

TEST REPORT

Applicant: Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address: NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China
Equipment Type: Mobile Phone
Model Name: CPH2557
Brand Name: OPPO
FCC ID: R9C-AC105
Test Standard: FCC 47 CFR Part 2.1093
(refer to section 3.1)
Head (1 g@0mm): 1.20 W/kg
Maximum SAR: Body-worn (1 g@15mm): 0.66 W/kg
Hotspot (1 g@10mm): 1.15 W/kg
Specific (10 g@10mm): 2.69 W/kg
Sample Arrival Date: Jun. 16, 2023
Test Date: Jun. 16, 2023 - Jul. 03, 2023
Date of Issue: Sep. 06, 2023

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Ruan Zhaoyi**Checked by:** Xu Rui**Approved by:** Tolan Tu
(Testing Director)

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Sep. 06, 2023</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

1.3 Test Environment Condition

Ambient Temperature	18°C to 25°C
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

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

2.2 Manufacturer Information

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

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	CPH2557
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	ColorOS 13.1
Dimensions (Approx.)	165.61*76.02*7.99 mm
Weight (Approx.)	193 g
EUT ID	S16, S15, S14, S13, S12
IMEI Number	S16: IMEI1:862780060029190, IMEI2:862780060029182
	S15: IMEI1:862780060029596, IMEI2:862780060029588
	S14: IMEI1:862780060030974, IMEI2:862780060030966
	S13: IMEI1:862780060032194, IMEI2:862780060032186
	S12: IMEI1:862780060032293, IMEI2:862780060032285
Note1: EUT ID is used to identify the test sample in the lab internally.	
Note2: It is performed to test SAR with the EUT S16 & S15 & 14 and conducted power with the EUT S13 and S12.	

2.4 Ancillary Equipment

Ancillary Equipment 1	Li-Polymer Battery 1	
	Brand Name	SUPERVOOC
	Model No.	BLPA19
	Serial No.	N/A
	Capacitance	Rated: 4880mAh/19.09Wh Typical: 5000mAh/19.55Wh
	Rated Voltage	3.91V
	Limited Voltage	4.5 V
	Manufacturer	Sunwoda Electronic Co., Ltd.
Ancillary Equipment 2	Li-Polymer Battery 2	
	Brand Name	SUPERVOOC
	Model No.	BLPA19
	Serial No.	N/A
	Capacitance	Rated: 4880mAh/19.09Wh Typical: 5000mAh/19.55Wh
	Rated Voltage	3.91V
	Limited Voltage	4.5 V
	Manufacturer	TWS Technology (Guangzhou) Limited
Ancillary Equipment 3	Li-Polymer Battery 3	
	Brand Name	SUPERVOOC
	Model No.	BLPA19
	Serial No.	N/A
	Capacitance	Rated: 4880mAh/19.09Wh Typical: 5000mAh/19.55Wh
	Rated Voltage	3.91V
	Limited Voltage	4.5 V
	Manufacturer	Chongqing CosMX Battery Co., Ltd.
Ancillary Equipment 4	Li-Polymer Battery 4	
	Brand Name	SUPERVOOC
	Model No.	BLPA19
	Serial No.	N/A
	Capacitance	Rated: 4880mAh/19.09Wh Typical: 5000mAh/19.55Wh
	Rated Voltage	3.91V
	Limited Voltage	4.5 V
	Manufacturer	Dongguan NVT Technology Co.,Ltd
Note: The EUT has four Batterys, they are same with electrical parameters, but only differ in Manufacturer and battery cell. By comparing the test data of four Batteries, battery 1 can produce a more conservative SAR values. The battery of the Manufacturer is Sunwoda Electronic Co., Ltd. as the main for test in this report.		

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/13/17/26/66 LTE TDD Band 38/41 LTE CA Uplink (UL): CA_7C, CA_38C, CA_41C 5G Network SA: NR n5/n7/n38/n41/n66 NSA(EN-DC): DC_2A_n7A, DC_2A_n66A, DC_5A_n7A, DC_5A_n66A, DC_7A_5A, DC_7A_n66A, DC_12A_n66A, DC_26A_n41A, DC_66A_n5A, DC_66A_n7A, DC_66A_n41A Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), VHT20/40 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, BDS, Galileo, SBAS, FM Receiver, NFC
Note 1: The EUT is a mobile phone, supporting dual SIM card slots under the same transceiver. Both SIM card slots support GSM, WCDMA, LTE and NR. And both SIM card slots share the same transceiver, so only SIM1 is 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 & 824 ~ 849 MHz	RX: 859 ~ 894 MHz & 869 ~ 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 /n(HT20/HT40)	2412 ~ 2462 MHz	
	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		
Product Type	Portable Device		
EUT Type	☒ Production unit	☐ Identical prototype	
Note: 1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G 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 9.9.			

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate(SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
5	KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	KDB 941225 D05A v01r02	REL. 10 LTE SAR TEST GUIDANCE AND KDB INQUIRIES
7	KDB 941225 D06 v02r01	SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES
8	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
9	KDB 865664 D02 v01r02	RF Exposure Reporting
10	KDB 648474 D04 v01r03	SAR EVALUATION CONSIDERATIONS FOR WIRELESS HANDSETS
11	KDB 248227 D01 v02r02	SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

Body Position	SAR Value (W/Kg)	
	General Population/ Uncontrolled Exposure	Occupational/ 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 Values

Equipment Class	Band	Maximum Scaled SAR (W/kg)				Maximum Report SAR (W/kg)			
		Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)	Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)
		1g SAR			10g SAR	1g SAR			10g SAR
PCE	GSM 850	0.77	0.22	0.45	/	1.20	0.66	1.15	2.69
	GSM 1900	1.11	0.25	0.59	/				
	WCDMA Band 2	0.98	0.33	0.70	/				
	WCDMA Band 4	0.90	0.32	0.75	1.68				
	WCDMA Band 5	0.74	0.20	0.32	/				
	LTE Band 2	1.20	0.29	0.71	/				
	LTE Band 4	0.96	0.25	0.63	1.69				
	LTE Band 5	0.77	0.23	0.33	/				
	LTE Band 7	0.88	0.24	0.68	1.28				
	LTE Band 7C	0.87	0.24	0.52	1.26				
	LTE Band 12	0.56	0.21	0.17	/				
	LTE Band 13	0.63	0.16	0.32	/				
	LTE Band 17	0.54	0.21	0.22	/				
	LTE Band 26	0.79	0.19	0.32	/				
	LTE Band 66	0.79	0.27	0.64	1.42				
	LTE Band 38	0.76	0.29	0.78	/				
	LTE Band 38C	0.75	0.28	0.46	/				
	LTE Band 41	1.13	0.30	0.60	/				
	LTE Band 41C	1.12	0.29	0.49	/				
	NR n5	0.64	0.19	0.35	/				
	NR n7	1.11	0.40	0.91	1.64				
	NR n38	0.61	0.42	0.84	2.19				
	NR n41	0.94	0.43	0.94	2.69				
	NR n66	1.04	0.27	0.73	1.69				
DTS	2.4G WLAN	0.34	0.06	0.14	/				
NII	5G WLAN	0.72	0.66	1.15	0.96				
DSS	Bluetooth	0.34	0.04	0.09	/				
Limit (W/kg)		1.6			4.0	1.6			4.0
Verdict		PASS							

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)			
	Head 1g (0mm)	Body-worn 1g (15mm)	Hotspot 1g (10mm)	Specific 10g (0mm)
PCE	1.42	1.13	1.47	2.93
DTS	1.11	0.49	1.20	/
NII	1.42	1.13	1.47	2.93
DSS	1.42	1.13	1.47	2.93
Limit (W/Kg)	1.60	1.60	1.60	4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 13.2				

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.20 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

The maximum 10 g SAR for the EUT in this report is 2.69 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:

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

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

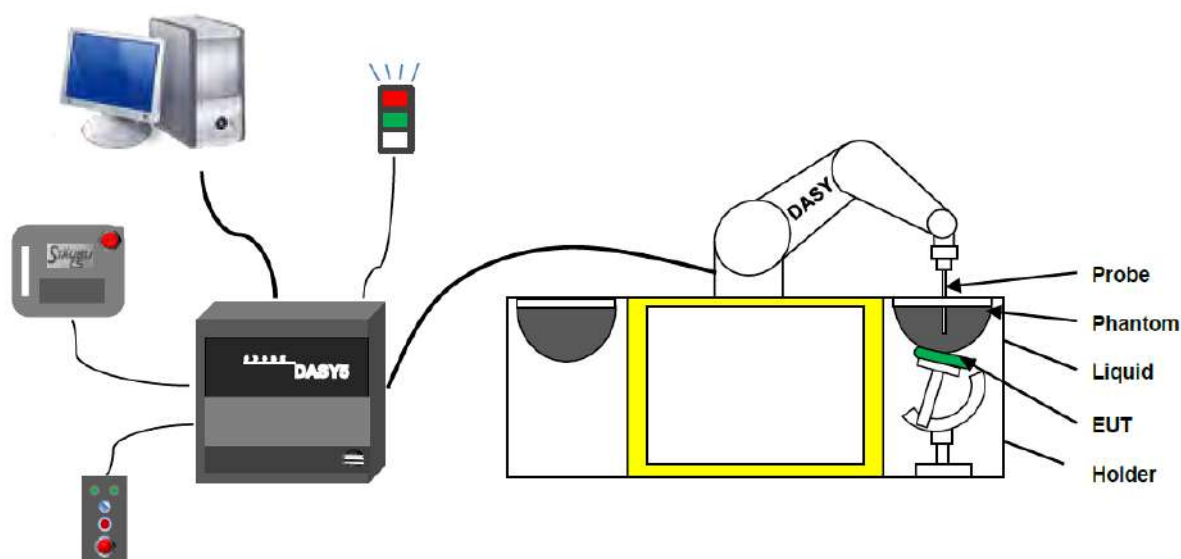
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



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

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

4.2.2 Robot

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



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

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN:7510 & 7607 with following specifications is used.

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

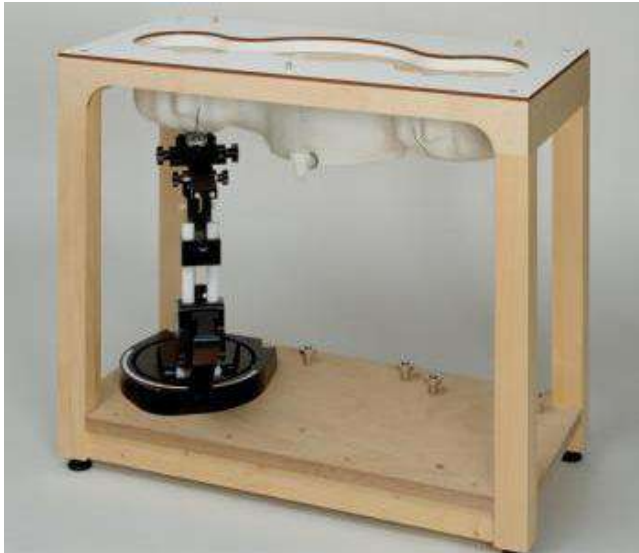
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through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



- Input Impedance: 200M Ω
- The Inputs: Symmetrical and Floating
- Common Mode Rejection: Above 80dB

4.2.5 Phantoms

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



- Left head
- Right head
- Flat phantom

Photo of Phantom SN1857



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

4.2.6 Device Holder

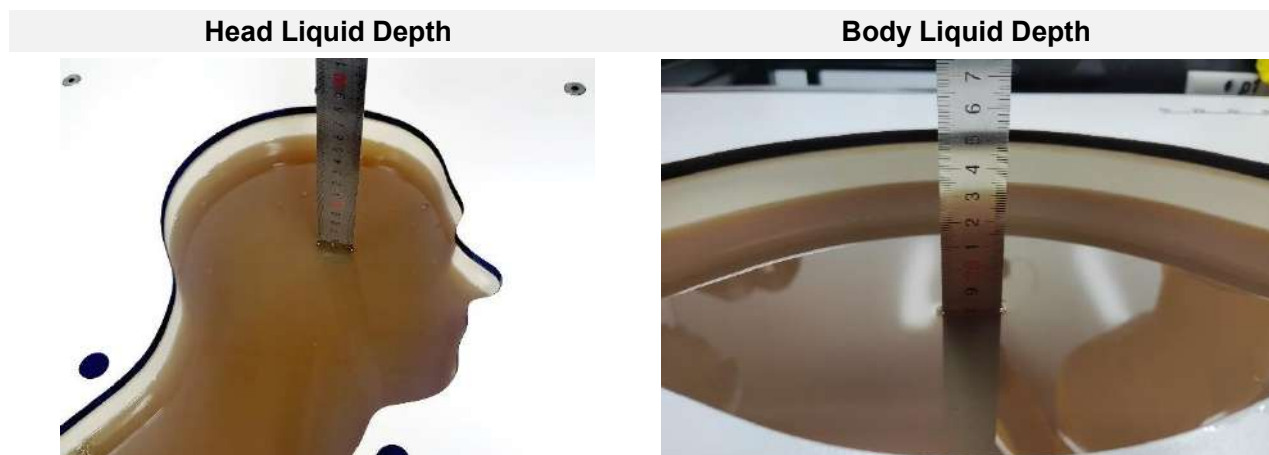
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for 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%.



The following table gives the recipes for tissue simulating liquid.

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

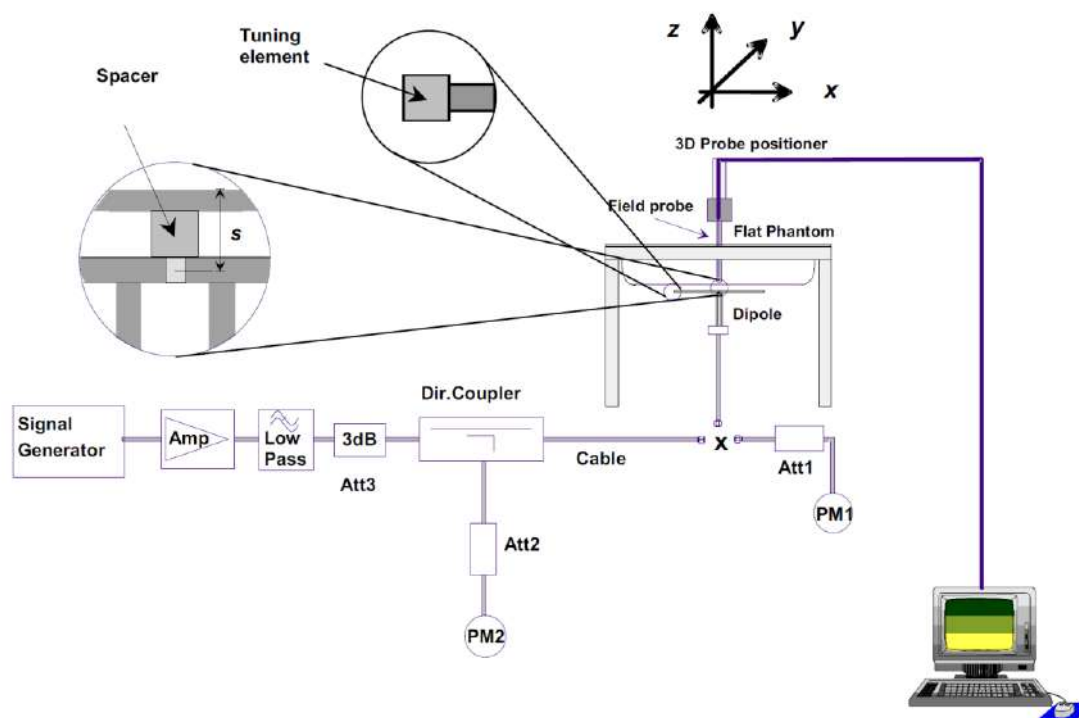
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

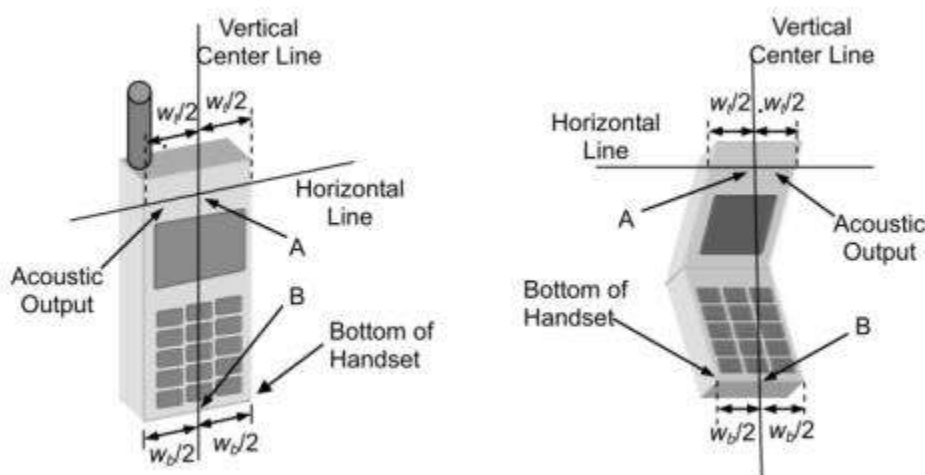
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

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

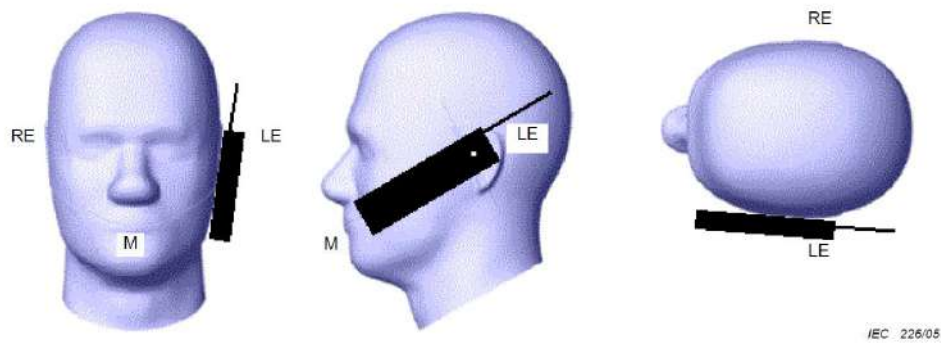
6.1.1 Two Imaginary Lines on the Handset

- 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.
- 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.
- 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

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



6.1.3 Tilted Position

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

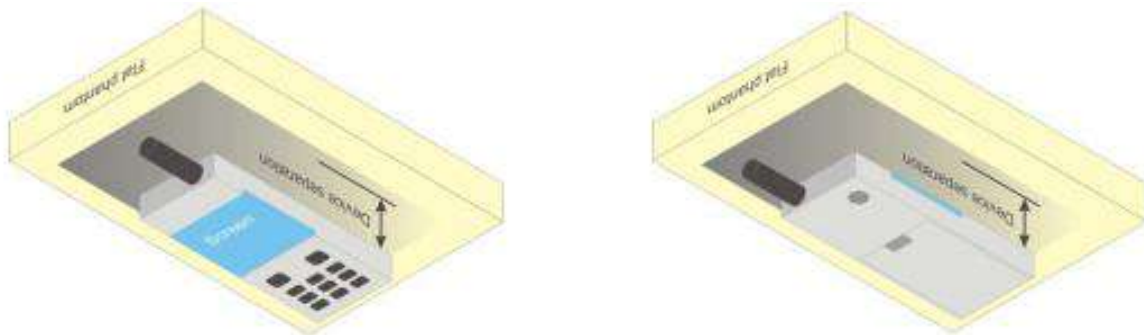


6.2 Body-worn Position Conditions

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

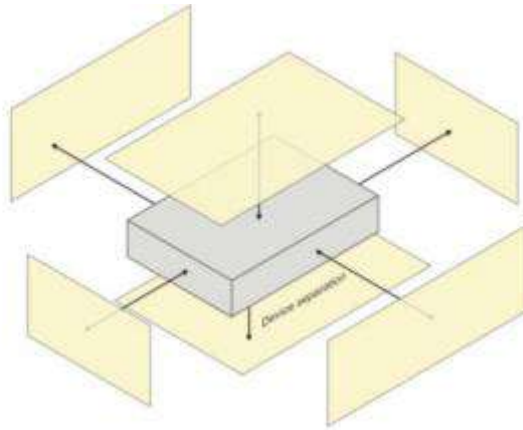
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



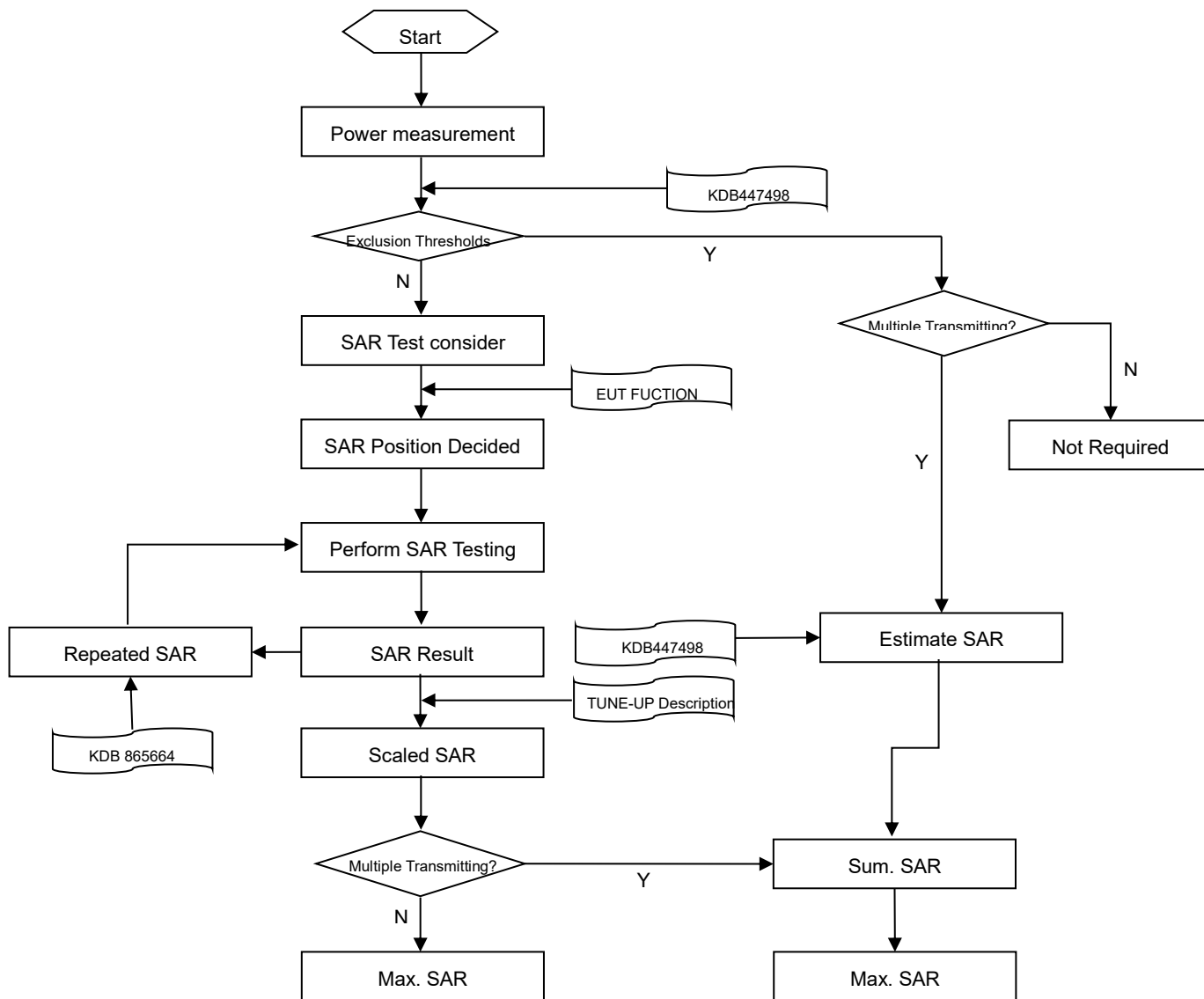
6.4 Product Specific 10g Exposure Consideration

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

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

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. Both the 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.

			≤3GHz	>3GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5±1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30°±1°	20°±1°
Maximum area scan spatial resolution: Δx Area , Δy Area			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3–4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			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.	
Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom			≤ 2 GHz: ≤ 8 mm 2 –3 GHz: ≤ 5 mm*	3–4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)		≤ 5 mm	3–4 GHz: ≤ 4 mm
				4–5 GHz: ≤ 3 mm
				5–6 GHz: ≤ 2 mm
	graded grid	Δz Zoom (1): between 1st two points closest to phantom surface	≤ 4 mm	3–4 GHz: ≤ 3 mm
				4–5 GHz: ≤ 2.5 mm
		Δz Zoom (n>1): between subsequent points	≤ 1.5·Δz Zoom (n-1)	
Minimum zoom scan volume	x, y, z		≥30 mm	3–4 GHz: ≥ 28 mm
				4–5 GHz: ≥ 25 mm
				5–6 GHz: ≥ 22 mm

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.

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 to 16 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 UL duty cycle detection mechanism specification

8.1 Description

The device supporting the UL duty cycle detection mechanism for LTE TDD & NR5G (including FR1 SA and FR1 ENDC), the rest RAT will not apply. The main purpose is to distinguish duty cycle of UL symbol and apply the relevant power levels accordingly. The main purpose is to provide enhanced user experience while meeting the SAR compliance for transmission scheduling.

8.2 SAR test Plan

For each band, the conducted power for each duty cycle has been measured. The SAR evaluation uses the highest specified time-averaged output power configuration.

(1) For 5G NR test, using factory test mode to perform SAR with the highest specified time-averaged output power configuration, and UL duty cycle =100%.

(2) For LTE TDD test, power class using uplink-downlink configuration 0 and special subframe configuration 7 for frame structure type to perform SAR with the highest specified time-averaged output power configuration, and UL duty cycle =63.3%.

8.3 Conducted Power

Please refer the document “BL-SZ2360554-701 DC SAR Power List.pdf”.

9 CONDUCTED RF OUPUT POWER

9.1 GSM

Please refer the document “BL-SZ2360554-701 Conducted RF Output Power List.pdf”.

9.2 WCDMA

Please refer the document “BL-SZ2360554-701 Conducted RF Output Power List.pdf”.

9.3 LTE

Please refer the document “BL-SZ2360554-701 Conducted RF Output Power List.pdf”.

9.4 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 sectino6.2.2A.1 and section 6.2.2A.2 test procedure.
3. For intra-band uplink CA output power was measured high / middle / low channel combination, and for SAR verification is selected highest output power combination with each exposure condition in each frequency band using the highest SAR configuration test in standalone LTE mode.

Please refer the document “BL-SZ2360554-701 Conducted RF Output Power List.pdf”.

9.5 NR-SA Power

Please refer the document “BL-SZ2360554-701 Conducted RF Output Power List.pdf”.

9.6 NR-NSA Power

Please refer the document “BL-SZ2360554-701 Conducted RF Output Power List.pdf”.

9.7 WIFI

9.7.1 2.4G WIFI-Ant.7-Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)
2.4 (2.4~2.4835)	802.11b	1	2412	12.74	14.00
		2	2417	12.54	14.50
		3	2422	12.91	14.50
		4	2427	13.16	14.50
		5	2432	12.88	14.50
		6	2437	14.12	14.50
		7	2442	13.04	14.50
		8	2447	13.02	15.00
		9	2452	12.98	14.50
		10	2457	12.74	14.50
		11	2462	11.08	13.00
	802.11g	1	2412	13.59	15.00
		2	2417	15.78	17.00
		6	2437	15.49	17.00
		10	2457	15.38	17.00
		11	2462	12.55	14.50
	802.11n(HT20)	1	2412	13.55	15.00
		2	2417	15.68	17.00
		6	2437	15.49	17.00
		10	2457	15.37	17.00
		11	2462	12.52	14.50
	802.11n(HT40)	3	2422	11.53	13.00
		4	2427	11.61	13.00
		5	2432	13.56	15.00
		6	2437	14.54	16.50
		7	2442	12.41	14.00
		8	2447	11.58	13.50
		9	2452	11.55	13.50
	VHT(20 MHz)	1	2412	13.24	14.50
		2	2417	15.72	17.00
		6	2437	15.46	17.00
		10	2457	15.37	17.00
		11	2462	12.55	14.50
	VHT(40 MHz)	3	2422	11.98	13.00
		4	2427	12.13	13.00

		5	2432	13.72	15.00
		6	2437	14.79	16.50
		7	2442	12.56	14.00
		8	2447	11.60	13.50
		9	2452	11.59	13.50

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

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

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

9.7.2 2.4G WIFI-Ant.7-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.74	14.00	No
		2	2417	12.54	14.50	No
		3	2422	12.91	14.50	No
		4	2427	13.16	14.50	No
		5	2432	12.88	14.50	No
		6	2437	14.12	14.50	Yes
		7	2442	13.04	14.50	No
		8	2447	13.02	15.00	No
		9	2452	12.98	14.50	No
		10	2457	12.74	14.50	No
		11	2462	11.08	13.00	No
	802.11g	1	2412	13.59	15.00	No
		2	2417	15.54	16.50	No
		6	2437	15.52	16.50	No
		10	2457	15.34	16.50	No
		11	2462	12.55	14.50	No
	802.11n(HT20)	1	2412	13.55	15.00	No
		2	2417	15.37	16.50	No
		6	2437	15.41	16.50	No
		10	2457	15.56	16.50	No
		11	2462	12.52	14.50	No
	802.11n(HT40)	3	2422	11.53	13.00	No
		4	2427	11.61	13.00	No
		5	2432	13.56	15.00	No
		6	2437	14.54	16.50	No
		7	2442	12.41	14.00	No
		8	2447	11.58	13.50	No
		9	2452	11.55	13.50	No
	VHT(20 MHz)	1	2412	13.24	14.50	No
		2	2417	15.64	16.50	No
		6	2437	15.61	16.50	No
		10	2457	15.56	16.50	No
		11	2462	12.55	14.50	No
	VHT(40 MHz)	3	2422	11.98	13.00	No
		4	2427	12.13	13.00	No
		5	2432	13.72	15.00	No

		6	2437	14.79	16.50	No
		7	2442	12.56	14.00	No
		8	2447	11.60	13.50	No
		9	2452	11.59	13.50	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/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.

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

Adjusted SAR = $0.341 * (44.67\text{mW}/19.95\text{mW}) = 0.764$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.3 2.4G WIFI-Ant.7-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	10.06	11.00	No
		2	2417	9.76	11.00	No
		3	2422	9.95	11.00	No
		4	2427	10.05	11.00	No
		5	2432	10.62	11.00	Yes
		6	2437	10.15	11.00	No
		7	2442	10.58	11.00	No
		8	2447	9.54	11.00	No
		9	2452	9.60	11.00	No
		10	2457	9.59	11.00	No
		11	2462	9.54	11.00	No
	802.11g	1	2412	9.80	11.00	No
		2	2417	9.81	11.00	No
		6	2437	9.95	11.00	No
		10	2457	9.99	11.00	No
		11	2462	10.00	11.00	No
	802.11n(HT20)	1	2412	9.83	11.00	No
		2	2417	10.20	11.00	No
		6	2437	10.10	11.00	No
		10	2457	9.95	11.00	No
		11	2462	9.84	11.00	No
	802.11n(HT40)	3	2422	9.98	11.00	No
		4	2427	9.99	11.00	No
		5	2432	9.81	11.00	No
		6	2437	9.80	11.00	No
		7	2442	9.96	11.00	No
		8	2447	10.19	11.00	No
		9	2452	9.99	11.00	No
	VHT(20 MHz)	1	2412	9.92	11.00	No
		2	2417	10.07	11.00	No
		6	2437	9.91	11.00	No
		10	2457	9.80	11.00	No
		11	2462	10.04	11.00	No
	VHT(40 MHz)	3	2422	10.11	11.00	No
		4	2427	10.09	11.00	No
		5	2432	9.86	11.00	No

		6	2437	9.85	11.00	No
		7	2442	10.08	11.00	No
		8	2447	10.20	11.00	No
		9	2452	9.88	11.00	No

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

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

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

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

Adjusted SAR = $0.156 * (12.59\text{mW}/12.59\text{mW}) = 0.156$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.4 2.4G WIFI-Ant.7-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.74	14.00	No
		2	2417	12.54	14.50	No
		3	2422	12.91	14.50	No
		4	2427	13.16	14.50	No
		5	2432	12.88	14.50	No
		6	2437	14.12	14.50	Yes
		7	2442	13.04	14.50	No
		8	2447	13.02	15.00	No
		9	2452	12.98	14.50	No
		10	2457	12.74	14.50	No
		11	2462	11.08	13.00	No
	802.11g	1	2412	13.59	15.00	No
		2	2417	15.78	17.00	No
		6	2437	15.49	17.00	No
		10	2457	15.38	17.00	No
		11	2462	12.55	14.50	No
	802.11n(HT20)	1	2412	13.55	15.00	No
		2	2417	15.68	17.00	No
		6	2437	15.49	17.00	No
		10	2457	15.37	17.00	No
		11	2462	12.52	14.50	No
	802.11n(HT40)	3	2422	11.53	13.00	No
		4	2427	11.61	13.00	No
		5	2432	13.56	15.00	No
		6	2437	14.54	16.50	No
		7	2442	12.41	14.00	No
		8	2447	11.58	13.50	No
		9	2452	11.55	13.50	No
	VHT(20 MHz)	1	2412	13.24	14.50	No
		2	2417	15.72	17.00	No
		6	2437	15.46	17.00	No
		10	2457	15.37	17.00	No
		11	2462	12.55	14.50	No
	VHT(40 MHz)	3	2422	11.98	13.00	No
		4	2427	12.13	13.00	No
		5	2432	13.72	15.00	No

		6	2437	14.79	16.50	No
		7	2442	12.56	14.00	No
		8	2447	11.60	13.50	No
		9	2452	11.59	13.50	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/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.

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

Adjusted SAR = $0.137 * (50.12\text{mW}/19.95\text{mW}) = 0.344$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.5 2.4G WIFI-Ant.7-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.38	13.50	No
		2	2417	12.55	13.50	No
		3	2422	12.81	13.50	No
		4	2427	12.97	13.50	No
		5	2432	13.01	13.50	Yes
		6	2437	12.52	13.50	No
		7	2442	12.44	13.50	No
		8	2447	12.89	13.50	No
		9	2452	12.20	13.50	No
		10	2457	12.16	13.50	No
		11	2462	11.08	13.00	No
	802.11g	1	2412	12.66	13.50	No
		2	2417	12.41	13.50	No
		6	2437	12.46	13.50	No
		10	2457	12.70	13.50	No
		11	2462	12.50	13.50	No
	802.11n(HT20)	1	2412	12.57	13.50	No
		2	2417	12.46	13.50	No
		6	2437	12.36	13.50	No
		10	2457	12.70	13.50	No
		11	2462	12.36	13.50	No
	802.11n(HT40)	3	2422	11.53	13.00	No
		4	2427	11.61	13.00	No
		5	2432	12.58	13.50	No
		6	2437	12.62	13.50	No
		7	2442	12.65	13.50	No
		8	2447	11.58	13.50	No
		9	2452	11.55	13.50	No
	VHT(20 MHz)	1	2412	12.44	13.50	No
		2	2417	12.52	13.50	No
		6	2437	12.47	13.50	No
		10	2457	12.45	13.50	No
		11	2462	12.68	13.50	No
	VHT(40 MHz)	3	2422	11.98	13.00	No
		4	2427	12.13	13.00	No
		5	2432	12.36	13.50	No

		6	2437	12.49	13.50	No
		7	2442	12.33	13.50	No
		8	2447	11.60	13.50	No
		9	2452	11.59	13.50	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/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.

