	28	-0.15	0.042	22.45	23.70	1.334	0.056	/
Ant.1	Level1	State 5	SA	Left Cheek	0	520000	2600	1	53	0.01	0.171	17.37	18.20	1.211	0.207	/
	Level1	State 5		Left Cheek	0	518000	2590	50	0	-0.07	0.165	17.46	18.20	1.186	0.196	/
	Level1	State 5		Left Tilt	0	520000	2600	1	53	-0.14	0.192	17.37	18.20	1.211	0.232	/
	Level1	State 5		Left Tilt	0	518000	2590	50	0	0.13	0.186	17.46	18.20	1.186	0.221	/
	Level1	State 5		Right Cheek	0	520000	2600	1	53	0.04	0.406	17.37	18.20	1.211	**0.492**	55#
	Level1	State 5		Right Cheek	0	518000	2590	50	0	-0.01	0.392	17.46	18.20	1.186	0.465	/
	Level1	State 5		Right Tilt	0	520000	2600	1	53	-0.03	0.311	17.37	18.20	1.211	0.376	/
	Level1	State 5		Right Tilt	0	518000	2590	50	0	0.17	0.308	17.46	18.20	1.186	0.365	/
Ant.1	Level2	State 10	SA	Left Cheek	0	519000	2595	1	53	-0.11	0.135	16.41	17.20	1.199	0.162	/
	Level2	State 10		Left Cheek	0	520000	2600	50	0	-0.17	0.133	16.46	17.20	1.186	0.158	/
	Level2	State 10		Left Tilt	0	519000	2595	1	53	-0.06	0.151	16.41	17.20	1.199	0.181	/
	Level2	State 10		Left Tilt	0	520000	2600	50	0	0.17	0.148	16.46	17.20	1.186	0.175	/
	Level2	State 10		Right Cheek	0	519000	2595	1	53	-0.19	0.324	16.41	17.20	1.199	0.389	/
	Level2	State 10		Right Cheek	0	520000	2600	50	0	-0.18	0.318	16.46	17.20	1.186	0.377	/
	Level2	State 10		Right Tilt	0	519000	2595	1	53	0.06	0.245	16.41	17.20	1.199	0.294	/
	Level2	State 10		Right Tilt	0	520000	2600	50	0	0.05	0.245	16.46	17.20	1.186	0.291	/
Body-worn																
Ant.0	Level3&4	State4&9	SA	Front Side	15	520000	2600	1	53	0.11	0.123	22.80	23.70	1.230	0.151	/
	Level3&4	State4&9		Front Side	15	520000	2600	50	28	0.04	0.115	22.45	23.70	1.334	0.153	/
	Level3&4	State4&9		Back Side	15	520000	2600	1	53	0.09	0.271	22.80	23.70	1.230	**0.333**	56#
	Level3&4	State4&9		Back Side	15	520000	2600	50	28	-0.03	0.249	22.45	23.70	1.334	0.332	/
Ant.1	Level3	State4	SA	Front Side	15	518000	2590	1	53	-0.19	0.138	21.32	21.70	1.091	0.151	/
	Level3	State4		Front Side	15	518000	2590	50	0	0.04	0.133	21.55	21.70	1.035	0.138	/
	Level3	State3		Back Side	15	518000	2590	1	53	0.16	0.225	23.44	24.20	1.191	0.268	/
	Level3	State3		Back Side	15	510000	2550	50	28	0.05	0.213	23.42	24.20	1.197	0.255	/
Ant.1	Level4	State 9	SA	Front Side	15	519000	2595	1	53	0.13	0.084	19.54	20.20	1.164	0.098	/
	Level4	State 9		Front Side	15	518000	2590	50	0	-0.06	0.081	19.66	20.20	1.132	0.092	/
	Level4	State8		Back Side	15	519000	2595	1	53	-0.09	0.136	22.46	22.70	1.057	0.144	/

	Level4	State8		Back Side	15	518000	2590	50	28	0.10	0.134	22.58	22.70	1.028	0.138	/
Hotspot																
Ant.0	Level4	State 9	SA	Front Side	10	520000	2600	1	53	0.00	0.276	22.80	23.70	1.230	0.340	/
	Level4	State 9		Front Side	10	520000	2600	50	28	0.00	0.263	22.45	23.70	1.334	0.351	/
	Level4	State8		Back Side	10	520000	2600	1	53	0.01	0.496	22.80	23.70	1.230	**0.610**	57#
	Level4	State8		Back Side	10	520000	2600	50	28	0.12	0.456	22.45	23.70	1.334	0.608	/
	Level4	State 9		Left Edge	10	520000	2600	1	53	-0.16	0.274	22.80	23.70	1.230	0.337	/
	Level4	State 9		Left Edge	10	520000	2600	50	28	-0.04	0.259	22.45	23.70	1.334	0.345	/
	Level4	State 9		Right Edge	10	520000	2600	1	53	0.09	0.023	22.80	23.70	1.230	0.028	/
	Level4	State 9		Right Edge	10	520000	2600	50	28	0.19	0.020	22.45	23.70	1.334	0.027	/
	Level4	State7		Bottom Edge	10	520000	2600	1	53	0.14	0.071	22.80	23.70	1.230	0.087	/
	Level4	State7		Bottom Edge	10	520000	2600	50	28	0.11	0.068	22.45	23.70	1.334	0.091	/
Ant.1	Level4	State 9	SA	Front Side	10	519000	2595	1	53	-0.05	0.131	19.54	20.20	1.164	0.153	/
	Level4	State 9		Front Side	10	518000	2590	50	0	-0.04	0.129	19.66	20.20	1.132	0.146	/
	Level4	State8		Back Side	10	519000	2595	1	53	0.08	0.405	22.46	22.70	1.057	0.428	/
	Level4	State8		Back Side	10	518000	2590	50	28	0.08	0.407	22.58	22.70	1.028	0.418	/
	Level4	State8		Right Edge	10	519000	2595	1	53	0.00	0.221	22.46	22.70	1.057	0.234	/
	Level4	State8		Right Edge	10	518000	2590	50	28	-0.13	0.225	22.58	22.70	1.028	0.231	/
	Level4	State6		Top Edge	10	519000	2595	1	53	0.08	0.258	22.46	22.70	1.057	0.273	/
	Level4	State6		Top Edge	10	518000	2590	50	28	0.03	0.261	22.58	22.70	1.028	0.268	/
P-sensor																
Ant.1	Full Power	/	SA	Right Edge	11	518000	2590	1	53	-0.02	0.489	23.44	24.20	1.191	0.583	/
	Full Power	/		Right Edge	11	510000	2550	50	28	0.18	0.435	23.42	24.20	1.197	0.521	/
	Full Power	/		Top Edge	16	518000	2590	1	53	-0.02	0.048	23.44	24.20	1.191	0.057	/
	Full Power	/		Top Edge	16	510000	2550	50	28	-0.14	0.046	23.42	24.20	1.197	0.055	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Powrer Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Number	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-sensor																
Ant.1	Full Power	/	SA	Front Side	8	518000	2590	1	53	-0.16	0.268	23.44	24.20	1.191	0.319	/
	Full Power	/		Front Side	8	510000	2550	50	28	0.00	0.256	23.42	24.20	1.197	0.306	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.23 5G n41 (100MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Number	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.0	Level1&2	State 5&10	SA	Left Cheek	0	528000	2640	1	1	0.13	0.055	22.02	23.70	1.472	0.081	/
	Level1&2	State 5&10		Left Cheek	0	509202	2546.01	135	69	-0.08	0.058	22.58	23.70	1.294	0.075	/
	Level1&2	State 5&10		Left Tilt	0	528000	2640	1	1	0.00	0.038	22.02	23.70	1.472	0.056	/
	Level1&2	State 5&10		Left Tilt	0	509202	2546.01	135	69	-0.07	0.042	22.58	23.70	1.294	0.054	/
	Level1&2	State 5&10		Right Cheek	0	528000	2640	1	1	0.12	0.101	22.02	23.70	1.472	0.149	/
	Level1&2	State 5&10		Right Cheek	0	509202	2546.01	135	69	0.12	0.108	22.58	23.70	1.294	0.140	/
	Level1&2	State 5&10		Right Tilt	0	528000	2640	1	1	-0.01	0.037	22.02	23.70	1.472	0.054	/
	Level1&2	State 5&10		Right Tilt	0	509202	2546.01	135	69	-0.07	0.043	22.58	23.70	1.294	0.056	/
Ant.0	Level1&2	State 5&10	ENDC	Left Cheek	0	528000	2640	1	1	0.13	0.055	22.02	23.20	1.312	0.072	/
	Level1&2	State 5&10		Left Cheek	0	509202	2546.01	135	69	-0.08	0.058	22.58	23.20	1.153	0.067	/
	Level1&2	State 5&10		Left Tilt	0	528000	2640	1	1	0.00	0.038	22.02	23.20	1.312	0.050	/
	Level1&2	State 5&10		Left Tilt	0	509202	2546.01	135	69	-0.07	0.042	22.58	23.20	1.153	0.048	/
	Level1&2	State 5&10		Right Cheek	0	528000	2640	1	1	0.12	0.101	22.02	23.20	1.312	0.133	/
	Level1&2	State 5&10		Right Cheek	0	509202	2546.01	135	69	0.12	0.108	22.58	23.20	1.153	0.125	/
	Level1&2	State 5&10		Right Tilt	0	528000	2640	1	1	-0.01	0.037	22.02	23.20	1.312	0.049	/
	Level1&2	State 5&10		Right Tilt	0	509202	2546.01	135	69	-0.07	0.043	22.58	23.20	1.153	0.050	/
Ant.1	Level1	State 5	SA	Left Cheek	0	518598	2592.99	1	137	-0.13	0.211	18.52	19.20	1.169	0.247	/
	Level1	State 5		Left Cheek	0	518598	2592.99	135	69	0.03	0.196	18.68	19.20	1.127	0.221	/
	Level1	State 5		Left Tilt	0	518598	2592.99	1	137	0.03	0.234	18.52	19.20	1.169	0.274	/
	Level1	State 5		Left Tilt	0	518598	2592.99	135	69	-0.19	0.236	18.68	19.20	1.127	0.266	/
	Level1	State 5		Right Cheek	0	518598	2592.99	1	137	0.11	0.517	18.52	19.20	1.169	**0.605**	58#
	Level1	State 5		Right Cheek	0	518598	2592.99	135	69	0.10	0.502	18.68	19.20	1.127	0.566	/
	Level1	State 5		Right Tilt	0	518598	2592.99	1	137	-0.11	0.402	18.52	19.20	1.169	0.470	/
	Level1	State 5		Right Tilt	0	518598	2592.99	135	69	-0.01	0.395	18.68	19.20	1.127	0.445	/
Ant.1	Level2	State 10	SA	Left Cheek	0	518598	2592.99	1	137	0.10	0.164	17.63	18.20	1.140	0.187	/
	Level2	State 10		Left Cheek	0	518598	2592.99	135	69	0.03	0.159	17.65	18.20	1.135	0.180	/
	Level2	State 10		Left Tilt	0	518598	2592.99	1	137	-0.13	0.186	17.63	18.20	1.140	0.212	/
	Level2	State 10		Left Tilt	0	518598	2592.99	135	69	-0.13	0.185	17.65	18.20	1.135	0.210	/
	Level2	State 10		Right Cheek	0	518598	2592.99	1	137	-0.19	0.402	17.63	18.20	1.140	0.458	/
	Level2	State 10		Right Cheek	0	518598	2592.99	135	69	0.04	0.396	17.65	18.20	1.135	0.449	/
	Level2	State 10		Right Tilt	0	518598	2592.99	1	137	0.01	0.316	17.63	18.20	1.140	0.360	/
	Level2	State 10		Right Tilt	0	518598	2592.99	135	69	-0.01	0.312	17.65	18.20	1.135	0.354	/
Ant.4	Level1	State 5	ENDC	Left Cheek	0	528000	2640	1	137	0.10	0.171	20.14	20.20	1.014	0.173	/
	Level1	State 5		Left Cheek	0	509202	2546.01	135	138	0.08	0.165	19.97	20.20	1.054	0.174	/
	Level1	State 5		Left Tilt	0	528000	2640	1	137	0.01	0.073	20.14	20.20	1.014	0.074	/
	Level1	State 5		Left Tilt	0	509202	2546.01	135	138	0.18	0.068	19.97	20.20	1.054	0.072	/

	Level1	State 5		Right Cheek	0	528000	2640	1	137	0.13	0.261	20.14	20.20	1.014	0.265	/
	Level1	State 5		Right Cheek	0	509202	2546.01	135	138	0.13	0.250	19.97	20.20	1.054	0.264	/
	Level1	State 5		Right Tilt	0	528000	2640	1	137	-0.09	0.112	20.14	20.20	1.014	0.114	/
	Level1	State 5		Right Tilt	0	509202	2546.01	135	138	-0.03	0.104	19.97	20.20	1.054	0.110	/
Ant.4	Level2	State 10	ENDC	Left Cheek	0	528000	2640	1	137	0.09	0.132	18.62	19.20	1.143	0.151	/
	Level2	State 10		Left Cheek	0	528000	2640	135	138	-0.16	0.135	18.68	19.20	1.127	0.152	/
	Level2	State 10		Left Tilt	0	528000	2640	1	137	0.08	0.058	18.62	19.20	1.143	0.066	/
	Level2	State 10		Left Tilt	0	528000	2640	135	138	-0.03	0.059	18.68	19.20	1.127	0.067	/
	Level2	State 10		Right Cheek	0	528000	2640	1	137	-0.01	0.209	18.62	19.20	1.143	0.239	/
	Level2	State 10		Right Cheek	0	528000	2640	135	138	0.00	0.210	18.68	19.20	1.127	0.237	/
	Level2	State 10		Right Tilt	0	528000	2640	1	137	0.08	0.086	18.62	19.20	1.143	0.098	/
	Level2	State 10		Right Tilt	0	528000	2640	135	138	-0.02	0.082	18.68	19.20	1.127	0.092	/
Body-worn																
Ant.0	Level3&4	State 4&9	SA	Front Side	15	528000	2640	1	1	0.15	0.083	22.02	23.70	1.472	0.122	/
	Level3&4	State 4&9		Front Side	15	509202	2546.01	135	69	0.05	0.086	22.58	23.70	1.294	0.111	/
	Level3&4	State 4&9		Back Side	15	528000	2640	1	1	0.15	0.189	22.02	23.70	1.472	**0.278**	59#
	Level3&4	State 4&9		Back Side	15	509202	2546.01	135	69	0.01	0.197	22.58	23.70	1.294	0.255	/
Ant.0	Level3	State 4	ENDC	Front Side	15	528000	2640	1	1	-0.02	0.051	20.56	21.70	1.300	0.066	/
	Level3	State 4		Front Side	15	509202	2546.01	135	69	0.12	0.058	21.15	21.70	1.135	0.066	/
	Level3	State 4		Back Side	15	528000	2640	1	1	0.19	0.116	20.56	21.70	1.300	0.151	/
	Level3	State 4		Back Side	15	509202	2546.01	135	69	0.01	0.127	21.15	21.70	1.135	0.144	/
Ant.0	Level4	State 9	ENDC	Front Side	15	518598	2592.99	1	271	0.06	0.046	20.11	21.20	1.285	0.059	/
	Level4	State 9		Front Side	15	509202	2546.01	135	69	0.07	0.053	20.58	21.20	1.153	0.061	/
	Level4	State 9		Back Side	15	518598	2592.99	1	271	0.06	0.105	20.11	21.20	1.285	0.135	/
	Level4	State 9		Back Side	15	509202	2546.01	135	69	-0.09	0.114	20.58	21.20	1.153	0.131	/
Ant.1	Level3	State4	SA	Front Side	15	518598	2592.99	1	137	-0.13	0.089	21.65	21.70	1.012	0.090	/
	Level3	State4		Front Side	15	518598	2592.99	135	69	-0.09	0.088	21.66	21.70	1.009	0.089	/
	Level3	State3		Back Side	15	509202	2546.01	1	137	-0.04	0.228	23.84	24.20	1.086	0.248	/
	Level3	State3		Back Side	15	509202	2546.01	135	69	0.15	0.223	23.68	24.20	1.127	0.251	/
Ant.1	Level4	State9	SA	Front Side	15	518598	2592.99	1	137	0.18	0.064	19.15	19.70	1.135	0.073	/
	Level4	State9		Front Side	15	518598	2592.99	135	69	0.02	0.062	19.21	19.70	1.119	0.069	/
	Level4	State8		Back Side	15	509202	2546.01	1	271	-0.09	0.177	22.25	22.70	1.109	0.196	/
	Level4	State8		Back Side	15	509202	2546.01	135	69	-0.11	0.173	22.29	22.70	1.099	0.190	/
Ant.4	Level3	/	ENDC	Front Side	15	528000	2640	1	137	0.12	0.037	17.07	17.70	1.156	0.043	/
	Level3	/		Front Side	15	518598	2592.99	135	138	-0.07	0.039	17.15	17.70	1.135	0.044	/
	Level3	/		Back Side	15	528000	2640	1	137	-0.08	0.130	17.07	17.70	1.156	0.150	/
	Level3	/		Back Side	15	518598	2592.99	135	138	-0.02	0.133	17.15	17.70	1.135	0.151	/
Ant.4	Level4	/	ENDC	Front Side	15	518598	2592.99	1	137	-0.10	0.025	16.06	16.20	1.033	0.026	/
	Level4	/		Front Side	15	518598	2592.99	135	138	-0.07	0.027	16.18	16.20	1.005	0.027	/
	Level4	/		Back Side	15	518598	2592.99	1	137	0.04	0.090	16.06	16.20	1.033	0.093	/
	Level4	/		Back Side	15	518598	2592.99	135	138	-0.05	0.091	16.18	16.20	1.005	0.091	/
Hotspot																
Ant.0	Level4	State9	SA	Front Side	10	528000	2640	1	1	-0.19	0.263	22.02	23.70	1.472	0.387	/

	Level4	State9		Front Side	10	509202	2546.01	135	69	0.06	0.268	22.58	23.70	1.294	0.347	/
	Level4	State8		Back Side	10	528000	2640	1	1	0.15	0.505	22.02	23.70	1.472	**0.744**	60#
	Level4	State8		Back Side	10	509202	2546.01	135	69	0.01	0.509	22.58	23.70	1.294	0.659	/
	Level4	State9		Left Edge	10	528000	2640	1	1	-0.11	0.230	22.02	23.70	1.472	0.339	/
	Level4	State9		Left Edge	10	509202	2546.01	135	69	0.02	0.241	22.58	23.70	1.294	0.312	/
	Level4	State9		Right Edge	10	528000	2640	1	1	-0.03	0.106	22.02	23.70	1.472	0.156	/
	Level4	State9		Right Edge	10	509202	2546.01	135	69	-0.04	0.115	22.58	23.70	1.294	0.149	/
	Level4	State7		Bottom Edge	10	528000	2640	1	1	0.00	0.070	22.02	23.70	1.472	0.103	/
	Level4	State7		Bottom Edge	10	509202	2546.01	135	69	0.07	0.068	22.58	23.70	1.294	0.088	/
Ant.0	Level4	State9	ENDC	Front Side	10	518598	2592.99	1	271	0.12	0.102	20.11	21.20	1.285	0.131	/
	Level4	State9		Front Side	10	509202	2546.01	135	69	0.14	0.107	20.58	21.20	1.153	0.123	/
	Level4	State8		Back Side	10	528000	2640	1	1	0.01	0.206	20.56	21.70	1.300	0.268	/
	Level4	State8		Back Side	10	509202	2546.01	135	69	0.19	0.210	21.15	21.70	1.135	0.238	/
	Level4	State9		Left Edge	10	518598	2592.99	1	271	0.13	0.143	20.11	21.20	1.285	0.184	/
	Level4	State9		Left Edge	10	509202	2546.01	135	69	0.17	0.150	20.58	21.20	1.153	0.173	/
	Level4	State9		Right Edge	10	518598	2592.99	1	271	0.16	0.072	20.11	21.20	1.285	0.093	/
	Level4	State9		Right Edge	10	509202	2546.01	135	69	-0.17	0.069	20.58	21.20	1.153	0.080	/
	Level4	State7		Bottom Edge	10	528000	2640	1	1	0.00	0.048	20.56	21.70	1.300	0.062	/
	Level4	State7		Bottom Edge	10	509202	2546.01	135	69	-0.07	0.051	21.15	21.70	1.135	0.058	/
Ant.1	Level4	State9	SA	Front Side	10	518598	2592.99	1	137	-0.06	0.149	19.15	19.70	1.135	0.169	/
	Level4	State9		Front Side	10	518598	2592.99	135	69	0.16	0.145	19.21	19.70	1.119	0.162	/
	Level4	State8		Back Side	10	509202	2546.01	1	271	-0.04	0.369	22.25	22.70	1.109	0.409	/
	Level4	State8		Back Side	10	509202	2546.01	135	69	-0.04	0.366	22.29	22.70	1.099	0.402	/
	Level4	State8		Right Edge	10	509202	2546.01	1	271	-0.12	0.307	22.25	22.70	1.109	0.341	/
	Level4	State8		Right Edge	10	509202	2546.01	135	69	-0.02	0.299	22.29	22.70	1.099	0.329	/
	Level4	State6		Top Edge	10	509202	2546.01	1	271	-0.14	0.345	22.25	22.70	1.109	0.383	/
	Level4	State6		Top Edge	10	509202	2546.01	135	69	-0.16	0.341	22.29	22.70	1.099	0.375	/
Ant.4	Level4	/	ENDC	Front Side	10	518598	2592.99	1	137	0.19	0.052	16.06	16.20	1.033	0.054	/
	Level4	/		Front Side	10	518598	2592.99	135	138	-0.17	0.055	16.18	16.20	1.005	0.055	/
	Level4	/		Back Side	10	518598	2592.99	1	137	0.07	0.189	16.06	16.20	1.033	0.195	/
	Level4	/		Back Side	10	518598	2592.99	135	138	0.11	0.194	16.18	16.20	1.005	0.195	/
	Level4	/		Right Edge	10	518598	2592.99	1	137	-0.16	0.120	16.06	16.20	1.033	0.124	/
	Level4	/		Right Edge	10	518598	2592.99	135	138	-0.04	0.123	16.18	16.20	1.005	0.124	/
	Level4	/		Top Edge	10	518598	2592.99	1	137	-0.18	0.029	16.06	16.20	1.033	0.030	/
	Level4	/		Top Edge	10	518598	2592.99	135	138	0.18	0.031	16.18	16.20	1.005	0.031	/
P-sensor																
Ant.1	Full Power	/	SA	Right Edge	11	509202	2546.01	1	137	-0.09	0.258	23.84	24.20	1.086	0.280	/
	Full Power	/		Right Edge	11	509202	2546.01	135	69	-0.14	0.279	23.68	24.20	1.127	0.314	/
	Full Power	/		Top Edge	16	509202	2546.01	1	137	0.14	0.055	23.84	24.20	1.086	0.060	/
	Full Power	/		Top Edge	16	509202	2546.01	135	69	0.09	0.058	23.68	24.20	1.127	0.065	/

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

Antenna	Powrer Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Number	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-sensor																
Ant.1	Full Power	/	SA	Front Side	8	509202	2546.01	1	137	0.17	0.279	23.84	24.20	1.086	0.303	/
	Full Power	/		Front Side	8	509202	2546.01	135	69	-0.19	0.264	23.68	24.20	1.127	0.298	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.24 5G n66 (40MHz Bandwidth)

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Number	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.0	Level1&2	State 5&10	SA	Left Cheek	0	349000	1745	1	108	0.15	0.080	22.23	23.00	1.194	0.096	/
	Level1&2	State 5&10		Left Cheek	0	349000	1745	108	54	-0.08	0.076	21.99	23.00	1.262	0.096	/
	Level1&2	State 5&10		Left Tilt	0	349000	1745	1	108	-0.03	0.015	22.23	23.00	1.194	0.018	/
	Level1&2	State 5&10		Left Tilt	0	349000	1745	108	54	0.19	0.013	21.99	23.00	1.262	0.016	/
	Level1&2	State 5&10		Right Cheek	0	349000	1745	1	108	-0.15	0.038	22.23	23.00	1.194	0.045	/
	Level1&2	State 5&10		Right Cheek	0	349000	1745	108	54	0.06	0.035	21.99	23.00	1.262	0.044	/
	Level1&2	State 5&10		Right Tilt	0	349000	1745	1	108	-0.03	0.010	22.23	23.00	1.194	0.012	/
	Level1&2	State 5&10		Right Tilt	0	349000	1745	108	54	-0.14	0.009	21.99	23.00	1.262	0.011	/
Ant.1	Level1	State 5	SA	Left Cheek	0	349000	1745	1	108	0.00	0.531	19.13	20.00	1.222	0.649	/
	Level1	State 5		Left Cheek	0	349000	1745	108	54	0.03	0.513	18.97	20.00	1.268	0.650	/
	Level1	State 5		Left Tilt	0	349000	1745	1	108	-0.06	0.566	19.13	20.00	1.222	0.692	/
	Level1	State 5		Left Tilt	0	349000	1745	108	54	-0.17	0.541	18.97	20.00	1.268	0.686	/
	Level1	State 5		Right Cheek	0	349000	1745	1	108	-0.06	0.654	19.13	20.00	1.222	**0.799**	61#
	Level1	State 5		Right Cheek	0	349000	1745	108	54	-0.06	0.618	18.97	20.00	1.268	0.783	/
	Level1	State 5		Right Tilt	0	349000	1745	1	108	-0.02	0.323	19.13	20.00	1.222	0.395	/
	Level1	State 5		Right Tilt	0	349000	1745	108	54	0.14	0.302	18.97	20.00	1.268	0.383	/
Ant.1	Level2	State 10	SA	Left Cheek	0	349000	1745	1	108	0.08	0.470	18.55	19.50	1.245	0.585	/
	Level2	State 10		Left Cheek	0	349000	1745	108	54	0.17	0.456	18.30	19.50	1.318	0.601	/
	Level2	State 10		Left Tilt	0	349000	1745	1	108	-0.11	0.503	18.55	19.50	1.245	0.626	/
	Level2	State 10		Left Tilt	0	349000	1745	108	54	-0.15	0.481	18.30	19.50	1.318	0.634	/
	Level2	State 10		Right Cheek	0	349000	1745	1	108	0.07	0.580	18.55	19.50	1.245	0.722	/
	Level2	State 10		Right Cheek	0	349000	1745	108	54	0.10	0.545	18.30	19.50	1.318	0.718	/
	Level2	State 10		Right Tilt	0	349000	1745	1	108	-0.11	0.285	18.55	19.50	1.245	0.355	/
	Level2	State 10		Right Tilt	0	349000	1745	108	54	0.17	0.268	18.30	19.50	1.318	0.353	/
Body-worn																
Ant.0	Level3	State 4	SA	Front Side	15	349000	1745	1	108	0.09	0.077	21.22	22.00	1.197	0.092	/
	Level3	State 4		Front Side	15	349000	1745	108	54	-0.16	0.075	21.04	22.00	1.247	0.094	/
	Level3	State 4		Back Side	15	349000	1745	1	108	-0.15	0.095	21.22	22.00	1.197	0.114	/
	Level3	State 4		Back Side	15	349000	1745	108	54	0.09	0.089	21.04	22.00	1.247	0.111	/
Ant.0	Level4	State 9	SA	Front Side	15	349000	1745	1	108	0.01	0.062	20.14	21.00	1.219	0.076	/
	Level4	State 9		Front Side	15	349000	1745	108	54	-0.08	0.059	19.98	21.00	1.265	0.075	/
	Level4	State 9		Back Side	15	349000	1745	1	108	0.17	0.073	20.14	21.00	1.219	0.089	/
	Level4	State 9		Back Side	15	349000	1745	108	54	0.12	0.070	19.98	21.00	1.265	0.089	/
Ant.1	Level3&4	State 4&9	SA	Front Side	15	349000	1745	1	108	-0.03	0.131	22.56	23.50	1.242	0.163	/
	Level3&4	State 4&9		Front Side	15	349000	1745	108	54	-0.01	0.128	22.38	23.50	1.294	0.166	/
	Level3	State 3		Back Side	15	349000	1745	1	108	0.02	0.142	22.56	23.50	1.242	0.176	/

	Level3	State 3		Back Side	15	349000	1745	108	54	0.18	0.174	22.38	23.50	1.294	**0.225**	62#
	Level4	State 8		Back Side	15	346000	1730	1	108	0.09	0.100	21.03	22.00	1.250	0.125	/
	Level4	State 8		Back Side	15	349000	1745	108	54	-0.12	0.095	20.89	22.00	1.291	0.123	/
Hotspot																
Ant.0	Level4	State 9	SA	Front Side	10	349000	1745	1	108	0.05	0.181	20.14	21.00	1.219	0.221	/
	Level4	State 9		Front Side	10	349000	1745	108	54	0.05	0.176	19.98	21.00	1.265	0.223	/
	Level4	State 8		Back Side	10	349000	1745	1	108	0.04	0.255	20.14	21.00	1.219	0.311	/
	Level4	State 8		Back Side	10	349000	1745	108	54	-0.04	0.250	19.98	21.00	1.265	0.316	/
	Level4	State 9		Left Edge	10	349000	1745	1	108	0.00	0.058	20.14	21.00	1.219	0.071	/
	Level4	State 9		Left Edge	10	349000	1745	108	54	-0.09	0.056	19.98	21.00	1.265	0.071	/
	Level4	State 9		Right Edge	10	349000	1745	1	108	-0.16	0.015	20.14	21.00	1.219	0.018	/
	Level4	State 9		Right Edge	10	349000	1745	108	54	-0.09	0.014	19.98	21.00	1.265	0.018	/
	Level4	State 7		Bottom Edge	10	349000	1745	1	108	-0.02	0.435	20.14	21.00	1.219	**0.530**	63#
	Level4	State 7		Bottom Edge	10	349000	1745	108	54	-0.19	0.411	19.98	21.00	1.265	0.520	/
Ant.1	Level4	State9	SA	Front Side	10	349000	1745	1	108	-0.07	0.141	22.56	23.50	1.242	0.175	/
	Level4	State9		Front Side	10	349000	1745	108	54	0.01	0.136	22.38	23.50	1.294	0.176	/
	Level4	State 8		Back Side	10	346000	1730	1	108	0.13	0.136	21.03	22.00	1.250	0.170	/
	Level4	State 8		Back Side	10	349000	1745	108	54	-0.14	0.131	20.89	22.00	1.291	0.169	/
	Level4	State 8		Right Edge	10	346000	1730	1	108	-0.12	0.030	21.03	22.00	1.250	0.038	/
	Level4	State 8		Right Edge	10	349000	1745	108	54	-0.01	0.028	20.89	22.00	1.291	0.036	/
	Level4	State 6		Top Edge	10	346000	1730	1	108	0.15	0.196	21.03	22.00	1.250	0.245	/
	Level4	State 6		Top Edge	10	349000	1745	108	54	-0.14	0.185	20.89	22.00	1.291	0.239	/
P-sensor																
Ant.0	Full Power	/	SA	Back Side	11	349000	1745	1	108	0.11	0.340	22.23	23.00	1.194	0.406	/
	Full Power	/		Back Side	11	349000	1745	108	54	-0.10	0.344	21.99	23.00	1.262	0.434	/
	Full Power	/		Bottom Edge	12	349000	1745	1	108	0.15	0.460	22.23	23.00	1.194	0.549	/
	Full Power	/		Bottom Edge	12	349000	1745	108	54	-0.10	0.512	21.99	23.00	1.262	0.646	/

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

Antenna	Powrer Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Number	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
P-sensor																
Ant.0	Full Power	/	SA	Front Side	8	349000	1745	1	108	-0.17	0.205	22.23	23.00	1.194	0.245	/
	Full Power	/		Front Side	8	349000	1745	108	54	0.05	0.198	21.99	23.00	1.262	0.250	/
	Full Power	/		Right Edge	8	349000	1745	1	108	0.10	0.056	22.23	23.00	1.194	0.067	/
	Full Power	/		Right Edge	8	349000	1745	108	54	-0.13	0.053	21.99	23.00	1.262	0.067	/

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

11.25 WIFI 2.4GHz

Antenna	Power Reducteion	State	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle Setting	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.7	Level1	State5	2.4G	802.11 b	Left Cheek	0	6	2437	0.19	0.509	16.09	17.00	1.233	99.60	1.004	**0.630**	64#
Ant.7	Level1	State5	2.4G	802.11 b	Left Tilt	0	6	2437	-0.14	0.343	16.09	17.00	1.233	99.60	1.004	0.425	/
Ant.7	Level1	State5	2.4G	802.11 b	Right Cheek	0	6	2437	-0.11	0.219	16.09	17.00	1.233	99.60	1.004	0.271	/
Ant.7	Level1	State5	2.4G	802.11 b	Right Tilt	0	6	2437	0.14	0.238	16.09	17.00	1.233	99.60	1.004	0.295	/
Ant.7	Level2	State10	2.4G	802.11 b	Left Cheek	0	6	2437	0.08	0.214	11.46	13.00	1.426	99.60	1.004	0.306	/
Ant.7	Level2	State10	2.4G	802.11 b	Left Tilt	0	6	2437	-0.04	0.153	11.46	13.00	1.426	99.60	1.004	0.219	/
Ant.7	Level2	State10	2.4G	802.11 b	Right Cheek	0	6	2437	0.17	0.098	11.46	13.00	1.426	99.60	1.004	0.140	/
Ant.7	Level2	State10	2.4G	802.11 b	Right Tilt	0	6	2437	0.04	0.107	11.46	13.00	1.426	99.60	1.004	0.153	/
Body-worn																	
Ant.7	Level3	State4	2.4G	802.11 b	Front Side	15	6	2437	-0.06	0.072	18.55	20.00	1.396	99.60	1.004	0.101	/
Ant.7	Level3	State4	2.4G	802.11 b	Back Side	15	6	2437	0.08	0.101	18.55	20.00	1.396	99.60	1.004	**0.142**	65#
Ant.7	Level4	State9	2.4G	802.11 b	Front Side	15	6	2437	0.03	0.041	15.01	16.50	1.409	99.60	1.004	0.058	/
Ant.7	Level4	State9	2.4G	802.11 b	Back Side	15	6	2437	-0.06	0.057	15.01	16.50	1.409	99.60	1.004	0.081	/
Hotspot																	
Ant.7	Level3	State4	2.4G	802.11 b	Front Side	10	6	2437	0.16	0.137	18.55	20.00	1.396	99.60	1.004	0.192	/
Ant.7	Level3	State3	2.4G	802.11 b	Back Side	10	6	2437	-0.14	0.169	18.55	20.00	1.396	99.60	1.004	0.237	/
Ant.7	Level3	State4	2.4G	802.11 b	Left Edge	10	6	2437	0.17	0.098	18.55	20.00	1.396	99.60	1.004	0.137	/
Ant.7	Level3	State4	2.4G	802.11 b	Top Edge	10	6	2437	0.05	0.171	18.55	20.00	1.396	99.60	1.004	**0.240**	66#
Ant.7	Level4	State9	2.4G	802.11 b	Front Side	10	6	2437	0.14	0.072	15.01	16.50	1.409	99.60	1.004	0.102	/
Ant.7	Level4	State8	2.4G	802.11 b	Back Side	10	6	2437	-0.16	0.095	15.01	16.50	1.409	99.60	1.004	0.134	/
Ant.7	Level4	State9	2.4G	802.11 b	Left Edge	10	6	2437	0.16	0.051	15.01	16.50	1.409	99.60	1.004	0.072	/
Ant.7	Level4	State9	2.4G	802.11 b	Top Edge	10	6	2437	0.05	0.096	15.01	16.50	1.409	99.60	1.004	0.136	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.26 WIFI 5GHz

Antenna	Power Reducteion	State	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle Setting	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.7	Level1	State5	5.3G	n(HT40)	Left Cheek	0	54	5270	0.02	0.768	14.62	15.50	1.225	95.01	1.053	0.990	/
Ant.7	Level1	State5	5.3G	n(HT40)	Left Tilt	0	54	5270	0.01	0.922	14.62	15.50	1.225	95.01	1.053	**1.188**	67#
Ant.7	Level1	State5	5.3G	n(HT40)	Right Cheek	0	54	5270	0.08	0.189	14.62	15.50	1.225	95.01	1.053	0.244	/
Ant.7	Level1	State5	5.3G	n(HT40)	Right Tilt	0	54	5270	0.14	0.211	14.62	15.50	1.225	95.01	1.053	0.272	/
Ant.7	Level1	State5	5.3G	n(HT40)	Left Cheek	0	62	5310	-0.02	0.375	11.24	12.50	1.337	95.01	1.053	0.528	/
Ant.7	Level1	State5	5.3G	n(HT40)	Left Tilt	0	62	5310	-0.06	0.450	11.24	12.50	1.337	95.01	1.053	0.633	/
Ant.7	Level2	State10	5.3G	ac(VHT80)	Left Cheek	0	58	5290	-0.09	0.255	9.66	11.00	1.361	90.10	1.110	0.385	/
Ant.7	Level2	State10	5.3G	ac(VHT80)	Left Tilt	0	58	5290	0.02	0.310	9.66	11.00	1.361	90.10	1.110	0.468	/
Ant.7	Level2	State10	5.3G	ac(VHT80)	Right Cheek	0	58	5290	0.07	0.060	9.66	11.00	1.361	90.10	1.110	0.091	/
Ant.7	Level2	State10	5.3G	ac(VHT80)	Right Tilt	0	58	5290	-0.06	0.071	9.66	11.00	1.361	90.10	1.110	0.107	/
Ant.7	Level1	State5	5.6G	ac(VHT80)	Left Cheek	0	122	5610	-0.06	0.325	14.08	15.00	1.236	90.10	1.110	0.446	/
Ant.7	Level1	State5	5.6G	ac(VHT80)	Left Tilt	0	122	5610	0.01	0.401	14.08	15.00	1.236	90.10	1.110	**0.550**	68#
Ant.7	Level1	State5	5.6G	ac(VHT80)	Right Cheek	0	122	5610	-0.05	0.229	14.08	15.00	1.236	90.10	1.110	0.314	/
Ant.7	Level1	State5	5.6G	ac(VHT80)	Right Tilt	0	122	5610	-0.04	0.247	14.08	15.00	1.236	90.10	1.110	0.339	/
Ant.7	Level2	State10	5.6G	ac(VHT80)	Left Cheek	0	122	5610	-0.10	0.183	10.07	11.00	1.239	90.10	1.110	0.252	/
Ant.7	Level2	State10	5.6G	ac(VHT80)	Left Tilt	0	122	5610	0.08	0.225	10.07	11.00	1.239	90.10	1.110	0.309	/
Ant.7	Level2	State10	5.6G	ac(VHT80)	Right Cheek	0	122	5610	-0.14	0.128	10.07	11.00	1.239	90.10	1.110	0.176	/
Ant.7	Level2	State10	5.6G	ac(VHT80)	Right Tilt	0	122	5610	-0.05	0.139	10.07	11.00	1.239	90.10	1.110	0.191	/
Ant.7	Level1	State5	5.8G	ac(VHT80)	Left Cheek	0	155	5775	0.07	0.532	15.59	17.00	1.384	90.10	1.110	0.817	/
Ant.7	Level1	State5	5.8G	ac(VHT80)	Left Tilt	0	155	5775	0.08	0.759	15.59	17.00	1.384	90.10	1.110	**1.166**	69#
Ant.7	Level1	State5	5.8G	ac(VHT80)	Right Cheek	0	155	5775	-0.03	0.386	15.59	17.00	1.384	90.10	1.110	0.593	/
Ant.7	Level1	State5	5.8G	ac(VHT80)	Right Tilt	0	155	5775	0.03	0.465	15.59	17.00	1.384	90.10	1.110	0.714	/
Ant.7	Level2	State10	5.8G	ac(VHT80)	Left Cheek	0	155	5775	0.14	0.212	9.34	11.00	1.466	90.10	1.110	0.345	/
Ant.7	Level2	State10	5.8G	ac(VHT80)	Left Tilt	0	155	5775	-0.09	0.302	9.34	11.00	1.466	90.10	1.110	0.491	/
Ant.7	Level2	State10	5.8G	ac(VHT80)	Right Cheek	0	155	5775	-0.11	0.154	9.34	11.00	1.466	90.10	1.110	0.250	/
Ant.7	Level2	State10	5.8G	ac(VHT80)	Right Tilt	0	155	5775	0.16	0.185	9.34	11.00	1.466	90.10	1.110	0.301	/
Body-worn																	
Ant.7	Level3	State4	5.3G	n(HT40)	Front Side	15	54	5270	-0.16	0.065	15.67	16.50	1.211	95.01	1.053	0.083	/
Ant.7	Level3	State4	5.3G	n(HT40)	Back Side	15	54	5270	-0.12	0.180	15.67	16.50	1.211	95.01	1.053	**0.229**	70#
Ant.7	Level4	State9	5.3G	n(HT40)	Front Side	15	54	5270	-0.12	0.036	12.07	13.00	1.239	95.01	1.053	0.047	/
Ant.7	Level4	State9	5.3G	n(HT40)	Back Side	15	54	5270	-0.18	0.065	12.07	13.00	1.239	95.01	1.053	0.085	/
Ant.7	Level3	State4	5.6G	ac(VHT80)	Front Side	15	122	5610	-0.11	0.134	17.46	18.50	1.271	90.10	1.110	0.189	/
Ant.7	Level3	State4	5.6G	ac(VHT80)	Back Side	15	122	5610	0.01	0.324	17.46	18.50	1.271	90.10	1.110	**0.457**	71#
Ant.7	Level4	State9	5.6G	ac(VHT80)	Front Side	15	122	5610	0.04	0.052	10.45	11.50	1.274	90.10	1.110	0.073	/
Ant.7	Level4	State9	5.6G	ac(VHT80)	Back Side	15	122	5610	0.01	0.129	10.45	11.50	1.274	90.10	1.110	0.182	/
Ant.7	Level3	State4	5.8G	ac(VHT80)	Front Side	15	155	5775	-0.12	0.132	17.73	19.50	1.503	90.10	1.110	0.220	/

Ant.7	Level3	State4	5.8G	ac(VHT80)	Back Side	15	155	5775	0.00	0.336	17.73	19.50	1.503	90.10	1.110	**0.561**	72#
Ant.7	Level4	State9	5.8G	ac(VHT80)	Front Side	15	155	5775	-0.14	0.043	10.53	12.00	1.403	90.10	1.110	0.067	/
Ant.7	Level4	State9	5.8G	ac(VHT80)	Back Side	15	155	5775	0.03	0.100	10.53	12.00	1.403	90.10	1.110	0.156	/
Hotspot																	
Ant.7	Level3	State4	5.2G	n(HT40)	Front Side	10	46	5230	-0.04	0.149	15.63	16.50	1.222	95.01	1.053	0.192	/
Ant.7	Level3	State3	5.2G	n(HT40)	Back Side	10	46	5230	0.05	0.375	15.63	16.50	1.222	95.01	1.053	0.482	/
Ant.7	Level3	State4	5.2G	n(HT40)	Left Edge	10	46	5230	0.13	0.136	15.63	16.50	1.222	95.01	1.053	0.175	/
Ant.7	Level3	State4	5.2G	n(HT40)	Top Edge	10	46	5230	0.02	0.380	15.63	16.50	1.222	95.01	1.053	**0.489**	73#
Ant.7	Level4	State9	5.2G	n(HT40)	Front Side	10	46	5230	-0.11	0.092	12.23	13.00	1.194	95.01	1.053	0.116	/
Ant.7	Level4	State8	5.2G	n(HT40)	Back Side	10	46	5230	-0.07	0.179	12.23	13.00	1.194	95.01	1.053	0.225	/
Ant.7	Level4	State9	5.2G	n(HT40)	Left Edge	10	46	5230	-0.10	0.181	12.23	13.00	1.194	95.01	1.053	0.227	/
Ant.7	Level4	State9	5.2G	n(HT40)	Top Edge	10	46	5230	0.11	0.045	12.23	13.00	1.194	95.01	1.053	0.057	/
Ant.7	Level3	State4	5.8G	ac(VHT80)	Front Side	10	155	5775	-0.05	0.135	17.73	19.50	1.503	90.10	1.110	0.225	/
Ant.7	Level3	State3	5.8G	ac(VHT80)	Back Side	10	155	5775	0.02	0.591	17.73	19.50	1.503	90.10	1.110	**0.986**	74#
Ant.7	Level3	State4	5.8G	ac(VHT80)	Left Edge	10	155	5775	0.04	0.140	17.73	19.50	1.503	90.10	1.110	0.234	/
Ant.7	Level3	State4	5.8G	ac(VHT80)	Top Edge	10	155	5775	0.01	0.390	17.73	19.50	1.503	90.10	1.110	0.651	/
Ant.7	Level4	State9	5.8G	ac(VHT80)	Front Side	10	155	5775	0.11	0.038	10.53	12.00	1.403	90.10	1.110	0.059	/
Ant.7	Level4	State8	5.8G	ac(VHT80)	Back Side	10	155	5775	0.14	0.171	10.53	12.00	1.403	90.10	1.110	0.266	/
Ant.7	Level4	State9	5.8G	ac(VHT80)	Left Edge	10	155	5775	-0.02	0.038	10.53	12.00	1.403	90.10	1.110	0.059	/
Ant.7	Level4	State9	5.8G	ac(VHT80)	Top Edge	10	155	5775	-0.17	0.128	10.53	12.00	1.403	90.10	1.110	0.199	/

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

Antenna	Powrer Reducteion	State	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle Setting	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant.7	Level3	State3	5.3G	n(HT40)	Front Side	0	54	5270	0.03	0.410	15.67	16.50	1.211	95.01	1.053	0.522	/
Ant.7	Level3	State3	5.3G	n(HT40)	Back Side	0	54	5270	-0.09	0.505	15.67	16.50	1.211	95.01	1.053	0.643	/
Ant.7	Level3	State1	5.3G	n(HT40)	Left Edge	0	54	5270	0.08	0.372	15.67	16.50	1.211	95.01	1.053	0.474	/
Ant.7	Level3	State1	5.3G	n(HT40)	Top Edge	0	54	5270	-0.10	0.799	15.67	16.50	1.211	95.01	1.053	**1.018**	75#
Ant.7	Level4	State8	5.3G	n(HT40)	Front Side	0	54	5270	-0.16	0.196	12.07	13.00	1.239	95.01	1.053	0.256	/
Ant.7	Level4	State8	5.3G	n(HT40)	Back Side	0	54	5270	0.10	0.243	12.07	13.00	1.239	95.01	1.053	0.317	/
Ant.7	Level4	State6	5.3G	n(HT40)	Left Edge	0	54	5270	0.07	0.178	12.07	13.00	1.239	95.01	1.053	0.232	/
Ant.7	Level4	State6	5.3G	n(HT40)	Top Edge	0	54	5270	-0.09	0.380	12.07	13.00	1.239	95.01	1.053	0.495	/
Ant.7	Level3	State3	5.6G	ac(VHT80)	Front Side	0	122	5610	0.07	0.573	17.46	18.50	1.271	90.10	1.110	0.808	/
Ant.7	Level3	State3	5.6G	ac(VHT80)	Back Side	0	122	5610	0.07	1.050	17.46	18.50	1.271	90.10	1.110	1.481	/
Ant.7	Level3	State1	5.6G	ac(VHT80)	Left Edge	0	122	5610	-0.11	0.445	17.46	18.50	1.271	90.10	1.110	0.628	/
Ant.7	Level3	State1	5.6G	ac(VHT80)	Top Edge	0	122	5610	-0.16	1.110	17.46	18.50	1.271	90.10	1.110	**1.565**	76#
Ant.7	Level4	State8	5.6G	ac(VHT80)	Front Side	0	122	5610	-0.09	0.130	10.45	11.50	1.274	90.10	1.110	0.184	/
Ant.7	Level4	State8	5.6G	ac(VHT80)	Back Side	0	122	5610	-0.01	0.232	10.45	11.50	1.274	90.10	1.110	0.328	/
Ant.7	Level4	State6	5.6G	ac(VHT80)	Left Edge	0	122	5610	0.10	0.096	10.45	11.50	1.274	90.10	1.110	0.136	/
Ant.7	Level4	State6	5.6G	ac(VHT80)	Top Edge	0	122	5610	-0.09	0.251	10.45	11.50	1.274	90.10	1.110	0.355	/

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

11.27 Bluetooth

Antenna	Power Reducteion	State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle Setting	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.7	Level1&2	/	Bluetooth(DH5)	Left Cheek	0	39	2441	0.03	0.194	12.25	14.00	1.496	76.68	1.304	0.379	77#
Ant.7	Level1&2	/	Bluetooth(DH5)	Left Tilt	0	39	2441	-0.14	0.164	12.25	14.00	1.496	76.68	1.304	0.320	/
Ant.7	Level1&2	/	Bluetooth(DH5)	Right Cheek	0	39	2441	-0.18	0.098	12.25	14.00	1.496	76.68	1.304	0.191	/
Ant.7	Level1&2	/	Bluetooth(DH5)	Right Tilt	0	39	2441	0.12	0.096	12.25	14.00	1.496	76.68	1.304	0.187	/
Ant.7	Level3	/	Bluetooth(DH5)	Left Cheek	0	39	2441	0.03	0.171	11.69	13.00	1.352	76.68	1.304	0.302	/
Ant.7	Level3	/	Bluetooth(DH5)	Left Tilt	0	39	2441	0.03	0.142	11.69	13.00	1.352	76.68	1.304	0.250	/
Ant.7	Level3	/	Bluetooth(DH5)	Right Cheek	0	39	2441	-0.06	0.085	11.69	13.00	1.352	76.68	1.304	0.150	/
Ant.7	Level3	/	Bluetooth(DH5)	Right Tilt	0	39	2441	0.03	0.084	11.69	13.00	1.352	76.68	1.304	0.148	/
Ant.7	Level4	/	Bluetooth(DH5)	Left Cheek	0	39	2441	-0.15	0.152	10.68	12.00	1.355	76.68	1.304	0.269	/
Ant.7	Level4	/	Bluetooth(DH5)	Left Tilt	0	39	2441	0.15	0.125	10.68	12.00	1.355	76.68	1.304	0.221	/
Ant.7	Level4	/	Bluetooth(DH5)	Right Cheek	0	39	2441	0.06	0.076	10.68	12.00	1.355	76.68	1.304	0.134	/
Ant.7	Level4	/	Bluetooth(DH5)	Right Tilt	0	39	2441	0.12	0.074	10.68	12.00	1.355	76.68	1.304	0.131	/
Body-worn																
Ant.7	Level5&6&7&8	Off (Sensor0)	Bluetooth(DH5)	Front Side	15	39	2441	0.09	0.015	12.25	14.00	1.496	76.68	1.304	0.029	/
Ant.7	Level5&6&7&8	Off (Sensor0)	Bluetooth(DH5)	Back Side	15	39	2441	-0.06	0.019	12.25	14.00	1.496	76.68	1.304	**0.037**	78#
Hotspot																
Ant.7	Level5&6&7&8	Off (Sensor0)	Bluetooth(DH5)	Front Side	10	39	2441	-0.17	0.030	12.25	14.00	1.496	76.68	1.304	0.059	/
Ant.7	Level5	Off (Sensor0)	Bluetooth(DH5)	Back Side	10	39	2441	-0.03	0.037	12.25	14.00	1.496	76.68	1.304	0.072	/
Ant.7	Level6&7	On(Sensor0)	Bluetooth(DH5)	Back Side	10	39	2441	-0.03	0.037	12.25	14.00	1.496	76.68	1.304	0.072	/
Ant.7	Level8	On(Sensor0)	Bluetooth(DH5)	Back Side	10	39	2441	0.06	0.030	11.69	13.00	1.352	76.68	1.304	0.053	/
Ant.7	Level5&6&7&8	Off (Sensor0)	Bluetooth(DH5)	Left Edge	10	39	2441	0.15	0.021	12.25	14.00	1.496	76.68	1.304	0.041	/
Ant.7	Level5&6&7&8	Off (Sensor0)	Bluetooth(DH5)	Top Edge	10	39	2441	0.16	0.037	12.25	14.00	1.496	76.68	1.304	**0.072**	79#
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
850	GSM	Head	Right Cheek	0.969	Yes	0.954	1.02
1900	GSM	Head	Right Cheek	0.951	Yes	0.943	1.01
1900	WCDMA band 2	Head	Right Tilt	0.970	Yes	0.961	1.01
1900	LTE band 2	Head	Right Tilt	1.040	Yes	1.022	1.02
1700	LTE band 4	Head	Right Tilt	0.937	Yes	0.918	1.02
1750	LTE band 66	Head	Right Tilt	0.866	Yes	0.837	1.03
5250	WIFI 5GHz	Head	Left Tilt	0.922	Yes	0.915	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.							