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

Adjusted SAR = $0.108 * (22.39\text{mW}/22.39\text{mW}) = 0.108$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.6 5G WIFI-Ant.7-Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)
5.2 (5.15~5.25)	802.11a	36	5180	16.71	18.00
		44	5220	16.69	18.00
		48	5240	16.62	18.00
	802.11n(HT20)	36	5180	16.61	18.00
		44	5220	16.56	18.00
		48	5240	16.62	18.00
	802.11n(HT40)	38	5190	13.69	14.00
		46	5230	16.71	18.00
	802.11ac(VHT20)	36	5180	16.54	18.00
		44	5220	16.51	18.00
		48	5240	16.59	18.00
	802.11ac(VHT40)	38	5190	12.59	14.00
		46	5230	16.80	18.00
	802.11ac(VHT80)	42	5210	10.09	11.50
5.3 (5.25~5.35)	802.11a	52	5260	16.81	18.00
		60	5300	16.84	18.00
		64	5320	14.79	16.00
	802.11n(HT20)	52	5260	16.68	18.00
		60	5300	16.81	18.00
		64	5320	15.65	17.00
	802.11n(HT40)	54	5270	16.83	18.00
		62	5310	12.28	13.50
	802.11ac(VHT20)	52	5260	16.71	18.00
		60	5300	16.70	18.00
		64	5320	15.70	17.00
	802.11ac(VHT40)	54	5270	16.83	18.00
		62	5310	12.25	13.50
	802.11ac(VHT80)	58	5290	10.08	11.50
5.6 (5.47~5.725)	802.11a	100	5500	14.92	15.50
		104	5520	14.85	15.50
		116	5580	14.95	15.50
		136	5680	15.31	15.50
		140	5700	15.38	15.50
	802.11n(HT20)	100	5500	12.23	13.50
		104	5520	12.44	13.50
		116	5580	12.70	13.50

		136	5680	12.56	13.50
		140	5700	13.30	13.50
	802.11n(HT40)	102	5510	10.18	11.50
		110	5550	10.62	11.50
		118	5590	10.33	11.50
		126	5630	10.59	11.50
		134	5670	10.42	11.50
	802.11ac(VHT20)	100	5500	13.21	14.50
		104	5520	13.37	14.50
		116	5580	13.66	14.50
		136	5680	13.54	14.50
		140	5700	14.27	14.50
	802.11ac(VHT40)	102	5510	10.29	11.50
		110	5550	10.52	11.50
		118	5590	10.31	11.50
		126	5630	10.38	11.50
		134	5670	10.46	11.50
	802.11ac(VHT80)	106	5530	11.18	12.50
		122	5610	11.69	12.50
5.8 (5.725~5.850)	802.11a	149	5745	16.87	17.50
		157	5785	16.93	17.50
		165	5825	16.94	17.50
	802.11n(HT20)	149	5745	16.77	17.50
		157	5785	16.80	17.50
		165	5825	16.79	17.50
	802.11n(HT40)	151	5755	16.95	17.50
		159	5795	16.94	17.50
	802.11ac(VHT20)	149	5745	16.80	17.50
		157	5785	16.74	17.50
		165	5825	16.76	17.50
	802.11ac(VHT40)	151	5755	16.96	17.50
		159	5795	16.95	17.50
	802.11ac(VHT80)	155	5775	16.77	17.50

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.

9.7.7 5G WIFI-Ant.7-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.66	15.50	No
		44	5220	14.35	15.50	No
		48	5240	14.58	15.50	No
	802.11n(HT20)	36	5180	14.68	15.50	No
		44	5220	14.57	15.50	No
		48	5240	14.47	15.50	No
	802.11n(HT40)	38	5190	13.69	14.00	No
		46	5230	14.54	15.50	No
	802.11ac(VHT20)	36	5180	14.62	15.50	No
		44	5220	14.63	15.50	No
		48	5240	14.50	15.50	No
	802.11ac(VHT40)	38	5190	12.59	14.00	No
		46	5230	14.56	15.50	No
	802.11ac(VHT80)	42	5210	10.09	11.50	No
5.3 (5.25~5.35)	802.11a	52	5260	14.40	15.50	No
		60	5300	14.47	15.50	No
		64	5320	14.79	15.50	No
	802.11n(HT20)	52	5260	14.33	15.50	No
		60	5300	14.55	15.50	No
		64	5320	14.51	15.50	No
	802.11n(HT40)	54	5270	14.74	15.50	Yes
		62	5310	12.28	13.50	No
	802.11ac(VHT20)	52	5260	14.51	15.50	No
		60	5300	14.34	15.50	No
		64	5320	14.34	15.50	No
	802.11ac(VHT40)	54	5270	14.39	15.50	No
		62	5310	12.25	13.50	No
	802.11ac(VHT80)	58	5290	10.08	11.50	No
5.6 (5.47~5.725)	802.11a	100	5500	14.92	15.50	No
		104	5520	14.85	15.50	No
		116	5580	14.95	15.50	No
		136	5680	15.31	15.50	No
		140	5700	15.38	15.50	Yes
	802.11n(HT20)	100	5500	12.23	13.50	No
		104	5520	12.61	13.50	No
		116	5580	12.43	13.50	No

		136	5680	12.48	13.50	No
		140	5700	13.30	13.50	No
	802.11n(HT40)	102	5510	10.18	11.50	No
		110	5550	10.34	11.50	No
		118	5590	10.41	11.50	No
		126	5630	10.33	11.50	No
		134	5670	10.66	11.50	No
	802.11ac(VHT20)	100	5500	13.21	14.50	No
		104	5520	13.67	14.50	No
		116	5580	13.33	14.50	No
		136	5680	13.69	14.50	No
		140	5700	14.27	14.50	No
	802.11ac(VHT40)	102	5510	10.29	11.50	No
		110	5550	10.69	11.50	No
		118	5590	10.41	11.50	No
		126	5630	10.65	11.50	No
		134	5670	10.52	11.50	No
	802.11ac(VHT80)	106	5530	11.18	12.50	No
		122	5610	11.46	12.50	No
5.8 (5.725~5.850)	802.11a	149	5745	14.45	15.50	No
		157	5785	14.61	15.50	No
		165	5825	14.37	15.50	No
	802.11n(HT20)	149	5745	14.60	15.50	No
		157	5785	14.60	15.50	No
		165	5825	14.63	15.50	No
	802.11n(HT40)	151	5755	14.68	15.50	No
		159	5795	14.43	15.50	No
	802.11ac(VHT20)	149	5745	14.41	15.50	No
		157	5785	14.58	15.50	No
		165	5825	14.60	15.50	No
	802.11ac(VHT40)	151	5755	14.46	15.50	No
		159	5795	14.47	15.50	No
	802.11ac(VHT80)	155	5775	15.21	15.50	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.

9.7.8 5G WIFI-Ant.7-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.14	13.00	No
		44	5220	12.11	13.00	No
		48	5240	11.91	13.00	No
	802.11n(HT20)	36	5180	11.83	13.00	No
		44	5220	12.12	13.00	No
		48	5240	12.18	13.00	No
	802.11n(HT40)	38	5190	11.98	13.00	No
		46	5230	12.07	13.00	No
	802.11ac(VHT20)	36	5180	11.80	13.00	No
		44	5220	12.16	13.00	No
		48	5240	12.07	13.00	No
	802.11ac(VHT40)	38	5190	12.15	13.00	No
		46	5230	12.04	13.00	No
	802.11ac(VHT80)	42	5210	10.09	11.50	No
5.3 (5.25~5.35)	802.11a	52	5260	12.19	13.00	No
		60	5300	12.05	13.00	No
		64	5320	11.88	13.00	No
	802.11n(HT20)	52	5260	11.92	13.00	No
		60	5300	12.05	13.00	No
		64	5320	11.83	13.00	No
	802.11n(HT40)	54	5270	11.92	13.00	No
		62	5310	12.04	13.00	Yes
	802.11ac(VHT20)	52	5260	11.98	13.00	No
		60	5300	12.15	13.00	No
		64	5320	12.15	13.00	No
	802.11ac(VHT40)	54	5270	12.16	13.00	No
		62	5310	12.06	13.00	No
	802.11ac(VHT80)	58	5290	10.45	11.50	No
5.6 (5.47~5.725)	802.11a	100	5500	12.38	13.00	No
		104	5520	12.30	13.00	No
		116	5580	12.47	13.00	No
		136	5680	12.41	13.00	No
		140	5700	12.65	13.00	Yes
	802.11n(HT20)	100	5500	12.06	13.00	No
		104	5520	11.83	13.00	No
		116	5580	11.91	13.00	No

		136	5680	11.81	13.00	No
		140	5700	12.06	13.00	No
	802.11n(HT40)	102	5510	10.43	11.50	No
		110	5550	10.30	11.50	No
		118	5590	10.54	11.50	No
		126	5630	10.31	11.50	No
		134	5670	10.34	11.50	No
	802.11ac(VHT20)	100	5500	12.04	13.00	No
		104	5520	11.87	13.00	No
		116	5580	11.98	13.00	No
		136	5680	12.15	13.00	No
		140	5700	12.02	13.00	No
	802.11ac(VHT40)	102	5510	10.29	11.50	No
		110	5550	10.70	11.50	No
		118	5590	10.46	11.50	No
		126	5630	10.65	11.50	No
		134	5670	10.40	11.50	No
	802.11ac(VHT80)	106	5530	11.18	12.50	No
		122	5610	11.81	12.50	No
5.8 (5.725~5.850)	802.11a	149	5745	11.98	13.00	No
		157	5785	12.11	13.00	No
		165	5825	12.15	13.00	No
	802.11n(HT20)	149	5745	11.89	13.00	No
		157	5785	12.07	13.00	No
		165	5825	12.20	13.00	No
	802.11n(HT40)	151	5755	11.84	13.00	No
		159	5795	12.16	13.00	No
	802.11ac(VHT20)	149	5745	12.05	13.00	No
		157	5785	11.98	13.00	No
		165	5825	11.92	13.00	No
	802.11ac(VHT40)	151	5755	12.13	13.00	No
		159	5795	11.88	13.00	No
	802.11ac(VHT80)	155	5775	11.83	13.00	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.

9.7.9 5G WIFI-Ant.7-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	16.38	17.50	No
		44	5220	16.16	17.50	No
		48	5240	16.35	17.50	No
	802.11n(HT20)	36	5180	16.55	17.50	No
		44	5220	16.49	17.50	No
		48	5240	16.13	17.50	No
	802.11n(HT40)	38	5190	13.69	14.00	No
		46	5230	16.02	17.50	Yes
	802.11ac(VHT20)	36	5180	16.34	17.50	No
		44	5220	16.56	17.50	No
		48	5240	16.59	17.50	No
	802.11ac(VHT40)	38	5190	12.59	14.00	No
		46	5230	16.50	17.50	No
	802.11ac(VHT80)	42	5210	10.09	11.50	No
5.3 (5.25~5.35)	802.11a	52	5260	16.46	17.50	No
		60	5300	16.30	17.50	No
		64	5320	14.79	16.00	No
	802.11n(HT20)	52	5260	16.44	17.50	No
		60	5300	16.42	17.50	No
		64	5320	15.65	17.00	No
	802.11n(HT40)	54	5270	16.35	17.50	Yes
		62	5310	12.28	13.50	No
	802.11ac(VHT20)	52	5260	16.63	17.50	No
		60	5300	16.49	17.50	No
		64	5320	15.70	17.00	No
	802.11ac(VHT40)	54	5270	16.44	17.50	No
		62	5310	12.25	13.50	No
	802.11ac(VHT80)	58	5290	10.08	11.50	No
5.6 (5.47~5.725)	802.11a	100	5500	14.92	15.50	No
		104	5520	14.85	15.50	No
		116	5580	14.95	15.50	No
		136	5680	15.31	15.50	No
		140	5700	15.38	15.50	Yes
	802.11n(HT20)	100	5500	12.23	13.50	No
		104	5520	12.64	13.50	No
		116	5580	12.35	13.50	No

		136	5680	12.57	13.50	No
		140	5700	13.30	13.50	No
	802.11n(HT40)	102	5510	10.18	11.50	No
		110	5550	10.51	11.50	No
		118	5590	10.40	11.50	No
		126	5630	10.68	11.50	No
		134	5670	10.65	11.50	No
	802.11ac(VHT20)	100	5500	13.21	14.50	No
		104	5520	13.68	14.50	No
		116	5580	13.37	14.50	No
		136	5680	13.51	14.50	No
		140	5700	14.27	14.50	No
	802.11ac(VHT40)	102	5510	10.29	11.50	No
		110	5550	10.68	11.50	No
		118	5590	10.44	11.50	No
		126	5630	10.46	11.50	No
		134	5670	10.45	11.50	No
	802.11ac(VHT80)	106	5530	11.18	12.50	No
		122	5610	11.51	12.50	No
5.8 (5.725~5.850)	802.11a	149	5745	16.87	17.50	No
		157	5785	16.93	17.50	No
		165	5825	16.94	17.50	No
	802.11n(HT20)	149	5745	16.77	17.50	No
		157	5785	16.80	17.50	No
		165	5825	16.79	17.50	No
	802.11n(HT40)	151	5755	16.95	17.50	No
		159	5795	16.94	17.50	No
	802.11ac(VHT20)	149	5745	16.80	17.50	No
		157	5785	16.74	17.50	No
		165	5825	16.76	17.50	No
	802.11ac(VHT40)	151	5755	16.96	17.50	No
		159	5795	16.95	17.50	No
	802.11ac(VHT80)	155	5775	16.77	17.50	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.

9.7.10 5G WIFI-Ant.7-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	10.98	12.00	No
		44	5220	10.99	12.00	No
		48	5240	11.19	12.00	No
	802.11n(HT20)	36	5180	10.80	12.00	No
		44	5220	11.08	12.00	No
		48	5240	10.83	12.00	No
	802.11n(HT40)	38	5190	10.79	12.00	Yes
		46	5230	10.76	12.00	No
	802.11ac(VHT20)	36	5180	10.82	12.00	No
		44	5220	11.01	12.00	No
		48	5240	10.81	12.00	No
	802.11ac(VHT40)	38	5190	11.10	12.00	No
		46	5230	10.95	12.00	No
	802.11ac(VHT80)	42	5210	10.09	11.50	No
5.3 (5.25~5.35)	802.11a	52	5260	11.19	12.00	No
		60	5300	10.97	12.00	No
		64	5320	10.82	12.00	No
	802.11n(HT20)	52	5260	10.82	12.00	No
		60	5300	10.90	12.00	No
		64	5320	10.98	12.00	No
	802.11n(HT40)	54	5270	10.89	12.00	No
		62	5310	10.95	12.00	Yes
	802.11ac(VHT20)	52	5260	11.11	12.00	No
		60	5300	11.01	12.00	No
		64	5320	10.81	12.00	No
	802.11ac(VHT40)	54	5270	11.04	12.00	No
		62	5310	11.08	12.00	No
	802.11ac(VHT80)	58	5290	10.08	11.50	No
5.6 (5.47~5.725)	802.11a	100	5500	11.08	12.00	No
		104	5520	10.80	12.00	No
		116	5580	10.94	12.00	No
		136	5680	11.04	12.00	No
		140	5700	11.14	12.00	No
	802.11n(HT20)	100	5500	10.92	12.00	No
		104	5520	11.04	12.00	No
		116	5580	11.19	12.00	No

		136	5680	11.17	12.00	No
		140	5700	11.18	12.00	No
	802.11n(HT40)	102	5510	10.18	11.50	No
		110	5550	10.87	11.50	No
		118	5590	10.85	11.50	No
		126	5630	10.81	11.50	No
		134	5670	10.88	11.50	No
	802.11ac(VHT20)	100	5500	11.04	12.00	No
		104	5520	11.02	12.00	No
		116	5580	10.81	12.00	No
		136	5680	10.98	12.00	No
		140	5700	10.97	12.00	No
	802.11ac(VHT40)	102	5510	10.29	11.50	No
		110	5550	10.83	11.50	No
		118	5590	10.82	11.50	No
		126	5630	11.18	11.50	No
		134	5670	10.80	11.50	No
	802.11ac(VHT80)	106	5530	11.15	12.00	No
		122	5610	11.76	12.00	Yes
5.8 (5.725~5.850)	802.11a	149	5745	11.06	12.00	No
		157	5785	11.02	12.00	No
		165	5825	11.13	12.00	No
	802.11n(HT20)	149	5745	10.85	12.00	No
		157	5785	10.84	12.00	No
		165	5825	10.92	12.00	No
	802.11n(HT40)	151	5755	10.81	12.00	No
		159	5795	11.15	12.00	No
	802.11ac(VHT20)	149	5745	11.15	12.00	No
		157	5785	10.81	12.00	No
		165	5825	10.98	12.00	No
	802.11ac(VHT40)	151	5755	11.11	12.00	No
		159	5795	11.18	12.00	No
	802.11ac(VHT80)	155	5775	10.88	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.

9.8 Bluetooth

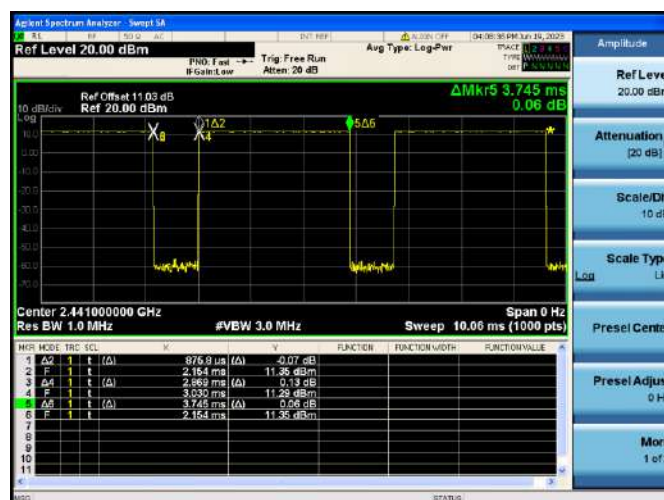
Mode	GFSK				$\pi/4$ -DQPSK			
Channel	0	39	56	78	0	39	56	78
Frequency (MHz)	2402	2441	2458	2480	2402	2441	2458	2480
Average Power (dBm)	10.88	11.71	12.24	11.80	8.46	8.48	8.68	8.76
Tune-Up Limit (dBm)	14.00	14.00	14.00	14.00	10.50	10.50	10.50	10.50
SAR Test Require	YES	YES	YES	YES	NO	NO	NO	NO
Mode	8-DPSK				/			
Channel	0	39	56	78	/	/	/	/
Frequency (MHz)	2402	2441	2458	2480	/	/	/	/
Average Power (dBm)	8.39	8.47	8.73	8.73	/	/	/	/
Tune-Up Limit (dBm)	10.50	10.50	10.50	10.50	/	/	/	/
SAR Test Require	NO	NO	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	
Average Power (dBm)	5.45	6.18	5.83		5.71	6.32	6.13	
Tune-Up Limit (dBm)	7.00	7.00	7.00		7.00	7.00	7.00	
SAR Test Require	NO	NO	NO		NO	NO	NO	

Note 1: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode.

The Bluetooth duty cycle GFSK is 76.61 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle

GFSK



9.9 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, and the receiver will work, the power reduction will applied for SAR compliance.
3. When there is a voice call (including VOIP), the audio is actively routed through the headset or speaker, and the receiver will not work, which indicating the body exposure conditions will trigger the body/Limbs exposure reduced the power.
4. When this device used data mode only, and the receiver will not work too, the reduced the power are same as body exposure.

WWAN Reduced power level table

Reduced State	Receiver state	Transmitting conditions
State2	On (Head scenario)	WWAN Only
State4	On (Head scenario)	WWAN + WLAN 2.4G & WWAN + WLAN 5G + BT
State1	Off (Body scenario)	WWAN Only
State3	Off (Body scenario)	WWAN + WLAN 2.4G & WWAN + WLAN 5G + BT

Mode	Antenna	WWAN Antenna				
		Full Power	Head		Body	
			Receiver on		Receiver off	
			State2	State4	State1	State3
GSM 850	Ant.0	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
GPRS850 2 Tx Slots	Ant.0	31.00	31.00	31.00	31.00	31.00
GPRS850 3 Tx Slots	Ant.0	29.20	29.20	29.20	29.20	29.20
GPRS850 4 Tx Slots	Ant.0	28.00	28.00	28.00	28.00	28.00
EGPRS850 1 Tx Slot	Ant.0	28.00	28.00	28.00	28.00	28.00
EGPRS850 2 Tx Slots	Ant.0	25.00	25.00	25.00	25.00	25.00
EGPRS850 3 Tx Slots	Ant.0	23.00	23.00	23.00	23.00	23.00
EGPRS850 4 Tx Slots	Ant.0	22.50	22.50	22.50	22.50	22.50
GSM 850	Ant.1	33.30	30.30	29.80	33.30	33.30
GPRS850 1 Tx Slot	Ant.1	33.50	30.50	30.00	33.50	33.50
GPRS850 2 Tx Slots	Ant.1	31.00	28.00	27.50	31.00	31.00
GPRS850 3 Tx Slots	Ant.1	29.20	26.20	25.70	29.20	29.20
GPRS850 4 Tx Slots	Ant.1	28.00	25.00	24.50	28.00	28.00
EGPRS850 1 Tx Slot	Ant.1	28.00	25.00	24.50	28.00	28.00
EGPRS850 2 Tx Slots	Ant.1	25.00	22.00	21.50	25.00	25.00
EGPRS850 3 Tx Slots	Ant.1	23.00	20.00	19.50	23.00	23.00

EGPRS850 4 Tx Slots	Ant.1	22.50	19.50	19.00	22.50	22.50
GSM 1900	Ant.0	30.50	30.50	30.50	30.50	30.50
GPRS1900 1 Tx Slot	Ant.0	30.50	30.50	30.50	30.50	30.50
GPRS1900 2 Tx Slots	Ant.0	28.00	28.00	28.00	28.00	28.00
GPRS1900 3 Tx Slots	Ant.0	26.20	26.20	26.20	26.20	26.20
GPRS1900 4 Tx Slots	Ant.0	25.00	25.00	25.00	25.00	25.00
EGPRS1900 1 Tx Slot	Ant.0	26.50	26.50	26.50	26.50	26.50
EGPRS1900 2 Tx Slots	Ant.0	24.00	24.00	24.00	24.00	24.00
EGPRS1900 3 Tx Slots	Ant.0	22.10	22.10	22.10	22.10	22.10
EGPRS1900 4 Tx Slots	Ant.0	21.50	21.50	21.50	21.50	21.50
GSM 1900	Ant.1	30.00	27.00	26.50	30.00	29.00
GPRS1900 1 Tx Slot	Ant.1	30.50	27.50	27.00	30.50	29.50
GPRS1900 2 Tx Slots	Ant.1	28.00	25.00	24.50	28.00	27.00
GPRS1900 3 Tx Slots	Ant.1	26.20	23.20	22.70	26.20	25.20
GPRS1900 4 Tx Slots	Ant.1	25.00	22.00	21.50	25.00	24.00
EGPRS1900 1 Tx Slot	Ant.1	26.50	23.50	23.00	26.50	25.50
EGPRS1900 2 Tx Slots	Ant.1	24.00	21.00	20.50	24.00	23.00
EGPRS1900 3 Tx Slots	Ant.1	22.10	19.10	18.60	22.10	21.10
EGPRS1900 4 Tx Slots	Ant.1	21.50	18.50	18.00	21.50	20.50
WCDMA Band2 RMC	Ant.0	23.30	23.30	23.30	22.30	21.80
AMR	Ant.0	24.30	24.30	24.30	23.30	22.80
HSDPA Subtest-1	Ant.0	22.80	22.80	22.80	21.80	21.30
HSDPA Subtest-2	Ant.0	22.80	22.80	22.80	21.80	21.30
HSDPA Subtest-3	Ant.0	22.30	22.30	22.30	21.30	20.80
HSDPA Subtest-4	Ant.0	22.30	22.30	22.30	21.30	20.80
DC-HSDPA Subtest-1	Ant.0	22.80	22.80	22.80	21.80	21.30
DC-HSDPA Subtest-2	Ant.0	22.80	22.80	22.80	21.80	21.30
DC-HSDPA Subtest-3	Ant.0	22.30	22.30	22.30	21.30	20.80
DC-HSDPA Subtest-4	Ant.0	22.30	22.30	22.30	21.30	20.80
HSUPA Subtest-1	Ant.0	21.20	21.20	21.20	20.20	19.70
HSUPA Subtest-2	Ant.0	19.60	19.60	19.60	18.60	18.10
HSUPA Subtest-3	Ant.0	20.70	20.70	20.70	19.70	19.20
HSUPA Subtest-4	Ant.0	20.10	20.10	20.10	19.10	18.60
HSUPA Subtest-5	Ant.0	22.70	22.70	22.70	21.70	21.20
HSPA+	Ant.0	22.80	22.80	22.80	21.80	21.30
WCDMA Band2 RMC	Ant.1	23.80	18.80	18.30	21.30	20.80
AMR	Ant.1	23.80	18.30	17.80	20.80	20.30
HSDPA Subtest-1	Ant.1	22.30	17.80	17.30	20.30	19.80
HSDPA Subtest-2	Ant.1	22.30	17.80	17.30	20.30	19.80
HSDPA Subtest-3	Ant.1	21.80	17.30	16.80	19.80	19.30
HSDPA Subtest-4	Ant.1	21.80	17.30	16.80	19.80	19.30
DC-HSDPA Subtest-1	Ant.1	22.30	17.80	17.30	20.30	19.80
DC-HSDPA Subtest-2	Ant.1	22.30	17.80	17.30	20.30	19.80

DC-HSDPA Subtest-3	Ant.1	21.80	17.30	16.80	19.80	19.30
DC-HSDPA Subtest-4	Ant.1	21.80	17.30	16.80	19.80	19.30
HSUPA Subtest-1	Ant.1	20.70	15.80	15.30	18.30	17.80
HSUPA Subtest-2	Ant.1	19.10	14.80	14.30	17.30	16.80
HSUPA Subtest-3	Ant.1	20.20	15.80	15.30	18.30	17.80
HSUPA Subtest-4	Ant.1	19.60	14.80	14.30	17.30	16.80
HSUPA Subtest-5	Ant.1	22.20	17.80	17.30	20.30	19.80
HSPA+	Ant.1	22.30	19.80	19.30	22.30	21.80
WCDMA Band4 RMC	Ant.0	23.80	23.80	23.80	21.30	20.80
AMR	Ant.0	24.30	24.30	24.30	21.80	21.30
HSDPA Subtest-1	Ant.0	23.30	23.30	23.30	20.80	20.30
HSDPA Subtest-2	Ant.0	23.30	23.30	23.30	20.80	20.30
HSDPA Subtest-3	Ant.0	22.80	22.80	22.80	20.30	19.80
HSDPA Subtest-4	Ant.0	22.80	22.80	22.80	20.30	19.80
DC-HSDPA Subtest-1	Ant.0	23.30	23.30	23.30	20.80	20.30
DC-HSDPA Subtest-2	Ant.0	23.30	23.30	23.30	20.80	20.30
DC-HSDPA Subtest-3	Ant.0	22.80	22.80	22.80	20.30	19.80
DC-HSDPA Subtest-4	Ant.0	22.80	22.80	22.80	20.30	19.80
HSUPA Subtest-1	Ant.0	20.90	20.90	20.90	18.40	17.90
HSUPA Subtest-2	Ant.0	19.60	19.60	19.60	17.10	16.60
HSUPA Subtest-3	Ant.0	20.40	20.40	20.40	17.90	17.40
HSUPA Subtest-4	Ant.0	19.80	19.80	19.80	17.30	16.80
HSUPA Subtest-5	Ant.0	22.40	22.40	22.40	19.90	19.40
HSPA+	Ant.0	22.80	22.80	22.80	20.30	19.80
WCDMA Band4 RMC	Ant.1	23.80	18.80	18.80	21.80	21.30
AMR	Ant.1	23.80	18.80	18.80	21.80	21.30
HSDPA Subtest-1	Ant.1	22.80	17.80	17.80	20.80	20.30
HSDPA Subtest-2	Ant.1	22.80	17.80	17.80	20.80	20.30
HSDPA Subtest-3	Ant.1	22.30	17.30	17.30	20.30	19.80
HSDPA Subtest-4	Ant.1	22.30	17.30	17.30	20.30	19.80
DC-HSDPA Subtest-1	Ant.1	22.80	17.80	17.80	20.80	20.30
DC-HSDPA Subtest-2	Ant.1	22.80	17.80	17.80	20.80	20.30
DC-HSDPA Subtest-3	Ant.1	22.30	17.30	17.30	20.30	19.80
DC-HSDPA Subtest-4	Ant.1	22.30	17.30	17.30	20.30	19.80
HSUPA Subtest-1	Ant.1	20.40	15.80	15.80	18.80	18.30
HSUPA Subtest-2	Ant.1	19.10	14.80	14.80	17.80	17.30
HSUPA Subtest-3	Ant.1	19.90	15.80	15.80	18.80	18.30
HSUPA Subtest-4	Ant.1	19.30	14.80	14.80	17.80	17.30
HSUPA Subtest-5	Ant.1	21.90	17.80	17.80	20.80	20.30
HSPA+	Ant.1	22.30	19.80	19.80	22.80	22.30
WCDMA Band5 RMC	Ant.0	24.30	24.30	24.30	24.30	24.30
AMR	Ant.0	24.80	24.80	24.80	24.80	24.80
HSDPA Subtest-1	Ant.0	23.60	23.60	23.60	23.60	23.60

HSDPA Subtest-2	Ant.0	23.60	23.60	23.60	23.60	23.60
HSDPA Subtest-3	Ant.0	23.10	23.10	23.10	23.10	23.10
HSDPA Subtest-4	Ant.0	23.10	23.10	23.10	23.10	23.10
DC-HSDPA Subtest-1	Ant.0	23.60	23.60	23.60	23.60	23.60
DC-HSDPA Subtest-2	Ant.0	23.60	23.60	23.60	23.60	23.60
DC-HSDPA Subtest-3	Ant.0	23.10	23.10	23.10	23.10	23.10
DC-HSDPA Subtest-4	Ant.0	23.10	23.10	23.10	23.10	23.10
HSUPA Subtest-1	Ant.0	22.10	22.10	22.10	22.10	22.10
HSUPA Subtest-2	Ant.0	20.60	20.60	20.60	20.60	20.60
HSUPA Subtest-3	Ant.0	21.60	21.60	21.60	21.60	21.60
HSUPA Subtest-4	Ant.0	21.20	21.20	21.20	21.20	21.20
HSUPA Subtest-5	Ant.0	23.60	23.60	23.60	23.60	23.60
HSPA+	Ant.0	23.30	23.30	23.30	23.30	23.30
WCDMA Band5 RMC	Ant.1	24.10	21.60	21.10	24.10	24.10
AMR	Ant.1	24.60	21.30	20.80	24.60	24.60
HSDPA Subtest-1	Ant.1	23.40	20.80	20.30	23.40	23.40
HSDPA Subtest-2	Ant.1	23.40	20.30	19.80	23.40	23.40
HSDPA Subtest-3	Ant.1	22.90	19.80	19.30	22.90	22.90
HSDPA Subtest-4	Ant.1	22.90	19.80	19.30	22.90	22.90
DC-HSDPA Subtest-1	Ant.1	23.40	20.80	20.30	23.40	23.40
DC-HSDPA Subtest-2	Ant.1	23.40	20.30	19.80	23.40	23.40
DC-HSDPA Subtest-3	Ant.1	22.90	19.80	19.30	22.90	22.90
DC-HSDPA Subtest-4	Ant.1	22.90	19.80	19.30	22.90	22.90
HSUPA Subtest-1	Ant.1	21.90	18.80	18.30	21.90	21.90
HSUPA Subtest-2	Ant.1	20.40	17.80	17.30	20.40	20.40
HSUPA Subtest-3	Ant.1	21.40	18.30	17.80	21.40	21.40
HSUPA Subtest-4	Ant.1	21.00	17.80	17.30	21.00	21.00
HSUPA Subtest-5	Ant.1	23.40	20.80	20.30	23.40	23.40
HSPA+	Ant.1	23.10	22.80	22.30	23.10	23.10
LTE Band2	Ant.0	23.30	23.30	23.30	23.30	22.80
LTE Band2	Ant.1	22.80	19.30	18.80	21.30	20.80
LTE Band4	Ant.0	24.30	24.30	24.30	21.80	21.30
LTE Band4	Ant.1	23.80	19.30	19.30	21.80	21.30
LTE Band5	Ant.0	24.80	24.80	24.80	24.80	24.80
LTE Band5	Ant.1	24.60	21.60	21.10	24.60	24.60
LTE Band7	Ant.0	24.30	24.30	24.30	23.80	23.30
LTE Band7	Ant.1	23.80	16.80	16.30	19.80	19.30
LTE Band7	Ant.4	23.30	23.30	23.30	22.80	22.30
LTE Band12	Ant.0	24.60	24.60	24.60	24.60	24.10
LTE Band12	Ant.1	24.40	21.90	21.40	24.40	24.40
LTE Band13	Ant.0	24.40	24.40	24.40	24.40	24.40
LTE Band13	Ant.1	24.10	21.60	21.10	24.10	24.10
LTE Band17	Ant.0	24.60	24.60	24.60	24.60	24.60

LTE Band17	Ant.1	24.40	21.90	21.40	24.40	24.40
LTE Band26	Ant.0	24.80	24.80	24.80	24.80	24.80
LTE Band26	Ant.1	24.60	21.60	21.10	24.60	24.60
LTE Band66	Ant.0	24.30	24.30	24.30	21.80	21.30
LTE Band66	Ant.1	23.80	18.80	18.80	21.80	21.30
LTE Band66	Ant.4	23.30	23.30	23.30	23.30	23.30
LTE Band38	Ant.0	24.30	24.30	24.30	24.30	24.30
LTE Band38	Ant.1	23.80	19.80	19.30	22.80	22.30
LTE Band38	Ant.4	23.30	23.30	23.30	23.30	23.30
LTE Band41(PC2)	Ant.0	25.80	25.80	25.80	25.80	25.80
LTE Band41(PC2)	Ant.1	25.30	21.30	20.80	24.80	24.30
LTE Band41(PC2)	Ant.4	24.80	24.80	24.80	24.80	24.80
NR Band5	Ant.0	24.70	24.70	24.70	24.70	24.70
NR Band5	Ant.1	24.50	22.00	21.50	24.50	24.50
NR Band7	Ant.0	24.70	24.70	24.70	24.70	24.70
NR Band7	Ant.1	24.20	17.20	16.70	20.20	19.70
NR Band7	Ant.4	23.70	23.70	23.70	23.7	23.7
NR Band38	Ant.0	24.70	24.70	24.70	24.70	24.7
NR Band38	Ant.1	24.20	17.20	16.70	21.20	20.7
NR Band38	Ant.4	23.70	23.70	23.70	23.20	22.7
NR Band41(PC2)	Ant.0	26.20	26.20	26.20	26.2	26.2
NR Band41(PC2)	Ant.1	25.70	17.70	17.20	22.20	21.70
NR Band41(PC2)	Ant.4	24.70	24.70	24.70	24.2	23.2
NR Band66	Ant.0	24.70	24.70	24.70	22.2	21.7
NR Band66	Ant.1	24.20	19.70	19.20	23.2	22.7
NR Band66	Ant.4	23.70	23.70	23.70	23.70	23.70

WWAN Reduced power level table

Reduced	Receiver state	Transmitting
State		conditions
State2	On (Head scenario)	WWAN Only
State4	On (Head scenario)	WWAN + WLAN 2.4G & WWAN + WLAN 5G + BT
State1	Off (Body scenario)	WWAN Only
State3	Off (Body scenario)	WWAN + WLAN 2.4G & WWAN + WLAN 5G + BT

Mode	Band	Antenna	ENDC Antenna				
			Full Power	Head		Body	
				Receiver on		Receiver off	
				State2	State4	State1	State3
DC_7A_n5A	N5	Ant.0	24.20	24.20	24.20	24.20	24.20
	N5	Ant.1	24.00	18.50	18.00	24.00	24.00
	LTE Band7	Ant.0	23.30	22.80	22.80	21.80	21.30
	LTE Band7	Ant.1	22.80	12.80	12.30	15.80	15.30
	LTE Band7	Ant.4	22.30	20.30	19.80	19.80	19.30
DC_66A_n5A	N5	Ant.0	24.20	24.20	24.20	24.20	24.20
	N5	Ant.1	24.00	18.50	18.00	24.00	24.00
	LTE Band66	Ant.0	23.30	23.30	23.30	17.80	17.30
	LTE Band66	Ant.1	22.80	15.10	14.30	18.80	18.30
	LTE Band66	Ant.4	22.30	22.30	22.30	22.30	22.30
DC_2A_n7A	N7	Ant.0	24.20	24.20	24.20	22.70	22.20
	N7	Ant.1	23.70	13.70	13.20	16.70	16.20
	N7	Ant.4	23.20	22.70	22.20	20.70	20.20
	LTE Band2	Ant.0	23.30	23.30	23.30	23.30	23.30
	LTE Band2	Ant.1	22.80	16.30	15.80	19.30	18.80
DC_5A_n7A	N7	Ant.0	24.20	24.20	24.20	22.70	22.20
	N7	Ant.1	23.70	13.70	13.20	16.70	16.20
	N7	Ant.4	23.20	22.70	22.20	20.70	20.20
	LTE Band5	Ant.0	24.60	24.60	24.60	24.60	24.60
	LTE Band5	Ant.1	24.40	18.40	17.90	24.40	24.40
DC_66A_n7A	N7	Ant.0	24.20	24.20	24.20	22.70	22.20
	N7	Ant.1	23.70	13.70	13.20	16.70	16.20
	N7	Ant.4	23.20	22.70	22.20	20.70	20.20
	LTE Band66	Ant.0	23.30	23.30	23.30	17.80	17.30
	LTE Band66	Ant.1	22.80	15.10	14.30	18.80	18.30
	LTE Band66	Ant.4	22.30	22.30	22.30	22.30	22.30
DC_26A_n41A	N41	Ant.0	24.20	24.20	24.20	22.70	22.20

	N41	Ant.1	23.70	12.70	12.20	17.20	16.70
	N41	Ant.4	23.20	20.20	20.20	19.70	19.20
	LTE Band26	Ant.0	24.60	24.60	24.60	24.60	24.60
	LTE Band26	Ant.1	24.40	18.40	17.90	24.40	24.40
DC_66A_n41A	N41	Ant.0	24.20	24.20	24.20	22.70	22.20
	N41	Ant.1	23.70	12.70	12.20	17.20	16.70
	N41	Ant.4	23.20	20.20	20.20	19.70	19.20
	LTE Band66	Ant.0	23.30	23.30	23.30	17.80	17.30
	LTE Band66	Ant.1	22.80	15.10	14.30	18.80	18.30
	LTE Band66	Ant.4	22.30	22.30	22.30	22.30	22.30
DC_2A_n66A	N66	Ant.0	24.20	24.20	24.20	18.70	18.20
	N66	Ant.1	23.70	16.20	15.70	19.70	19.20
	N66	Ant.4	23.20	23.20	23.20	23.20	23.20
	LTE Band2	Ant.0	23.30	23.30	23.30	23.30	23.30
	LTE Band2	Ant.1	22.80	16.30	15.80	19.30	18.80
DC_5A_n66A	N66	Ant.0	24.20	24.20	24.20	18.70	18.20
	N66	Ant.1	23.70	16.20	15.70	19.70	19.20
	N66	Ant.4	23.20	23.20	23.20	23.20	23.20
	LTE Band5	Ant.0	24.60	24.60	24.60	24.60	24.60
	LTE Band5	Ant.1	24.40	18.40	17.90	24.40	24.40
DC_7A_n66A	N66	Ant.0	24.20	24.20	24.20	18.70	18.20
	N66	Ant.1	23.70	16.20	15.70	19.70	19.20
	N66	Ant.4	23.20	23.20	23.20	23.20	23.20
	LTE Band7	Ant.0	23.30	22.80	22.80	21.80	21.30
	LTE Band7	Ant.1	22.80	12.80	12.30	15.80	15.30
	LTE Band7	Ant.4	22.30	20.30	19.80	19.80	19.30
DC_12A_n66A	N66	Ant.0	24.20	24.20	24.20	18.70	18.20
	N66	Ant.1	23.70	16.20	15.70	19.70	19.20
	N66	Ant.4	23.20	23.20	23.20	23.20	23.20
	LTE Band12	Ant.0	24.40	24.40	24.40	24.40	24.40
	LTE Band12	Ant.1	24.20	18.70	18.20	24.20	24.20

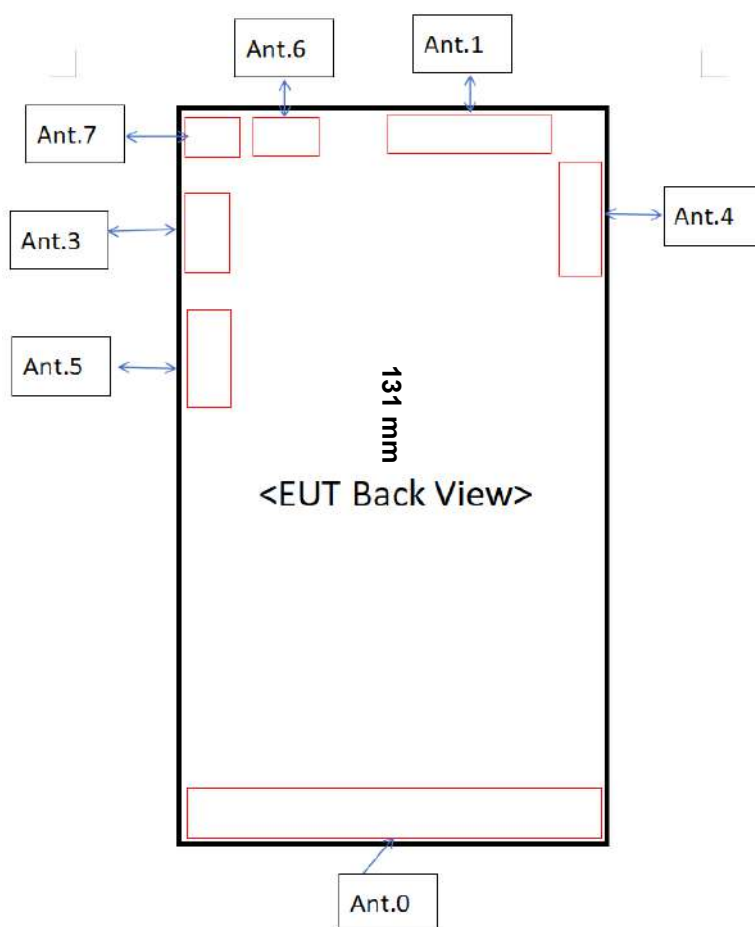
WLAN&BT Reduced power level table

Reduced State	Receiver state	Transmitting conditions
Level1	On (Head scenario)	WLAN 2.4G Only WLAN 5G Only WLAN 5G+BT
Level2	On (Head scenario)	WWAN+WLAN2.4G WWAN+WLAN5G+BT
Level3	Off (Body scenario)	WLAN 2.4G Only WLAN 5G Only WLAN 5G+BT
Level4	Off (Body scenario)	WWAN+WLAN2.4G WWAN+WLAN5G+BT

Mode	WLAN Antenna Chain0				
	Full Power	Head		Body	
		Receiver on		Receiver off	
		Level1	Level2	Level3	Level4
2.4G WLAN 802.11b	14.50	14.50	11.00	14.50	13.50
2.4G WLAN 802.11g	17.00	16.50	11.00	17.00	13.50
2.4G WLAN 802.11n20	17.00	16.50	11.00	17.00	13.50
2.4G WLAN 802.11n40	16.50	16.50	11.00	16.50	13.50
2.4G WLAN 802.11ac20	17.00	16.50	11.00	17.00	13.50
2.4G WLAN 802.11ac40	16.50	16.50	11.00	16.50	13.50
5.2G WLAN 802.11a	18.00	15.50	13.00	17.50	12.00
5.2G WLAN 802.11n20	18.00	15.50	13.00	17.50	12.00
5.2G WLAN 802.11n40	18.00	15.50	13.00	17.50	12.00
5.2G WLAN 802.11ac20	18.00	15.50	13.00	17.50	12.00
5.2G WLAN 802.11ac40	18.00	15.50	13.00	17.50	12.00
5.2G WLAN 802.11ac80	11.50	11.50	11.50	11.50	11.50
5.3G WLAN 802.11a	18.00	15.50	13.00	17.50	12.00
5.3G WLAN 802.11n20	18.00	15.50	13.00	17.50	12.00
5.3G WLAN 802.11n40	18.00	15.50	13.00	17.50	12.00
5.3G WLAN 802.11ac20	18.00	15.50	13.00	17.50	12.00
5.3G WLAN 802.11ac40	18.00	15.50	13.00	17.50	12.00
5.3G WLAN 802.11ac80	11.50	11.50	11.50	11.50	11.50
5.6G WLAN 802.11a	15.50	15.50	13.00	15.50	12.00
5.6G WLAN 802.11n20	13.50	13.50	13.00	13.50	12.00
5.6G WLAN 802.11n40	11.50	11.50	11.50	11.50	11.50
5.6G WLAN 802.11ac20	14.50	14.50	13.00	14.50	12.00
5.6G WLAN 802.11ac40	11.50	11.50	11.50	11.50	11.50
5.6G WLAN 802.11ac80	12.50	12.50	12.50	12.50	12.00
5.8G WLAN 802.11a	17.50	15.50	13.00	17.50	12.00

5.8G WLAN 802.11n20	17.50	15.50	13.00	17.50	12.00
5.8G WLAN 802.11n40	17.50	15.50	13.00	17.50	12.00
5.8G WLAN 802.11ac20	17.50	15.50	13.00	17.50	12.00
5.8G WLAN 802.11ac40	17.50	15.50	13.00	17.50	12.00
5.8G WLAN 802.11ac80	17.50	15.50	13.00	17.50	12.00
Bluetooth	17.50	15.50	13.00	17.50	12.00

10 TEST EXCLUSION CONSIDERATION



Antenna	Support Bands
Ant 0	GSM850/1900, WCDMA 2/4/5, LTE B2/4/5/7/12/13/17/26/38/41/66, SA n5/7/38/41/66 NSA n5/7/38/41/66 NSA LTE B2/4/5/7/12/41/66
Ant 1	GSM850/1900, WCDMA 2/4/5, LTE B2/4/5/7/12/13/17/26/38/41/66, SA n5/7/38/41/66 NSA n5/7/38/41/66 NSA LTE B2/4/5/7/12/41/66
Ant 3	/
Ant 4	LTE B7/38/41/66, SA n7/38/41/66 NSA n7/41/66 NSA LTE B7/66

Ant 5	/
Ant 6	/
Ant 7	WIFI2.4G/5G; Bluetooth

10.1 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 P_{th} (mW), this Device SAR test configurations consider as following :

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.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.

11 TEST RESULT

11.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State2	DATA	Left Cheek	0	128	824.2	0.03	0.399	27.99	28.00	1.002	0.400	/
	State2		Left Tilt	0	128	824.2	-0.02	0.383	27.99	28.00	1.002	0.384	/
	State2		Right Cheek	0	128	824.2	-0.07	0.771	27.99	28.00	1.002	0.773	1#
	State2		Right Tilt	0	128	824.2	-0.06	0.399	27.99	28.00	1.002	0.400	/
	State4	DATA	Left Cheek	0	128	824.2	-0.05	0.375	27.48	27.50	1.005	0.377	/
	State4		Left Tilt	0	128	824.2	0.16	0.332	27.48	27.50	1.005	0.334	/
	State4		Right Cheek	0	128	824.2	-0.06	0.632	27.48	27.50	1.005	0.635	/
	State4		Right Tilt	0	128	824.2	-0.11	0.341	27.48	27.50	1.005	0.343	/
Ant.0	State2&4	DATA	Left Cheek	0	251	848.8	0.03	0.187	30.99	31.00	1.002	0.187	/
	State2&4		Left Tilt	0	251	848.8	-0.09	0.095	30.99	31.00	1.002	0.095	/
	State2&4		Right Cheek	0	251	848.8	-0.19	0.154	30.99	31.00	1.002	0.154	/
	State2&4		Right Tilt	0	251	848.8	0.09	0.079	30.99	31.00	1.002	0.079	/
Body-worn													
Ant.1	State1&3	DATA	Front Side	15	190	836.6	0.17	0.165	30.98	31.00	1.005	0.166	/
	State1&3	2slots	Back Side	15	190	836.6	-0.03	0.215	30.98	31.00	1.005	0.216	2#
Ant.0	State1&3	DATA	Front Side	15	251	848.8	0.17	0.150	30.99	31.00	1.002	0.150	/
	State1&3	2slots	Back Side	15	251	848.8	-0.17	0.187	30.99	31.00	1.002	0.187	/
Hotspot													
Ant.1	State3	DATA	Front Side	10	190	836.6	0.12	0.260	30.98	31.00	1.005	0.261	/
	State3		Back Side	10	190	836.6	-0.07	0.452	30.98	31.00	1.005	0.454	3#
	State3		Right Edge	10	190	836.6	0.08	0.123	30.98	31.00	1.005	0.124	/
	State3		Top Edge	10	190	836.6	0.18	0.302	30.98	31.00	1.005	0.304	/
Ant.0	State3	DATA	Front Side	10	251	848.8	0.05	0.191	30.99	31.00	1.002	0.191	/
	State3		Back Side	10	251	848.8	-0.14	0.381	30.99	31.00	1.002	0.382	/
	State3		Left Edge	10	251	848.8	0.07	0.119	30.99	31.00	1.002	0.119	/
	State3		Right Edge	10	251	848.8	0.01	0.132	30.99	31.00	1.002	0.132	/
	State3		Bottom Edge	10	251	848.8	0.07	0.266	30.99	31.00	1.002	0.267	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State2	DATA 2Slots	Left Cheek	0	661	1880	-0.16	0.513	24.97	25.00	1.007	0.517	/
	State2		Left Tilt	0	661	1880	-0.01	0.622	24.97	25.00	1.007	0.626	/
	State2		Right Cheek	0	661	1880	-0.15	0.911	24.97	25.00	1.007	0.917	/
	State2		Right Tilt	0	661	1880	-0.06	1.020	24.97	25.00	1.007	1.027	/
	State2		Right Tilt	0	810	1909.8	-0.06	1.090	24.93	25.00	1.016	1.107	4#
	State2		Right Tilt	0	512	1850.2	0.14	0.988	24.84	25.00	1.038	1.026	/
	State4	DATA 2Slots	Left Cheek	0	661	1880	0.09	0.154	24.48	24.50	1.005	0.155	/
	State4		Left Tilt	0	661	1880	0.11	0.188	24.48	24.50	1.005	0.189	/
	State4		Right Cheek	0	661	1880	0.06	0.266	24.48	24.50	1.005	0.267	/
	State4		Right Tilt	0	661	1880	0.05	0.315	24.48	24.50	1.005	0.317	/
Ant.0	State2&4	DATA 2slots	Left Cheek	0	661	1880	-0.17	0.101	27.99	28.00	1.002	0.101	/
	State2&4		Left Tilt	0	661	1880	-0.17	0.047	27.99	28.00	1.002	0.047	/
	State2&4		Right Cheek	0	661	1880	-0.02	0.078	27.99	28.00	1.002	0.078	/
	State2&4		Right Tilt	0	661	1880	-0.15	0.064	27.99	28.00	1.002	0.064	/
Body-worn													
Ant.1	State1	DATA	Front Side	15	661	1850.2	-0.05	0.141	27.80	28.00	1.047	0.148	/
	State1	2slots	Back Side	15	661	1850.2	0.05	0.239	27.80	28.00	1.047	0.250	5#
Ant.1	State3	DATA	Front Side	15	661	1880	-0.08	0.112	26.97	27.00	1.007	0.113	/
	State3	2Slots	Back Side	15	661	1880	-0.09	0.158	26.97	27.00	1.007	0.159	/
Ant.0	State1&3	DATA	Front Side	15	661	1880	0.09	0.150	27.99	28.00	1.002	0.150	/
	State1&3	2Slots	Back Side	15	661	1880	0.17	0.187	27.99	28.00	1.002	0.187	/
Hotspot													
Ant.1	State3	DATA 2Slots	Front Side	10	661	1880	0.01	0.273	26.97	27.00	1.007	0.275	/
	State3		Back Side	10	661	1880	0.15	0.315	26.97	27.00	1.007	0.317	/
	State3		Right Edge	10	661	1880	-0.18	0.096	26.97	27.00	1.007	0.097	/
	State3		Top Edge	10	661	1880	0.06	0.537	26.97	27.00	1.007	0.541	/
Ant.0	State3	DATA 2slots	Front Side	10	661	1880	-0.16	0.241	27.99	28.00	1.002	0.241	/
	State3		Back Side	10	661	1880	0.02	0.455	27.99	28.00	1.002	0.456	/
	State3		Left Edge	10	661	1880	0.13	0.174	27.99	28.00	1.002	0.174	/
	State3		Right Edge	10	661	1880	0.03	0.074	27.99	28.00	1.002	0.074	/
	State3		Bottom Edge	10	661	1880	-0.02	0.585	27.99	28.00	1.002	0.586	6#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State2	RMC	Left Cheek	0	9400	1880	-0.13	0.412	18.09	18.80	1.178	0.485	/
	State2		Left Tilt	0	9400	1880	0.09	0.513	18.09	18.80	1.178	0.604	/
	State2		Right Cheek	0	9400	1880	0.19	0.688	18.09	18.80	1.178	0.810	/
	State2		Right Tilt	0	9400	1880	0.02	0.795	18.09	18.80	1.178	0.937	/
	State2		Right Tilt	0	9262	1852.4	-0.12	0.807	17.98	18.80	1.208	0.975	7#
	State2		Right Tilt	0	9538	1907.6	-0.13	0.775	17.86	18.80	1.242	0.963	/
	State4	RMC	Left Cheek	0	9400	1880	0.05	0.355	17.73	17.80	1.016	0.361	/
	State4		Left Tilt	0	9400	1880	-0.17	0.443	17.73	17.80	1.016	0.450	/
	State4		Right Cheek	0	9400	1880	0.03	0.602	17.73	17.80	1.016	0.612	/
	State4		Right Tilt	0	9400	1880	0.11	0.695	17.73	17.80	1.016	0.706	/
Ant.0	State2&4	RMC	Left Cheek	0	9400	1880	-0.09	0.132	23.63	24.30	1.167	0.154	/
	State2&4		Left Tilt	0	9400	1880	-0.17	0.079	23.63	24.30	1.167	0.092	/
	State2&4		Right Cheek	0	9400	1880	-0.14	0.109	23.63	24.30	1.167	0.127	/
	State2&4		Right Tilt	0	9400	1880	-0.05	0.092	23.63	24.30	1.167	0.107	/
Body-worn													
Ant.1	State1	RMC	Front Side	15	9262	1852.4	0.07	0.119	20.62	21.30	1.169	0.139	/
	State1		Back Side	15	9262	1852.4	0.09	0.133	20.62	21.30	1.169	0.155	/
	State3	RMC	Front Side	15	9262	1852.4	0.14	0.095	20.13	21.30	1.309	0.124	/
	State3		Back Side	15	9262	1852.4	0.08	0.106	20.13	21.30	1.309	0.139	/
Ant.0	State1	RMC	Front Side	15	9262	1852.4	0.08	0.164	22.70	23.30	1.148	0.188	/
	State1		Back Side	15	9400	1880	-0.12	0.288	22.70	23.30	1.148	0.331	8#
	State3	RMC	Front Side	15	9400	1880	0.17	0.135	22.24	22.80	1.138	0.154	/
	State3		Back Side	15	9400	1880	-0.19	0.247	22.24	22.80	1.138	0.281	/
Hotspot													
Ant.1	State3	RMC	Front Side	10	9262	1852.4	0.00	0.223	20.13	20.30	1.040	0.232	/
	State3		Back Side	10	9262	1852.4	0.00	0.249	20.13	20.30	1.040	0.259	/
	State3		Right Edge	10	9262	1852.4	0.08	0.056	20.13	20.30	1.040	0.058	/
	State3		Top Edge	10	9262	1852.4	-0.18	0.474	20.13	20.30	1.040	0.493	/
Ant.0	State3	RMC	Front Side	10	9400	1880	0.13	0.253	22.24	22.80	1.138	0.288	/
	State3		Back Side	10	9400	1880	-0.10	0.446	22.24	22.80	1.138	0.508	/
	State3		Left Edge	10	9400	1880	-0.11	0.182	22.24	22.80	1.138	0.207	/
	State3		Right Edge	10	9400	1880	0.01	0.064	22.24	22.80	1.138	0.073	/
	State3		Bottom Edge	10	9400	1880	-0.05	0.615	22.24	22.80	1.138	0.700	9#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State2&4	RMC	Left Cheek	0	1312	1712.4	-0.15	0.385	17.94	18.80	1.219	0.469	/
	State2&4		Left Tilt	0	1312	1712.4	-0.10	0.453	17.94	18.80	1.219	0.552	/
	State2&4		Right Cheek	0	1312	1712.4	-0.19	0.616	17.94	18.80	1.219	0.751	/
	State2&4		Right Tilt	0	1312	1712.4	0.01	0.695	17.94	18.80	1.219	0.847	/
	State2&4		Right Tilt	0	1412	1732.4	0.13	0.677	17.90	18.80	1.230	0.833	/
	State2&4		Right Tilt	0	1513	1752.6	-0.16	0.723	17.84	18.80	1.247	0.902	10#
Ant.0	State2&4	RMC	Left Cheek	0	1312	1712.4	0.12	0.134	23.23	24.30	1.279	0.171	/
	State2&4		Left Tilt	0	1312	1712.4	-0.06	0.080	23.23	24.30	1.279	0.102	/
	State2&4		Right Cheek	0	1312	1712.4	0.18	0.093	23.23	24.30	1.279	0.119	/
	State2&4		Right Tilt	0	1312	1712.4	0.11	0.074	23.23	24.30	1.279	0.095	/
Body-worn													
Ant.1	State1	RMC	Front Side	15	1312	1712.4	-0.11	0.124	20.84	21.80	1.247	0.155	/
	State1		Back Side	15	1312	1712.4	0.11	0.136	20.84	21.80	1.247	0.170	/
	State3	RMC	Front Side	15	1312	1712.4	-0.19	0.106	20.36	21.30	1.242	0.132	/
	State3		Back Side	15	1312	1712.4	-0.04	0.118	20.36	21.30	1.242	0.147	/
Ant.0	State1	RMC	Front Side	15	1312	1712.4	-0.11	0.144	20.72	21.80	1.282	0.185	/
	State1		Back Side	15	1312	1712.4	-0.18	0.250	20.72	21.80	1.282	0.321	11#
	State3	RMC	Front Side	15	1312	1712.4	0.14	0.125	20.22	21.30	1.282	0.160	/
	State3		Back Side	15	1312	1712.4	-0.06	0.223	20.22	21.30	1.282	0.286	/
Hotspot													
Ant.1	State3	RMC	Front Side	10	1312	1712.4	0.09	0.227	20.36	21.30	1.242	0.282	/
	State3		Back Side	10	1312	1712.4	0.10	0.232	20.36	21.30	1.242	0.288	/
	State3		Right Edge	10	1312	1712.4	-0.07	0.050	20.36	21.30	1.242	0.062	/
	State3		Top Edge	10	1312	1712.4	-0.07	0.450	20.36	21.30	1.242	0.559	/
Ant.0	State3	RMC	Front Side	10	1312	1712.4	-0.02	0.208	20.22	21.30	1.282	0.267	/
	State3		Back Side	10	1312	1712.4	0.17	0.363	20.22	21.30	1.282	0.465	/
	State3		Left Edge	10	1312	1712.4	0.19	0.105	20.22	21.30	1.282	0.135	/
	State3		Right Edge	10	1312	1712.4	0.03	0.048	20.22	21.30	1.282	0.062	/
	State3		Bottom Edge	10	1312	1712.4	0.07	0.582	20.22	21.30	1.282	0.746	12#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.0	State3	RMC	Bottom Edge	0	1312	1712.4	0.06	1.310	20.22	21.30	1.282	1.679	13#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State2	RMC	Left Cheek	0	4132	826.4	-0.12	0.355	20.85	21.60	1.189	0.422	/
	State2		Left Tilt	0	4132	826.4	-0.12	0.316	20.85	21.60	1.189	0.376	/
	State2		Right Cheek	0	4132	826.4	-0.14	0.618	20.85	21.60	1.189	0.735	14#
	State2		Right Tilt	0	4132	826.4	-0.18	0.454	20.85	21.60	1.189	0.540	/
	State4	RMC	Left Cheek	0	4132	826.4	-0.07	0.308	20.34	21.10	1.191	0.367	/
	State4		Left Tilt	0	4132	826.4	-0.08	0.266	20.34	21.10	1.191	0.317	/
	State4		Right Cheek	0	4132	826.4	0.04	0.563	20.34	21.10	1.191	0.671	/
	State4		Right Tilt	0	4132	826.4	0.12	0.412	20.34	21.10	1.191	0.491	/
Ant.0	State2&4	RMC	Left Cheek	0	4182	836.4	-0.04	0.232	24.01	24.80	1.199	0.278	/
	State2&4		Left Tilt	0	4182	836.4	-0.19	0.129	24.01	24.80	1.199	0.155	/
	State2&4		Right Cheek	0	4182	836.4	0.18	0.181	24.01	24.80	1.199	0.217	/
	State2&4		Right Tilt	0	4182	836.4	0.00	0.101	24.01	24.80	1.199	0.121	/
Body-worn													
Ant.1	State1&3	RMC	Front Side	15	4132	826.4	-0.10	0.125	23.83	24.60	1.194	0.149	/
	State1&3		Back Side	15	4132	826.4	-0.14	0.156	23.83	24.60	1.194	0.186	/
Ant.0	State1&3	RMC	Front Side	15	4182	836.4	-0.18	0.153	24.01	24.80	1.199	0.183	/
	State1&3		Back Side	15	4182	836.4	-0.01	0.166	24.01	24.80	1.199	0.199	15#
Hotspot													
Ant.1	State3	RMC	Front Side	10	4132	826.4	-0.07	0.185	23.83	24.60	1.194	0.221	/
	State3		Back Side	10	4132	826.4	0.13	0.234	23.83	24.60	1.194	0.279	/
	State3		Right Edge	10	4132	826.4	-0.17	0.093	23.83	24.60	1.194	0.111	/
	State3		Top Edge	10	4132	826.4	0.04	0.215	23.83	24.60	1.194	0.257	/
Ant.0	State3	RMC	Front Side	10	4182	836.4	0.06	0.144	24.01	24.80	1.199	0.173	/
	State3		Back Side	10	4182	836.4	-0.15	0.267	24.01	24.80	1.199	0.320	16#
	State3		Left Edge	10	4182	836.4	0.02	0.098	24.01	24.80	1.199	0.118	/
	State3		Right Edge	10	4182	836.4	0.11	0.182	24.01	24.80	1.199	0.218	/
	State3		Bottom Edge	10	4182	836.4	-0.16	0.216	24.01	24.80	1.199	0.259	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.6LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2	QPSK	Left Cheek	0	19100	1900	1	Mid	-0.04	0.556	18.49	19.30	1.205	0.670	/
	State2		Left Tilt	0	19100	1900	1	Mid	0.10	0.584	18.49	19.30	1.205	0.704	/
	State2		Right Cheek	0	19100	1900	1	Mid	-0.17	0.813	18.49	19.30	1.205	0.980	/
	State2		Right Tilt	0	19100	1900	1	Mid	-0.12	0.903	18.49	19.30	1.205	1.088	/
	State2		Left Cheek	0	19100	1900	50	Mid	-0.08	0.611	18.52	19.30	1.197	0.731	/
	State2		Left Tilt	0	19100	1900	50	Mid	-0.03	0.633	18.52	19.30	1.197	0.758	/
	State2		Right Cheek	0	19100	1900	50	Mid	0.08	0.762	18.52	19.30	1.197	0.912	/
	State2		Right Tilt	0	19100	1900	50	Mid	0.11	0.923	18.52	19.30	1.197	1.105	/
	State2		Right Tilt	0	18700	1860	1	Mid	0.15	0.944	18.45	19.30	1.216	1.148	/
	State2		Right Tilt	0	18900	1880	1	Low	0.11	0.932	18.40	19.30	1.230	1.146	/
	State2		Right Tilt	0	18700	1860	50	Low	0.01	0.986	18.45	19.30	1.216	1.199	17#
	State2		Right Tilt	0	18900	1880	50	Low	0.14	0.923	18.51	19.30	1.199	1.107	/
	State2		Right Tilt	0	18900	1880	100	Low	0.13	0.906	18.43	19.30	1.222	1.107	/
Ant.1	State4	QPSK	Left Cheek	0	19100	1900	1	Mid	0.10	0.421	18.14	18.80	1.164	0.490	/
	State4		Left Tilt	0	19100	1900	1	Mid	-0.02	0.511	18.14	18.80	1.164	0.595	/
	State4		Right Cheek	0	19100	1900	1	Mid	-0.03	0.706	18.14	18.80	1.164	0.822	/
	State4		Right Tilt	0	19100	1900	1	Mid	-0.10	0.756	18.14	18.80	1.164	0.880	/
	State4		Left Cheek	0	19100	1900	50	Mid	-0.04	0.523	18.12	18.80	1.169	0.611	/
	State4		Left Tilt	0	19100	1900	50	Mid	-0.12	0.544	18.12	18.80	1.169	0.636	/
	State4		Right Cheek	0	19100	1900	50	Mid	0.00	0.634	18.12	18.80	1.169	0.741	/
	State4		Right Tilt	0	19100	1900	50	Mid	0.03	0.811	18.12	18.80	1.169	0.948	/
	State4		Right Tilt	0	18700	1860	1	Low	-0.03	0.821	18.07	18.80	1.183	0.971	/
	State4		Right Tilt	0	18900	1880	1	High	-0.05	0.806	18.08	18.80	1.180	0.951	/
	State4		Right Tilt	0	18700	1860	50	Mid	-0.12	0.865	18.08	18.80	1.180	1.021	/
	State4		Right Tilt	0	18900	1880	50	Mid	0.05	0.831	18.11	18.80	1.172	0.974	/
	State4		Right Tilt	0	19100	1900	100	Low	0.09	0.811	18.05	18.80	1.189	0.964	/
Ant.1 (ENDC)	State2	QPSK	Left Cheek	0	19100	1900	1	High	-0.07	0.221	16.22	16.30	1.019	0.225	/
	State2		Left Tilt	0	19100	1900	1	High	0.04	0.295	16.22	16.30	1.019	0.301	/
	State2		Right Cheek	0	19100	1900	1	High	0.06	0.388	16.22	16.30	1.019	0.395	/
	State2		Right Tilt	0	19100	1900	1	High	-0.09	0.416	16.22	16.30	1.019	0.424	/
	State2		Left Cheek	0	19100	1900	50	Mid	0.18	0.287	16.07	16.30	1.054	0.302	/
	State2		Left Tilt	0	19100	1900	50	Mid	0.01	0.311	16.07	16.30	1.054	0.328	/
	State2		Right Cheek	0	19100	1900	50	Mid	-0.01	0.342	16.07	16.30	1.054	0.360	/
	State2		Right Tilt	0	19100	1900	50	Mid	-0.05	0.463	16.07	16.30	1.054	0.488	/
Ant.1 (ENDC)	State4	QPSK	Left Cheek	0	19100	1900	1	Low	0.02	0.187	18.56	15.80	0.530	0.099	/
	State4		Left Tilt	0	19100	1900	1	Low	-0.16	0.254	18.56	15.80	0.530	0.135	/

	State4		Right Cheek	0	19100	1900	1	Low	-0.16	0.356	18.56	15.80	0.530	0.189	/
	State4		Right Tilt	0	19100	1900	1	Low	0.14	0.361	18.56	15.80	0.530	0.191	/
	State4		Left Cheek	0	19100	1900	50	Low	-0.12	0.244	18.47	15.80	0.541	0.132	/
	State4		Left Tilt	0	19100	1900	50	Low	-0.08	0.265	18.47	15.80	0.541	0.143	/
	State4		Right Cheek	0	19100	1900	50	Low	0.08	0.312	18.47	15.80	0.541	0.169	/
	State4		Right Tilt	0	19100	1900	50	Low	0.06	0.406	18.47	15.80	0.541	0.220	/
Ant.0	State2&4	QPSK	Left Cheek	0	19100	1900	1	Mid	-0.12	0.089	22.58	23.30	1.180	0.105	/
	State2&4		Left Tilt	0	19100	1900	1	Mid	-0.06	0.053	22.58	23.30	1.180	0.063	/
	State2&4		Right Cheek	0	19100	1900	1	Mid	0.14	0.084	22.58	23.30	1.180	0.099	/
	State2&4		Right Tilt	0	19100	1900	1	Mid	0.02	0.073	22.58	23.30	1.180	0.086	/
	State2&4		Left Cheek	0	19100	1900	50	Low	0.17	0.079	21.59	22.30	1.178	0.093	/
	State2&4		Left Tilt	0	19100	1900	50	Low	0.12	0.046	21.59	22.30	1.178	0.054	/
	State2&4		Right Cheek	0	19100	1900	50	Low	0.03	0.069	21.59	22.30	1.178	0.081	/
	State2&4		Right Tilt	0	19100	1900	50	Low	-0.13	0.056	21.59	22.30	1.178	0.066	/
Ant.0 (ENDC)	State2&4	QPSK	Left Cheek	0	19100	1900	1	Low	-0.12	0.085	22.58	23.30	1.180	0.100	/
	State2&4		Left Tilt	0	19100	1900	1	Low	-0.06	0.051	22.58	23.30	1.180	0.060	/
	State2&4		Right Cheek	0	19100	1900	1	Low	0.14	0.086	22.58	23.30	1.180	0.101	/
	State2&4		Right Tilt	0	19100	1900	1	Low	0.02	0.072	22.58	23.30	1.180	0.085	/
	State2&4		Left Cheek	0	19100	1900	50	High	0.17	0.076	21.67	22.30	1.156	0.088	/
	State2&4		Left Tilt	0	19100	1900	50	High	0.12	0.041	21.67	22.30	1.156	0.047	/
	State2&4		Right Cheek	0	19100	1900	50	High	0.03	0.063	21.67	22.30	1.156	0.073	/
	State2&4		Right Tilt	0	19100	1900	50	High	-0.13	0.053	21.67	22.30	1.156	0.061	/
Body-worn															
Ant.1	State1	QPSK	Front Side	15	19100	1900	1	High	-0.16	0.115	20.43	21.30	1.222	0.141	/
	State1		Back Side	15	19100	1900	1	High	-0.05	0.133	20.43	21.30	1.222	0.163	/
	State1		Front Side	15	19100	1900	50	Mid	-0.18	0.119	20.39	21.30	1.233	0.147	/
	State1		Back Side	15	19100	1900	50	Mid	0.18	0.135	20.39	21.30	1.233	0.166	/
Ant.1	State3	QPSK	Front Side	15	19100	1900	1	Mid	0.04	0.098	20.00	20.80	1.202	0.118	/
	State3		Back Side	15	19100	1900	1	Mid	0.09	0.112	20.00	20.80	1.202	0.135	/
	State3		Front Side	15	19100	1900	50	Low	-0.02	0.112	19.98	20.80	1.208	0.135	/
	State3		Back Side	15	19100	1900	50	Low	0.18	0.116	19.98	20.80	1.208	0.140	/
Ant.1 (ENDC)	State1	QPSK	Front Side	15	19100	1900	1	High	-0.13	0.063	18.90	19.30	1.096	0.069	/
	State1		Back Side	15	19100	1900	1	High	-0.03	0.075	18.90	19.30	1.096	0.082	/
	State1		Front Side	15	19100	1900	50	High	-0.13	0.075	18.90	19.30	1.096	0.082	/
	State1		Back Side	15	19100	1900	50	High	-0.06	0.086	18.90	19.30	1.096	0.094	/
Ant.1 (ENDC)	State3	QPSK	Front Side	15	19100	1900	1	Low	0.07	0.056	18.56	18.80	1.057	0.059	/
	State3		Back Side	15	19100	1900	1	Low	0.11	0.061	18.56	18.80	1.057	0.064	/
	State3		Front Side	15	19100	1900	50	Low	0.13	0.063	18.47	18.80	1.079	0.068	/
	State3		Back Side	15	19100	1900	50	Low	0.00	0.075	18.47	18.80	1.079	0.081	/
Ant.0	State1	QPSK	Front Side	15	19100	1900	1	Mid	0.11	0.137	22.58	23.30	1.180	0.162	/
	State1		Back Side	15	19100	1900	1	Mid	-0.02	0.243	22.58	23.30	1.180	0.287	18#
	State1		Front Side	15	19100	1900	50	Low	0.19	0.113	21.59	22.30	1.178	0.133	/