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
1	WLAN 5GHz + BT	Yes	Yes	Yes
2	WWAN + WLAN 2.4GHz	Yes	Yes	Yes
3	WWAN + WLAN 5GHz	Yes	Yes	Yes
4	WWAN + BT	Yes	Yes	Yes
5	WWAN + WLAN 5GHz + BT	Yes	Yes	Yes

Note:

1. 2.4G WLAN can’t transmit simultaneously with Bluetooth or 5G WLAN.
2. Two WWAN antennas can switch automatically.
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 Simultaneous Transmission SAR Evaluation for WLAN 5G and BT

Power Reduction	Position	Stand alone SAR		SUM SAR
		1	2	
		5GWIFI Max	Bluetooth Max	5G WIFI +BT
		Ant.7	Ant.7	(1+2)
Level1	Left Cheek	0.990	0.379	1.369
Level1	Left Tilt	1.188	0.320	**1.508**
Level1	Right Cheek	0.593	0.191	0.784
Level1	Right Tilt	0.714	0.187	0.901
Level3	Front Side 15mm	0.220	0.029	0.249
Level3	Back Side 15mm	0.561	0.037	0.598
Level3	Front Side 10mm	0.225	0.059	0.284
Level3	Back Side 10mm	0.986	0.072	1.058
Level3	Left Edge 10mm	0.234	0.041	0.275
Level3	Top Edge 10mm	0.651	0.072	0.723

Note:

1: The highest Summed 1g SAR is 1.508 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.2 Head Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN 2.4G and WLAN 5G

Band	Power Reduction	Antenna	Position	Stand alone SAR					SUM SAR		
				1	2	3	4	5			
				WWAN	2.4GWIFI (Level2)	5GWIFI Max (Level2)	Bluetooth (Level3)	Bluetooth (Level4)	WWAN+2.4G WIFI	WWAN+BT	WWAN+5G WIFI+BT
					Ant.7	Ant.7	Ant.7	Ant.7	(1+2)	(1+4)	(1+3+5)
GSM850	Level2	Ant.1	Left Cheek	0.539	0.306	0.385	0.302	0.269	0.845	0.841	1.193
	Level2	Ant.1	Left Tilt	0.495	0.219	0.491	0.250	0.221	0.714	0.745	1.207
	Level2	Ant.1	Right Cheek	0.915	0.140	0.250	0.150	0.134	1.055	1.065	1.299
	Level2	Ant.1	Right Tilt	0.597	0.153	0.301	0.148	0.131	0.750	0.745	1.029
GSM850	Level2	Ant.0	Left Cheek	0.382	0.306	0.385	0.302	0.269	0.688	0.684	1.036
	Level2	Ant.0	Left Tilt	0.174	0.219	0.491	0.250	0.221	0.393	0.424	0.886
	Level2	Ant.0	Right Cheek	0.257	0.140	0.250	0.150	0.134	0.397	0.407	0.641
	Level2	Ant.0	Right Tilt	0.158	0.153	0.301	0.148	0.131	0.311	0.306	0.590
GSM 1900	Level2	Ant.1	Left Cheek	0.553	0.306	0.385	0.302	0.269	0.859	0.855	1.207
	Level2	Ant.1	Left Tilt	0.598	0.219	0.491	0.250	0.221	0.817	0.848	1.310
	Level2	Ant.1	Right Cheek	0.946	0.140	0.250	0.150	0.134	1.086	1.096	1.330
	Level2	Ant.1	Right Tilt	0.913	0.153	0.301	0.148	0.131	1.066	1.061	1.345
GSM 1900	Level2	Ant.0	Left Cheek	0.139	0.306	0.385	0.302	0.269	0.445	0.441	0.793
	Level2	Ant.0	Left Tilt	0.065	0.219	0.491	0.250	0.221	0.284	0.315	0.777
	Level2	Ant.0	Right Cheek	0.125	0.140	0.250	0.150	0.134	0.265	0.275	0.509
	Level2	Ant.0	Right Tilt	0.060	0.153	0.301	0.148	0.131	0.213	0.208	0.492
WCDMA B2	Level2	Ant.1	Left Cheek	0.587	0.306	0.385	0.302	0.269	0.893	0.889	1.241
	Level2	Ant.1	Left Tilt	0.647	0.219	0.491	0.250	0.221	0.866	0.897	1.359
	Level2	Ant.1	Right Cheek	0.949	0.140	0.250	0.150	0.134	1.089	1.099	1.333
	Level2	Ant.1	Right Tilt	0.970	0.153	0.301	0.148	0.131	1.123	1.118	1.402
WCDMA B2	Level2	Ant.0	Left Cheek	0.168	0.306	0.385	0.302	0.269	0.474	0.470	0.822
	Level2	Ant.0	Left Tilt	0.078	0.219	0.491	0.250	0.221	0.297	0.328	0.790
	Level2	Ant.0	Right Cheek	0.145	0.140	0.250	0.150	0.134	0.285	0.295	0.529
	Level2	Ant.0	Right Tilt	0.070	0.153	0.301	0.148	0.131	0.223	0.218	0.502
WCDMA B4	Level2	Ant.1	Left Cheek	0.538	0.306	0.385	0.302	0.269	0.844	0.840	1.192
	Level2	Ant.1	Left Tilt	0.613	0.219	0.491	0.250	0.221	0.832	0.863	1.325
	Level2	Ant.1	Right Cheek	0.792	0.140	0.250	0.150	0.134	0.932	0.942	1.176
	Level2	Ant.1	Right Tilt	0.919	0.153	0.301	0.148	0.131	1.072	1.067	1.351
WCDMA B4	Level2	Ant.0	Left Cheek	0.135	0.306	0.385	0.302	0.269	0.441	0.437	0.789
	Level2	Ant.0	Left Tilt	0.059	0.219	0.491	0.250	0.221	0.278	0.309	0.771
	Level2	Ant.0	Right Cheek	0.079	0.140	0.250	0.150	0.134	0.219	0.229	0.463
	Level2	Ant.0	Right Tilt	0.067	0.153	0.301	0.148	0.131	0.220	0.215	0.499
WCDMA B5	Level2	Ant.1	Left Cheek	0.573	0.306	0.385	0.302	0.269	0.879	0.875	1.227
	Level2	Ant.1	Left Tilt	0.542	0.219	0.491	0.250	0.221	0.761	0.792	1.254
	Level2	Ant.1	Right Cheek	0.896	0.140	0.250	0.150	0.134	1.036	1.046	1.280

	Level2	Ant.1	Right Tilt	0.765	0.153	0.301	0.148	0.131	0.918	0.913	1.197
WCDMA B5	Level2	Ant.0	Left Cheek	0.162	0.306	0.385	0.302	0.269	0.468	0.464	0.816
	Level2	Ant.0	Left Tilt	0.087	0.219	0.491	0.250	0.221	0.306	0.337	0.799
	Level2	Ant.0	Right Cheek	0.128	0.140	0.250	0.150	0.134	0.268	0.278	0.512
	Level2	Ant.0	Right Tilt	0.070	0.153	0.301	0.148	0.131	0.223	0.218	0.502
LTE B2	Level2	Ant.1	Left Cheek	0.696	0.306	0.385	0.302	0.269	1.002	0.998	1.350
	Level2	Ant.1	Left Tilt	0.773	0.219	0.491	0.250	0.221	0.992	1.023	1.485
	Level2	Ant.1	Right Cheek	1.108	0.140	0.250	0.150	0.134	1.248	1.258	1.492
	Level2	Ant.1	Right Tilt	1.127	0.153	0.301	0.148	0.131	1.280	1.275	1.559
LTE B2	Level2	Ant.0	Left Cheek	0.108	0.306	0.385	0.302	0.269	0.414	0.410	0.762
	Level2	Ant.0	Left Tilt	0.015	0.219	0.491	0.250	0.221	0.234	0.265	0.727
	Level2	Ant.0	Right Cheek	0.100	0.140	0.250	0.150	0.134	0.240	0.250	0.484
	Level2	Ant.0	Right Tilt	0.048	0.153	0.301	0.148	0.131	0.201	0.196	0.480
LTE B4	Level2	Ant.1	Left Cheek	0.621	0.306	0.385	0.302	0.269	0.927	0.923	1.275
	Level2	Ant.1	Left Tilt	0.712	0.219	0.491	0.250	0.221	0.931	0.962	1.424
	Level2	Ant.1	Right Cheek	0.955	0.140	0.250	0.150	0.134	1.095	1.105	1.339
	Level2	Ant.1	Right Tilt	0.989	0.153	0.301	0.148	0.131	1.142	1.137	1.421
LTE B4	Level2	Ant.0	Left Cheek	0.093	0.306	0.385	0.302	0.269	0.399	0.395	0.747
	Level2	Ant.0	Left Tilt	0.016	0.219	0.491	0.250	0.221	0.235	0.266	0.728
	Level2	Ant.0	Right Cheek	0.052	0.140	0.250	0.150	0.134	0.192	0.202	0.436
	Level2	Ant.0	Right Tilt	0.011	0.153	0.301	0.148	0.131	0.164	0.159	0.443
LTE B5	Level2	Ant.1	Left Cheek	0.552	0.306	0.385	0.302	0.269	0.858	0.854	1.206
	Level2	Ant.1	Left Tilt	0.472	0.219	0.491	0.250	0.221	0.691	0.722	1.184
	Level2	Ant.1	Right Cheek	0.721	0.140	0.250	0.150	0.134	0.861	0.871	1.105
	Level2	Ant.1	Right Tilt	0.718	0.153	0.301	0.148	0.131	0.871	0.866	1.150
LTE B5	Level2	Ant.0	Left Cheek	0.180	0.306	0.385	0.302	0.269	0.486	0.482	0.834
	Level2	Ant.0	Left Tilt	0.101	0.219	0.491	0.250	0.221	0.320	0.351	0.813
	Level2	Ant.0	Right Cheek	0.141	0.140	0.250	0.150	0.134	0.281	0.291	0.525
	Level2	Ant.0	Right Tilt	0.077	0.153	0.301	0.148	0.131	0.230	0.225	0.509
LTE B7	Level2	Ant.1	Left Cheek	0.144	0.306	0.385	0.302	0.269	0.450	0.446	0.798
	Level2	Ant.1	Left Tilt	0.183	0.219	0.491	0.250	0.221	0.402	0.433	0.895
	Level2	Ant.1	Right Cheek	0.500	0.140	0.250	0.150	0.134	0.640	0.650	0.884
	Level2	Ant.1	Right Tilt	0.514	0.153	0.301	0.148	0.131	0.667	0.662	0.946
LTE B7	Level2	Ant.0	Left Cheek	0.116	0.306	0.385	0.302	0.269	0.422	0.418	0.770
	Level2	Ant.0	Left Tilt	0.075	0.219	0.491	0.250	0.221	0.294	0.325	0.787
	Level2	Ant.0	Right Cheek	0.211	0.140	0.250	0.150	0.134	0.351	0.361	0.595
	Level2	Ant.0	Right Tilt	0.120	0.153	0.301	0.148	0.131	0.273	0.268	0.552
LTE B12	Level2	Ant.1	Left Cheek	0.234	0.306	0.385	0.302	0.269	0.540	0.536	0.888
	Level2	Ant.1	Left Tilt	0.247	0.219	0.491	0.250	0.221	0.466	0.497	0.959
	Level2	Ant.1	Right Cheek	0.397	0.140	0.250	0.150	0.134	0.537	0.547	0.781
	Level2	Ant.1	Right Tilt	0.403	0.153	0.301	0.148	0.131	0.556	0.551	0.835
LTE B12	Level2	Ant.0	Left Cheek	0.133	0.306	0.385	0.302	0.269	0.439	0.435	0.787
	Level2	Ant.0	Left Tilt	0.017	0.219	0.491	0.250	0.221	0.236	0.267	0.729

	Level2	Ant.0	Right Cheek	0.100	0.140	0.250	0.150	0.134	0.240	0.250	0.484
	Level2	Ant.0	Right Tilt	0.017	0.153	0.301	0.148	0.131	0.170	0.165	0.449
LTE B13	Level2	Ant.1	Left Cheek	0.261	0.306	0.385	0.302	0.269	0.567	0.563	0.915
	Level2	Ant.1	Left Tilt	0.264	0.219	0.491	0.250	0.221	0.483	0.514	0.976
	Level2	Ant.1	Right Cheek	0.429	0.140	0.250	0.150	0.134	0.569	0.579	0.813
	Level2	Ant.1	Right Tilt	0.413	0.153	0.301	0.148	0.131	0.566	0.561	0.845
LTE B13	Level2	Ant.0	Left Cheek	0.074	0.306	0.385	0.302	0.269	0.380	0.376	0.728
	Level2	Ant.0	Left Tilt	0.012	0.219	0.491	0.250	0.221	0.231	0.262	0.724
	Level2	Ant.0	Right Cheek	0.055	0.140	0.250	0.150	0.134	0.195	0.205	0.439
	Level2	Ant.0	Right Tilt	0.012	0.153	0.301	0.148	0.131	0.165	0.160	0.444
LTE B17	Level2	Ant.1	Left Cheek	0.210	0.306	0.385	0.302	0.269	0.516	0.512	0.864
	Level2	Ant.1	Left Tilt	0.226	0.219	0.491	0.250	0.221	0.445	0.476	0.938
	Level2	Ant.1	Right Cheek	0.333	0.140	0.250	0.150	0.134	0.473	0.483	0.717
	Level2	Ant.1	Right Tilt	0.354	0.153	0.301	0.148	0.131	0.507	0.502	0.786
LTE B17	Level2	Ant.0	Left Cheek	0.148	0.306	0.385	0.302	0.269	0.454	0.450	0.802
	Level2	Ant.0	Left Tilt	0.075	0.219	0.491	0.250	0.221	0.294	0.325	0.787
	Level2	Ant.0	Right Cheek	0.102	0.140	0.250	0.150	0.134	0.242	0.252	0.486
	Level2	Ant.0	Right Tilt	0.015	0.153	0.301	0.148	0.131	0.168	0.163	0.447
LTE B26	Level2	Ant.1	Left Cheek	0.718	0.306	0.385	0.302	0.269	1.024	1.020	1.372
	Level2	Ant.1	Left Tilt	0.746	0.219	0.491	0.250	0.221	0.965	0.996	1.458
	Level2	Ant.1	Right Cheek	1.049	0.140	0.250	0.150	0.134	1.189	1.199	1.433
	Level2	Ant.1	Right Tilt	1.010	0.153	0.301	0.148	0.131	1.163	1.158	1.442
LTE B26	Level2	Ant.0	Left Cheek	0.240	0.306	0.385	0.302	0.269	0.546	0.542	0.894
	Level2	Ant.0	Left Tilt	0.063	0.219	0.491	0.250	0.221	0.282	0.313	0.775
	Level2	Ant.0	Right Cheek	0.116	0.140	0.250	0.150	0.134	0.256	0.266	0.500
	Level2	Ant.0	Right Tilt	0.059	0.153	0.301	0.148	0.131	0.212	0.207	0.491
LTE B66	Level2	Ant.1	Left Cheek	0.690	0.306	0.385	0.302	0.269	0.996	0.992	1.344
	Level2	Ant.1	Left Tilt	0.747	0.219	0.491	0.250	0.221	0.966	0.997	1.459
	Level2	Ant.1	Right Cheek	1.151	0.140	0.250	0.150	0.134	1.291	1.301	1.535
	Level2	Ant.1	Right Tilt	1.157	0.153	0.301	0.148	0.131	1.310	1.305	**1.589**
LTE B66	Level2	Ant.0	Left Cheek	0.105	0.306	0.385	0.302	0.269	0.411	0.407	0.759
	Level2	Ant.0	Left Tilt	0.016	0.219	0.491	0.250	0.221	0.235	0.266	0.728
	Level2	Ant.0	Right Cheek	0.051	0.140	0.250	0.150	0.134	0.191	0.201	0.435
	Level2	Ant.0	Right Tilt	0.010	0.153	0.301	0.148	0.131	0.163	0.158	0.442
LTE B38	Level2	Ant.1	Left Cheek	0.206	0.306	0.385	0.302	0.269	0.512	0.508	0.860
	Level2	Ant.1	Left Tilt	0.216	0.219	0.491	0.250	0.221	0.435	0.466	0.928
	Level2	Ant.1	Right Cheek	0.580	0.140	0.250	0.150	0.134	0.720	0.730	0.964
	Level2	Ant.1	Right Tilt	0.561	0.153	0.301	0.148	0.131	0.714	0.709	0.993
LTE B38	Level2	Ant.0	Left Cheek	0.060	0.306	0.385	0.302	0.269	0.366	0.362	0.714
	Level2	Ant.0	Left Tilt	0.018	0.219	0.491	0.250	0.221	0.237	0.268	0.730
	Level2	Ant.0	Right Cheek	0.120	0.140	0.250	0.150	0.134	0.260	0.270	0.504
	Level2	Ant.0	Right Tilt	0.062	0.153	0.301	0.148	0.131	0.215	0.210	0.494
LTE B41	Level2	Ant.1	Left Cheek	0.218	0.306	0.385	0.302	0.269	0.524	0.520	0.872

	Level2	Ant.1	Left Tilt	0.246	0.219	0.491	0.250	0.221	0.465	0.496	0.958
	Level2	Ant.1	Right Cheek	0.610	0.140	0.250	0.150	0.134	0.750	0.760	0.994
	Level2	Ant.1	Right Tilt	0.611	0.153	0.301	0.148	0.131	0.764	0.759	1.043
LTE B41	Level2	Ant.0	Left Cheek	0.071	0.306	0.385	0.302	0.269	0.377	0.373	0.725
	Level2	Ant.0	Left Tilt	0.052	0.219	0.491	0.250	0.221	0.271	0.302	0.764
	Level2	Ant.0	Right Cheek	0.151	0.140	0.250	0.150	0.134	0.291	0.301	0.535
	Level2	Ant.0	Right Tilt	0.075	0.153	0.301	0.148	0.131	0.228	0.223	0.507
N5	Level2	Ant.1	Left Cheek	0.572	0.306	0.385	0.302	0.269	0.878	0.874	1.226
	Level2	Ant.1	Left Tilt	0.437	0.219	0.491	0.250	0.221	0.656	0.687	1.149
	Level2	Ant.1	Right Cheek	0.714	0.140	0.250	0.150	0.134	0.854	0.864	1.098
	Level2	Ant.1	Right Tilt	0.463	0.153	0.301	0.148	0.131	0.616	0.611	0.895
N5	Level2	Ant.0	Left Cheek	0.011	0.306	0.385	0.302	0.269	0.317	0.313	0.665
	Level2	Ant.0	Left Tilt	0.006	0.219	0.491	0.250	0.221	0.225	0.256	0.718
	Level2	Ant.0	Right Cheek	0.018	0.140	0.250	0.150	0.134	0.158	0.168	0.402
	Level2	Ant.0	Right Tilt	0.008	0.153	0.301	0.148	0.131	0.161	0.156	0.440
N7	Level2	Ant.1	Left Cheek	0.141	0.306	0.385	0.302	0.269	0.447	0.443	0.795
	Level2	Ant.1	Left Tilt	0.175	0.219	0.491	0.250	0.221	0.394	0.425	0.887
	Level2	Ant.1	Right Cheek	0.357	0.140	0.250	0.150	0.134	0.497	0.507	0.741
	Level2	Ant.1	Right Tilt	0.298	0.153	0.301	0.148	0.131	0.451	0.446	0.730
N7	Level2	Ant.0	Left Cheek	0.113	0.306	0.385	0.302	0.269	0.419	0.415	0.767
	Level2	Ant.0	Left Tilt	0.052	0.219	0.491	0.250	0.221	0.271	0.302	0.764
	Level2	Ant.0	Right Cheek	0.165	0.140	0.250	0.150	0.134	0.305	0.315	0.549
	Level2	Ant.0	Right Tilt	0.100	0.153	0.301	0.148	0.131	0.253	0.248	0.532
N66	Level2	Ant.1	Left Cheek	0.601	0.306	0.385	0.302	0.269	0.907	0.903	1.255
	Level2	Ant.1	Left Tilt	0.634	0.219	0.491	0.250	0.221	0.853	0.884	1.346
	Level2	Ant.1	Right Cheek	0.722	0.140	0.250	0.150	0.134	0.862	0.872	1.106
	Level2	Ant.1	Right Tilt	0.355	0.153	0.301	0.148	0.131	0.508	0.503	0.787
N66	Level2	Ant.0	Left Cheek	0.096	0.306	0.385	0.302	0.269	0.402	0.398	0.750
	Level2	Ant.0	Left Tilt	0.018	0.219	0.491	0.250	0.221	0.237	0.268	0.730
	Level2	Ant.0	Right Cheek	0.045	0.140	0.250	0.150	0.134	0.185	0.195	0.429
	Level2	Ant.0	Right Tilt	0.012	0.153	0.301	0.148	0.131	0.165	0.160	0.444
N38	Level2	Ant.1	Left Cheek	0.162	0.306	0.385	0.302	0.269	0.468	0.464	0.816
	Level2	Ant.1	Left Tilt	0.181	0.219	0.491	0.250	0.221	0.400	0.431	0.893
	Level2	Ant.1	Right Cheek	0.389	0.140	0.250	0.150	0.134	0.529	0.539	0.773
	Level2	Ant.1	Right Tilt	0.294	0.153	0.301	0.148	0.131	0.447	0.442	0.726
N38	Level2	Ant.0	Left Cheek	0.052	0.306	0.385	0.302	0.269	0.358	0.354	0.706
	Level2	Ant.0	Left Tilt	0.011	0.219	0.491	0.250	0.221	0.230	0.261	0.723
	Level2	Ant.0	Right Cheek	0.111	0.140	0.250	0.150	0.134	0.251	0.261	0.495
	Level2	Ant.0	Right Tilt	0.056	0.153	0.301	0.148	0.131	0.209	0.204	0.488
N41	Level2	Ant.1	Left Cheek	0.187	0.306	0.385	0.302	0.269	0.493	0.489	0.841
	Level2	Ant.1	Left Tilt	0.212	0.219	0.491	0.250	0.221	0.431	0.462	0.924
	Level2	Ant.1	Right Cheek	0.458	0.140	0.250	0.150	0.134	0.598	0.608	0.842
	Level2	Ant.1	Right Tilt	0.360	0.153	0.301	0.148	0.131	0.513	0.508	0.792

N41	Level2	Ant.0	Left Cheek	0.081	0.306	0.385	0.302	0.269	0.387	0.383	0.735
	Level2	Ant.0	Left Tilt	0.056	0.219	0.491	0.250	0.221	0.275	0.306	0.768
	Level2	Ant.0	Right Cheek	0.149	0.140	0.250	0.150	0.134	0.289	0.299	0.533
	Level2	Ant.0	Right Tilt	0.056	0.153	0.301	0.148	0.131	0.209	0.204	0.488

Note:

1: The highest Summed 1g SAR is 1.589 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 2.4G and WLAN 5G

Band	Power Reduction	Antenna	Position	Stand alone SAR					SUM SAR		
				1	2	3	4	5			
				WWAN	2.4GWIFI (Level4)	5GWIFI Max (Level4)	Bluetooth (Level7)	Bluetooth (Level8)	WWAN+2.4G WIFI	WWAN+BT	WWAN+5G WIFI+BT
					Ant.7	Ant.7	Ant.7	Ant.7	(1+2)	(1+4)	(1+3+5)
GSM850	Level4	Ant.1	Front Side 15mm	0.125	0.058	0.073	0.029	0.029	0.183	0.154	0.227
	Level4	Ant.1	Back Side 15mm	0.167	0.081	0.182	0.037	0.037	0.248	0.204	0.386
GSM850	Level4	Ant.0	Front Side 15mm	0.186	0.058	0.073	0.029	0.029	0.244	0.215	0.288
	Level4	Ant.0	Back Side 15mm	0.249	0.081	0.182	0.037	0.037	0.330	0.286	0.468
GSM 1900	Level4	Ant.1	Front Side 15mm	0.348	0.058	0.073	0.029	0.029	0.406	0.377	0.450
	Level4	Ant.1	Back Side 15mm	0.506	0.081	0.182	0.037	0.037	0.587	0.543	0.725
GSM 1900	Level4	Ant.0	Front Side 15mm	0.206	0.058	0.073	0.029	0.029	0.264	0.235	0.308
	Level4	Ant.0	Back Side 15mm	0.316	0.081	0.182	0.037	0.037	0.397	0.353	0.535
WCDMA B2	Level4	Ant.1	Front Side 15mm	0.397	0.058	0.073	0.029	0.029	0.455	0.426	0.499
	Level4	Ant.1	Back Side 15mm	0.311	0.081	0.182	0.037	0.037	0.392	0.348	0.530
WCDMA B2	Level4	Ant.0	Front Side 15mm	0.346	0.058	0.073	0.029	0.029	0.404	0.375	0.448
	Level4	Ant.0	Back Side 15mm	0.584	0.081	0.182	0.037	0.037	0.665	0.621	**0.803**
WCDMA B4	Level4	Ant.1	Front Side 15mm	0.273	0.058	0.073	0.029	0.029	0.331	0.302	0.375
	Level4	Ant.1	Back Side 15mm	0.221	0.081	0.182	0.037	0.037	0.302	0.258	0.440
WCDMA B4	Level4	Ant.0	Front Side 15mm	0.165	0.058	0.073	0.029	0.029	0.223	0.194	0.267
	Level4	Ant.0	Back Side 15mm	0.279	0.081	0.182	0.037	0.037	0.360	0.316	0.498
WCDMA B5	Level4	Ant.1	Front Side 15mm	0.118	0.058	0.073	0.029	0.029	0.176	0.147	0.220
	Level4	Ant.1	Back Side 15mm	0.125	0.081	0.182	0.037	0.037	0.206	0.162	0.344
WCDMA B5	Level4	Ant.0	Front Side 15mm	0.132	0.058	0.073	0.029	0.029	0.190	0.161	0.234
	Level4	Ant.0	Back Side 15mm	0.183	0.081	0.182	0.037	0.037	0.264	0.220	0.402
LTE B2	Level4	Ant.1	Front Side 15mm	0.330	0.058	0.073	0.029	0.029	0.388	0.359	0.432
	Level4	Ant.1	Back Side 15mm	0.321	0.081	0.182	0.037	0.037	0.402	0.358	0.540
LTE B2	Level4	Ant.0	Front Side 15mm	0.172	0.058	0.073	0.029	0.029	0.230	0.201	0.274
	Level4	Ant.0	Back Side 15mm	0.271	0.081	0.182	0.037	0.037	0.352	0.308	0.490
LTE B4	Level4	Ant.1	Front Side 15mm	0.128	0.058	0.073	0.029	0.029	0.186	0.157	0.230
	Level4	Ant.1	Back Side 15mm	0.155	0.081	0.182	0.037	0.037	0.236	0.192	0.374
LTE B4	Level4	Ant.0	Front Side 15mm	0.112	0.058	0.073	0.029	0.029	0.170	0.141	0.214
	Level4	Ant.0	Back Side 15mm	0.213	0.081	0.182	0.037	0.037	0.294	0.250	0.432
LTE B5	Level4	Ant.1	Front Side 15mm	0.102	0.058	0.073	0.029	0.029	0.160	0.131	0.204
	Level4	Ant.1	Back Side 15mm	0.118	0.081	0.182	0.037	0.037	0.199	0.155	0.337
LTE B5	Level4	Ant.0	Front Side 15mm	0.114	0.058	0.073	0.029	0.029	0.172	0.143	0.216
	Level4	Ant.0	Back Side 15mm	0.166	0.081	0.182	0.037	0.037	0.247	0.203	0.385
LTE B7	Level4	Ant.1	Front Side 15mm	0.111	0.058	0.073	0.029	0.029	0.169	0.140	0.213
	Level4	Ant.1	Back Side 15mm	0.114	0.081	0.182	0.037	0.037	0.195	0.151	0.333
LTE B7	Level4	Ant.0	Front Side 15mm	0.060	0.058	0.073	0.029	0.029	0.118	0.089	0.162

	Level4	Ant.0	Back Side 15mm	0.188	0.081	0.182	0.037	0.037	0.269	0.225	0.407
LTE B12	Level4	Ant.1	Front Side 15mm	0.087	0.058	0.073	0.029	0.029	0.145	0.116	0.189
	Level4	Ant.1	Back Side 15mm	0.109	0.081	0.182	0.037	0.037	0.190	0.146	0.328
LTE B12	Level4	Ant.0	Front Side 15mm	0.126	0.058	0.073	0.029	0.029	0.184	0.155	0.228
	Level4	Ant.0	Back Side 15mm	0.197	0.081	0.182	0.037	0.037	0.278	0.234	0.416
LTE B13	Level4	Ant.1	Front Side 15mm	0.067	0.058	0.073	0.029	0.029	0.125	0.096	0.169
	Level4	Ant.1	Back Side 15mm	0.091	0.081	0.182	0.037	0.037	0.172	0.128	0.310
LTE B13	Level4	Ant.0	Front Side 15mm	0.075	0.058	0.073	0.029	0.029	0.133	0.104	0.177
	Level4	Ant.0	Back Side 15mm	0.101	0.081	0.182	0.037	0.037	0.182	0.138	0.320
LTE B17	Level4	Ant.1	Front Side 15mm	0.084	0.058	0.073	0.029	0.029	0.142	0.113	0.186
	Level4	Ant.1	Back Side 15mm	0.106	0.081	0.182	0.037	0.037	0.187	0.143	0.325
LTE B17	Level4	Ant.0	Front Side 15mm	0.155	0.058	0.073	0.029	0.029	0.213	0.184	0.257
	Level4	Ant.0	Back Side 15mm	0.217	0.081	0.182	0.037	0.037	0.298	0.254	0.436
LTE B26	Level4	Ant.1	Front Side 15mm	0.100	0.058	0.073	0.029	0.029	0.158	0.129	0.202
	Level4	Ant.1	Back Side 15mm	0.128	0.081	0.182	0.037	0.037	0.209	0.165	0.347
LTE B26	Level4	Ant.0	Front Side 15mm	0.101	0.058	0.073	0.029	0.029	0.159	0.130	0.203
	Level4	Ant.0	Back Side 15mm	0.142	0.081	0.182	0.037	0.037	0.223	0.179	0.361
LTE B66	Level4	Ant.1	Front Side 15mm	0.148	0.058	0.073	0.029	0.029	0.206	0.177	0.250
	Level4	Ant.1	Back Side 15mm	0.192	0.081	0.182	0.037	0.037	0.273	0.229	0.411
LTE B66	Level4	Ant.0	Front Side 15mm	0.085	0.058	0.073	0.029	0.029	0.143	0.114	0.187
	Level4	Ant.0	Back Side 15mm	0.165	0.081	0.182	0.037	0.037	0.246	0.202	0.384
LTE B38	Level4	Ant.1	Front Side 15mm	0.049	0.058	0.073	0.029	0.029	0.107	0.078	0.151
	Level4	Ant.1	Back Side 15mm	0.086	0.081	0.182	0.037	0.037	0.167	0.123	0.305
LTE B38	Level4	Ant.0	Front Side 15mm	0.088	0.058	0.073	0.029	0.029	0.146	0.117	0.190
	Level4	Ant.0	Back Side 15mm	0.232	0.081	0.182	0.037	0.037	0.313	0.269	0.451
LTE B41	Level4	Ant.1	Front Side 15mm	0.052	0.058	0.073	0.029	0.029	0.110	0.081	0.154
	Level4	Ant.1	Back Side 15mm	0.097	0.081	0.182	0.037	0.037	0.178	0.134	0.316
LTE B41	Level4	Ant.0	Front Side 15mm	0.071	0.058	0.073	0.029	0.029	0.129	0.100	0.173
	Level4	Ant.0	Back Side 15mm	0.214	0.081	0.182	0.037	0.037	0.295	0.251	0.433
N5	Level4	Ant.1	Front Side 15mm	0.058	0.058	0.073	0.029	0.029	0.116	0.087	0.160
	Level4	Ant.1	Back Side 15mm	0.077	0.081	0.182	0.037	0.037	0.158	0.114	0.296
N5	Level4	Ant.0	Front Side 15mm	0.051	0.058	0.073	0.029	0.029	0.109	0.080	0.153
	Level4	Ant.0	Back Side 15mm	0.072	0.081	0.182	0.037	0.037	0.153	0.109	0.291
N7	Level4	Ant.1	Front Side 15mm	0.115	0.058	0.073	0.029	0.029	0.173	0.144	0.217
	Level4	Ant.1	Back Side 15mm	0.158	0.081	0.182	0.037	0.037	0.239	0.195	0.377
N7	Level4	Ant.0	Front Side 15mm	0.104	0.058	0.073	0.029	0.029	0.162	0.133	0.206
	Level4	Ant.0	Back Side 15mm	0.141	0.081	0.182	0.037	0.037	0.222	0.178	0.360
N66	Level4	Ant.1	Front Side 15mm	0.166	0.058	0.073	0.029	0.029	0.224	0.195	0.268
	Level4	Ant.1	Back Side 15mm	0.125	0.081	0.182	0.037	0.037	0.206	0.162	0.344
N66	Level4	Ant.0	Front Side 15mm	0.076	0.058	0.073	0.029	0.029	0.134	0.105	0.178
	Level4	Ant.0	Back Side 15mm	0.089	0.081	0.182	0.037	0.037	0.170	0.126	0.308
N38	Level4	Ant.1	Front Side 15mm	0.098	0.058	0.073	0.029	0.029	0.156	0.127	0.200
	Level4	Ant.1	Back Side 15mm	0.144	0.081	0.182	0.037	0.037	0.225	0.181	0.363

N38	Level4	Ant.0	Front Side 15mm	0.153	0.058	0.073	0.029	0.029	0.211	0.182	0.255
	Level4	Ant.0	Back Side 15mm	0.333	0.081	0.182	0.037	0.037	0.414	0.370	0.552
N41	Level4	Ant.1	Front Side 15mm	0.073	0.058	0.073	0.029	0.029	0.131	0.102	0.175
	Level4	Ant.1	Back Side 15mm	0.196	0.081	0.182	0.037	0.037	0.277	0.233	0.415
N41	Level4	Ant.0	Front Side 15mm	0.122	0.058	0.073	0.029	0.029	0.180	0.151	0.224
	Level4	Ant.0	Back Side 15mm	0.278	0.081	0.182	0.037	0.037	0.359	0.315	0.497

Note:

1: The highest Summed 1g SAR is 0.803 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.4 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN 2.4G and WLAN 5G

Band	Power Reduction	Antenna	Position	Stand alone SAR					SUM SAR		
				1	2	3	4	5			
				WWAN	2.4GWIFI (Level4)	5GWIFI Max (Level4)	Bluetooth (Level7)	Bluetooth (Level8)	WWAN+2.4G WIFI	WWAN+BT	WWAN+5G WIFI+BT
					Ant.7	Ant.7	Ant.7	Ant.7	(1+2)	(1+4)	(1+3+5)
GSM850	Level4	Ant.1	Front Side 10mm	0.226	0.102	0.116	0.059	0.059	0.328	0.285	0.401
	Level4	Ant.1	Back Side 10mm	0.319	0.134	0.266	0.072	0.072	0.453	0.391	0.657
	Level4	Ant.1	Right Edge 10mm	0.136	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.276	0.136	0.199	0.072	0.072	0.412	0.348	0.547
GSM850	Level4	Ant.0	Front Side 10mm	0.234	0.102	0.116	0.059	0.059	0.336	0.293	0.409
	Level4	Ant.0	Back Side 10mm	0.411	0.134	0.266	0.072	0.072	0.545	0.483	0.749
	Level4	Ant.0	Left Edge 10mm	0.154	0.072	0.227	0.041	0.041	0.226	0.195	0.422
	Level4	Ant.0	Right Edge 10mm	0.243	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.292	/	/	/	/	/	/	/
GSM 1900	Level4	Ant.1	Front Side 10mm	0.635	0.102	0.116	0.059	0.059	0.737	0.694	0.810
	Level4	Ant.1	Back Side 10mm	0.826	0.134	0.266	0.072	0.072	0.960	0.898	1.164
	Level4	Ant.1	Right Edge 10mm	0.249	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.950	0.136	0.199	0.072	0.072	1.086	1.022	**1.221**
GSM 1900	Level4	Ant.0	Front Side 10mm	0.361	0.102	0.116	0.059	0.059	0.463	0.420	0.536
	Level4	Ant.0	Back Side 10mm	0.553	0.134	0.266	0.072	0.072	0.687	0.625	0.891
	Level4	Ant.0	Left Edge 10mm	0.193	0.072	0.227	0.041	0.041	0.265	0.234	0.461
	Level4	Ant.0	Right Edge 10mm	0.103	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.732	/	/	/	/	/	/	/
WCDMA B2	Level4	Ant.1	Front Side 10mm	0.564	0.102	0.116	0.059	0.059	0.666	0.623	0.739
	Level4	Ant.1	Back Side 10mm	0.448	0.134	0.266	0.072	0.072	0.582	0.520	0.786
	Level4	Ant.1	Right Edge 10mm	0.154	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.474	0.136	0.199	0.072	0.072	0.610	0.546	0.745
WCDMA B2	Level4	Ant.0	Front Side 10mm	0.391	0.102	0.116	0.059	0.059	0.493	0.450	0.566
	Level4	Ant.0	Back Side 10mm	0.509	0.134	0.266	0.072	0.072	0.643	0.581	0.847
	Level4	Ant.0	Left Edge 10mm	0.229	0.072	0.227	0.041	0.041	0.301	0.270	0.497
	Level4	Ant.0	Right Edge 10mm	0.103	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.658	/	/	/	/	/	/	/
WCDMA B4	Level4	Ant.1	Front Side 10mm	0.433	0.102	0.116	0.059	0.059	0.535	0.492	0.608
	Level4	Ant.1	Back Side 10mm	0.427	0.134	0.266	0.072	0.072	0.561	0.499	0.765
	Level4	Ant.1	Right Edge 10mm	0.100	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.350	0.136	0.199	0.072	0.072	0.486	0.422	0.621
WCDMA B4	Level4	Ant.0	Front Side 10mm	0.307	0.102	0.116	0.059	0.059	0.409	0.366	0.482
	Level4	Ant.0	Back Side 10mm	0.468	0.134	0.266	0.072	0.072	0.602	0.540	0.806
	Level4	Ant.0	Left Edge 10mm	0.144	0.072	0.227	0.041	0.041	0.216	0.185	0.412
	Level4	Ant.0	Right Edge 10mm	0.063	/	/	/	/	/	/	/

	Level4	Ant.0	Bottom Edge 10mm	0.525	/	/	/	/	/	/	/
WCDMA B5	Level4	Ant.1	Front Side 10mm	0.191	0.102	0.116	0.059	0.059	0.293	0.250	0.366
	Level4	Ant.1	Back Side 10mm	0.264	0.134	0.266	0.072	0.072	0.398	0.336	0.602
	Level4	Ant.1	Right Edge 10mm	0.095	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.217	0.136	0.199	0.072	0.072	0.353	0.289	0.488
WCDMA B5	Level4	Ant.0	Front Side 10mm	0.155	0.102	0.116	0.059	0.059	0.257	0.214	0.330
	Level4	Ant.0	Back Side 10mm	0.291	0.134	0.266	0.072	0.072	0.425	0.363	0.629
	Level4	Ant.0	Left Edge 10mm	0.132	0.072	0.227	0.041	0.041	0.204	0.173	0.400
	Level4	Ant.0	Right Edge 10mm	0.180	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.202	/	/	/	/	/	/	/
LTE B2	Level4	Ant.1	Front Side 10mm	0.627	0.102	0.116	0.059	0.059	0.729	0.686	0.802
	Level4	Ant.1	Back Side 10mm	0.585	0.134	0.266	0.072	0.072	0.719	0.657	0.923
	Level4	Ant.1	Right Edge 10mm	0.199	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.608	0.136	0.199	0.072	0.072	0.744	0.680	0.879
LTE B2	Level4	Ant.0	Front Side 10mm	0.357	0.102	0.116	0.059	0.059	0.459	0.416	0.532
	Level4	Ant.0	Back Side 10mm	0.583	0.134	0.266	0.072	0.072	0.717	0.655	0.921
	Level4	Ant.0	Left Edge 10mm	0.200	0.072	0.227	0.041	0.041	0.272	0.241	0.468
	Level4	Ant.0	Right Edge 10mm	0.087	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.716	/	/	/	/	/	/	/
LTE B4	Level4	Ant.1	Front Side 10mm	0.272	0.102	0.116	0.059	0.059	0.374	0.331	0.447
	Level4	Ant.1	Back Side 10mm	0.316	0.134	0.266	0.072	0.072	0.450	0.388	0.654
	Level4	Ant.1	Right Edge 10mm	0.093	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.391	0.136	0.199	0.072	0.072	0.527	0.463	0.662
LTE B4	Level4	Ant.0	Front Side 10mm	0.224	0.102	0.116	0.059	0.059	0.326	0.283	0.399
	Level4	Ant.0	Back Side 10mm	0.320	0.134	0.266	0.072	0.072	0.454	0.392	0.658
	Level4	Ant.0	Left Edge 10mm	0.110	0.072	0.227	0.041	0.041	0.182	0.151	0.378
	Level4	Ant.0	Right Edge 10mm	0.046	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.423	/	/	/	/	/	/	/
LTE B5	Level4	Ant.1	Front Side 10mm	0.184	0.102	0.116	0.059	0.059	0.286	0.243	0.359
	Level4	Ant.1	Back Side 10mm	0.209	0.134	0.266	0.072	0.072	0.343	0.281	0.547
	Level4	Ant.1	Right Edge 10mm	0.077	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.220	0.136	0.199	0.072	0.072	0.356	0.292	0.491
LTE B5	Level4	Ant.0	Front Side 10mm	0.104	0.102	0.116	0.059	0.059	0.206	0.163	0.279
	Level4	Ant.0	Back Side 10mm	0.237	0.134	0.266	0.072	0.072	0.371	0.309	0.575
	Level4	Ant.0	Left Edge 10mm	0.084	0.072	0.227	0.041	0.041	0.156	0.125	0.352
	Level4	Ant.0	Right Edge 10mm	0.118	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.157	/	/	/	/	/	/	/
LTE B7	Level4	Ant.1	Front Side 10mm	0.192	0.102	0.116	0.059	0.059	0.294	0.251	0.367
	Level4	Ant.1	Back Side 10mm	0.248	0.134	0.266	0.072	0.072	0.382	0.320	0.586
	Level4	Ant.1	Right Edge 10mm	0.264	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.292	0.136	0.199	0.072	0.072	0.428	0.364	0.563
LTE B7	Level4	Ant.0	Front Side 10mm	0.150	0.102	0.116	0.059	0.059	0.252	0.209	0.325
	Level4	Ant.0	Back Side 10mm	0.486	0.134	0.266	0.072	0.072	0.620	0.558	0.824

	Level4	Ant.0	Left Edge 10mm	0.125	0.072	0.227	0.041	0.041	0.197	0.166	0.393
	Level4	Ant.0	Right Edge 10mm	0.014	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.185	/	/	/	/	/	/	/
LTE B12	Level4	Ant.1	Front Side 10mm	0.075	0.102	0.116	0.059	0.059	0.177	0.134	0.250
	Level4	Ant.1	Back Side 10mm	0.114	0.134	0.266	0.072	0.072	0.248	0.186	0.452
	Level4	Ant.1	Right Edge 10mm	0.138	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.068	0.136	0.199	0.072	0.072	0.204	0.140	0.339
LTE B12	Level4	Ant.0	Front Side 10mm	0.156	0.102	0.116	0.059	0.059	0.258	0.215	0.331
	Level4	Ant.0	Back Side 10mm	0.222	0.134	0.266	0.072	0.072	0.356	0.294	0.560
	Level4	Ant.0	Left Edge 10mm	0.151	0.072	0.227	0.041	0.041	0.223	0.192	0.419
	Level4	Ant.0	Right Edge 10mm	0.246	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.143	/	/	/	/	/	/	/
LTE B13	Level4	Ant.1	Front Side 10mm	0.087	0.102	0.116	0.059	0.059	0.189	0.146	0.262
	Level4	Ant.1	Back Side 10mm	0.118	0.134	0.266	0.072	0.072	0.252	0.190	0.456
	Level4	Ant.1	Right Edge 10mm	0.105	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.092	0.136	0.199	0.072	0.072	0.228	0.164	0.363
LTE B13	Level4	Ant.0	Front Side 10mm	0.087	0.102	0.116	0.059	0.059	0.189	0.146	0.262
	Level4	Ant.0	Back Side 10mm	0.136	0.134	0.266	0.072	0.072	0.270	0.208	0.474
	Level4	Ant.0	Left Edge 10mm	0.067	0.072	0.227	0.041	0.041	0.139	0.108	0.335
	Level4	Ant.0	Right Edge 10mm	0.125	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.130	/	/	/	/	/	/	/
LTE B17	Level4	Ant.1	Front Side 10mm	0.075	0.102	0.116	0.059	0.059	0.177	0.134	0.250
	Level4	Ant.1	Back Side 10mm	0.109	0.134	0.266	0.072	0.072	0.243	0.181	0.447
	Level4	Ant.1	Right Edge 10mm	0.137	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.074	0.136	0.199	0.072	0.072	0.210	0.146	0.345
LTE B17	Level4	Ant.0	Front Side 10mm	0.155	0.102	0.116	0.059	0.059	0.257	0.214	0.330
	Level4	Ant.0	Back Side 10mm	0.256	0.134	0.266	0.072	0.072	0.390	0.328	0.594
	Level4	Ant.0	Left Edge 10mm	0.183	0.072	0.227	0.041	0.041	0.255	0.224	0.451
	Level4	Ant.0	Right Edge 10mm	0.265	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.182	/	/	/	/	/	/	/
LTE B26	Level4	Ant.1	Front Side 10mm	0.149	0.102	0.116	0.059	0.059	0.251	0.208	0.324
	Level4	Ant.1	Back Side 10mm	0.214	0.134	0.266	0.072	0.072	0.348	0.286	0.552
	Level4	Ant.1	Right Edge 10mm	0.081	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.174	0.136	0.199	0.072	0.072	0.310	0.246	0.445
	Level4	Ant.1	Front Side 10mm	0.101	0.102	0.116	0.059	0.059	0.203	0.160	0.276
LTE B26	Level4	Ant.0	Back Side 10mm	0.223	0.134	0.266	0.072	0.072	0.357	0.295	0.561
	Level4	Ant.0	Left Edge 10mm	0.073	0.072	0.227	0.041	0.041	0.145	0.114	0.341
	Level4	Ant.0	Right Edge 10mm	0.116	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.151	/	/	/	/	/	/	/
LTE B66	Level4	Ant.1	Front Side 10mm	0.299	0.102	0.116	0.059	0.059	0.401	0.358	0.474
	Level4	Ant.1	Back Side 10mm	0.289	0.134	0.266	0.072	0.072	0.423	0.361	0.627
	Level4	Ant.1	Right Edge 10mm	0.086	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.366	0.136	0.199	0.072	0.072	0.502	0.438	0.637

LTE B66	Level4	Ant.0	Front Side 10mm	0.225	0.102	0.116	0.059	0.059	0.327	0.284	0.400
	Level4	Ant.0	Back Side 10mm	0.402	0.134	0.266	0.072	0.072	0.536	0.474	0.740
	Level4	Ant.0	Left Edge 10mm	0.102	0.072	0.227	0.041	0.041	0.174	0.143	0.370
	Level4	Ant.0	Right Edge 10mm	0.051	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.614	/	/	/	/	/	/	/
LTE B38	Level4	Ant.1	Front Side 10mm	0.108	0.102	0.116	0.059	0.059	0.210	0.167	0.283
	Level4	Ant.1	Back Side 10mm	0.239	0.134	0.266	0.072	0.072	0.373	0.311	0.577
	Level4	Ant.1	Right Edge 10mm	0.241	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.283	0.136	0.199	0.072	0.072	0.419	0.355	0.554
LTE B38	Level4	Ant.0	Front Side 10mm	0.151	0.102	0.116	0.059	0.059	0.253	0.210	0.326
	Level4	Ant.0	Back Side 10mm	0.432	0.134	0.266	0.072	0.072	0.566	0.504	0.770
	Level4	Ant.0	Left Edge 10mm	0.104	0.072	0.227	0.041	0.041	0.176	0.145	0.372
	Level4	Ant.0	Right Edge 10mm	0.000	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.125	/	/	/	/	/	/	/
LTE B41	Level4	Ant.1	Front Side 10mm	0.119	0.102	0.116	0.059	0.059	0.221	0.178	0.294
	Level4	Ant.1	Back Side 10mm	0.229	0.134	0.266	0.072	0.072	0.363	0.301	0.567
	Level4	Ant.1	Right Edge 10mm	0.249	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.260	0.136	0.199	0.072	0.072	0.396	0.332	0.531
LTE B41	Level4	Ant.0	Front Side 10mm	0.387	0.102	0.116	0.059	0.059	0.489	0.446	0.562
	Level4	Ant.0	Back Side 10mm	0.744	0.134	0.266	0.072	0.072	0.878	0.816	1.082
	Level4	Ant.0	Left Edge 10mm	0.339	0.072	0.227	0.041	0.041	0.411	0.380	0.607
	Level4	Ant.0	Right Edge 10mm	0.156	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.103	/	/	/	/	/	/	/
N5	Level4	Ant.1	Front Side 10mm	0.103	0.102	0.116	0.059	0.059	0.205	0.162	0.278
	Level4	Ant.1	Back Side 10mm	0.126	0.134	0.266	0.072	0.072	0.260	0.198	0.464
	Level4	Ant.1	Right Edge 10mm	0.042	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.086	0.136	0.199	0.072	0.072	0.222	0.158	0.357
N5	Level4	Ant.0	Front Side 10mm	0.067	0.102	0.116	0.059	0.059	0.169	0.126	0.242
	Level4	Ant.0	Back Side 10mm	0.118	0.134	0.266	0.072	0.072	0.252	0.190	0.456
	Level4	Ant.0	Left Edge 10mm	0.041	0.072	0.227	0.041	0.041	0.113	0.082	0.309
	Level4	Ant.0	Right Edge 10mm	0.049	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.098	/	/	/	/	/	/	/
N7	Level4	Ant.1	Front Side 10mm	0.191	0.102	0.116	0.059	0.059	0.293	0.250	0.366
	Level4	Ant.1	Back Side 10mm	0.261	0.134	0.266	0.072	0.072	0.395	0.333	0.599
	Level4	Ant.1	Right Edge 10mm	0.080	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.225	0.136	0.199	0.072	0.072	0.361	0.297	0.496
N7	Level4	Ant.0	Front Side 10mm	0.161	0.102	0.116	0.059	0.059	0.263	0.220	0.336
	Level4	Ant.0	Back Side 10mm	0.244	0.134	0.266	0.072	0.072	0.378	0.316	0.582
	Level4	Ant.0	Left Edge 10mm	0.177	0.072	0.227	0.041	0.041	0.249	0.218	0.445
	Level4	Ant.0	Right Edge 10mm	0.048	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.150	/	/	/	/	/	/	/
N66	Level4	Ant.1	Front Side 10mm	0.176	0.102	0.116	0.059	0.059	0.278	0.235	0.351
	Level4	Ant.1	Back Side 10mm	0.170	0.134	0.266	0.072	0.072	0.304	0.242	0.508

	Level4	Ant.1	Right Edge 10mm	0.038	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.245	0.136	0.199	0.072	0.072	0.381	0.317	0.516
N66	Level4	Ant.0	Front Side 10mm	0.223	0.102	0.116	0.059	0.059	0.325	0.282	0.398
	Level4	Ant.0	Back Side 10mm	0.316	0.134	0.266	0.072	0.072	0.450	0.388	0.654
	Level4	Ant.0	Left Edge 10mm	0.071	0.072	0.227	0.041	0.041	0.143	0.112	0.339
	Level4	Ant.0	Right Edge 10mm	0.018	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.530	/	/	/	/	/	/	/
N38	Level4	Ant.1	Front Side 10mm	0.153	0.102	0.116	0.059	0.059	0.255	0.212	0.328
	Level4	Ant.1	Back Side 10mm	0.428	0.134	0.266	0.072	0.072	0.562	0.500	0.766
	Level4	Ant.1	Right Edge 10mm	0.234	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.273	0.136	0.199	0.072	0.072	0.409	0.345	0.544
N38	Level4	Ant.0	Front Side 10mm	0.351	0.102	0.116	0.059	0.059	0.453	0.410	0.526
	Level4	Ant.0	Back Side 10mm	0.610	0.134	0.266	0.072	0.072	0.744	0.682	0.948
	Level4	Ant.0	Left Edge 10mm	0.345	0.072	0.227	0.041	0.041	0.417	0.386	0.613
	Level4	Ant.0	Right Edge 10mm	0.028	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.091	/	/	/	/	/	/	/
N41	Level4	Ant.1	Front Side 10mm	0.169	0.102	0.116	0.059	0.059	0.271	0.228	0.344
	Level4	Ant.1	Back Side 10mm	0.409	0.134	0.266	0.072	0.072	0.543	0.481	0.747
	Level4	Ant.1	Right Edge 10mm	0.341	/	/	/	/	/	/	/
	Level4	Ant.1	Top Edge 10mm	0.383	0.136	0.199	0.072	0.072	0.519	0.455	0.654
N41	Level4	Ant.0	Front Side 10mm	0.387	0.102	0.116	0.059	0.059	0.489	0.446	0.562
	Level4	Ant.0	Back Side 10mm	0.755	0.134	0.266	0.072	0.072	0.889	0.827	1.093
	Level4	Ant.0	Left Edge 10mm	0.339	0.072	0.227	0.041	0.041	0.411	0.380	0.607
	Level4	Ant.0	Right Edge 10mm	0.216	/	/	/	/	/	/	/
	Level4	Ant.0	Bottom Edge 10mm	0.103	/	/	/	/	/	/	/

Note:

1: The highest Summed 1g SAR is 1.221 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.5 Head Simultaneous Transmission SAR Evaluation for ENDC Mode

ED-DC Configuratoin	NR Ant.	Power Reduction	LTE Ant.	Power Reduction	Position	Stand alone SAR		
						NR Band	LTE Band	ENDC（LTE+NR）
7A+n5A	Ant.0	Level1	Ant.0	Level1	Left Cheek	0.006	0.116	0.122
		Level1		Level1	Left Tilt	0.004	0.075	0.079
		Level1		Level1	Right Cheek	0.010	0.211	0.221
		Level1		Level1	Right Tilt	0.005	0.120	0.125
7A+n5A	Ant.0	Level1	Ant.4	Level1	Left Cheek	0.006	0.213	0.219
		Level1		Level1	Left Tilt	0.004	0.092	0.096
		Level1		Level1	Right Cheek	0.010	0.402	0.412
		Level1		Level1	Right Tilt	0.005	0.224	0.229
7A+n5A	Ant.1	Level1	Ant.0	Level1	Left Cheek	0.471	0.116	0.587
		Level1		Level1	Left Tilt	0.358	0.075	0.433
		Level1		Level1	Right Cheek	0.589	0.211	0.800
		Level1		Level1	Right Tilt	0.383	0.120	0.503
7A+n5A	Ant.1	Level1	Ant.4	Level1	Left Cheek	0.471	0.213	0.684
		Level1		Level1	Left Tilt	0.358	0.092	0.450
		Level1		Level1	Right Cheek	0.589	0.402	0.991
		Level1		Level1	Right Tilt	0.383	0.224	0.607
66A+n5A	Ant.0	Level1	Ant.0	Level1	Left Cheek	0.006	0.105	0.111
		Level1		Level1	Left Tilt	0.004	0.016	0.020
		Level1		Level1	Right Cheek	0.010	0.051	0.061
		Level1		Level1	Right Tilt	0.005	0.010	0.015
66A+n5A	Ant.0	Level1	Ant.4	Level1	Left Cheek	0.006	0.321	0.327
		Level1		Level1	Left Tilt	0.004	0.138	0.142
		Level1		Level1	Right Cheek	0.010	0.493	0.503
		Level1		Level1	Right Tilt	0.005	0.208	0.213
66A+n5A	Ant.1	Level1	Ant.0	Level1	Left Cheek	0.471	0.105	0.576
		Level1		Level1	Left Tilt	0.358	0.016	0.374
		Level1		Level1	Right Cheek	0.589	0.051	0.640
		Level1		Level1	Right Tilt	0.383	0.010	0.393
66A+n5A	Ant.1	Level1	Ant.4	Level1	Left Cheek	0.471	0.321	0.792
		Level1		Level1	Left Tilt	0.358	0.138	0.496
		Level1		Level1	Right Cheek	0.589	0.493	**1.082**
		Level1		Level1	Right Tilt	0.383	0.208	0.591
5A+n7A	Ant.0	Level1	Ant.1	Level1	Left Cheek	0.121	0.291	0.412
		Level1		Level1	Left Tilt	0.056	0.278	0.334
		Level1		Level1	Right Cheek	0.177	0.418	0.595
		Level1		Level1	Right Tilt	0.108	0.409	0.517
5A+n7A	Ant.0	Level1	Ant.0	Level1	Left Cheek	0.121	0.124	0.245
		Level1		Level1	Left Tilt	0.056	0.069	0.125
		Level1		Level1	Right Cheek	0.177	0.097	0.274

		Level1		Level1	Right Tilt	0.108	0.053	0.161
5A+n7A	Ant.4	Level1	Ant.1	Level1	Left Cheek	0.195	0.291	0.486
		Level1		Level1	Left Tilt	0.076	0.278	0.354
		Level1		Level1	Right Cheek	0.311	0.418	0.729
		Level1		Level1	Right Tilt	0.103	0.409	0.512
5A+n7A	Ant.4	Level1	Ant.0	Level1	Left Cheek	0.195	0.124	0.319
		Level1		Level1	Left Tilt	0.076	0.069	0.145
		Level1		Level1	Right Cheek	0.311	0.097	0.408
		Level1		Level1	Right Tilt	0.103	0.053	0.156
66A+n7A	Ant.0	Level1	Ant.1	Level1	Left Cheek	0.121	0.483	0.604
		Level1		Level1	Left Tilt	0.056	0.527	0.583
		Level1		Level1	Right Cheek	0.177	0.676	0.853
		Level1		Level1	Right Tilt	0.108	0.684	0.792
66A+n7A	Ant.0	Level1	Ant.3	Level1	Left Cheek	0.121	0.007	0.128
		Level1		Level1	Left Tilt	0.056	0.001	0.057
		Level1		Level1	Right Cheek	0.177	0.001	0.178
		Level1		Level1	Right Tilt	0.108	0.000	0.108
66A+n7A	Ant.4	Level1	Ant.1	Level1	Left Cheek	0.195	0.483	0.678
		Level1		Level1	Left Tilt	0.076	0.527	0.603
		Level1		Level1	Right Cheek	0.311	0.676	0.987
		Level1		Level1	Right Tilt	0.103	0.684	0.787
66A+n7A	Ant.4	Level1	Ant.3	Level1	Left Cheek	0.195	0.007	0.202
		Level1		Level1	Left Tilt	0.076	0.001	0.077
		Level1		Level1	Right Cheek	0.311	0.001	0.312
		Level1		Level1	Right Tilt	0.103	0.000	0.103
26A+n41A	Ant.0	Level1	Ant.1	Level1	Left Cheek	0.072	0.492	0.564
		Level1		Level1	Left Tilt	0.050	0.508	0.558
		Level1		Level1	Right Cheek	0.133	0.724	0.857
		Level1		Level1	Right Tilt	0.050	0.698	0.748
26A+n41A	Ant.0	Level1	Ant.0	Level1	Left Cheek	0.072	0.166	0.238
		Level1		Level1	Left Tilt	0.050	0.041	0.091
		Level1		Level1	Right Cheek	0.133	0.084	0.217
		Level1		Level1	Right Tilt	0.050	0.039	0.089
26A+n41A	Ant.4	Level1	Ant.1	Level1	Left Cheek	0.174	0.492	0.666
		Level1		Level1	Left Tilt	0.074	0.508	0.582
		Level1		Level1	Right Cheek	0.265	0.724	0.989
		Level1		Level1	Right Tilt	0.114	0.698	0.812
26A+n41A	Ant.4	Level1	Ant.0	Level1	Left Cheek	0.174	0.166	0.340
		Level1		Level1	Left Tilt	0.074	0.041	0.115
		Level1		Level1	Right Cheek	0.265	0.084	0.349
		Level1		Level1	Right Tilt	0.114	0.039	0.153

Note:

1: The highest Summed 1g SAR is 1.082 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.6 Head Simultaneous Transmission SAR Evaluation for ENDC Mode with 2.4G WLAN and 5G WLAN

ED-DC Configuratoin	NR Ant.	Power Reduction	LTE Ant.	Power Reduction	Position	NR Band SAR	LTE Band SAR	Stand alone SAR					SUM SAR		
								1	2	3	4	5			
								ENDC (LTE+NR)	2.4GWIFI (Level2)	5GWIFI Max (Level2)	Bluetooth (Level3)	Bluetooth (Level4)	WWAN+2.4G WIFI	WWAN+BT	WWAN+5G WIFI+BT
									Ant.7	Ant.7	Ant.7	Ant.7	(1+2)	(1+4)	(1+3+5)
7A+n5A	Ant.0	Level2	Ant.0	Level2	Left Cheek	0.004	0.116	0.120	0.306	0.385	0.302	0.269	0.426	0.422	0.774
		Level2		Level2	Left Tilt	0.000	0.075	0.075	0.219	0.491	0.250	0.221	0.294	0.325	0.787
		Level2		Level2	Right Cheek	0.007	0.211	0.218	0.140	0.250	0.150	0.134	0.358	0.368	0.602
		Level2		Level2	Right Tilt	0.004	0.120	0.124	0.153	0.301	0.148	0.131	0.277	0.272	0.556
7A+n5A	Ant.0	Level2	Ant.4	Level2	Left Cheek	0.004	0.171	0.175	0.306	0.385	0.302	0.269	0.481	0.477	0.829
		Level2		Level2	Left Tilt	0.000	0.074	0.074	0.219	0.491	0.250	0.221	0.293	0.324	0.786
		Level2		Level2	Right Cheek	0.007	0.300	0.307	0.140	0.250	0.150	0.134	0.447	0.457	0.691
		Level2		Level2	Right Tilt	0.004	0.173	0.177	0.153	0.301	0.148	0.131	0.330	0.325	0.609
7A+n5A	Ant.1	Level2	Ant.0	Level2	Left Cheek	0.471	0.116	0.587	0.306	0.385	0.302	0.269	0.893	0.889	1.241
		Level2		Level2	Left Tilt	0.358	0.075	0.433	0.219	0.491	0.250	0.221	0.652	0.683	1.145
		Level2		Level2	Right Cheek	0.589	0.211	0.800	0.140	0.250	0.150	0.134	0.940	0.950	1.184
		Level2		Level2	Right Tilt	0.383	0.120	0.503	0.153	0.301	0.148	0.131	0.656	0.651	0.935
7A+n5A	Ant.1	Level2	Ant.4	Level2	Left Cheek	0.471	0.171	0.642	0.306	0.385	0.302	0.269	0.948	0.944	1.296
		Level2		Level2	Left Tilt	0.358	0.074	0.432	0.219	0.491	0.250	0.221	0.651	0.682	1.144
		Level2		Level2	Right Cheek	0.589	0.300	0.889	0.140	0.250	0.150	0.134	1.029	1.039	1.273
		Level2		Level2	Right Tilt	0.383	0.173	0.556	0.153	0.301	0.148	0.131	0.709	0.704	0.988
66A+n5A	Ant.0	Level2	Ant.0	Level2	Left Cheek	0.004	0.105	0.109	0.306	0.385	0.302	0.269	0.415	0.411	0.763
		Level2		Level2	Left Tilt	0.000	0.016	0.016	0.219	0.491	0.250	0.221	0.235	0.266	0.728
		Level2		Level2	Right Cheek	0.007	0.051	0.058	0.140	0.250	0.150	0.134	0.198	0.208	0.442
		Level2		Level2	Right Tilt	0.004	0.010	0.014	0.153	0.301	0.148	0.131	0.167	0.162	0.446
66A+n5A	Ant.0	Level2	Ant.4	Level2	Left Cheek	0.004	0.254	0.258	0.306	0.385	0.302	0.269	0.564	0.560	0.912
		Level2		Level2	Left Tilt	0.000	0.108	0.108	0.219	0.491	0.250	0.221	0.327	0.358	0.820
		Level2		Level2	Right Cheek	0.007	0.386	0.393	0.140	0.250	0.150	0.134	0.533	0.543	0.777
		Level2		Level2	Right Tilt	0.004	0.162	0.166	0.153	0.301	0.148	0.131	0.319	0.314	0.598
66A+n5A	Ant.1	Level2	Ant.0	Level2	Left Cheek	0.471	0.105	0.576	0.306	0.385	0.302	0.269	0.882	0.878	1.230
		Level2		Level2	Left Tilt	0.358	0.016	0.374	0.219	0.491	0.250	0.221	0.593	0.624	1.086
		Level2		Level2	Right Cheek	0.589	0.051	0.640	0.140	0.250	0.150	0.134	0.780	0.790	1.024
		Level2		Level2	Right Tilt	0.383	0.010	0.393	0.153	0.301	0.148	0.131	0.546	0.541	0.825
66A+n5A	Ant.1	Level2	Ant.4	Level2	Left Cheek	0.471	0.254	0.725	0.306	0.385	0.302	0.269	1.031	1.027	**1.379**
		Level2		Level2	Left Tilt	0.358	0.108	0.466	0.219	0.491	0.250	0.221	0.685	0.716	1.178
		Level2		Level2	Right Cheek	0.589	0.386	0.975	0.140	0.250	0.150	0.134	1.115	1.125	1.359
		Level2		Level2	Right Tilt	0.383	0.162	0.545	0.153	0.301	0.148	0.131	0.698	0.693	0.977
5A+n7A	Ant.0	Level2	Ant.1	Level2	Left Cheek	0.121	0.230	0.351	0.306	0.385	0.302	0.269	0.657	0.653	1.005
		Level2		Level2	Left Tilt	0.056	0.209	0.265	0.219	0.491	0.250	0.221	0.484	0.515	0.977

		Level2		Level2	Right Cheek	0.177	0.329	0.506	0.140	0.250	0.150	0.134	0.646	0.656	0.890
		Level2		Level2	Right Tilt	0.108	0.320	0.428	0.153	0.301	0.148	0.131	0.581	0.576	0.860
5A+n7A	Ant.0	Level2	Ant.0	Level2	Left Cheek	0.121	0.124	0.245	0.306	0.385	0.302	0.269	0.551	0.547	0.899
		Level2		Level2	Left Tilt	0.056	0.069	0.125	0.219	0.491	0.250	0.221	0.344	0.375	0.837
		Level2		Level2	Right Cheek	0.177	0.097	0.274	0.140	0.250	0.150	0.134	0.414	0.424	0.658
		Level2		Level2	Right Tilt	0.108	0.053	0.161	0.153	0.301	0.148	0.131	0.314	0.309	0.593
5A+n7A	Ant.4	Level2	Ant.1	Level2	Left Cheek	0.157	0.230	0.387	0.306	0.385	0.302	0.269	0.693	0.689	1.041
		Level2		Level2	Left Tilt	0.062	0.209	0.271	0.219	0.491	0.250	0.221	0.490	0.521	0.983
		Level2		Level2	Right Cheek	0.251	0.329	0.580	0.140	0.250	0.150	0.134	0.720	0.730	0.964
		Level2		Level2	Right Tilt	0.084	0.320	0.404	0.153	0.301	0.148	0.131	0.557	0.552	0.836
5A+n7A	Ant.4	Level2	Ant.0	Level2	Left Cheek	0.157	0.124	0.281	0.306	0.385	0.302	0.269	0.587	0.583	0.935
		Level2		Level2	Left Tilt	0.062	0.069	0.131	0.219	0.491	0.250	0.221	0.350	0.381	0.843
		Level2		Level2	Right Cheek	0.251	0.097	0.348	0.140	0.250	0.150	0.134	0.488	0.498	0.732
		Level2		Level2	Right Tilt	0.084	0.053	0.137	0.153	0.301	0.148	0.131	0.290	0.285	0.569
66A+n7A	Ant.0	Level2	Ant.1	Level2	Left Cheek	0.121	0.395	0.516	0.306	0.385	0.302	0.269	0.822	0.818	1.170
		Level2		Level2	Left Tilt	0.056	0.427	0.483	0.219	0.491	0.250	0.221	0.702	0.733	1.195
		Level2		Level2	Right Cheek	0.177	0.547	0.724	0.140	0.250	0.150	0.134	0.864	0.874	1.108
		Level2		Level2	Right Tilt	0.108	0.553	0.661	0.153	0.301	0.148	0.131	0.814	0.809	1.093
66A+n7A	Ant.0	Level2	Ant.3	Level2	Left Cheek	0.121	0.007	0.128	0.306	0.385	0.302	0.269	0.434	0.430	0.782
		Level2		Level2	Left Tilt	0.056	0.001	0.057	0.219	0.491	0.250	0.221	0.276	0.307	0.769
		Level2		Level2	Right Cheek	0.177	0.001	0.178	0.140	0.250	0.150	0.134	0.318	0.328	0.562
		Level2		Level2	Right Tilt	0.108	0.000	0.108	0.153	0.301	0.148	0.131	0.261	0.256	0.540
66A+n7A	Ant.4	Level2	Ant.1	Level2	Left Cheek	0.157	0.395	0.552	0.306	0.385	0.302	0.269	0.858	0.854	1.206
		Level2		Level2	Left Tilt	0.062	0.427	0.489	0.219	0.491	0.250	0.221	0.708	0.739	1.201
		Level2		Level2	Right Cheek	0.251	0.547	0.798	0.140	0.250	0.150	0.134	0.938	0.948	1.182
		Level2		Level2	Right Tilt	0.084	0.553	0.637	0.153	0.301	0.148	0.131	0.790	0.785	1.069
66A+n7A	Ant.4	Level2	Ant.3	Level2	Left Cheek	0.157	0.007	0.164	0.306	0.385	0.302	0.269	0.470	0.466	0.818
		Level2		Level2	Left Tilt	0.062	0.001	0.063	0.219	0.491	0.250	0.221	0.282	0.313	0.775
		Level2		Level2	Right Cheek	0.251	0.001	0.252	0.140	0.250	0.150	0.134	0.392	0.402	0.636
		Level2		Level2	Right Tilt	0.084	0.000	0.084	0.153	0.301	0.148	0.131	0.237	0.232	0.516
26A+n41A	Ant.0	Level2	Ant.1	Level2	Left Cheek	0.072	0.492	0.564	0.306	0.385	0.302	0.269	0.870	0.866	1.218
		Level2		Level2	Left Tilt	0.050	0.508	0.558	0.219	0.491	0.250	0.221	0.777	0.808	1.270
		Level2		Level2	Right Cheek	0.133	0.724	0.857	0.140	0.250	0.150	0.134	0.997	1.007	1.241
		Level2		Level2	Right Tilt	0.050	0.698	0.748	0.153	0.301	0.148	0.131	0.901	0.896	1.180
26A+n41A	Ant.0	Level2	Ant.0	Level2	Left Cheek	0.072	0.166	0.238	0.306	0.385	0.302	0.269	0.544	0.540	0.892
		Level2		Level2	Left Tilt	0.050	0.041	0.091	0.219	0.491	0.250	0.221	0.310	0.341	0.803
		Level2		Level2	Right Cheek	0.133	0.084	0.217	0.140	0.250	0.150	0.134	0.357	0.367	0.601
		Level2		Level2	Right Tilt	0.050	0.039	0.089	0.153	0.301	0.148	0.131	0.242	0.237	0.521
26A+n41A	Ant.4	Level2	Ant.1	Level2	Left Cheek	0.152	0.492	0.644	0.306	0.385	0.302	0.269	0.950	0.946	1.298
		Level2		Level2	Left Tilt	0.067	0.508	0.575	0.219	0.491	0.250	0.221	0.794	0.825	1.287
		Level2		Level2	Right Cheek	0.239	0.724	0.963	0.140	0.250	0.150	0.134	1.103	1.113	1.347
		Level2		Level2	Right Tilt	0.098	0.698	0.796	0.153	0.301	0.148	0.131	0.949	0.944	1.228
26A+n41A	Ant.4	Level2	Ant.0	Level2	Left Cheek	0.152	0.166	0.318	0.306	0.385	0.302	0.269	0.624	0.620	0.972

		Level2		Level2	Left Tilt	0.067	0.041	0.108	0.219	0.491	0.250	0.221	0.327	0.358	0.820
		Level2		Level2	Right Cheek	0.239	0.084	0.323	0.140	0.250	0.150	0.134	0.463	0.473	0.707
		Level2		Level2	Right Tilt	0.098	0.039	0.137	0.153	0.301	0.148	0.131	0.290	0.285	0.569

Note:

1: The highest Summed 1g SAR is 1.379 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.7 Body-Worn Simultaneous Transmission SAR Evaluation for ENDC Mode

ED-DC Configuratoin	NR Ant.	Power Reduction	LTE Ant.	Power Reduction	Position	Stand alone SAR		
						NR Band	LTE Band	ENDC（LTE+NR）
7A+n5A	Ant.0	Level3	Ant.0	Level3	Front Side 15mm	0.038	0.059	0.097
		Level3		Level3	Back Side 15mm	0.058	0.204	0.262
7A+n5A	Ant.0	Level3	Ant.4	Level3	Front Side 15mm	0.038	0.068	0.106
		Level3		Level3	Back Side 15mm	0.058	0.218	0.276
7A+n5A	Ant.1	Level3	Ant.0	Level3	Front Side 15mm	0.051	0.059	0.110
		Level3		Level3	Back Side 15mm	0.061	0.204	0.265
7A+n5A	Ant.1	Level3	Ant.4	Level3	Front Side 15mm	0.051	0.068	0.119
		Level3		Level3	Back Side 15mm	0.061	0.218	0.279
66A+n5A	Ant.0	Level3	Ant.0	Level3	Front Side 15mm	0.038	0.149	0.187
		Level3		Level3	Back Side 15mm	0.058	0.261	0.319
66A+n5A	Ant.0	Level3	Ant.4	Level3	Front Side 15mm	0.038	0.096	0.134
		Level3		Level3	Back Side 15mm	0.058	0.118	0.176
66A+n5A	Ant.1	Level3	Ant.0	Level3	Front Side 15mm	0.051	0.149	0.200
		Level3		Level3	Back Side 15mm	0.061	0.261	0.322
66A+n5A	Ant.1	Level3	Ant.4	Level3	Front Side 15mm	0.051	0.096	0.147
		Level3		Level3	Back Side 15mm	0.061	0.118	0.179
5A+n7A	Ant.0	Level3	Ant.1	Level3	Front Side 15mm	0.075	0.078	0.153
		Level3		Level3	Back Side 15mm	0.102	0.046	0.148
5A+n7A	Ant.0	Level3	Ant.0	Level3	Front Side 15mm	0.075	0.093	0.168
		Level3		Level3	Back Side 15mm	0.102	0.130	0.232
5A+n7A	Ant.4	Level3	Ant.1	Level3	Front Side 15mm	0.076	0.078	0.154
		Level3		Level3	Back Side 15mm	0.193	0.046	0.239
5A+n7A	Ant.4	Level3	Ant.0	Level3	Front Side 15mm	0.076	0.093	0.169
		Level3		Level3	Back Side 15mm	0.193	0.130	0.323
66A+n7A	Ant.0	Level3	Ant.1	Level3	Front Side 15mm	0.075	0.107	0.182
		Level3		Level3	Back Side 15mm	0.102	0.135	0.237
66A+n7A	Ant.0	Level3	Ant.3	Level3	Front Side 15mm	0.075	0.000	0.075
		Level3		Level3	Back Side 15mm	0.102	0.000	0.102
66A+n7A	Ant.4	Level3	Ant.1	Level3	Front Side 15mm	0.076	0.107	0.183
		Level3		Level3	Back Side 15mm	0.193	0.135	**0.328**
66A+n7A	Ant.4	Level3	Ant.3	Level3	Front Side 15mm	0.076	0.000	0.076
		Level3		Level3	Back Side 15mm	0.193	0.000	0.193
26A+n41A	Ant.0	Level3	Ant.1	Level3	Front Side 15mm	0.066	0.077	0.143
		Level3		Level3	Back Side 15mm	0.151	0.093	0.244
26A+n41A	Ant.0	Level3	Ant.0	Level3	Front Side 15mm	0.066	0.081	0.147
		Level3		Level3	Back Side 15mm	0.151	0.114	0.265
26A+n41A	Ant.4	Level3	Ant.1	Level3	Front Side 15mm	0.044	0.077	0.121
		Level3		Level3	Back Side 15mm	0.151	0.093	0.244
26A+n41A	Ant.4	Level3	Ant.0	Level3	Front Side 15mm	0.044	0.081	0.125

		Level3		Level3	Back Side 15mm	0.151	0.114	0.265

Note:

1: The highest Summed 1g SAR is 0.328 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.8 Body-Worn Simultaneous Transmission SAR Evaluation for ENDC Mode with 2.4G WLAN and 5G WLAN

ED-DC Configuratoin	NR Ant.	Power Reduction	LTE Ant.	Power Reduction	Position	NR Band SAR	LTE Band SAR	Stand alone SAR					SUM SAR		
								1	2	3	4	5			
								ENDC (LTE+NR)	2.4GWIFI (Level2)	5G WIFI Max (Level2)	Bluetooth (Level3)	Bluetooth (Level4)	WWAN+2.4G WIFI	WWAN+BT	WWAN+5G WIFI+BT
									Ant.7	Ant.7	Ant.7	Ant.7	(1+2)	(1+4)	(1+3+5)
7A+n5A	Ant.0	Level4	Ant.0	Level4	Front Side 15mm	0.038	0.046	0.084	0.058	0.073	0.029	0.029	0.142	0.113	0.186
		Level4		Level4	Back Side 15mm	0.058	0.150	0.208	0.081	0.182	0.037	0.037	0.289	0.245	0.427
7A+n5A	Ant.0	Level4	Ant.4	Level4	Front Side 15mm	0.038	0.055	0.093	0.058	0.073	0.029	0.029	0.151	0.122	0.195
		Level4		Level4	Back Side 15mm	0.058	0.175	0.233	0.081	0.182	0.037	0.037	0.314	0.270	0.452
7A+n5A	Ant.1	Level4	Ant.0	Level4	Front Side 15mm	0.051	0.046	0.097	0.058	0.073	0.029	0.029	0.155	0.126	0.199
		Level4		Level4	Back Side 15mm	0.049	0.150	0.199	0.081	0.182	0.037	0.037	0.280	0.236	0.418
7A+n5A	Ant.1	Level4	Ant.4	Level4	Front Side 15mm	0.051	0.055	0.106	0.058	0.073	0.029	0.029	0.164	0.135	0.208
		Level4		Level4	Back Side 15mm	0.049	0.175	0.224	0.081	0.182	0.037	0.037	0.305	0.261	0.443
66A+n5A	Ant.0	Level4	Ant.0	Level4	Front Side 15mm	0.038	0.053	0.091	0.058	0.073	0.029	0.029	0.149	0.120	0.193
		Level4		Level4	Back Side 15mm	0.058	0.097	0.155	0.081	0.182	0.037	0.037	0.236	0.192	0.374
66A+n5A	Ant.0	Level4	Ant.4	Level4	Front Side 15mm	0.038	0.079	0.117	0.058	0.073	0.029	0.029	0.175	0.146	0.219
		Level4		Level4	Back Side 15mm	0.058	0.096	0.154	0.081	0.182	0.037	0.037	0.235	0.191	0.373
66A+n5A	Ant.1	Level4	Ant.0	Level4	Front Side 15mm	0.051	0.053	0.104	0.058	0.073	0.029	0.029	0.162	0.133	0.206
		Level4		Level4	Back Side 15mm	0.049	0.097	0.146	0.081	0.182	0.037	0.037	0.227	0.183	0.365
66A+n5A	Ant.1	Level4	Ant.4	Level4	Front Side 15mm	0.051	0.079	0.130	0.058	0.073	0.029	0.029	0.188	0.159	0.232
		Level4		Level4	Back Side 15mm	0.049	0.096	0.145	0.081	0.182	0.037	0.037	0.226	0.182	0.364
5A+n7A	Ant.0	Level4	Ant.1	Level4	Front Side 15mm	0.062	0.078	0.140	0.058	0.073	0.029	0.029	0.198	0.169	0.242
		Level4		Level4	Back Side 15mm	0.083	0.046	0.129	0.081	0.182	0.037	0.037	0.210	0.166	0.348
5A+n7A	Ant.0	Level4	Ant.0	Level4	Front Side 15mm	0.062	0.093	0.155	0.058	0.073	0.029	0.029	0.213	0.184	0.257
		Level4		Level4	Back Side 15mm	0.083	0.130	0.213	0.081	0.182	0.037	0.037	0.294	0.250	0.432
5A+n7A	Ant.4	Level4	Ant.1	Level4	Front Side 15mm	0.061	0.078	0.139	0.058	0.073	0.029	0.029	0.197	0.168	0.241
		Level4		Level4	Back Side 15mm	0.158	0.046	0.204	0.081	0.182	0.037	0.037	0.285	0.241	0.423
5A+n7A	Ant.4	Level4	Ant.0	Level4	Front Side 15mm	0.061	0.093	0.154	0.058	0.073	0.029	0.029	0.212	0.183	0.256
		Level4		Level4	Back Side 15mm	0.158	0.130	0.288	0.081	0.182	0.037	0.037	0.369	0.325	0.507
66A+n7A	Ant.0	Level4	Ant.1	Level4	Front Side 15mm	0.062	0.098	0.160	0.058	0.073	0.029	0.029	0.218	0.189	0.262
		Level4		Level4	Back Side 15mm	0.083	0.135	0.218	0.081	0.182	0.037	0.037	0.299	0.255	0.437
66A+n7A	Ant.0	Level4	Ant.3	Level4	Front Side 15mm	0.062	0.000	0.062	0.058	0.073	0.029	0.029	0.120	0.091	0.164
		Level4		Level4	Back Side 15mm	0.083	0.000	0.083	0.081	0.182	0.037	0.037	0.164	0.120	0.302
66A+n7A	Ant.4	Level4	Ant.1	Level4	Front Side 15mm	0.061	0.098	0.159	0.058	0.073	0.029	0.029	0.217	0.188	0.261
		Level4		Level4	Back Side 15mm	0.158	0.135	0.293	0.081	0.182	0.037	0.037	0.374	0.330	**0.512**
66A+n7A	Ant.4	Level4	Ant.3	Level4	Front Side 15mm	0.061	0.000	0.061	0.058	0.073	0.029	0.029	0.119	0.090	0.163
		Level4		Level4	Back Side 15mm	0.158	0.000	0.158	0.081	0.182	0.037	0.037	0.239	0.195	0.377
26A+n41A	Ant.0	Level4	Ant.1	Level4	Front Side 15mm	0.061	0.077	0.138	0.058	0.073	0.029	0.029	0.196	0.167	0.240
		Level4		Level4	Back Side 15mm	0.135	0.093	0.228	0.081	0.182	0.037	0.037	0.309	0.265	0.447

26A+n41A	Ant.0	Level4	Ant.0	Level4	Front Side 15mm	0.061	0.081	0.142	0.058	0.073	0.029	0.029	0.200	0.171	0.244
		Level4		Level4	Back Side 15mm	0.135	0.114	0.249	0.081	0.182	0.037	0.037	0.330	0.286	0.468
26A+n41A	Ant.4	Level4	Ant.1	Level4	Front Side 15mm	0.027	0.077	0.104	0.058	0.073	0.029	0.029	0.162	0.133	0.206
		Level4		Level4	Back Side 15mm	0.093	0.093	0.186	0.081	0.182	0.037	0.037	0.267	0.223	0.405
26A+n41A	Ant.4	Level4	Ant.0	Level4	Front Side 15mm	0.027	0.081	0.108	0.058	0.073	0.029	0.029	0.166	0.137	0.210
		Level4		Level4	Back Side 15mm	0.093	0.114	0.207	0.081	0.182	0.037	0.037	0.288	0.244	0.426

Note:

1: The highest Summed 1g SAR is 0.512 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.9 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN 2.4G and WLAN 5G

ED-DC Configuratoin	NR Ant.	Power Reduction	LTE Ant.	Power Reduction	Position	NR Band SAR	LTE Band SAR	Stand alone SAR					SUM SAR		
								1	2	3	4	5			
								ENDC (LTE+NR)	2.4GWIFI (Level2)	5GWIFI Max (Level2)	Bluetooth (Level3)	Bluetooth (Level4)	WWAN+ 2.4G WIFI	WWAN+ BT	WWAN +5G WIFI+BT
									Ant.7	Ant.7	Ant.7	Ant.7	(1+2)	(1+4)	(1+3+5)
7A+n5A	Ant.0	Level4	Ant.0	Level4	Front Side 10mm	0.054	0.081	0.135	0.102	0.116	0.059	0.059	0.237	0.194	0.310
		Level4		Level4	Back Side 10mm	0.094	0.283	0.377	0.134	0.266	0.072	0.072	0.511	0.449	0.715
		Level4		Level4	Left Edge 10mm	0.034	0.068	0.102	0.072	0.227	0.041	0.041	0.174	0.143	0.370
		Level4		Level4	Right Edge 10mm	0.042	0.008	0.050	/	/	/	/	0.050	0.050	0.050
		Level4		Level4	Top Edge 10mm	/	/	/	0.136	0.199	0.072	0.072	0.136	0.072	0.271
		Level4		Level4	Bottom Edge 10mm	0.080	0.110	0.190	/	/	/	/	0.080	0.110	0.190
7A+n5A	Ant.0	Level4	Ant.4	Level4	Front Side 10mm	0.054	0.108	0.162	0.102	0.116	0.059	0.059	0.264	0.221	0.337
		Level4		Level4	Back Side 10mm	0.094	0.418	0.512	0.134	0.266	0.072	0.072	0.646	0.584	0.850
		Level4		Level4	Left Edge 10mm	0.034	/	0.034	0.072	0.227	0.041	0.041	0.106	0.075	0.302
		Level4		Level4	Right Edge 10mm	0.042	0.294	0.336	/	/	/	/	0.042	0.294	0.336
		Level4		Level4	Top Edge 10mm	/	0.338	0.338	0.136	0.199	0.072	0.072	0.474	0.410	0.609
		Level4		Level4	Bottom Edge 10mm	0.080	/	0.080	/	/	/	/	0.080	/	0.080
7A+n5A	Ant.1	Level4	Ant.0	Level4	Front Side 10mm	0.071	0.081	0.152	0.102	0.116	0.059	0.059	0.254	0.211	0.327
		Level4		Level4	Back Side 10mm	0.063	0.283	0.346	0.134	0.266	0.072	0.072	0.480	0.418	0.684
		Level4		Level4	Left Edge 10mm	/	0.068	0.068	0.072	0.227	0.041	0.041	0.140	0.109	0.336
		Level4		Level4	Right Edge 10mm	0.027	0.008	0.035	/	/	/	/	0.027	0.008	0.035
		Level4		Level4	Top Edge 10mm	0.053	/	0.053	0.136	0.199	0.072	0.072	0.189	0.125	0.324
		Level4		Level4	Bottom Edge 10mm	/	0.110	0.110	/	/	/	/	/	0.110	0.110
7A+n5A	Ant.1	Level4	Ant.4	Level4	Front Side 10mm	0.071	0.108	0.179	0.102	0.116	0.059	0.059	0.281	0.238	0.354
		Level4		Level4	Back Side 10mm	0.063	0.418	0.481	0.134	0.266	0.072	0.072	0.615	0.553	0.819
		Level4		Level4	Left Edge 10mm	/	/	/	0.072	0.227	0.041	0.041	0.072	0.041	0.268
		Level4		Level4	Right Edge 10mm	0.027	0.294	0.321	/	/	/	/	0.027	0.294	0.321
		Level4		Level4	Top Edge 10mm	0.053	0.338	0.391	0.136	0.199	0.072	0.072	0.527	0.463	0.662
		Level4		Level4	Bottom Edge 10mm	/	/	/	/	/	/	/	/	/	/
66A+n5A	Ant.0	Level4	Ant.0	Level4	Front Side 10mm	0.054	0.133	0.187	0.102	0.116	0.059	0.059	0.289	0.246	0.362
		Level4		Level4	Back Side 10mm	0.094	0.238	0.332	0.134	0.266	0.072	0.072	0.466	0.404	0.670
		Level4		Level4	Left Edge 10mm	0.034	0.061	0.095	0.072	0.227	0.041	0.041	0.167	0.136	0.363
		Level4		Level4	Right Edge 10mm	0.042	0.029	0.071	/	/	/	/	0.042	0.029	0.071
		Level4		Level4	Top Edge 10mm	/	/	/	0.136	0.199	0.072	0.072	0.136	0.072	0.271
		Level4		Level4	Bottom Edge 10mm	0.080	0.367	0.447	/	/	/	/	0.080	0.367	0.447
66A+n5A	Ant.0	Level4	Ant.4	Level4	Front Side 10mm	0.054	0.020	0.074	0.102	0.116	0.059	0.059	0.176	0.133	0.249
		Level4		Level4	Back Side 10mm	0.094	0.187	0.281	0.134	0.266	0.072	0.072	0.415	0.353	0.619
		Level4		Level4	Left Edge 10mm	0.034	/	0.034	0.072	0.227	0.041	0.041	0.106	0.075	0.302
		Level4		Level4	Right Edge 10mm	0.042	0.058	0.100	/	/	/	/	0.042	0.058	0.100

		Level4		Level4	Top Edge 10mm	/	0.120	0.120	0.136	0.199	0.072	0.072	0.256	0.192	0.391
		Level4		Level4	Bottom Edge 10mm	0.080	/	0.080	/	/	/	/	0.080	/	0.080
66A+n5A	Ant.1	Level4	Ant.0	Level4	Front Side 10mm	0.071	0.133	0.204	0.102	0.116	0.059	0.059	0.306	0.263	0.379
		Level4		Level4	Back Side 10mm	0.063	0.238	0.301	0.134	0.266	0.072	0.072	0.435	0.373	0.639
		Level4		Level4	Left Edge 10mm	/	0.061	0.061	0.072	0.227	0.041	0.041	0.133	0.102	0.329
		Level4		Level4	Right Edge 10mm	0.027	0.029	0.056	/	/	/	/	0.027	0.029	0.056
		Level4		Level4	Top Edge 10mm	0.053	/	0.053	0.136	0.199	0.072	0.072	0.189	0.125	0.324
		Level4		Level4	Bottom Edge 10mm	/	0.367	0.367	/	/	/	/	/	0.367	0.367
66A+n5A	Ant.1	Level4	Ant.4	Level4	Front Side 10mm	0.071	0.020	0.091	0.102	0.116	0.059	0.059	0.193	0.150	0.266
		Level4		Level4	Back Side 10mm	0.063	0.187	0.250	0.134	0.266	0.072	0.072	0.384	0.322	0.588
		Level4		Level4	Left Edge 10mm	/	/	/	0.072	0.227	0.041	0.041	0.072	0.041	0.268
		Level4		Level4	Right Edge 10mm	0.027	0.058	0.085	/	/	/	/	0.027	0.058	0.085
		Level4		Level4	Top Edge 10mm	0.053	0.120	0.173	0.136	0.199	0.072	0.072	0.309	0.245	0.444
		Level4		Level4	Bottom Edge 10mm	/	/	/	/	/	/	/	/	/	/
5A+n7A	Ant.0	Level4	Ant.1	Level4	Front Side 10mm	0.088	0.131	0.219	0.102	0.116	0.059	0.059	0.321	0.278	0.394
		Level4		Level4	Back Side 10mm	0.150	0.088	0.238	0.134	0.266	0.072	0.072	0.372	0.310	0.576
		Level4		Level4	Left Edge 10mm	0.099	/	0.099	0.072	0.227	0.041	0.041	0.171	0.140	0.367
		Level4		Level4	Right Edge 10mm	0.027	0.030	0.057	/	/	/	/	0.027	0.030	0.057
		Level4		Level4	Top Edge 10mm	/	0.092	0.092	0.136	0.199	0.072	0.072	0.228	0.164	0.363
		Level4		Level4	Bottom Edge 10mm	0.090	/	0.090	/	/	/	/	0.090	/	0.090
5A+n7A	Ant.0	Level4	Ant.0	Level4	Front Side 10mm	0.088	0.071	0.159	0.102	0.116	0.059	0.059	0.261	0.218	0.334
		Level4		Level4	Back Side 10mm	0.150	0.115	0.265	0.134	0.266	0.072	0.072	0.399	0.337	0.603
		Level4		Level4	Left Edge 10mm	0.099	0.059	0.158	0.072	0.227	0.041	0.041	0.230	0.199	0.426
		Level4		Level4	Right Edge 10mm	0.027	0.087	0.114	/	/	/	/	0.027	0.087	0.114
		Level4		Level4	Top Edge 10mm	/	/	/	0.136	0.199	0.072	0.072	0.136	0.072	0.271
		Level4		Level4	Bottom Edge 10mm	0.090	0.073	0.163	/	/	/	/	0.090	0.073	0.163
5A+n7A	Ant.4	Level4	Ant.1	Level4	Front Side 10mm	0.097	0.131	0.228	0.102	0.116	0.059	0.059	0.330	0.287	0.403
		Level4		Level4	Back Side 10mm	0.341	0.088	0.429	0.134	0.266	0.072	0.072	0.563	0.501	0.767
		Level4		Level4	Left Edge 10mm	/	/	/	0.072	0.227	0.041	0.041	0.072	0.041	0.268
		Level4		Level4	Right Edge 10mm	0.165	0.030	0.195	/	/	/	/	0.165	0.030	0.195
		Level4		Level4	Top Edge 10mm	0.055	0.092	0.147	0.136	0.199	0.072	0.072	0.283	0.219	0.418
		Level4		Level4	Bottom Edge 10mm	/	/	/	/	/	/	/	/	/	/
5A+n7A	Ant.4	Level4	Ant.0	Level4	Front Side 10mm	0.097	0.071	0.168	0.102	0.116	0.059	0.059	0.270	0.227	0.343
		Level4		Level4	Back Side 10mm	0.341	0.115	0.456	0.134	0.266	0.072	0.072	0.590	0.528	0.794
		Level4		Level4	Left Edge 10mm	/	0.059	0.059	0.072	0.227	0.041	0.041	0.131	0.100	0.327
		Level4		Level4	Right Edge 10mm	0.165	0.087	0.252	/	/	/	/	0.165	0.087	0.252
		Level4		Level4	Top Edge 10mm	0.055	/	0.055	0.136	0.199	0.072	0.072	0.191	0.127	0.326
		Level4		Level4	Bottom Edge 10mm	/	0.073	0.073	/	/	/	/	/	0.073	0.073
66A+n7A	Ant.0	Level4	Ant.1	Level4	Front Side 10mm	0.088	0.198	0.286	0.102	0.116	0.059	0.059	0.388	0.345	0.461
		Level4		Level4	Back Side 10mm	0.150	0.201	0.351	0.134	0.266	0.072	0.072	0.485	0.423	0.689
		Level4		Level4	Left Edge 10mm	0.099	/	0.099	0.072	0.227	0.041	0.041	0.171	0.140	0.367
		Level4		Level4	Right Edge 10mm	0.027	0.059	0.086	/	/	/	/	0.027	0.059	0.086
		Level4		Level4	Top Edge 10mm	/	0.253	0.253	0.136	0.199	0.072	0.072	0.389	0.325	0.524

		Level4		Level4	Bottom Edge 10mm	0.090	/	0.090	/	/	/	/	0.090	/	0.090
66A+n7A	Ant.0	Level4	Ant.3	Level4	Front Side 10mm	0.088	0.001	0.089	0.102	0.116	0.059	0.059	0.191	0.148	0.264
		Level4		Level4	Back Side 10mm	0.150	0.004	0.154	0.134	0.266	0.072	0.072	0.288	0.226	0.492
		Level4		Level4	Left Edge 10mm	0.099	0.001	0.100	0.072	0.227	0.041	0.041	0.172	0.141	0.368
		Level4		Level4	Right Edge 10mm	0.027	/	0.027	/	/	/	/	0.027	/	0.027
		Level4		Level4	Top Edge 10mm	/	0.000	/	0.136	0.199	0.072	0.072	0.136	0.072	0.271
		Level4		Level4	Bottom Edge 10mm	0.090	/	0.090	/	/	/	/	0.090	/	0.090
66A+n7A	Ant.4	Level4	Ant.1	Level4	Front Side 10mm	0.097	0.198	0.295	0.102	0.116	0.059	0.059	0.397	0.354	0.470
		Level4		Level4	Back Side 10mm	0.341	0.201	0.542	0.134	0.266	0.072	0.072	0.676	0.614	**0.880**
		Level4		Level4	Left Edge 10mm	/	/	/	0.072	0.227	0.041	0.041	0.072	0.041	0.268
		Level4		Level4	Right Edge 10mm	0.165	0.059	0.224	/	/	/	/	0.165	0.059	0.224
		Level4		Level4	Top Edge 10mm	0.055	0.253	0.308	0.136	0.199	0.072	0.072	0.444	0.380	0.579
		Level4		Level4	Bottom Edge 10mm	/	/	/	/	/	/	/	/	/	/
66A+n7A	Ant.4	Level4	Ant.3	Level4	Front Side 10mm	0.097	0.001	0.098	0.102	0.116	0.059	0.059	0.200	0.157	0.273
		Level4		Level4	Back Side 10mm	0.341	0.004	0.345	0.134	0.266	0.072	0.072	0.479	0.417	0.683
		Level4		Level4	Left Edge 10mm	/	0.001	/	0.072	0.227	0.041	0.041	0.072	0.041	0.268
		Level4		Level4	Right Edge 10mm	0.165	/	0.165	/	/	/	/	0.165	/	0.165
		Level4		Level4	Top Edge 10mm	0.055	0.000	0.055	0.136	0.199	0.072	0.072	0.191	0.127	0.326
		Level4		Level4	Bottom Edge 10mm	/	/	/	/	/	/	/	/	/	/
26A+n41A	Ant.0	Level4	Ant.1	Level4	Front Side 10mm	0.131	0.099	0.230	0.102	0.116	0.059	0.059	0.332	0.289	0.405
		Level4		Level4	Back Side 10mm	0.268	0.148	0.416	0.134	0.266	0.072	0.072	0.550	0.488	0.754
		Level4		Level4	Left Edge 10mm	0.184	/	0.184	0.072	0.227	0.041	0.041	0.256	0.225	0.452
		Level4		Level4	Right Edge 10mm	0.093	0.055	0.148	/	/	/	/	0.093	0.055	0.148
		Level4		Level4	Top Edge 10mm	/	0.128	0.128	0.136	0.199	0.072	0.072	0.264	0.200	0.399
		Level4		Level4	Bottom Edge 10mm	0.062	/	0.062	/	/	/	/	0.062	/	0.062
26A+n41A	Ant.0	Level4	Ant.0	Level4	Front Side 10mm	0.131	0.081	0.212	0.102	0.116	0.059	0.059	0.314	0.271	0.387
		Level4		Level4	Back Side 10mm	0.268	0.167	0.435	0.134	0.266	0.072	0.072	0.569	0.507	0.773
		Level4		Level4	Left Edge 10mm	0.184	0.048	0.232	0.072	0.227	0.041	0.041	0.304	0.273	0.500
		Level4		Level4	Right Edge 10mm	0.093	0.081	0.174	/	/	/	/	0.093	0.081	0.174
		Level4		Level4	Top Edge 10mm	/	/	/	0.136	0.199	0.072	0.072	0.136	0.072	0.271
		Level4		Level4	Bottom Edge 10mm	0.062	0.110	0.172	/	/	/	/	0.062	0.110	0.172
26A+n41A	Ant.4	Level4	Ant.1	Level4	Front Side 10mm	0.055	0.099	0.154	0.102	0.116	0.059	0.059	0.256	0.213	0.329
		Level4		Level4	Back Side 10mm	0.195	0.148	0.343	0.134	0.266	0.072	0.072	0.477	0.415	0.681
		Level4		Level4	Left Edge 10mm	/	/	/	0.072	0.227	0.041	0.041	0.072	0.041	0.268
		Level4		Level4	Right Edge 10mm	0.124	0.055	0.179	/	/	/	/	0.124	0.055	0.179
		Level4		Level4	Top Edge 10mm	0.031	0.128	0.159	0.136	0.199	0.072	0.072	0.295	0.231	0.430
		Level4		Level4	Bottom Edge 10mm	/	/	/	/	/	/	/	/	/	/
26A+n41A	Ant.4	Level4	Ant.0	Level4	Front Side 10mm	0.055	0.081	0.136	0.102	0.116	0.059	0.059	0.238	0.195	0.311
		Level4		Level4	Back Side 10mm	0.195	0.167	0.362	0.134	0.266	0.072	0.072	0.496	0.434	0.700
		Level4		Level4	Left Edge 10mm	/	0.048	0.048	0.072	0.227	0.041	0.041	0.120	0.089	0.316
		Level4		Level4	Right Edge 10mm	0.124	0.081	0.205	/	/	/	/	0.124	0.081	0.205
		Level4		Level4	Top Edge 10mm	0.031	/	0.031	0.136	0.199	0.072	0.072	0.167	0.103	0.302
		Level4		Level4	Bottom Edge 10mm	/	0.110	0.110	/	/	/	/	/	0.110	0.110

Note:

1: The highest Summed 1g SAR is 0.880 W/Kg < 1.6 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: 7663	2021/07/23	2022/07/22
Data Acquisition Electronics	Speag	DAE4	SN: 878	2021/07/15	2022/07/14
Data Acquisition Electronics	Speag	DAE4	SN: 1454	2021/11/05	2022/11/04
Signal Generator	R&S	SMB100A	177746	2021/08/24	2022/08/23
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2021/09/08	2022/09/07
Power Sensor	R&S	NRV-Z4	100381	2021/09/08	2022/09/07
Power Sensor	R&S	NRV-Z2	100211	2021/09/08	2022/09/07
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2021/01/04	2023/01/03
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2021/01/04	2023/01/03
Network Analyzer	Agilent	E5071C	MY46103472	2021/12/29	2022/12/28
Thermometer	Elitech	RC-4HC	EF720B004820	2021/12/01	2022/11/30
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	SPEAG	DAK3.5	SN: 1312	N/A	N/A
Phantom1	Speag	SAM	SN: 1392	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 (%)
2022.06.01	Head	750	21.6	0.88	42.12	0.89	41.94	-1.12	0.43
2022.06.02	Head	750	21.8	0.90	42.79	0.89	41.94	1.12	2.03
2022.06.03	Head	750	21.2	0.91	42.36	0.89	41.94	2.25	1.00
2022.06.04	Head	750	21.8	0.90	42.44	0.89	41.94	1.12	1.19
2022.06.05	Head	750	21.3	0.88	41.23	0.89	41.94	-1.12	-1.69
2022.06.06	Head	750	21.5	0.87	43.03	0.89	41.94	-2.25	2.60
2022.06.07	Head	835	21.7	0.91	41.93	0.90	41.50	1.11	1.04
2022.06.08	Head	835	21.2	0.90	40.73	0.90	41.50	0.00	-1.86
2022.06.09	Head	835	21.8	0.89	40.47	0.90	41.50	-1.11	-2.48
2022.06.10	Head	835	21.6	0.90	42.81	0.90	41.50	0.00	3.16
2022.06.11	Head	835	21.1	0.91	41.61	0.90	41.50	1.11	0.27
2022.06.12	Head	835	21.8	0.90	41.28	0.90	41.50	0.00	-0.53
2022.06.13	Head	835	21.8	0.91	40.57	0.90	41.50	1.11	-2.24
2022.06.14	Head	835	21.4	0.92	41.50	0.90	41.50	2.22	0.00
2022.07.08	Head	835	21.7	0.87	42.83	0.90	41.50	-3.33	3.20
2022.06.15	Head	1750	21.1	1.40	39.15	1.37	40.08	2.19	-2.32
2022.06.16	Head	1750	21.2	1.34	39.42	1.37	40.08	-2.19	-1.65
2022.06.17	Head	1750	21.9	1.39	40.84	1.37	40.08	1.46	1.90
2022.06.18	Head	1750	21.4	1.40	38.86	1.37	40.08	2.19	-3.04
2022.06.19	Head	1750	21.5	1.37	40.92	1.37	40.08	0.00	2.10
2022.06.20	Head	1750	21.9	1.35	39.73	1.37	40.08	-1.46	-0.87
2022.06.21	Head	1750	21.8	1.38	40.59	1.37	40.08	0.73	1.27
2022.07.10	Head	1750	21.5	1.36	41.24	1.37	40.08	-0.73	2.89
2022.06.01	Head	1900	21.1	1.39	40.28	1.40	40.00	-0.71	0.70
2022.06.02	Head	1900	21.6	1.37	40.59	1.40	40.00	-2.14	1.48
2022.06.03	Head	1900	21.4	1.36	40.71	1.40	40.00	-2.86	1.78
2022.06.04	Head	1900	21.3	1.41	40.31	1.40	40.00	0.71	0.78
2022.06.05	Head	1900	21.3	1.40	39.32	1.40	40.00	0.00	-1.70
2022.07.11	Head	1900	21.1	1.42	40.68	1.40	40.00	1.43	1.70
2022.06.25	Head	2450	21.2	1.76	39.36	1.80	39.20	-2.22	0.41
2022.07.03	Head	2600	21.9	1.97	38.93	1.96	39.01	0.51	-0.21
2022.07.04	Head	2600	21.5	1.91	39.55	1.96	39.01	-2.55	1.38
2022.06.25	Head	2600	21.2	1.98	38.74	1.96	39.01	1.02	-0.69

2022.06.24	Head	2600	21.2	1.95	38.97	1.96	39.01	-0.51	-0.10
2022.07.01	Head	2600	21.5	1.94	39.73	1.96	39.01	-1.02	1.85
2022.06.30	Head	2600	21.9	1.94	38.30	1.96	39.01	-1.02	-1.82
2022.06.29	Head	2600	21.9	1.93	39.19	1.96	39.01	-1.53	0.46
2022.06.28	Head	2600	21.2	1.91	37.82	1.96	39.01	-2.55	-3.05
2022.06.27	Head	2600	21.3	1.99	38.16	1.96	39.01	1.53	-2.18
2022.06.26	Head	2600	21.4	1.94	38.84	1.96	39.01	-1.02	-0.44
2022.07.02	Head	2600	21.4	1.94	39.38	1.96	39.01	-1.02	0.95
2022.07.12	Head	2600	21.8	1.91	39.24	1.96	39.01	-2.55	0.59
2022.06.22	Head	5250	21.5	4.78	37.10	4.66	35.99	2.58	3.08
2022.06.23	Head	5600	21.3	5.07	34.41	5.07	35.53	0.00	-3.15
2022.06.24	Head	5750	21.4	5.32	36.17	5.27	35.30	0.95	2.46
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 (%)
2022.06.01	Head	750	100	0.831	8.31	8.29	0.24
2022.06.02	Head	750	100	0.859	8.59	8.29	3.62
2022.06.03	Head	750	100	0.811	8.11	8.29	-2.17
2022.06.04	Head	750	100	0.825	8.25	8.29	-0.48
2022.06.05	Head	750	100	0.843	8.43	8.29	1.69
2022.06.06	Head	750	100	0.809	8.09	8.29	-2.41
2022.06.07	Head	835	100	0.941	9.41	9.76	-3.59
2022.06.08	Head	835	100	0.999	9.99	9.76	2.36
2022.06.09	Head	835	100	0.985	9.85	9.76	0.92
2022.06.10	Head	835	100	0.988	9.88	9.76	1.23
2022.06.11	Head	835	100	0.948	9.48	9.76	-2.87
2022.06.12	Head	835	100	0.955	9.55	9.76	-2.15
2022.06.13	Head	835	100	0.978	9.78	9.76	0.20
2022.06.14	Head	835	100	0.992	9.92	9.76	1.64
2022.07.08	Head	835	100	0.945	9.45	9.76	-3.18
2022.06.15	Head	1750	100	3.550	35.50	36.70	-3.27
2022.06.16	Head	1750	100	3.790	37.90	36.70	3.27
2022.06.17	Head	1750	100	3.660	36.60	36.70	-0.27
2022.06.18	Head	1750	100	3.770	37.70	36.70	2.72
2022.06.19	Head	1750	100	3.590	35.90	36.70	-2.18
2022.06.20	Head	1750	100	3.620	36.20	36.70	-1.36
2022.06.21	Head	1750	100	3.760	37.60	36.70	2.45
2022.07.10	Head	1750	100	3.770	37.70	36.70	2.27
2022.06.01	Head	1900	100	4.190	41.90	40.30	3.97
2022.06.02	Head	1900	100	3.890	38.90	40.30	-3.47
2022.06.03	Head	1900	100	4.110	41.10	40.30	1.99
2022.06.04	Head	1900	100	3.950	39.50	40.30	-1.99
2022.06.05	Head	1900	100	3.990	39.90	40.30	-0.99
2022.07.11	Head	1900	100	3.940	39.40	40.30	-2.23
2022.06.25	Head	2450	100	5.100	51.00	53.00	-3.77
2022.07.03	Head	2600	100	5.880	58.80	56.80	3.52
2022.07.04	Head	2600	100	5.480	54.80	56.80	-3.52
2022.06.25	Head	2600	100	5.610	56.10	56.80	-1.23
2022.06.24	Head	2600	100	5.860	58.60	56.80	3.17
2022.07.01	Head	2600	100	5.810	58.10	56.80	2.29

2022.06.30	Head	2600	100	5.770	57.70	56.80	1.58
2022.06.29	Head	2600	100	5.550	55.50	56.80	-2.29
2022.06.28	Head	2600	100	5.590	55.90	56.80	-1.58
2022.06.27	Head	2600	100	5.720	57.20	56.80	0.70
2022.06.26	Head	2600	100	5.830	58.30	56.80	2.64
2022.07.02	Head	2600	100	5.760	57.60	56.80	1.41
2022.07.12	Head	2600	100	5.550	55.50	56.80	-2.29
2022.06.22	Head	5250	100	7.730	77.30	77.80	-0.64
2022.06.23	Head	5600	100	8.230	82.30	81.20	1.35
2022.06.24	Head	5750	100	7.730	77.30	77.20	0.13
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2022.06.22	5250	100	2.200	22.00	22.10	-0.45
2022.06.24	5600	100	2.210	22.10	23.10	-4.33
Note: The tolerance limit of System validation ±10%.						

System Performance Check Data (750MHz Head)

Date: 2022.06.01

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.88 S/m; ε_r = 42.116; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1°C Liquid Temperature:21.6°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.955 W/kg

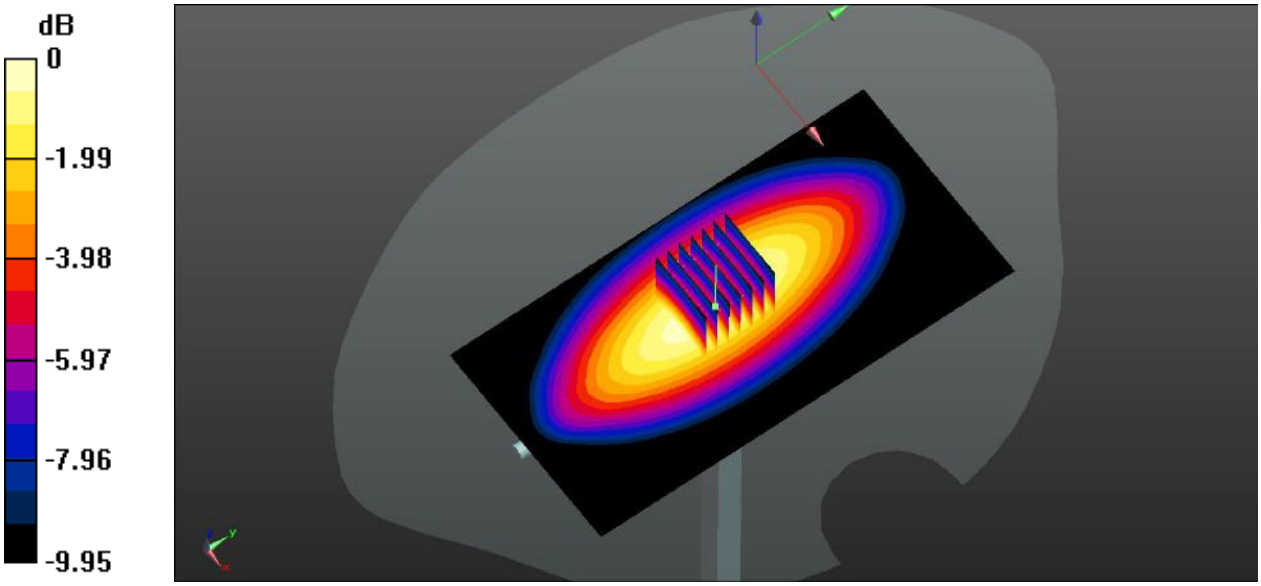
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.21 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.543 W/kg

Maximum value of SAR (measured) = 0.956 W/kg



0 dB = 0.956 W/kg

System Performance Check Data (750MHz Head)

Date: 2022.06.02

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.902 S/m; ε_r = 42.786; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4°C Liquid Temperature:21.8°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.988 W/kg

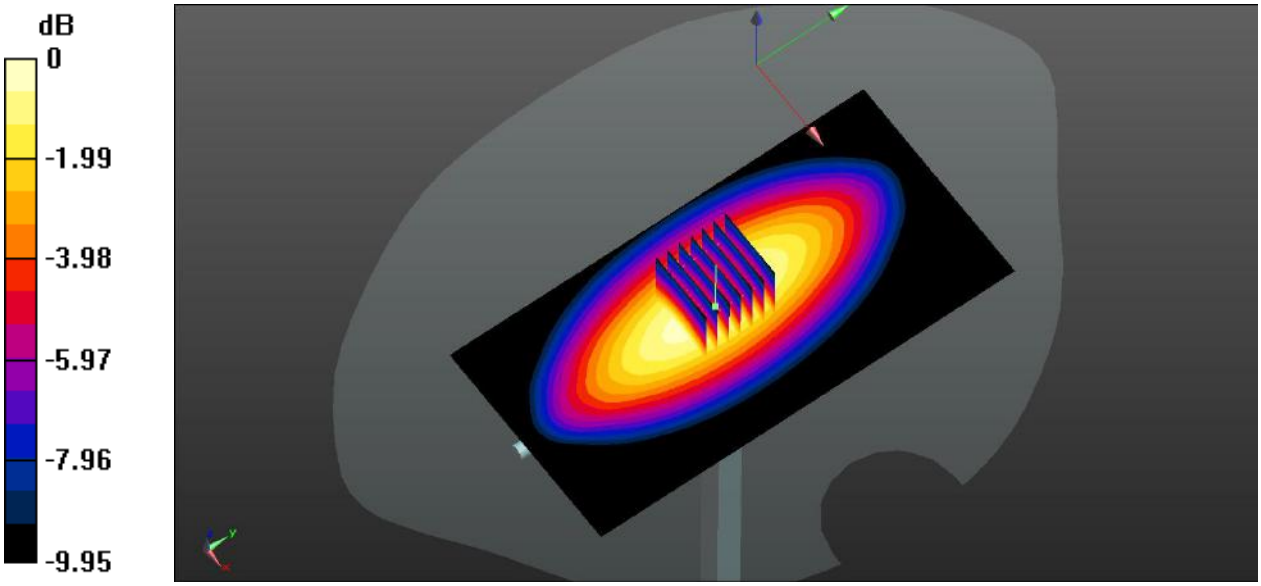
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.41 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.859 W/kg; SAR(10 g) = 0.557 W/kg

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



0 dB = 0.936 W/kg

System Performance Check Data (750MHz Head)

Date: 2022.06.03

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.911 S/m; εr = 42.359; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.7°C Liquid Temperature:21.2°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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

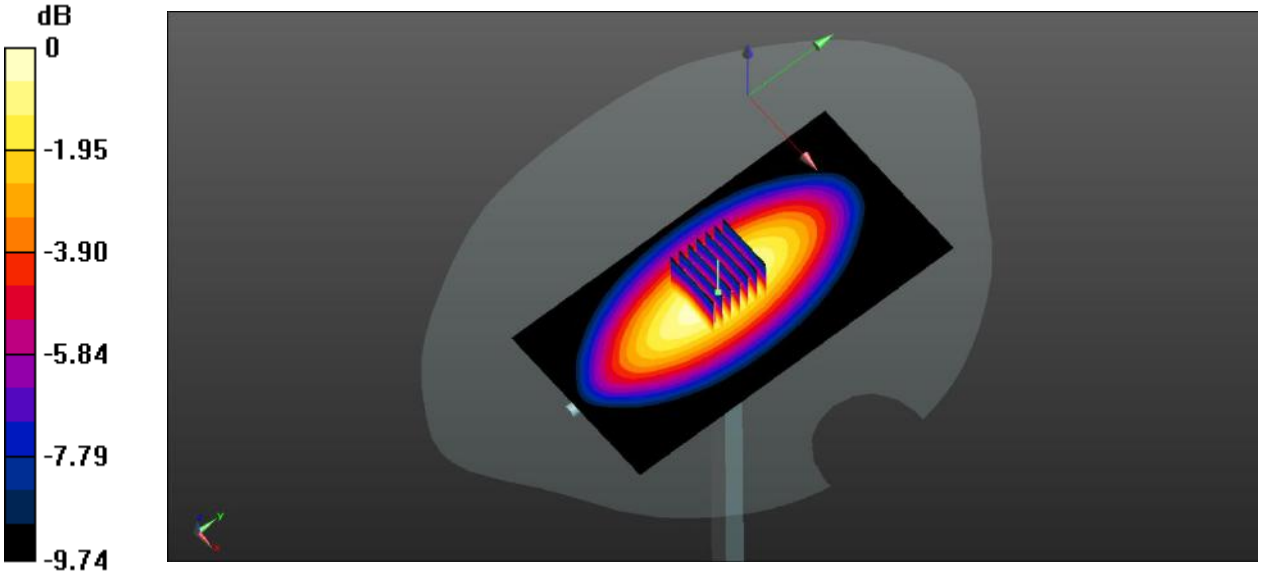
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.85 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.523 W/kg

Maximum value of SAR (measured) = 0.979 W/kg



0 dB = 0.979 W/kg

System Performance Check Data (750MHz Head)

Date: 2022.06.04

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.897 S/m; ε_r = 42.443; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9°C Liquid Temperature:21.8°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.883 W/kg

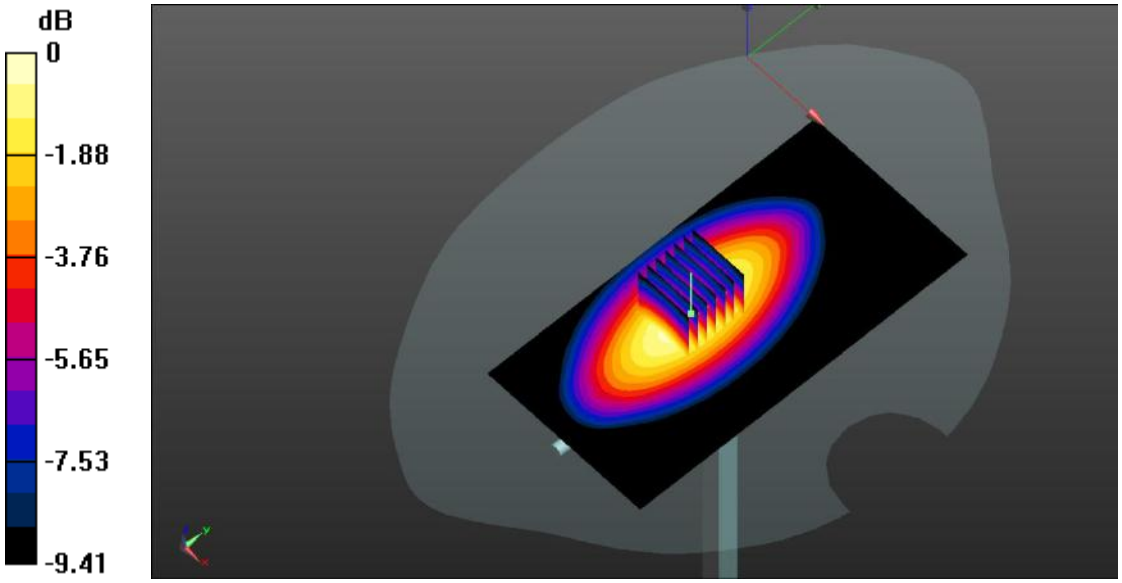
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.52 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.825 W/kg; SAR(10 g) = 0.534 W/kg

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



0 dB = 0.882 W/kg

System Performance Check Data (750MHz Head)

Date: 2022.06.05

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.875 S/m; εr = 41.225; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.4°C Liquid Temperature:21.3°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.922 W/kg

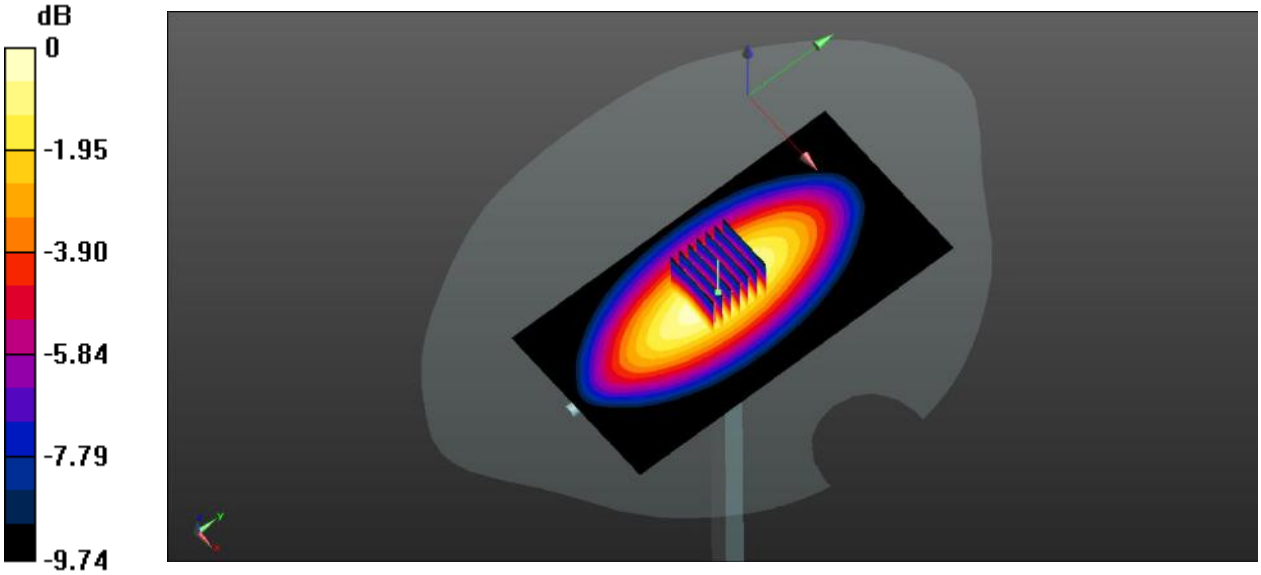
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.13 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.843 W/kg; SAR(10 g) = 0.548 W/kg

Maximum value of SAR (measured) = 0.962 W/kg



0 dB = 0.962 W/kg

System Performance Check Data (750MHz Head)

Date: 2022.06.06

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.867 S/m; εr = 43.031; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.5°C

DASY4 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; 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) = 0.902 W/kg

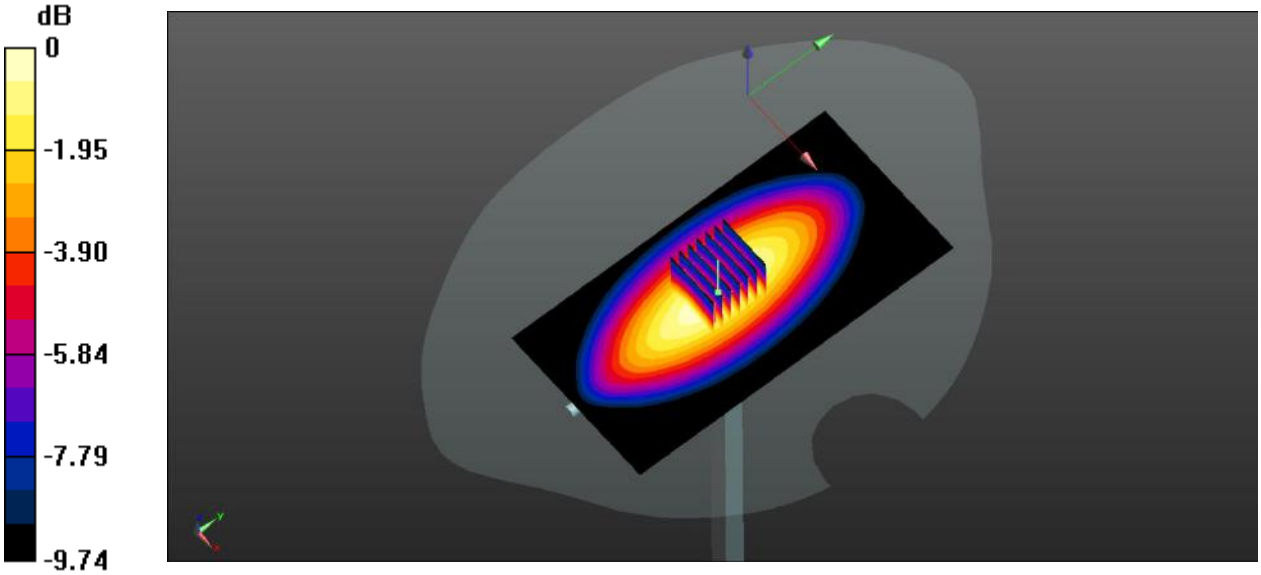
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.11 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.809 W/kg; SAR(10 g) = 0.518 W/kg

Maximum value of SAR (measured) = 0.959 W/kg



0 dB = 0.959 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.06.07

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

Medium parameters used: f = 835 MHz; σ = 0.91 S/m; ε_r = 41.925; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3°C Liquid Temperature:21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.997 W/kg