	State1		Back Side	15	19100	1900	50	Low	-0.08	0.195	21.59	22.30	1.178	0.230	/
Ant.0	State3	QPSK	Front Side	15	19100	1900	1	Mid	-0.13	0.125	22.15	22.80	1.161	0.145	/
	State3		Back Side	15	19100	1900	1	Mid	0.12	0.206	22.15	22.80	1.161	0.239	/
	State3		Front Side	15	19100	1900	50	Low	0.15	0.095	21.67	22.30	1.156	0.110	/
	State3		Back Side	15	19100	1900	50	Low	0.17	0.166	21.67	22.30	1.156	0.192	/
Ant.0 (ENDC)	State1&3	QPSK	Front Side	15	19100	1900	1	Low	0.06	0.122	22.58	23.30	1.180	0.144	/
	State1&3		Back Side	15	19100	1900	1	Low	0.17	0.233	22.58	23.30	1.180	0.275	/
	State1&3		Front Side	15	19100	1900	50	High	-0.14	0.106	21.67	22.30	1.156	0.123	/
	State1&3		Back Side	15	19100	1900	50	High	0.19	0.118	21.67	22.30	1.156	0.136	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	19100	1900	1	Mid	-0.16	0.220	20.00	20.80	1.202	0.264	/
	State3		Back Side	10	19100	1900	1	Mid	-0.19	0.238	20.00	20.80	1.202	0.286	/
	State3		Right Edge	10	19100	1900	1	Mid	-0.10	0.050	20.00	20.80	1.202	0.060	/
	State3		Top Edge	10	19100	1900	1	Mid	-0.09	0.454	20.00	20.80	1.202	0.546	/
	State3		Front Side	10	19100	1900	50	Low	-0.15	0.232	19.98	20.80	1.208	0.280	/
	State3		Back Side	10	19100	1900	50	Low	-0.14	0.250	19.98	20.80	1.208	0.302	/
	State3		Right Edge	10	19100	1900	50	Low	0.06	0.052	19.98	20.80	1.208	0.063	/
	State3		Top Edge	10	19100	1900	50	Low	-0.12	0.459	19.98	20.80	1.208	0.554	/
Ant.1 (ENDC)	State3	QPSK	Front Side	10	19100	1900	1	Low	0.13	0.143	18.56	18.80	1.057	0.151	/
	State3		Back Side	10	19100	1900	1	Low	-0.12	0.162	18.56	18.80	1.057	0.171	/
	State3		Right Edge	10	19100	1900	1	Low	0.03	0.031	18.56	18.80	1.057	0.033	/
	State3		Top Edge	10	19100	1900	1	Low	-0.17	0.277	18.56	18.80	1.057	0.293	/
	State3		Front Side	10	19100	1900	50	Low	0.18	0.132	18.47	18.80	1.079	0.142	/
	State3		Back Side	10	19100	1900	50	Low	-0.15	0.163	18.47	18.80	1.079	0.176	/
	State3		Right Edge	10	19100	1900	50	Low	0.06	0.028	18.47	18.80	1.079	0.030	/
	State3		Top Edge	10	19100	1900	50	Low	0.16	0.281	18.47	18.80	1.079	0.303	/
Ant.0	State3	QPSK	Front Side	10	19100	1900	1	Mid	0.17	0.202	22.15	22.80	1.161	0.235	/
	State3		Back Side	10	19100	1900	1	Mid	-0.07	0.365	22.15	22.80	1.161	0.424	/
	State3		Left Edge	10	19100	1900	1	Mid	-0.07	0.162	22.15	22.80	1.161	0.188	/
	State3		Right Edge	10	19100	1900	1	Mid	0.03	0.064	22.15	22.80	1.161	0.074	
	State3		Bottom Edge	10	19100	1900	1	Mid	-0.03	0.524	22.15	22.80	1.161	0.608	/
	State3		Front Side	10	19100	1900	50	Low	-0.07	0.213	21.67	22.30	1.156	0.246	/
	State3		Back Side	10	19100	1900	50	Low	-0.06	0.332	21.67	22.30	1.156	0.384	/
	State3		Left Edge	10	19100	1900	50	Low	0.01	0.134	21.67	22.30	1.156	0.155	/
	State3		Right Edge	10	19100	1900	50	Low	0.13	0.061	21.67	22.30	1.156	0.071	
	State3		Bottom Edge	10	19100	1900	50	Low	-0.07	0.478	21.67	22.30	1.156	0.553	/
Ant.0 (ENDC)	State3	QPSK	Front Side	10	19100	1900	1	Low	0.00	0.233	22.58	23.30	1.180	0.275	/
	State3		Back Side	10	19100	1900	1	Low	-0.10	0.428	22.58	23.30	1.180	0.505	/
	State3		Left Edge	10	19100	1900	1	Low	-0.13	0.165	22.58	23.30	1.180	0.195	/
	State3		Right Edge	10	19100	1900	1	Low	-0.16	0.075	22.58	23.30	1.180	0.089	
	State3		Bottom Edge	10	19100	1900	1	Low	-0.02	0.598	22.58	23.30	1.180	0.706	19#
	State3		Front Side	10	19100	1900	50	High	0.09	0.232	21.67	22.30	1.156	0.268	/
	State3		Back Side	10	19100	1900	50	High	0.09	0.363	21.67	22.30	1.156	0.420	/

	State3		Left Edge	10	19100	1900	50	High	-0.07	0.145	21.67	22.30	1.156	0.168	/
	State3		Right Edge	10	19100	1900	50	High	0.10	0.072	21.67	22.30	1.156	0.083	
	State3		Bottom Edge	10	19100	1900	50	High	0.15	0.488	21.67	22.30	1.156	0.564	/

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

11.7LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2&4	QPSK	Left Cheek	0	20300	1745	1	Mid	-0.06	0.434	18.88	19.30	1.102	0.478	/
	State2&4		Left Tilt	0	20300	1745	1	Mid	-0.12	0.512	18.88	19.30	1.102	0.564	/
	State2&4		Right Cheek	0	20300	1745	1	Mid	0.14	0.723	18.88	19.30	1.102	0.797	/
	State2&4		Right Tilt	0	20300	1745	1	Mid	0.02	0.775	18.88	19.30	1.102	0.854	/
	State2&4		Left Cheek	0	20300	1745	50	Mid	-0.12	0.422	18.85	19.30	1.109	0.468	/
	State2&4		Left Tilt	0	20300	1745	50	Mid	-0.04	0.571	18.85	19.30	1.109	0.633	/
	State2&4		Right Cheek	0	20300	1745	50	Mid	0.16	0.744	18.85	19.30	1.109	0.825	/
	State2&4		Right Tilt	0	20300	1745	50	Mid	-0.18	0.865	18.85	19.30	1.109	0.959	20#
	State2&4		Right Tilt	0	20050	1720	1	High	0.01	0.811	18.80	19.30	1.122	0.910	/
	State2&4		Right Tilt	0	20175	1732.5	1	Mid	0.19	0.741	18.85	19.30	1.109	0.822	/
	State2&4		Right Tilt	0	20050	1720	50	Low	-0.02	0.734	18.84	19.30	1.112	0.816	/
	State2&4		Right Tilt	0	20175	1732.5	50	Mid	-0.09	0.806	18.78	19.30	1.127	0.908	/
	State2&4		Right Tilt	0	20050	1720	100	Low	0.16	0.706	18.81	19.30	1.119	0.790	/
Ant.0	State2&4	QPSK	Left Cheek	0	20175	1732.5	1	Mid	0.00	0.135	23.53	24.30	1.194	0.161	/
	State2&4		Left Tilt	0	20175	1732.5	1	Mid	-0.10	0.081	23.53	24.30	1.194	0.097	/
	State2&4		Right Cheek	0	20175	1732.5	1	Mid	0.13	0.097	23.53	24.30	1.194	0.116	/
	State2&4		Right Tilt	0	20175	1732.5	1	Mid	-0.03	0.085	23.53	24.30	1.194	0.101	/
	State2&4		Left Cheek	0	20175	1732.5	50	Mid	0.08	0.120	22.55	23.30	1.189	0.143	/
	State2&4		Left Tilt	0	20175	1732.5	50	Mid	-0.01	0.069	22.55	23.30	1.189	0.082	/
	State2&4		Right Cheek	0	20175	1732.5	50	Mid	0.07	0.081	22.55	23.30	1.189	0.096	/
	State2&4		Right Tilt	0	20175	1732.5	50	Mid	0.16	0.067	22.55	23.30	1.189	0.080	/
Body-worn															
Ant.1	State1	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.16	0.122	21.15	21.80	1.161	0.142	/
	State1		Back Side	15	20175	1732.5	1	Mid	0.14	0.131	21.15	21.80	1.161	0.152	/
	State1		Front Side	15	20175	1732.5	50	Mid	-0.13	0.133	21.15	21.80	1.161	0.154	/
	State1		Back Side	15	20175	1732.5	50	Mid	-0.18	0.137	21.15	21.80	1.161	0.159	/
Ant.1	State3	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.09	0.085	20.62	21.30	1.169	0.099	/
	State3		Back Side	15	20175	1732.5	1	Mid	-0.19	0.101	20.62	21.30	1.169	0.118	/
	State3		Front Side	15	20175	1732.5	50	Mid	0.07	0.102	20.63	21.30	1.167	0.119	/
	State3		Back Side	15	20175	1732.5	50	Mid	-0.04	0.114	20.63	21.30	1.167	0.133	/
Ant.0	State1	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.15	0.125	21.08	21.80	1.180	0.148	/
	State1		Back Side	15	20175	1732.5	1	Mid	0.11	0.185	21.08	21.80	1.180	0.218	/
	State1		Front Side	15	20175	1732.5	50	Low	0.18	0.124	21.08	21.80	1.180	0.146	/
	State1		Back Side	15	20175	1732.5	50	Low	-0.01	0.209	21.08	21.80	1.180	0.247	21#
Ant.0	State3	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.11	0.106	20.59	21.30	1.178	0.125	/
	State3		Back Side	15	20175	1732.5	1	Mid	0.01	0.158	20.59	21.30	1.178	0.186	/

	State3		Front Side	15	20175	1732.5	50	Mid	0.18	0.109	20.59	21.30	1.178	0.128	/
	State3		Back Side	15	20175	1732.5	50	Mid	-0.19	0.176	20.59	21.30	1.178	0.207	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	20175	1732.5	1	Mid	-0.13	0.199	20.62	21.30	1.169	0.233	/
	State3		Back Side	10	20175	1732.5	1	Mid	0.13	0.201	20.62	21.30	1.169	0.235	/
	State3		Left Edge	10	20175	1732.5	1	Mid	-0.01	0.046	20.62	21.30	1.169	0.054	/
	State3		Top Edge	10	20175	1732.5	1	Mid	-0.04	0.367	20.62	21.30	1.169	0.429	/
	State3		Front Side	10	20175	1732.5	50	Mid	0.15	0.211	20.63	21.30	1.167	0.246	/
	State3		Back Side	10	20175	1732.5	50	Mid	0.11	0.216	20.63	21.30	1.167	0.252	/
	State3		Left Edge	10	20175	1732.5	50	Mid	0.10	0.046	20.63	21.30	1.167	0.054	/
	State3		Top Edge	10	20175	1732.5	50	Mid	0.11	0.379	20.63	21.30	1.167	0.442	/
Ant.0	State3	QPSK	Front Side	10	20175	1732.5	1	Mid	-0.09	0.175	20.59	21.30	1.178	0.206	/
	State3		Back Side	10	20175	1732.5	1	Mid	0.10	0.316	20.59	21.30	1.178	0.372	/
	State3		Left Edge	10	20175	1732.5	1	Mid	-0.11	0.085	20.59	21.30	1.178	0.100	/
	State3		Right Edge	10	20175	1732.5	1	Mid	-0.08	0.055	20.59	21.30	1.178	0.065	
	State3		Bottom Edge	10	20175	1732.5	1	Mid	0.04	0.511	20.59	21.30	1.178	0.602	/
	State3		Front Side	10	20175	1732.5	50	Mid	0.16	0.213	20.59	21.30	1.178	0.251	/
	State3		Back Side	10	20175	1732.5	50	Mid	-0.17	0.356	20.59	21.30	1.178	0.419	/
	State3		Left Edge	10	20175	1732.5	50	Mid	-0.04	0.115	20.59	21.30	1.178	0.135	/
	State3		Right Edge	10	20175	1732.5	50	Mid	-0.07	0.059	20.59	21.30	1.178	0.070	
	State3		Bottom Edge	10	20175	1732.5	50	Mid	-0.04	0.535	20.59	21.30	1.178	0.630	22#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.0	State3	QPSK	Bottom Edge	0	20175	1732.5	1	Mid	-0.04	1.340	20.59	21.30	1.178	1.579	/
	State3		Bottom Edge	0	20175	1732.5	50	Mid	0.06	1.430	20.59	21.30	1.178	1.685	23#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2	QPSK	Left Cheek	0	20525	836.5	1	Mid	-0.02	0.422	20.68	21.60	1.236	0.522	/
	State2		Left Tilt	0	20525	836.5	1	Mid	-0.09	0.406	20.68	21.60	1.236	0.502	/
	State2		Right Cheek	0	20525	836.5	1	Mid	-0.17	0.621	20.68	21.60	1.236	0.768	24#
	State2		Right Tilt	0	20525	836.5	1	Mid	0.16	0.595	20.68	21.60	1.236	0.735	/
	State2		Left Cheek	0	20525	836.5	25	Low	0.19	0.412	20.70	21.60	1.230	0.507	/
	State2		Left Tilt	0	20525	836.5	25	Low	0.10	0.366	20.70	21.60	1.230	0.450	/
	State2		Right Cheek	0	20525	836.5	25	Low	-0.06	0.565	20.70	21.60	1.230	0.695	/
	State2		Right Tilt	0	20525	836.5	25	Low	0.03	0.553	20.70	21.60	1.230	0.680	/
Ant.1	State4	QPSK	Left Cheek	0	20525	836.5	1	Mid	-0.10	0.365	20.22	21.10	1.225	0.447	/
	State4		Left Tilt	0	20525	836.5	1	Mid	-0.01	0.341	20.22	21.10	1.225	0.418	/
	State4		Right Cheek	0	20525	836.5	1	Mid	-0.19	0.543	20.22	21.10	1.225	0.665	/
	State4		Right Tilt	0	20525	836.5	1	Mid	-0.07	0.539	20.22	21.10	1.225	0.660	/
	State4		Left Cheek	0	20525	836.5	25	Mid	-0.14	0.377	20.20	21.10	1.230	0.464	/
	State4		Left Tilt	0	20525	836.5	25	Mid	0.10	0.334	20.20	21.10	1.230	0.411	/
	State4		Right Cheek	0	20525	836.5	25	Mid	0.12	0.516	20.20	21.10	1.230	0.635	/
	State4		Right Tilt	0	20525	836.5	25	Mid	0.11	0.488	20.20	21.10	1.230	0.600	/
Ant.1 (ENDC)	State2	QPSK	Left Cheek	0	20525	836.5	1	Low	0.14	0.156	17.38	18.40	1.265	0.197	/
	State2		Left Tilt	0	20525	836.5	1	Low	-0.06	0.148	17.38	18.40	1.265	0.187	/
	State2		Right Cheek	0	20525	836.5	1	Low	-0.11	0.232	17.38	18.40	1.265	0.293	/
	State2		Right Tilt	0	20525	836.5	1	Low	-0.06	0.255	17.38	18.40	1.265	0.323	/
	State2		Left Cheek	0	20525	836.5	25	Mid	-0.19	0.171	17.55	18.40	1.216	0.208	/
	State2		Left Tilt	0	20525	836.5	25	Mid	0.11	0.162	17.55	18.40	1.216	0.197	/
	State2		Right Cheek	0	20525	836.5	25	Mid	-0.08	0.244	17.55	18.40	1.216	0.297	/
	State2		Right Tilt	0	20525	836.5	25	Mid	-0.10	0.206	17.55	18.40	1.216	0.250	/
Ant.1 (ENDC)	State4	QPSK	Left Cheek	0	20525	836.5	1	High	-0.07	0.122	16.78	17.90	1.294	0.158	/
	State4		Left Tilt	0	20525	836.5	1	High	0.08	0.125	16.78	17.90	1.294	0.162	/
	State4		Right Cheek	0	20525	836.5	1	High	-0.17	0.189	16.78	17.90	1.294	0.245	/
	State4		Right Tilt	0	20525	836.5	1	High	-0.16	0.213	16.78	17.90	1.294	0.276	/
	State4		Left Cheek	0	20525	836.5	25	Low	0.04	0.147	16.86	17.90	1.271	0.187	/
	State4		Left Tilt	0	20525	836.5	25	Low	0.04	0.132	16.86	17.90	1.271	0.168	/
	State4		Right Cheek	0	20525	836.5	25	Low	-0.10	0.223	16.86	17.90	1.271	0.283	/
	State4		Right Tilt	0	20525	836.5	25	Low	-0.15	0.195	16.86	17.90	1.271	0.248	/
Ant.0	State2&4	QPSK	Left Cheek	0	20525	836.5	1	Mid	0.12	0.244	23.91	24.80	1.227	0.299	/
	State2&4		Left Tilt	0	20525	836.5	1	Mid	0.12	0.138	23.91	24.80	1.227	0.169	/
	State2&4		Right Cheek	0	20525	836.5	1	Mid	-0.03	0.193	23.91	24.80	1.227	0.237	/
	State2&4		Right Tilt	0	20525	836.5	1	Mid	0.06	0.107	23.91	24.80	1.227	0.131	/

	State2&4		Left Cheek	0	20525	836.5	25	High	0.03	0.182	22.88	23.80	1.236	0.225	/
	State2&4		Left Tilt	0	20525	836.5	25	High	0.12	0.100	22.88	23.80	1.236	0.124	/
	State2&4		Right Cheek	0	20525	836.5	25	High	-0.01	0.145	22.88	23.80	1.236	0.179	/
	State2&4		Right Tilt	0	20525	836.5	25	High	0.04	0.077	22.88	23.80	1.236	0.095	/
Ant.0 (ENDC)	State2&4	QPSK	Left Cheek	0	20525	836.5	1	Mid	-0.05	0.223	23.41	24.60	1.315	0.293	/
	State2&4		Left Tilt	0	20525	836.5	1	Mid	-0.05	0.124	23.41	24.60	1.315	0.163	/
	State2&4		Right Cheek	0	20525	836.5	1	Mid	0.12	0.171	23.41	24.60	1.315	0.225	/
	State2&4		Right Tilt	0	20525	836.5	1	Mid	0.05	0.101	23.41	24.60	1.315	0.133	/
	State2&4		Left Cheek	0	20525	836.5	25	Low	0.10	0.165	22.43	23.60	1.309	0.216	/
	State2&4		Left Tilt	0	20525	836.5	25	Low	0.11	0.083	22.43	23.60	1.309	0.109	/
	State2&4		Right Cheek	0	20525	836.5	25	Low	-0.19	0.124	22.43	23.60	1.309	0.162	/
	State2&4		Right Tilt	0	20525	836.5	25	Low	-0.18	0.073	22.43	23.60	1.309	0.096	/
Body-worn															
Ant.1	State1&3	QPSK	Front Side	15	20525	836.5	1	Mid	-0.01	0.136	23.72	24.60	1.225	0.167	/
	State1&3		Back Side	15	20525	836.5	1	Mid	-0.14	0.164	23.72	24.60	1.225	0.201	/
	State1&3		Front Side	15	20525	836.5	25	Mid	0.02	0.098	22.70	23.60	1.230	0.121	/
	State1&3		Back Side	15	20525	836.5	25	Mid	0.19	0.123	22.70	23.60	1.230	0.151	/
Ant.1 (ENDC)	State1&3	QPSK	Front Side	15	20525	836.5	1	Mid	-0.13	0.095	23.25	24.40	1.303	0.124	/
	State1&3		Back Side	15	20525	836.5	1	Mid	0.18	0.122	23.25	24.40	1.303	0.159	/
	State1&3		Front Side	15	20525	836.5	25	High	0.09	0.069	22.39	23.40	1.262	0.087	/
	State1&3		Back Side	15	20525	836.5	25	High	-0.03	0.095	22.39	23.40	1.262	0.120	/
Ant.0	State1&3	QPSK	Front Side	15	20525	836.5	1	Mid	0.01	0.134	23.91	24.80	1.227	0.164	/
	State1&3		Back Side	15	20525	836.5	1	Mid	-0.07	0.183	23.91	24.80	1.227	0.225	25#
	State1&3		Front Side	15	20525	836.5	25	High	-0.18	0.106	22.88	23.80	1.236	0.131	/
	State1&3		Back Side	15	20525	836.5	25	High	-0.07	0.171	22.88	23.80	1.236	0.211	/
Ant.0 (ENDC)	State1&3	QPSK	Front Side	15	20525	836.5	1	Mid	-0.03	0.096	23.41	24.60	1.315	0.126	/
	State1&3		Back Side	15	20525	836.5	1	Mid	-0.03	0.136	23.41	24.60	1.315	0.179	/
	State1&3		Front Side	15	20525	836.5	25	Low	0.19	0.082	22.43	23.60	1.309	0.107	/
	State1&3		Back Side	15	20525	836.5	25	Low	0.03	0.128	22.43	23.60	1.309	0.168	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	20525	836.5	1	Mid	0.09	0.190	23.72	24.60	1.225	0.233	/
	State3		Back Side	10	20525	836.5	1	Mid	-0.18	0.247	23.72	24.60	1.225	0.303	/
	State3		Right Edge	10	20525	836.5	1	Mid	-0.12	0.103	23.72	24.60	1.225	0.126	/
	State3		Top Edge	10	20525	836.5	1	Mid	-0.02	0.223	23.72	24.60	1.225	0.273	/
	State3		Front Side	10	20525	836.5	25	Mid	0.01	0.144	22.70	23.60	1.230	0.177	/
	State3		Back Side	10	20525	836.5	25	Mid	0.01	0.181	22.70	23.60	1.230	0.223	/
	State3		Right Edge	10	20525	836.5	25	Mid	-0.13	0.077	22.70	23.60	1.230	0.095	/
	State3		Top Edge	10	20525	836.5	25	Mid	-0.15	0.164	22.70	23.60	1.230	0.202	/
Ant.1 (ENDC)	State3	QPSK	Front Side	10	20525	836.5	1	Mid	-0.06	0.147	23.25	24.40	1.303	0.192	/
	State3		Back Side	10	20525	836.5	1	Mid	-0.03	0.188	23.25	24.40	1.303	0.245	/
	State3		Right Edge	10	20525	836.5	1	Mid	-0.14	0.075	23.25	24.40	1.303	0.098	/
	State3		Top Edge	10	20525	836.5	1	Mid	0.18	0.165	23.25	24.40	1.303	0.215	/
	State3		Front Side	10	20525	836.5	25	High	0.15	0.106	22.39	23.40	1.262	0.134	/

	State3		Back Side	10	20525	836.5	25	High	0.03	0.134	22.39	23.40	1.262	0.169	/
	State3		Right Edge	10	20525	836.5	25	High	0.11	0.058	22.39	23.40	1.262	0.073	/
	State3		Top Edge	10	20525	836.5	25	High	-0.14	0.123	22.39	23.40	1.262	0.155	/
Ant.0	State3	QPSK	Front Side	10	20525	836.5	1	Mid	0.04	0.145	23.91	24.80	1.227	0.178	/
	State3		Back Side	10	20525	836.5	1	Mid	-0.09	0.267	23.91	24.80	1.227	0.328	26#
	State3		Left Edge	10	20525	836.5	1	Mid	0.01	0.095	23.91	24.80	1.227	0.117	/
	State3		Right Edge	10	20525	836.5	1	Mid	0.12	0.194	23.91	24.80	1.227	0.238	
	State3		Bottom Edge	10	20525	836.5	1	Mid	-0.18	0.212	23.91	24.80	1.227	0.260	/
	State3		Front Side	10	20525	836.5	25	High	-0.19	0.113	22.88	23.80	1.236	0.140	/
	State3		Back Side	10	20525	836.5	25	High	0.11	0.228	22.88	23.80	1.236	0.282	/
	State3		Left Edge	10	20525	836.5	25	High	0.08	0.075	22.88	23.80	1.236	0.093	/
	State3		Right Edge	10	20525	836.5	25	High	-0.05	0.147	22.88	23.80	1.236	0.182	
	State3		Bottom Edge	10	20525	836.5	25	High	0.08	0.147	22.88	23.80	1.236	0.182	/
Ant.0 (ENDC)	State3	QPSK	Front Side	10	20525	836.5	1	Mid	-0.18	0.106	23.41	24.60	1.315	0.139	/
	State3		Back Side	10	20525	836.5	1	Mid	0.08	0.223	23.41	24.60	1.315	0.293	/
	State3		Left Edge	10	20525	836.5	1	Mid	0.17	0.065	23.41	24.60	1.315	0.085	/
	State3		Right Edge	10	20525	836.5	1	Mid	0.09	0.141	23.41	24.60	1.315	0.185	
	State3		Bottom Edge	10	20525	836.5	1	Mid	0.09	0.154	23.41	24.60	1.315	0.203	/
	State3		Front Side	10	20525	836.5	25	Low	0.08	0.085	22.43	23.60	1.309	0.111	/
	State3		Back Side	10	20525	836.5	25	Low	-0.08	0.192	22.43	23.60	1.309	0.251	/
	State3		Left Edge	10	20525	836.5	25	Low	0.03	0.065	22.43	23.60	1.309	0.085	/
	State3		Right Edge	10	20525	836.5	25	Low	0.06	0.109	22.43	23.60	1.309	0.143	
	State3		Bottom Edge	10	20525	836.5	25	Low	0.03	0.109	22.43	23.60	1.309	0.143	/

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

11.9LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2	QPSK	Left Cheek	0	21100	2535	1	Mid	-0.15	0.212	16.49	16.80	1.074	0.228	/
	State2		Left Tilt	0	21100	2535	1	Mid	-0.07	0.255	16.49	16.80	1.074	0.274	/
	State2		Right Cheek	0	21100	2535	1	Mid	0.06	0.565	16.49	16.80	1.074	0.607	/
	State2		Right Tilt	0	21100	2535	1	Mid	0.18	0.674	16.49	16.80	1.074	0.724	/
	State2		Left Cheek	0	21100	2535	50	Low	-0.18	0.232	16.47	16.80	1.079	0.250	/
	State2		Left Tilt	0	21100	2535	50	Low	-0.17	0.268	16.47	16.80	1.079	0.289	/
	State2		Right Cheek	0	21100	2535	50	Low	0.13	0.641	16.47	16.80	1.079	0.692	/
	State2		Right Tilt	0	21100	2535	50	Low	0.07	0.811	16.47	16.80	1.079	0.875	27#
	State2		Right Tilt	0	20850	2510	1	High	-0.08	0.738	16.41	16.80	1.094	0.807	/
	State2		Right Tilt	0	21350	2560	1	Mid	-0.14	0.634	16.39	16.80	1.099	0.697	/
	State2		Right Tilt	0	20850	2510	50	High	-0.16	0.733	16.43	16.80	1.089	0.798	/
	State2		Right Tilt	0	21350	2560	50	Mid	0.03	0.588	16.44	16.80	1.086	0.639	/
	State2		Right Tilt	0	21100	2535	100	Low	-0.02	0.595	16.43	16.80	1.089	0.648	/
Ant.1	State4	QPSK	Left Cheek	0	21100	2535	1	Mid	0.17	0.195	15.90	16.30	1.096	0.214	/
	State4		Left Tilt	0	21100	2535	1	Mid	0.06	0.234	15.90	16.30	1.096	0.256	/
	State4		Right Cheek	0	21100	2535	1	Mid	-0.11	0.512	15.90	16.30	1.096	0.561	/
	State4		Right Tilt	0	21100	2535	1	Mid	0.07	0.588	15.90	16.30	1.096	0.644	/
	State4		Left Cheek	0	21100	2535	50	Mid	-0.07	0.213	15.85	16.30	1.109	0.236	/
	State4		Left Tilt	0	21100	2535	50	Mid	0.15	0.245	15.85	16.30	1.109	0.272	/
	State4		Right Cheek	0	21100	2535	50	Mid	-0.08	0.564	15.85	16.30	1.109	0.625	/
	State4		Right Tilt	0	21100	2535	50	Mid	0.13	0.711	15.85	16.30	1.109	0.788	/
Ant.1 (ENDC)	State2	QPSK	Left Cheek	0	21100	2535	1	High	-0.11	0.074	12.55	12.80	1.059	0.078	/
	State2		Left Tilt	0	21100	2535	1	High	-0.08	0.098	12.55	12.80	1.059	0.104	/
	State2		Right Cheek	0	21100	2535	1	High	-0.03	0.223	12.55	12.80	1.059	0.236	/
	State2		Right Tilt	0	21100	2535	1	High	0.16	0.241	12.55	12.80	1.059	0.255	/
	State2		Left Cheek	0	21100	2535	50	Low	0.02	0.096	12.77	12.80	1.007	0.097	/
	State2		Left Tilt	0	21100	2535	50	Low	0.07	0.108	12.77	12.80	1.007	0.109	/
	State2		Right Cheek	0	21100	2535	50	Low	-0.10	0.234	12.77	12.80	1.007	0.236	/
	State2		Right Tilt	0	21100	2535	50	Low	-0.02	0.312	12.77	12.80	1.007	0.314	/
Ant.1 (ENDC)	State4	QPSK	Left Cheek	0	21100	2535	1	High	-0.17	0.061	12.11	12.30	1.045	0.064	/
	State4		Left Tilt	0	21100	2535	1	High	-0.18	0.083	12.11	12.30	1.045	0.087	/
	State4		Right Cheek	0	21100	2535	1	High	-0.17	0.182	12.11	12.30	1.045	0.190	/
	State4		Right Tilt	0	21100	2535	1	High	0.12	0.206	12.11	12.30	1.045	0.215	/
	State4		Left Cheek	0	21100	2535	50	Low	0.07	0.081	12.19	12.30	1.026	0.083	/
	State4		Left Tilt	0	21100	2535	50	Low	0.19	0.092	12.19	12.30	1.026	0.094	/
	State4		Right Cheek	0	21100	2535	50	Low	-0.10	0.201	12.19	12.30	1.026	0.206	/

	State4		Right Tilt	0	21100	2535	50	Low	0.02	0.266	12.19	12.30	1.026	0.273	/
Ant.4	State2&4	QPSK	Left Cheek	0	21350	2560	1	Mid	-0.06	0.190	22.14	23.30	1.306	0.248	/
	State2&4		Left Tilt	0	20850	2510	1	Mid	-0.18	0.077	22.14	23.30	1.306	0.101	/
	State2&4		Right Cheek	0	21350	2560	1	Mid	-0.08	0.301	22.14	23.30	1.306	0.393	/
	State2&4		Right Tilt	0	20850	2510	1	Mid	-0.04	0.178	22.14	23.30	1.306	0.232	/
	State2&4		Left Cheek	0	21350	2560	50	Mid	-0.05	0.154	21.12	22.30	1.312	0.202	/
	State2&4		Left Tilt	0	20850	2510	50	Mid	-0.04	0.063	21.12	22.30	1.312	0.083	/
	State2&4		Right Cheek	0	21350	2560	50	Mid	0.14	0.261	21.12	22.30	1.312	0.342	/
	State2&4		Right Tilt	0	20850	2510	50	Mid	0.13	0.155	21.12	22.30	1.312	0.203	/
	Ant.4 (ENDC)		State2	QPSK	Left Cheek	0	21350	2560	1	Low	-0.11	0.151	19.91	20.30	1.094
State2		Left Tilt	0		21350	2560	1	Low	-0.02	0.061	19.91	20.30	1.094	0.067	/
State2		Right Cheek	0		21350	2560	1	Low	-0.03	0.239	19.91	20.30	1.094	0.261	/
State2		Right Tilt	0		21350	2560	1	Low	-0.08	0.141	19.91	20.30	1.094	0.154	/
State2		Left Cheek	0		21350	2560	50	Low	-0.17	0.122	19.84	20.30	1.112	0.136	/
State2		Left Tilt	0		21350	2560	50	Low	-0.10	0.050	19.84	20.30	1.112	0.056	/
State2		Right Cheek	0		21350	2560	50	Low	0.12	0.207	19.84	20.30	1.112	0.230	/
State2		Right Tilt	0		21350	2560	50	Low	-0.18	0.123	19.84	20.30	1.112	0.137	/
Ant.4 (ENDC)	State4	QPSK	Left Cheek	0	21350	2560	1	Low	0.18	0.083	19.35	19.80	1.109	0.092	/
	State4		Left Tilt	0	21350	2560	1	Low	-0.06	0.032	19.35	19.80	1.109	0.035	/
	State4		Right Cheek	0	21350	2560	1	Low	0.17	0.141	19.35	19.80	1.109	0.156	/
	State4		Right Tilt	0	21350	2560	1	Low	0.15	0.075	19.35	19.80	1.109	0.083	/
	State4		Left Cheek	0	21350	2560	50	Low	-0.05	0.083	19.49	19.80	1.074	0.089	/
	State4		Left Tilt	0	21350	2560	50	Low	0.13	0.032	19.49	19.80	1.074	0.034	/
	State4		Right Cheek	0	21350	2560	50	Low	0.04	0.133	19.49	19.80	1.074	0.143	/
	State4		Right Tilt	0	21350	2560	50	Low	-0.09	0.083	19.49	19.80	1.074	0.089	/
Ant.0	State2&4	QPSK	Left Cheek	0	21100	2535	1	Mid	-0.08	0.206	23.73	24.30	1.140	0.235	/
	State2&4		Left Tilt	0	21100	2535	1	Mid	0.05	0.130	23.73	24.30	1.140	0.148	/
	State2&4		Right Cheek	0	21100	2535	1	Mid	-0.18	0.357	23.73	24.30	1.140	0.407	/
	State2&4		Right Tilt	0	21100	2535	1	Mid	0.17	0.177	23.73	24.30	1.140	0.202	/
	State2&4		Left Cheek	0	21100	2535	50	Mid	-0.02	0.178	22.72	23.30	1.143	0.203	/
	State2&4		Left Tilt	0	21100	2535	50	Mid	-0.10	0.103	22.72	23.30	1.143	0.118	/
	State2&4		Right Cheek	0	21100	2535	50	Mid	0.13	0.299	22.72	23.30	1.143	0.342	/
	State2&4		Right Tilt	0	21100	2535	50	Mid	0.16	0.148	22.72	23.30	1.143	0.169	/
Ant.0 (ENDC)	State2&4	QPSK	Left Cheek	0	21100	2535	1	Mid	0.07	0.154	22.42	22.80	1.091	0.168	/
	State2&4		Left Tilt	0	21100	2535	1	Mid	0.19	0.113	22.42	22.80	1.091	0.123	/
	State2&4		Right Cheek	0	21100	2535	1	Mid	-0.04	0.274	22.42	22.80	1.091	0.299	/
	State2&4		Right Tilt	0	21100	2535	1	Mid	0.19	0.131	22.42	22.80	1.091	0.143	/
	State2&4		Left Cheek	0	21100	2535	50	High	-0.16	0.129	22.04	22.30	1.062	0.137	/
	State2&4		Left Tilt	0	21100	2535	50	High	0.11	0.081	22.04	22.30	1.062	0.086	/
	State2&4		Right Cheek	0	21100	2535	50	High	-0.18	0.224	22.04	22.30	1.062	0.238	/
	State2&4		Right Tilt	0	21100	2535	50	High	-0.17	0.106	22.04	22.30	1.062	0.113	/
Body-worn															
Ant.1	State1	QPSK	Front Side	15	21100	2535	1	Mid	-0.08	0.115	19.29	19.80	1.125	0.129	/

	State1		Back Side	15	21100	2535	1	Mid	-0.08	0.173	19.29	19.80	1.125	0.195	/
	State1		Front Side	15	21100	2535	50	Low	0.15	0.119	19.25	19.80	1.135	0.135	/
	State1		Back Side	15	21100	2535	50	Low	-0.02	0.177	19.25	19.80	1.135	0.201	/
Ant.1	State3	QPSK	Front Side	15	21100	2535	1	Mid	-0.04	0.106	18.80	19.30	1.122	0.119	/
	State3		Back Side	15	21100	2535	1	Mid	-0.15	0.144	18.80	19.30	1.122	0.162	/
	State3		Front Side	15	21100	2535	50	Mid	0.04	0.112	18.79	19.30	1.125	0.126	/
	State3		Back Side	15	21100	2535	50	Mid	0.16	0.162	18.79	19.30	1.125	0.182	/
Ant.1 (ENDC)	State1	QPSK	Front Side	15	21100	2535	1	Mid	-0.14	0.052	15.61	15.80	1.045	0.054	/
	State1		Back Side	15	21100	2535	1	Mid	-0.12	0.075	15.61	15.80	1.045	0.078	/
	State1		Front Side	15	21100	2535	50	Mid	0.18	0.055	15.70	15.80	1.023	0.056	/
	State1		Back Side	15	21100	2535	50	Mid	-0.18	0.076	15.70	15.80	1.023	0.078	/
Ant.1 (ENDC)	State3	QPSK	Front Side	15	21100	2535	1	Mid	0.03	0.042	14.57	15.30	1.183	0.050	/
	State3		Back Side	15	21100	2535	1	Mid	-0.12	0.063	14.57	15.30	1.183	0.075	/
	State3		Front Side	15	21100	2535	50	High	-0.08	0.045	14.76	15.30	1.132	0.051	/
	State3		Back Side	15	21100	2535	50	High	-0.01	0.068	14.76	15.30	1.132	0.077	/
Ant.4	State1	QPSK	Front Side	15	21100	2535	1	Mid	0.04	0.041	21.69	22.80	1.291	0.053	/
	State1		Back Side	15	21100	2535	1	Mid	0.09	0.179	21.69	22.80	1.291	0.231	/
	State1		Front Side	15	21100	2535	50	Mid	0.13	0.038	21.14	22.30	1.306	0.050	/
	State1		Back Side	15	21100	2535	50	Mid	0.18	0.168	21.14	22.30	1.306	0.219	/
Ant.4	State3	QPSK	Front Side	15	21100	2535	1	Mid	-0.01	0.034	21.18	22.30	1.294	0.044	/
	State3		Back Side	15	21100	2535	1	Mid	-0.18	0.155	21.18	22.30	1.294	0.201	/
	State3		Front Side	15	21100	2535	50	Mid	-0.18	0.031	21.16	22.30	1.300	0.040	/
	State3		Back Side	15	21100	2535	50	Mid	0.12	0.147	21.16	22.30	1.300	0.191	/
Ant.4 (ENDC)	State1	QPSK	Front Side	15	21350	2560	1	Low	0.07	0.018	19.35	19.80	1.109	0.020	/
	State1		Back Side	15	21350	2560	1	Low	0.16	0.087	19.35	19.80	1.109	0.096	/
	State1		Front Side	15	21350	2560	50	Low	0.12	0.015	19.49	19.80	1.074	0.016	/
	State1		Back Side	15	21350	2560	50	Low	-0.09	0.083	19.49	19.80	1.074	0.089	/
Ant.4 (ENDC)	State3	QPSK	Front Side	15	21350	2560	1	Low	-0.03	0.014	19.35	19.80	1.109	0.016	/
	State3		Back Side	15	21350	2560	1	Low	-0.14	0.073	19.35	19.80	1.109	0.081	/
	State3		Front Side	15	21350	2560	50	Low	0.16	0.012	19.49	19.80	1.074	0.013	/
	State3		Back Side	15	21350	2560	50	Low	-0.19	0.071	19.49	19.80	1.074	0.076	/
Ant.0	State1	QPSK	Front Side	15	21100	2535	1	Mid	-0.17	0.148	23.32	23.80	1.117	0.165	/
	State1		Back Side	15	21100	2535	1	Mid	0.04	0.218	23.32	23.80	1.117	0.244	28/#
	State1		Front Side	15	21100	2535	50	Mid	0.02	0.136	22.81	23.30	1.119	0.152	/
	State1		Back Side	15	21100	2535	50	Mid	-0.16	0.185	22.81	23.30	1.119	0.207	/
Ant.0	State3	QPSK	Front Side	15	21100	2535	1	Mid	0.12	0.128	22.80	23.30	1.122	0.144	/
	State3		Back Side	15	21100	2535	1	Mid	0.17	0.181	22.80	23.30	1.122	0.203	/
	State3		Front Side	15	21100	2535	50	Low	0.08	0.125	22.80	23.30	1.122	0.140	/
	State3		Back Side	15	21100	2535	50	Low	0.19	0.177	22.80	23.30	1.122	0.199	/
Ant.0 (ENDC)	State1	QPSK	Front Side	15	21100	2535	1	Mid	-0.04	0.098	21.40	21.80	1.096	0.107	/
	State1		Back Side	15	21100	2535	1	Mid	0.12	0.134	21.40	21.80	1.096	0.147	/
	State1		Front Side	15	21100	2535	50	High	-0.19	0.095	21.53	21.80	1.064	0.101	/
	State1		Back Side	15	21100	2535	50	High	0.06	0.131	21.53	21.80	1.064	0.139	/