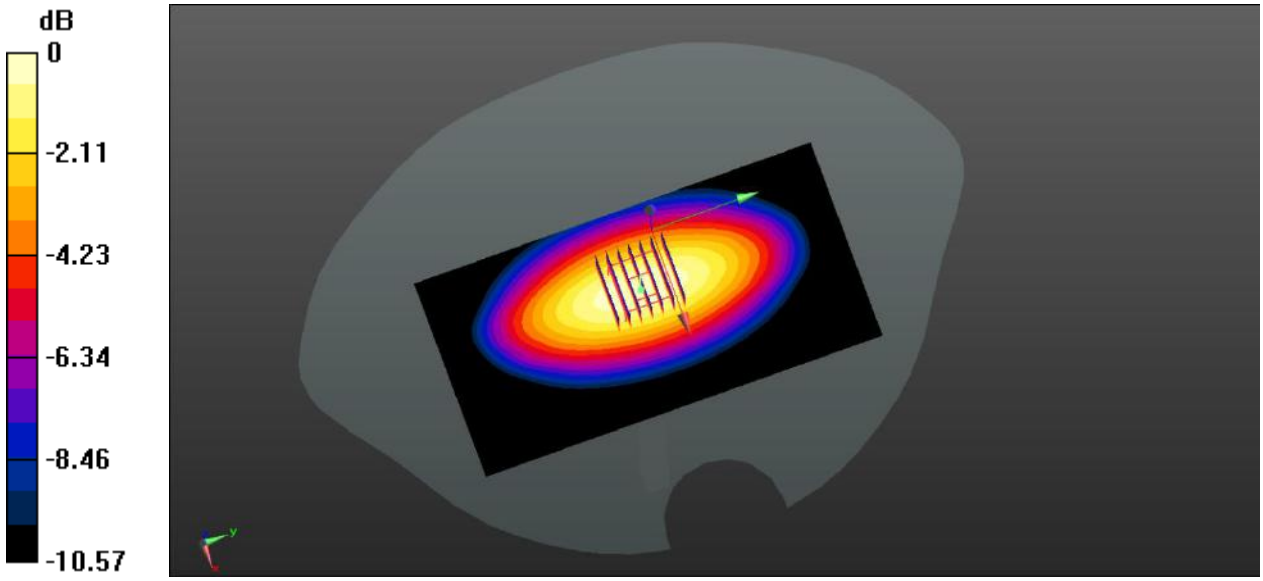
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.13 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.941 W/kg; SAR(10 g) = 0.612 W/kg

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



0 dB = 0.971 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.06.08

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 = 40.728; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

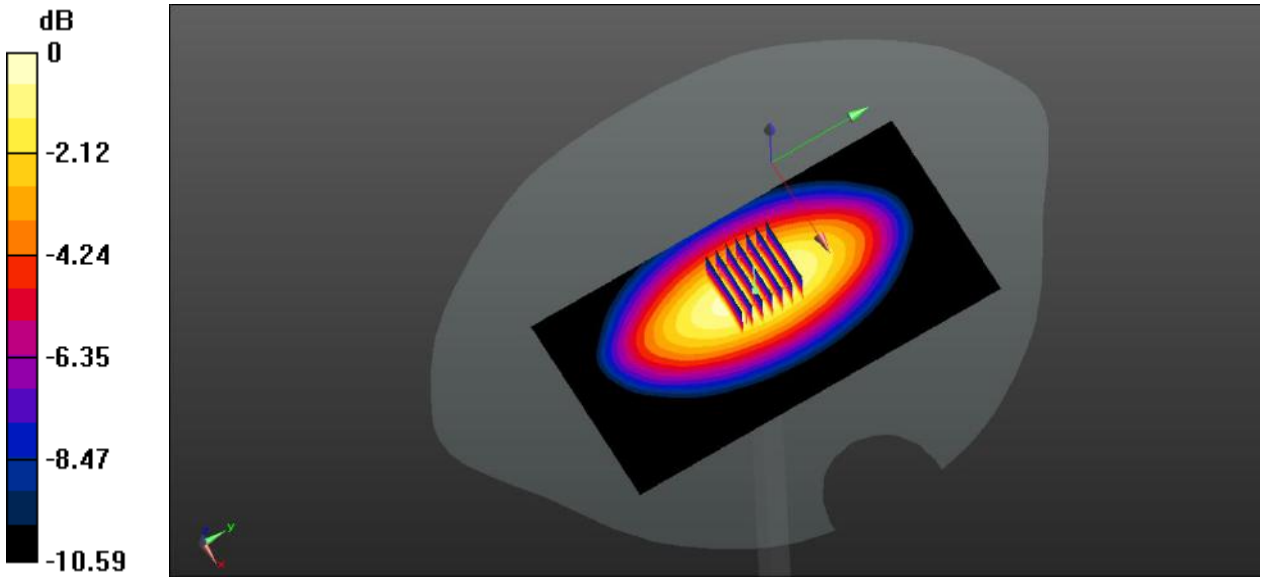
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.68 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.999 W/kg; SAR(10 g) = 0.659 W/kg

Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.28 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.06.09

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

Medium parameters used: f = 835 MHz; σ = 0.886 S/m; ε_r = 40.471; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

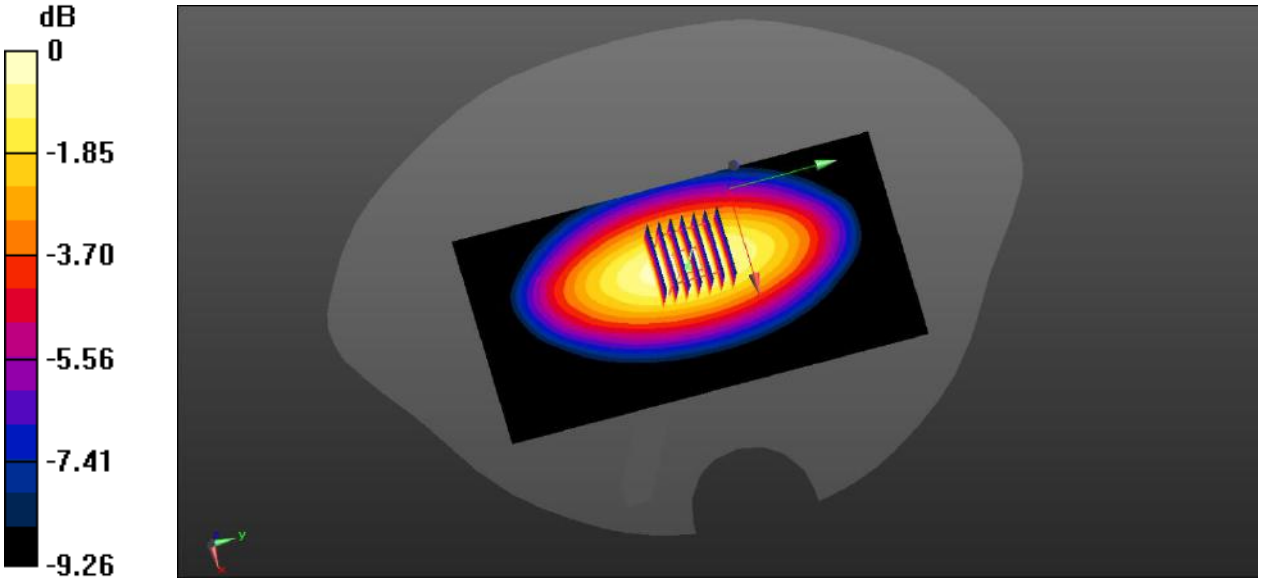
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.68 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.985 W/kg; SAR(10 g) = 0.642 W/kg

Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.06.10

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 = 42.812; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

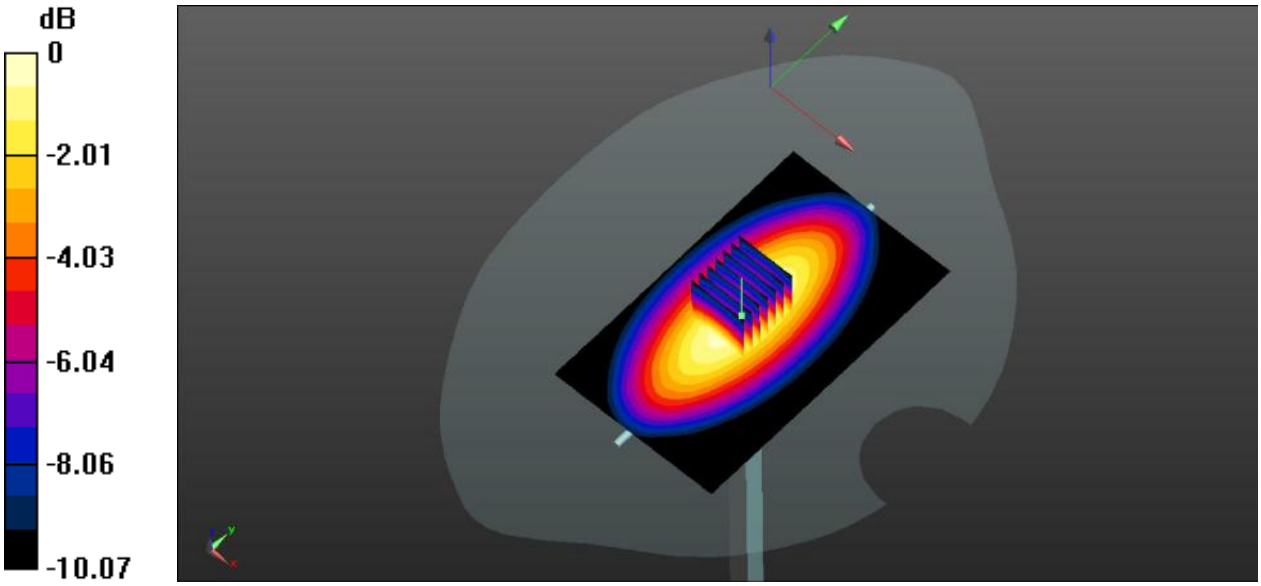
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.57 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.988 W/kg; SAR(10 g) = 0.648 W/kg

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



0 dB = 1.09 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.06.11

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

Medium parameters used: f = 835 MHz; σ = 0.911 S/m; ε_r = 41.613; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7°C Liquid Temperature:21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

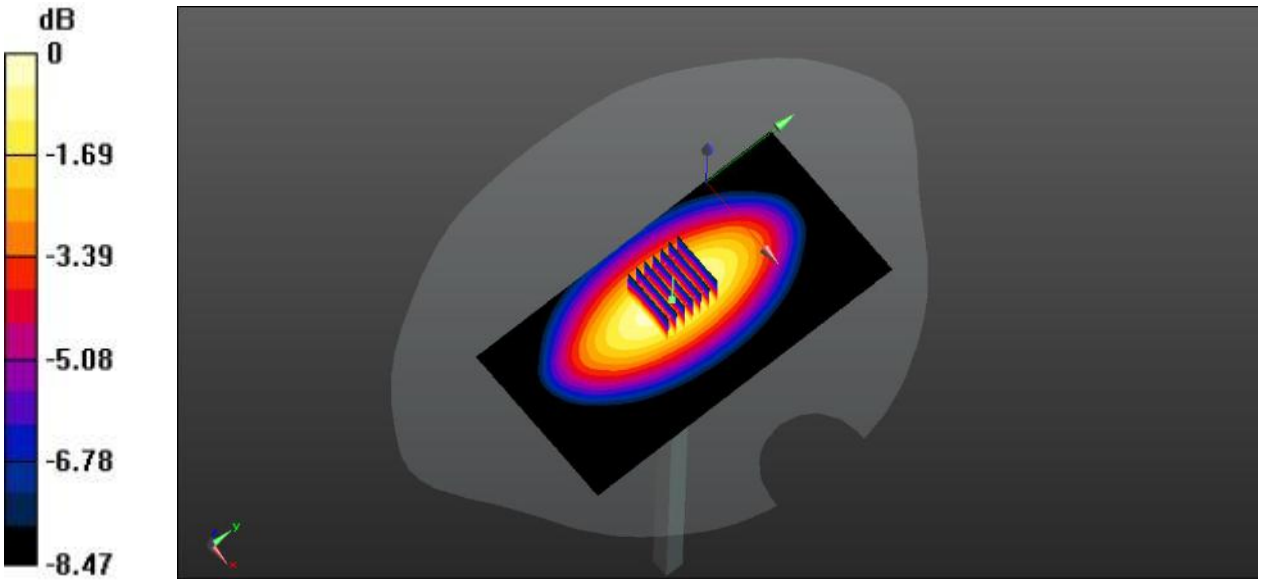
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.29 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.948 W/kg; SAR(10 g) = 0.622 W/kg

Maximum value of SAR (measured) = 0.996 W/kg



0 dB = 0.996 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.06.12

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

Medium parameters used: f = 835 MHz; σ = 0.897 S/m; εr = 41.275; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.981 W/kg

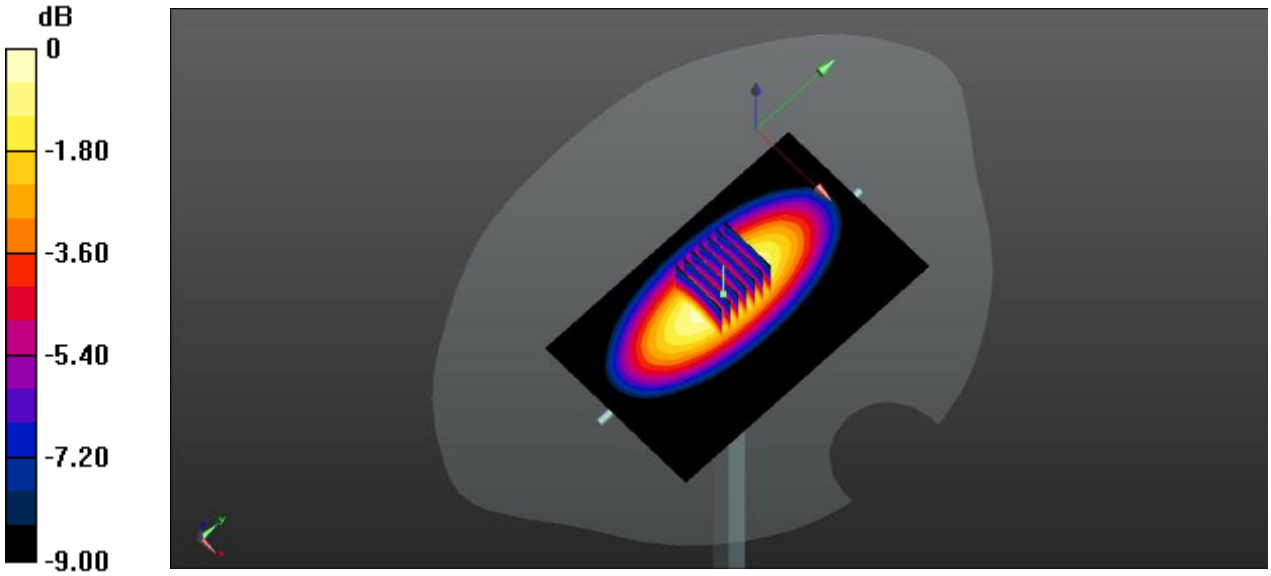
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.24 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.955 W/kg; SAR(10 g) = 0.624 W/kg

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



0 dB = 1.05 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.06.13

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

Medium parameters used: f = 835 MHz; σ = 0.908 S/m; εr = 40.574; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.4°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

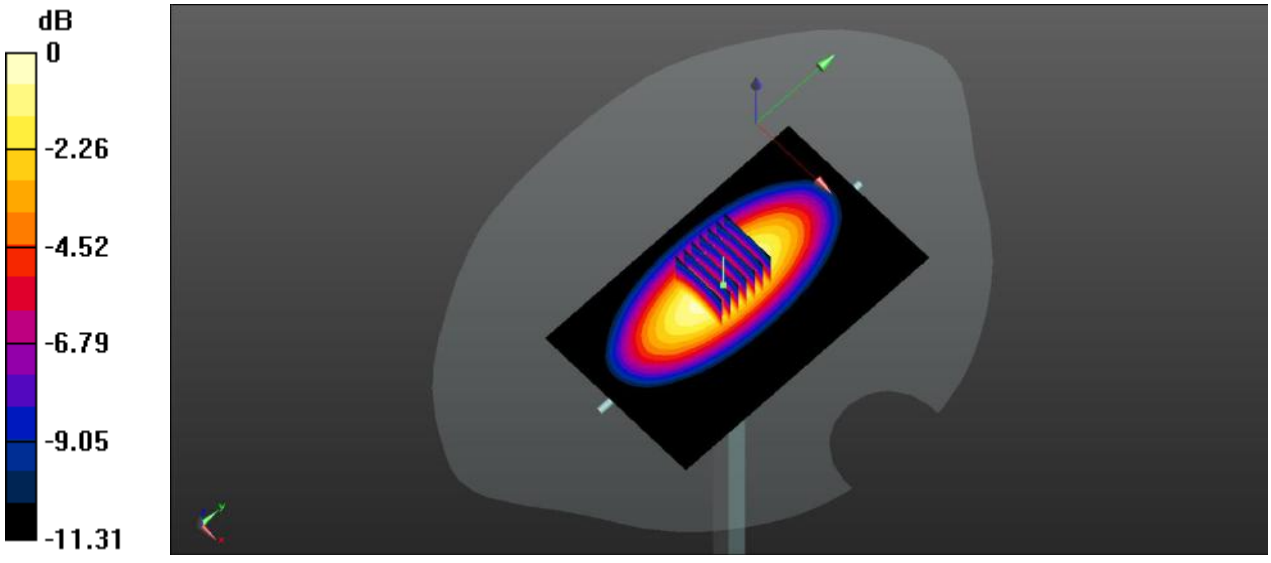
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.82 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.978 W/kg; SAR(10 g) = 0.638 W/kg

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



0 dB = 1.13 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.06.14

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

Medium parameters used: f = 835 MHz; σ = 0.915 S/m; ε_r = 41.503; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

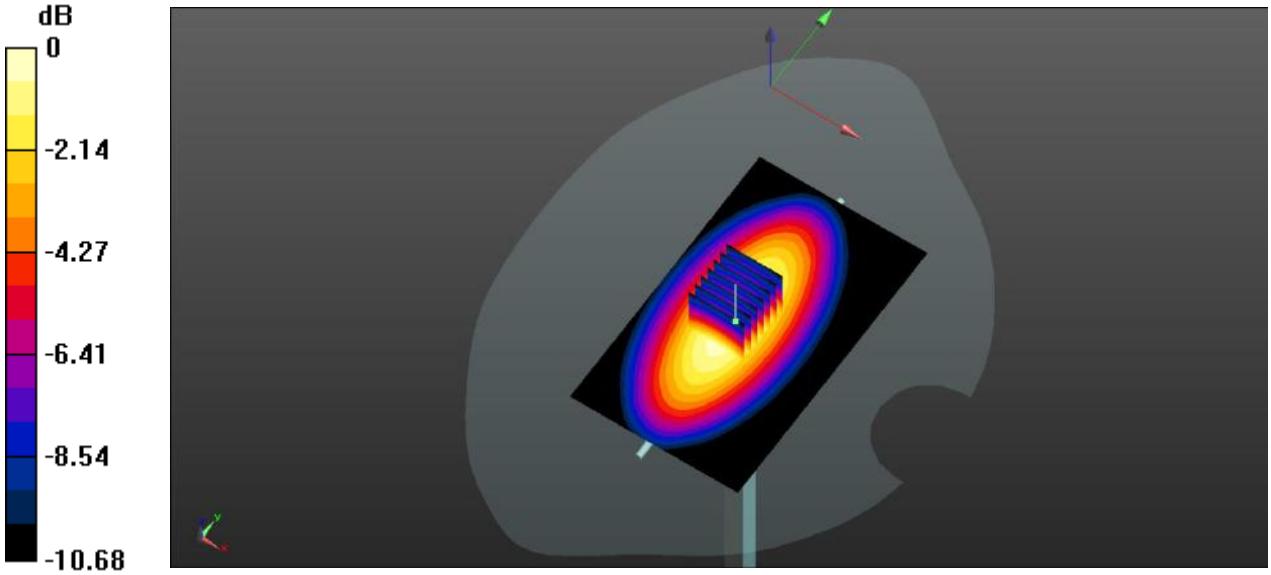
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.57 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.38W/kg

SAR(1 g) = 0.992 W/kg; SAR(10 g) = 0.651 W/kg

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.07.08

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

Medium parameters used: f = 835 MHz; σ = 0.873 S/m; εr = 42.828; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

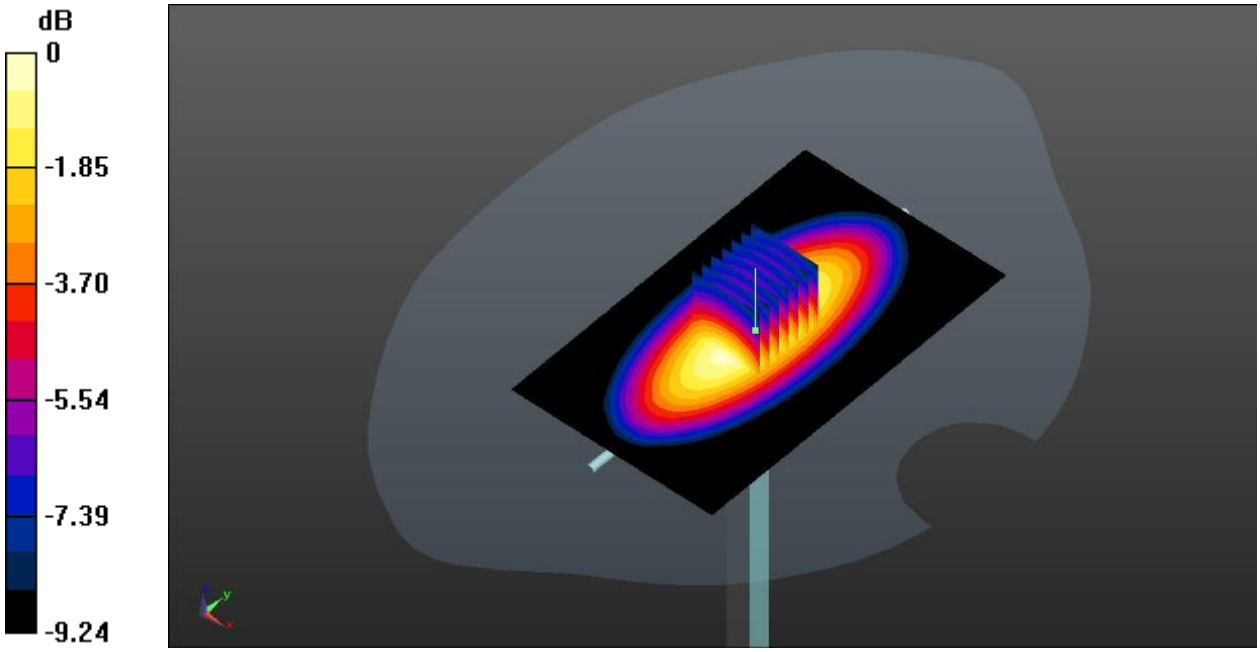
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.22 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.945 W/kg; SAR(10 g) = 0.648 W/kg

Maximum value of SAR (measured) = 1.14 W/kg



0 dB = 1.14 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.06.15

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

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.398 S/m; ε_r = 39.146; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3°C Liquid Temperature:21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

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

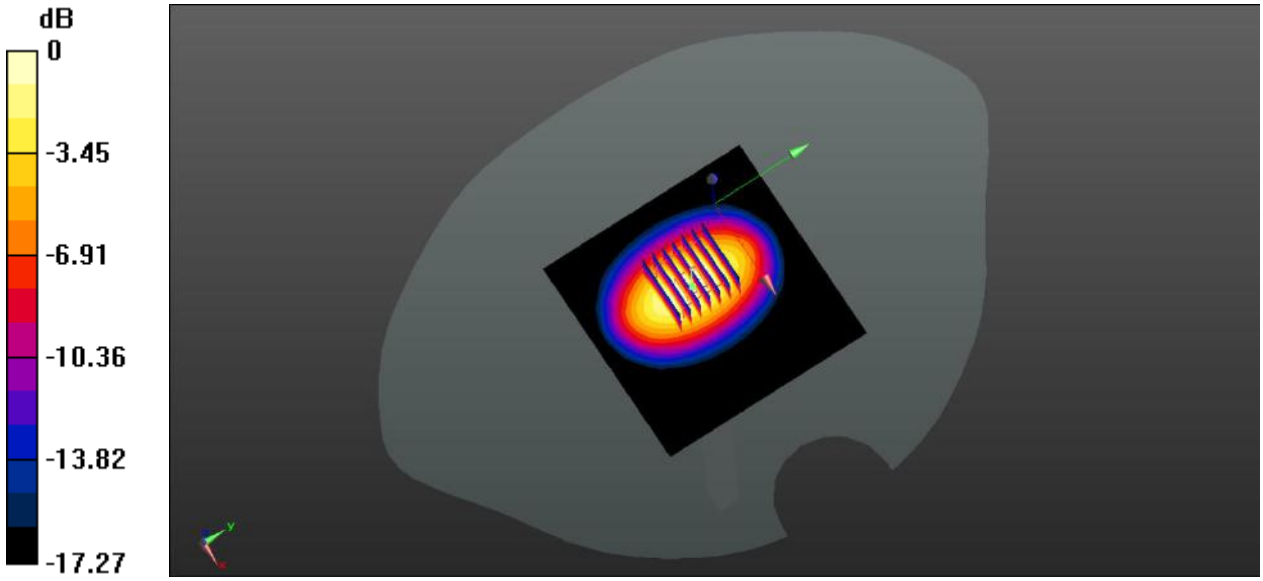
CW1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.21 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 6.37 W/kg

SAR(1 g) = 3.55 W/kg; SAR(10 g) = 1.84 W/kg

Maximum value of SAR (measured) = 4.39 W/kg



0 dB = 4.39 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.06.16

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

Medium parameters used: f = 1750 MHz; σ = 1.341 S/m; εr = 39.421; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.8°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

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

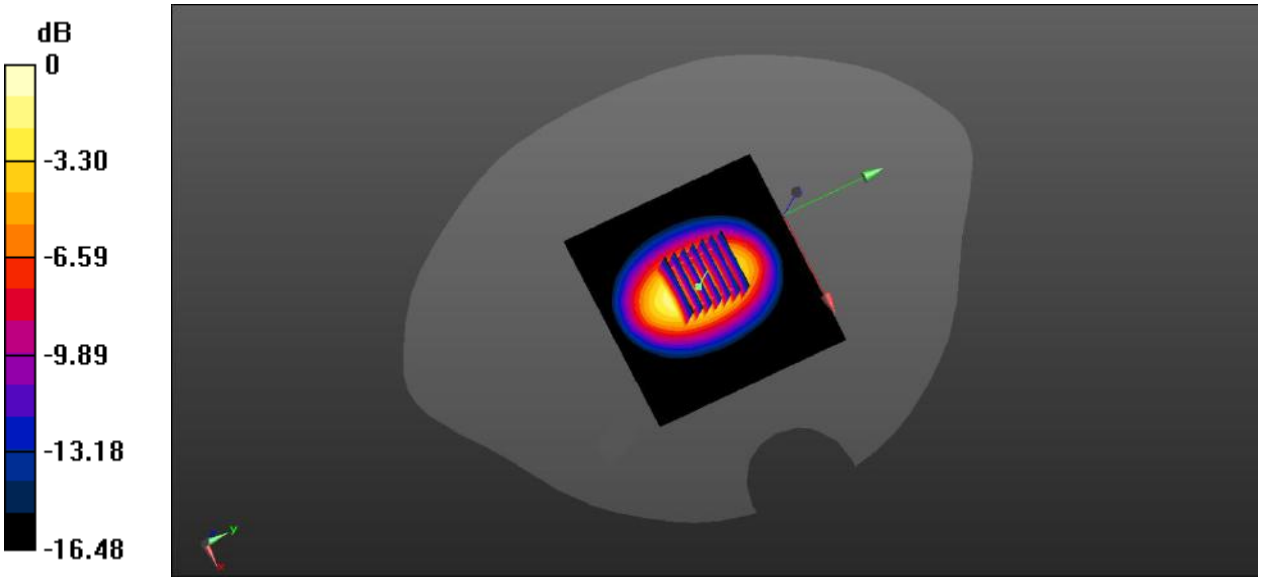
CW1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 42.67 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 6.28 W/kg

SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.98 W/kg

Maximum value of SAR (measured) = 4.31 W/kg



0 dB = 4.31 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.06.17

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

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.389 S/m; εr = 40.838; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.5°C Liquid Temperature:21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

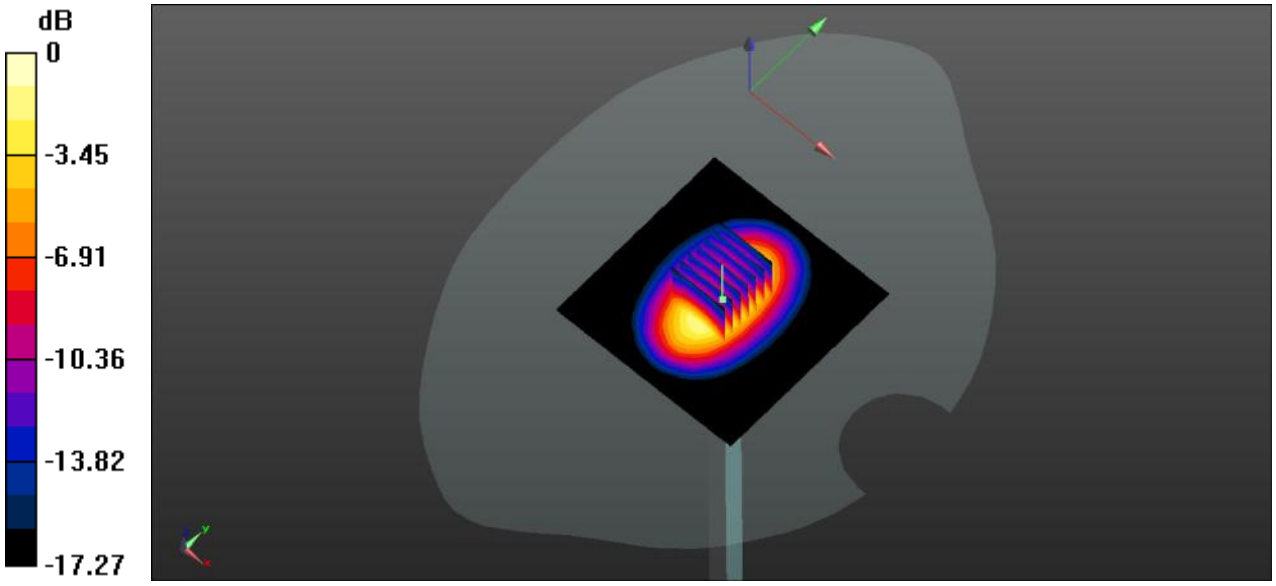
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.28 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 6.35 W/kg

SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.89 W/kg

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



0 dB = 4.37 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.06.18

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

Medium parameters used: f = 1750 MHz; σ = 1.4 S/m; εr = 38.856; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 4.17 W/kg

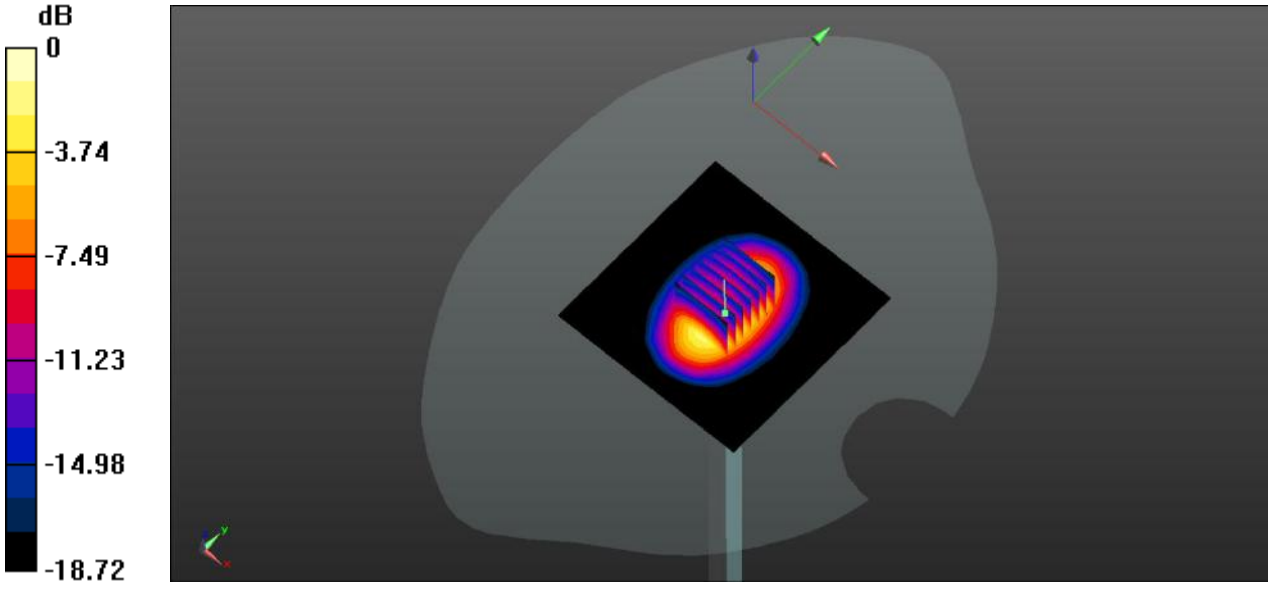
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.93 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 7.26 W/kg

SAR(1 g) = 3.77 W/kg; SAR(10 g) = 1.95 W/kg

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



0 dB = 4.18 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.06.19

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

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.373 S/m; εr = 40.923; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 4.16 W/kg

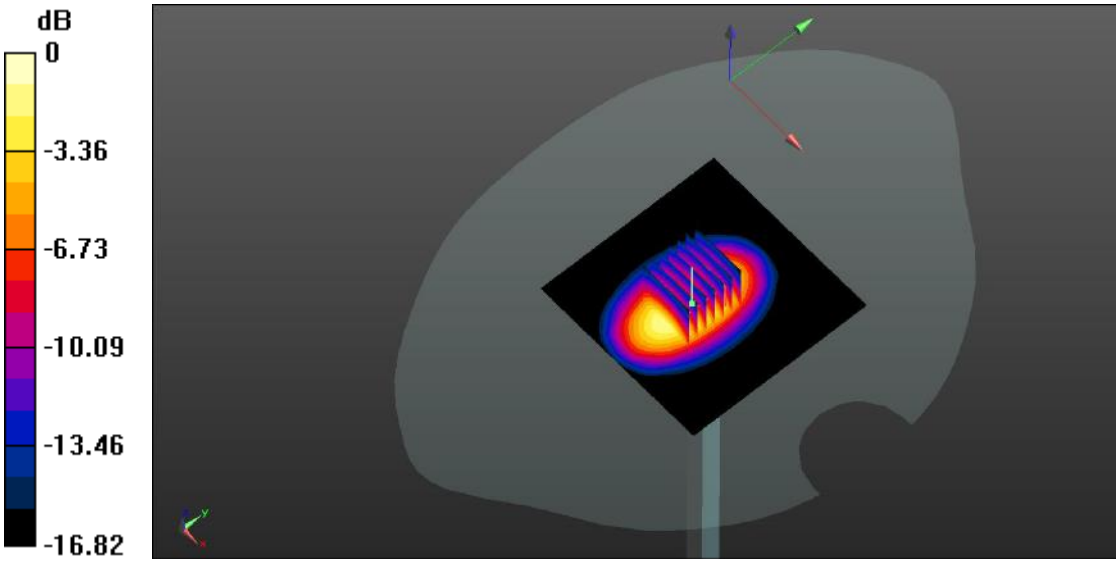
CW 1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.38 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.65 W/kg

SAR(1 g) = 3.59 W/kg; SAR(10 g) = 1.88 W/kg

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



0 dB = 4.21 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.06.20

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

Medium parameters used: f = 1750 MHz; σ = 1.349 S/m; εr = 39.727; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

Maximum value of SAR (interpolated) = 4.53 W/kg

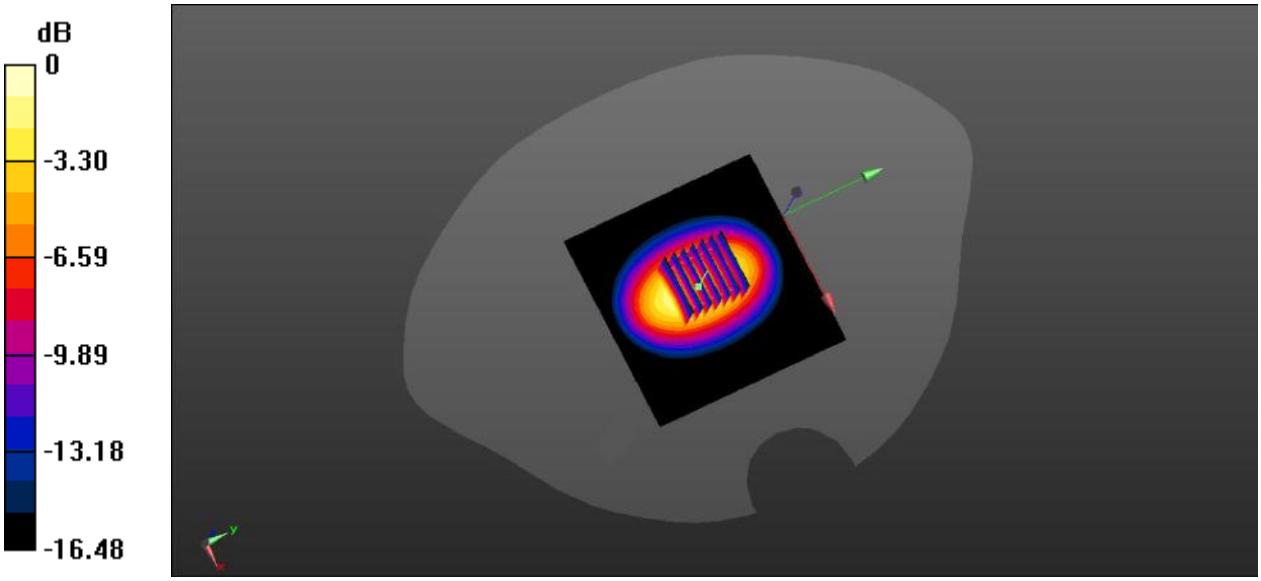
CW1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 42.67 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 6.28 W/kg

SAR(1 g) = 3.62 W/kg; SAR(10 g) = 1.89 W/kg

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



0 dB = 4.18 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.06.21

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

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.384 S/m; εr = 40.593; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.4°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 4.15 W/kg

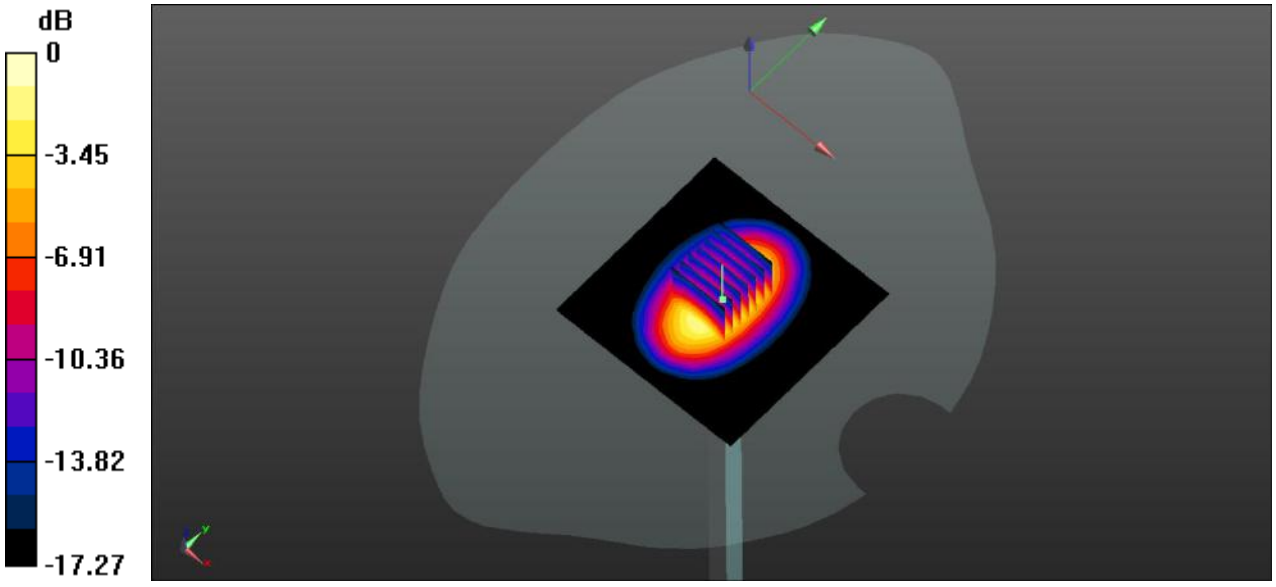
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.33 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 6.15 W/kg

SAR(1 g) = 3.76 W/kg; SAR(10 g) = 1.97 W/kg

Maximum value of SAR (measured) = 4.27 W/kg



0 dB = 4.27 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.07.10

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

Medium parameters used: f = 1750 MHz; σ = 1.364 S/m; εr = 41.242; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

Maximum value of SAR (interpolated) = 4.15 W/kg

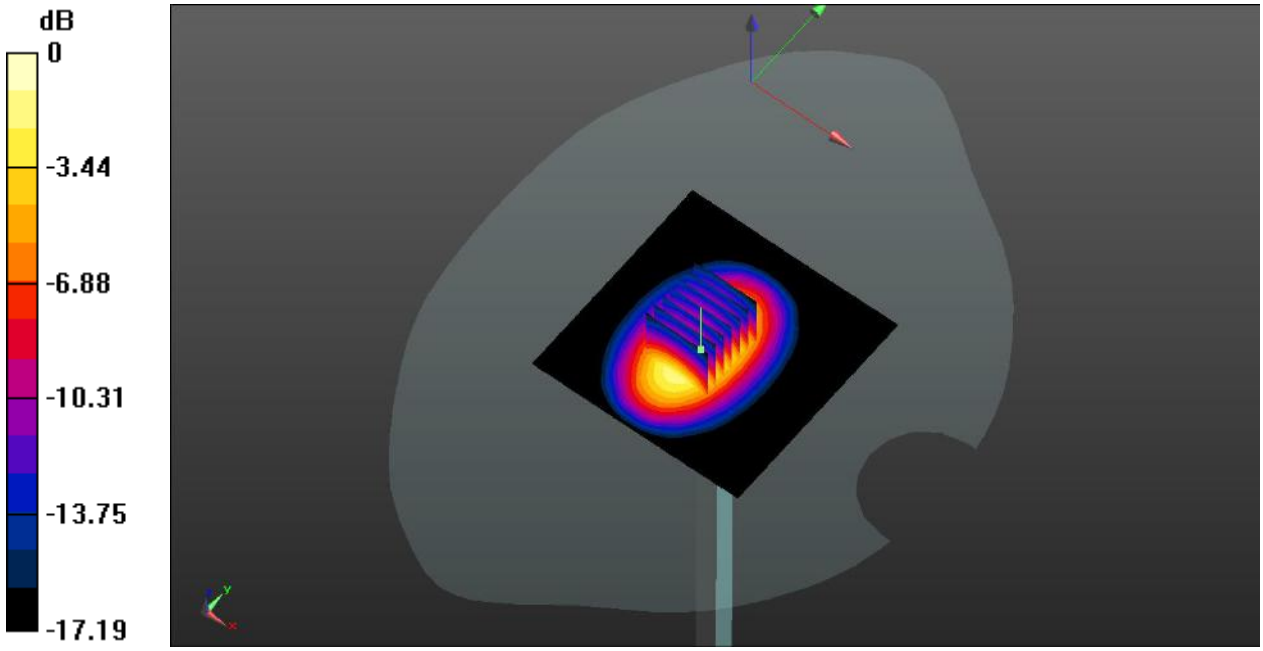
CW1750 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.24 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 7.04 W/kg

SAR(1 g) = 3.77 W/kg; SAR(10 g) = 1.94 W/kg

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



0 dB = 4.19 W/kg

System Performance Check Data (1900MHz Head)

Date: 2022.06.21

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

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.384 S/m; εr = 40.593; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.4°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 4.15 W/kg

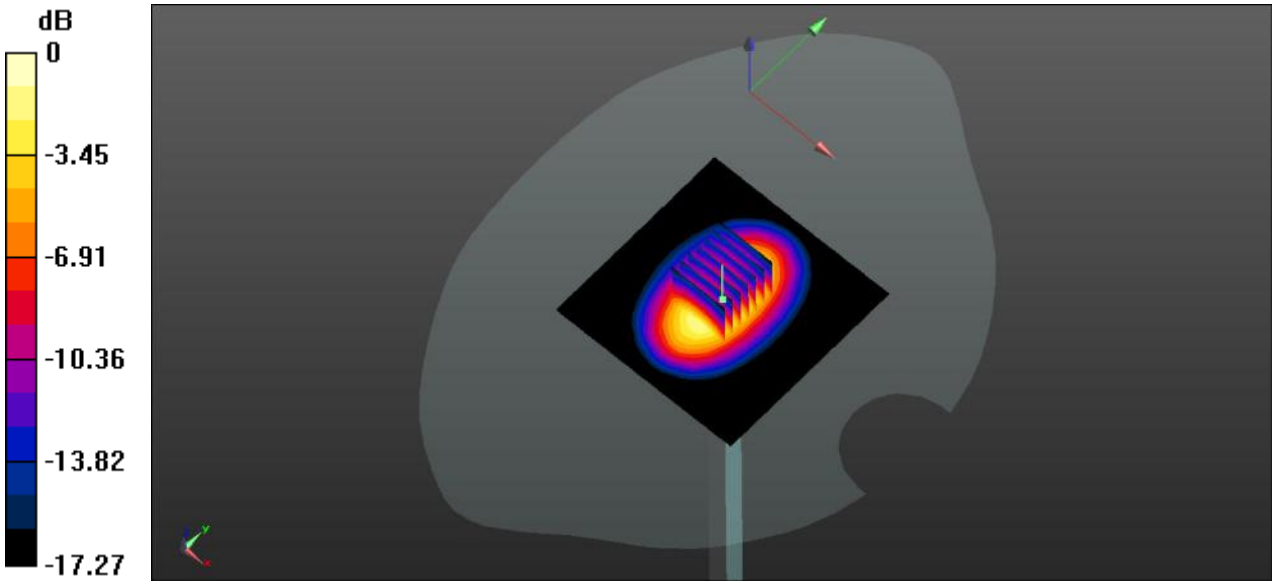
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.33 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 6.15 W/kg

SAR(1 g) = 3.76 W/kg; SAR(10 g) = 1.97 W/kg

Maximum value of SAR (measured) = 4.27 W/kg



0 dB = 4.27 W/kg

System Performance Check Data (1900MHz Head)

Date: 2022.06.02

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

Medium parameters used: f = 1900 MHz; σ = 1.372 S/m; ε_r = 40.593; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8°C Liquid Temperature:21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 4.25 W/kg

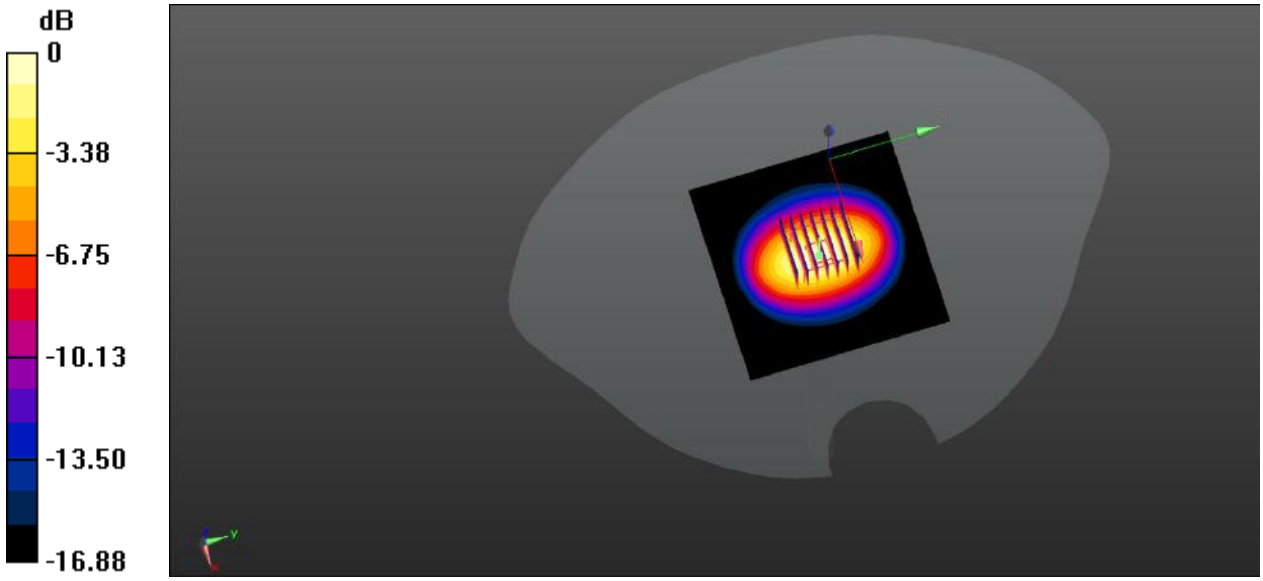
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.32 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 7.11 W/kg

SAR(1 g) = 3.89 W/kg; SAR(10 g) = 1.96 W/kg

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



0 dB = 4.19 W/kg

System Performance Check Data (1900MHz Head)

Date: 2022.06.03

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

Medium parameters used: f = 1900 MHz; σ = 1.363 S/m; εr = 40.71; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

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

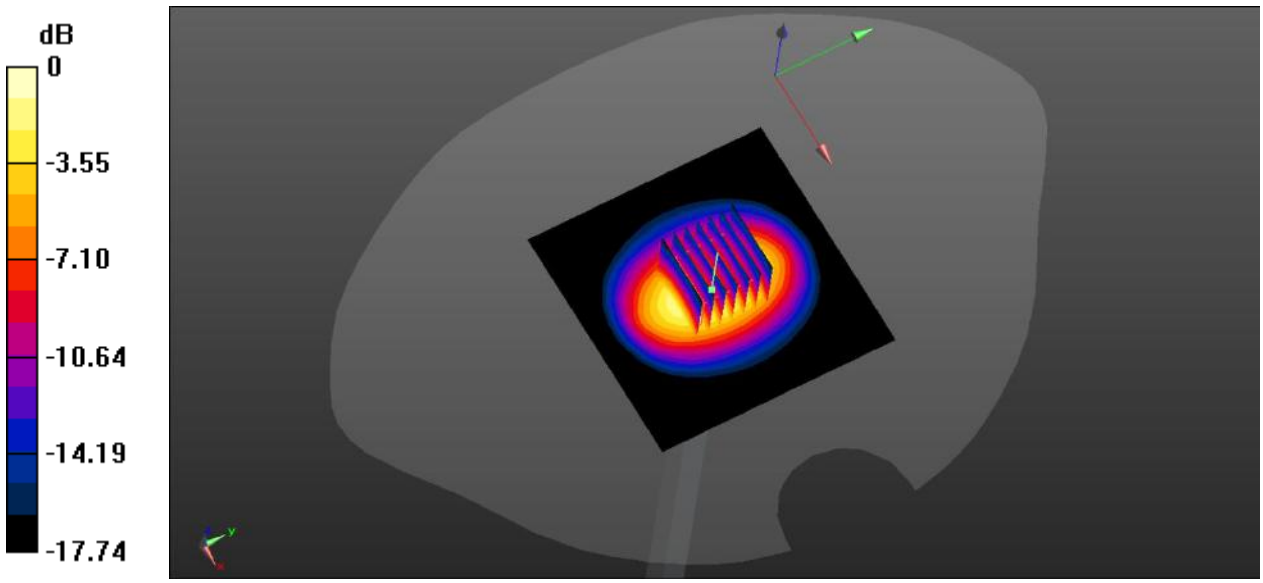
CW1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.96 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 7.13 W/kg

SAR(1 g) = 4.11 W/kg; SAR(10 g) = 2.09 W/kg

Maximum value of SAR (measured) = 4.39 W/kg



0 dB = 4.39 W/kg

System Performance Check Data (1900MHz Head)

Date: 2022.06.04

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

Medium parameters used: f = 1900 MHz; σ = 1.413 S/m; ε_r = 40.312; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9°C Liquid Temperature:21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 4.13 W/kg

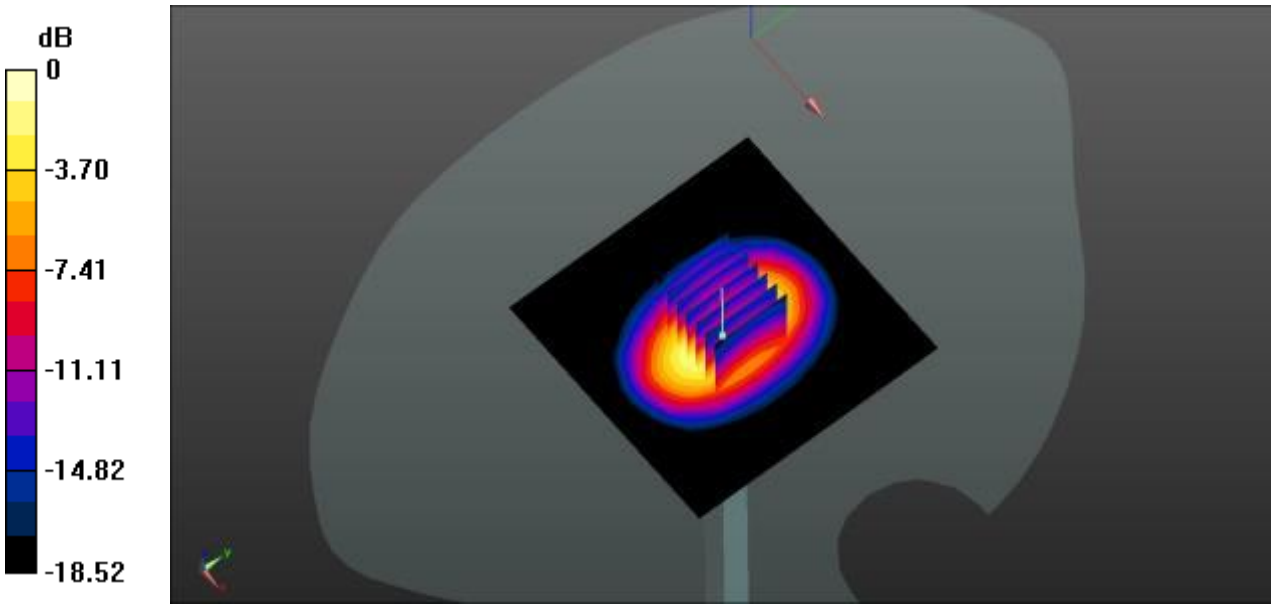
CW 1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.24 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 7.41 W/kg

SAR(1 g) = 3.95 W/kg; SAR(10 g) = 1.98 W/kg

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



0 dB = 4.35 W/kg

System Performance Check Data (1900MHz Head)

Date: 2022.06.05

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

Medium parameters used: f = 1900 MHz; σ = 1.395 S/m; ε_r = 39.324; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3°C Liquid Temperature:21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 4.18 W/kg

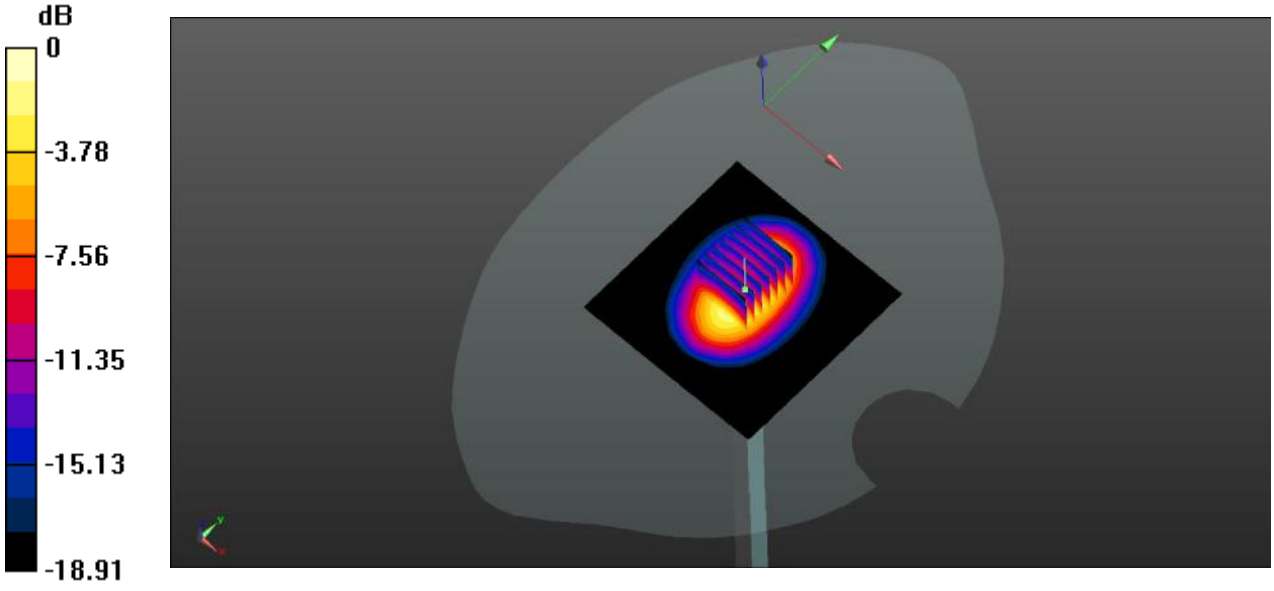
CW 1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.52 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 7.24 W/kg

SAR(1 g) = 3.99 W/kg; SAR(10 g) = 2.01 W/kg

Maximum value of SAR (measured) = 4.29 W/kg



0 dB = 4.29 W/kg

System Performance Check Data (1900MHz Head)

Date: 2022.07.11

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

Medium parameters used: f = 1900 MHz; σ = 1.424 S/m; εr = 40.68; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

Maximum value of SAR (interpolated) = 4.57 W/kg

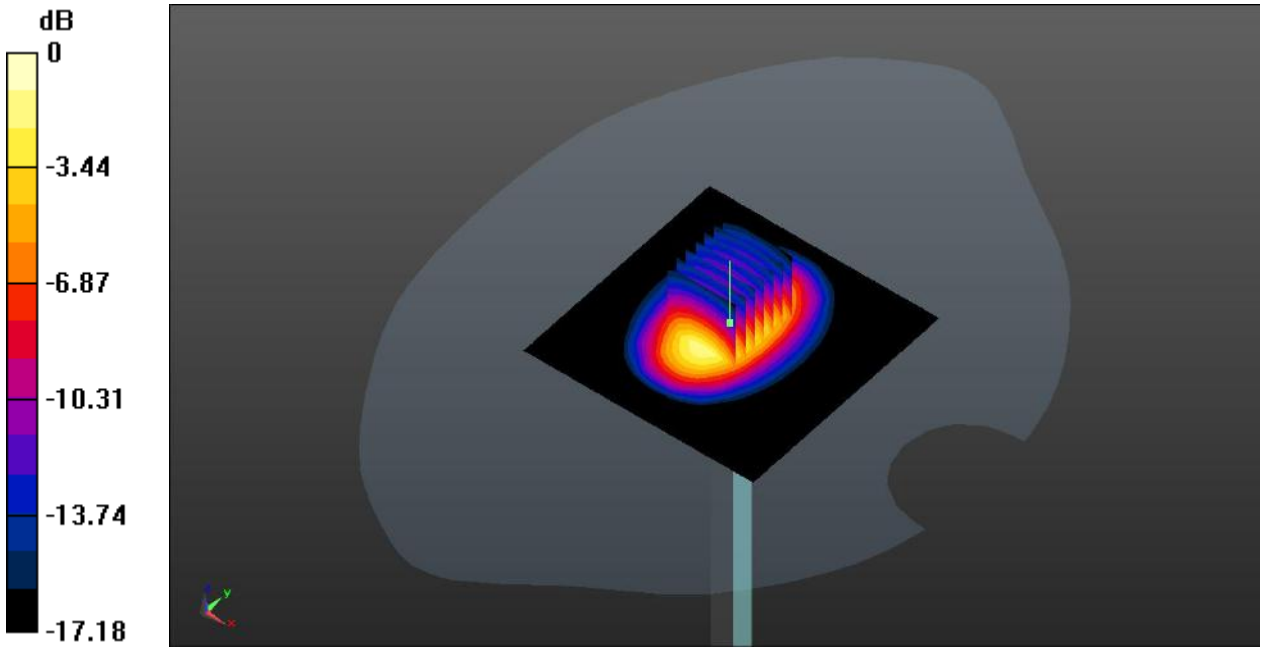
CW1900-Head-100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.05 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 7.24 W/kg

SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.07 W/kg

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



0 dB = 4.37 W/kg

System Performance Check Data (2450MHz Head)

Date: 2022.06.25

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

Medium parameters used: f = 2450 MHz; σ = 1.755 S/m; εr = 39.358; ρ = 1000 kg/m3

Phantom section: Left Section

Ambient Temperature:22.6°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

CW2450 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.18 W/kg

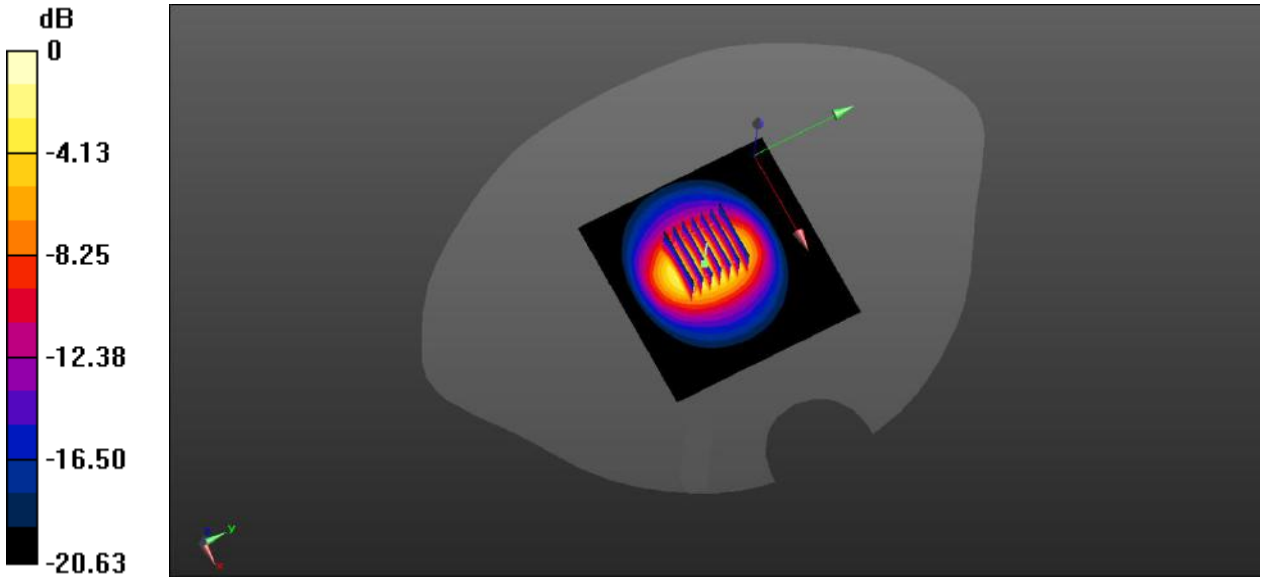
CW2450 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.19 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.1 W/kg; SAR(10 g) = 2.34 W/kg

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



0 dB = 5.77 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.07.03

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

Medium parameters used: f = 2600 MHz; σ = 1.972 S/m; εr = 38.928; ρ = 1000 kg/m3

Phantom section: Right Section

Ambient Temperature:22.5°C Liquid Temperature:21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.13 W/kg

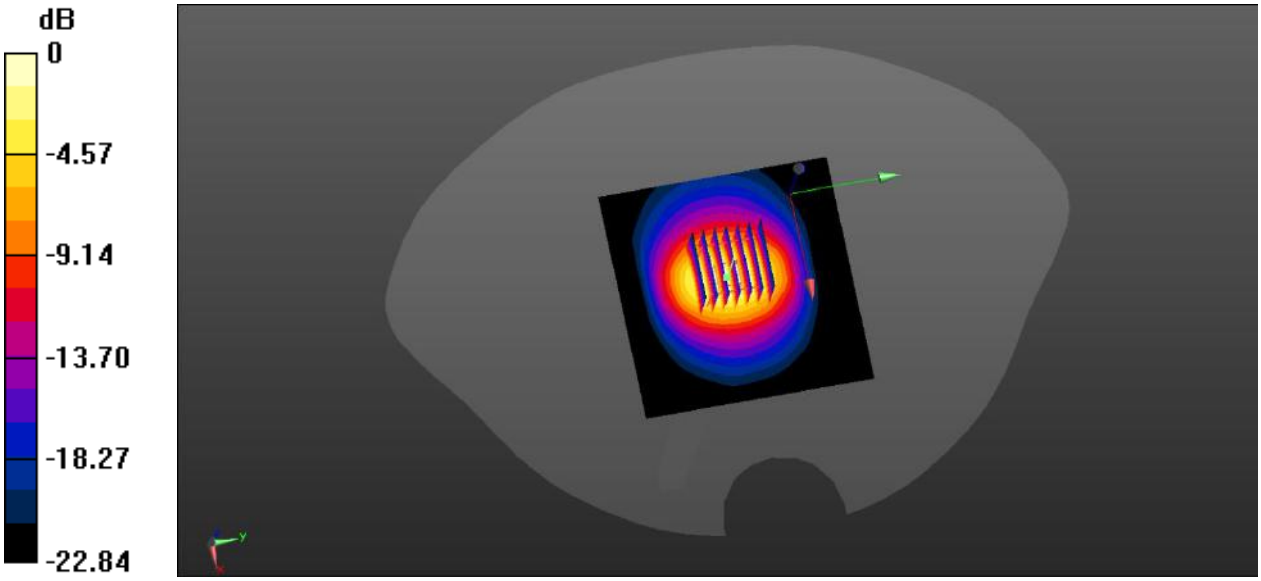
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.38 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.88 W/kg; SAR(10 g) = 2.57 W/kg

Maximum value of SAR (measured) = 6.84 W/kg



0 dB = 6.84 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.07.04

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

Medium parameters used: f = 2600 MHz; σ = 1.913 S/m; εr = 39.548; ρ = 1000 kg/m3

Phantom section: Right Section

Ambient Temperature:22.7°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 2600 100mW /Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

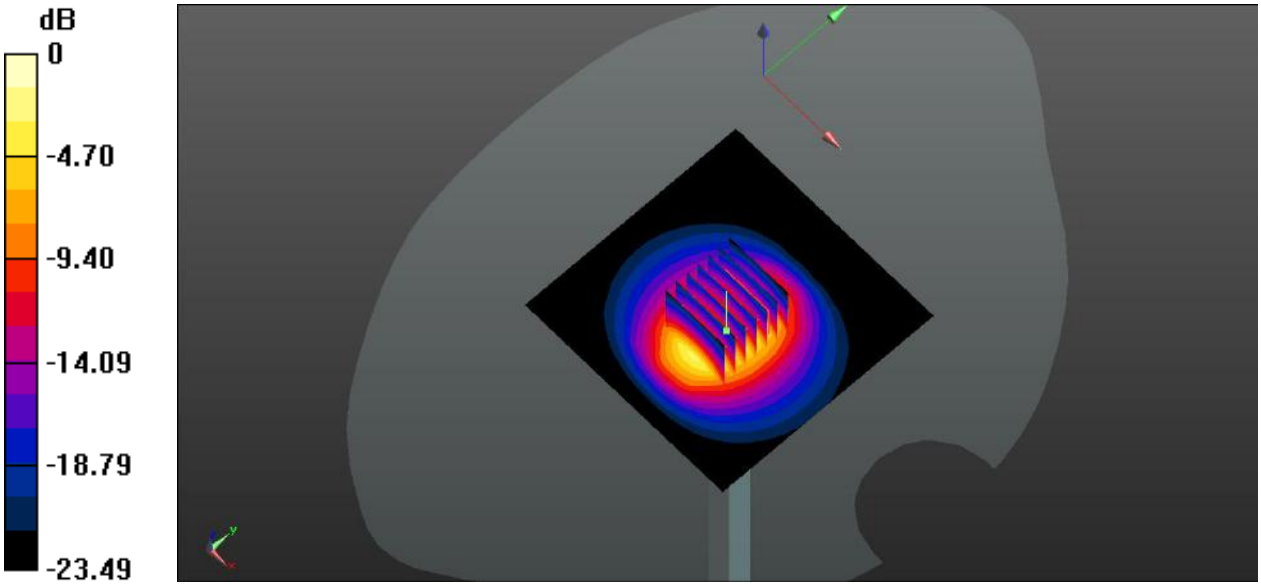
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.12 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 12.3 W/kg

SAR(1 g) = 5.48 W/kg; SAR(10 g) = 2.39 W/kg

Maximum value of SAR (measured) = 6.14 W/kg



0 dB = 6.14 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.06.25

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.983 S/m; εr = 38.735; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.5°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.21 W/kg

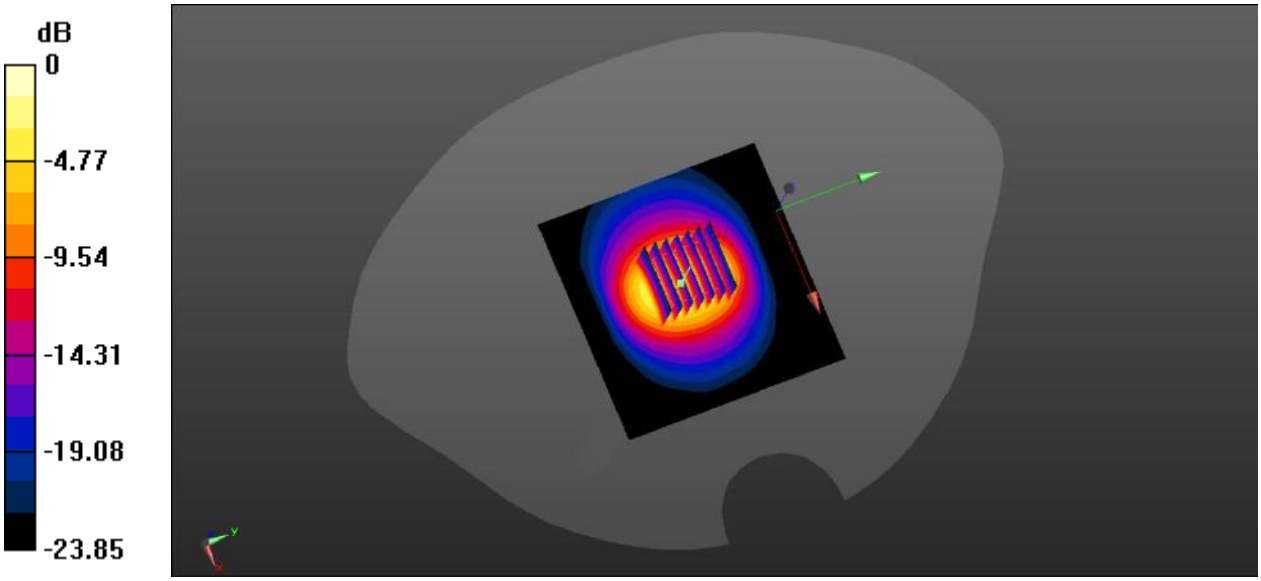
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.23 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 13.1 W/kg

SAR(1 g) = 5.61 W/kg; SAR(10 g) = 2.42 W/kg

Maximum value of SAR (measured) = 6.28 W/kg



0 dB = 6.28 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.06.24

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.948 S/m; ε_r = 38.968; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

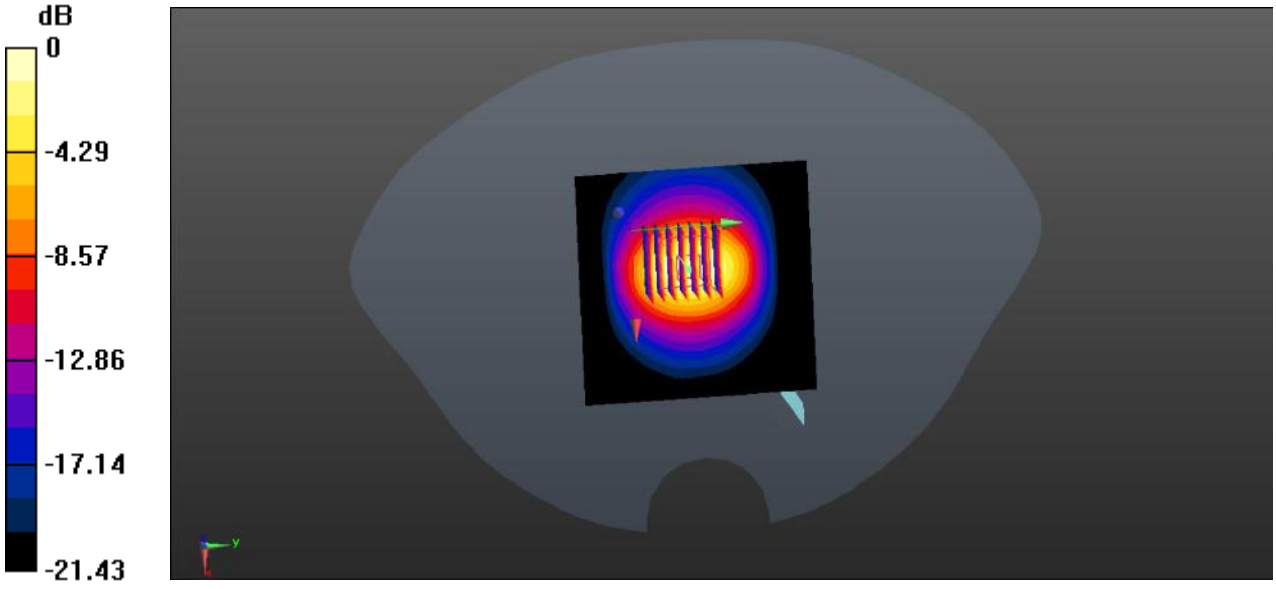
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.88 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 13.9 W/kg

SAR(1 g) = 5.86 W/kg; SAR(10 g) = 2.53 W/kg

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



0 dB = 6.59 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.06.24

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.948 S/m; ε_r = 38.968; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

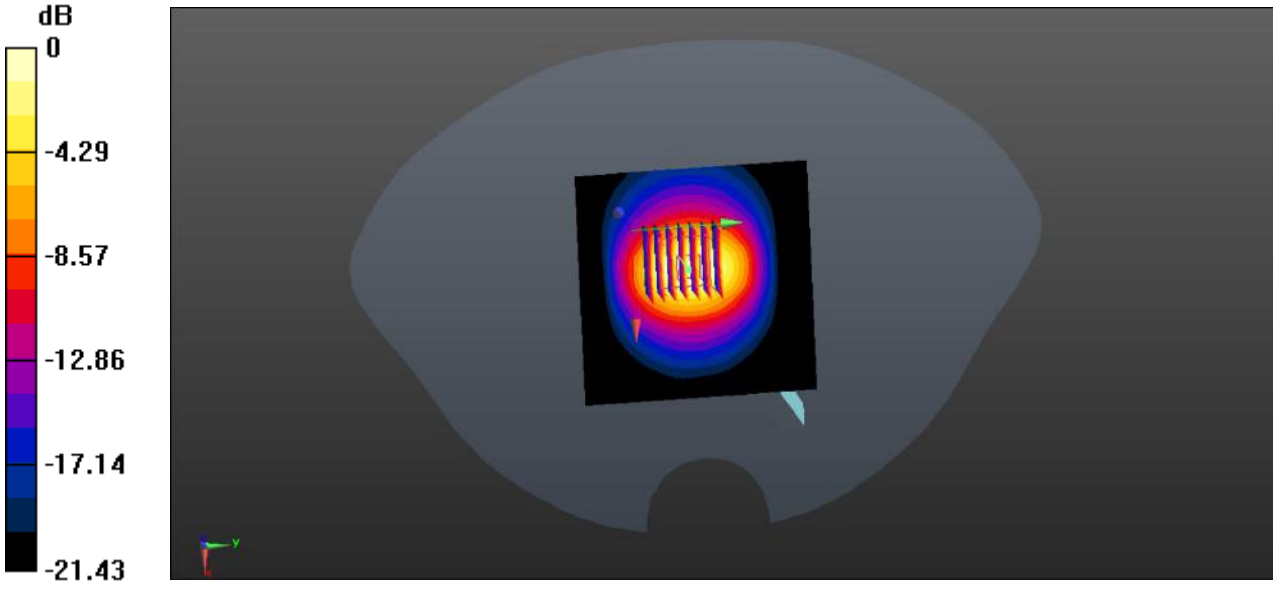
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.88 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 13.9 W/kg

SAR(1 g) = 5.86 W/kg; SAR(10 g) = 2.53 W/kg

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



0 dB = 6.59 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.06.30

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

Medium parameters used: f = 2600 MHz; σ = 1.944 S/m; ε_r = 38.297; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7°C Liquid Temperature:21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.21 W/kg

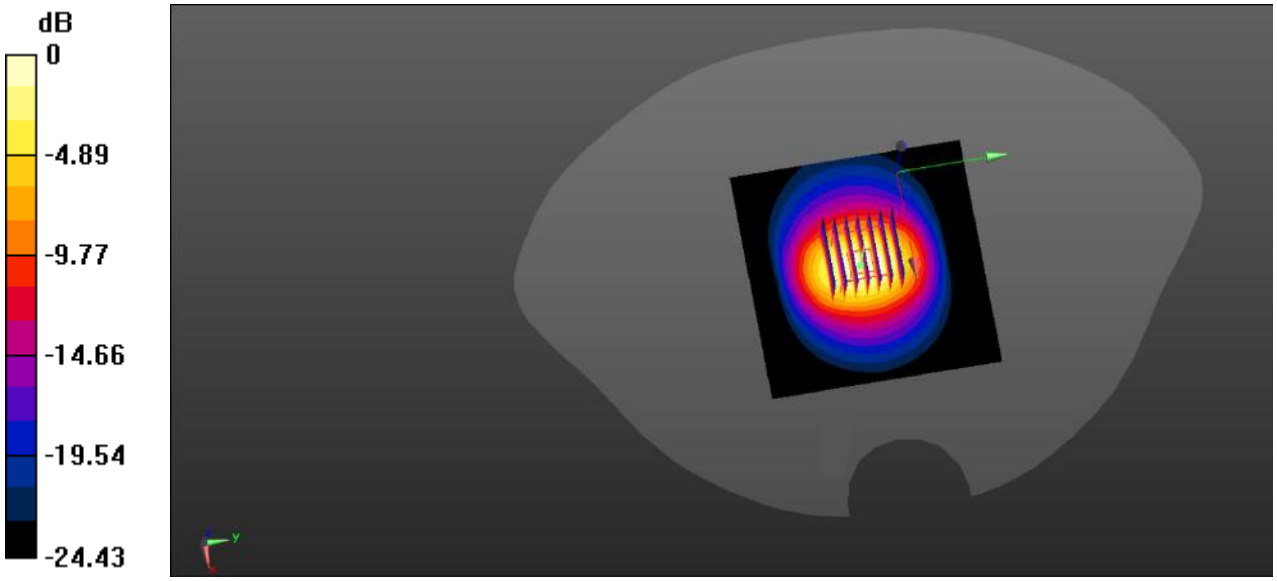
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.22 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.77 W/kg; SAR(10 g) = 2.49 W/kg

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



0 dB = 5.81 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.06.29

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

Medium parameters used: f = 2600 MHz; σ = 1.926 S/m; εr = 39.188; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.9°C Liquid Temperature:21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 2600 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.04 W/kg

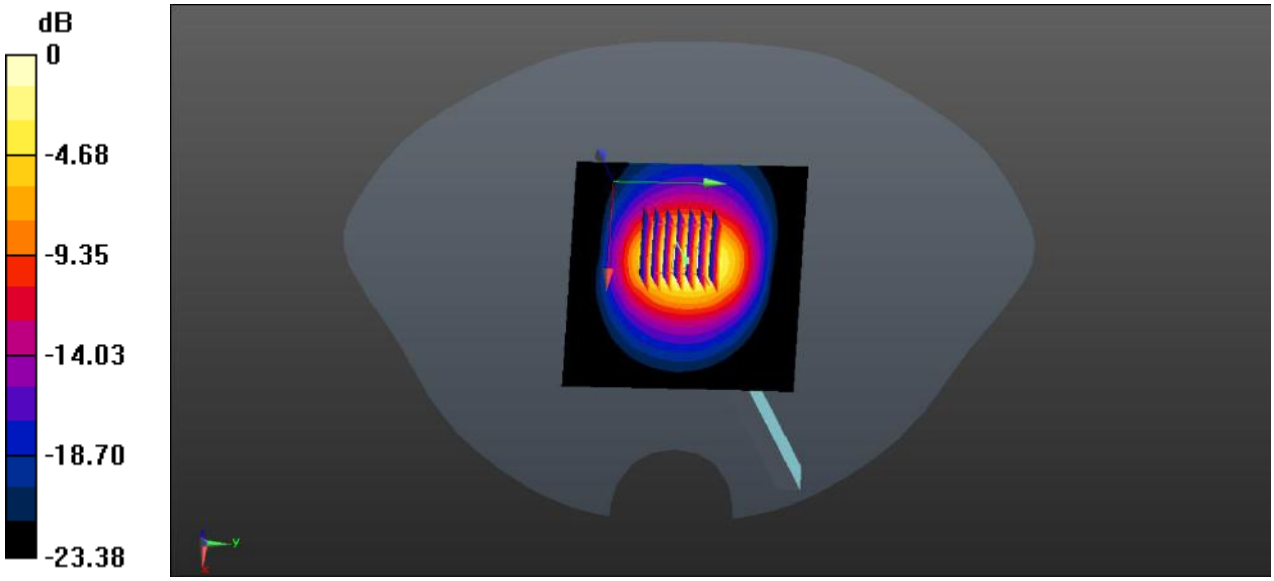
CW 2600 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.15 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 12.8 W/kg

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

Maximum value of SAR (measured) = 6.13 W/kg



0 dB = 6.13 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.06.28

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

Medium parameters used: f = 2600 MHz; σ = 1.911 S/m; εr = 37.815; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 2600 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

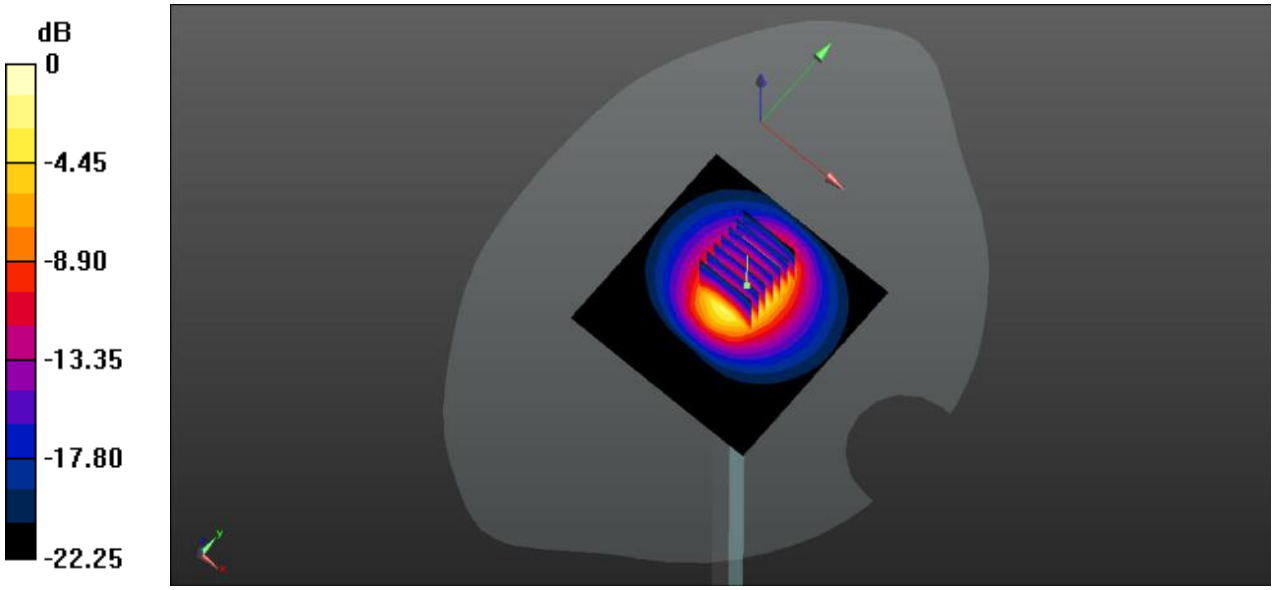
CW 2600 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.52 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.59 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 6.28 W/kg



0 dB = 6.28 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.06.27

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

Medium parameters used: f = 2600 MHz; σ = 1.992 S/m; εr = 38.159; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 2600 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

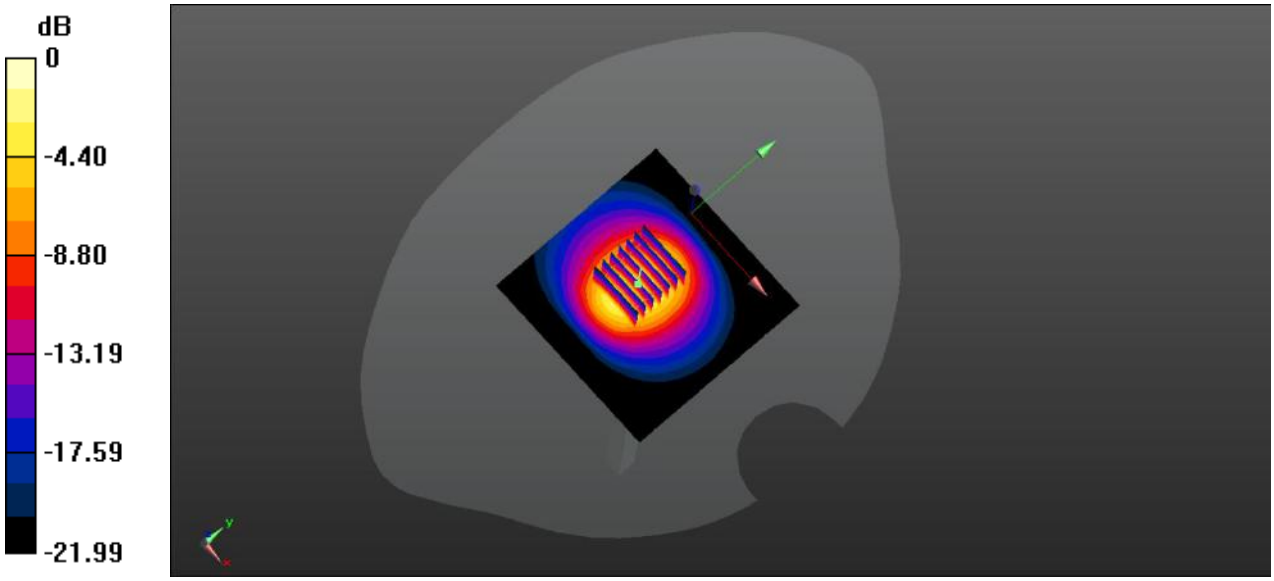
CW 2600 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.21 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 12.3 W/kg

SAR(1 g) = 5.72 W/kg; SAR(10 g) = 2.49 W/kg

Maximum value of SAR (measured) = 6.21 W/kg



0 dB = 6.21 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.06.26

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.935 S/m; ε_r = 38.842; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.89 W/kg

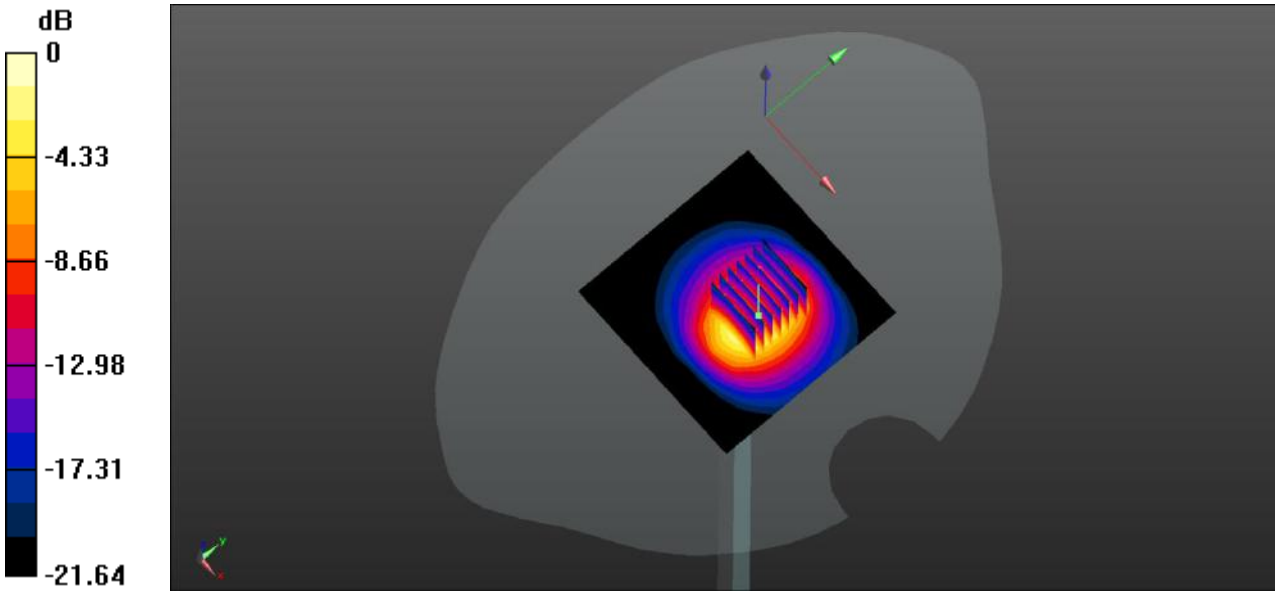
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 39.67 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 13.5 W/kg

SAR(1 g) = 5.83 W/kg; SAR(10 g) = 2.53 W/kg

Maximum value of SAR (measured) = 6.38 W/kg



0 dB = 6.38 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.07.02

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.94 S/m; εr = 39.38; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 2600 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

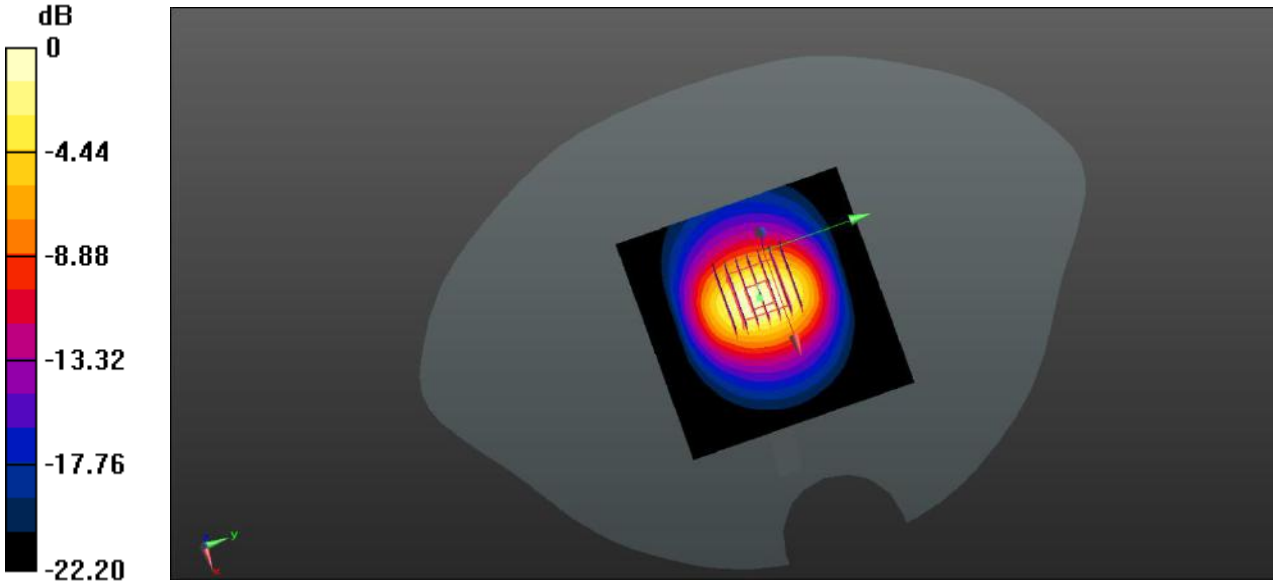
CW 2600 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.63 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 12.8 W/kg

SAR(1 g) = 5.76 W/kg; SAR(10 g) = 2.52 W/kg

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



0 dB = 6.32 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.07.12

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

Medium parameters used: f = 2600 MHz; σ = 1.913 S/m; εr = 39.244; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

Maximum value of SAR (interpolated) = 6.28 W/kg

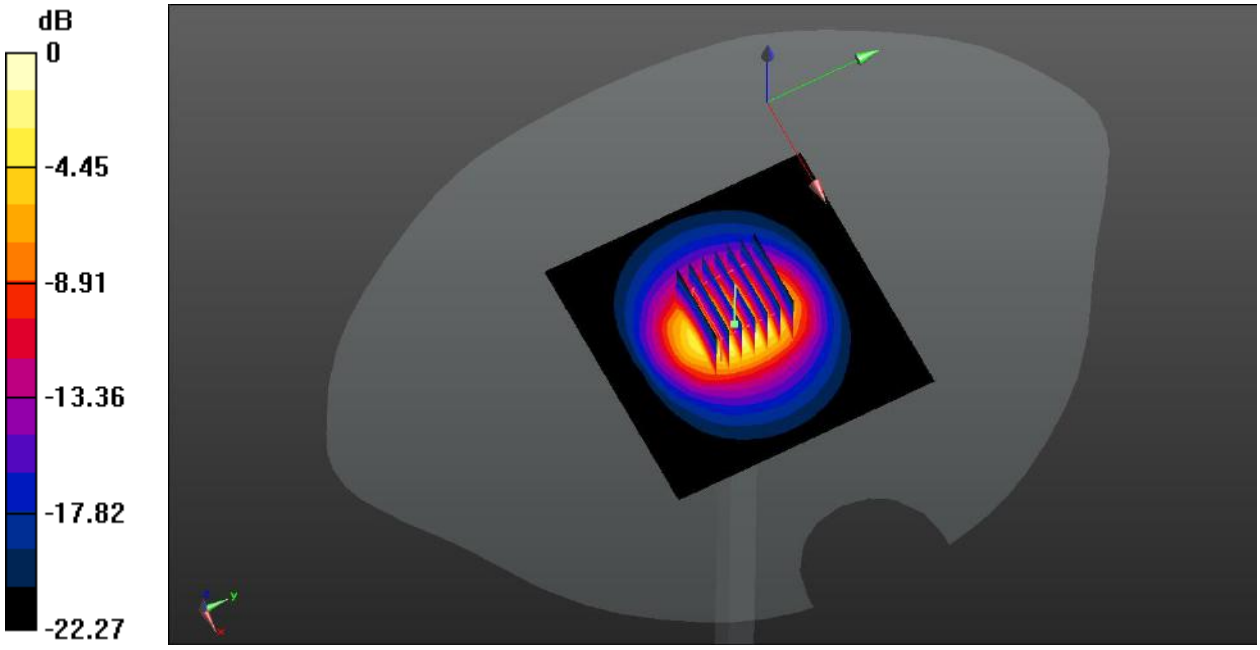
CW2600-Head-100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.56 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 13.6 W/kg

SAR(1 g) = 5.55 W/kg; SAR(10 g) = 2.58 W/kg

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



0 dB = 6.36 W/kg

System Performance Check Data (5250MHz Head)

Date: 2022.06.22

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

Medium parameters used: f = 5250 MHz; σ = 4.776 S/m; εr = 37.1; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.3°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (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 5250/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 7.51 W/kg

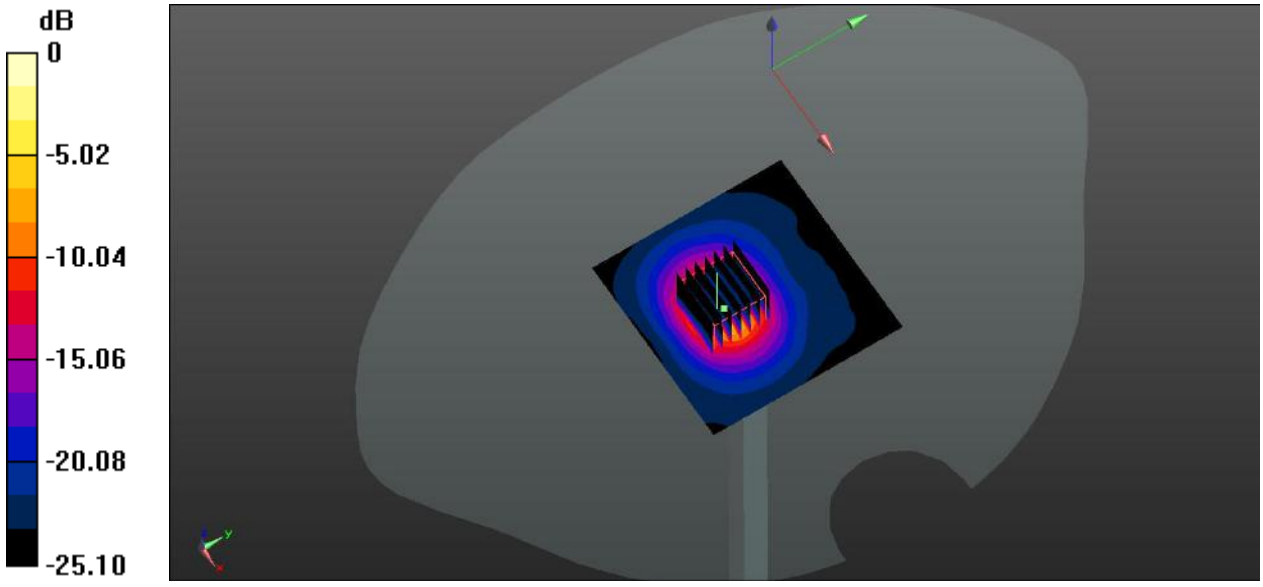
CW 5250/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 23.21 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 30.2 W/kg

SAR(1 g) = 7.73 W/kg; SAR(10 g) = 2.2 W/kg

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



0 dB = 14.2 W/kg

System Performance Check Data (5600MHz Head)

Date: 2022.06.23

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

Medium parameters used: f = 5600 MHz; σ = 5.07 S/m; ε_r = 34.409; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.1, 5.1, 5.1); Calibrated: 2021.07.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (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 5600 100mW /Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.03 W/kg

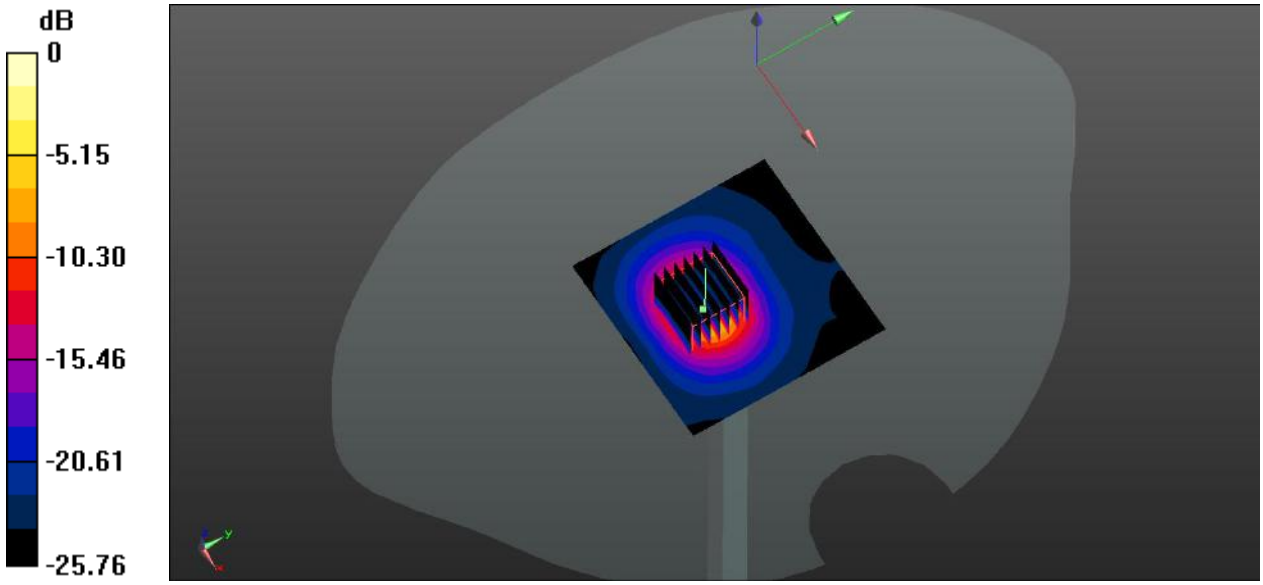
CW 5600 100mW /Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 25.24 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 38.21 W/kg

SAR(1 g) = 8.23 W/kg; SAR(10 g) = 2.21 W/kg

Maximum value of SAR (measured) = 15.3 W/kg



0 dB = 15.3 W/kg

System Performance Check Data (5750MHz Head)

Date: 2022.06.24

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

Medium parameters used: f = 5750 MHz; σ = 5.323 S/m; ε_r = 36.173; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.15, 5.15, 5.15); Calibrated: 2021.07.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (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)

CW5750 100mw/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.22 W/kg

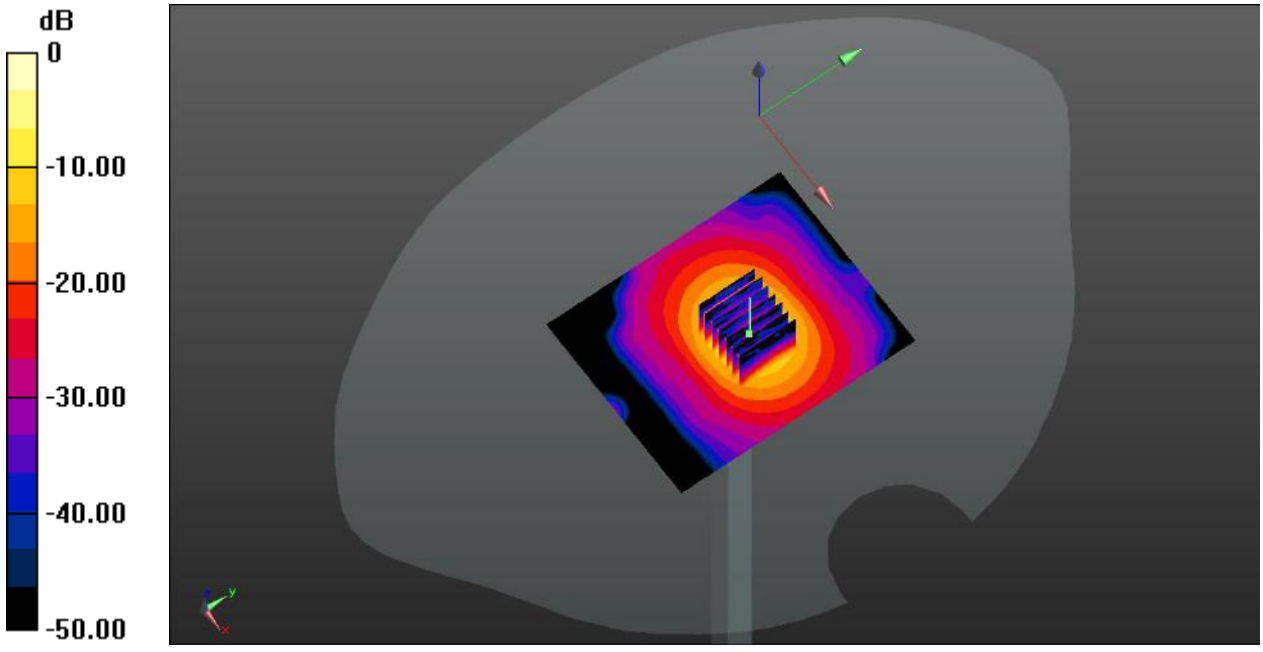
CW5750 100mw/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 32.05 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 35.8 W/kg

SAR(1 g) = 7.73 W/kg; SAR(10 g) = 2.19 W/kg

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



0 dB = 16.9 W/kg

ANNEX C TEST DATA

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

Date: 2022.06.07

Communication System Band: GPRS850; Frequency: 848.8 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.93 S/m; ε_r = 41.299; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3°C Liquid Temperature:21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

Maximum value of SAR (interpolated) = 1.28 W/kg

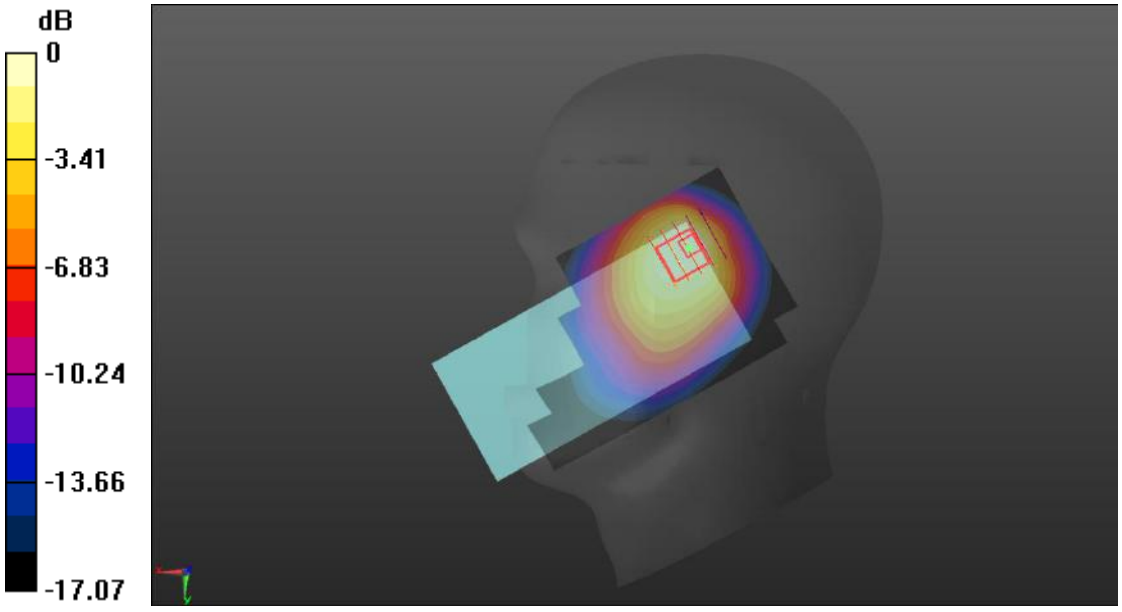
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.11 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 0.969 W/kg; SAR(10 g) = 0.596 W/kg

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



0 dB = 1.01 W/kg

Meas.2 Body Plane with Back Side 15mm on High Channel in GPRS850 2Slots mode with Antenna0

Date: 2022.06.08

Communication System Band: GPRS850; Frequency: 848.8 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.921 S/m; ε_r = 40.363; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

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

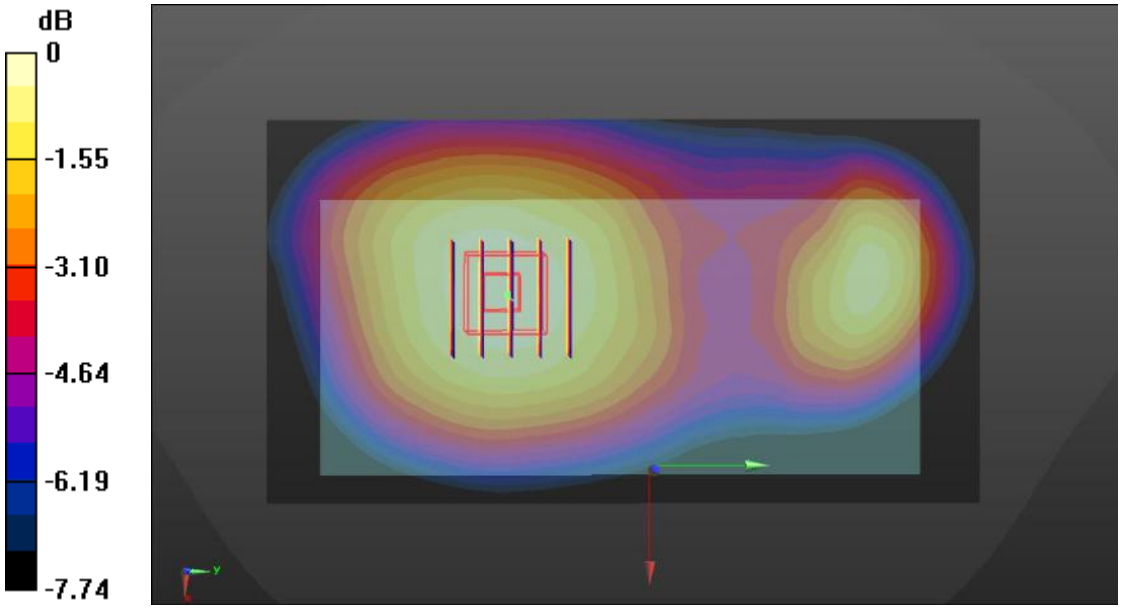
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.37 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.237 W/kg

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

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



0 dB = 0.202 W/kg

Meas.3 Body Plane with Back Side 10mm on High Channel in GPRS850 2Slots mode with Antenna0

Date: 2022.06.08

Communication System Band: GPRS850; Frequency: 848.8 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.921 S/m; ε_r = 40.363; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

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

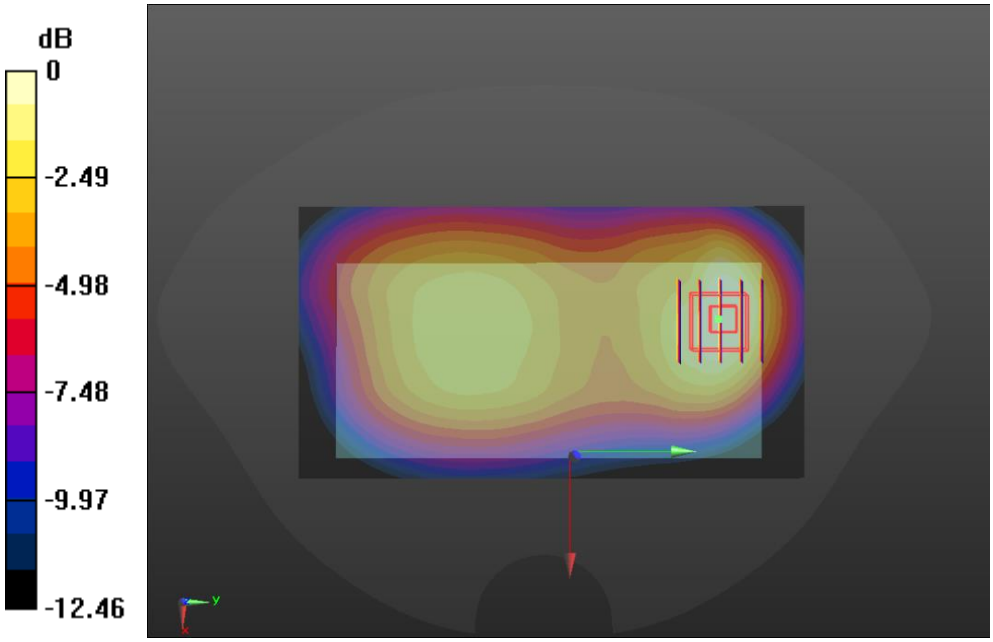
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.58 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.489 W/kg

SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.201 W/kg

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



0 dB = 0.344 W/kg

Meas.4 Right Head with Cheek on Middle Channel in GPRS1900 2Slots mode with Antenna1

Date: 2022.06.01

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.382 S/m; ε_r = 40.396; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3°C Liquid Temperature:21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 1.17 W/kg

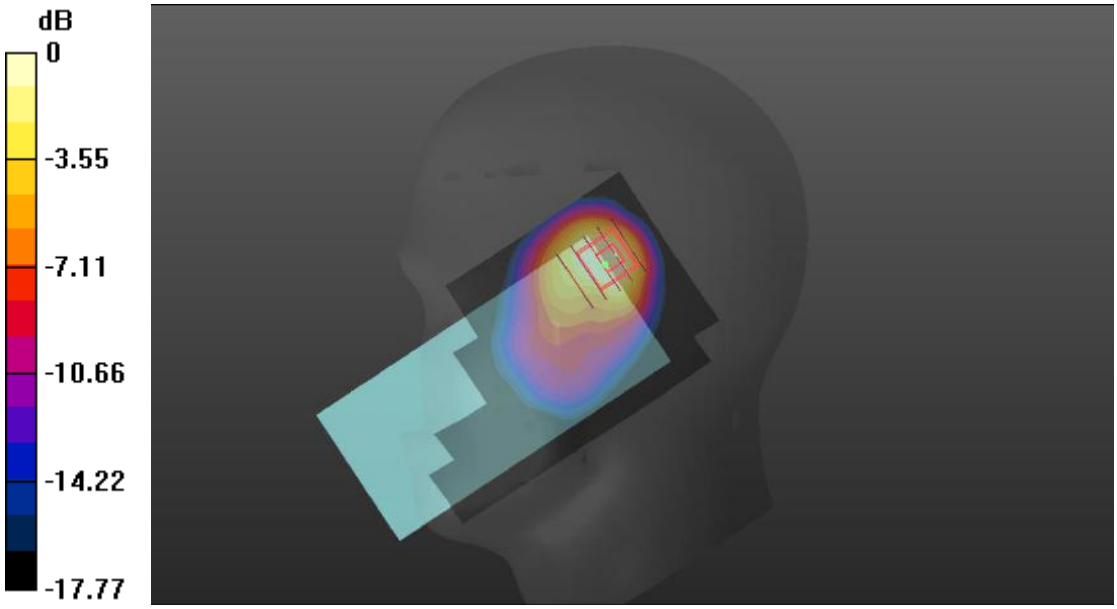
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.59 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.951 W/kg; SAR(10 g) = 0.476 W/kg

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



0 dB = 1.04 W/kg

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

Date: 2022.06.02

Communication System Band: GPRS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.373 S/m; ε_r = 40.39; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8°C Liquid Temperature:21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

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

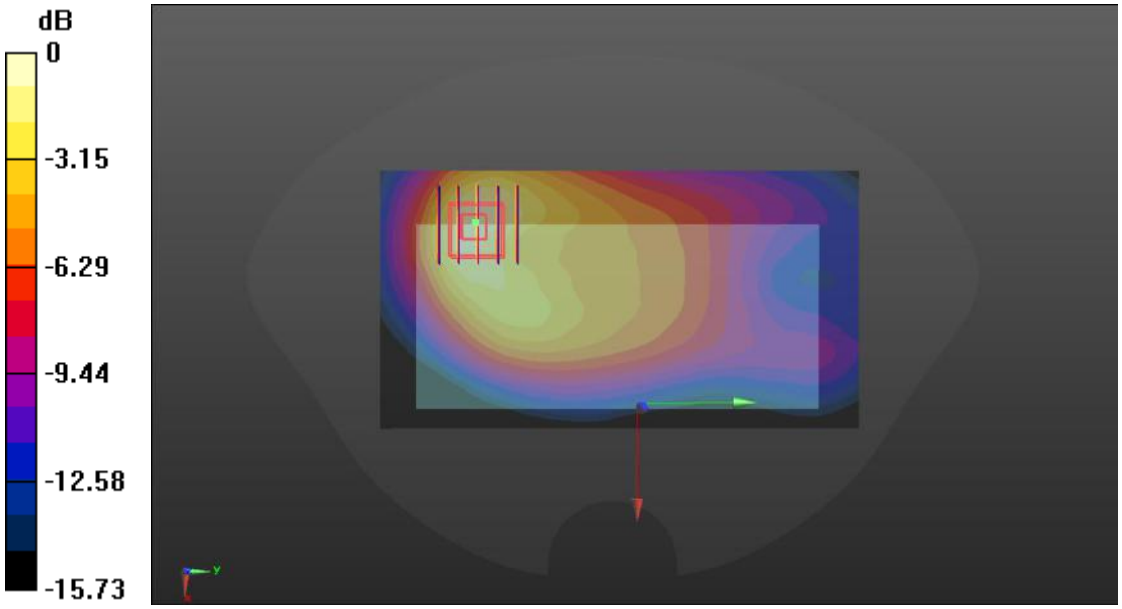
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.43 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.672 W/kg

SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.234 W/kg

Maximum value of SAR (measured) = 0.446 W/kg



0 dB = 0.446 W/kg

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

Date: 2022.06.02

Communication System Band: GPRS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.373 S/m; ε_r = 40.39; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8°C Liquid Temperature:21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

Ch810/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.865 W/kg

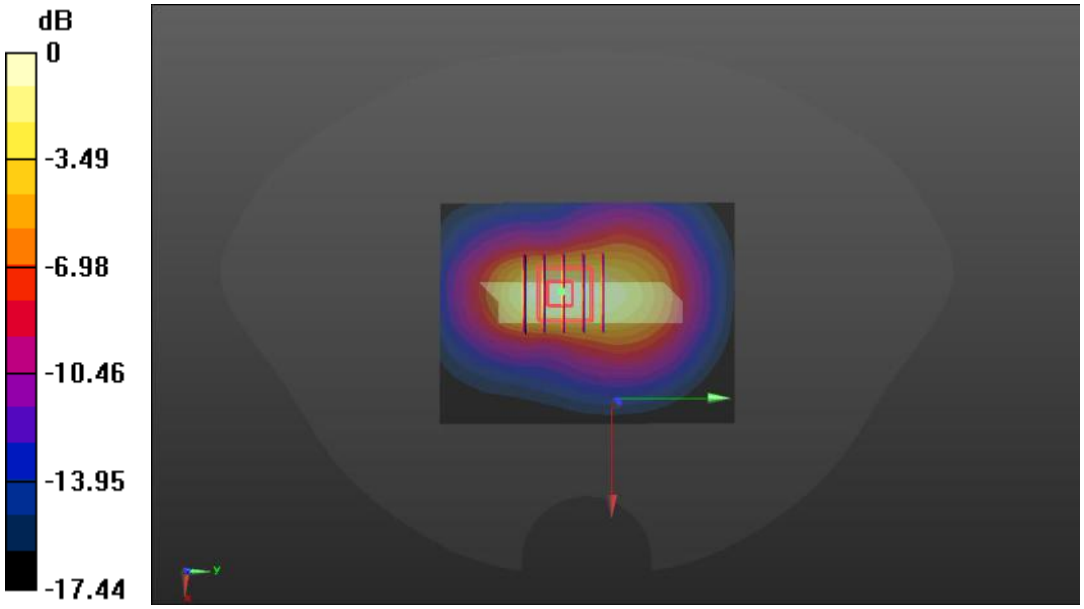
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.84 V/m; Power Drift =0.10 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.760 W/kg; SAR(10 g) = 0.397 W/kg

Maximum value of SAR (measured) = 0.868 W/kg



0 dB = 0.868 W/kg

Meas.7 Right Head with Tilt on High Channel in WCDMA Band2 mode with Antenna1

Date: 2022.06.01

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

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.388 S/m; ε_r = 40.033; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3°C Liquid Temperature:21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

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

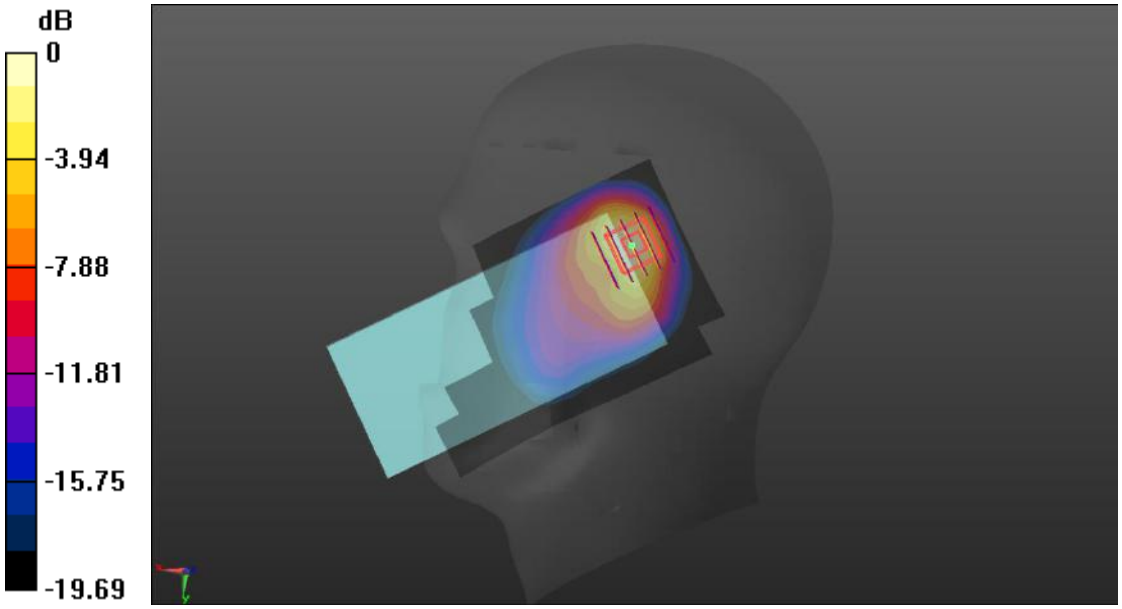
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.36 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.34 W/kg

SAR(1 g) = 0.970 W/kg; SAR(10 g) = 0.454 W/kg

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



0 dB = 1.35 W/kg

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

Date: 2022.06.03

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.362 S/m; ε_r = 40.873; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 0.531 W/kg

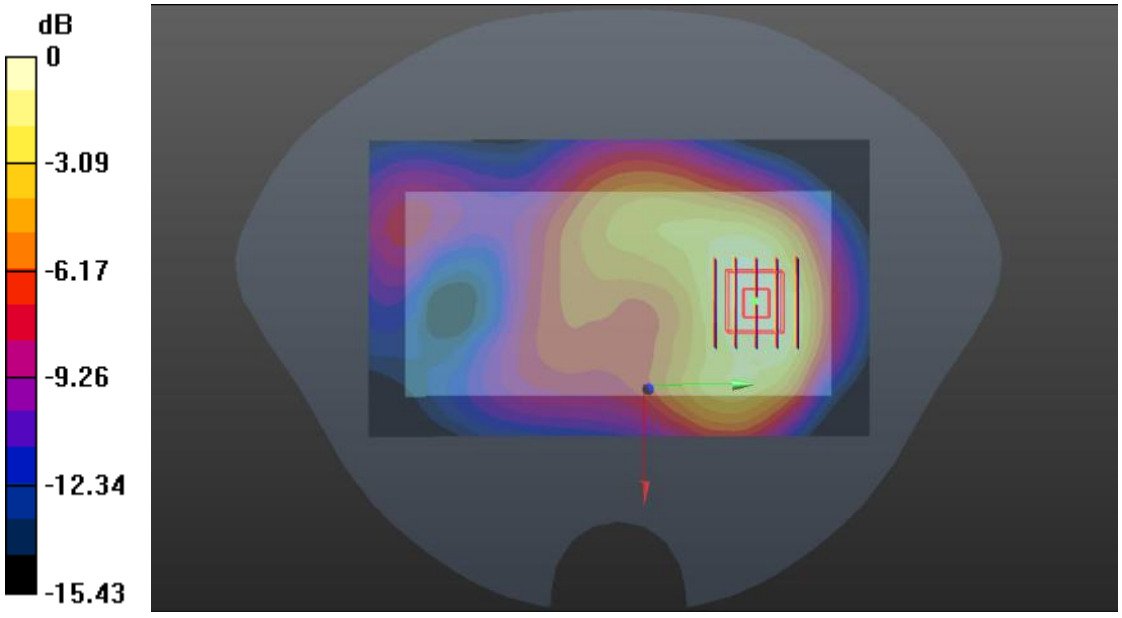
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.12 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.793 W/kg

SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.308 W/kg

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



0 dB = 0.542 W/kg

Meas.9 Body Plane with Bottom Edge 10 mm on Low Channel in WCDMA Band2 mode with Antenna0

Date: 2022.06.03

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

Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.359 S/m; ε_r = 41.12; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

Ch9262/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

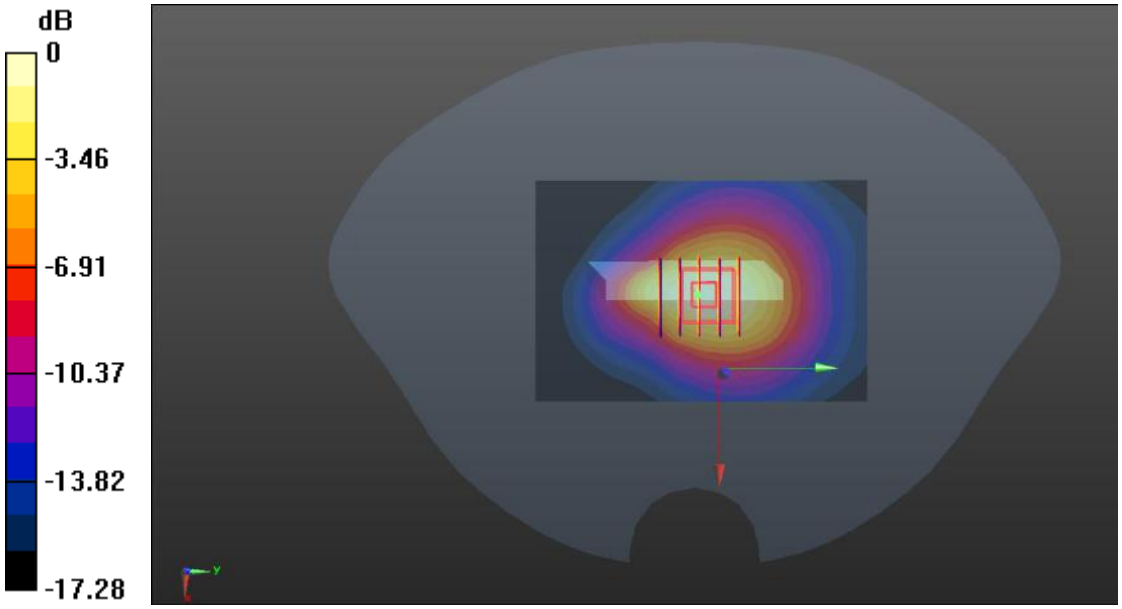
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.25 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.531 W/kg

SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.234 W/kg

Maximum value of SAR (measured) = 0.497 W/kg



0 dB = 0.497 W/kg

Meas.10 Right Head with Tilt on High Channel in WCDMA Band4 mode with Antenna1

Date: 2022.06.15

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

Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.403 S/m; ε_r = 38.95; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3°C Liquid Temperature:21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

Maximum value of SAR (interpolated) = 0.965 W/kg

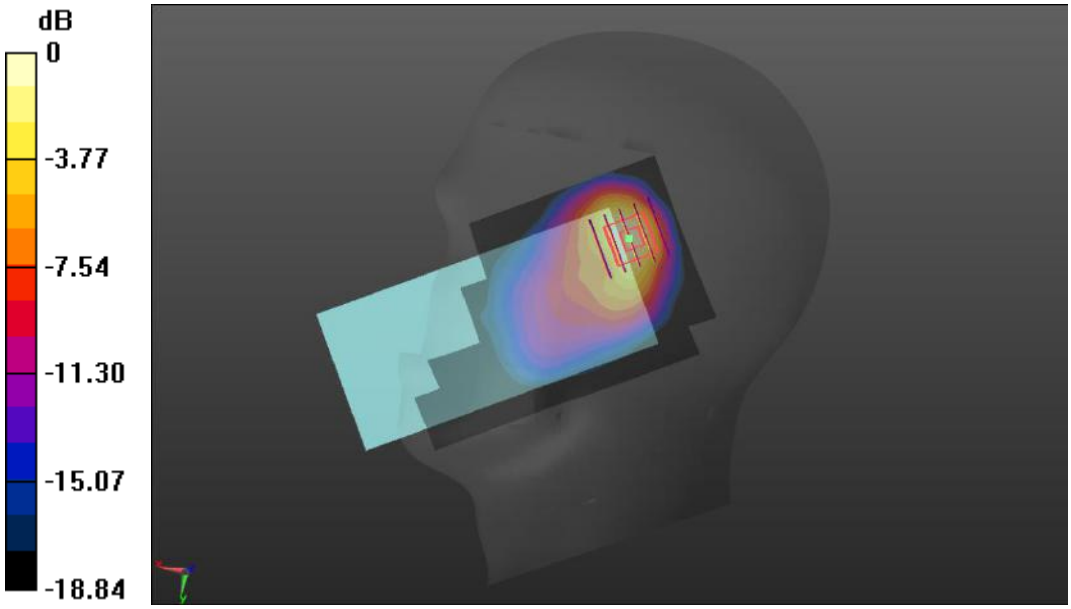
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.98 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.842 W/kg; SAR(10 g) = 0.398 W/kg

Maximum value of SAR (measured) = 0.969 W/kg



0 dB = 0.969 W/kg

Meas.11 Body Plane with Back Side 15 mm on Low Channel in WCDMA Band4 mode with Antenna0

Date: 2022.06.16

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

Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.315 S/m; ε_r = 39.619; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

Maximum value of SAR (interpolated) = 0.242 W/kg

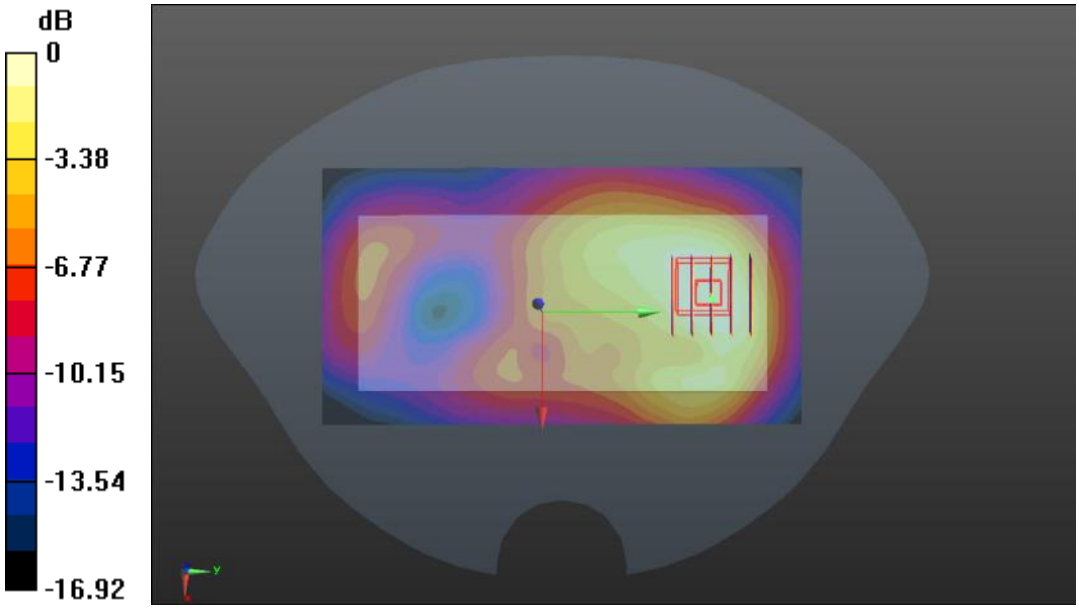
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.476 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.334 W/kg

SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.131 W/kg

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



0 dB = 0.238 W/kg

Meas.12 Body Plane with Bottom Edge 10 mm on Low Channel in WCDMA Band4 mode with Antenna0

Date: 2022.06.16

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

Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.315 S/m; ε_r = 39.619; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

Ch1312/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

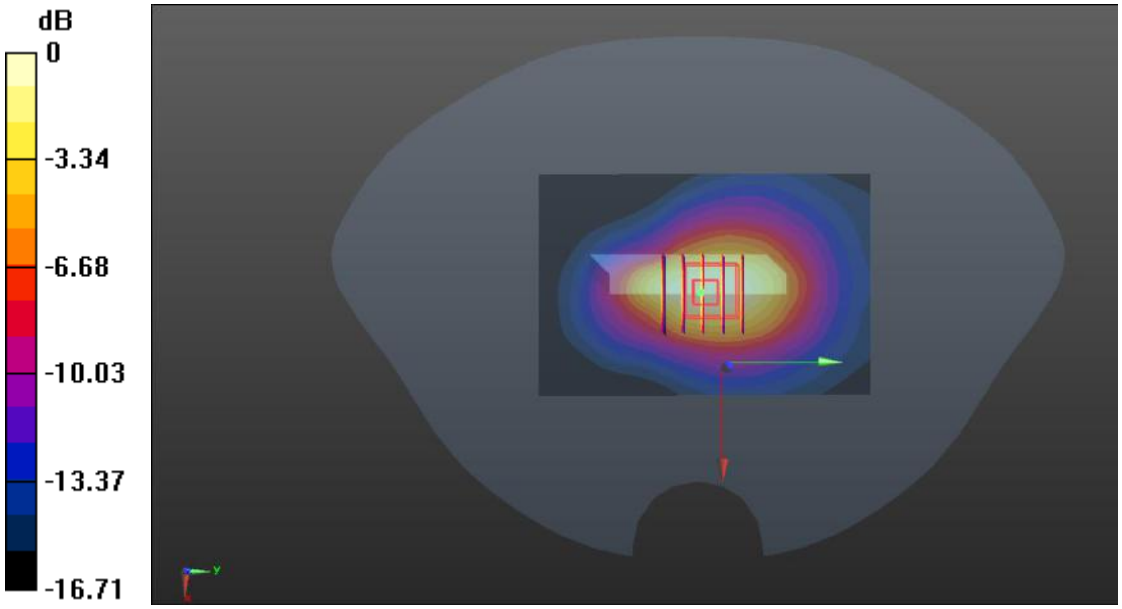
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.17 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.545 W/kg

SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.198 W/kg

Maximum value of SAR (measured) = 0.377 W/kg



0 dB = 0.377 W/kg

Meas.13 Right Head with Cheek on Middle Channel in WCDMA Band5 mode with Antenna1

Date: 2022.06.07

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.912 S/m; ε_r = 41.757; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3°C Liquid Temperature:21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 0.979 W/kg

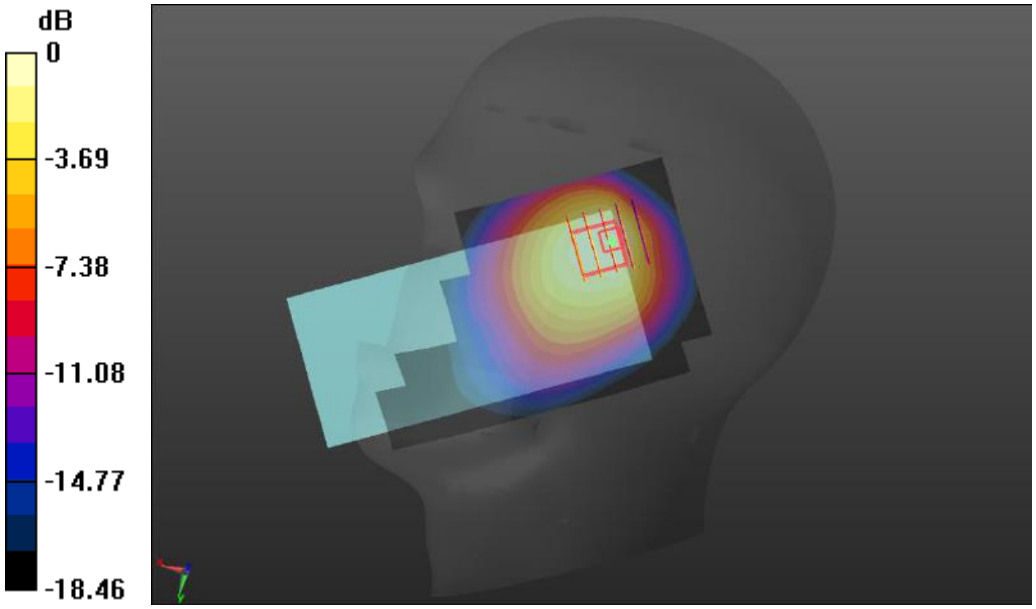
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.22 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.707 W/kg; SAR(10 g) = 0.431 W/kg

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



0 dB = 0.744 W/kg

Meas.14 Body Plane with Back Side 15mm on Low Channel in WCDMA Band5 mode with Antenna0

Date: 2022.06.09

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

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.883 S/m; ε_r = 40.715; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 0.142 W/kg

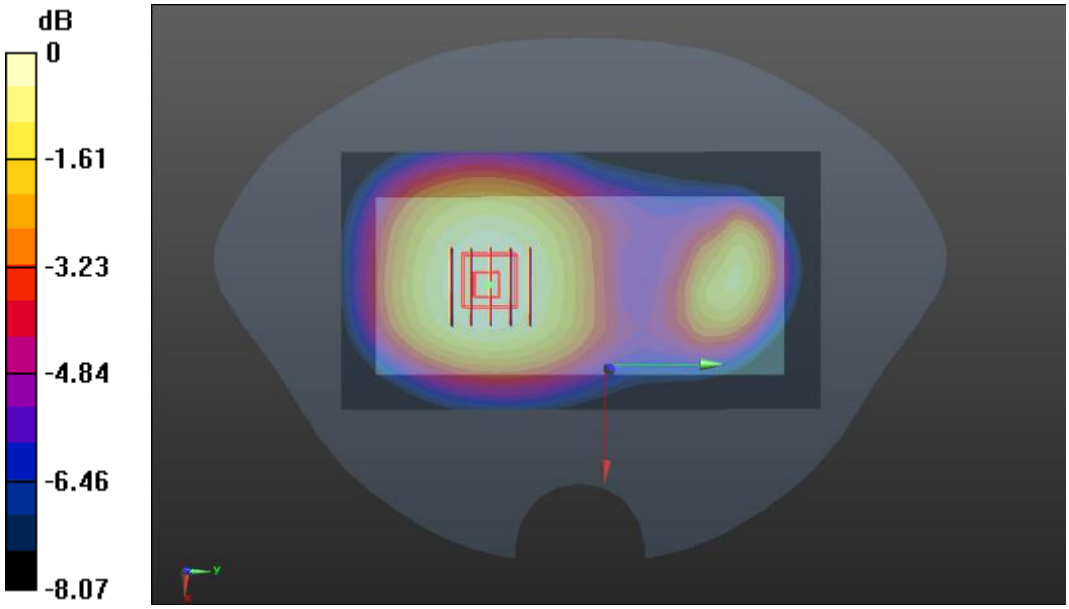
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.911 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.102 W/kg

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



0 dB = 0.140 W/kg

Meas.15 Body Plane with Back Side 10mm on Low Channel in WCDMA Band5 mode with Antenna0

Date: 2022.06.09

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

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.883 S/m; ε_r =40.715; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 0.233 W/kg

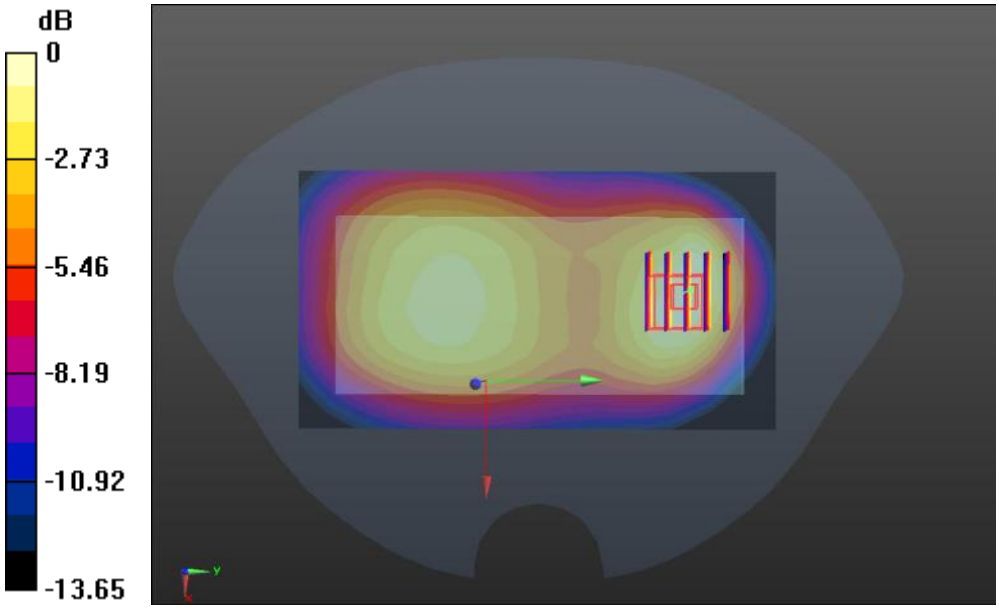
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.07 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.333 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.134 W/kg

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



0 dB = 0.229 W/kg

Meas.16 Right Head with Tilt on High Channel in LTE Band2 mode with Antenna1

Date: 2022.06.04

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

Medium parameters used: f = 1900 MHz; σ = 1.413 S/m; ε_r = 40.312; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.9°C Liquid Temperature:21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

Maximum value of SAR (interpolated) = 1.24 W/kg

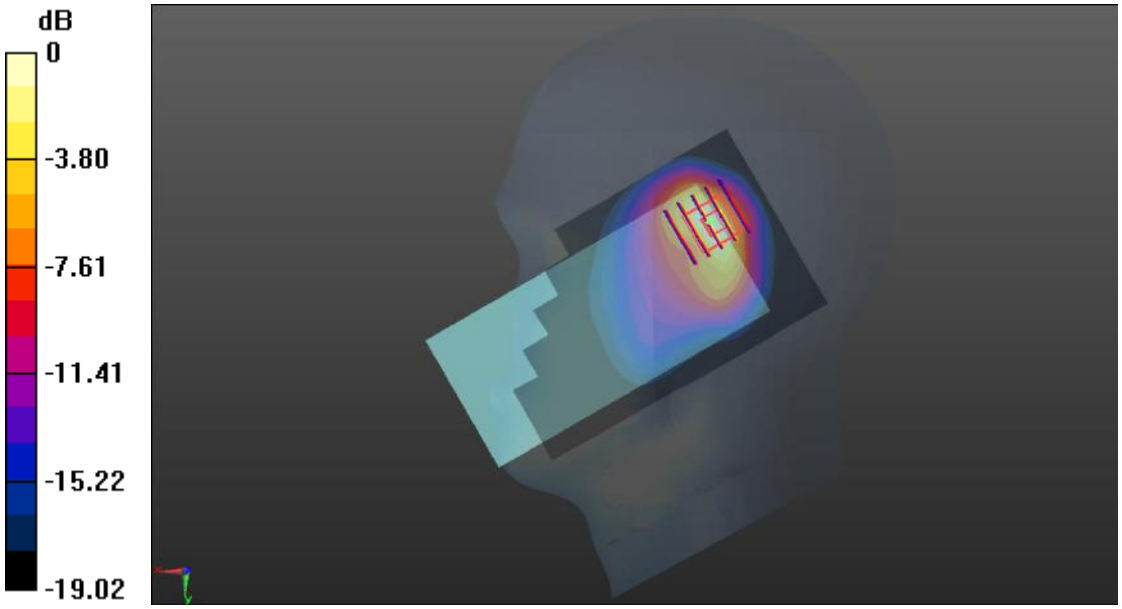
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.33 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.475 W/kg

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



0 dB = 1.15 W/kg

Meas.17 Body Plane with Back Side 15mm on Middle Channel in LTE Band2 mode with Antenna1

Date: 2022.06.05

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

Medium parameters used: f = 1900 MHz; σ = 1.395 S/m; ε_r = 39.324; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3°C Liquid Temperature:21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 0.411 W/kg

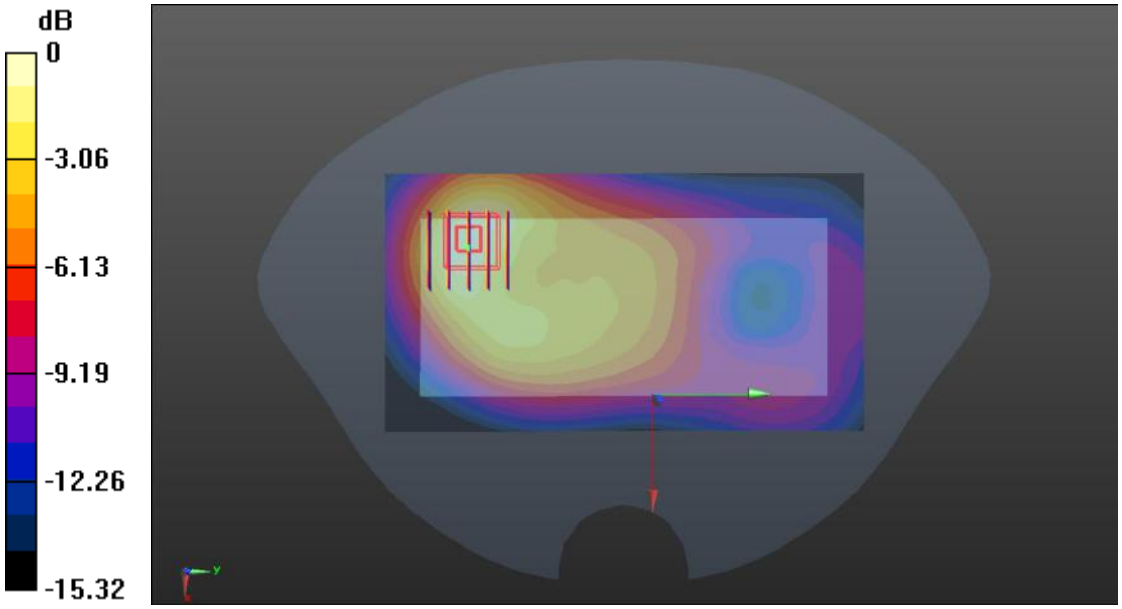
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.64 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.598 W/kg

SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.211 W/kg

Maximum value of SAR (measured) = 0.398 W/kg



0 dB = 0.398 W/kg

Meas.18 Body Plane with Bottom Side 10mm on Middle Channel in LTE Band2 mode with Antenna0

Date: 2022.06.05

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

Medium parameters used: f = 1880 MHz; σ = 1.389 S/m; ε_r = 39.8; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3°C Liquid Temperature:21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.705 W/kg

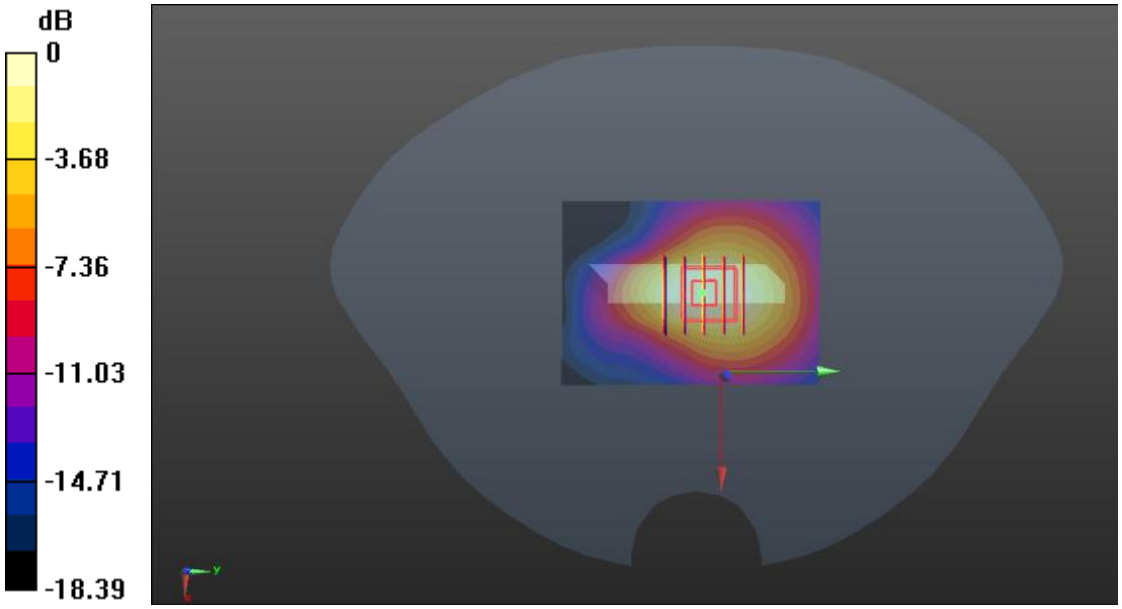
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.12 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.887 W/kg

SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.313 W/kg

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



0 dB = 0.590 W/kg

Meas.19 Right Head with Tilt on High Channel in LTE Band4 mode with Antenna1

Date: 2022.06.17

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.383 S/m; ε_r = 41.043; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5°C Liquid Temperature:21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 1.12 W/kg

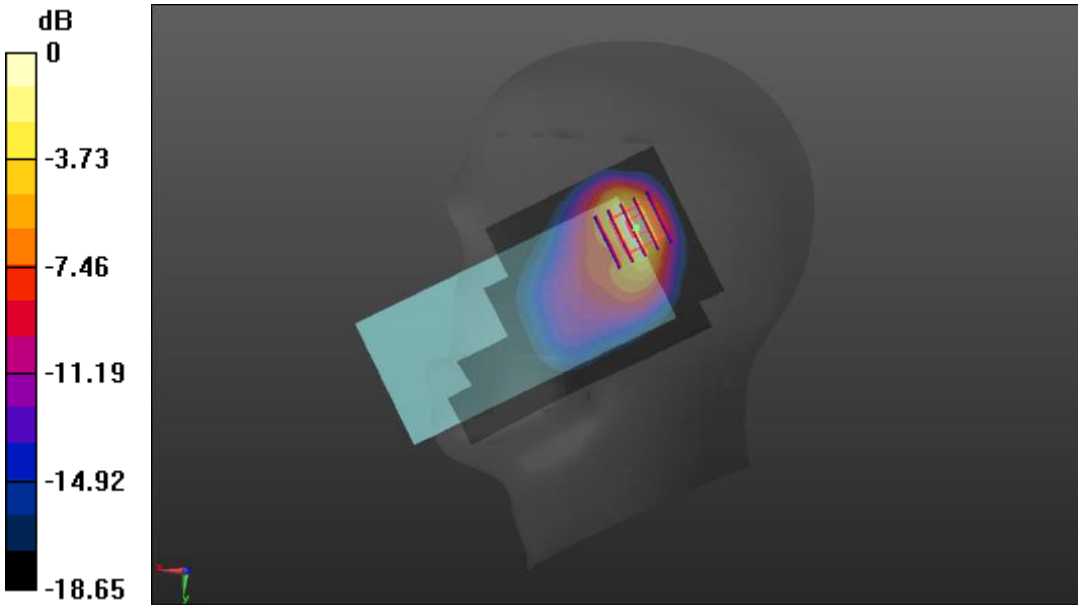
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.59 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 0.937 W/kg; SAR(10 g) = 0.435 W/kg

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



0 dB = 1.09 W/kg

Meas.20 Body Plane with Back Side 15 mm on High Channel in LTE Band4 mode with Antenna0

Date: 2022.06.18

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.394 S/m; ε_r = 39.091; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.193 W/kg

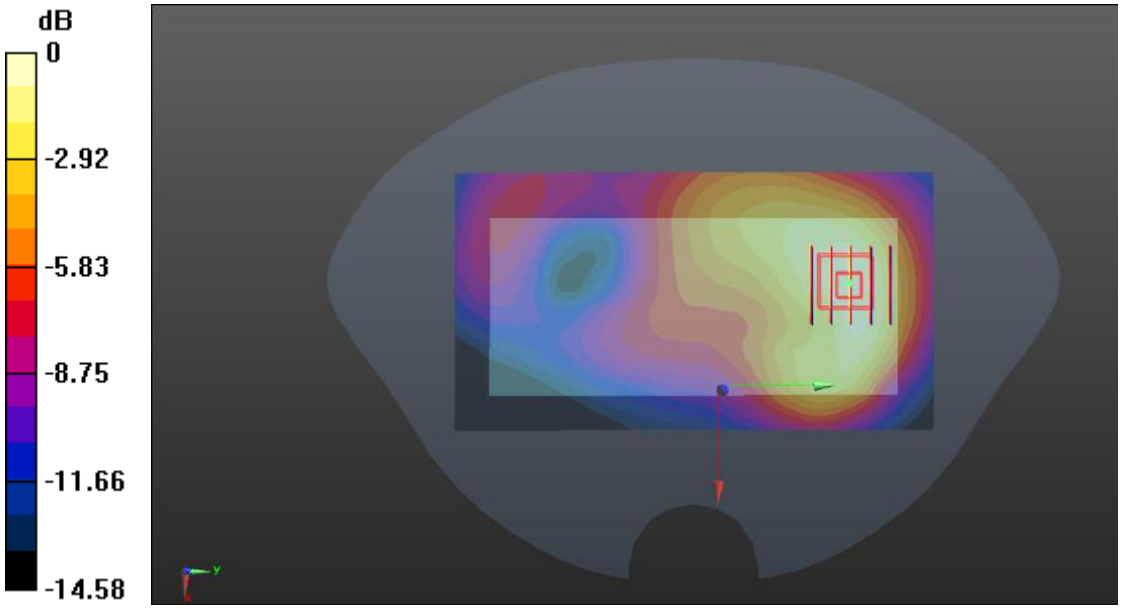
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.63 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.265 W/kg

SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.189 W/kg



0 dB = 0.189 W/kg

Meas.21 Body Plane with Bottom Edge 10 mm on High Channel in LTE Band4 mode with Antenna0

Date: 2022.06.18

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.394 S/m; ε_r = 39.091; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.374 W/kg

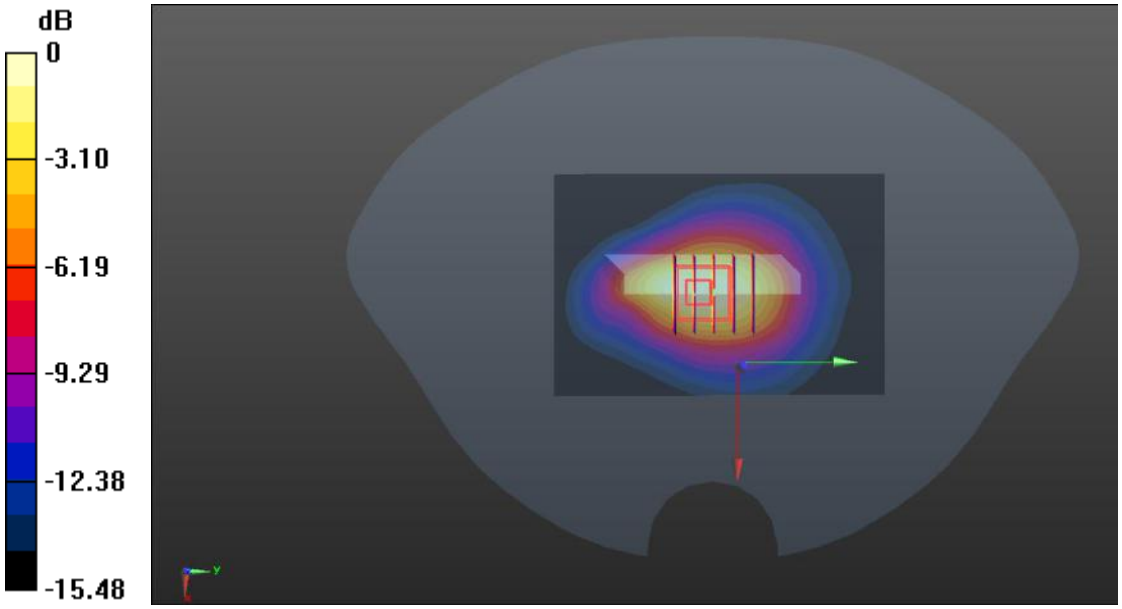
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.55 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.541 W/kg

SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 0.367 W/kg



0 dB = 0.367 W/kg

Meas.22 Right Head with Cheek on Middle Channel in LTE Band5 mode with Antenna1

Date: 2022.06.10

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

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.904 S/m; ε_r = 42.589; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2°C Liquid Temperature:21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.840 W/kg

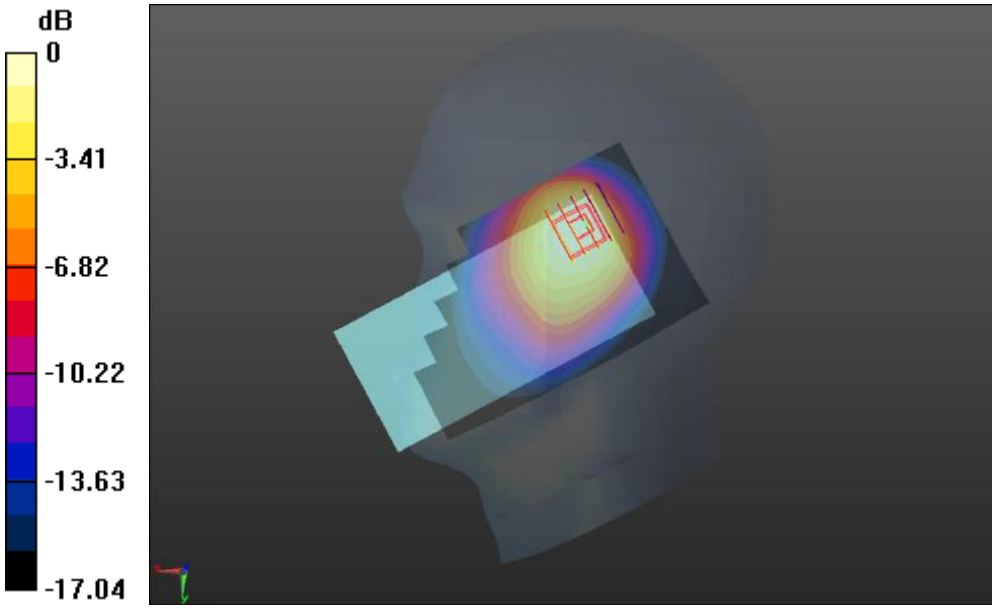
CH20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.56 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.448 W/kg

Maximum value of SAR (measured) = 0.764 W/kg



0 dB = 0.764 W/kg

Meas.23 Body Plane with Back Side 15 mm on High Channel in LTE Band5 mode with Antenna0

Date: 2022.06.11

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

Medium parameters used (interpolated): f = 844 MHz; σ = 0.923 S/m; ε_r = 41.323; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7°C Liquid Temperature:21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

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

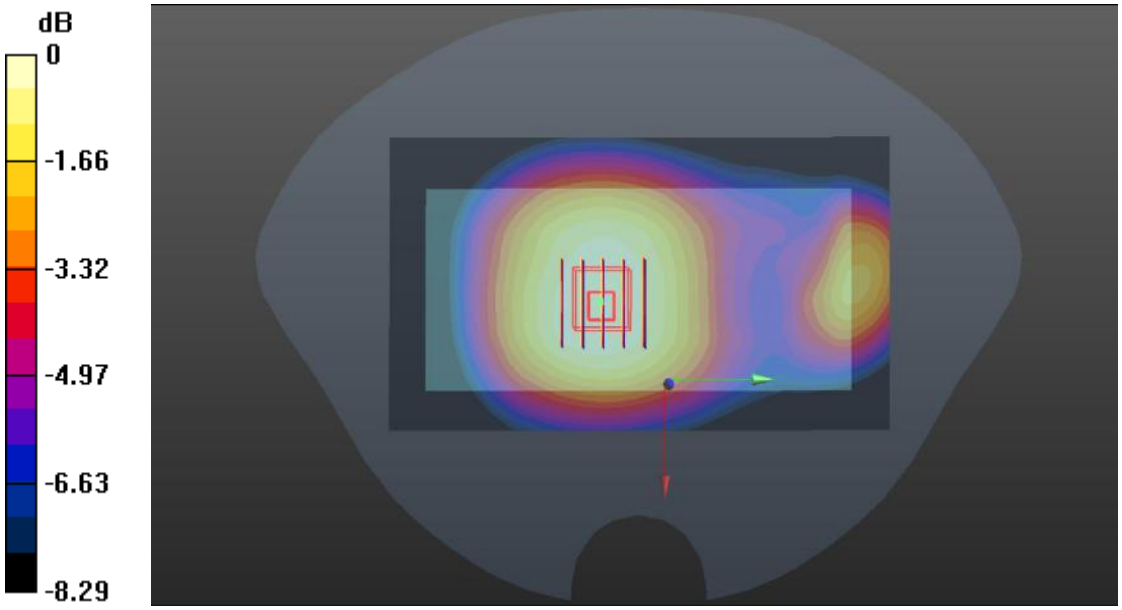
Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.98 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.156 W/kg

SAR(1 g) = 0.124 W/kg; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.129 W/kg



0 dB = 0.129 W/kg

Meas.24 Body Plane with Back Side 10mm on High Channel in LTE Band5 mode with Antenna0

Date: 2022.06.11

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

Medium parameters used (interpolated): f = 844 MHz; σ = 0.923 S/m; ε_r = 41.323; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7°C Liquid Temperature:21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

Maximum value of SAR (interpolated) = 0.185 W/kg

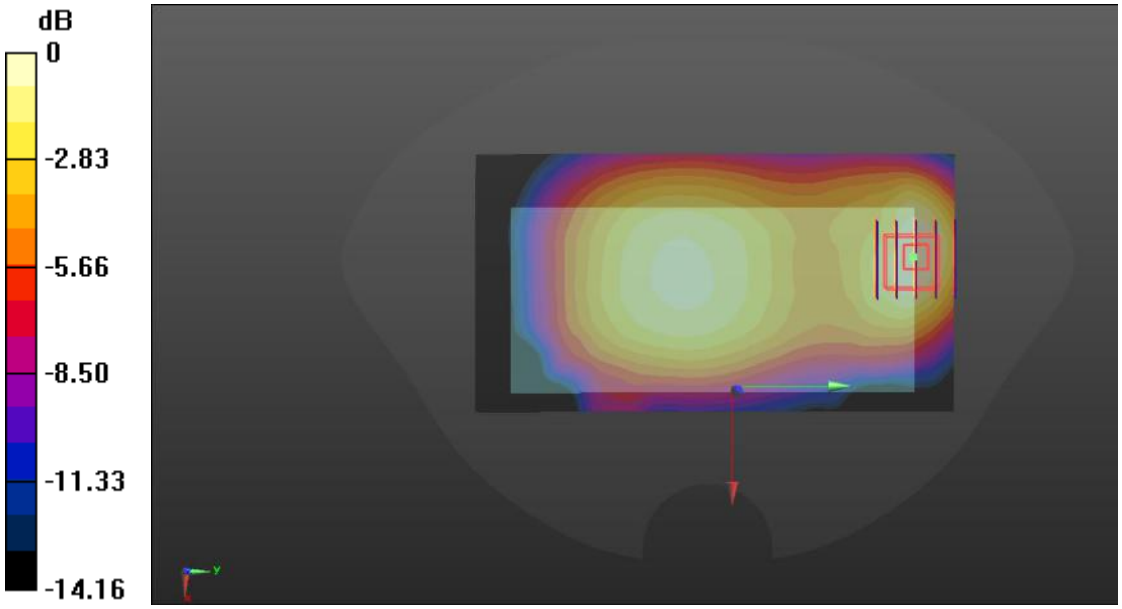
Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.812 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.283 W/kg

SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.109 W/kg

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



0 dB = 0.188 W/kg

Meas.25 Right Head with Tilt on Middle Channel in LTE Band7 mode with Antenna1

Date: 2022.07.03

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

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.887 S/m; ε_r = 39.321; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5°C Liquid Temperature:21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

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

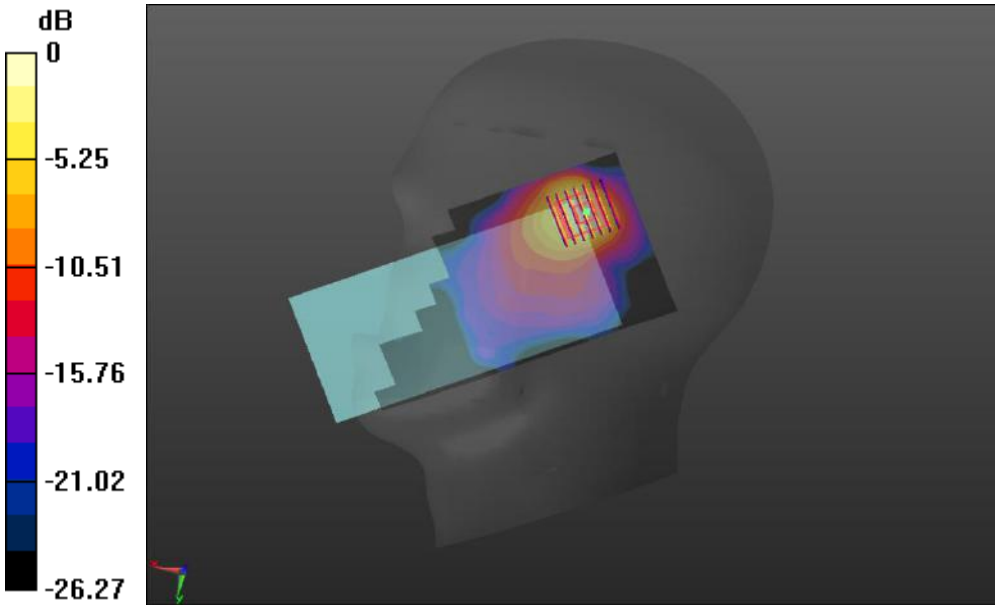
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.272 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.589 W/kg; SAR(10 g) = 0.242 W/kg

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



0 dB = 0.710 W/kg

Meas.26 Body Plane with Back Side 15 mm on Low Channel in LTE Band7 mode with Antenna0

Date: 2022.07.04

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

Medium parameters used (interpolated): f = 2510 MHz; σ = 1.806 S/m; ε_r = 40.026; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

Ch20850/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.231 W/kg

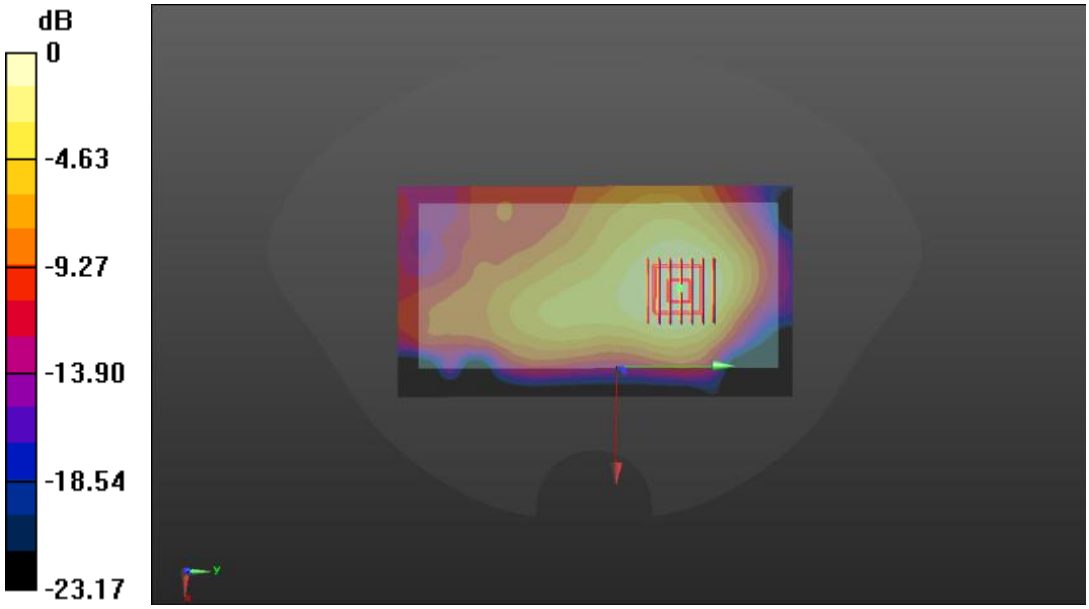
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.553 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.362 W/kg

SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.224 W/kg



0 dB = 0.224 W/kg

Meas.27 Body Plane with Back Side 10mm on Low Channel in LTE Band7 mode with Antenna0

Date: 2022.07.04

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

Medium parameters used (interpolated): f = 2510 MHz; σ = 1.806 S/m; ε_r = 40.026; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

Ch20850/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.424 W/kg

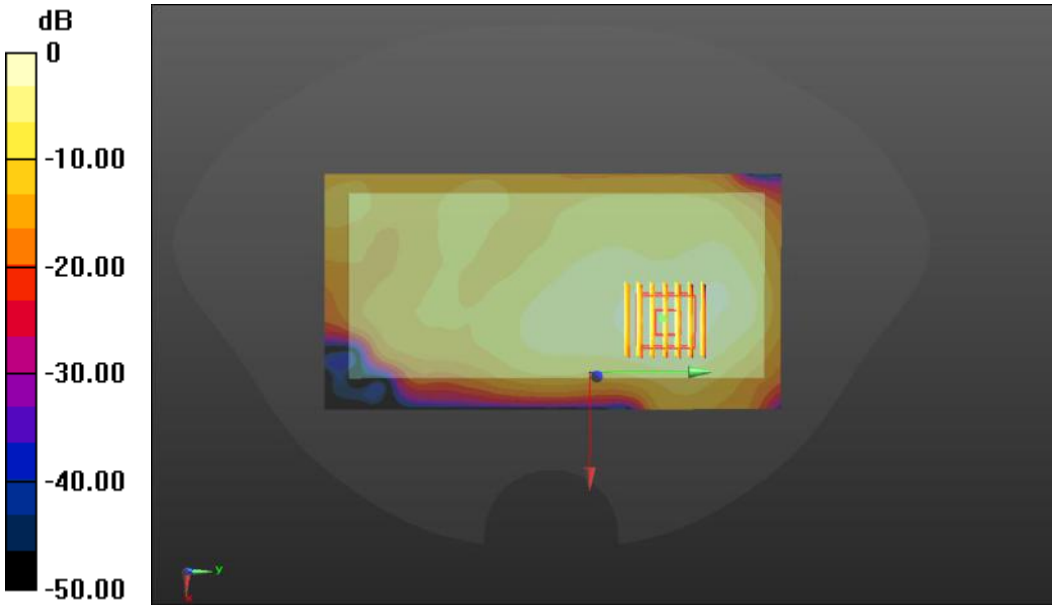
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.273 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.654 W/kg

SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.196 W/kg

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



0 dB = 0.422 W/kg

Meas.28 Right Head with Tilt on Middle Channel in LTE Band12 mode with Antenna1

Date: 2022.06.01

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

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.874 S/m; ε_r = 42.243; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1°C Liquid Temperature:21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

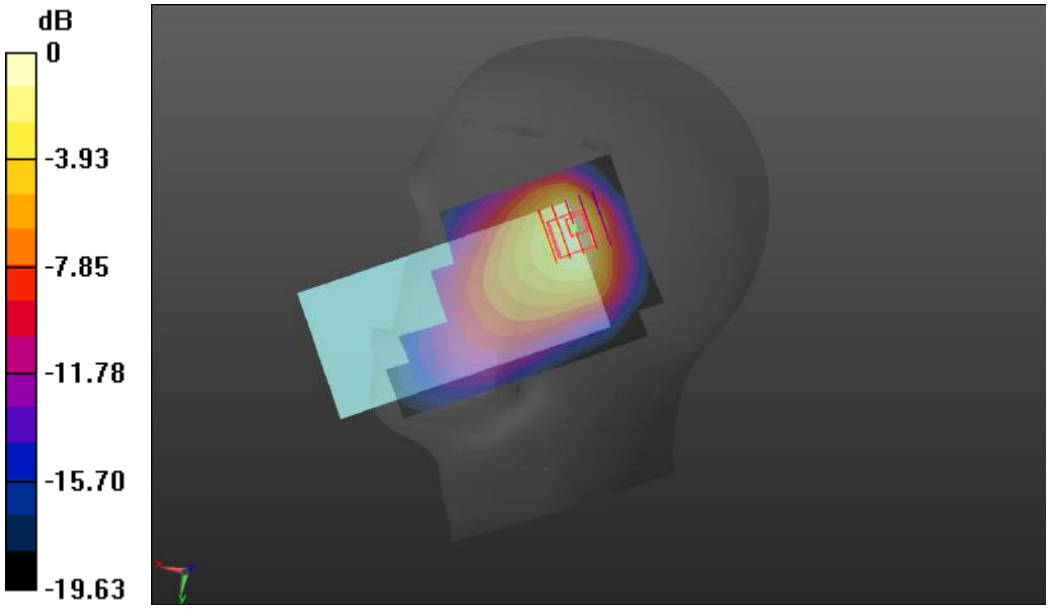
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.25 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.736 W/kg

SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.161 W/kg

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



0 dB = 0.326 W/kg

Meas.29 Body Plane with Back Side 15 mm on High Channel in LTE Band12 mode with Antenna0

Date: 2022.06.02

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

Medium parameters used (interpolated): f = 711 MHz; σ = 0.898 S/m; ε_r = 42.982; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23130/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

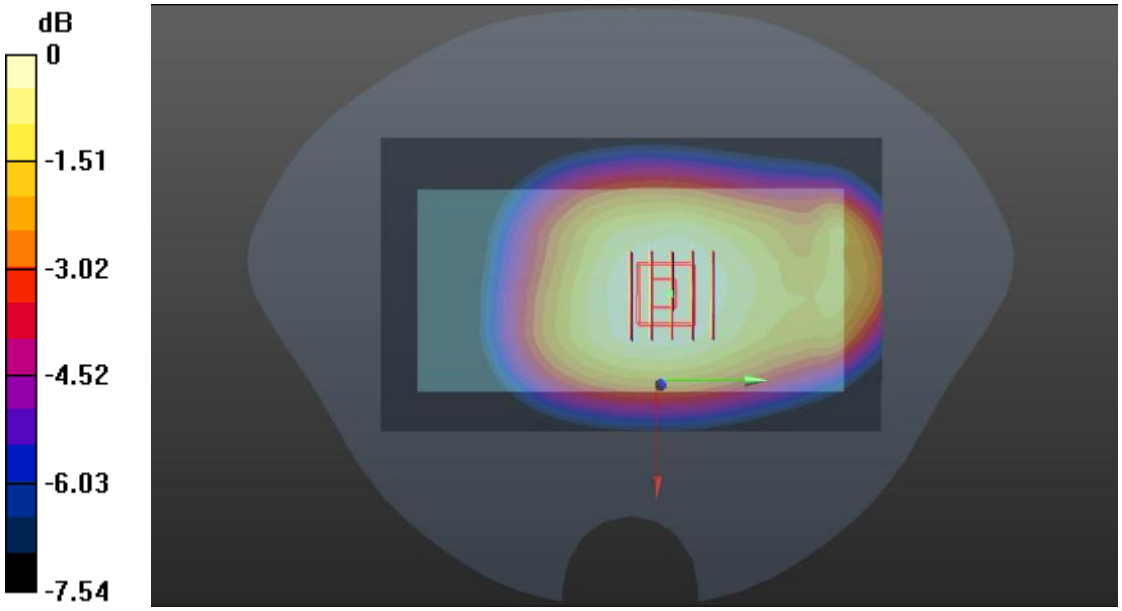
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.28 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.119 W/kg

Maximum value of SAR (measured) = 0.161 W/kg



0 dB = 0.161 W/kg

Meas.30 Body Plane with Right Edge 10 mm on High Channel in LTE Band12 mode with Antenna0

Date: 2022.06.02

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

Medium parameters used (interpolated): f = 711 MHz; σ = 0.898 S/m; ε_r = 42.982; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23130/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

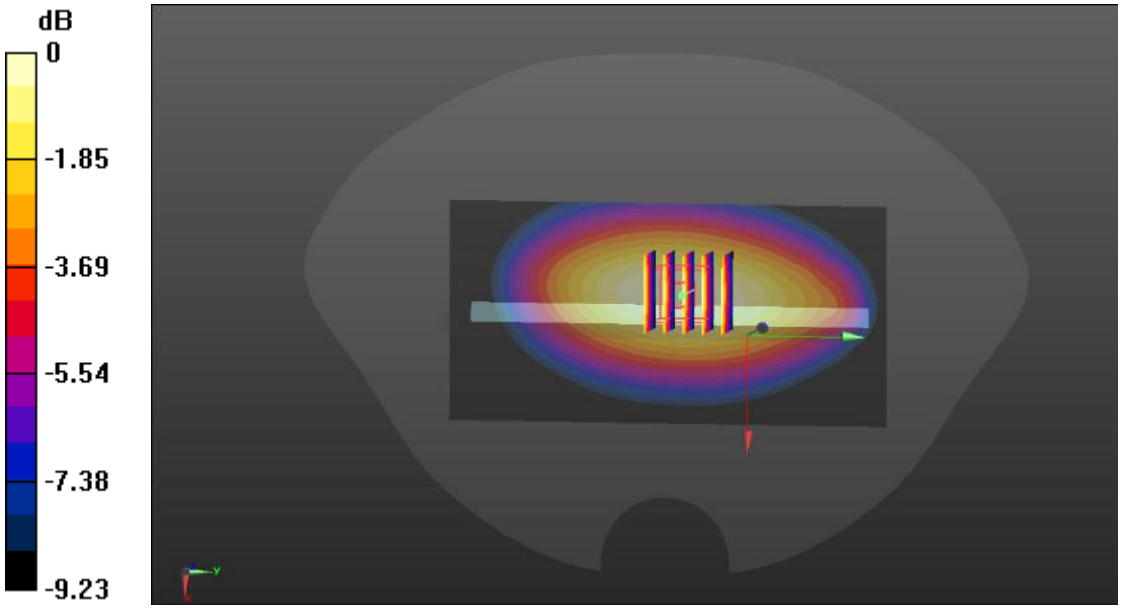
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.88 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.269 W/kg

SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.135 W/kg

Maximum value of SAR (measured) = 0.206 W/kg



0 dB = 0.206 W/kg

Meas.31 Right Head with Cheek on Middle Channel in LTE Band13 mode with Antenna1

Date: 2022.06.03

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

Medium parameters used (interpolated): f = 782 MHz; σ = 0.915 S/m; ε_r = 42.105; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CH23230/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.416 W/kg

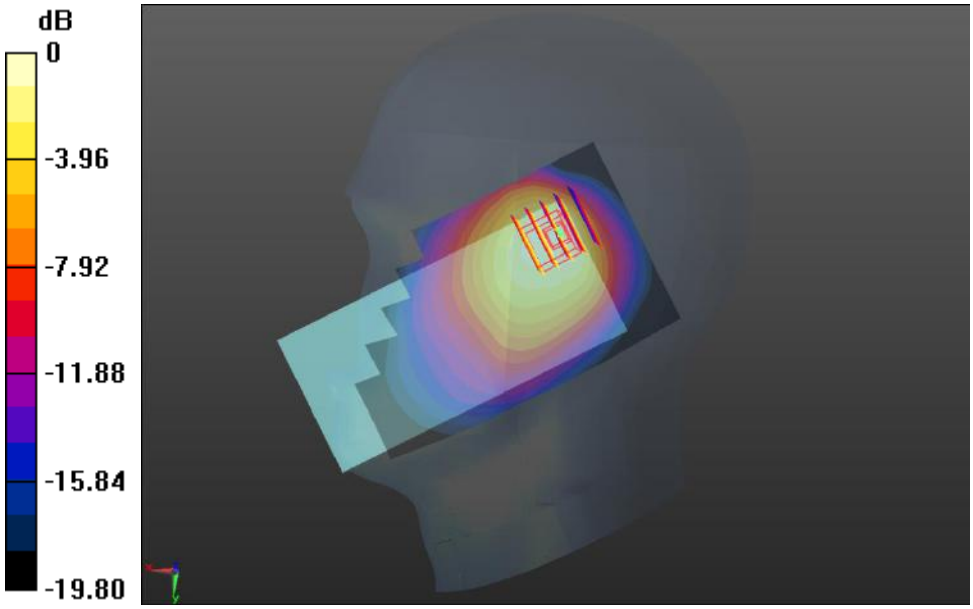
CH23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.97 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.636 W/kg

SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.192 W/kg

Maximum value of SAR (measured) = 0.350 W/kg



0 dB = 0.350 W/kg

Meas.32 Body Plane with Back Side 15mm on Middle Channel in LTE Band13 mode with Antenna0

Date: 2022.06.04

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

Medium parameters used (interpolated): f = 782 MHz; σ = 0.9 S/m; ε_r = 42.231; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.0819 W/kg

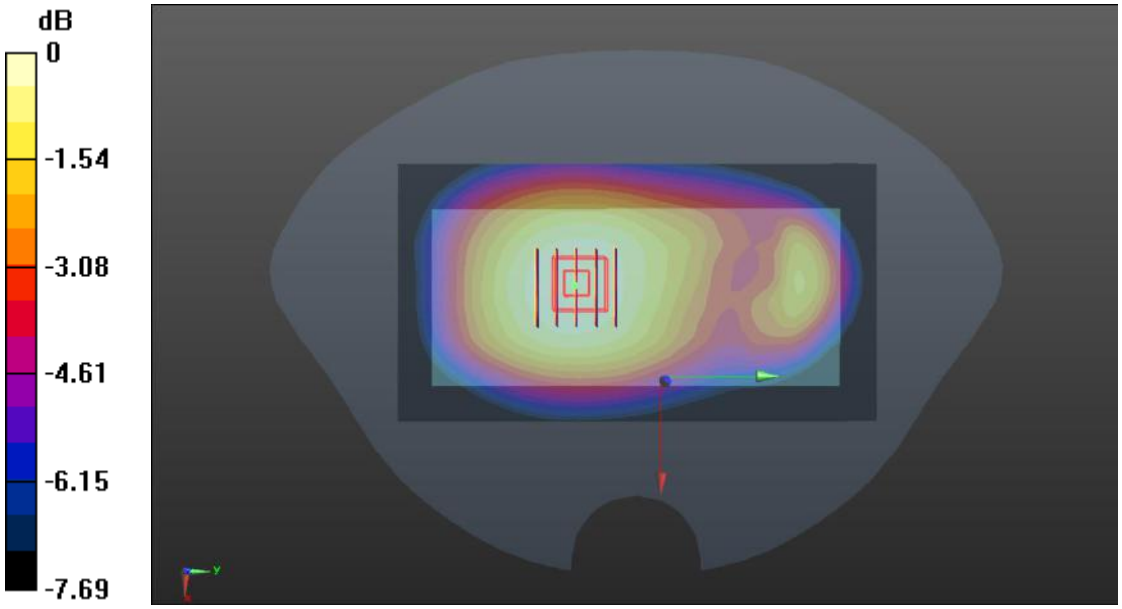
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.070 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.0940 W/kg

SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.059 W/kg

Maximum value of SAR (measured) = 0.0813 W/kg



0 dB = 0.0813 W/kg

Meas.33 Body Plane with Back Side 10mm on Middle Channel in LTE Band13 mode with Antenna0

Date: 2022.06.04

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

Medium parameters used (interpolated): f = 782 MHz; σ = 0.9 S/m; ε_r = 42.231; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.116 W/kg

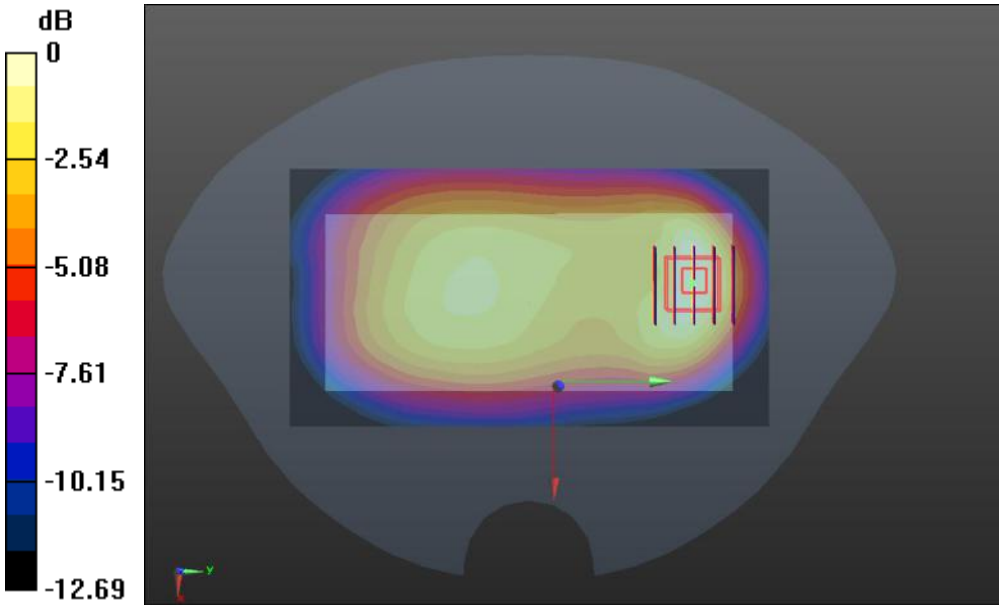
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.787 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.063 W/kg

Maximum value of SAR (measured) = 0.115 W/kg



0 dB = 0.115 W/kg

Meas.34 Right Head with Tilt on Middle Channel in LTE Band17 mode with Antenna1

Date: 2022.06.05

Communication System Band: Band 17; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 710 MHz; σ = 0.867 S/m; ε_r =41.474; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4°C Liquid Temperature:21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23790/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

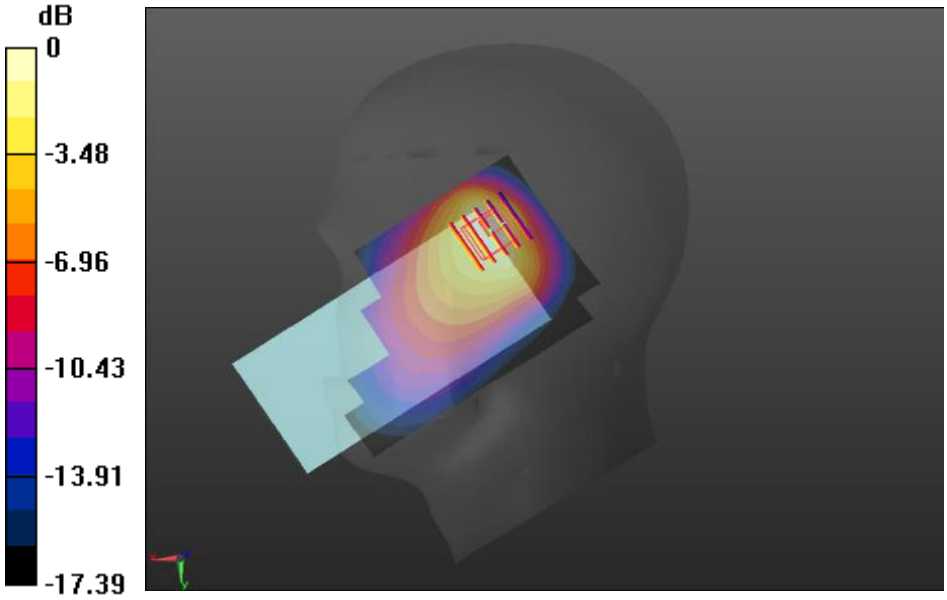
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.83 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.666 W/kg

SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.154 W/kg

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



0 dB = 0.280 W/kg

Meas.35 Body Plane with Back Side 15 mm on Low Channel in LTE Band17 mode with Antenna0

Date: 2022.06.06

Communication System Band: Band 17; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 710 MHz; σ = 0.859 S/m; ε_r = 43.16; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23790/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.179 W/kg

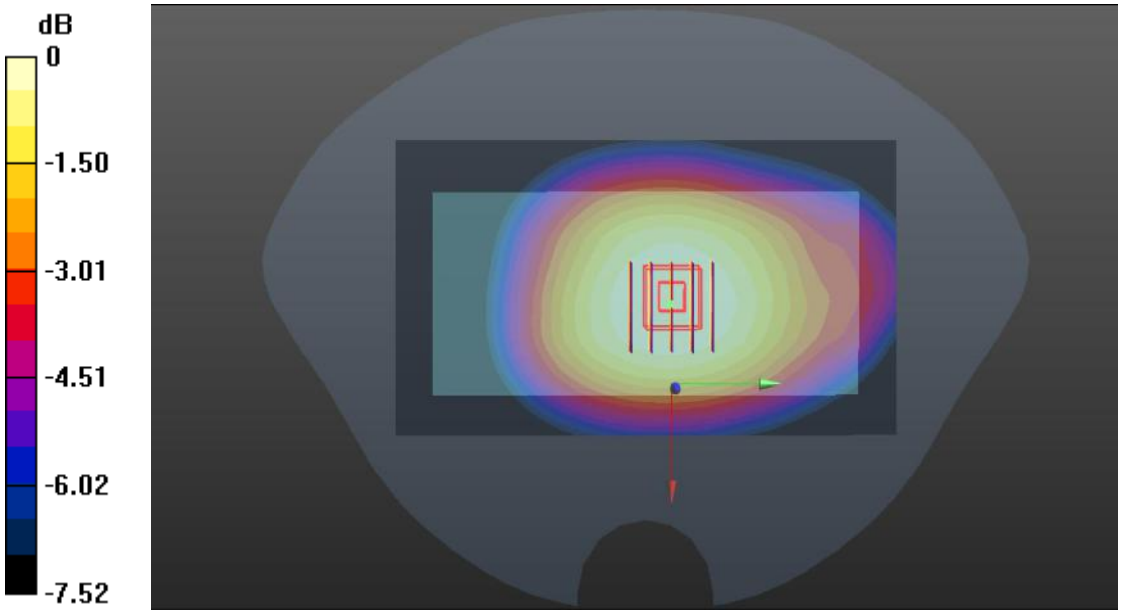
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.07 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.207 W/kg

SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.131 W/kg

Maximum value of SAR (measured) = 0.176 W/kg



0 dB = 0.176 W/kg

Meas.36 Body Plane with Right Side 10mm on Middle Channel in LTE Band17 mode with Antenna0

Date: 2022.06.06

Communication System Band: Band 17; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 710 MHz; σ = 0.859 S/m; ε_r = 43.16; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23790/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.228 W/kg

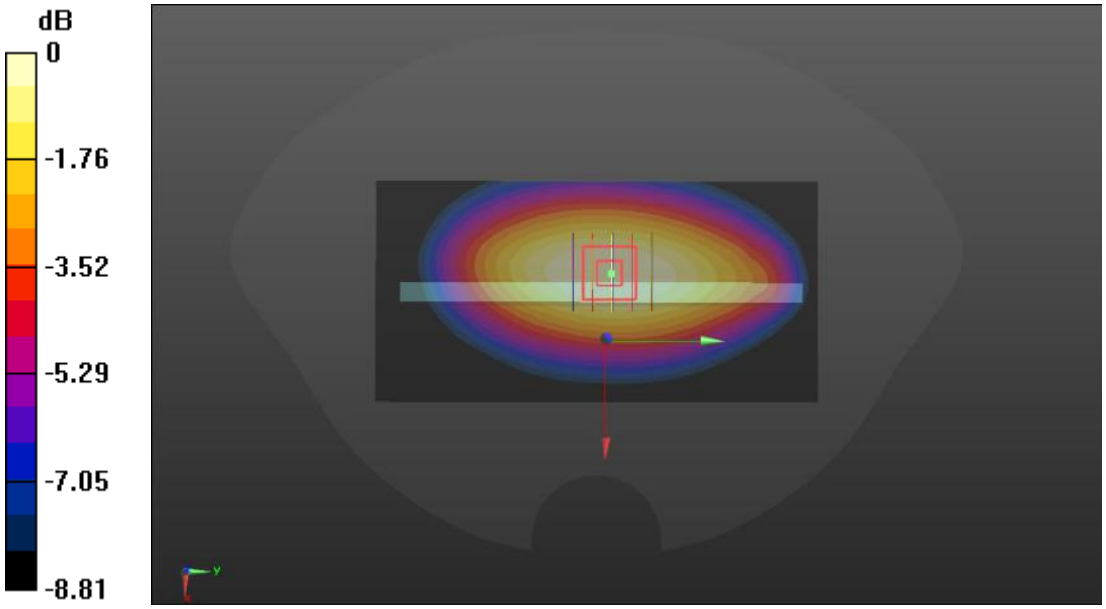
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.21 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.284 W/kg

SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.144 W/kg

Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.218 W/kg

Meas.37 Right Head with Cheek on High Channel in LTE Band26 mode with Antenna1

Date: 2022.06.12

Communication System Band: Band 26; Frequency: 841.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 841.5 MHz; σ = 0.906 S/m; ε_r = 41.069; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

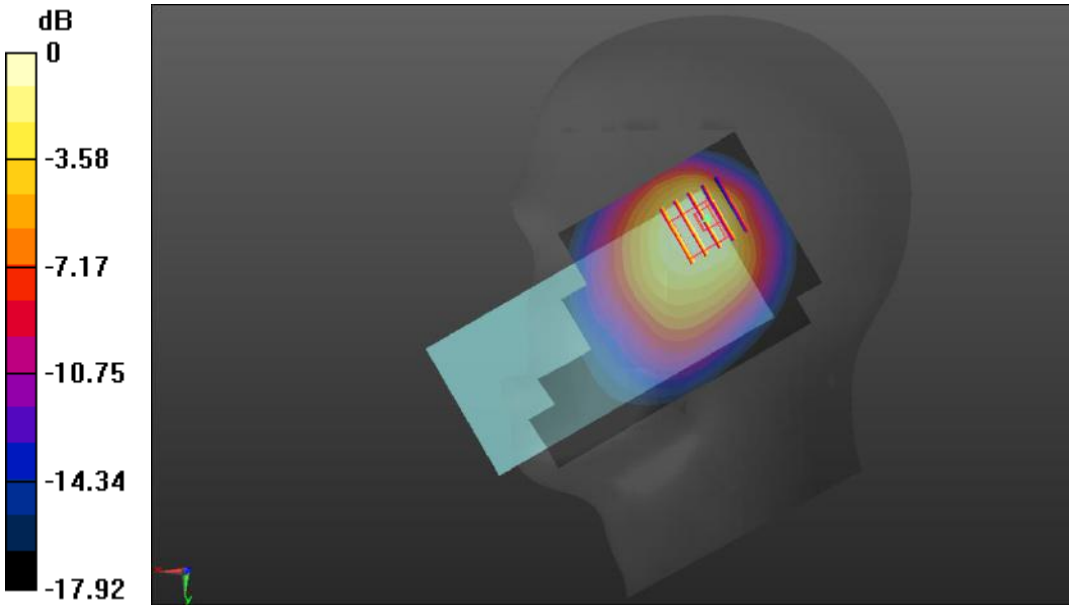
CH26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.18 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.776 W/kg; SAR(10 g) = 0.475 W/kg

Maximum value of SAR (measured) = 0.820 W/kg



0 dB = 0.820 W/kg

Meas.38 Body Plane with Back Side 15mm on Middle Channel in LTE Band26 mode with Antenna0

Date: 2022.06.13

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

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.907 S/m; ε_r = 40.737; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

Maximum value of SAR (interpolated) = 0.115 W/kg

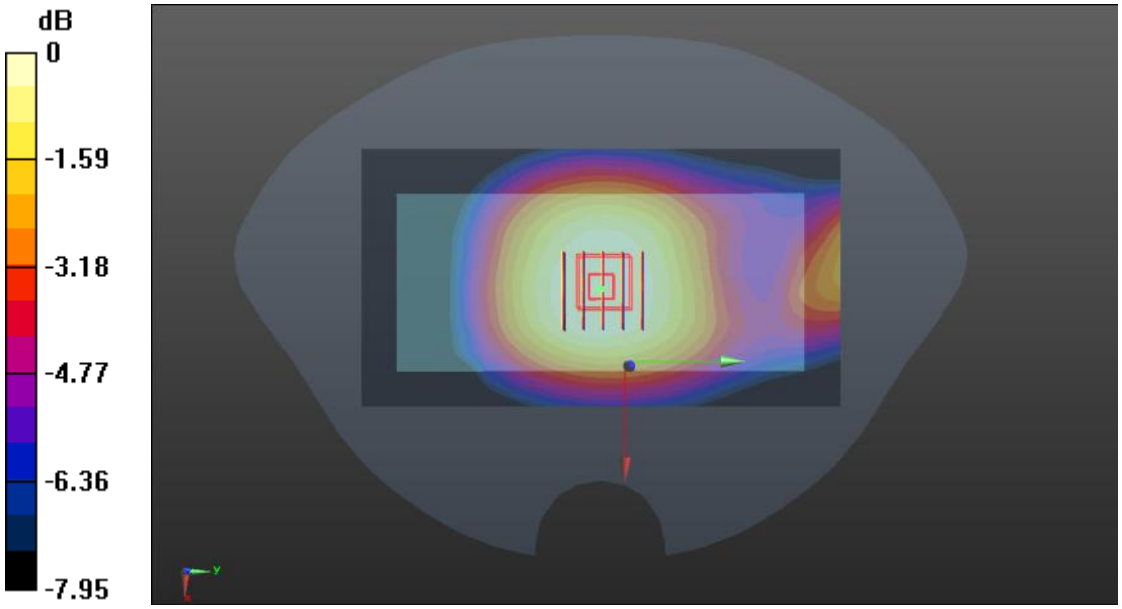
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.08 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.131 W/kg

SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.081 W/kg

Maximum value of SAR (measured) = 0.110 W/kg



0 dB = 0.110 W/kg

Meas.39 Body Plane with Back Side 10mm on Middle Channel in LTE Band26 mode with Antenna0

Date: 2022.06.13

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

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.907 S/m; ε_r = 40.737; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

Maximum value of SAR (interpolated) = 0.185 W/kg

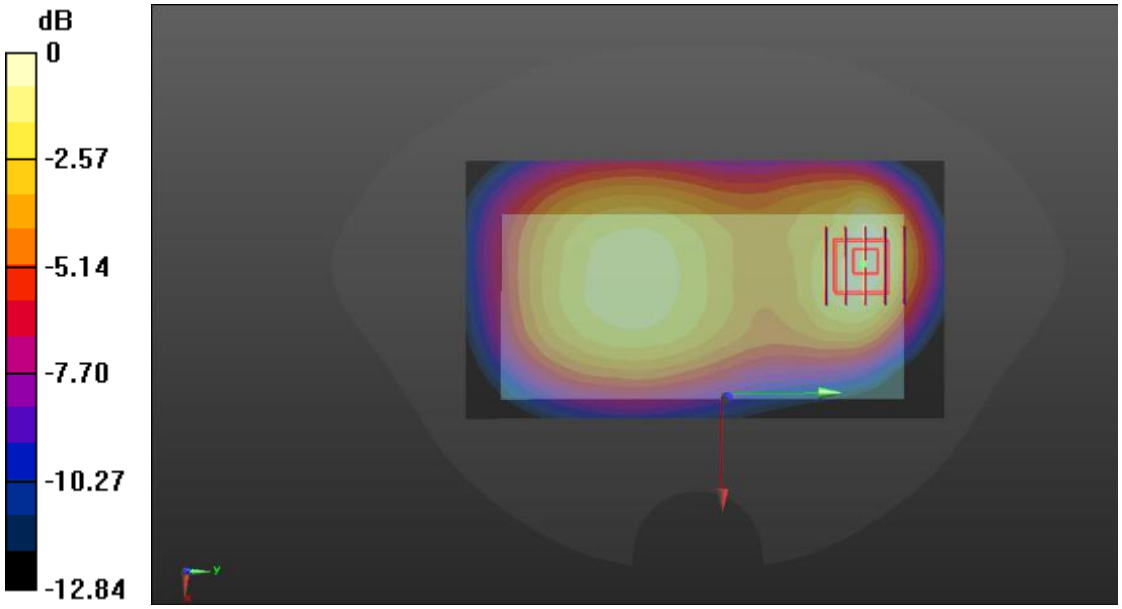
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.77 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.259 W/kg

SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.103 W/kg.

Maximum value of SAR (measured) = 0.179 W/kg



0 dB = 0.179 W/kg

Meas.40 Right Head with Tilt on High Channel in LTE Band66 mode with Antenna1

Date: 2022.06.19

Communication System Band: Band66; Frequency: 1770 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1770 MHz; σ = 1.387 S/m; ε_r = 40.759; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 1.01 W/kg

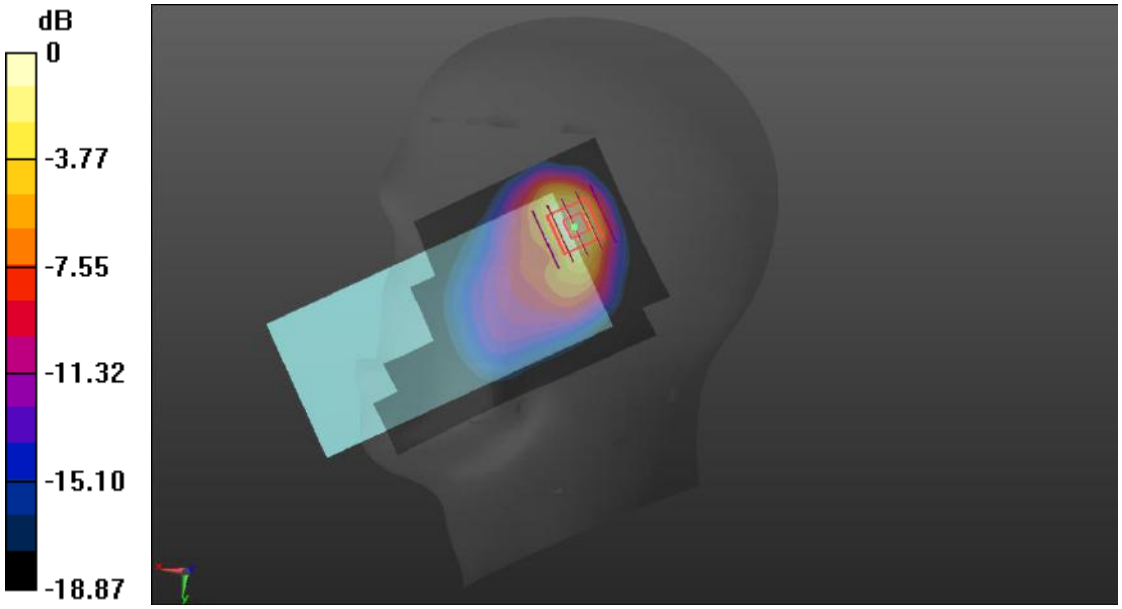
Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.49 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.402 W/kg

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



0 dB = 1.01 W/kg

Meas.41 Body Plane with Back Side 15mm on Middle Channel in LTE Band66 mode with Antenna0

Date: 2022.06.20

Communication System Band: Band66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.343 S/m; ε_r = 39.847; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 0.222 W/kg

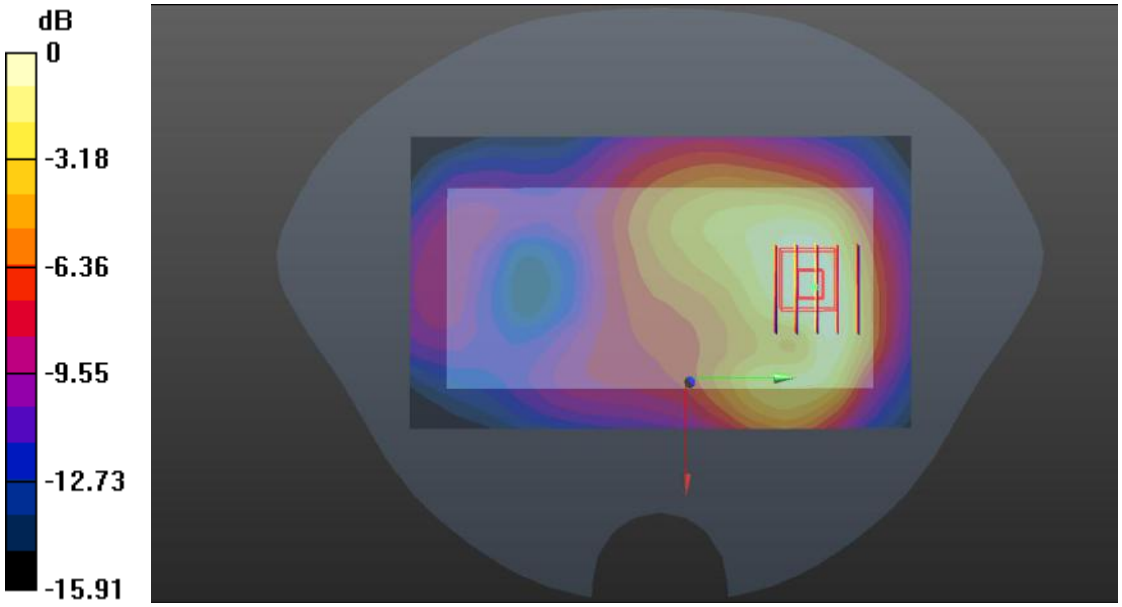
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.909 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.134 W/kg

Maximum value of SAR (measured) = 0.225 W/kg



0 dB = 0.225 W/kg

Meas.42 Body Plane with Bottom Side 10mm on Low Channel in LTE Band66 mode with Antenna0

Date: 2022.06.20

Communication System Band:Band66; Frequency: 1720 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.327 S/m; ε_r = 39.927; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

Ch132072/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.595 W/kg

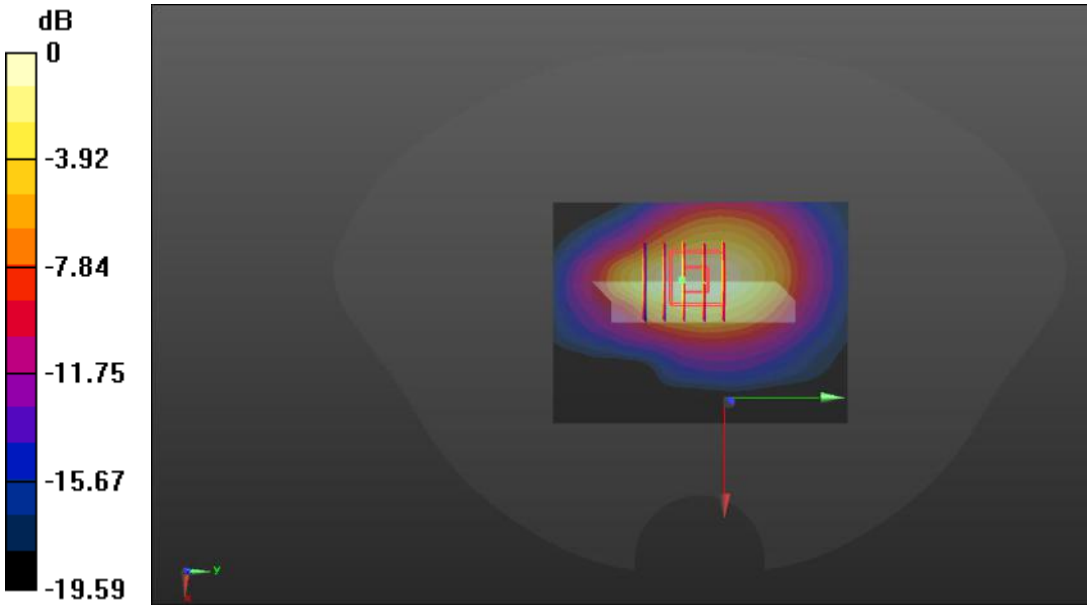
Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.57 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.825 W/kg

SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.296 W/kg

Maximum value of SAR (measured) = 0.563 W/kg



0 dB = 0.563 W/kg

Meas.43 Right Head with Cheek on Low Channel in LTE Band38 mode with Antenna1

Date: 2022.07.01

Communication System Band: Band 38; Frequency: 2580 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.913 S/m; ε_r = 40.01; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

CH37850/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.772 W/kg

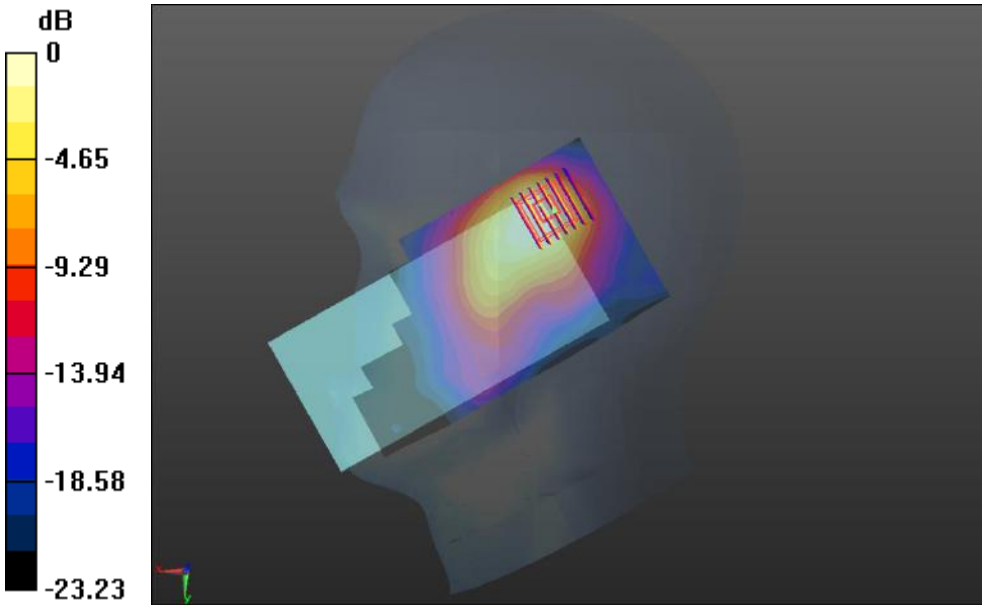
CH37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.711 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.613 W/kg; SAR(10 g) = 0.295 W/kg

Maximum value of SAR (measured) = 0.681 W/kg



0 dB = 0.681 W/kg

Meas.44 Body Plane with Back Side 15 mm on High Channel in LTE Band38 mode with Antenna0

Date: 2022.06.30

Communication System Band: Band 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 1.959 S/m; ε_r = 38.144; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7°C Liquid Temperature:21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

Ch38150/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.205 W/kg

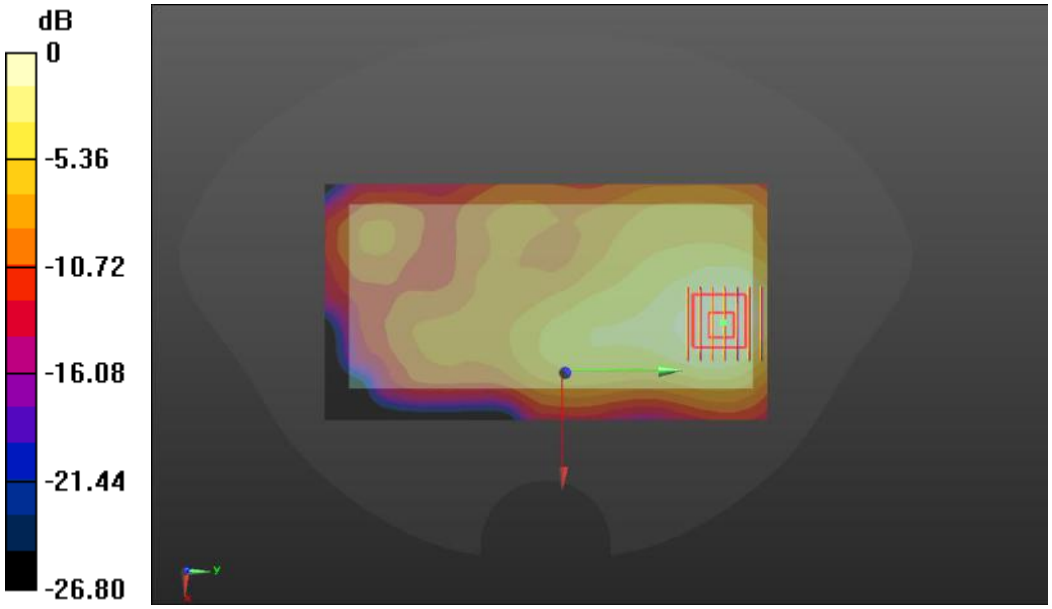
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.637 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.331 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.100 W/kg

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



0 dB = 0.201 W/kg

Meas.45 Body Plane with Back Side 10mm on High Channel in LTE Band38 mode with Antenna0

Date: 2022.06.30

Communication System Band: Band 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 1.959 S/m; ε_r = 38.144; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7°C Liquid Temperature:21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

Ch38150/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.382 W/kg

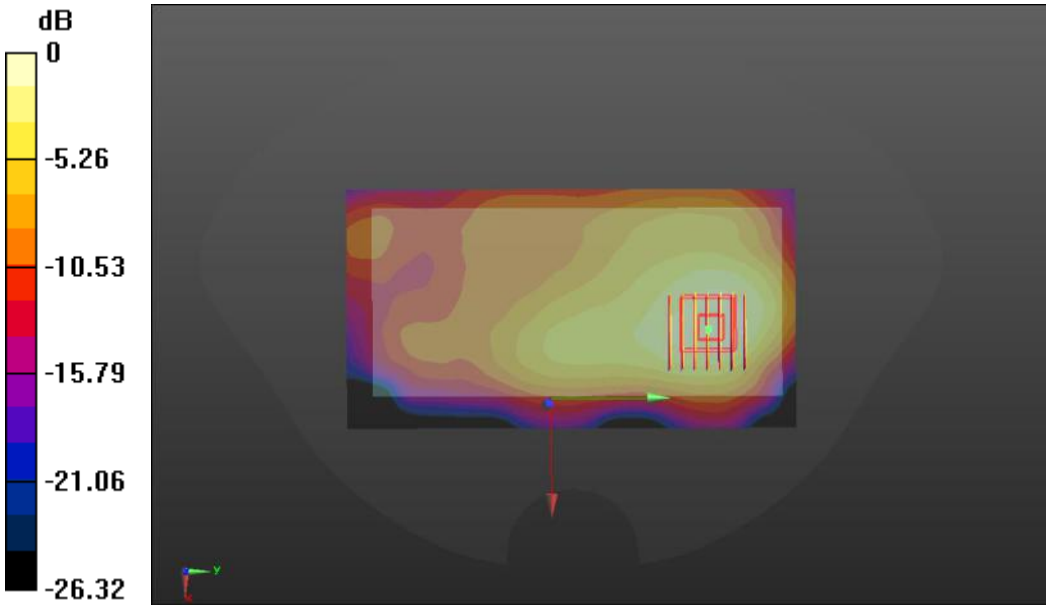
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.614 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.596 W/kg

SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.186 W/kg

Maximum value of SAR (measured) = 0.377 W/kg



0 dB = 0.377 W/kg

Meas.46 Right Head with Tilt on Low Channel in LTE Band41 mode with Antenna1

Date: 2022.06.28

Communication System Band: Band 41; Frequency: 2506 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2506 MHz; σ = 1.802 S/m; ε_r = 38.584; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

CH39750/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.757 W/kg

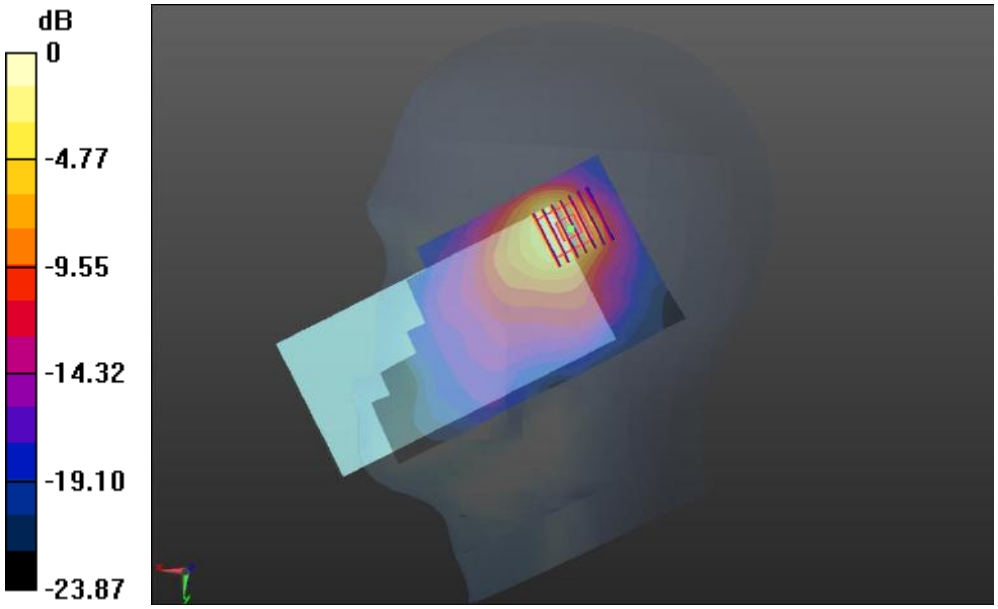
CH39750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.988 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.595 W/kg; SAR(10 g) = 0.257 W/kg

Maximum value of SAR (measured) = 0.688 W/kg



0 dB = 0.688 W/kg

Meas.47 Body Plane with Back Side 15 mm on Low Channel in LTE Band41 mode with Antenna0

Date: 2022.06.27

Communication System Band: Band 41; Frequency: 2506 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2506 MHz; σ = 1.88 S/m; ε_r = 38.975; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

Ch39750/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.205 W/kg

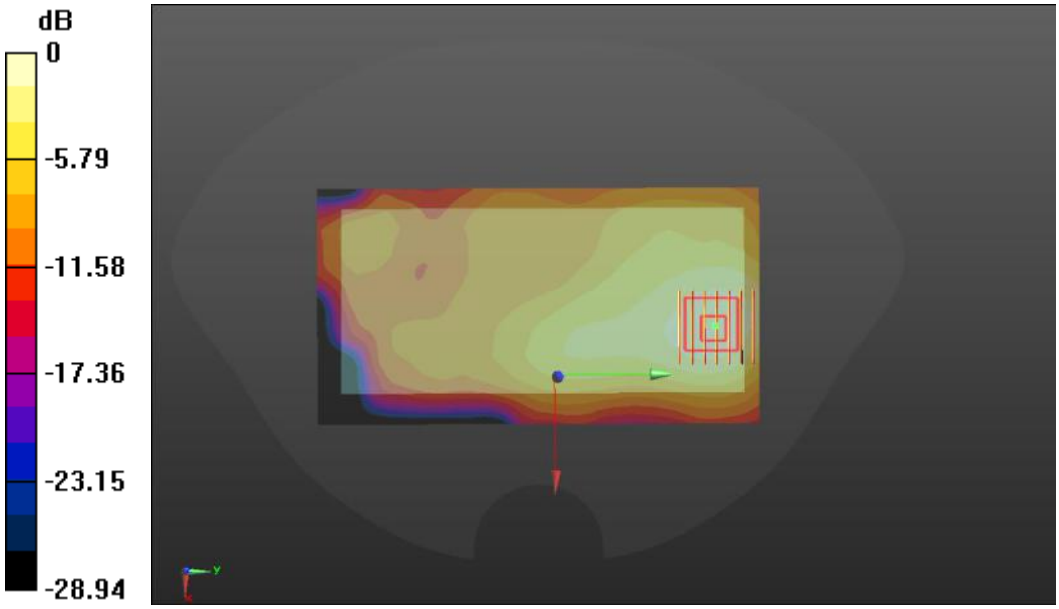
Ch39750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.196 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.322 W/kg

SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.100 W/kg

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



0 dB = 0.199 W/kg

Meas.48 Body Plane with Back Side 10mm on Low Channel in LTE Band41 mode with Antenna0

Date: 2022.06.27

Communication System Band: Band 41; Frequency: 2506 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2506 MHz; σ = 1.88 S/m; ε_r = 38.975; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

Ch39750/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

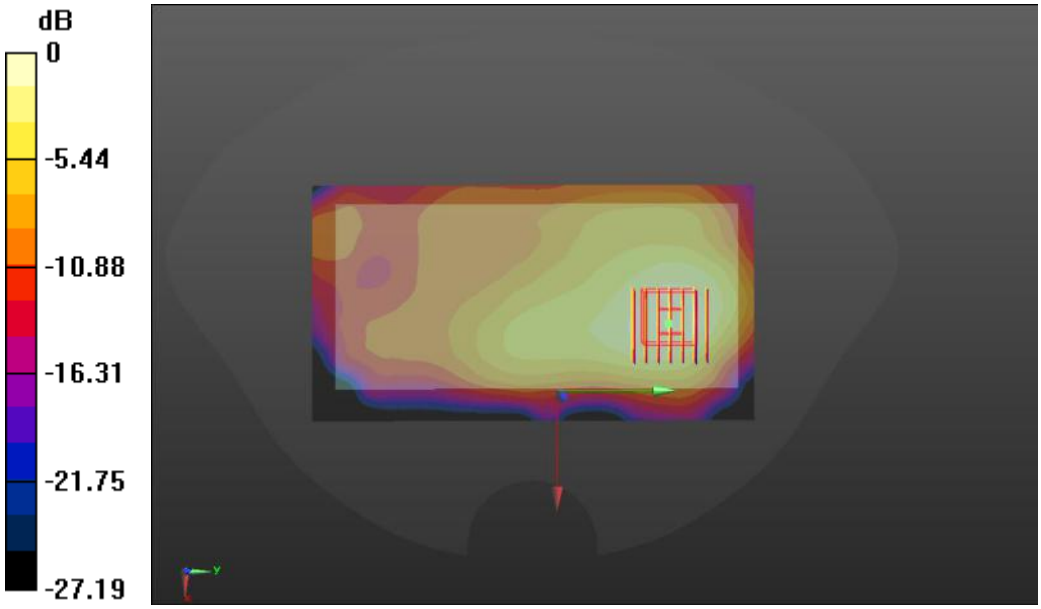
Ch39750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.608 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.600 W/kg

SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.186 W/kg

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



0 dB = 0.378 W/kg

Meas.49 Right Head with Cheek on Middle Channel in NR Band5 mode with Antenna1

Date: 2022.06.14

Communication System Band: N5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.918 S/m; ε_r = 41.378; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.801 W/kg

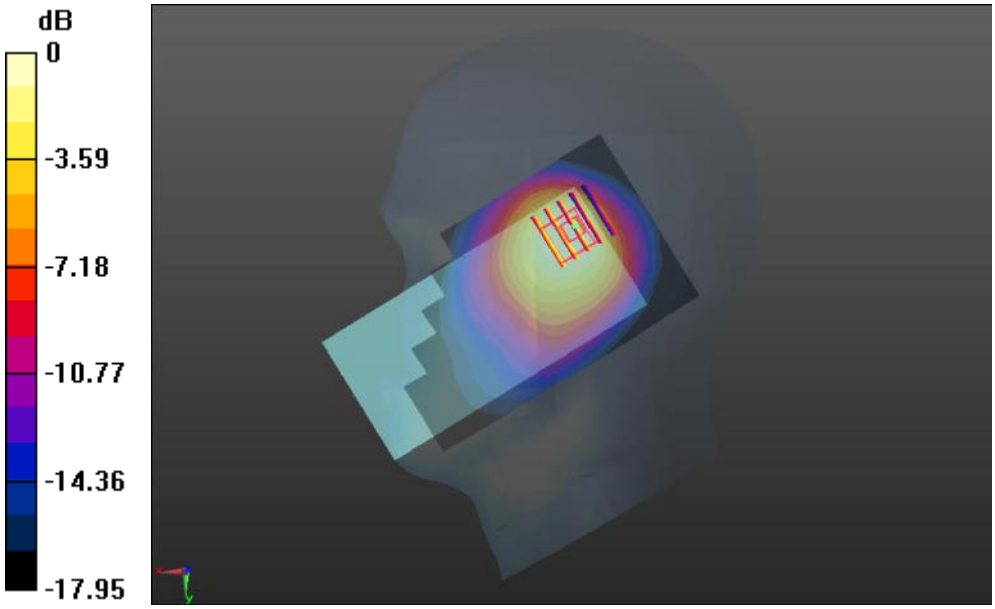
CH167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.65 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.391 W/kg

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



0 dB = 0.674 W/kg

Meas.50 Body Plane with Back Side 15mm on Middle Channel in N5 mode with Antenna1

Date: 2022.06.14

Communication System Band: N5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.918 S/m; ε_r = 41.378; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 0.0759 W/kg

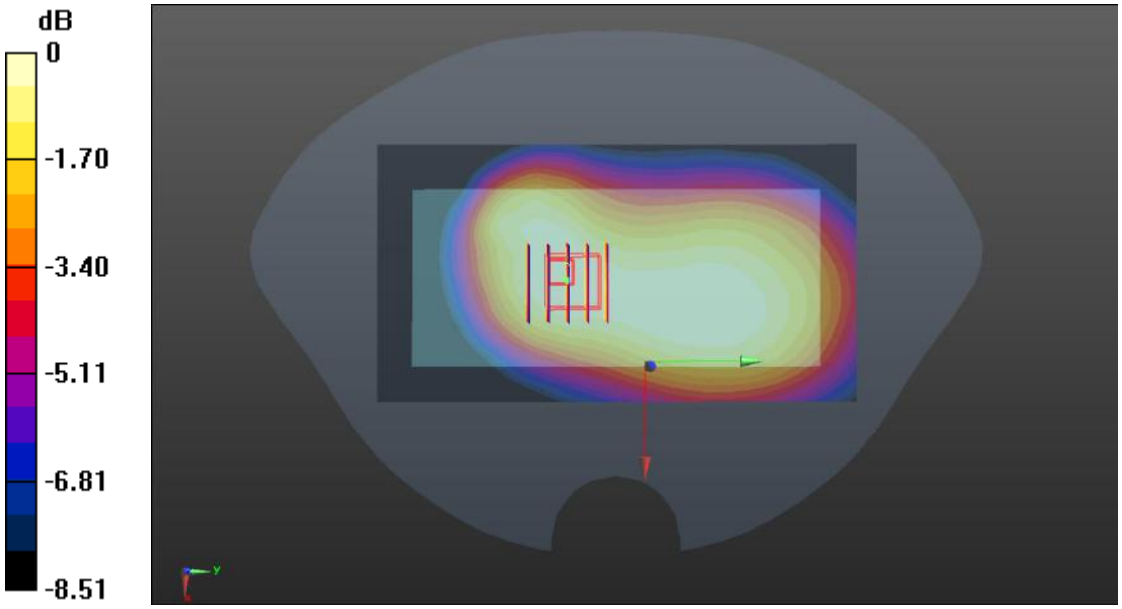
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.880 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.0930 W/kg

SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.050 W/kg

Maximum value of SAR (measured) = 0.0718 W/kg



0 dB = 0.0718 W/kg

Meas.51 Body Plane with Back Side 10mm on Middle Channel in N5 mode with Antenna1

Date: 2022.06.14

Communication System Band: N5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.918 S/m; ε_r = 41.378; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 0.124 W/kg

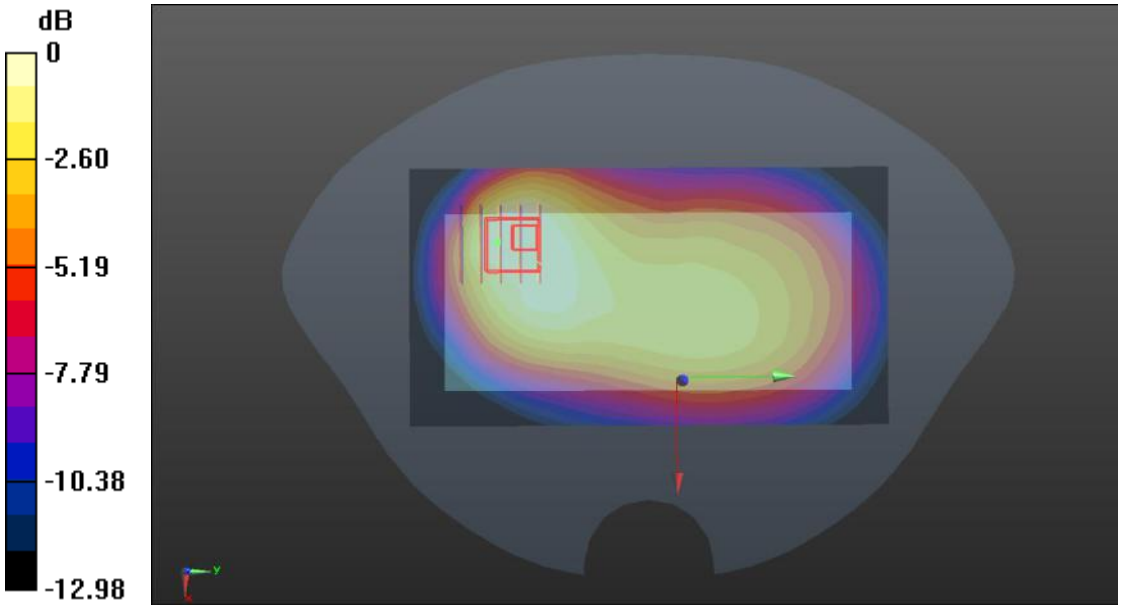
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.521 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.168 W/kg

SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.075 W/kg

Maximum value of SAR (measured) = 0.122 W/kg



0 dB = 0.122 W/kg

Meas.52 Right Head with Cheek on Middle Channel in NR Band7 mode with Antenna1

Date: 2022.06.25

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.902 S/m; ε_r = 39.126; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

CH507000/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.548 W/kg

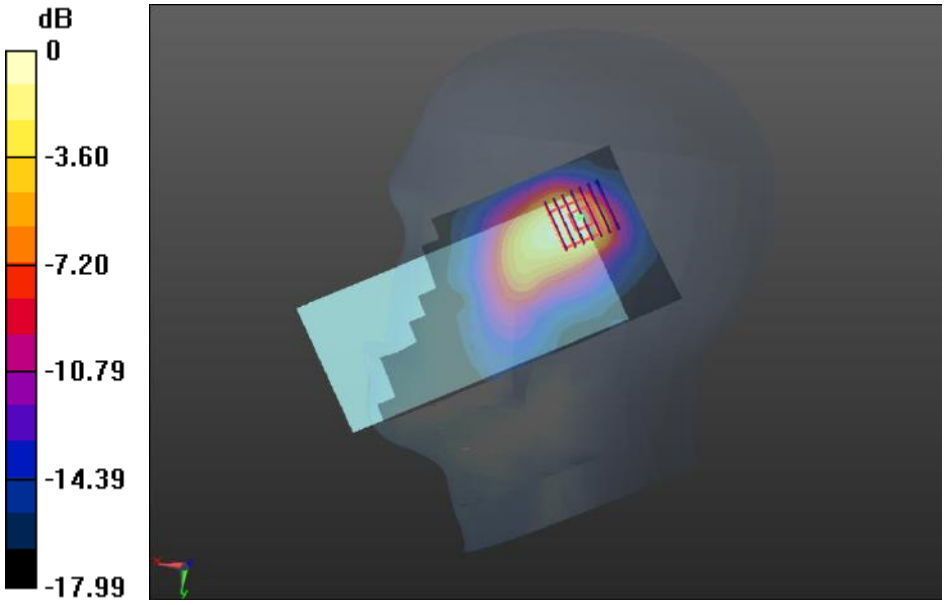
CH507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.037 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.989 W/kg

SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.211 W/kg

Maximum value of SAR (measured) = 0.482 W/kg



0 dB = 0.482 W/kg

Meas.53 Body Plane with Back Side 15mm on Middle Channel in NR Band7 mode with Antenna1

Date: 2022.06.24

Communication System Band:N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.866 S/m; ε_r = 39.242; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

Ch507000/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.228 W/kg

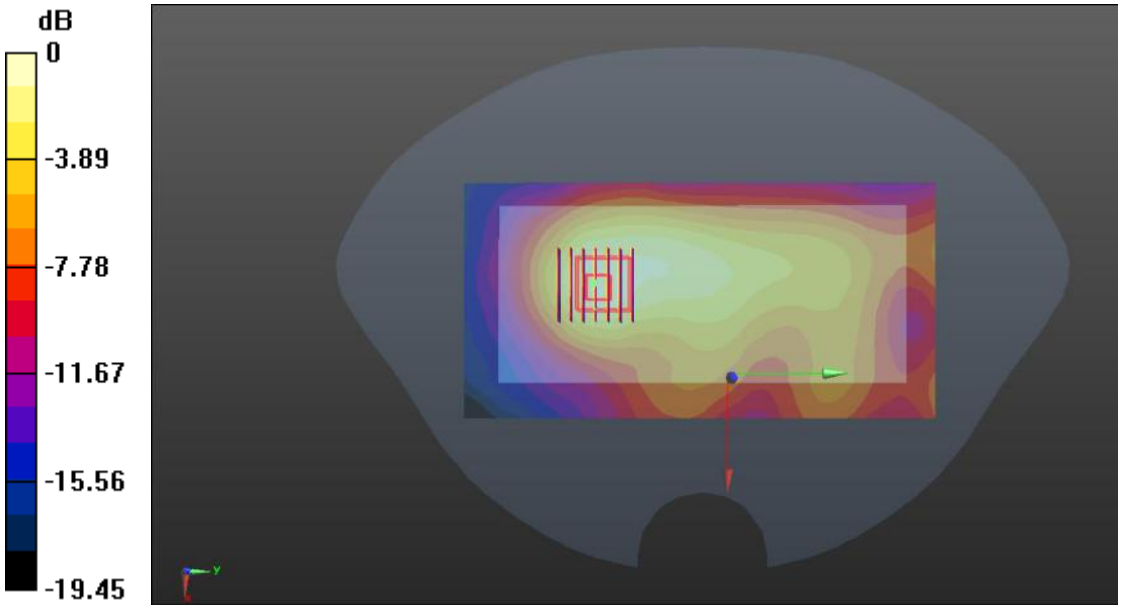
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.836 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.531 W/kg

SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.091 W/kg

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



0 dB = 0.229 W/kg

Meas.54 Body Plane with Back Side 10mm on High Channel in NR Band7 mode with Antenna4

Date: 2022.06.24

Communication System Band:N7; Frequency: 2550 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2550 MHz; σ = 1.89 S/m; ε_r = 39.175; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

Ch510000/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

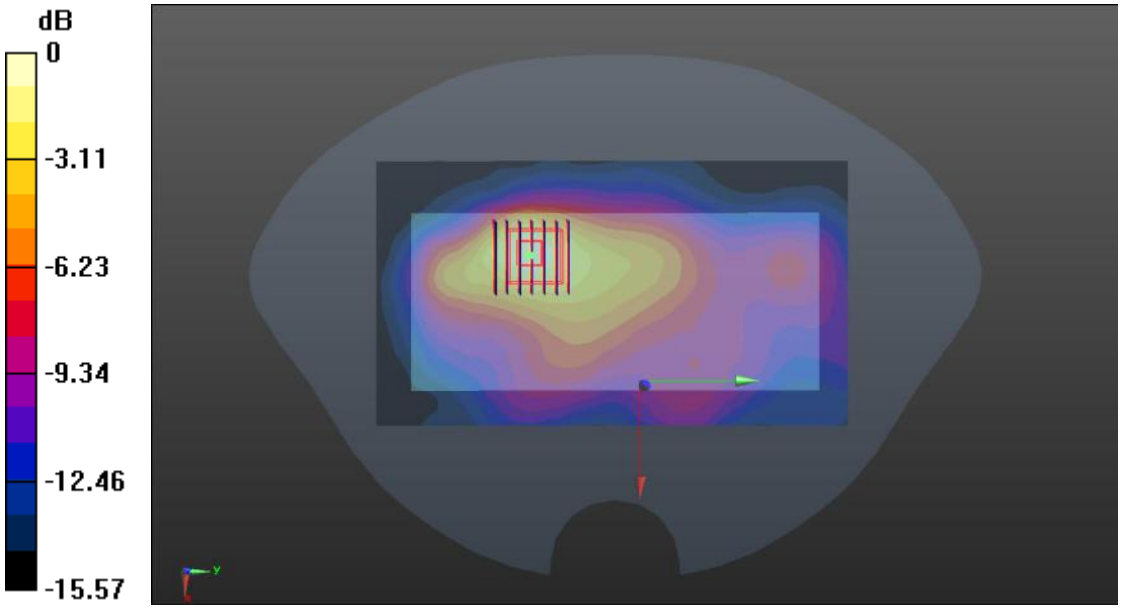
Ch510000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.793 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.561 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.151 W/kg

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



0 dB = 0.327 W/kg

Meas.55 Right Head with Cheek on High Channel in NR Band38 mode with Antenna1

Date: 2022.07.01

Communication System Band: N38; Frequency: 2600 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.94 S/m; ε_r = 39.73; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.9°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

CH520000/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.534 W/kg

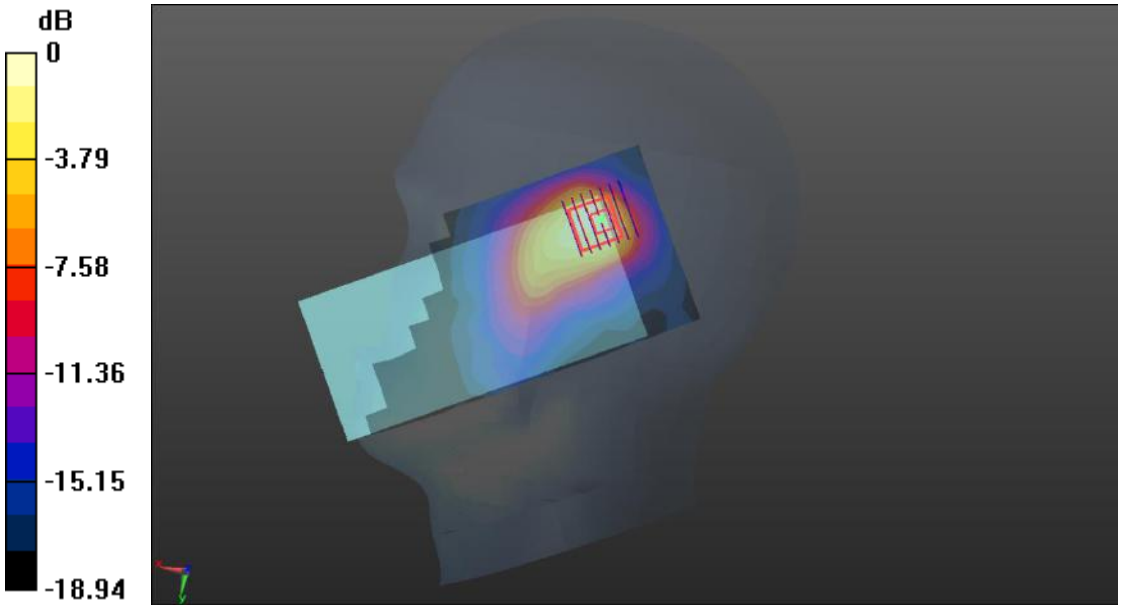
CH520000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.418 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.974 W/kg

SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.196 W/kg

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



0 dB = 0.471 W/kg

Meas.56 Body Plane with Back Side 15 mm on High Channel in N38 mode with Antenna0

Date: 2022.06.30

Communication System Band: N38; Frequency: 2600 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.944 S/m; ε_r = 38.297; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7°C Liquid Temperature:21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