Ant.0 (ENDC)	State3	QPSK	Front Side	15	21100	2535	1	High	0.01	0.085	20.95	21.30	1.084	0.092	/
	State3		Back Side	15	21100	2535	1	High	0.15	0.115	20.95	21.30	1.084	0.125	/
	State3		Front Side	15	21100	2535	50	Mid	-0.10	0.083	21.06	21.30	1.057	0.088	/
	State3		Back Side	15	21100	2535	50	Mid	0.16	0.112	21.06	21.30	1.057	0.118	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	21100	2535	1	Mid	0.15	0.209	18.80	19.30	1.122	0.234	/
	State3		Back Side	10	21100	2535	1	Mid	-0.10	0.349	18.80	19.30	1.122	0.392	/
	State3		Right Edge	10	21100	2535	1	Mid	-0.17	0.193	18.80	19.30	1.122	0.217	/
	State3		Top Edge	10	21100	2535	1	Mid	0.18	0.605	18.80	19.30	1.122	0.679	29#
	State3		Front Side	10	21100	2535	50	Mid	0.16	0.218	18.79	19.30	1.125	0.245	/
	State3		Back Side	10	21100	2535	50	Mid	0.08	0.374	18.79	19.30	1.125	0.421	/
	State3		Right Edge	10	21100	2535	50	Mid	0.08	0.191	18.79	19.30	1.125	0.215	/
	State3		Top Edge	10	21100	2535	50	Mid	0.07	0.585	18.79	19.30	1.125	0.658	/
Ant.1	State3	QPSK (ENDC)	Front Side	10	21100	2535	1	Mid	-0.17	0.091	14.57	15.30	1.183	0.108	/
	State3		Back Side	10	21100	2535	1	Mid	0.10	0.144	14.57	15.30	1.183	0.170	/
	State3		Right Edge	10	21100	2535	1	Mid	-0.06	0.074	14.57	15.30	1.183	0.088	/
	State3		Top Edge	10	21100	2535	1	Mid	0.19	0.265	14.57	15.30	1.183	0.313	/
	State3		Front Side	10	21100	2535	50	High	-0.05	0.091	14.76	15.30	1.132	0.103	/
	State3		Back Side	10	21100	2535	50	High	-0.18	0.153	14.76	15.30	1.132	0.173	/
	State3		Right Edge	10	21100	2535	50	High	-0.01	0.083	14.76	15.30	1.132	0.094	/
	State3		Top Edge	10	21100	2535	50	High	-0.02	0.255	14.76	15.30	1.132	0.289	/
Ant.4	State3	QPSK	Front Side	10	21100	2535	1	Mid	0.03	0.032	21.18	22.30	1.294	0.041	/
	State3		Back Side	10	21100	2535	1	Mid	-0.09	0.276	21.18	22.30	1.294	0.357	/
	State3		Right Edge	10	21100	2535	1	Mid	-0.12	0.245	21.18	22.30	1.294	0.317	/
	State3		Top Edge	10	21100	2535	1	Mid	-0.18	0.012	21.18	22.30	1.294	0.016	/
	State3		Front Side	10	21100	2535	50	Mid	-0.09	0.006	21.16	22.30	1.300	0.008	/
	State3		Back Side	10	21100	2535	50	Mid	0.04	0.265	21.16	22.30	1.300	0.345	/
	State3		Right Edge	10	21100	2535	50	Mid	0.14	0.234	21.16	22.30	1.300	0.304	/
	State3		Top Edge	10	21100	2535	50	Mid	-0.11	0.016	21.16	22.30	1.300	0.021	/
Ant.4	State3	QPSK (ENDC)	Front Side	10	21350	2560	1	Low	-0.08	0.015	19.35	19.80	1.109	0.017	/
	State3		Back Side	10	21350	2560	1	Low	-0.18	0.143	19.35	19.80	1.109	0.159	/
	State3		Right Edge	10	21350	2560	1	Low	-0.19	0.131	19.35	19.80	1.109	0.145	/
	State3		Top Edge	10	21350	2560	1	Low	-0.06	0.006	19.35	19.80	1.109	0.007	/
	State3		Front Side	10	21350	2560	50	Low	-0.06	0.002	19.49	19.80	1.074	0.002	/
	State3		Back Side	10	21350	2560	50	Low	0.06	0.135	19.49	19.80	1.074	0.145	/
	State3		Right Edge	10	21350	2560	50	Low	-0.02	0.128	19.49	19.80	1.074	0.137	/
	State3		Top Edge	10	21350	2560	50	Low	-0.11	0.008	19.49	19.80	1.074	0.009	/
Ant.0	State3	QPSK	Front Side	10	21100	2535	1	Mid	0.18	0.201	22.80	23.30	1.122	0.226	/
	State3		Back Side	10	21100	2535	1	Mid	0.17	0.257	22.80	23.30	1.122	0.288	/
	State3		Left Edge	10	21100	2535	1	Mid	-0.19	0.143	22.80	23.30	1.122	0.160	/
	State3		Right Edge	10	21100	2535	1	Mid	0.12	0.025	22.80	23.30	1.122	0.028	/
	State3		Bottom Edge	10	21100	2535	1	Mid	0.10	0.171	22.80	23.30	1.122	0.192	/
	State3		Front Side	10	21100	2535	50	Low	0.07	0.209	22.80	23.30	1.122	0.234	/

	State3		Back Side	10	21100	2535	50	Low	-0.10	0.264	22.80	23.30	1.122	0.296	/
	State3		Left Edge	10	21100	2535	50	Low	0.18	0.148	22.80	23.30	1.122	0.166	/
	State3		Right Edge	10	21100	2535	50	Low	0.19	0.011	22.80	23.30	1.122	0.012	/
	State3		Bottom Edge	10	21100	2535	50	Low	0.19	0.175	22.80	23.30	1.122	0.196	/
Ant.0	State3	QPSK (ENDC)	Front Side	10	21100	2535	1	High	0.12	0.116	20.95	21.30	1.084	0.126	/
	State3		Back Side	10	21100	2535	1	High	0.07	0.143	20.95	21.30	1.084	0.155	/
	State3		Left Edge	10	21100	2535	1	High	0.06	0.102	20.95	21.30	1.084	0.111	/
	State3		Right Edge	10	21100	2535	1	High	-0.17	0.013	20.95	21.30	1.084	0.014	/
	State3		Bottom Edge	10	21100	2535	1	High	0.02	0.095	20.95	21.30	1.084	0.103	/
	State3		Front Side	10	21100	2535	50	Mid	0.13	0.131	21.06	21.30	1.057	0.138	/
	State3		Back Side	10	21100	2535	50	Mid	-0.11	0.162	21.06	21.30	1.057	0.171	/
	State3		Left Edge	10	21100	2535	50	Mid	-0.06	0.085	21.06	21.30	1.057	0.090	/
	State3		Right Edge	10	21100	2535	50	Mid	-0.04	0.003	21.06	21.30	1.057	0.003	/
	State3		Bottom Edge	10	21100	2535	50	Mid	0.11	0.112	21.06	21.30	1.057	0.118	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.1	State3	QPSK	Top Edge	0	21100	2535	1	Mid	-0.06	1.140	18.80	19.30	1.122	1.279	30#
			Top Edge	0	21100	2535	50	Mid	0.03	1.090	18.79	19.30	1.125	1.226	/
	State3	ENDC	Top Edge	0	21100	2535	1	Mid	0.01	1.060	14.57	15.30	1.183	1.254	/
			Top Edge	0	21100	2535	50	Mid	0.01	1.030	14.76	15.30	1.132	1.166	/

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 Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head-CA															
Ant.1	State2	QPSK	Right Tilt	0	21100 +21298	2535 +2554.8	1+1	High +Low	0.05	0.760	16.21	16.80	1.146	0.871	53#
	State2			0	20850 +21048	2510 +2529.8	1+1	High +Low	0.02	0.742	16.13	16.80	1.167	0.866	/
	State2			0	21350 +21152	2560 +2540.2	1+1	Low +High	-0.08	0.735	16.18	16.80	1.153	0.847	/
Body-worn-CA															
Ant.0	State1	QPSK	Back Side	15	21100 +21298	2535 +2554.8	1+1	High +Low	0.15	0.200	23.01	23.80	1.199	0.240	54#
Hotspot-CA															
Ant.1	State3	QPSK	Top Edge	10	21100 +21298	2535 +2554.8	1+1	High +Low	0.05	0.423	18.40	19.30	1.230	0.520	55#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific-CA															
Ant.1	State3	QPSK	Top Edge	0	21100 +21298	2535 +2554.8	1+1	High +Low	0.09	1.020	18.40	19.30	1.230	1.255	56#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.11 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2	QPSK	Left Cheek	0	23095	707.5	1	High	0.09	0.263	21.02	21.90	1.225	0.322	/
	State2		Left Tilt	0	23095	707.5	1	High	0.12	0.223	21.02	21.90	1.225	0.273	/
	State2		Right Cheek	0	23095	707.5	1	High	-0.15	0.422	21.02	21.90	1.225	0.517	/
	State2		Right Tilt	0	23095	707.5	1	High	-0.07	0.365	21.02	21.90	1.225	0.447	/
	State2		Left Cheek	0	23095	707.5	25	High	0.03	0.254	21.08	21.90	1.208	0.307	/
	State2		Left Tilt	0	23095	707.5	25	High	0.09	0.234	21.08	21.90	1.208	0.283	/
	State2		Right Cheek	0	23095	707.5	25	High	-0.03	0.460	21.08	21.90	1.208	0.556	31#
	State2		Right Tilt	0	23095	707.5	25	High	0.05	0.401	21.08	21.90	1.208	0.484	/
Ant.1	State4	QPSK	Left Cheek	0	23095	707.5	1	Mid	0.04	0.226	20.66	21.40	1.186	0.268	/
	State4		Left Tilt	0	23095	707.5	1	Mid	0.04	0.185	20.66	21.40	1.186	0.219	/
	State4		Right Cheek	0	23095	707.5	1	Mid	-0.12	0.365	20.66	21.40	1.186	0.433	/
	State4		Right Tilt	0	23095	707.5	1	Mid	0.02	0.316	20.66	21.40	1.186	0.375	/
	State4		Left Cheek	0	23095	707.5	25	High	0.14	0.218	20.75	21.40	1.161	0.253	/
	State4		Left Tilt	0	23095	707.5	25	High	0.11	0.201	20.75	21.40	1.161	0.233	/
	State4		Right Cheek	0	23095	707.5	25	High	-0.16	0.395	20.75	21.40	1.161	0.459	/
	State4		Right Tilt	0	23095	707.5	25	High	-0.07	0.347	20.75	21.40	1.161	0.403	/
Ant.1	State2	QPSK (ENDC)	Left Cheek	0	23095	707.5	1	Low	0.11	0.112	18.55	18.70	1.035	0.116	/
	State2		Left Tilt	0	23095	707.5	1	Low	0.07	0.095	18.55	18.70	1.035	0.098	/
	State2		Right Cheek	0	23095	707.5	1	Low	0.11	0.165	18.55	18.70	1.035	0.171	/
	State2		Right Tilt	0	23095	707.5	1	Low	0.09	0.152	18.55	18.70	1.035	0.157	/
	State2		Left Cheek	0	23095	707.5	25	High	0.19	0.095	18.62	18.70	1.019	0.097	/
	State2		Left Tilt	0	23095	707.5	25	High	-0.05	0.083	18.62	18.70	1.019	0.085	/
	State2		Right Cheek	0	23095	707.5	25	High	0.10	0.174	18.62	18.70	1.019	0.177	/
	State2		Right Tilt	0	23095	707.5	25	High	0.13	0.153	18.62	18.70	1.019	0.156	/
Ant.1	State4	QPSK (ENDC)	Left Cheek	0	23095	707.5	1	Low	0.11	0.095	18.11	18.20	1.021	0.097	/
	State4		Left Tilt	0	23095	707.5	1	Low	0.07	0.083	18.11	18.20	1.021	0.085	/
	State4		Right Cheek	0	23095	707.5	1	Low	0.13	0.134	18.11	18.20	1.021	0.137	/
	State4		Right Tilt	0	23095	707.5	1	Low	-0.03	0.125	18.11	18.20	1.021	0.128	/
	State4		Left Cheek	0	23095	707.5	25	High	-0.19	0.081	18.18	18.20	1.005	0.081	/
	State4		Left Tilt	0	23095	707.5	25	High	-0.08	0.072	18.18	18.20	1.005	0.072	/
	State4		Right Cheek	0	23095	707.5	25	High	-0.16	0.145	18.18	18.20	1.005	0.146	/
	State4		Right Tilt	0	23095	707.5	25	High	0.04	0.131	18.18	18.20	1.005	0.132	/
Ant.0	State2&4	QPSK	Left Cheek	0	23095	707.5	1	Mid	-0.10	0.088	23.82	24.60	1.197	0.105	/
	State2&4		Left Tilt	0	23095	707.5	1	Mid	0.08	0.048	23.82	24.60	1.197	0.057	/
	State2&4		Right Cheek	0	23095	707.5	1	Mid	0.14	0.072	23.82	24.60	1.197	0.086	/
	State2&4		Right Tilt	0	23095	707.5	1	Mid	-0.07	0.032	23.82	24.60	1.197	0.038	/

	State2&4		Left Cheek	0	23095	707.5	25	High	-0.17	0.075	22.79	23.60	1.205	0.090	/
	State2&4		Left Tilt	0	23095	707.5	25	High	0.19	0.041	22.79	23.60	1.205	0.049	/
	State2&4		Right Cheek	0	23095	707.5	25	High	-0.13	0.062	22.79	23.60	1.205	0.075	/
	State2&4		Right Tilt	0	23095	707.5	25	High	-0.15	0.028	22.79	23.60	1.205	0.034	/
Ant.0	State2&4	QPSK (ENDC)	Left Cheek	0	23095	707.5	1	Mid	0.05	0.075	24.31	24.40	1.021	0.077	/
	State2&4		Left Tilt	0	23095	707.5	1	Mid	0.03	0.044	24.31	24.40	1.021	0.045	/
	State2&4		Right Cheek	0	23095	707.5	1	Mid	0.03	0.058	24.31	24.40	1.021	0.059	/
	State2&4		Right Tilt	0	23095	707.5	1	Mid	0.02	0.025	24.31	24.40	1.021	0.026	/
	State2&4		Left Cheek	0	23095	707.5	25	High	-0.14	0.063	23.35	23.40	1.012	0.064	/
	State2&4		Left Tilt	0	23095	707.5	25	High	0.05	0.037	23.35	23.40	1.012	0.037	/
	State2&4		Right Cheek	0	23095	707.5	25	High	-0.17	0.049	23.35	23.40	1.012	0.050	/
	State2&4		Right Tilt	0	23095	707.5	25	High	-0.05	0.021	23.35	23.40	1.012	0.021	/
Body-worn															
Ant.1	State1&3	QPSK	Front Side	15	23095	707.5	1	Mid	0.16	0.130	23.59	24.40	1.205	0.157	/
	State1&3		Back Side	15	23095	707.5	1	Mid	0.03	0.146	23.59	24.40	1.205	0.176	/
	State1&3		Front Side	15	23095	707.5	25	High	-0.15	0.100	22.59	23.40	1.205	0.121	/
	State1&3		Back Side	15	23095	707.5	25	High	0.10	0.120	22.59	23.40	1.205	0.145	/
Ant.1	State1&3	QPSK (ENDC)	Front Side	15	23095	707.5	1	Mid	0.16	0.101	24.16	24.20	1.009	0.102	/
	State1&3		Back Side	15	23095	707.5	1	Mid	0.19	0.115	24.16	24.20	1.009	0.116	/
	State1&3		Front Side	15	23095	707.5	25	Mid	-0.18	0.095	23.20	23.20	1.000	0.095	/
	State1&3		Back Side	15	23095	707.5	25	Mid	-0.11	0.123	23.20	23.20	1.000	0.123	/
Ant.0	State1	QPSK	Front Side	15	23095	707.5	1	Mid	-0.18	0.136	23.82	24.60	1.197	0.163	/
	State1		Back Side	15	23095	707.5	1	Mid	-0.08	0.172	23.82	24.60	1.197	0.206	32#
	State1		Front Side	15	23095	707.5	25	High	0.06	0.114	22.79	23.60	1.205	0.137	/
	State1		Back Side	15	23095	707.5	25	High	-0.13	0.165	22.79	23.60	1.205	0.199	/
Ant.0	State3	QPSK	Front Side	15	23095	707.5	1	High	0.04	0.118	23.82	24.10	1.067	0.126	/
	State3		Back Side	15	23095	707.5	1	High	-0.14	0.155	23.82	24.10	1.067	0.165	/
	State3		Front Side	15	23095	707.5	25	High	0.03	0.103	22.85	23.60	1.189	0.122	/
	State3		Back Side	15	23095	707.5	25	High	-0.11	0.152	22.85	23.60	1.189	0.181	/
Ant.0	State1&3	QPSK (ENDC)	Front Side	15	23095	707.5	1	High	0.11	0.103	24.31	24.40	1.021	0.105	/
	State1&3		Back Side	15	23095	707.5	1	High	0.12	0.144	24.31	24.40	1.021	0.147	/
	State1&3		Front Side	15	23095	707.5	25	High	0.00	0.107	23.35	23.40	1.012	0.108	/
	State1&3		Back Side	15	23095	707.5	25	High	0.12	0.132	23.35	23.40	1.012	0.134	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	23095	707.5	1	Mid	0.17	0.092	23.59	24.40	1.205	0.111	/
	State3		Back Side	10	23095	707.5	1	Mid	0.01	0.106	23.59	24.40	1.205	0.128	/
	State3		Right Edge	10	23095	707.5	1	Mid	-0.16	0.118	23.59	24.40	1.205	0.142	/
	State3		Top Edge	10	23095	707.5	1	Mid	0.09	0.092	23.59	24.40	1.205	0.111	/
	State3		Front Side	10	23095	707.5	25	High	0.01	0.082	22.59	23.40	1.205	0.099	/
	State3		Back Side	10	23095	707.5	25	High	0.01	0.092	22.59	23.40	1.205	0.111	/
	State3		Right Edge	10	23095	707.5	25	High	0.10	0.101	22.59	23.40	1.205	0.122	/
	State3		Top Edge	10	23095	707.5	25	High	-0.03	0.082	22.59	23.40	1.205	0.099	/
Ant.1	State3		Front Side	10	23095	707.5	1	Mid	-0.11	0.072	24.16	24.20	1.009	0.073	/

	State3	QPSK (ENDC)	Back Side	10	23095	707.5	1	Mid	-0.15	0.083	24.16	24.20	1.009	0.084	/
	State3		Left Edge	10	23095	707.5	1	Mid	0.13	0.091	24.16	24.20	1.009	0.092	/
	State3		Top Edge	10	23095	707.5	1	Mid	-0.01	0.071	24.16	24.20	1.009	0.072	/
	State3		Front Side	10	23095	707.5	25	Mid	-0.15	0.065	23.20	23.20	1.000	0.065	/
	State3		Back Side	10	23095	707.5	25	Mid	-0.18	0.073	23.20	23.20	1.000	0.073	/
	State3		Left Edge	10	23095	707.5	25	Mid	-0.08	0.085	23.20	23.20	1.000	0.085	/
	State3		Top Edge	10	23095	707.5	25	Mid	0.16	0.063	23.20	23.20	1.000	0.063	/
Ant.0	State3	QPSK	Front Side	10	23095	707.5	1	High	-0.09	0.082	23.82	24.10	1.067	0.087	/
	State3		Back Side	10	23095	707.5	1	High	-0.07	0.162	23.82	24.10	1.067	0.173	33#
	State3		Left Edge	10	23095	707.5	1	High	0.04	0.071	23.82	24.10	1.067	0.076	/
	State3		Right Edge	10	23095	707.5	1	High	-0.14	0.151	23.82	24.10	1.067	0.161	/
	State3		Bottom Edge	10	23095	707.5	1	High	0.06	0.081	23.82	24.10	1.067	0.086	/
	State3		Front Side	10	23095	707.5	25	High	-0.04	0.075	22.85	23.60	1.189	0.089	/
	State3		Back Side	10	23095	707.5	25	High	-0.18	0.117	22.85	23.60	1.189	0.139	/
	State3		Left Edge	10	23095	707.5	25	High	-0.07	0.065	22.85	23.60	1.189	0.077	/
	State3		Right Edge	10	23095	707.5	25	High	0.14	0.143	22.85	23.60	1.189	0.170	/
	State3		Bottom Edge	10	23095	707.5	25	High	-0.05	0.074	22.85	23.60	1.189	0.088	/
Ant.0	State3	QPSK (ENDC)	Front Side	10	23095	707.5	1	High	-0.09	0.075	24.31	24.40	1.021	0.077	/
	State3		Back Side	10	23095	707.5	1	High	0.19	0.135	24.31	24.40	1.021	0.138	/
	State3		Left Edge	10	23095	707.5	1	High	-0.01	0.065	24.31	24.40	1.021	0.066	/
	State3		Right Edge	10	23095	707.5	1	High	0.01	0.128	24.31	24.40	1.021	0.131	/
	State3		Bottom Edge	10	23095	707.5	1	High	-0.02	0.072	24.31	24.40	1.021	0.074	/
	State3		Front Side	10	23095	707.5	25	High	0.06	0.075	23.35	23.40	1.012	0.076	/
	State3		Back Side	10	23095	707.5	25	High	-0.02	0.108	23.35	23.40	1.012	0.109	/
	State3		Left Edge	10	23095	707.5	25	High	0.04	0.073	23.35	23.40	1.012	0.074	/
	State3		Right Edge	10	23095	707.5	25	High	-0.17	0.121	23.35	23.40	1.012	0.122	/
	State3		Bottom Edge	10	23095	707.5	25	High	0.04	0.069	23.35	23.40	1.012	0.070	/

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

11.12 LTE Band 13 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2	QPSK	Left Cheek	0	23230	782	1	Low	0.11	0.318	20.67	21.60	1.239	0.394	/
	State2		Left Tilt	0	23230	782	1	Low	-0.01	0.323	20.67	21.60	1.239	0.400	/
	State2		Right Cheek	0	23230	782	1	Low	-0.18	0.474	20.67	21.60	1.239	0.587	/
	State2		Right Tilt	0	23230	782	1	Low	0.01	0.415	20.67	21.60	1.239	0.514	/
	State2		Left Cheek	0	23230	782	25	High	-0.12	0.321	20.61	21.60	1.256	0.403	/
	State2		Left Tilt	0	23230	782	25	High	0.08	0.332	20.61	21.60	1.256	0.417	/
	State2		Right Cheek	0	23230	782	25	High	-0.04	0.501	20.61	21.60	1.256	0.629	34#
	State2		Right Tilt	0	23230	782	25	High	0.05	0.445	20.61	21.60	1.256	0.559	/
Ant.1	State4	QPSK	Left Cheek	0	23230	782	1	Mid	-0.10	0.265	20.27	21.10	1.211	0.321	/
	State4		Left Tilt	0	23230	782	1	Mid	-0.09	0.271	20.27	21.10	1.211	0.328	/
	State4		Right Cheek	0	23230	782	1	Mid	0.13	0.432	20.27	21.10	1.211	0.523	/
	State4		Right Tilt	0	23230	782	1	Mid	-0.18	0.382	20.27	21.10	1.211	0.463	/
	State4		Left Cheek	0	23230	782	25	High	-0.19	0.271	20.15	21.10	1.245	0.337	/
	State4		Left Tilt	0	23230	782	25	High	-0.02	0.286	20.15	21.10	1.245	0.356	/
	State4		Right Cheek	0	23230	782	25	High	0.00	0.431	20.15	21.10	1.245	0.537	/
	State4		Right Tilt	0	23230	782	25	High	-0.06	0.402	20.15	21.10	1.245	0.500	/
Ant.0	State2&4	QPSK	Left Cheek	0	23230	782	1	Mid	-0.04	0.124	23.52	24.40	1.225	0.152	/
	State2&4		Left Tilt	0	23230	782	1	Mid	0.00	0.065	23.52	24.40	1.225	0.080	/
	State2&4		Right Cheek	0	23230	782	1	Mid	0.04	0.103	23.52	24.40	1.225	0.126	/
	State2&4		Right Tilt	0	23230	782	1	Mid	0.19	0.047	23.52	24.40	1.225	0.058	/
	State2&4		Left Cheek	0	23230	782	25	High	-0.15	0.105	22.30	23.40	1.288	0.135	/
	State2&4		Left Tilt	0	23230	782	25	High	0.16	0.051	22.30	23.40	1.288	0.066	/
	State2&4		Right Cheek	0	23230	782	25	High	-0.02	0.085	22.30	23.40	1.288	0.109	/
	State2&4		Right Tilt	0	23230	782	25	High	-0.15	0.034	22.30	23.40	1.288	0.044	/
Body-worn															
Ant.1	State1&3	QPSK	Front Side	15	23230	782	1	Low	-0.01	0.121	23.32	24.10	1.197	0.145	/
	State1&3		Back Side	15	23230	782	1	Low	0.00	0.122	23.32	24.10	1.197	0.146	/
	State1&3		Front Side	15	23230	782	25	High	0.00	0.098	22.14	23.10	1.247	0.122	/
	State1&3		Back Side	15	23230	782	25	High	0.02	0.099	22.14	23.10	1.247	0.123	/
Ant.0	State1&3	QPSK	Front Side	15	23230	782	1	Mid	0.14	0.103	23.52	24.40	1.225	0.126	/
	State1&3		Back Side	15	23230	782	1	Mid	-0.01	0.134	23.52	24.40	1.225	0.164	35#
	State1&3		Front Side	15	23230	782	25	High	-0.06	0.084	22.30	23.40	1.288	0.108	/
	State1&3		Back Side	15	23230	782	25	High	0.16	0.121	22.30	23.40	1.288	0.156	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	23230	782	1	Low	0.10	0.163	23.32	24.10	1.197	0.195	/
	State3		Back Side	10	23230	782	1	Low	-0.10	0.209	23.32	24.10	1.197	0.250	/

	State3		Right Edge	10	23230	782	1	Low	0.12	0.119	23.32	24.10	1.197	0.142	/
	State3		Top Edge	10	23230	782	1	Low	0.06	0.213	23.32	24.10	1.197	0.255	/
	State3		Front Side	10	23230	782	25	High	-0.02	0.131	22.14	23.10	1.247	0.163	/
	State3		Back Side	10	23230	782	25	High	0.02	0.172	22.14	23.10	1.247	0.214	/
	State3		Right Edge	10	23230	782	25	High	0.18	0.097	22.14	23.10	1.247	0.121	/
	State3		Top Edge	10	23230	782	25	High	-0.12	0.169	22.14	23.10	1.247	0.211	/
Ant.0	State3	QPSK	Front Side	10	23230	782	1	Mid	-0.13	0.104	23.52	24.40	1.225	0.127	/
	State3		Back Side	10	23230	782	1	Mid	-0.03	0.257	23.52	24.40	1.225	0.315	36#
	State3		Left Edge	10	23230	782	1	Mid	0.12	0.078	23.52	24.40	1.225	0.096	/
	State3		Right Edge	10	23230	782	1	Mid	0.14	0.123	23.52	24.40	1.225	0.151	
	State3		Bottom Edge	10	23230	782	1	Mid	-0.11	0.145	23.52	24.40	1.225	0.178	/
	State3		Front Side	10	23230	782	25	High	-0.12	0.085	22.30	23.40	1.288	0.109	/
	State3		Back Side	10	23230	782	25	High	0.13	0.169	22.30	23.40	1.288	0.218	/
	State3		Left Edge	10	23230	782	25	High	-0.18	0.064	22.30	23.40	1.288	0.082	/
	State3		Right Edge	10	23230	782	25	High	0.13	0.098	22.30	23.40	1.288	0.126	
	State3		Bottom Edge	10	23230	782	25	High	-0.16	0.122	22.30	23.40	1.288	0.157	/

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

11.13 LTE Band 17 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2	QPSK	Left Cheek	0	23780	709	1	Mid	0.05	0.274	21.05	21.90	1.216	0.333	/
	State2		Left Tilt	0	23780	709	1	Mid	-0.10	0.231	21.05	21.90	1.216	0.281	/
	State2		Right Cheek	0	23780	709	1	Mid	-0.08	0.445	21.05	21.90	1.216	0.541	37#
	State2		Right Tilt	0	23780	709	1	Mid	0.09	0.412	21.05	21.90	1.216	0.501	/
	State2		Left Cheek	0	23780	709	25	High	0.18	0.277	21.06	21.90	1.213	0.336	/
	State2		Left Tilt	0	23780	709	25	High	0.09	0.235	21.06	21.90	1.213	0.285	/
	State2		Right Cheek	0	23780	709	25	High	-0.18	0.416	21.06	21.90	1.213	0.505	/
	State2		Right Tilt	0	23780	709	25	High	0.17	0.398	21.06	21.90	1.213	0.483	/
Ant.1	State4	QPSK	Left Cheek	0	23780	709	1	Mid	0.13	0.234	20.73	21.40	1.167	0.273	/
	State4		Left Tilt	0	23780	709	1	Mid	-0.05	0.211	20.73	21.40	1.167	0.246	/
	State4		Right Cheek	0	23780	709	1	Mid	-0.13	0.388	20.73	21.40	1.167	0.453	/
	State4		Right Tilt	0	23780	709	1	Mid	-0.18	0.354	20.73	21.40	1.167	0.413	/
	State4		Left Cheek	0	23780	709	25	High	-0.18	0.256	20.73	21.40	1.167	0.299	/
	State4		Left Tilt	0	23780	709	25	High	0.01	0.213	20.73	21.40	1.167	0.249	/
	State4		Right Cheek	0	23780	709	25	High	0.16	0.365	20.73	21.40	1.167	0.426	/
	State4		Right Tilt	0	23780	709	25	High	-0.02	0.341	20.73	21.40	1.167	0.398	/
Ant.0	State2&4	QPSK	Left Cheek	0	23780	709	1	Mid	0.07	0.110	23.85	24.60	1.189	0.131	/
	State2&4		Left Tilt	0	23780	709	1	Mid	-0.14	0.054	23.85	24.60	1.189	0.064	/
	State2&4		Right Cheek	0	23780	709	1	Mid	0.19	0.084	23.85	24.60	1.189	0.100	/
	State2&4		Right Tilt	0	23780	709	1	Mid	-0.01	0.020	23.85	24.60	1.189	0.024	/
	State2&4		Left Cheek	0	23780	709	25	High	-0.19	0.086	22.79	23.60	1.205	0.104	/
	State2&4		Left Tilt	0	23780	709	25	High	0.17	0.045	22.79	23.60	1.205	0.054	/
	State2&4		Right Cheek	0	23780	709	25	High	0.19	0.065	22.79	23.60	1.205	0.078	/
	State2&4		Right Tilt	0	23780	709	25	High	0.16	0.018	22.79	23.60	1.205	0.022	/
Body-worn															
Ant.1	State1&3	QPSK	Front Side	15	23780	709	1	High	0.18	0.135	23.70	24.40	1.175	0.159	/
	State1&3		Back Side	15	23780	709	1	High	0.04	0.147	23.70	24.40	1.175	0.173	/
	State1&3		Front Side	15	23780	709	25	High	0.16	0.107	22.57	23.40	1.211	0.130	/
	State1&3		Back Side	15	23780	709	25	High	0.13	0.116	22.57	23.40	1.211	0.140	/
Ant.0	State1&3	QPSK	Front Side	15	23780	709	1	Mid	-0.03	0.132	23.85	24.60	1.189	0.157	/
	State1&3		Back Side	15	23780	709	1	Mid	-0.06	0.176	23.85	24.60	1.189	0.209	38#
	State1&3		Front Side	15	23780	709	25	High	-0.02	0.108	22.79	23.60	1.205	0.130	/
	State1&3		Back Side	15	23780	709	25	High	-0.18	0.154	22.79	23.60	1.205	0.186	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	23780	709	1	High	0.01	0.091	23.70	24.40	1.175	0.107	/
	State3		Back Side	10	23780	709	1	High	-0.09	0.101	23.70	24.40	1.175	0.119	/

	State3		Right Edge	10	23780	709	1	High	-0.14	0.115	23.70	24.40	1.175	0.135	/
	State3		Top Edge	10	23780	709	1	High	0.16	0.134	23.70	24.40	1.175	0.157	/
	State3		Front Side	10	23780	709	25	High	-0.01	0.072	22.57	23.40	1.211	0.087	/
	State3		Back Side	10	23780	709	25	High	0.01	0.085	22.57	23.40	1.211	0.103	/
	State3		Right Edge	10	23780	709	25	High	-0.15	0.093	22.57	23.40	1.211	0.113	/
	State3		Top Edge	10	23780	709	25	High	-0.16	0.106	22.57	23.40	1.211	0.128	/
Ant.0	State3	QPSK	Front Side	10	23780	709	1	Mid	0.03	0.083	23.85	24.60	1.189	0.099	/
	State3		Back Side	10	23780	709	1	Mid	-0.09	0.184	23.85	24.60	1.189	0.219	39#
	State3		Left Edge	10	23780	709	1	Mid	0.01	0.076	23.85	24.60	1.189	0.090	/
	State3		Right Edge	10	23780	709	1	Mid	0.05	0.168	23.85	24.60	1.189	0.200	/
	State3		Bottom Edge	10	23780	709	1	Mid	0.15	0.086	23.85	24.60	1.189	0.102	/
	State3		Front Side	10	23780	709	25	High	0.06	0.071	22.79	23.60	1.205	0.086	/
	State3		Back Side	10	23780	709	25	High	-0.12	0.153	22.79	23.60	1.205	0.184	/
	State3		Left Edge	10	23780	709	25	High	-0.07	0.062	22.79	23.60	1.205	0.075	/
	State3		Right Edge	10	23780	709	25	High	-0.13	0.137	22.79	23.60	1.205	0.165	/
	State3		Bottom Edge	10	23780	709	25	High	0.03	0.071	22.79	23.60	1.205	0.086	/