Ch520000/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.302 W/kg

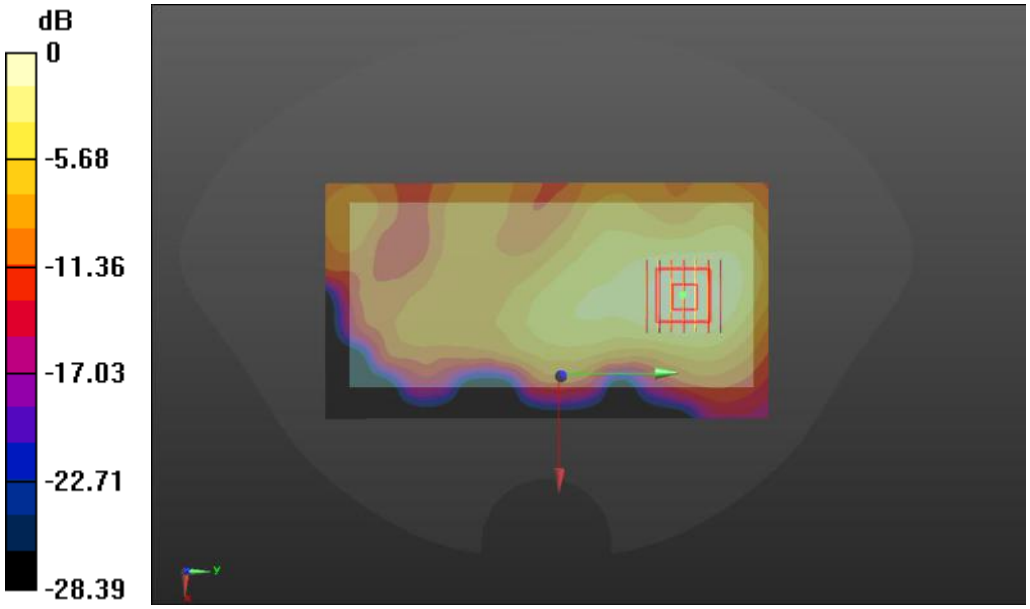
Ch520000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.688 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.472 W/kg

SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.302 W/kg



0 dB = 0.302 W/kg

Meas.57 Body Plane with Back Side 10 mm on High Channel in N38 mode with Antenna0

Date: 2022.06.30

Communication System Band: N38; Frequency: 2600 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.944 S/m; ε_r = 38.297; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7°C Liquid Temperature:21.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

Ch520000/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

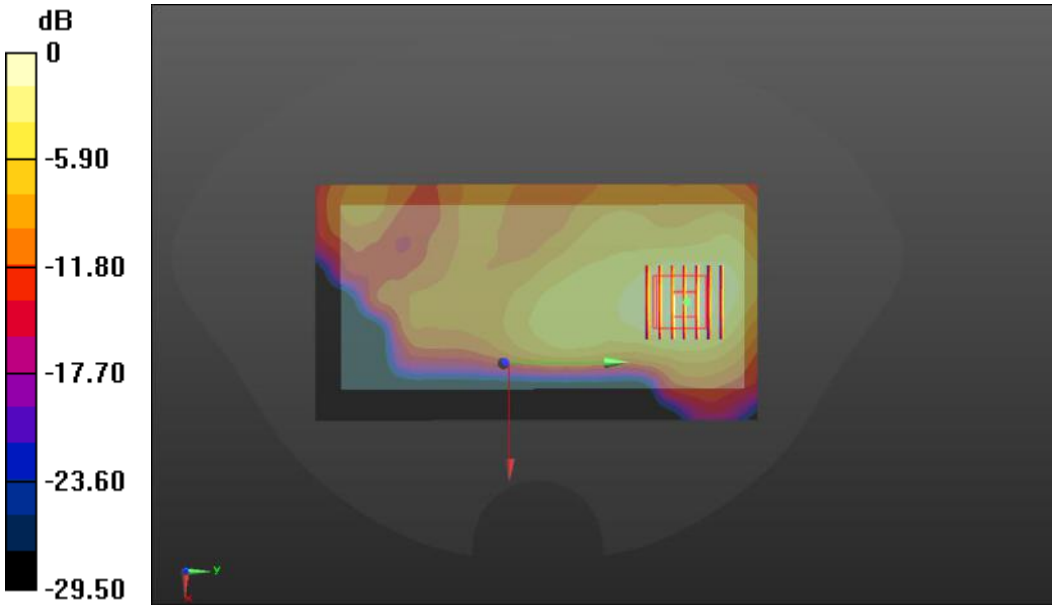
Ch520000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.223 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.854 W/kg

SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.255 W/kg

Maximum value of SAR (measured) = 0.556 W/kg



0 dB = 0.556 W/kg

Meas.58 Right Head with Cheek on Middle Channel in NR Band41 mode with Antenna1

Date: 2022.06.26

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.925 S/m; ε_r = 39.998; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

CH518598/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.679 W/kg

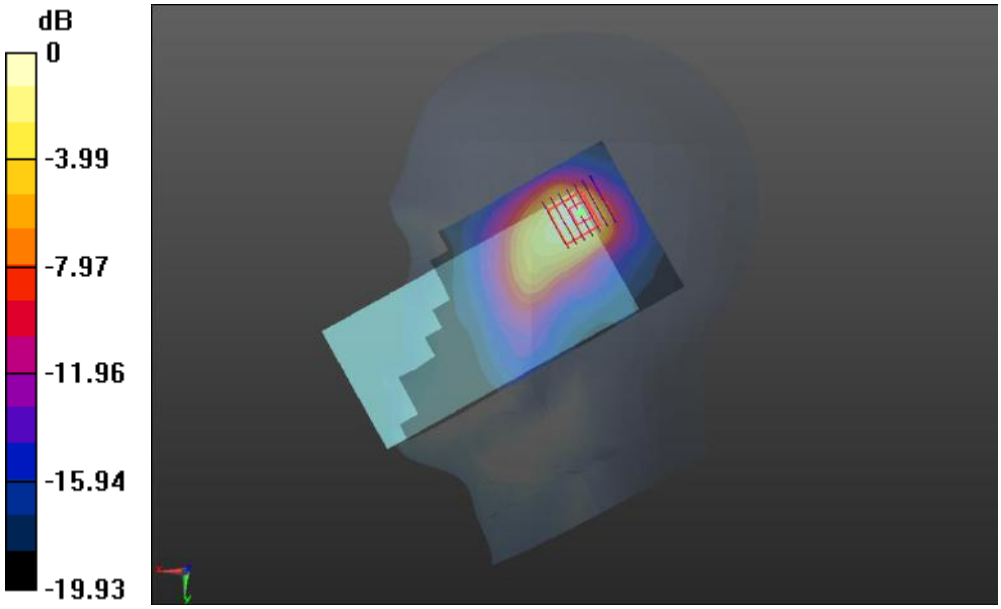
CH518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.071 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.247 W/kg

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



0 dB = 0.600 W/kg

Meas.59 Body Plane with Back Side 15 mm on High Channel in N41 mode with Antenna0

Date: 2022.07.02

Communication System Band: N41; Frequency: 2640 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2640 MHz; σ = 1.989 S/m; ε_r = 39.183; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

Ch528000/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

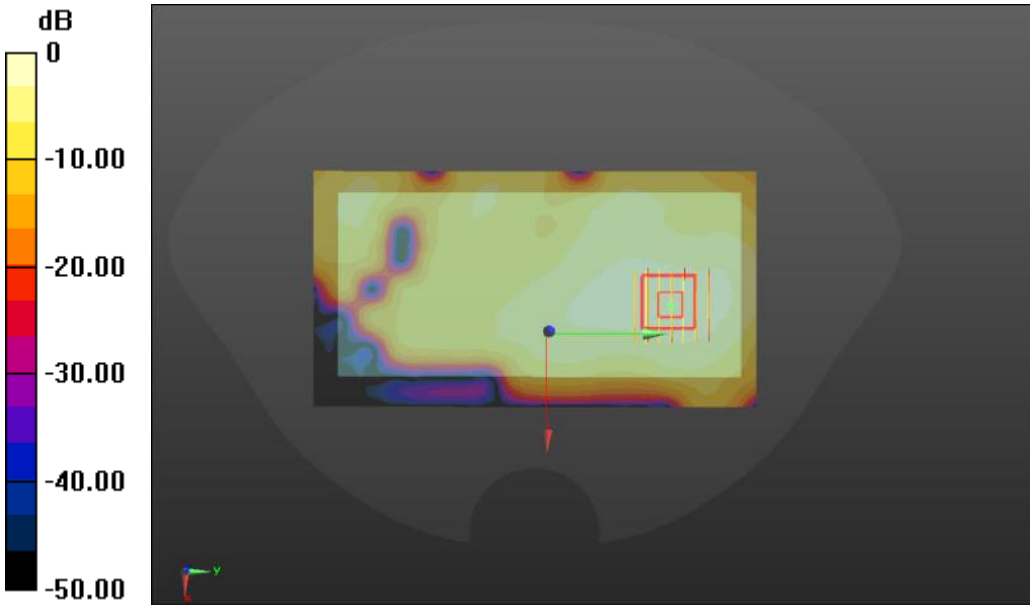
Ch528000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.538 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.101 W/kg

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



0 dB = 0.211 W/kg

Meas.60 Body Plane with Back Side 10mm on High Channel in NR Band41 mode with Antenna0

Date: 2022.07.02

Communication System Band: N41; Frequency: 2640 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2640 MHz; σ = 1.989 S/m; ε_r = 39.183; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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

Ch528000/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.576 W/kg

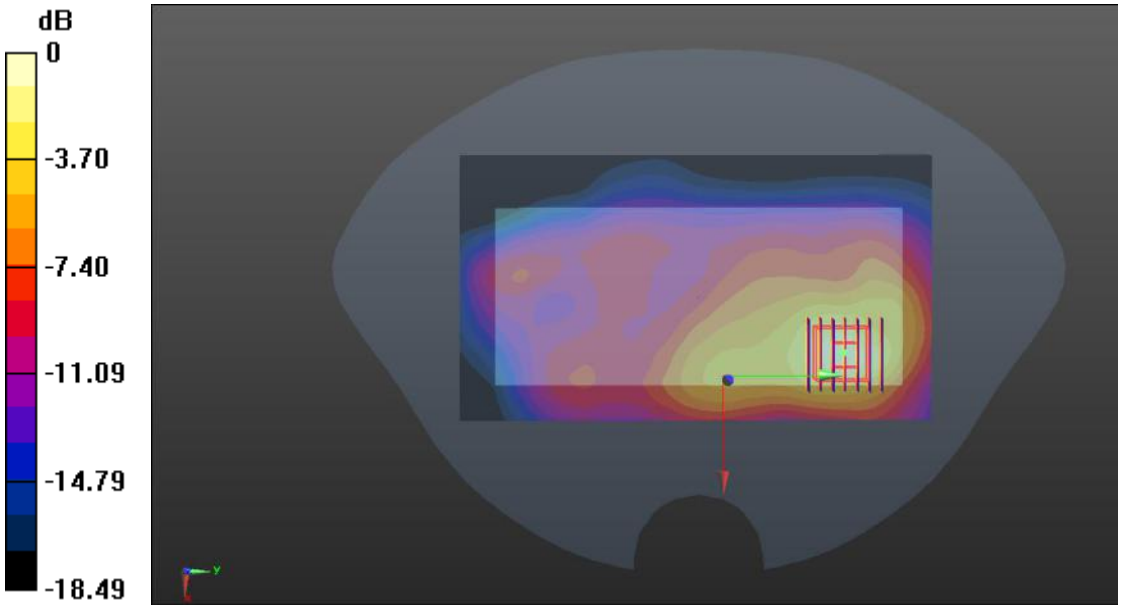
Ch528000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.666 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.863 W/kg

SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.262 W/kg

Maximum value of SAR (measured) = 0.565 W/kg



0 dB = 0.565 W/kg

Meas.61 Right Head with Cheek on Middle Channel in NR Band66 mode with Antenna1

Date: 2022.06.15

Communication System Band:N66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.392 S/m; ε_r = 39.343; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3°C Liquid Temperature:21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.966 W/kg

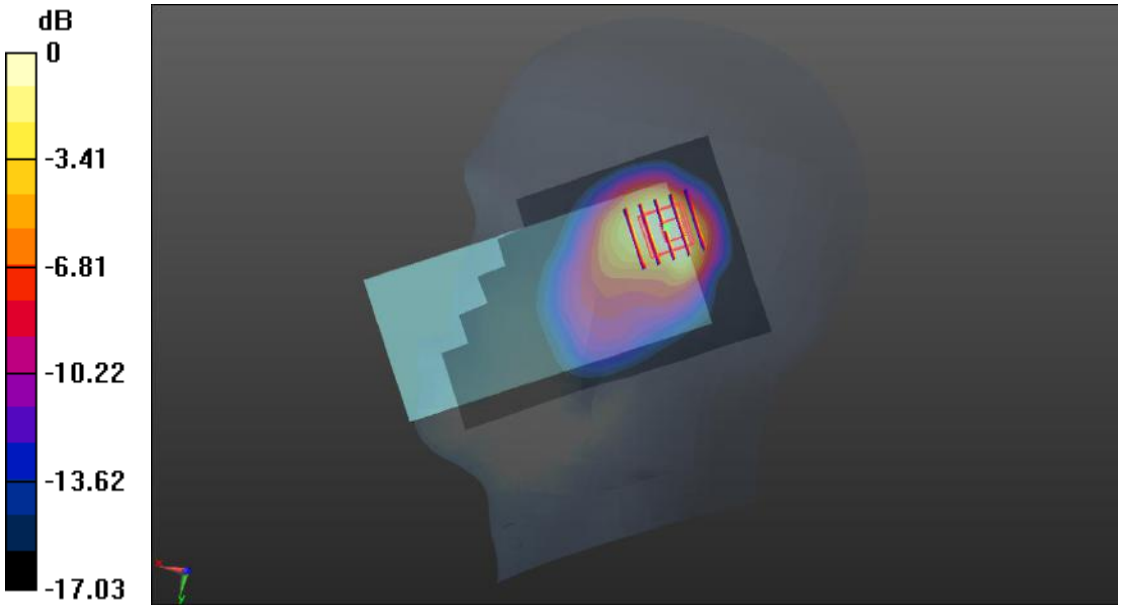
CH349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.36 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.654 W/kg; SAR(10 g) = 0.348 W/kg

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



0 dB = 0.698 W/kg

Meas.62 Body Plane with Back Side 15mm on Middle Channel in NR Band66 mode with Antenna1

Date: 2022.06.21

Communication System Band:N66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.378 S/m; ε_r = 40.797; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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) = 0.199 W/kg

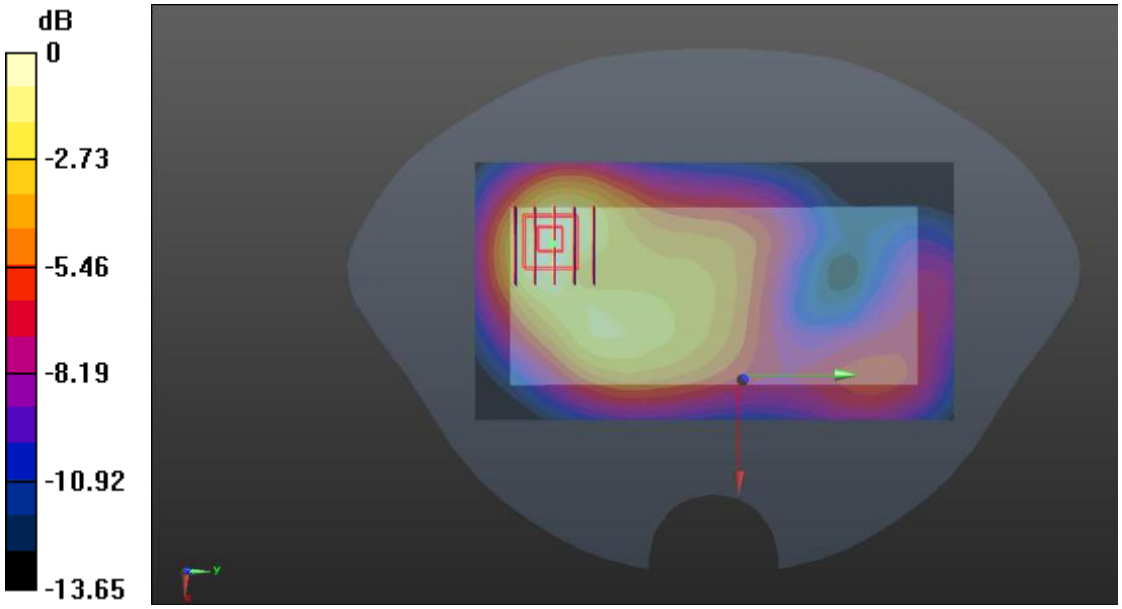
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.075 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.279 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.189 W/kg



0 dB = 0.189 W/kg

Meas.63 Body Plane with Bottom Edge 10mm on Middle Channel in NR Band66 mode with Antenna0

Date: 2022.06.21

Communication System Band:N66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.378 S/m; ε_r = 40.797; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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 (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.505 W/kg

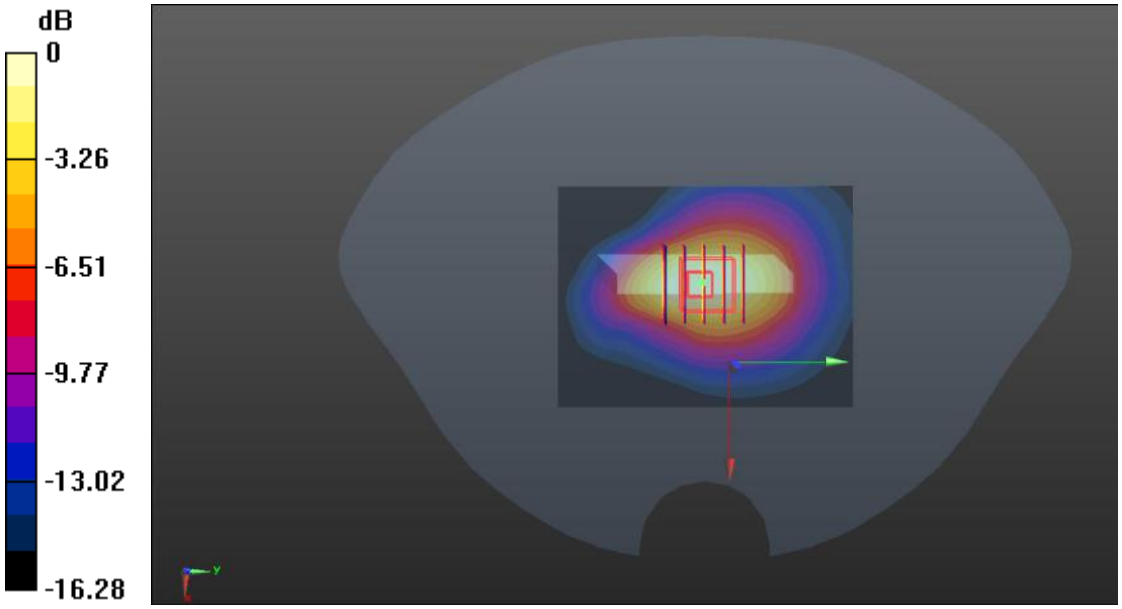
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.79 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.699 W/kg

SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.253 W/kg

Maximum value of SAR (measured) = 0.476 W/kg



0 dB = 0.476 W/kg

Meas.64 Left Head with Cheek on 6 Channel in IEEE802.11b mode with Antenna7

Date: 2022.06.25

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.004

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.74 S/m; ε_r = 39.556; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.6°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

Ch6/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.659 W/kg

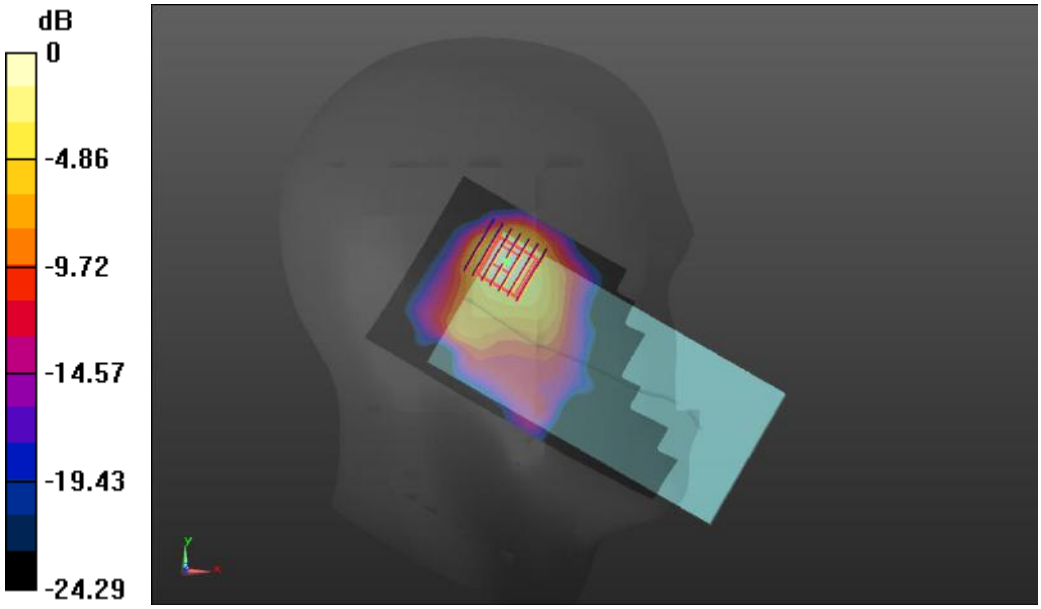
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.700 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.239 W/kg

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



0 dB = 0.572 W/kg

Meas.65 Body Plane with Back Side 15mm on 6 Channel in IEEE802.11b mode with Antenna7

Date: 2022.06.25

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.004

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.74 S/m; ε_r = 39.556; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

Ch6/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

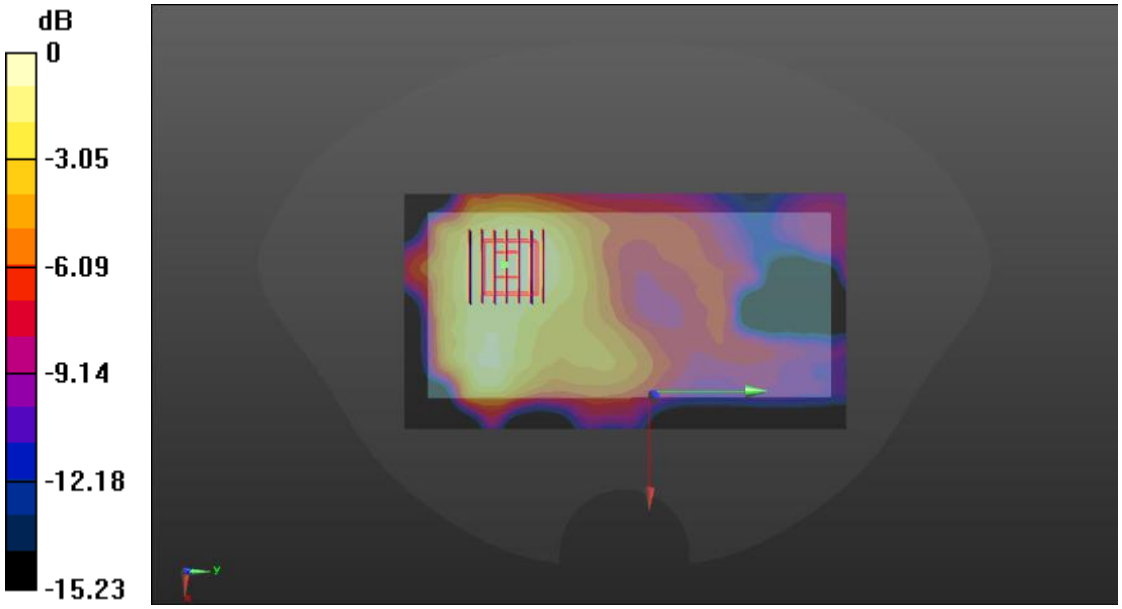
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.124 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.170 W/kg

SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.061 W/kg

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



0 dB = 0.109 W/kg

Meas.66 Body Plane with Top Edge 10mm on 6 Channel in IEEE802.11b mode with Antenna7

Date: 2022.06.25

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.004

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.74 S/m; ε_r = 39.556; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

Ch6/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

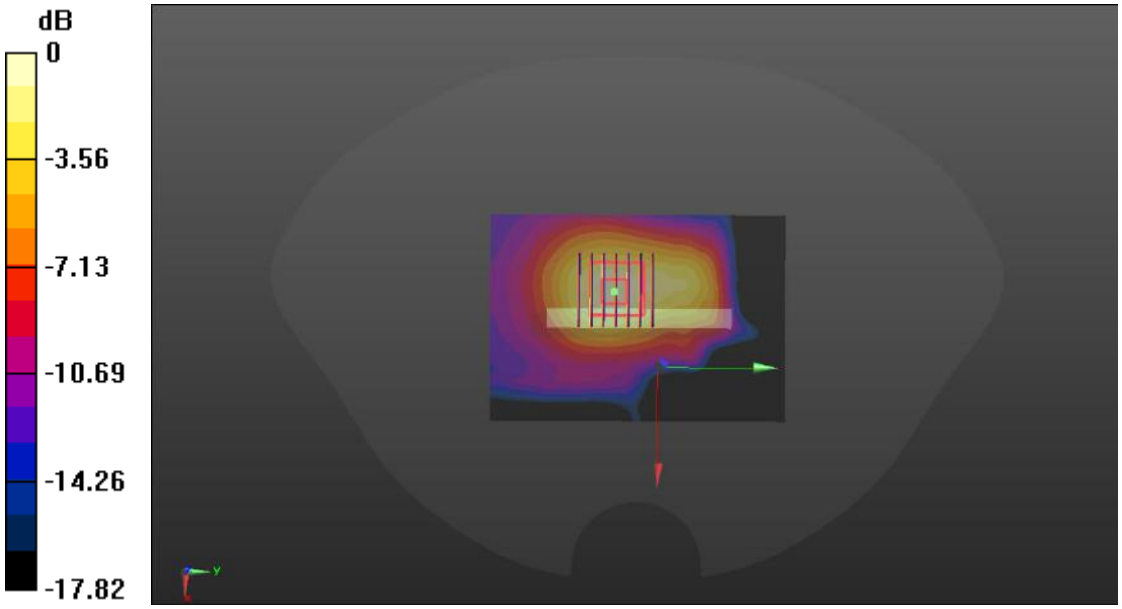
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.048 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.314 W/kg

SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.089 W/kg

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



0 dB = 0.191 W/kg

Meas.67 Left Head with Tilt on 58 Channel in IEEE802.11n40 mode with Antenna7

Date: 2022.06.22

Communication System Band: WLAN(n) 40Mhz; Frequency: 5270 MHz;Duty Cycle: 1:1.053

Medium parameters used (interpolated): f = 5270 MHz; σ = 4.802 S/m; ε_r = 36.989; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.61, 5.61, 5.61); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

Ch54/Area Scan (101x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.18 W/kg

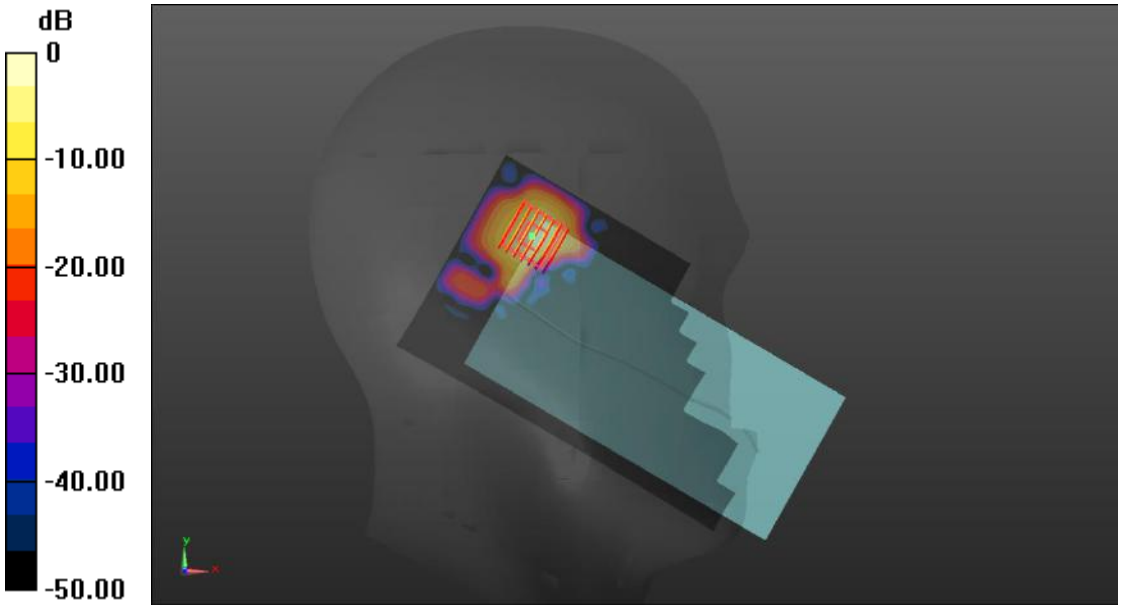
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.76 W/kg

SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.207 W/kg

Maximum value of SAR (measured) = 2.18 W/kg



0 dB = 2.18 W/kg

Meas.68 Left Head with Tilt on 122 Channel in IEEE802.11ac80 mode with Antenna7

Date: 2022.06.23

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5610 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5610 MHz; σ = 5.085 S/m; ε_r = 34.237; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.2°C Liquid Temperature:21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.1, 5.1, 5.1); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (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)

Ch122/Area Scan (101x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

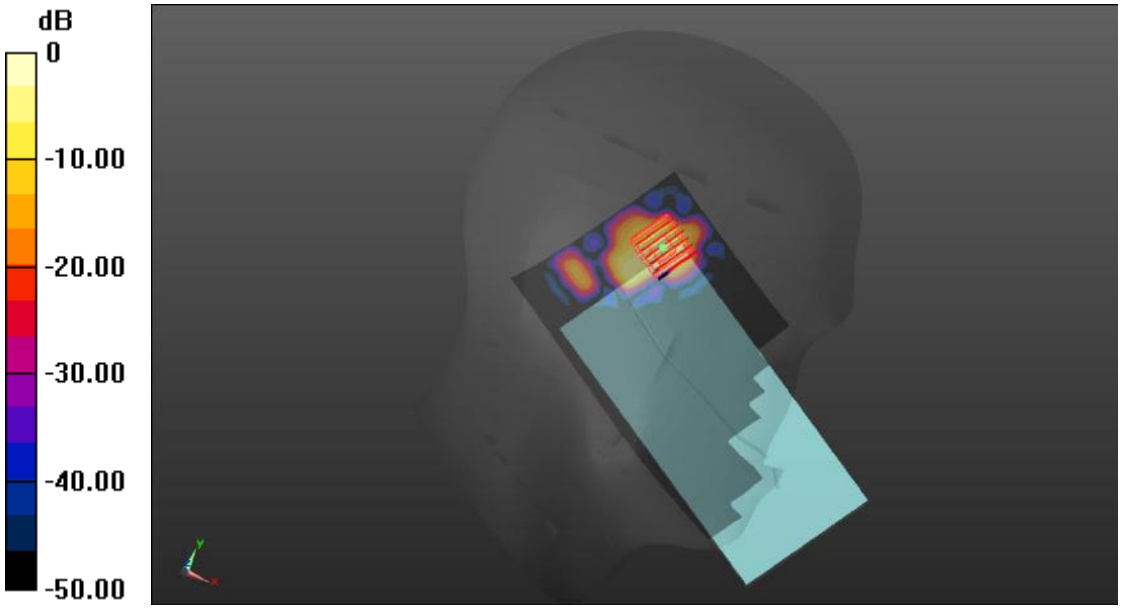
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.745 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 0.988 W/kg



0 dB = 0.988 W/kg

Meas.69 Left Head with Tilt on 155 Channel in IEEE802.11ac80 mode with Antenna7

Date: 2022.06.24

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5775 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.359 S/m; ε_r = 35.956; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.1°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.15, 5.15, 5.15); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (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)

Ch155/Area Scan (101x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.74 W/kg

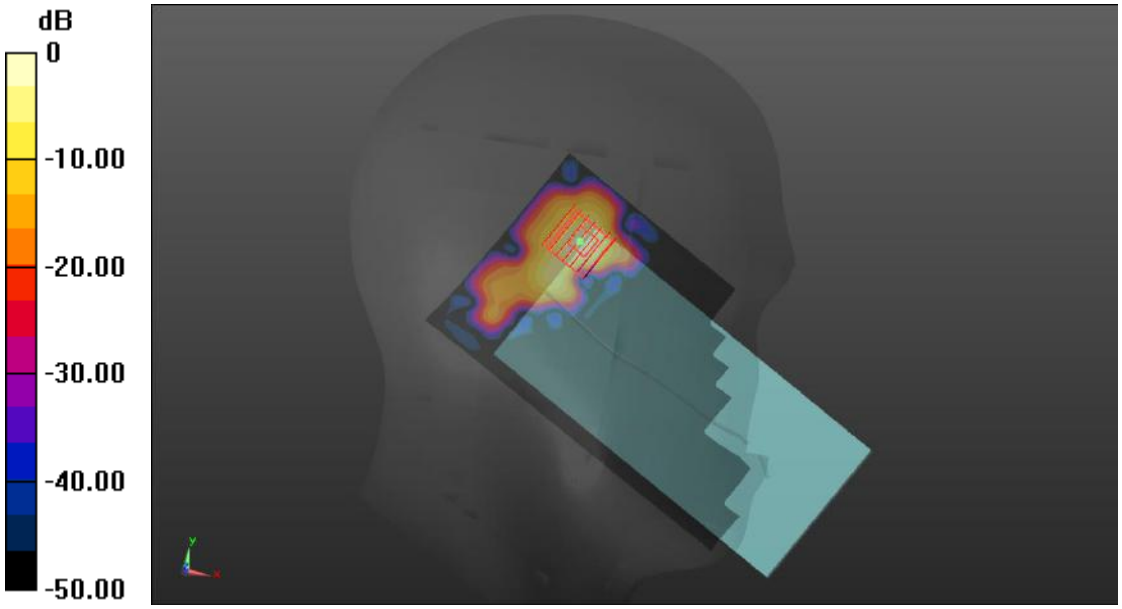
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.389 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 8.46 W/kg

SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.171 W/kg

Maximum value of SAR (measured) = 1.79 W/kg



0 dB = 1.79 W/kg

Meas.70 Body Plane with Back Side 15 mm on 54 Channel in IEEE802.11n40 mode with Antenna7

Date: 2022.06.22

Communication System Band: WLAN(n)40Mhz; Frequency: 5270 MHz;Duty Cycle: 1:1.053

Medium parameters used (interpolated): f = 5270 MHz; σ = 4.802 S/m; ε_r = 36.989; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.61, 5.61, 5.61); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

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

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

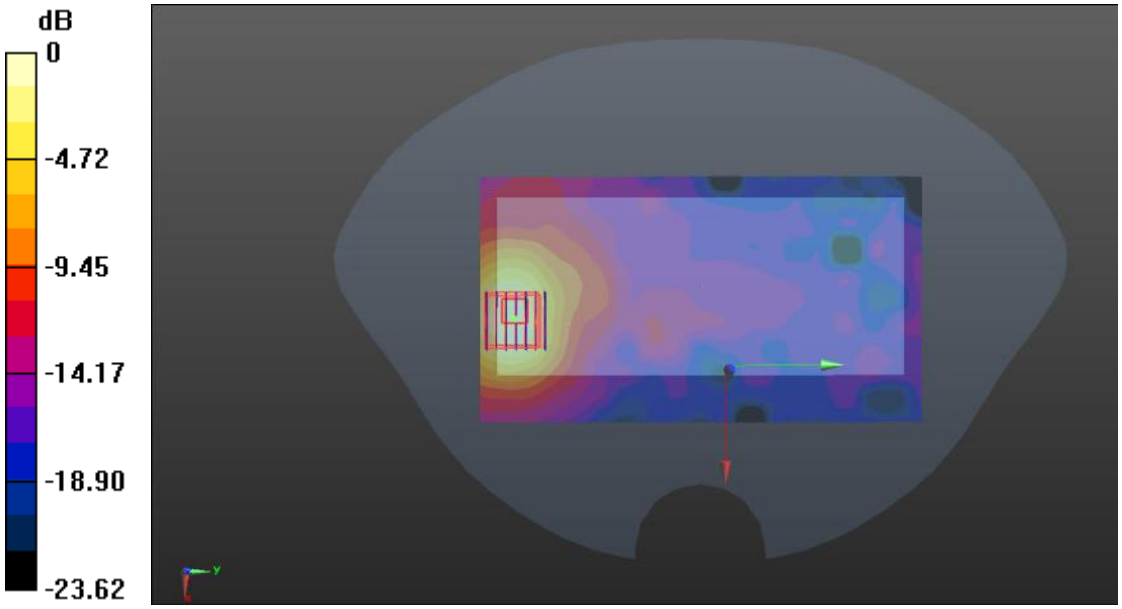
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.749 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.071 W/kg

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



0 dB = 0.447 W/kg

Meas.71 Body Plane with Back Side 15 mm on 122 Channel in IEEE802.11ac80 mode with Antenna7

Date: 2022.06.23

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5610 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5610 MHz; σ = 5.085 S/m; ε_r = 34.237; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.1, 5.1, 5.1); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (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)

Ch122/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.611 W/kg

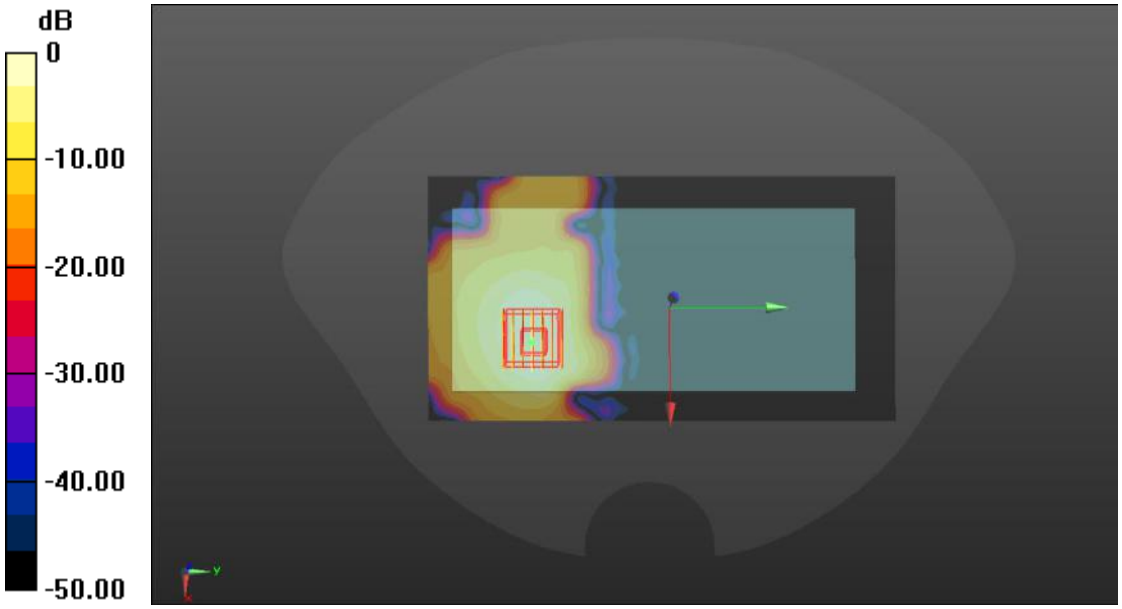
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.124 W/kg

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



0 dB = 0.609 W/kg

Meas.72 Body Plane with Back Side 15 mm on 155 Channel in IEEE802.11ac80 mode with Antenna7

Date: 2022.06.24

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5775 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.359 S/m; ε_r = 35.956; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.15, 5.15, 5.15); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (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)

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.625 W/kg

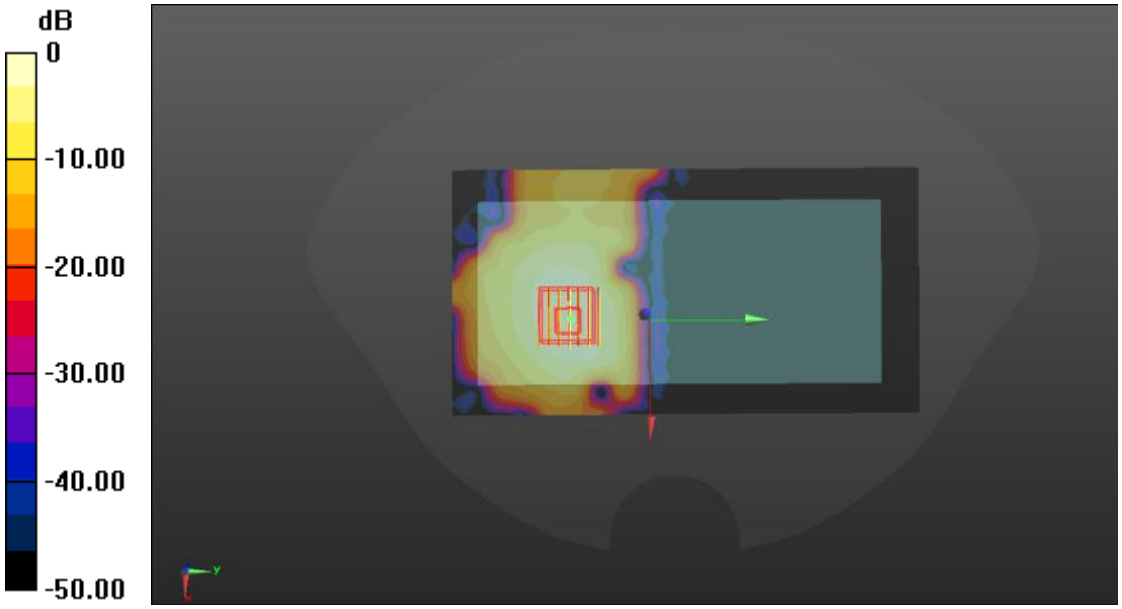
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.131 W/kg

Maximum value of SAR (measured) = 0.634 W/kg



0 dB = 0.634 W/kg

Meas.73 Body Plane with Top Edge 10mm on 46 Channel in 802.11n40 mode with Antenna7

Date: 2022.06.22

Communication System Band: WLAN(n)40Mhz; Frequency: 5230 MHz;Duty Cycle: 1:1.053

Medium parameters used (interpolated): f = 5230 MHz; σ = 4.751 S/m; ε_r = 37.212; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (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)

Ch46/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.750 W/kg

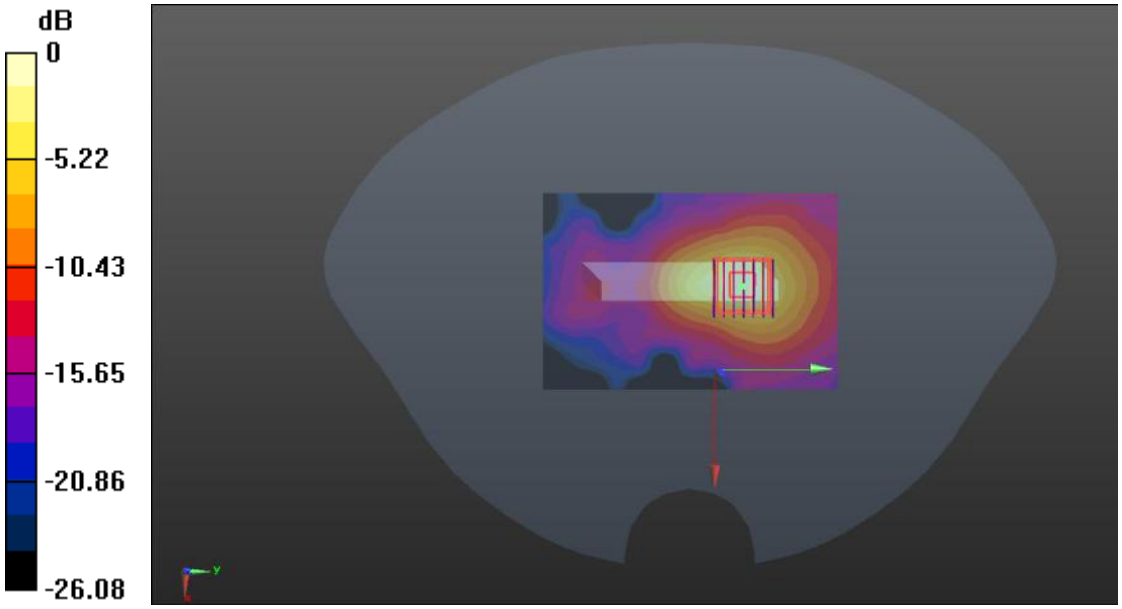
Ch46/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.827 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.135 W/kg

Maximum value of SAR (measured) = 0.719 W/kg



0 dB = 0.719 W/kg

Meas.74 Body Plane with Back Side 10 mm on 155 Channel in IEEE802.11ac80 mode with Antenna7

Date: 2022.06.24

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5775 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.359 S/m; ε_r = 35.956; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1°C Liquid Temperature:21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.15, 5.15, 5.15); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (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)

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

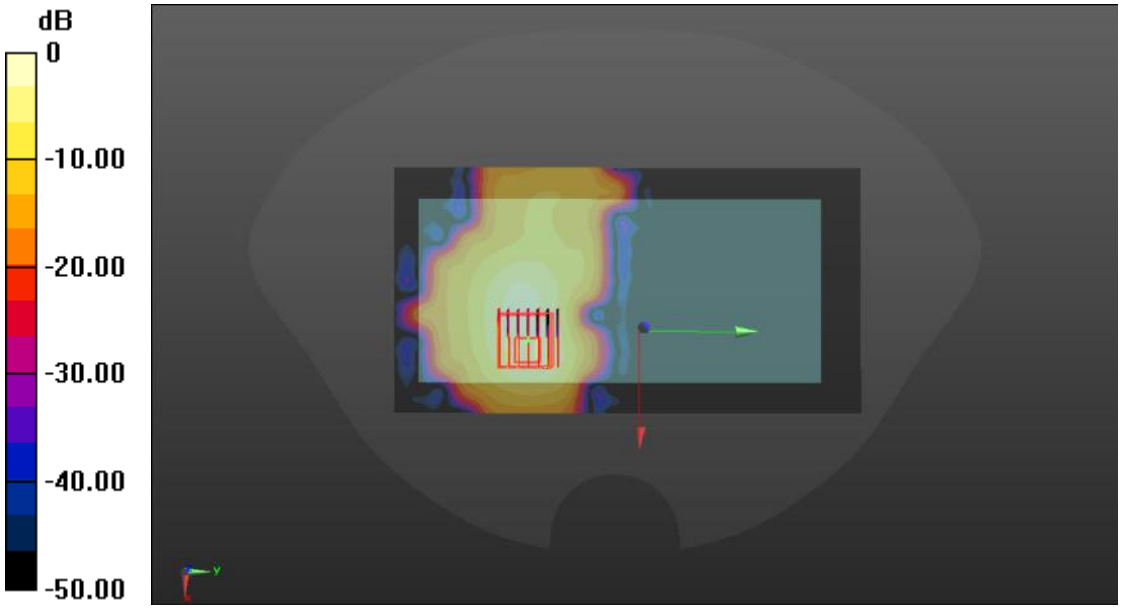
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 5.50 W/kg

SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.118 W/kg

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



0 dB = 1.08 W/kg

Meas.75 Body Plane with Top Edge 0mm on 54 Channel in 802.11n40 mode with Antenna7

Date: 2022.06.22

Communication System Band: WLAN(n)40Mhz; Frequency: 5270 MHz;Duty Cycle: 1:1.053

Medium parameters used (interpolated): f = 5270 MHz; σ = 4.802 S/m; ε_r = 36.989; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.61, 5.61, 5.61); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

Ch54/Area Scan (81x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 12.0 W/kg

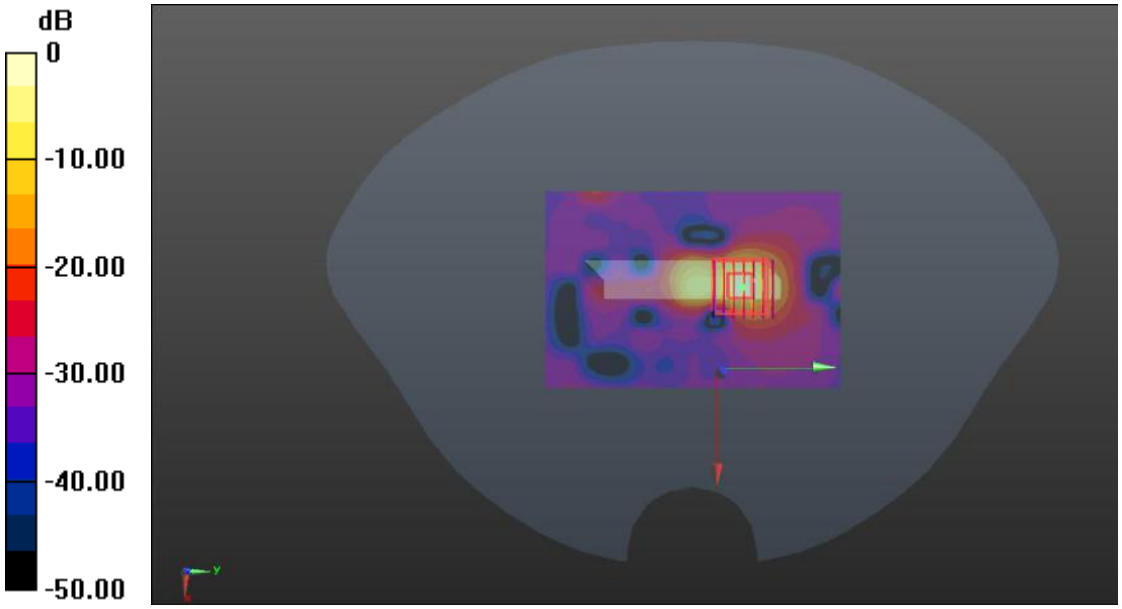
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.064 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 34.3 W/kg

SAR(1 g) = 4.45 W/kg; SAR(10 g) = 0.799 W/kg

Maximum value of SAR (measured) = 12.3 W/kg



0 dB = 12.3 W/kg

Meas.76 Body Plane with Top Edge 0mm on 122 Channel in 802.11ac80 mode with Antenna7

Date: 2022.06.23

Communication System Band: WLAN(ac) 80Mhz; Frequency: 5610 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5610 MHz; σ = 5.085 S/m; ε_r = 34.237; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2°C Liquid Temperature:21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.1, 5.1, 5.1); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (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)

Ch122/Area Scan (81x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.10 W/kg

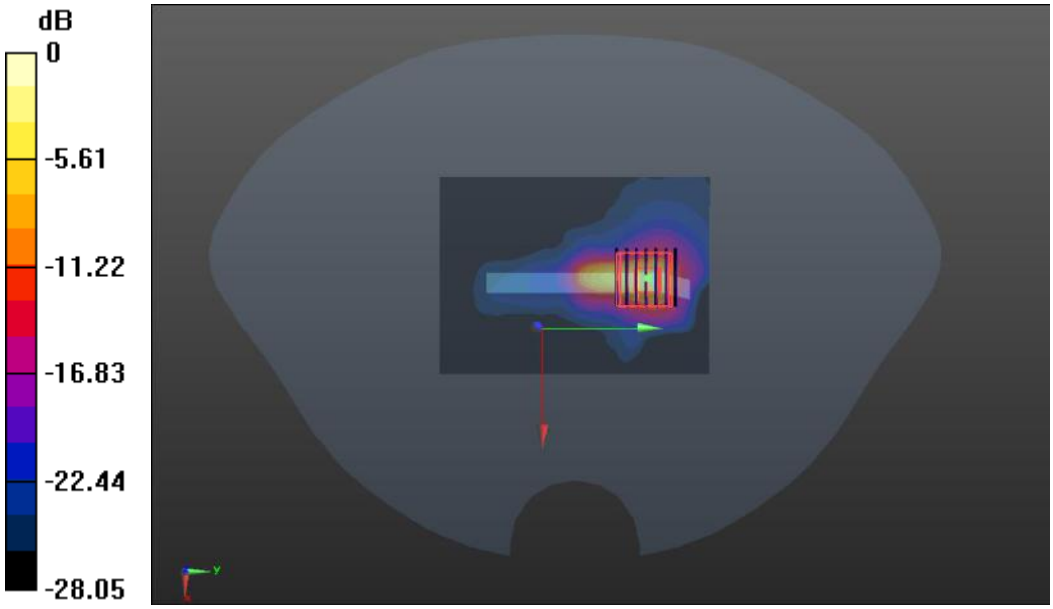
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.892 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 44.0 W/kg

SAR(1 g) = 5.71 W/kg; SAR(10 g) = 1.11 W/kg

Maximum value of SAR (measured) = 15.0 W/kg



0 dB = 15.0 W/kg

Meas.77 Left Head with Cheek on 39 Channel in Bluetooth mode

Date: 2022.06.25

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.304

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.742 S/m; ε_r = 39.675; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.6°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

Ch39/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

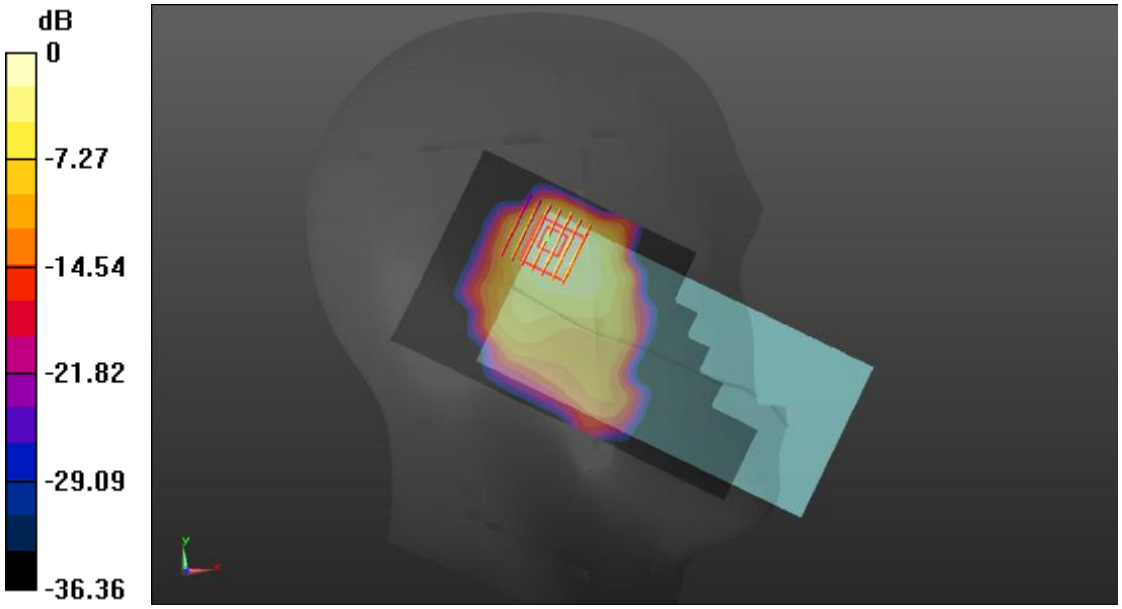
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.431 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.409 W/kg

SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.090 W/kg

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



0 dB = 0.219 W/kg

Meas.78 Body Plane with Back Side 15mm on 39 Channel in Bluetooth mode

Date: 2022.06.25

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.304

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.742 S/m; ε_r = 39.675; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

Ch39/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0233 W/kg

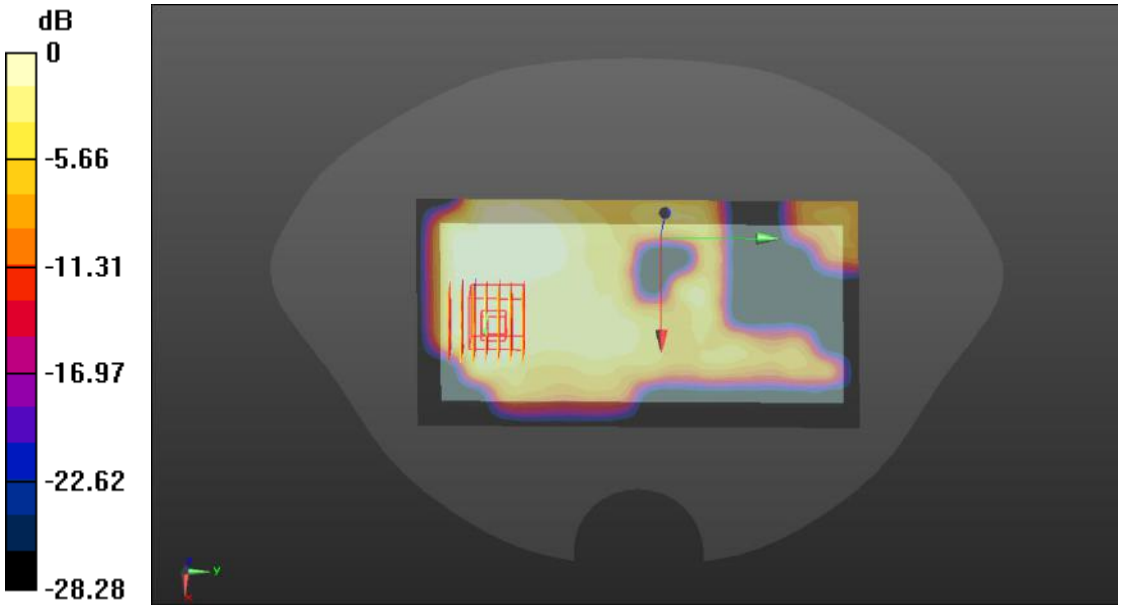
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.885 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.0390 W/kg

SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.00999 W/kg

Maximum value of SAR (measured) = 0.0211 W/kg



0 dB = 0.0211 W/kg

Meas.79 Body Plane with Top Edge 10mm on 39 Channel in Bluetooth mode

Date: 2022.06.25

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.304

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.742 S/m; ε_r = 39.675; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- 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)

Ch39/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0427 W/kg

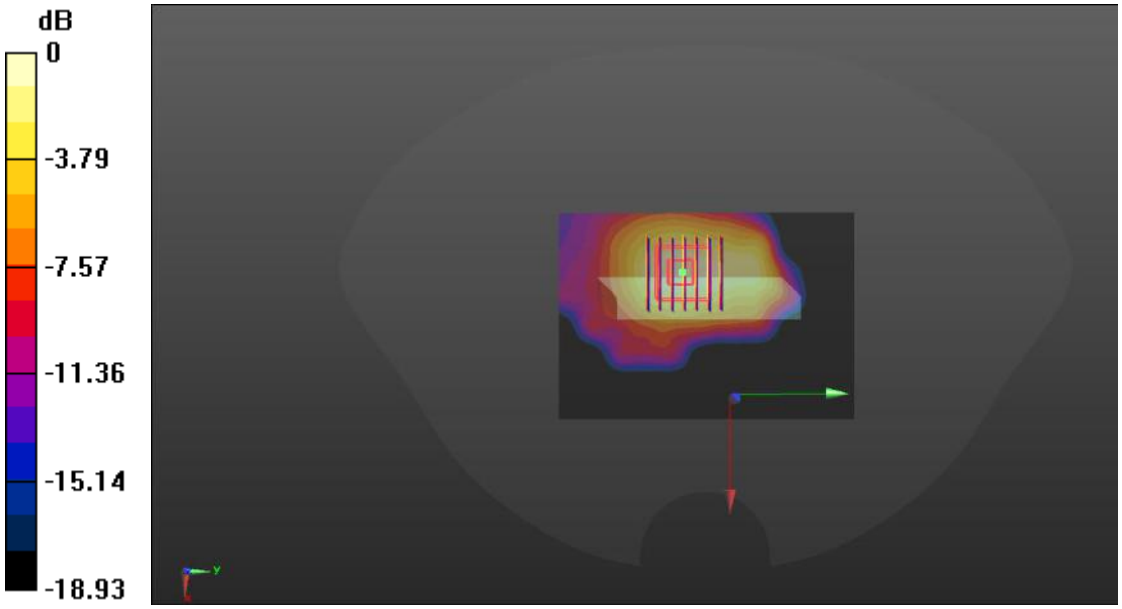
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.371 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.0690 W/kg

SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.019 W/kg

Maximum value of SAR (measured) = 0.0419 W/kg



0 dB = 0.0419 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2250753-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2250753-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “CALIBRATION REPORT.pdf”.

Statement

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