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

11.14 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2	QPSK	Left Cheek	0	26965	841.5	1	Mid	-0.17	0.465	20.64	21.60	1.247	0.580	/
	State2		Left Tilt	0	26965	841.5	1	Mid	0.02	0.443	20.64	21.60	1.247	0.552	/
	State2		Right Cheek	0	26965	841.5	1	Mid	-0.12	0.634	20.64	21.60	1.247	0.791	40#
	State2		Right Tilt	0	26965	841.5	1	Mid	-0.14	0.611	20.64	21.60	1.247	0.762	/
	State2		Left Cheek	0	26965	841.5	36	High	-0.09	0.453	20.65	21.60	1.245	0.564	/
	State2		Left Tilt	0	26965	841.5	36	High	0.02	0.424	20.65	21.60	1.245	0.528	/
	State2		Right Cheek	0	26965	841.5	36	High	0.01	0.623	20.65	21.60	1.245	0.776	/
	State2		Right Tilt	0	26965	841.5	36	High	0.08	0.585	20.65	21.60	1.245	0.728	/
Ant.1	State4	QPSK	Left Cheek	0	26965	841.5	1	Low	-0.18	0.401	20.16	21.10	1.242	0.498	/
	State4		Left Tilt	0	26965	841.5	1	Low	0.06	0.385	20.16	21.10	1.242	0.478	/
	State4		Right Cheek	0	26965	841.5	1	Low	-0.02	0.554	20.16	21.10	1.242	0.688	/
	State4		Right Tilt	0	26965	841.5	1	Low	0.14	0.532	20.16	21.10	1.242	0.661	/
	State4		Left Cheek	0	26965	841.5	36	High	0.13	0.412	20.17	21.10	1.239	0.510	/
	State4		Left Tilt	0	26965	841.5	36	High	-0.13	0.365	20.17	21.10	1.239	0.452	/
	State4		Right Cheek	0	26965	841.5	36	High	-0.02	0.543	20.17	21.10	1.239	0.673	/
	State4		Right Tilt	0	26965	841.5	36	High	0.09	0.511	20.17	21.10	1.239	0.633	/
Ant.1	State2	QPSK (ENDC)	Left Cheek	0	26965	841.5	1	High	0.06	0.165	18.03	18.40	1.089	0.180	/
	State2		Left Tilt	0	26965	841.5	1	High	0.17	0.173	18.03	18.40	1.089	0.188	/
	State2		Right Cheek	0	26965	841.5	1	High	0.16	0.236	18.03	18.40	1.089	0.257	/
	State2		Right Tilt	0	26965	841.5	1	High	0.16	0.228	18.03	18.40	1.089	0.248	/
	State2		Left Cheek	0	26965	841.5	36	Low	0.14	0.192	18.03	18.40	1.089	0.209	/
	State2		Left Tilt	0	26965	841.5	36	Low	0.17	0.171	18.03	18.40	1.089	0.186	/
	State2		Right Cheek	0	26965	841.5	36	Low	0.13	0.256	18.03	18.40	1.089	0.279	/
	State2		Right Tilt	0	26965	841.5	36	Low	-0.19	0.243	18.03	18.40	1.089	0.265	/
Ant.1	State4	QPSK (ENDC)	Left Cheek	0	26965	841.5	1	High	-0.10	0.134	17.57	17.90	1.079	0.145	/
	State4		Left Tilt	0	26965	841.5	1	High	-0.09	0.145	17.57	17.90	1.079	0.156	/
	State4		Right Cheek	0	26965	841.5	1	High	-0.11	0.206	17.57	17.90	1.079	0.222	/
	State4		Right Tilt	0	26965	841.5	1	High	-0.16	0.213	17.57	17.90	1.079	0.230	/
	State4		Left Cheek	0	26965	841.5	36	High	0.10	0.162	17.67	17.90	1.054	0.171	/
	State4		Left Tilt	0	26965	841.5	36	High	-0.14	0.144	17.67	17.90	1.054	0.152	/
	State4		Right Cheek	0	26965	841.5	36	High	-0.15	0.231	17.67	17.90	1.054	0.243	/
	State4		Right Tilt	0	26965	841.5	36	High	-0.06	0.225	17.67	17.90	1.054	0.237	/
Ant.0	State2&4	QPSK	Left Cheek	0	26965	841.5	1	Mid	0.03	0.220	23.86	24.80	1.242	0.273	/
	State2&4		Left Tilt	0	26965	841.5	1	Mid	-0.02	0.129	23.86	24.80	1.242	0.160	/
	State2&4		Right Cheek	0	26965	841.5	1	Mid	0.00	0.187	23.86	24.80	1.242	0.232	/
	State2&4		Right Tilt	0	26965	841.5	1	Mid	0.00	0.081	23.86	24.80	1.242	0.101	/

	State2&4		Left Cheek	0	26965	841.5	36	High	0.06	0.183	22.87	23.80	1.239	0.227	/
	State2&4		Left Tilt	0	26965	841.5	36	High	-0.16	0.106	22.87	23.80	1.239	0.131	/
	State2&4		Right Cheek	0	26965	841.5	36	High	0.04	0.147	22.87	23.80	1.239	0.182	/
	State2&4		Right Tilt	0	26965	841.5	36	High	-0.02	0.086	22.87	23.80	1.239	0.107	/
Ant.0	State2&4	ENDC	Left Cheek	0	26965	841.5	1	High	0.09	0.163	24.48	24.60	1.028	0.168	/
	State2&4		Left Tilt	0	26965	841.5	1	High	0.16	0.112	24.48	24.60	1.028	0.115	/
	State2&4		Right Cheek	0	26965	841.5	1	High	0.06	0.134	24.48	24.60	1.028	0.138	/
	State2&4		Right Tilt	0	26965	841.5	1	High	-0.11	0.062	24.48	24.60	1.028	0.064	/
	State2&4		Left Cheek	0	26965	841.5	36	Low	-0.18	0.137	23.57	23.60	1.007	0.138	/
	State2&4		Left Tilt	0	26965	841.5	36	Low	0.05	0.082	23.57	23.60	1.007	0.083	/
	State2&4		Right Cheek	0	26965	841.5	36	Low	0.00	0.106	23.57	23.60	1.007	0.107	/
	State2&4		Right Tilt	0	26965	841.5	36	Low	0.18	0.063	23.57	23.60	1.007	0.063	/
Body-worn															
Ant.1	State1&3	QPSK	Front Side	15	26965	841.5	1	High	-0.04	0.113	23.66	24.60	1.242	0.140	/
	State1&3		Back Side	15	26965	841.5	1	High	0.02	0.133	23.66	24.60	1.242	0.165	/
	State1&3		Front Side	15	26965	841.5	36	High	0.00	0.112	22.70	23.60	1.230	0.138	/
	State1&3		Back Side	15	26965	841.5	36	High	0.16	0.131	22.70	23.60	1.230	0.161	/
Ant.1	State1&3	ENDC	Front Side	15	26965	841.5	1	High	0.14	0.085	24.13	24.40	1.064	0.090	/
	State1&3		Back Side	15	26965	841.5	1	High	-0.05	0.101	24.13	24.40	1.064	0.107	/
	State1&3		Front Side	15	26965	841.5	36	High	0.07	0.084	23.35	23.40	1.012	0.085	/
	State1&3		Back Side	15	26965	841.5	36	High	0.08	0.098	23.35	23.40	1.012	0.099	/
Ant.0	State1&3	QPSK	Front Side	15	26965	841.5	1	Mid	-0.16	0.121	23.86	24.80	1.242	0.150	/
	State1&3		Back Side	15	26965	841.5	1	Mid	-0.04	0.155	23.86	24.80	1.242	0.193	41#
	State1&3		Front Side	15	26965	841.5	36	High	0.00	0.095	22.87	23.80	1.239	0.118	/
	State1&3		Back Side	15	26965	841.5	36	High	-0.13	0.125	22.87	23.80	1.239	0.155	/
Ant.0	State1&3	ENDC	Front Side	15	26965	841.5	1	High	0.04	0.092	24.48	24.60	1.028	0.095	/
	State1&3		Back Side	15	26965	841.5	1	High	0.09	0.113	24.48	24.60	1.028	0.116	/
	State1&3		Front Side	15	26965	841.5	36	Low	0.09	0.072	23.57	23.60	1.007	0.073	/
	State1&3		Back Side	15	26965	841.5	36	Low	0.02	0.096	23.57	23.60	1.007	0.097	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	26965	841.5	1	High	-0.13	0.106	23.66	24.60	1.242	0.132	/
	State3		Back Side	10	26965	841.5	1	High	0.16	0.165	23.66	24.60	1.242	0.205	/
	State3		Right Edge	10	26965	841.5	1	High	0.04	0.083	23.66	24.60	1.242	0.103	/
	State3		Top Edge	10	26965	841.5	1	High	0.19	0.195	23.66	24.60	1.242	0.242	/
	State3		Front Side	10	26965	841.5	36	High	-0.18	0.141	22.70	23.60	1.230	0.173	/
	State3		Back Side	10	26965	841.5	36	High	-0.04	0.183	22.70	23.60	1.230	0.225	/
	State3		Right Edge	10	26965	841.5	36	High	-0.17	0.062	22.70	23.60	1.230	0.076	/
	State3		Top Edge	10	26965	841.5	36	High	-0.10	0.149	22.70	23.60	1.230	0.183	/
Ant.1	State3	ENDC	Front Side	10	26965	841.5	1	High	0.15	0.082	24.13	24.40	1.064	0.087	/
	State3		Back Side	10	26965	841.5	1	High	0.03	0.125	24.13	24.40	1.064	0.133	/
	State3		Right Edge	10	26965	841.5	1	High	0.05	0.062	24.13	24.40	1.064	0.066	/
	State3		Top Edge	10	26965	841.5	1	High	0.10	0.143	24.13	24.40	1.064	0.152	/
	State3		Front Side	10	26965	841.5	36	High	0.01	0.108	23.35	23.40	1.012	0.109	/

	State3		Back Side	10	26965	841.5	36	High	0.05	0.134	23.35	23.40	1.012	0.136	/
	State3		Right Edge	10	26965	841.5	36	High	0.18	0.046	23.35	23.40	1.012	0.047	/
	State3		Top Edge	10	26965	841.5	36	High	0.08	0.109	23.35	23.40	1.012	0.110	/
Ant.0	State3	QPSK	Front Side	10	26965	841.5	1	Mid	-0.10	0.117	23.86	24.80	1.242	0.145	/
	State3		Back Side	10	26965	841.5	1	Mid	-0.07	0.257	23.86	24.80	1.242	0.319	42#
	State3		Left Edge	10	26965	841.5	1	Mid	-0.01	0.072	23.86	24.80	1.242	0.089	/
	State3		Right Edge	10	26965	841.5	1	Mid	-0.15	0.185	23.86	24.80	1.242	0.230	/
	State3		Bottom Edge	10	26965	841.5	1	Mid	-0.12	0.152	23.86	24.80	1.242	0.189	/
	State3		Front Side	10	26965	841.5	36	High	-0.11	0.093	22.87	23.80	1.239	0.115	/
	State3		Back Side	10	26965	841.5	36	High	0.00	0.174	22.87	23.80	1.239	0.216	/
	State3		Left Edge	10	26965	841.5	36	High	-0.14	0.062	22.87	23.80	1.239	0.077	/
	State3		Right Edge	10	26965	841.5	36	High	-0.05	0.141	22.87	23.80	1.239	0.175	/
	State3		Bottom Edge	10	26965	841.5	36	High	-0.13	0.122	22.87	23.80	1.239	0.151	/
	State3														
Ant.0	State3	ENDC	Front Side	10	26965	841.5	1	High	0.14	0.089	24.48	24.60	1.028	0.091	/
	State3		Back Side	10	26965	841.5	1	High	0.11	0.216	24.48	24.60	1.028	0.222	/
	State3		Left Edge	10	26965	841.5	1	High	0.19	0.061	24.48	24.60	1.028	0.063	/
	State3		Right Edge	10	26965	841.5	1	High	-0.10	0.132	24.48	24.60	1.028	0.136	/
	State3		Bottom Edge	10	26965	841.5	1	High	-0.17	0.134	24.48	24.60	1.028	0.138	/
	State3		Front Side	10	26965	841.5	36	Low	-0.06	0.075	23.57	23.60	1.007	0.076	/
	State3		Back Side	10	26965	841.5	36	Low	0.10	0.147	23.57	23.60	1.007	0.148	/
	State3		Left Edge	10	26965	841.5	36	Low	-0.06	0.041	23.57	23.60	1.007	0.041	/
	State3		Right Edge	10	26965	841.5	36	Low	-0.01	0.121	23.57	23.60	1.007	0.122	/
	State3		Bottom Edge	10	26965	841.5	36	Low	0.10	0.093	23.57	23.60	1.007	0.094	/
	State3														

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

11.15 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2&4	QPSK	Left Cheek	0	132322	1745	1	Mid	0.11	0.352	18.40	18.80	1.096	0.386	/
	State2&4		Left Tilt	0	132322	1745	1	Mid	-0.19	0.445	18.40	18.80	1.096	0.488	/
	State2&4		Right Cheek	0	132322	1745	1	Mid	-0.15	0.623	18.40	18.80	1.096	0.683	/
	State2&4		Right Tilt	0	132322	1745	1	Mid	0.17	0.711	18.40	18.80	1.096	0.779	/
	State2&4		Left Cheek	0	132322	1745	50	Mid	0.16	0.345	18.38	18.80	1.102	0.380	/
	State2&4		Left Tilt	0	132322	1745	50	Mid	0.02	0.434	18.38	18.80	1.102	0.478	/
	State2&4		Right Cheek	0	132322	1745	50	Mid	0.07	0.628	18.38	18.80	1.102	0.692	/
	State2&4		Right Tilt	0	132322	1745	50	Mid	-0.19	0.720	18.38	18.80	1.102	0.793	43#
Ant.1	State2	QPSK (ENDC)	Left Cheek	0	132322	1745	1	Mid	-0.14	0.165	14.74	14.80	1.014	0.167	/
	State2		Left Tilt	0	132322	1745	1	Mid	-0.15	0.187	14.74	14.80	1.014	0.190	/
	State2		Right Cheek	0	132322	1745	1	Mid	-0.16	0.263	14.74	14.80	1.014	0.267	/
	State2		Right Tilt	0	132322	1745	1	Mid	0.02	0.306	14.74	14.80	1.014	0.310	/
	State2		Left Cheek	0	132322	1745	50	Mid	0.06	0.144	14.78	14.80	1.005	0.145	/
	State2		Left Tilt	0	132322	1745	50	Mid	-0.13	0.185	14.78	14.80	1.005	0.186	/
	State2		Right Cheek	0	132322	1745	50	Mid	0.12	0.274	14.78	14.80	1.005	0.275	/
	State2		Right Tilt	0	132322	1745	50	Mid	-0.13	0.316	14.78	14.80	1.005	0.318	/
Ant.1	State4	QPSK (ENDC)	Left Cheek	0	132322	1745	1	High	-0.01	0.134	14.28	14.30	1.005	0.135	/
	State4		Left Tilt	0	132322	1745	1	High	0.14	0.155	14.28	14.30	1.005	0.156	/
	State4		Right Cheek	0	132322	1745	1	High	-0.17	0.247	14.28	14.30	1.005	0.248	/
	State4		Right Tilt	0	132322	1745	1	High	0.09	0.263	14.28	14.30	1.005	0.264	/
	State4		Left Cheek	0	132322	1745	50	Low	-0.05	0.132	14.21	14.30	1.021	0.135	/
	State4		Left Tilt	0	132322	1745	50	Low	-0.01	0.159	14.21	14.30	1.021	0.162	/
	State4		Right Cheek	0	132322	1745	50	Low	0.17	0.234	14.21	14.30	1.021	0.239	/
	State4		Right Tilt	0	132322	1745	50	Low	-0.16	0.271	14.21	14.30	1.021	0.277	/
Ant.4	State2&4	QPSK	Left Cheek	0	132072	1720	1	Mid	0.15	0.079	22.72	23.30	1.143	0.090	/
	State2&4		Left Tilt	0	132072	1720	1	Mid	0.02	0.069	22.72	23.30	1.143	0.079	/
	State2&4		Right Cheek	0	132072	1720	1	Mid	0.17	0.150	22.72	23.30	1.143	0.171	/
	State2&4		Right Tilt	0	132072	1720	1	Mid	-0.07	0.060	22.72	23.30	1.143	0.069	/
	State2&4		Left Cheek	0	132072	1720	50	Mid	-0.18	0.063	21.76	22.30	1.132	0.071	/
	State2&4		Left Tilt	0	132072	1720	50	Mid	-0.14	0.057	21.76	22.30	1.132	0.065	/
	State2&4		Right Cheek	0	132072	1720	50	Mid	-0.08	0.125	21.76	22.30	1.132	0.142	/
	State2&4		Right Tilt	0	132072	1720	50	Mid	-0.06	0.046	21.76	22.30	1.132	0.052	/
Ant.4	State2&4	QPSK (ENDC)	Left Cheek	0	132072	1720	1	Mid	-0.07	0.065	22.11	22.30	1.045	0.068	/
	State2&4		Left Tilt	0	132072	1720	1	Mid	0.16	0.063	22.11	22.30	1.045	0.066	/
	State2&4		Right Cheek	0	132072	1720	1	Mid	0.13	0.138	22.11	22.30	1.045	0.144	/
	State2&4		Right Tilt	0	132072	1720	1	Mid	0.02	0.054	22.11	22.30	1.045	0.056	/

	State2&4		Left Cheek	0	132072	1720	50	High	-0.10	0.052	21.27	21.30	1.007	0.052	/
	State2&4		Left Tilt	0	132072	1720	50	High	-0.07	0.048	21.27	21.30	1.007	0.048	/
	State2&4		Right Cheek	0	132072	1720	50	High	0.00	0.106	21.27	21.30	1.007	0.107	/
	State2&4		Right Tilt	0	132072	1720	50	High	-0.09	0.038	21.27	21.30	1.007	0.038	/
Ant.0	State2&4	QPSK	Left Cheek	0	132072	1720	1	Mid	-0.15	0.059	23.58	24.30	1.180	0.070	/
	State2&4		Left Tilt	0	132072	1720	1	Mid	-0.15	0.011	23.58	24.30	1.180	0.013	/
	State2&4		Right Cheek	0	132072	1720	1	Mid	0.04	0.021	23.58	24.30	1.180	0.025	/
	State2&4		Right Tilt	0	132072	1720	1	Mid	-0.10	0.040	23.58	24.30	1.180	0.047	/
	State2&4		Left Cheek	0	132072	1720	50	Mid	-0.13	0.042	22.57	23.30	1.183	0.050	/
	State2&4		Left Tilt	0	132072	1720	50	Mid	-0.14	0.008	22.57	23.30	1.183	0.009	/
	State2&4		Right Cheek	0	132072	1720	50	Mid	-0.18	0.015	22.57	23.30	1.183	0.018	/
	State2&4		Right Tilt	0	132072	1720	50	Mid	-0.16	0.034	22.57	23.30	1.183	0.040	/
Ant.0 (ENDC)	State2&4	QPSK	Left Cheek	0	132072	1720	1	High	0.11	0.041	23.06	23.30	1.057	0.043	/
	State2&4		Left Tilt	0	132072	1720	1	High	0.00	0.007	23.06	23.30	1.057	0.007	/
	State2&4		Right Cheek	0	132072	1720	1	High	0.09	0.015	23.06	23.30	1.057	0.016	/
	State2&4		Right Tilt	0	132072	1720	1	High	0.18	0.030	23.06	23.30	1.057	0.032	/
	State2&4		Left Cheek	0	132072	1720	50	High	-0.03	0.035	22.30	22.30	1.000	0.035	/
	State2&4		Left Tilt	0	132072	1720	50	High	-0.10	0.004	22.30	22.30	1.000	0.004	/
	State2&4		Right Cheek	0	132072	1720	50	High	-0.13	0.015	22.30	22.30	1.000	0.015	/
	State2&4		Right Tilt	0	132072	1720	50	High	0.14	0.029	22.30	22.30	1.000	0.029	/
Body-worn															
Ant.1	State1	QPSK	Front Side	15	132322	1745	1	High	0.08	0.130	21.28	21.80	1.127	0.147	/
	State1		Back Side	15	132322	1745	1	High	0.18	0.139	21.28	21.80	1.127	0.157	/
	State1		Front Side	15	132322	1745	50	Low	0.12	0.135	21.21	21.80	1.146	0.155	/
	State1		Back Side	15	132322	1745	50	Low	-0.07	0.141	21.21	21.80	1.146	0.162	/
Ant.1	State3	QPSK	Front Side	15	132322	1745	1	High	0.16	0.104	20.87	21.30	1.104	0.115	/
	State3		Back Side	15	132322	1745	1	High	0.03	0.118	20.87	21.30	1.104	0.130	/
	State3		Front Side	15	132322	1745	50	Mid	-0.19	0.113	20.80	21.30	1.122	0.127	/
	State3		Back Side	15	132322	1745	50	Mid	0.06	0.121	20.80	21.30	1.122	0.136	/
Ant.1	State1	QPSK (ENDC)	Front Side	15	132322	1745	1	Mid	0.15	0.061	18.40	18.80	1.096	0.067	/
	State1		Back Side	15	132322	1745	1	Mid	0.11	0.073	18.40	18.80	1.096	0.080	/
	State1		Front Side	15	132322	1745	50	Mid	-0.12	0.068	18.33	18.80	1.114	0.076	/
	State1		Back Side	15	132322	1745	50	Mid	-0.13	0.071	18.33	18.80	1.114	0.079	/
Ant.1	State3	QPSK (ENDC)	Front Side	15	132322	1745	1	Mid	0.11	0.052	17.84	18.30	1.112	0.058	/
	State3		Back Side	15	132322	1745	1	Mid	-0.05	0.068	17.84	18.30	1.112	0.076	/
	State3		Front Side	15	132322	1745	50	Low	0.18	0.063	18.11	18.30	1.045	0.066	/
	State3		Back Side	15	132322	1745	50	Low	-0.02	0.069	18.11	18.30	1.045	0.072	/
Ant.4	State1&3	QPSK	Front Side	15	132072	1720	1	Mid	-0.13	0.011	22.72	23.30	1.143	0.013	/
	State1&3		Back Side	15	132072	1720	1	Mid	-0.15	0.023	22.72	23.30	1.143	0.026	/
	State1&3		Front Side	15	132072	1720	50	Mid	0.13	0.013	21.76	22.30	1.132	0.015	/
	State1&3		Back Side	15	132072	1720	50	Mid	-0.17	0.026	21.76	22.30	1.132	0.029	/
Ant.4	State1&3	QPSK	Front Side	15	132322	1745	1	Mid	-0.15	0.010	22.11	22.30	1.045	0.010	/
	State1&3	(ENDC)	Back Side	15	132322	1745	1	Mid	-0.16	0.022	22.11	22.30	1.045	0.023	/

	State1&3		Front Side	15	132322	1745	50	High	-0.03	0.011	21.27	21.30	1.007	0.011	/
	State1&3		Back Side	15	132322	1745	50	High	0.00	0.021	21.27	21.30	1.007	0.021	/
Ant.0	State1	QPSK	Front Side	15	132322	1745	1	Mid	0.07	0.136	21.14	21.80	1.164	0.158	/
	State1		Back Side	15	132322	1745	1	Mid	-0.10	0.231	21.14	21.80	1.164	0.269	44#
	State1		Front Side	15	132322	1745	50	Mid	0.15	0.124	21.13	21.80	1.167	0.145	/
	State1		Back Side	15	132322	1745	50	Mid	0.05	0.228	21.13	21.80	1.167	0.266	/
Ant.0	State3	QPSK	Front Side	15	132322	1745	1	Mid	0.00	0.116	20.63	21.30	1.167	0.135	/
	State3		Back Side	15	132322	1745	1	Mid	0.01	0.189	20.63	21.30	1.167	0.221	/
	State3		Front Side	15	132322	1745	50	Mid	0.01	0.101	20.64	21.30	1.164	0.118	/
	State3		Back Side	15	132322	1745	50	Mid	-0.12	0.195	20.64	21.30	1.164	0.227	/
Ant.0	State1	QPSK (ENDC)	Front Side	15	132322	1745	1	Mid	-0.17	0.055	17.50	17.80	1.072	0.059	/
	State1		Back Side	15	132322	1745	1	Mid	0.14	0.097	17.50	17.80	1.072	0.104	/
	State1		Front Side	15	132322	1745	50	Mid	0.09	0.053	17.57	17.80	1.054	0.056	/
	State1		Back Side	15	132322	1745	50	Mid	0.19	0.102	17.57	17.80	1.054	0.108	/
Ant.0	State3	QPSK (ENDC)	Front Side	15	132322	1745	1	High	-0.05	0.044	17.02	17.30	1.067	0.047	/
	State3		Back Side	15	132322	1745	1	High	0.17	0.083	17.02	17.30	1.067	0.089	/
	State3		Front Side	15	132322	1745	50	Mid	0.19	0.041	17.19	17.30	1.026	0.042	/
	State3		Back Side	15	132322	1745	50	Mid	-0.16	0.085	17.19	17.30	1.026	0.087	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	132322	1745	1	High	-0.16	0.248	20.87	21.30	1.104	0.274	/
	State3		Back Side	10	132322	1745	1	High	0.07	0.249	20.87	21.30	1.104	0.275	/
	State3		Right Edge	10	132322	1745	1	High	-0.15	0.063	20.87	21.30	1.104	0.070	/
	State3		Top Edge	10	132322	1745	1	High	-0.02	0.418	20.87	21.30	1.104	0.461	/
	State3		Front Side	10	132322	1745	50	Mid	-0.18	0.244	20.80	21.30	1.122	0.274	/
	State3		Back Side	10	132322	1745	50	Mid	-0.07	0.256	20.80	21.30	1.122	0.287	/
	State3		Right Edge	10	132322	1745	50	Mid	0.08	0.064	20.80	21.30	1.122	0.072	/
	State3		Top Edge	10	132322	1745	50	Mid	0.15	0.435	20.80	21.30	1.122	0.488	/
Ant.1	State3	QPSK (ENDC)	Front Side	10	132322	1745	1	Mid	0.04	0.145	17.84	18.30	1.112	0.161	/
	State3		Back Side	10	132322	1745	1	Mid	-0.18	0.153	17.84	18.30	1.112	0.170	/
	State3		Right Edge	10	132322	1745	1	Mid	0.13	0.031	17.84	18.30	1.112	0.034	/
	State3		Top Edge	10	132322	1745	1	Mid	-0.18	0.244	17.84	18.30	1.112	0.271	/
	State3		Front Side	10	132322	1745	50	Low	0.15	0.141	18.11	18.30	1.045	0.147	/
	State3		Back Side	10	132322	1745	50	Low	0.04	0.152	18.11	18.30	1.045	0.159	/
	State3		Right Edge	10	132322	1745	50	Low	0.06	0.032	18.11	18.30	1.045	0.033	/
	State3		Top Edge	10	132322	1745	50	Low	-0.12	0.253	18.11	18.30	1.045	0.264	/
Ant.4	State3	QPSK	Front Side	10	132072	1720	1	Mid	-0.02	0.023	22.72	23.30	1.143	0.026	/
	State3		Back Side	10	132072	1720	1	Mid	0.16	0.067	22.72	23.30	1.143	0.077	/
	State3		Right Edge	10	132072	1720	1	Mid	-0.01	0.044	22.72	23.30	1.143	0.050	/
	State3		Top Edge	10	132072	1720	1	Mid	-0.18	0.013	22.72	23.30	1.143	0.015	/
	State3		Front Side	10	132072	1720	50	Mid	-0.16	0.021	21.76	22.30	1.132	0.024	/
	State3		Back Side	10	132072	1720	50	Mid	-0.17	0.053	21.76	22.30	1.132	0.060	/
	State3		Right Edge	10	132072	1720	50	Mid	0.07	0.042	21.76	22.30	1.132	0.048	/
	State3		Top Edge	10	132072	1720	50	Mid	-0.01	0.011	21.76	22.30	1.132	0.012	/

Ant.4	State3	QPSK (ENDC)	Front Side	10	132322	1745	1	Mid	0.08	0.018	22.11	22.30	1.045	0.019	/
	State3		Back Side	10	132322	1745	1	Mid	0.02	0.055	22.11	22.30	1.045	0.057	/
	State3		Right Edge	10	132322	1745	1	Mid	0.02	0.032	22.11	22.30	1.045	0.033	/
	State3		Top Edge	10	132322	1745	1	Mid	-0.15	0.011	22.11	22.30	1.045	0.011	/
	State3		Front Side	10	132322	1745	50	High	-0.17	0.017	21.27	21.30	1.007	0.017	/
	State3		Back Side	10	132322	1745	50	High	0.15	0.043	21.27	21.30	1.007	0.043	/
	State3		Right Edge	10	132322	1745	50	High	0.11	0.038	21.27	21.30	1.007	0.038	/
	State3		Top Edge	10	132322	1745	50	High	-0.09	0.012	21.27	21.30	1.007	0.012	/
Ant.0	State3	QPSK	Front Side	10	132322	1745	1	Mid	-0.10	0.185	20.63	21.30	1.167	0.216	/
	State3		Back Side	10	132322	1745	1	Mid	-0.04	0.354	20.63	21.30	1.167	0.413	/
	State3		Left Edge	10	132322	1745	1	Mid	-0.04	0.106	20.63	21.30	1.167	0.124	/
	State3		Right Edge	10	132322	1745	1	Mid	-0.03	0.049	20.63	21.30	1.167	0.057	/
	State3		Bottom Edge	10	132322	1745	1	Mid	0.02	0.551	20.63	21.30	1.167	0.643	45#
	State3		Front Side	10	132322	1745	50	Mid	0.18	0.211	20.64	21.30	1.164	0.246	/
	State3		Back Side	10	132322	1745	50	Mid	-0.05	0.363	20.64	21.30	1.164	0.423	/
	State3		Left Edge	10	132322	1745	50	Mid	-0.06	0.115	20.64	21.30	1.164	0.134	/
	State3		Right Edge	10	132322	1745	50	Mid	0.01	0.051	20.64	21.30	1.164	0.059	/
	State3		Bottom Edge	10	132322	1745	50	Mid	-0.19	0.541	20.64	21.30	1.164	0.630	/
Ant.0	State3	QPSK (ENDC)	Front Side	10	132322	1745	1	High	0.17	0.081	17.02	17.30	1.067	0.086	/
	State3		Back Side	10	132322	1745	1	High	0.04	0.144	17.02	17.30	1.067	0.154	/
	State3		Left Edge	10	132322	1745	1	High	0.07	0.042	17.02	17.30	1.067	0.045	/
	State3		Right Edge	10	132322	1745	1	High	0.19	0.025	17.02	17.30	1.067	0.027	/
	State3		Bottom Edge	10	132322	1745	1	High	0.09	0.234	17.02	17.30	1.067	0.250	/
	State3		Front Side	10	132322	1745	50	Mid	-0.10	0.091	17.19	17.30	1.026	0.093	/
	State3		Back Side	10	132322	1745	50	Mid	-0.19	0.153	17.19	17.30	1.026	0.157	/
	State3		Left Edge	10	132322	1745	50	Mid	-0.06	0.042	17.19	17.30	1.026	0.043	/
	State3		Right Edge	10	132322	1745	50	Mid	0.08	0.023	17.19	17.30	1.026	0.024	/
	State3		Bottom Edge	10	132322	1745	50	Mid	0.07	0.238	17.19	17.30	1.026	0.244	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.0	State3	QPSK	Bottom Edge	0	132322	1745	1	Mid	-0.01	1.220	20.63	21.30	1.167	1.424	46#
	State3		Bottom Edge	0	132322	1745	50	Mid	0.03	1.180	20.64	21.30	1.164	1.374	/

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

11.16 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2	QPSK	Left Cheek	0	38000	2595	1	Mid	-0.16	0.192	19.34	19.80	1.112	0.214	/
	State2		Left Tilt	0	38000	2595	1	Mid	-0.11	0.233	19.34	19.80	1.112	0.259	/
	State2		Right Cheek	0	38000	2595	1	Mid	-0.14	0.537	19.34	19.80	1.112	0.597	/
	State2		Right Tilt	0	38000	2595	1	Mid	0.03	0.682	19.34	19.80	1.112	0.758	47#
	State2		Left Cheek	0	38000	2595	50	Mid	0.10	0.191	19.31	19.80	1.119	0.214	/
	State2		Left Tilt	0	38000	2595	50	Mid	-0.09	0.229	19.31	19.80	1.119	0.256	/
	State2		Right Cheek	0	38000	2595	50	Mid	0.14	0.526	19.31	19.80	1.119	0.589	/
	State2		Right Tilt	0	38000	2595	50	Mid	-0.04	0.626	19.31	19.80	1.119	0.700	/
	State4	QPSK	Left Cheek	0	38000	2595	1	Mid	0.07	0.165	18.73	19.30	1.140	0.188	/
	State4		Left Tilt	0	38000	2595	1	Mid	-0.01	0.211	18.73	19.30	1.140	0.241	/
	State4		Right Cheek	0	38000	2595	1	Mid	0.16	0.484	18.73	19.30	1.140	0.552	/
	State4		Right Tilt	0	38000	2595	1	Mid	0.09	0.611	18.73	19.30	1.140	0.697	/
	State4		Left Cheek	0	38000	2595	50	Mid	-0.01	0.162	18.71	19.30	1.146	0.186	/
	State4		Left Tilt	0	38000	2595	50	Mid	0.09	0.195	18.71	19.30	1.146	0.223	/
	State4		Right Cheek	0	38000	2595	50	Mid	0.01	0.474	18.71	19.30	1.146	0.543	/
	State4		Right Tilt	0	38000	2595	50	Mid	-0.08	0.563	18.71	19.30	1.146	0.645	/
Ant.4	State2&4	QPSK	Left Cheek	0	38000	2595	1	Mid	-0.02	0.181	22.04	23.30	1.337	0.242	/
	State2&4		Left Tilt	0	38000	2595	1	Mid	-0.02	0.063	22.04	23.30	1.337	0.084	/
	State2&4		Right Cheek	0	38000	2595	1	Mid	0.06	0.292	22.04	23.30	1.337	0.390	/
	State2&4		Right Tilt	0	38000	2595	1	Mid	0.00	0.182	22.04	23.30	1.337	0.243	/
	State2&4		Left Cheek	0	38000	2595	50	Low	-0.11	0.144	21.01	22.30	1.346	0.194	/
	State2&4		Left Tilt	0	38000	2595	50	Low	-0.06	0.049	21.01	22.30	1.346	0.066	/
	State2&4		Right Cheek	0	38000	2595	50	Low	0.00	0.234	21.01	22.30	1.346	0.315	/
	State2&4		Right Tilt	0	38000	2595	50	Low	0.11	0.154	21.01	22.30	1.346	0.207	/
Ant.0	State2&4	QPSK	Left Cheek	0	38000	2595	1	Mid	-0.14	0.090	23.75	24.30	1.135	0.102	/
	State2&4		Left Tilt	0	38000	2595	1	Mid	-0.04	0.048	23.75	24.30	1.135	0.054	/
	State2&4		Right Cheek	0	38000	2595	1	Mid	-0.15	0.185	23.75	24.30	1.135	0.210	/
	State2&4		Right Tilt	0	38000	2595	1	Mid	0.03	0.062	23.75	24.30	1.135	0.070	/
	State2&4		Left Cheek	0	38000	2595	50	Low	0.10	0.072	22.66	23.30	1.159	0.083	/
	State2&4		Left Tilt	0	38000	2595	50	Low	0.13	0.033	22.66	23.30	1.159	0.038	/
	State2&4		Right Cheek	0	38000	2595	50	Low	0.18	0.143	22.66	23.30	1.159	0.166	/
	State2&4		Right Tilt	0	38000	2595	50	Low	-0.10	0.048	22.66	23.30	1.159	0.056	/
Body-worn															
Ant.1	State1	QPSK	Front Side	15	38000	2595	1	Mid	0.14	0.103	22.21	22.80	1.146	0.118	/
	State1		Back Side	15	38000	2595	1	Mid	0.04	0.255	22.21	22.80	1.146	0.292	48#
	State1		Front Side	15	38000	2595	50	Mid	0.01	0.120	22.21	22.80	1.146	0.138	/

	State1	QPSK	Back Side	15	38000	2595	50	Mid	-0.02	0.218	22.21	22.80	1.146	0.250	/
	State3		Front Side	15	38000	2595	1	Mid	-0.06	0.091	21.82	22.30	1.117	0.102	/
	State3		Back Side	15	38000	2595	1	Mid	0.02	0.195	21.82	22.30	1.117	0.218	/
	State3		Front Side	15	38000	2595	50	High	0.09	0.101	21.76	22.30	1.132	0.114	/
	State3		Back Side	15	38000	2595	50	High	0.12	0.184	21.76	22.30	1.132	0.208	/
Ant.4	State1&3	QPSK	Front Side	15	38000	2595	1	Mid	0.16	0.053	22.04	23.30	1.337	0.071	/
	State1&3		Back Side	15	38000	2595	1	Mid	0.04	0.175	22.04	23.30	1.337	0.234	/
	State1&3		Front Side	15	38000	2595	50	Low	0.14	0.039	21.01	22.30	1.346	0.052	/
	State1&3		Back Side	15	38000	2595	50	Low	0.17	0.138	21.01	22.30	1.346	0.186	/
Ant.0	State1&3	QPSK	Front Side	15	38000	2595	1	Mid	0.12	0.106	23.75	24.30	1.135	0.120	/
	State1&3		Back Side	15	38000	2595	1	Mid	0.14	0.123	23.75	24.30	1.135	0.140	/
	State1&3		Front Side	15	38000	2595	50	Low	-0.18	0.080	22.66	23.30	1.159	0.093	/
	State1&3		Back Side	15	38000	2595	50	Low	0.15	0.089	22.66	23.30	1.159	0.103	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	38000	2595	1	Mid	-0.02	0.288	21.82	22.30	1.117	0.322	/
	State3		Back Side	10	38000	2595	1	Mid	0.05	0.623	21.82	22.30	1.117	0.696	/
	State3		Right Edge	10	38000	2595	1	Mid	0.15	0.315	21.82	22.30	1.117	0.352	/
	State3		Top Edge	10	38000	2595	1	Mid	-0.08	0.700	21.82	22.30	1.117	0.782	49#
	State3		Front Side	10	38000	2595	50	High	0.08	0.261	21.76	22.30	1.132	0.295	/
	State3		Back Side	10	38000	2595	50	High	-0.08	0.603	21.76	22.30	1.132	0.683	/
	State3		Right Edge	10	38000	2595	50	High	-0.04	0.311	21.76	22.30	1.132	0.352	/
	State3		Top Edge	10	38000	2595	50	High	0.12	0.612	21.76	22.30	1.132	0.693	/
Ant.4	State1&3	QPSK	Front Side	10	38000	2595	1	Mid	-0.06	0.085	22.04	23.30	1.337	0.114	/
	State1&3		Back Side	10	38000	2595	1	Mid	-0.17	0.373	22.04	23.30	1.337	0.499	/
	State1&3		Right Edge	10	38000	2595	1	Mid	0.04	0.332	22.04	23.30	1.337	0.444	/
	State1&3		Top Edge	10	38000	2595	1	Mid	0.07	0.015	22.04	23.30	1.337	0.020	/
	State1&3		Front Side	10	38000	2595	50	Low	0.09	0.076	21.01	22.30	1.346	0.102	/
	State1&3		Back Side	10	38000	2595	50	Low	-0.12	0.300	21.01	22.30	1.346	0.404	/
	State1&3		Right Edge	10	38000	2595	50	Low	0.17	0.258	21.01	22.30	1.346	0.347	/
	State1&3		Top Edge	10	38000	2595	50	Low	0.01	0.013	21.01	22.30	1.346	0.017	/
Ant.0	State1&3	QPSK	Front Side	10	38000	2595	1	Mid	0.17	0.111	23.75	24.30	1.135	0.126	/
	State1&3		Back Side	10	38000	2595	1	Mid	0.14	0.130	23.75	24.30	1.135	0.148	/
	State1&3		LeftEdge	10	38000	2595	1	Mid	0.00	0.082	23.75	24.30	1.135	0.093	/
	State1&3		Right Edge	10	38000	2595	1	Mid	0.11	0.006	23.75	24.30	1.135	0.007	/
	State1&3		Bottom Edge	10	38000	2595	1	Mid	0.07	0.095	23.75	24.30	1.135	0.108	/
	State1&3		Front Side	10	38000	2595	50	Low	0.04	0.086	22.66	23.30	1.159	0.100	/
	State1&3		Back Side	10	38000	2595	50	Low	0.04	0.098	22.66	23.30	1.159	0.114	/
	State1&3		Left Edge	10	38000	2595	50	Low	-0.19	0.059	22.66	23.30	1.159	0.068	/
	State1&3		Right Edge	10	37850	2580	50	Low	0.08	0.004	22.66	23.30	1.159	0.005	/
	State1&3		Bottom Edge	10	38150	2610	50	Low	-0.08	0.075	22.66	23.30	1.159	0.087	/

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

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 Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head-CA															
Ant.1	State2	QPSK	Right Tilt	0	38099+ 37901	2604.9+ 2585.1	1+1	Low+ High	0.06	0.658	19.21	19.80	1.146	0.754	57#
Body-worn-CA															
Ant.1	State1&3	QPSK	Back Side	15	38099+ 37901	2604.9+ 2585.1	1+1	Low+ High	0.01	0.226	21.82	22.80	1.253	0.283	58#
Hotspot-CA															
Ant.1	State3	QPSK	Top Edge	10	38099+ 37901	2604.9+ 2585.1	1+1	Low+ High	0.02	0.366	21.34	22.30	1.247	0.456	59#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.18 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2	QPSK	Left Cheek	0	40620	2593	1	Mid	0.06	0.171	18.91	19.30	1.094	0.187	/
	State2		Left Tilt	0	40620	2593	1	Mid	-0.08	0.185	18.91	19.30	1.094	0.202	/
	State2		Right Cheek	0	40620	2593	1	Mid	-0.15	0.423	18.91	19.30	1.094	0.463	/
	State2		Right Tilt	0	40620	2593	1	Mid	-0.10	0.716	18.91	19.30	1.094	0.783	/
	State2		Left Cheek	0	40620	2593	50	High	-0.04	0.144	18.80	19.30	1.122	0.162	/
	State2		Left Tilt	0	40620	2593	50	High	-0.13	0.171	18.80	19.30	1.122	0.192	/
	State2		Right Cheek	0	40620	2593	50	High	0.01	0.434	18.80	19.30	1.122	0.487	/
	State2		Right Tilt	0	40620	2593	50	High	0.14	0.741	18.80	19.30	1.122	0.831	/
	State2		Right Tilt	0	39750	2506	1	Mid	0.04	0.850	18.77	19.30	1.130	0.961	/
	State2		Right Tilt	0	40185	2549.5	1	Mid	0.04	0.723	18.73	19.30	1.140	0.824	/
	State2		Right Tilt	0	41055	2636.5	1	Low	0.11	0.632	18.67	19.30	1.156	0.731	/
	State2		Right Tilt	0	41490	2680	1	Mid	0.05	0.641	18.60	19.30	1.175	0.753	/
	State2		Right Tilt	0	39750	2506	50	Mid	0.03	0.984	18.69	19.30	1.151	1.133	50#
	State2		Right Tilt	0	40185	2549.5	50	High	0.00	0.721	18.74	19.30	1.138	0.820	/
	State2		Right Tilt	0	41055	2636.5	50	High	0.02	0.648	18.66	19.30	1.159	0.751	/
	State2		Right Tilt	0	41490	2680	50	High	0.14	0.602	18.63	19.30	1.167	0.703	/
	State2		Right Tilt	0	40620	2593	100	Low	0.00	0.619	18.73	19.30	1.140	0.706	/
	State4	QPSK	Left Cheek	0	40620	2593	1	Mid	-0.15	0.144	18.38	18.80	1.102	0.159	/
	State4		Left Tilt	0	40620	2593	1	Mid	0.00	0.132	18.38	18.80	1.102	0.145	/
	State4		Right Cheek	0	40620	2593	1	Mid	0.05	0.365	18.38	18.80	1.102	0.402	/
	State4		Right Tilt	0	40620	2593	1	Mid	0.15	0.628	18.38	18.80	1.102	0.692	/
	State4		Left Cheek	0	40620	2593	50	Mid	0.00	0.116	18.22	18.80	1.143	0.133	/
	State4		Left Tilt	0	40620	2593	50	Mid	0.19	0.147	18.22	18.80	1.143	0.168	/
	State4		Right Cheek	0	40620	2593	50	Mid	0.01	0.395	18.22	18.80	1.143	0.451	/
	State4		Right Tilt	0	40620	2593	50	Mid	-0.02	0.660	18.22	18.80	1.143	0.754	/
Ant.4	State2&4	QPSK	Left Cheek	0	40620	2593	1	Mid	0.00	0.161	21.65	22.80	1.303	0.210	/
	State2&4		Left Tilt	0	40620	2593	1	Mid	0.09	0.057	21.65	22.80	1.303	0.074	/
	State2&4		Right Cheek	0	40620	2593	1	Mid	0.13	0.260	21.65	22.80	1.303	0.339	/
	State2&4		Right Tilt	0	40620	2593	1	Mid	-0.01	0.165	21.65	22.80	1.303	0.215	/
	State2&4		Left Cheek	0	40620	2593	50	Mid	0.11	0.128	20.57	21.80	1.327	0.170	/
	State2&4		Left Tilt	0	40620	2593	50	Mid	-0.01	0.048	20.57	21.80	1.327	0.064	/
	State2&4		Right Cheek	0	40620	2593	50	Mid	0.10	0.213	20.57	21.80	1.327	0.283	/
	State2&4		Right Tilt	0	40620	2593	50	Mid	-0.14	0.136	20.57	21.80	1.327	0.180	/
Ant.0	State2&4	QPSK	Left Cheek	0	40620	2593	1	Mid	0.09	0.081	23.31	23.80	1.119	0.091	/
	State2&4		Left Tilt	0	40620	2593	1	Mid	-0.06	0.044	23.31	23.80	1.119	0.049	/
	State2&4		Right Cheek	0	40620	2593	1	Mid	0.08	0.163	23.31	23.80	1.119	0.182	/

	State2&4		Right Tilt	0	40620	2593	1	Mid	0.11	0.053	23.31	23.80	1.119	0.059	/
	State2&4		Left Cheek	0	40620	2593	50	Mid	0.14	0.066	22.16	22.80	1.159	0.076	/
	State2&4		Left Tilt	0	40620	2593	50	Mid	-0.12	0.035	22.16	22.80	1.159	0.041	/
	State2&4		Right Cheek	0	40620	2593	50	Mid	-0.08	0.125	22.16	22.80	1.159	0.145	/
	State2&4		Right Tilt	0	40620	2593	50	Mid	0.17	0.049	22.16	22.80	1.159	0.057	/
Body-worn															
Ant.1	State1	QPSK	Front Side	15	40620	2593	1	Mid	0.00	0.120	22.44	22.80	1.086	0.130	/
	State1		Back Side	15	40620	2593	1	Mid	0.03	0.274	22.44	22.80	1.086	0.298	51#
	State1		Front Side	15	40620	2593	50	High	0.09	0.113	21.80	22.30	1.122	0.127	/
	State1		Back Side	15	40620	2593	50	High	0.04	0.203	21.80	22.30	1.122	0.228	/
	State3	QPSK	Front Side	15	40620	2593	1	Mid	0.17	0.106	21.93	22.30	1.089	0.115	/
	State3		Back Side	15	40620	2593	1	Mid	-0.04	0.208	21.93	22.30	1.089	0.227	/
	State3		Front Side	15	40620	2593	50	Mid	0.11	0.108	21.84	22.30	1.112	0.120	/
	State3		Back Side	15	40620	2593	50	Mid	-0.07	0.212	21.84	22.30	1.112	0.236	/
Ant.4	State1&3	QPSK	Front Side	15	40620	2593	1	Mid	0.01	0.045	21.65	22.80	1.303	0.059	/
	State1&3		Back Side	15	40620	2593	1	Mid	0.06	0.158	21.65	22.80	1.303	0.206	/
	State1&3		Front Side	15	40620	2593	50	Mid	0.16	0.041	20.57	21.80	1.327	0.054	/
	State1&3		Back Side	15	40620	2593	50	Mid	-0.02	0.128	20.57	21.80	1.327	0.170	/
Ant.0	State1&3	QPSK	Front Side	15	40620	2593	1	Mid	0.07	0.096	23.31	23.80	1.119	0.107	/
	State1&3		Back Side	15	40620	2593	1	Mid	0.03	0.113	23.31	23.80	1.119	0.126	/
	State1&3		Front Side	15	40620	2593	50	Mid	-0.15	0.077	22.16	22.80	1.159	0.089	/
	State1&3		Back Side	15	40620	2593	50	Mid	-0.13	0.088	22.16	22.80	1.159	0.102	/
Hotspot															
Ant.1	State3	QPSK	Front Side	10	40620	2593	1	Mid	-0.09	0.231	21.93	22.30	1.089	0.252	/
	State3		Back Side	10	40620	2593	1	Mid	0.03	0.488	21.93	22.30	1.089	0.531	/
	State3		Left Edge	10	40620	2593	1	Mid	0.01	0.271	21.93	22.30	1.089	0.295	/
	State3		Top Edge	10	40620	2593	1	Mid	0.00	0.552	21.93	22.30	1.089	0.601	52#
	State3		Front Side	10	40620	2593	50	Mid	0.12	0.232	21.84	22.30	1.112	0.258	/
	State3		Back Side	10	40620	2593	50	Mid	-0.19	0.465	21.84	22.30	1.112	0.517	/
	State3		Left Edge	10	40620	2593	50	Mid	-0.14	0.253	21.84	22.30	1.112	0.281	/
	State3		Top Edge	10	40620	2593	50	Mid	-0.06	0.511	21.84	22.30	1.112	0.568	/
Ant.4	State1&3	QPSK	Front Side	10	40620	2593	1	Mid	-0.01	0.023	21.65	22.80	1.303	0.030	/
	State1&3		Back Side	10	40620	2593	1	Mid	0.10	0.253	21.65	22.80	1.303	0.330	/
	State1&3		Left Edge	10	40620	2593	1	Mid	-0.04	0.248	21.65	22.80	1.303	0.323	/
	State1&3		Top Edge	10	40620	2593	1	Mid	0.19	0.015	21.65	22.80	1.303	0.020	/
	State1&3		Front Side	10	40620	2593	50	Mid	-0.13	0.021	20.57	21.80	1.327	0.028	/
	State1&3		Back Side	10	40620	2593	50	Mid	0.00	0.246	20.57	21.80	1.327	0.326	/
	State1&3		Left Edge	10	40620	2593	50	Mid	-0.11	0.201	20.57	21.80	1.327	0.267	/
	State1&3		Top Edge	10	40620	2593	50	Mid	-0.07	0.013	20.57	21.80	1.327	0.017	/
Ant.0	State1&3	QPSK	Front Side	10	40620	2593	1	Mid	-0.05	0.186	23.31	23.80	1.119	0.208	/
	State1&3		Back Side	10	40620	2593	1	Mid	0.15	0.216	23.31	23.80	1.119	0.242	/
	State1&3		Left Edge	10	40620	2593	1	Mid	0.13	0.131	23.31	23.80	1.119	0.147	/
	State1&3		Right Edge	10	40620	2593	1	Mid	0.09	0.011	23.31	23.80	1.119	0.012	/

	State1&3		Bottom Edge	10	40620	2593	1	Mid	0.01	0.000	23.31	23.80	1.119	0.000	/
	State1&3		Front Side	10	40620	2593	50	Mid	0.10	0.145	22.16	22.80	1.159	0.168	/
	State1&3		Back Side	10	40620	2593	50	Mid	0.06	0.167	22.16	22.80	1.159	0.194	/
	State1&3		Left Edge	10	40620	2593	50	Mid	-0.17	0.109	22.16	22.80	1.159	0.126	/
	State1&3		Right Edge	10	40620	2593	50	Mid	-0.01	0.012	22.16	22.80	1.159	0.014	
	State1&3		Bottom Edge	10	40185	2549.5	50	Mid	-0.13	0.153	22.16	22.80	1.159	0.177	/

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 Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head-CA															
Ant.1	State2	QPSK	Right Tilt	0	39750 +39948	2506 +2525.8	1+1	High +Low	0.02	0.938	18.52	19.30	1.197	1.123	60#
	State2	QPSK	Right Tilt	0	40620 +40818	2593 +2612.8	1+1	High +Low	0.03	0.921	18.51	19.30	1.199	1.104	/
	State2	QPSK	Right Tilt	0	41490 +41292	2680 +2660.2	1+1	Low +High	0.11	0.906	18.45	19.30	1.216	1.102	/
Body-worn-CA															
Ant.1	State1	QPSK	Back Side	15	40620 +40818	2593 +2612.8	1+1	High +Low	-0.06	0.225	21.77	22.80	1.268	0.285	61#
Hotspot-CA															
Ant.1	State3	QPSK	Top Edge	10	40620 +40818	2593 +2612.8	1+1	High +Low	0.05	0.379	21.18	22.30	1.294	0.490	62#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.20 5G n5 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.1	State2	DFT-s-OFDM QPSK	SA	Left Cheek	0	166800	834	106	1	53	0.04	0.385	21.46	22.00	1.132	0.436	/
	State2			Left Tilt	0	166800	834	106	1	53	0.10	0.361	21.46	22.00	1.132	0.409	/
	State2			Right Cheek	0	166800	834	106	1	53	-0.03	0.563	21.46	22.00	1.132	0.637	63#
	State2			Right Tilt	0	166800	834	106	1	53	-0.18	0.488	21.46	22.00	1.132	0.552	/
	State2			Left Cheek	0	166800	834	106	50	28	-0.19	0.423	21.62	22.00	1.091	0.461	/
	State2			Left Tilt	0	166800	834	106	50	28	0.09	0.392	21.62	22.00	1.091	0.428	/
	State2			Right Cheek	0	166800	834	106	50	28	-0.19	0.545	21.62	22.00	1.091	0.595	/
	State2			Right Tilt	0	166800	834	106	50	28	-0.08	0.493	21.62	22.00	1.091	0.538	/
Ant.1	State4	DFT-s-OFDM QPSK	SA	Left Cheek	0	167300	836.5	106	1	53	0.11	0.321	20.51	21.50	1.256	0.403	/
	State4			Left Tilt	0	167300	836.5	106	1	53	-0.19	0.316	20.51	21.50	1.256	0.397	/
	State4			Right Cheek	0	167300	836.5	106	1	53	-0.12	0.488	20.51	21.50	1.256	0.613	/
	State4			Right Tilt	0	167300	836.5	106	1	53	0.13	0.423	20.51	21.50	1.256	0.531	/
	State4			Left Cheek	0	166800	834	106	50	28	0.10	0.365	20.51	21.50	1.256	0.458	/
	State4			Left Tilt	0	166800	834	106	50	28	0.02	0.338	20.51	21.50	1.256	0.425	/
	State4			Right Cheek	0	166800	834	106	50	28	-0.10	0.474	20.51	21.50	1.256	0.595	/
	State4			Right Tilt	0	166800	834	106	50	28	-0.11	0.429	20.51	21.50	1.256	0.539	/
Ant.1	State2	DFT-s-OFDM QPSK	NSA	Left Cheek	0	167300	836.5	106	1	53	0.12	0.154	18.24	18.50	1.062	0.164	/
	State2			Left Tilt	0	167300	836.5	106	1	53	0.01	0.162	18.24	18.50	1.062	0.172	/
	State2			Right Cheek	0	167300	836.5	106	1	53	0.11	0.233	18.24	18.50	1.062	0.247	/
	State2			Right Tilt	0	167300	836.5	106	1	53	0.12	0.206	18.24	18.50	1.062	0.219	/
	State2			Left Cheek	0	166800	834	106	50	28	0.04	0.171	18.19	18.50	1.074	0.184	/
	State2			Left Tilt	0	166800	834	106	50	28	0.06	0.175	18.19	18.50	1.074	0.188	/
	State2			Right Cheek	0	166800	834	106	50	28	-0.04	0.241	18.19	18.50	1.074	0.259	/
	State2			Right Tilt	0	166800	834	106	50	28	-0.02	0.223	18.19	18.50	1.074	0.240	/
Ant.1	State4	DFT-s-OFDM QPSK	NSA	Left Cheek	0	167300	836.5	106	1	104	-0.13	0.121	17.80	18.00	1.047	0.127	/
	State4			Left Tilt	0	167300	836.5	106	1	104	0.09	0.156	17.80	18.00	1.047	0.163	/
	State4			Right Cheek	0	167300	836.5	106	1	104	0.16	0.201	17.80	18.00	1.047	0.210	/
	State4			Right Tilt	0	167300	836.5	106	1	104	0.01	0.195	17.80	18.00	1.047	0.204	/
	State4			Left Cheek	0	166800	834	106	50	0	-0.19	0.144	17.77	18.00	1.054	0.152	/
	State4			Left Tilt	0	166800	834	106	50	0	-0.05	0.132	17.77	18.00	1.054	0.139	/
	State4			Right Cheek	0	166800	834	106	50	0	0.09	0.201	17.77	18.00	1.054	0.212	/
	State4			Right Tilt	0	166800	834	106	50	0	0.06	0.187	17.77	18.00	1.054	0.197	/
Ant.0	State2&4	DFT-s-OFDM QPSK	SA	Left Cheek	0	166800	834	106	1	53	-0.18	0.069	23.84	24.70	1.219	0.084	/
	State2&4			Left Tilt	0	166800	834	106	1	53	0.06	0.053	23.84	24.70	1.219	0.065	/
	State2&4			Right Cheek	0	166800	834	106	1	53	0.02	0.052	23.84	24.70	1.219	0.063	/
	State2&4			Right Tilt	0	166800	834	106	1	53	0.08	0.018	23.84	24.70	1.219	0.022	/

	State2&4			Left Cheek	0	166800	834	106	50	28	0.07	0.064	23.94	24.70	1.191	0.076	/
	State2&4			Left Tilt	0	166800	834	106	50	28	-0.02	0.054	23.94	24.70	1.191	0.064	/
	State2&4			Right Cheek	0	166800	834	106	50	28	0.07	0.050	23.94	24.70	1.191	0.060	/
	State2&4			Right Tilt	0	166800	834	106	50	28	0.12	0.016	23.94	24.70	1.191	0.019	/
Ant.0	State2&4	DFT-s-OFDM QPSK	NSA	Left Cheek	0	166800	834	106	1	53	0.00	0.058	23.84	24.20	1.086	0.063	/
	State2&4			Left Tilt	0	166800	834	106	1	53	-0.08	0.049	23.84	24.20	1.086	0.053	/
	State2&4			Right Cheek	0	166800	834	106	1	53	0.19	0.041	23.84	24.20	1.086	0.045	/
	State2&4			Right Tilt	0	166800	834	106	1	53	0.07	0.013	23.84	24.20	1.086	0.014	/
	State2&4			Left Cheek	0	166800	834	106	50	28	0.09	0.052	23.94	24.20	1.062	0.055	/
	State2&4			Left Tilt	0	166800	834	106	50	28	0.13	0.046	23.94	24.20	1.062	0.049	/
	State2&4			Right Cheek	0	166800	834	106	50	28	-0.07	0.042	23.94	24.20	1.062	0.045	/
	State2&4			Right Tilt	0	166800	834	106	50	28	-0.18	0.011	23.94	24.20	1.062	0.012	/
	Body-worn																
Ant.1	State1&3	DFT-s-OFDM QPSK	SA	Front Side	15	166800	834	106	1	53	-0.03	0.124	23.59	24.50	1.233	0.153	/
	State1&3			Back Side	15	166800	834	106	1	53	-0.05	0.151	23.59	24.50	1.233	0.186	64#
	State1&3			Front Side	15	167800	839	106	50	28	-0.04	0.123	23.50	24.50	1.259	0.155	/
	State1&3			Back Side	15	167800	839	106	50	28	-0.02	0.146	23.50	24.50	1.259	0.184	/
Ant.1	State1&3	DFT-s-OFDM QPSK	NSA	Front Side	15	166800	834	106	1	53	-0.07	0.101	23.59	24.00	1.099	0.111	/
	State1&3			Back Side	15	166800	834	106	1	53	-0.10	0.123	23.59	24.00	1.099	0.135	/
	State1&3			Front Side	15	167800	839	106	50	28	-0.11	0.102	23.50	24.00	1.122	0.114	/
	State1&3			Back Side	15	167800	839	106	50	28	-0.04	0.124	23.50	24.00	1.122	0.139	/
Ant.0	State1&3	DFT-s-OFDM QPSK	SA	Front Side	15	166800	834	106	1	53	-0.01	0.079	23.84	24.70	1.219	0.096	/
	State1&3			Back Side	15	166800	834	106	1	53	-0.09	0.111	23.84	24.70	1.219	0.135	/
	State1&3			Front Side	15	166800	834	106	50	28	0.15	0.078	23.94	24.70	1.191	0.093	/
	State1&3			Back Side	15	166800	834	106	50	28	-0.19	0.109	23.94	24.70	1.191	0.130	/
Ant.0	State1&3	DFT-s-OFDM QPSK	NSA	Front Side	15	166800	834	106	1	53	-0.08	0.065	23.84	24.20	1.086	0.071	/
	State1&3			Back Side	15	166800	834	106	1	53	0.18	0.092	23.84	24.20	1.086	0.100	/
	State1&3			Front Side	15	166800	834	106	50	28	-0.09	0.063	23.94	24.20	1.062	0.067	/
	State1&3			Back Side	15	166800	834	106	50	28	-0.15	0.092	23.94	24.20	1.062	0.098	/
Hotspot																	
Ant.1	State3	DFT-s-OFDM QPSK	SA	Front Side	10	166800	834	106	1	53	0.05	0.223	23.59	24.50	1.233	0.275	/
	State3			Back Side	10	166800	834	106	1	53	0.04	0.277	23.59	24.50	1.233	0.342	/
	State3			Right Edge	10	166800	834	106	1	53	-0.13	0.128	23.59	24.50	1.233	0.158	/
	State3			Top Edge	10	166800	834	106	1	53	0.19	0.241	23.59	24.50	1.233	0.297	/
	State3			Front Side	10	167800	839	106	50	28	0.06	0.217	23.50	24.50	1.259	0.273	/
	State3			Back Side	10	167800	839	106	50	28	-0.11	0.268	23.50	24.50	1.259	0.337	/
	State3			Right Edge	10	167800	839	106	50	28	0.03	0.116	23.50	24.50	1.259	0.146	/
	State3			Top Edge	10	167800	839	106	50	28	0.02	0.237	23.50	24.50	1.259	0.298	/
Ant.1	State3	DFT-s-OFDM QPSK	NSA	Front Side	10	166800	834	106	1	53	-0.07	0.183	23.59	24.00	1.099	0.201	/
	State3			Back Side	10	166800	834	106	1	53	-0.14	0.232	23.59	24.00	1.099	0.255	/
	State3			Right Edge	10	166800	834	106	1	53	0.18	0.121	23.59	24.00	1.099	0.133	/
	State3			Top Edge	10	166800	834	106	1	53	0.15	0.203	23.59	24.00	1.099	0.223	/
	State3			Front Side	10	167800	839	106	50	28	-0.17	0.187	23.50	24.00	1.122	0.210	/

	State3			Back Side	10	167800	839	106	50	28	0.00	0.226	23.50	24.00	1.122	0.254	/
	State3			Right Edge	10	167800	839	106	50	28	0.10	0.121	23.50	24.00	1.122	0.136	/
	State3			Top Edge	10	167800	839	106	50	28	-0.16	0.206	23.50	24.00	1.122	0.231	/
Ant.0	State3	DFT-s-OFDM QPSK	SA	Front Side	10	166800	834	106	1	53	0.15	0.113	23.84	24.70	1.219	0.138	/
	State3			Back Side	10	166800	834	106	1	53	-0.16	0.285	23.84	24.70	1.219	0.347	65#
	State3			Left Edge	10	166800	834	106	1	53	0.09	0.085	23.84	24.70	1.219	0.104	/
	State3			Right Edge	10	166800	834	106	1	53	0.05	0.109	23.84	24.70	1.219	0.133	
	State3			Bottom Edge	10	166800	834	106	1	53	-0.03	0.216	23.84	24.70	1.219	0.263	/
	State3			Front Side	10	166800	834	106	50	28	-0.16	0.091	23.94	24.70	1.191	0.108	/
	State3			Back Side	10	166800	834	106	50	28	0.13	0.261	23.94	24.70	1.191	0.311	/
	State3			Left Edge	10	166800	834	106	50	28	-0.09	0.085	23.94	24.70	1.191	0.101	/
	State3			Right Edge	10	166800	834	106	50	28	0.01	0.108	23.94	24.70	1.191	0.129	
	State3			Bottom Edge	10	166800	834	106	50	28	0.06	0.206	23.94	24.70	1.191	0.245	/
	State3			Front Side	10	166800	834	106	1	53	0.18	0.093	23.84	24.20	1.086	0.101	/
	State3			Back Side	10	166800	834	106	1	53	-0.01	0.244	23.84	24.20	1.086	0.265	/
Ant.0	State3	DFT-s-OFDM QPSK	SA	Left Edge	10	166800	834	106	1	53	0.00	0.063	23.84	24.20	1.086	0.068	/
	State3			Right Edge	10	166800	834	106	1	53	0.02	0.085	23.84	24.20	1.086	0.092	
	State3			Bottom Edge	10	166800	834	106	1	53	-0.15	0.181	23.84	24.20	1.086	0.197	/
	State3			Front Side	10	166800	834	106	50	28	0.10	0.072	23.94	24.20	1.062	0.076	/
	State3			Back Side	10	166800	834	106	50	28	-0.12	0.212	23.94	24.20	1.062	0.225	/
	State3			Left Edge	10	166800	834	106	50	28	-0.12	0.071	23.94	24.20	1.062	0.075	/
	State3			Right Edge	10	166800	834	106	50	28	0.18	0.093	23.94	24.20	1.062	0.099	
	State3			Bottom Edge	10	166800	834	106	50	28	0.11	0.177	23.94	24.20	1.062	0.188	/
	State3																
	State3																
	State3																
	State3																

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

11.21 5G n7 (40MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.1	State2	DFT-s-OFDM QPSK	SA	Left Cheek	0	507000	2535	216	1	1	-0.03	0.233	16.81	17.20	1.094	0.255	/
	State2			Left Tilt	0	507000	2535	216	1	1	0.03	0.321	16.81	17.20	1.094	0.351	/
	State2			Right Cheek	0	507000	2535	216	1	1	0.18	0.716	16.81	17.20	1.094	0.783	/
	State2			Right Tilt	0	507000	2535	216	1	1	0.06	0.821	16.81	17.20	1.094	0.898	/
	State2			Left Cheek	0	507000	2535	216	108	54	-0.05	0.233	16.78	17.20	1.102	0.257	/
	State2			Left Tilt	0	507000	2535	216	108	54	0.15	0.402	16.78	17.20	1.102	0.443	/
	State2			Right Cheek	0	507000	2535	216	108	54	0.15	0.688	16.78	17.20	1.102	0.758	/
	State2			Right Tilt	0	507000	2535	216	108	54	-0.09	0.844	16.78	17.20	1.102	0.930	/
	State2			Right Tilt	0	504000	2522.5	216	1	108	-0.12	0.914	16.34	17.20	1.219	1.114	66#
	State2			Right Tilt	0	509000	2547.5	216	1	108	0.10	0.821	16.77	17.20	1.104	0.906	/
	State2			Right Tilt	0	504000	2522.5	216	108	108	-0.18	0.878	16.65	17.20	1.135	0.997	/
	State2			Right Tilt	0	509000	2547.5	216	108	108	-0.14	0.823	16.77	17.20	1.104	0.909	/
	State2			Right Tilt	0	507000	2535	216	216	0	0.12	0.721	16.82	17.20	1.091	0.787	/
	State2			Right Tilt	0	507000	2535	216	216	0	0.12	0.721	16.82	17.20	1.091	0.787	/
Ant.1	State4	DFT-s-OFDM QPSK	SA	Left Cheek	0	507000	2535	271	1	108	0.15	0.196	16.31	16.70	1.094	0.214	/
	State4			Left Tilt	0	507000	2535	271	1	108	0.13	0.277	16.31	16.70	1.094	0.303	/
	State4			Right Cheek	0	507000	2535	271	1	108	0.04	0.621	16.31	16.70	1.094	0.679	/
	State4			Right Tilt	0	507000	2535	271	1	108	0.10	0.721	16.31	16.70	1.094	0.789	/
	State4			Left Cheek	0	507000	2535	271	108	0	-0.11	0.232	16.34	16.70	1.086	0.252	/
	State4			Left Tilt	0	507000	2535	271	108	0	0.02	0.371	16.34	16.70	1.086	0.403	/
	State4			Right Cheek	0	507000	2535	271	108	0	0.09	0.622	16.34	16.70	1.086	0.675	/
	State4			Right Tilt	0	507000	2535	271	108	0	-0.01	0.733	16.34	16.70	1.086	0.796	/
	State4			Right Tilt	0	507000	2535	271	108	0	-0.01	0.733	16.34	16.70	1.086	0.796	/
Ant.1	State2	DFT-s-OFDM QPSK	NSA	Left Cheek	0	507000	2535	271	1	108	-0.17	0.092	13.60	13.70	1.023	0.094	/
	State2			Left Tilt	0	507000	2535	271	1	108	-0.16	0.125	13.60	13.70	1.023	0.128	/
	State2			Right Cheek	0	507000	2535	271	1	108	-0.13	0.302	13.60	13.70	1.023	0.309	/
	State2			Right Tilt	0	507000	2535	271	1	108	0.09	0.345	13.60	13.70	1.023	0.353	/
	State2			Left Cheek	0	507000	2535	271	108	54	0.03	0.108	13.42	13.70	1.067	0.115	/
	State2			Left Tilt	0	507000	2535	271	108	54	-0.18	0.171	13.42	13.70	1.067	0.182	/
	State2			Right Cheek	0	507000	2535	271	108	54	0.12	0.302	13.42	13.70	1.067	0.322	/
	State2			Right Tilt	0	507000	2535	271	108	54	-0.13	0.341	13.42	13.70	1.067	0.364	/
	State2			Right Tilt	0	507000	2535	271	108	54	-0.13	0.341	13.42	13.70	1.067	0.364	/
Ant.1	State4	DFT-s-OFDM QPSK	NSA	Left Cheek	0	507000	2535	271	1	108	0.09	0.072	13.14	13.20	1.014	0.073	/
	State4			Left Tilt	0	507000	2535	271	1	108	-0.01	0.101	13.14	13.20	1.014	0.102	/
	State4			Right Cheek	0	507000	2535	271	1	108	-0.12	0.255	13.14	13.20	1.014	0.259	/
	State4			Right Tilt	0	507000	2535	271	1	108	0.01	0.287	13.14	13.20	1.014	0.291	/
	State4			Left Cheek	0	507000	2535	271	108	54	-0.11	0.093	12.94	13.20	1.062	0.099	/
	State4			Left Tilt	0	507000	2535	271	108	54	0.09	0.147	12.94	13.20	1.062	0.156	/
	State4			Right Cheek	0	507000	2535	271	108	54	0.04	0.253	12.94	13.20	1.062	0.269	/
	State4			Right Cheek	0	507000	2535	271	108	54	0.04	0.253	12.94	13.20	1.062	0.269	/

	State4			Right Tilt	0	507000	2535	271	108	54	0.05	0.289	12.94	13.20	1.062	0.307	/
Ant.4	State2&4	DFT-s-OFDM QPSK	SA	Left Cheek	0	507000	2535	216	1	1	0.07	0.241	21.96	23.70	1.493	0.360	/
	Left Tilt			0	507000	2535	216	1	1	-0.15	0.085	21.96	23.70	1.493	0.127	/	
	Right Cheek			0	507000	2535	216	1	1	0.02	0.316	21.96	23.70	1.493	0.472	/	
	Right Tilt			0	507000	2535	216	1	1	0.03	0.185	21.96	23.70	1.493	0.276	/	
	Left Cheek			0	507000	2535	216	108	54	-0.19	0.244	21.97	23.70	1.489	0.363	/	
	Left Tilt			0	507000	2535	216	108	54	-0.04	0.091	21.97	23.70	1.489	0.135	/	
	Right Cheek			0	507000	2535	216	108	54	0.18	0.316	21.97	23.70	1.489	0.471	/	
	Right Cheek			0	507000	2535	216	108	54	0.02	0.377	21.97	23.70	1.489	0.561	/	
	State2&4																
Ant.4	State2	DFT-s-OFDM QPSK	NSA	Left Cheek	0	507000	2535	271	1	214	-0.16	0.185	21.51	22.70	1.315	0.243	/
	Left Tilt			0	507000	2535	271	1	214	0.09	0.062	21.51	22.70	1.315	0.082	/	
	Right Cheek			0	507000	2535	271	1	214	-0.13	0.243	21.51	22.70	1.315	0.320	/	
	Right Tilt			0	507000	2535	271	1	214	-0.10	0.132	21.51	22.70	1.315	0.174	/	
	Left Cheek			0	507000	2535	271	108	0	0.16	0.183	21.55	22.70	1.303	0.238	/	
	Left Tilt			0	507000	2535	271	108	0	-0.13	0.068	21.55	22.70	1.303	0.089	/	
	Right Cheek			0	507000	2535	271	108	0	-0.11	0.238	21.55	22.70	1.303	0.310	/	
	Right Tilt			0	507000	2535	271	108	0	-0.03	0.272	21.55	22.70	1.303	0.354	/	
	State2																
Ant.4	State4	DFT-s-OFDM QPSK	NSA	Left Cheek	0	507000	2535	271	1	108	0.18	0.152	21.09	22.20	1.291	0.196	/
	Left Tilt			0	507000	2535	271	1	108	0.10	0.051	21.09	22.20	1.291	0.066	/	
	Right Cheek			0	507000	2535	271	1	108	-0.01	0.206	21.09	22.20	1.291	0.266	/	
	Right Tilt			0	507000	2535	271	1	108	-0.18	0.102	21.09	22.20	1.291	0.132	/	
	Left Cheek			0	507000	2535	271	108	54	0.06	0.155	21.00	22.20	1.318	0.204	/	
	Left Tilt			0	507000	2535	271	108	54	0.01	0.053	21.00	22.20	1.318	0.070	/	
	Right Cheek			0	507000	2535	271	108	54	0.14	0.206	21.00	22.20	1.318	0.272	/	
	Right Tilt			0	507000	2535	271	108	54	-0.19	0.217	21.00	22.20	1.318	0.286	/	
	State4																
Ant.0	State2&4	DFT-s-OFDM QPSK	SA	Left Cheek	0	507000	2535	216	1	108	0.18	0.149	23.65	24.70	1.274	0.190	/
	Left Tilt			0	507000	2535	216	1	108	0.18	0.120	23.65	24.70	1.274	0.153	/	
	Right Cheek			0	507000	2535	216	1	108	-0.08	0.290	23.65	24.70	1.274	0.369	/	
	Right Tilt			0	507000	2535	216	1	108	-0.17	0.157	23.65	24.70	1.274	0.200	/	
	Left Cheek			0	507000	2535	216	108	54	-0.10	0.180	23.65	24.70	1.274	0.229	/	
	Left Tilt			0	507000	2535	216	108	54	0.07	0.112	23.65	24.70	1.274	0.143	/	
	Right Cheek			0	507000	2535	216	108	54	-0.19	0.337	23.65	24.70	1.274	0.429	/	
	Right Tilt			0	507000	2535	216	108	54	-0.19	0.147	23.65	24.70	1.274	0.187	/	
	State2&4																
Ant.0	State2&4	DFT-s-OFDM QPSK	NSA	Left Cheek	0	507000	2535	216	1	108	0.16	0.125	23.65	24.20	1.135	0.142	/
	Left Tilt			0	507000	2535	216	1	108	0.09	0.102	23.65	24.20	1.135	0.116	/	
	Right Cheek			0	507000	2535	216	1	108	0.11	0.241	23.65	24.20	1.135	0.274	/	
	Right Tilt			0	507000	2535	216	1	108	-0.19	0.132	23.65	24.20	1.135	0.150	/	
	Left Cheek			0	507000	2535	216	108	54	0.08	0.155	23.65	24.20	1.135	0.176	/	
	Left Tilt			0	507000	2535	216	108	54	-0.10	0.095	23.65	24.20	1.135	0.108	/	
	Right Cheek			0	507000	2535	216	108	54	-0.17	0.288	23.65	24.20	1.135	0.327	/	
	Right Tilt			0	507000	2535	216	108	54	-0.01	0.127	23.65	24.20	1.135	0.144	/	
	State2&4																
Body-worn																	
Ant.1	State1		SA	Front Side	15	504000	2522.5	216	1	108	-0.01	0.105	19.72	20.20	1.117	0.117	/

	State1	DFT-s-		Back Side	15	504000	2522.5	216	1	108	-0.10	0.158	19.72	20.20	1.117	0.176	/
	State1	OFDM		Front Side	15	507000	2535	216	108	54	0.13	0.116	19.87	20.20	1.079	0.125	/
	State1	QPSK		Back Side	15	507000	2535	216	108	54	0.16	0.171	19.87	20.20	1.079	0.185	/
Ant.1	State3	DFT-s-	SA	Front Side	15	507000	2535	216	1	108	0.02	0.091	19.20	19.70	1.122	0.102	/
	State3	OFDM		Back Side	15	507000	2535	216	1	108	-0.03	0.132	19.20	19.70	1.122	0.148	/
	State3	QPSK		Front Side	15	507000	2535	216	108	54	-0.05	0.095	19.33	19.70	1.089	0.103	/
	State3			Back Side	15	507000	2535	216	108	54	-0.05	0.144	19.33	19.70	1.089	0.157	/
Ant.1	State1	DFT-s-	NSA	Front Side	15	504000	2522.5	216	1	108	0.04	0.041	16.66	16.70	1.009	0.041	/
	State1	OFDM		Back Side	15	504000	2522.5	216	1	108	0.09	0.062	16.66	16.70	1.009	0.063	/
	State1	QPSK		Front Side	15	507000	2535	216	108	0	-0.17	0.042	16.43	16.70	1.064	0.045	/
	State1			Back Side	15	507000	2535	216	108	0	-0.10	0.068	16.43	16.70	1.064	0.072	/
Ant.1	State3	DFT-s-	NSA	Front Side	15	504000	2522.5	216	1	108	0.00	0.035	16.15	16.20	1.012	0.035	/
	State3	OFDM		Back Side	15	504000	2522.5	216	1	108	0.18	0.051	16.15	16.20	1.012	0.052	/
	State3	QPSK		Front Side	15	507000	2535	216	108	0	0.12	0.033	15.90	16.20	1.072	0.035	/
	State3			Back Side	15	507000	2535	216	108	0	-0.17	0.058	15.90	16.20	1.072	0.062	/
Ant.4	State1&3	DFT-s-	SA	Front Side	15	507000	2535	216	1	108	0.07	0.062	21.96	23.70	1.493	0.093	/
	State1&3	OFDM		Back Side	15	507000	2535	216	1	108	-0.17	0.251	21.96	23.70	1.493	0.375	/
	State1&3	QPSK		Front Side	15	507000	2535	216	108	54	0.03	0.065	21.97	23.70	1.489	0.097	/
	State1&3			Back Side	15	507000	2535	216	108	54	0.02	0.265	21.97	23.70	1.489	0.395	67#
Ant.4	State1	DFT-s-	NSA	Front Side	15	507000	2535	216	1	214	-0.04	0.028	20.54	20.70	1.038	0.029	/
	State1	OFDM		Back Side	15	507000	2535	216	1	214	0.01	0.117	20.54	20.70	1.038	0.121	/
	State1	QPSK		Front Side	15	507000	2535	216	108	108	0.14	0.029	20.33	20.70	1.089	0.032	/
	State1			Back Side	15	507000	2535	216	108	108	-0.08	0.123	20.33	20.70	1.089	0.134	/
Ant.4	State3	DFT-s-	NSA	Front Side	15	507000	2535	216	1	108	0.03	0.021	20.08	20.20	1.028	0.022	/
	State3	OFDM		Back Side	15	507000	2535	216	1	108	-0.10	0.101	20.08	20.20	1.028	0.104	/
	State3	QPSK		Front Side	15	507000	2535	216	108	108	-0.05	0.021	19.85	20.20	1.084	0.023	/
	State3			Back Side	15	507000	2535	216	108	108	0.13	0.106	19.85	20.20	1.084	0.115	/
Ant.0	State1&3	DFT-s-	SA	Front Side	15	507000	2535	216	1	108	0.15	0.160	23.65	24.70	1.274	0.204	/
	State1&3	OFDM		Back Side	15	507000	2535	216	1	108	0.14	0.254	23.65	24.70	1.274	0.324	/
	State1&3	QPSK		Front Side	15	507000	2535	216	108	54	-0.13	0.163	23.65	24.70	1.274	0.208	/
	State1&3			Back Side	15	507000	2535	216	108	54	0.11	0.261	23.65	24.70	1.274	0.333	/
Ant.0	State1	DFT-s-	NSA	Front Side	15	507000	2535	216	1	108	0.04	0.098	22.43	22.70	1.064	0.104	/
	State1	OFDM		Back Side	15	507000	2535	216	1	108	-0.07	0.151	22.43	22.70	1.064	0.161	/
	State1	QPSK		Front Side	15	507000	2535	216	108	108	0.07	0.101	22.52	22.70	1.042	0.105	/
	State1			Back Side	15	507000	2535	216	108	108	-0.04	0.148	22.52	22.70	1.042	0.154	/
Ant.0	State3	DFT-s-	NSA	Front Side	15	507000	2535	216	1	1	-0.01	0.082	21.39	22.20	1.205	0.099	/
	State3	OFDM		Back Side	15	507000	2535	216	1	1	-0.01	0.127	21.39	22.20	1.205	0.153	/
	State3	QPSK		Front Side	15	507000	2535	216	108	108	0.05	0.083	21.54	22.20	1.164	0.097	/
	State3			Back Side	15	507000	2535	216	108	108	-0.02	0.116	21.54	22.20	1.164	0.135	/
Hotspot																	
Ant.1	State3	DFT-s-	SA	Front Side	10	507000	2535	271	1	108	-0.16	0.165	19.20	19.70	1.122	0.185	/
	State3	OFDM		Back Side	10	507000	2535	271	1	108	0.12	0.262	19.20	19.70	1.122	0.294	/
	State3	QPSK		Right Edge	10	507000	2535	271	1	108	0.04	0.153	19.20	19.70	1.122	0.172	/

	State3			Top Edge	10	507000	2535	271	1	108	0.15	0.485	19.20	19.70	1.122	0.544	/
	State3			Front Side	10	507000	2535	271	108	54	-0.18	0.203	19.33	19.70	1.089	0.221	/
	State3			Back Side	10	507000	2535	271	108	54	0.16	0.322	19.33	19.70	1.089	0.351	/
	State3			Right Edge	10	507000	2535	271	108	54	0.01	0.185	19.33	19.70	1.089	0.201	/
	State3			Top Edge	10	507000	2535	271	108	54	0.03	0.551	19.33	19.70	1.089	0.600	/
Ant.1	State3	DFT-s-OFDM QPSK	NSA	Front Side	10	504000	2522.5	216	1	108	-0.09	0.071	16.15	23.70	5.689	0.404	/
	State3			Back Side	10	504000	2522.5	216	1	108	-0.05	0.121	16.15	16.20	1.012	0.122	/
	State3			Right Edge	10	504000	2522.5	216	1	108	0.11	0.063	16.15	16.20	1.012	0.064	/
	State3			Top Edge	10	504000	2522.5	216	1	108	-0.03	0.206	16.15	16.20	1.012	0.208	/
	State3			Front Side	10	507000	2535	216	108	0	-0.12	0.088	15.90	16.20	1.072	0.094	/
	State3			Back Side	10	507000	2535	216	108	0	0.15	0.123	15.90	16.20	1.072	0.132	/
	State3			Right Edge	10	507000	2535	216	108	0	0.16	0.075	15.90	16.20	1.072	0.080	/
	State3			Top Edge	10	507000	2535	216	108	0	-0.01	0.233	15.90	16.20	1.072	0.250	/
	State3			Top Edge	10	507000	2535	271	1	108	-0.02	0.106	21.96	23.70	1.493	0.158	/
Ant.4	State3	DFT-s-OFDM QPSK	SA	Back Side	10	507000	2535	271	1	108	-0.19	0.603	21.96	23.70	1.493	0.900	/
	State3			Right Edge	10	507000	2535	271	1	108	-0.19	0.523	21.96	23.70	1.493	0.781	/
	State3			Top Edge	10	507000	2535	271	1	108	-0.09	0.071	21.96	23.70	1.493	0.106	/
	State3			Front Side	10	507000	2535	271	108	54	-0.13	0.089	21.97	23.70	1.489	0.133	/
	State3			Back Side	10	507000	2535	271	108	54	0.06	0.614	21.97	23.70	1.489	0.914	68#
	State3			Right Edge	10	507000	2535	271	108	54	0.15	0.511	21.97	23.70	1.489	0.761	/
	State3			Top Edge	10	507000	2535	271	108	54	-0.18	0.071	21.97	23.70	1.489	0.106	/
	State3			Front Side	10	507000	2535	216	1	108	0.03	0.045	20.08	20.20	1.028	0.046	/
	State3			Back Side	10	507000	2535	216	1	108	-0.03	0.246	20.08	20.20	1.028	0.253	/
Ant.4	State3	DFT-s-OFDM QPSK	NSA	Right Edge	10	507000	2535	216	1	108	0.10	0.212	20.08	20.20	1.028	0.218	/
	State3			Top Edge	10	507000	2535	216	1	108	-0.13	0.029	20.08	20.20	1.028	0.030	/
	State3			Front Side	10	507000	2535	271	108	108	-0.09	0.040	19.85	20.20	1.084	0.043	/
	State3			Back Side	10	507000	2535	271	108	108	0.16	0.247	19.85	20.20	1.084	0.268	/
	State3			Right Edge	10	507000	2535	271	108	108	0.01	0.206	19.85	20.20	1.084	0.223	/
	State3			Top Edge	10	507000	2535	271	108	108	-0.12	0.030	19.85	20.20	1.084	0.033	/
	State3			Front Side	10	507000	2535	271	1	108	0.17	0.303	23.65	24.70	1.274	0.386	/
	State3			Back Side	10	507000	2535	271	1	108	-0.04	0.384	23.65	24.70	1.274	0.489	/
	State3			Left Edge	10	507000	2535	271	1	108	-0.03	0.011	23.65	24.70	1.274	0.014	/
Ant.0	State3	DFT-s-OFDM QPSK	SA	Right Edge	10	507000	2535	271	1	108	0.03	0.021	23.65	24.70	1.274	0.027	
	State3			Bottom Edge	10	507000	2535	271	1	108	-0.01	0.442	23.65	24.70	1.274	0.563	/
	State3			Front Side	10	507000	2535	271	108	54	-0.08	0.294	23.65	24.70	1.274	0.375	/
	State3			Back Side	10	507000	2535	271	108	54	-0.03	0.390	23.65	24.70	1.274	0.497	/
	State3			Left Edge	10	507000	2535	271	108	54	0.17	0.023	23.65	24.70	1.274	0.029	/
	State3			Right Edge	10	507000	2535	271	108	54	-0.09	0.016	23.65	24.70	1.274	0.020	
	State3			Bottom Edge	10	507000	2535	271	108	54	0.01	0.463	23.65	24.70	1.274	0.590	/
	State3			Front Side	10	507000	2535	271	1	1	0.17	0.191	21.39	22.20	1.205	0.230	/
	State3			Back Side	10	507000	2535	271	1	1	0.03	0.243	21.39	22.20	1.205	0.293	/
	State3			Left Edge	10	507000	2535	271	1	1	-0.02	0.005	21.39	22.20	1.205	0.006	/
	State3			Right Edge	10	507000	2535	271	1	1	0.05	0.013	21.39	22.20	1.205	0.016	

	State3			Bottom Edge	10	507000	2535	271	1	1	0.03	0.279	21.39	22.20	1.205	0.336	/
	State3			Front Side	10	507000	2535	271	108	108	0.17	0.186	21.54	22.20	1.164	0.217	/
	State3			Back Side	10	507000	2535	271	108	108	-0.02	0.246	21.54	22.20	1.164	0.286	/
	State3			Left Edge	10	507000	2535	271	108	108	-0.10	0.010	21.54	22.20	1.164	0.012	/
	State3			Right Edge	10	507000	2535	271	108	108	0.13	0.007	21.54	22.20	1.164	0.008	
	State3			Bottom Edge	10	507000	2535	271	108	108	-0.07	0.292	21.54	22.20	1.164	0.340	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant.1	State3	DFT-s-OFDM	SA	Top Edge	0	507000	2535	271	1	108	0.07	1.450	19.20	19.70	1.122	1.627	/
	State3	QPSK			0	507000	2535	271	108	54	-0.16	1.510	19.33	19.70	1.089	1.644	69#
Ant.1	State3	DFT-s-OFDM QPSK	NSA	Top Edge	0	507000	2535	271	1	108	0.03	1.420	15.90	16.20	1.072	1.522	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.22 5G n38 (30MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.1	State2	DFT-s-OFDM QPSK	SA	Left Cheek	0	519000	2595	106	1	53	-0.09	0.171	16.83	17.20	1.089	0.186	/
	State2			Left Tilt	0	519000	2595	106	1	53	-0.13	0.188	16.83	17.20	1.089	0.205	/
	State2			Right Cheek	0	519000	2595	106	1	53	0.10	0.431	16.83	17.20	1.089	0.469	/
	State2			Right Tilt	0	519000	2595	106	1	53	0.09	0.523	16.83	17.20	1.089	0.570	/
	State2			Left Cheek	0	519000	2595	106	50	0	-0.10	0.159	16.76	17.20	1.107	0.176	/
	State2			Left Tilt	0	519000	2595	106	50	0	-0.08	0.174	16.76	17.20	1.107	0.193	/
	State2			Right Cheek	0	519000	2595	106	50	0	0.14	0.432	16.76	17.20	1.107	0.478	/
	State2			Right Tilt	0	519000	2595	106	50	0	0.09	0.553	16.76	17.20	1.107	0.612	70#
Ant.1	State4	DFT-s-OFDM QPSK	SA	Left Cheek	0	519000	2595	106	1	53	0.03	0.147	16.29	16.70	1.099	0.162	/
	State4			Left Tilt	0	519000	2595	106	1	53	-0.05	0.159	16.29	16.70	1.099	0.175	/
	State4			Right Cheek	0	519000	2595	106	1	53	0.06	0.374	16.29	16.70	1.099	0.411	/
	State4			Right Tilt	0	519000	2595	106	1	53	0.09	0.452	16.29	16.70	1.099	0.497	/
	State4			Left Cheek	0	519000	2595	106	50	28	-0.12	0.138	16.23	16.70	1.114	0.154	/
	State4			Left Tilt	0	519000	2595	106	50	28	-0.08	0.142	16.23	16.70	1.114	0.158	/
	State4			Right Cheek	0	519000	2595	106	50	28	0.01	0.377	16.23	16.70	1.114	0.420	/
	State4			Right Tilt	0	519000	2595	106	50	28	0.18	0.482	16.23	16.70	1.114	0.537	/
Ant.1	State2	DFT-s-OFDM QPSK	NSA	Left Cheek	0	519000	2595	106	1	53	-0.12	0.071	13.65	13.70	1.012	0.072	/
	State2			Left Tilt	0	519000	2595	106	1	53	0.05	0.085	13.65	13.70	1.012	0.086	/
	State2			Right Cheek	0	519000	2595	106	1	53	-0.10	0.168	13.65	13.70	1.012	0.170	/
	State2			Right Tilt	0	519000	2595	106	1	53	-0.19	0.211	13.65	13.70	1.012	0.214	/
	State2			Left Cheek	0	519000	2595	106	50	28	-0.18	0.062	13.55	13.70	1.035	0.064	/
	State2			Left Tilt	0	519000	2595	106	50	28	-0.18	0.065	13.55	13.70	1.035	0.067	/
	State2			Right Cheek	0	519000	2595	106	50	28	-0.19	0.178	13.55	13.70	1.035	0.184	/
	State2			Right Tilt	0	519000	2595	106	50	28	0.12	0.223	13.55	13.70	1.035	0.231	/
Ant.1	State4	DFT-s-OFDM QPSK	NSA	Left Cheek	0	519000	2595	106	1	53	-0.03	0.061	13.14	13.20	1.014	0.062	/
	State4			Left Tilt	0	519000	2595	106	1	53	-0.04	0.071	13.14	13.20	1.014	0.072	/
	State4			Right Cheek	0	519000	2595	106	1	53	-0.02	0.142	13.14	13.20	1.014	0.144	/
	State4			Right Tilt	0	519000	2595	106	1	53	0.00	0.174	13.14	13.20	1.014	0.176	/
	State4			Left Cheek	0	519000	2595	106	50	0	0.05	0.051	13.11	13.20	1.021	0.052	/
	State4			Left Tilt	0	519000	2595	106	50	0	0.04	0.053	13.11	13.20	1.021	0.054	/
	State4			Right Cheek	0	519000	2595	106	50	0	0.08	0.149	13.11	13.20	1.021	0.152	/
	State4			Right Tilt	0	519000	2595	106	50	0	-0.02	0.179	13.11	13.20	1.021	0.183	/
Ant.4	State2&4	DFT-s-OFDM QPSK	SA	Left Cheek	0	519000	2595	108	1	53	0.04	0.291	21.95	23.70	1.496	0.435	/
	State2&4			Left Tilt	0	519000	2595	108	1	53	0.04	0.089	21.95	23.70	1.496	0.133	/
	State2&4			Right Cheek	0	519000	2595	108	1	53	0.03	0.402	21.95	23.70	1.496	0.601	/
	State2&4			Right Tilt	0	519000	2595	108	1	53	0.02	0.253	21.95	23.70	1.496	0.378	/

	State2&4			Left Cheek	0	519000	2595	108	50	28	-0.13	0.265	22.08	23.70	1.452	0.385	/
	State2&4			Left Tilt	0	519000	2595	108	50	28	0.01	0.083	22.08	23.70	1.452	0.121	/
	State2&4			Right Cheek	0	519000	2595	108	50	28	0.00	0.380	22.08	23.70	1.452	0.552	/
	State2&4			Right Tilt	0	519000	2595	108	50	28	0.18	0.217	22.08	23.70	1.452	0.315	/
Ant.4	State2	DFT-s-OFDM QPSK	NSA	Left Cheek	0	519000	2595	106	1	53	0.16	0.125	20.12	20.20	1.019	0.127	/
	State2			Left Tilt	0	519000	2595	106	1	53	0.03	0.035	20.12	20.20	1.019	0.036	/
	State2			Right Cheek	0	519000	2595	106	1	53	-0.06	0.174	20.12	20.20	1.019	0.177	/
	State2			Right Tilt	0	519000	2595	106	1	53	-0.14	0.106	20.12	20.20	1.019	0.108	/
	State2			Left Cheek	0	519000	2595	106	50	0	0.15	0.121	20.05	20.20	1.035	0.125	/
	State2			Left Tilt	0	519000	2595	106	50	0	-0.14	0.032	20.05	20.20	1.035	0.033	/
	State2			Right Cheek	0	519000	2595	106	50	0	0.03	0.187	20.05	20.20	1.035	0.194	/
	State2			Right Tilt	0	519000	2595	106	50	0	0.00	0.101	20.05	20.20	1.035	0.105	/
Ant.4	State4	DFT-s-OFDM QPSK	NSA	Left Cheek	0	519000	2595	106	1	53	0.11	0.102	19.56	19.70	1.033	0.105	/
	State4			Left Tilt	0	519000	2595	106	1	53	0.16	0.025	19.56	19.70	1.033	0.026	/
	State4			Right Cheek	0	519000	2595	106	1	53	0.10	0.148	19.56	19.70	1.033	0.153	/
	State4			Right Tilt	0	519000	2595	106	1	53	0.02	0.091	19.56	19.70	1.033	0.094	/
	State4			Left Cheek	0	519000	2595	106	50	56	0.17	0.102	19.61	19.70	1.021	0.104	/
	State4			Left Tilt	0	519000	2595	106	50	56	-0.11	0.027	19.61	19.70	1.021	0.028	/
	State4			Right Cheek	0	519000	2595	106	50	56	0.09	0.157	19.61	19.70	1.021	0.160	/
	State4			Right Tilt	0	519000	2595	106	50	56	-0.15	0.085	19.61	19.70	1.021	0.087	/
Ant.0	State2&4	DFT-s-OFDM QPSK	SA	Left Cheek	0	519000	2595	106	1	53	0.15	0.130	23.71	24.70	1.256	0.163	/
	State2&4			Left Tilt	0	519000	2595	106	1	53	-0.10	0.079	23.71	24.70	1.256	0.099	/
	State2&4			Right Cheek	0	519000	2595	106	1	53	0.06	0.228	23.71	24.70	1.256	0.286	/
	State2&4			Right Tilt	0	519000	2595	106	1	53	-0.12	0.083	23.71	24.70	1.256	0.104	/
	State2&4			Left Cheek	0	519000	2595	106	50	28	-0.14	0.105	23.93	24.70	1.194	0.125	/
	State2&4			Left Tilt	0	519000	2595	106	50	28	-0.06	0.062	23.93	24.70	1.194	0.074	/
	State2&4			Right Cheek	0	519000	2595	106	50	28	-0.11	0.196	23.93	24.70	1.194	0.234	/
	State2&4			Right Tilt	0	519000	2595	106	50	28	0.01	0.070	23.93	24.70	1.194	0.084	/
Ant.0	State2&4	DFT-s-OFDM QPSK	NSA	Left Cheek	0	519000	2595	106	1	53	-0.07	0.103	23.71	24.20	1.119	0.115	/
	State2&4			Left Tilt	0	519000	2595	106	1	53	0.11	0.065	23.71	24.20	1.119	0.073	/
	State2&4			Right Cheek	0	519000	2595	106	1	53	-0.09	0.198	23.71	24.20	1.119	0.222	/
	State2&4			Right Tilt	0	519000	2595	106	1	53	0.05	0.071	23.71	24.20	1.119	0.079	/
	State2&4			Left Cheek	0	519000	2595	106	50	28	0.17	0.089	23.93	24.20	1.064	0.095	/
	State2&4			Left Tilt	0	519000	2595	106	50	28	0.09	0.052	23.93	24.20	1.064	0.055	/
	State2&4			Right Cheek	0	519000	2595	106	50	28	0.06	0.168	23.93	24.20	1.064	0.179	/
	State2&4			Right Tilt	0	519000	2595	106	50	28	-0.13	0.058	23.93	24.20	1.064	0.062	/
Body-worn																	
Ant.1	State1	DFT-s-OFDM QPSK	SA	Front Side	15	519000	2595	106	1	53	0.05	0.106	20.69	21.20	1.125	0.119	/
	State1			Back Side	15	519000	2595	106	1	53	0.16	0.147	20.69	21.20	1.125	0.165	/
	State1			Front Side	15	519000	2595	106	50	28	-0.13	0.110	20.81	21.20	1.094	0.120	/
	State1			Back Side	15	519000	2595	106	50	28	-0.11	0.149	20.81	21.20	1.094	0.163	/
Ant.1	State3		SA	Front Side	15	519000	2595	106	1	53	0.14	0.095	20.21	20.70	1.119	0.106	/
	State3			Back Side	15	519000	2595	106	1	53	-0.09	0.129	20.21	20.70	1.119	0.144	/

	State3	DFT-s-		Front Side	15	519000	2595	106	50	0	-0.08	0.102	20.25	20.70	1.109	0.113	/
	State3	OFDM		Back Side	15	519000	2595	106	50	0	0.02	0.125	20.25	20.70	1.109	0.139	/
		QPSK															
Ant.1	State1	DFT-s- OFDM QPSK	NSA	Front Side	15	519000	2595	106	1	53	-0.04	0.042	17.58	17.70	1.028	0.043	/
	Back Side			15	519000	2595	106	1	53	-0.04	0.063	17.58	17.70	1.028	0.065	/	
	Front Side			15	519000	2595	106	50	0	-0.19	0.053	17.55	17.70	1.035	0.055	/	
	Back Side			15	519000	2595	106	50	0	0.02	0.065	17.55	17.70	1.035	0.067	/	
Ant.1	State3	DFT-s- OFDM QPSK	NSA	Front Side	15	519000	2595	106	1	53	0.15	0.032	17.14	17.20	1.014	0.032	/
	Back Side			15	519000	2595	106	1	53	-0.02	0.051	17.14	17.20	1.014	0.052	/	
	Front Side			15	519000	2595	106	50	56	-0.19	0.043	16.92	17.20	1.067	0.046	/	
	Back Side			15	519000	2595	106	50	56	-0.03	0.055	16.92	17.20	1.067	0.059	/	
Ant.4	State1	DFT-s- OFDM QPSK	SA	Front Side	15	519000	2595	106	1	53	0.11	0.082	21.95	23.20	1.334	0.109	/
	Back Side			15	519000	2595	106	1	53	-0.02	0.314	21.95	23.20	1.334	0.419	71#	
	Front Side			15	519000	2595	106	50	56	0.19	0.095	22.14	23.20	1.276	0.121	/	
	Back Side			15	519000	2595	106	50	56	0.17	0.295	22.14	23.20	1.276	0.376	/	
Ant.4	State3	DFT-s- OFDM QPSK	SA	Front Side	15	519000	2595	106	1	53	-0.03	0.071	21.95	22.70	1.189	0.084	/
	Back Side			15	519000	2595	106	1	53	0.05	0.265	21.95	22.70	1.189	0.315	/	
	Front Side			15	519000	2595	106	50	56	0.11	0.083	22.14	22.70	1.138	0.094	/	
	Back Side			15	519000	2595	106	50	56	0.17	0.254	22.14	22.70	1.138	0.289	/	
Ant.4	State1	DFT-s- OFDM QPSK	NSA	Front Side	15	519000	2595	106	1	53	-0.19	0.038	19.56	19.70	1.033	0.039	/
	Back Side			15	519000	2595	106	1	53	0.04	0.128	19.56	19.70	1.033	0.132	/	
	Front Side			15	519000	2595	106	50	56	-0.10	0.045	19.61	19.70	1.021	0.046	/	
	Back Side			15	519000	2595	106	50	56	0.11	0.131	19.61	19.70	1.021	0.134	/	
Ant.4	State3	DFT-s- OFDM QPSK	NSA	Front Side	15	519000	2595	106	1	53	0.16	0.031	18.93	19.20	1.064	0.033	/
	Back Side			15	519000	2595	106	1	53	0.15	0.121	18.93	19.20	1.064	0.129	/	
	Front Side			15	519000	2595	106	50	28	-0.05	0.043	18.92	19.20	1.067	0.046	/	
	Back Side			15	519000	2595	106	50	28	-0.07	0.123	18.92	19.20	1.067	0.131	/	
Ant.0	State1&3	DFT-s- OFDM QPSK	SA	Front Side	15	519000	2595	106	1	53	0.15	0.132	23.71	24.70	1.256	0.166	/
	Back Side			15	519000	2595	106	1	53	-0.16	0.171	23.71	24.70	1.256	0.215	/	
	Front Side			15	519000	2595	106	50	28	-0.17	0.128	23.93	24.70	1.194	0.153	/	
	Back Side			15	519000	2595	106	50	28	-0.11	0.177	23.93	24.70	1.194	0.211	/	
Ant.0	State1	DFT-s- OFDM QPSK	NSA	Front Side	15	519000	2595	106	1	53	0.14	0.106	23.71	24.20	1.119	0.119	/
	Back Side			15	519000	2595	106	1	53	-0.08	0.143	23.71	24.20	1.119	0.160	/	
	Front Side			15	519000	2595	106	50	28	-0.16	0.104	23.93	24.20	1.064	0.111	/	
	Back Side			15	519000	2595	106	50	28	0.07	0.144	23.93	24.20	1.064	0.153	/	
Ant.0	State3	DFT-s- OFDM QPSK	NSA	Front Side	15	519000	2595	106	1	53	-0.13	0.092	23.32	23.70	1.091	0.100	/
	Back Side			15	519000	2595	106	1	53	0.06	0.118	23.32	23.70	1.091	0.129	/	
	Front Side			15	519000	2595	106	50	28	0.04	0.088	23.35	23.70	1.084	0.095	/	
	Back Side			15	519000	2595	106	50	28	0.09	0.121	23.35	23.70	1.084	0.131	/	
Hotspot																	
Ant.1	State3	DFT-s-	SA	Front Side	10	519000	2595	106	1	53	-0.12	0.256	20.21	20.70	1.119	0.286	/
	State3	OFDM		Back Side	10	519000	2595	106	1	53	0.05	0.589	20.21	20.70	1.119	0.659	/
	State3	QPSK		Right Edge	10	519000	2595	106	1	53	0.10	0.288	20.21	20.70	1.119	0.322	/

	State3			Top Edge	10	519000	2595	106	1	53	0.09	0.553	20.21	20.70	1.119	0.619	/
	State3			Front Side	10	519000	2595	106	50	0	0.08	0.265	20.25	20.70	1.109	0.294	/
	State3			Back Side	10	519000	2595	106	50	0	0.09	0.543	20.25	20.70	1.109	0.602	/
	State3			Right Edge	10	519000	2595	106	50	0	-0.12	0.254	20.25	20.70	1.109	0.282	/
	State3			Top Edge	10	519000	2595	106	50	0	0.07	0.563	20.25	20.70	1.109	0.624	/
Ant.1	State3	DFT-s-OFDM QPSK	NSA	Front Side	10	519000	2595	106	1	53	0.06	0.123	17.14	17.20	1.014	0.125	/
	State3			Back Side	10	519000	2595	106	1	53	0.03	0.271	17.14	17.20	1.014	0.275	/
	State3			Right Edge	10	519000	2595	106	1	53	0.06	0.132	17.14	17.20	1.014	0.134	/
	State3			Top Edge	10	519000	2595	106	1	53	0.07	0.235	17.14	17.20	1.014	0.238	/
	State3			Front Side	10	519000	2595	106	50	56	-0.17	0.106	16.92	17.20	1.067	0.113	/
	State3			Back Side	10	519000	2595	106	50	56	-0.17	0.233	16.92	17.20	1.067	0.249	/
	State3			Right Edge	10	519000	2595	106	50	56	0.00	0.106	16.92	17.20	1.067	0.113	/
	State3			Top Edge	10	519000	2595	106	50	56	0.13	0.221	16.92	17.20	1.067	0.236	/
	State3			Top Edge	10	519000	2595	106	50	56	0.13	0.221	16.92	17.20	1.067	0.236	/
Ant.4	State3	DFT-s-OFDM QPSK	SA	Front Side	10	519000	2595	106	1	53	-0.07	0.161	21.95	22.70	1.189	0.191	/
	State3			Back Side	10	519000	2595	106	1	53	0.09	0.688	21.95	22.70	1.189	0.818	/
	State3			Right Edge	10	519000	2595	106	1	53	-0.18	0.634	21.95	22.70	1.189	0.754	/
	State3			Top Edge	10	519000	2595	106	1	53	0.14	0.055	21.95	22.70	1.189	0.065	/
	State3			Front Side	10	519000	2595	106	50	28	0.01	0.161	22.14	22.70	1.138	0.183	/
	State3			Back Side	10	519000	2595	106	50	28	-0.03	0.685	22.14	22.70	1.138	0.780	/
	State3			Right Edge	10	519000	2595	106	50	28	-0.17	0.566	22.14	22.70	1.138	0.644	/
	State3			Top Edge	10	519000	2595	106	50	28	0.14	0.051	22.14	22.70	1.138	0.058	/
	State3			Back Side	10	517000	2585	106	1	53	0.00	0.674	21.93	22.70	1.194	0.805	/
	State3			Back Side	10	521000	2605	106	1	53	-0.14	0.688	21.89	22.70	1.205	0.829	/
	State3			Back Side	10	517000	2585	106	50	56	0.04	0.703	21.95	22.70	1.189	0.836	72#
	State3			Back Side	10	521000	2605	106	50	56	0.19	0.682	22.03	22.70	1.167	0.796	/
	State3			Back Side	10	519000	2595	106	100	0	0.19	0.582	21.44	22.70	1.337	0.778	/
	State3			Back Side	10	519000	2595	106	100	0	0.19	0.582	21.44	22.70	1.337	0.778	/
	State3			Back Side	10	519000	2595	106	100	0	0.19	0.582	21.44	22.70	1.337	0.778	/
Ant.4	State3	DFT-s-OFDM QPSK	NSA	Front Side	10	519000	2595	106	1	53	-0.09	0.068	18.93	19.20	1.064	0.072	/
	State3			Back Side	10	519000	2595	106	1	53	-0.08	0.288	18.93	19.20	1.064	0.306	/
	State3			Left Edge	10	519000	2595	106	1	53	0.14	0.274	18.93	19.20	1.064	0.292	/
	State3			Top Edge	10	519000	2595	106	1	53	-0.13	0.021	18.93	19.20	1.064	0.022	/
	State3			Front Side	10	519000	2595	106	50	28	-0.16	0.066	18.92	19.20	1.067	0.070	/
	State3			Back Side	10	519000	2595	106	50	28	0.02	0.295	18.92	19.20	1.067	0.315	/
	State3			Left Edge	10	519000	2595	106	50	28	0.08	0.000	18.92	19.20	1.067	0.000	/
	State3			Top Edge	10	519000	2595	106	50	28	0.00	0.021	18.92	19.20	1.067	0.022	/
	State3			Top Edge	10	519000	2595	106	50	28	0.00	0.021	18.92	19.20	1.067	0.022	/
Ant.0	State3	DFT-s-OFDM QPSK	SA	Front Side	10	519000	2595	106	1	53	0.12	0.352	23.71	24.70	1.256	0.442	/
	State3			Back Side	10	519000	2595	106	1	53	0.09	0.411	23.71	24.70	1.256	0.516	/
	State3			Left Edge	10	519000	2595	106	1	53	0.08	0.006	23.71	24.70	1.256	0.008	/
	State3			Right Edge	10	519000	2595	106	1	53	-0.17	0.023	23.71	24.70	1.256	0.029	/
	State3			Bottom Edge	10	519000	2595	106	1	53	0.01	0.465	23.71	24.70	1.256	0.584	/
	State3			Front Side	10	519000	2595	106	50	28	-0.17	0.352	23.93	24.70	1.194	0.420	/
	State3			Back Side	10	519000	2595	106	50	28	-0.18	0.384	23.93	24.70	1.194	0.458	/
	State3			Left Edge	10	519000	2595	106	50	28	0.00	0.018	23.93	24.70	1.194	0.021	/
	State3			Right Edge	10	519000	2595	106	50	28	0.12	0.016	23.93	24.70	1.194	0.019	/
	State3			Right Edge	10	519000	2595	106	50	28	0.12	0.016	23.93	24.70	1.194	0.019	/
	State3			Right Edge	10	519000	2595	106	50	28	0.12	0.016	23.93	24.70	1.194	0.019	/

	State3			Bottom Edge	10	519000	2595	106	50	28	-0.13	0.499	23.93	24.70	1.194	0.596	/
Ant.0	State3	DFT-s-OFDM QPSK	NSA	Front Side	10	519000	2595	106	1	53	0.00	0.254	23.32	23.70	1.091	0.277	/
	State3			Back Side	10	519000	2595	106	1	53	-0.01	0.311	23.32	23.70	1.091	0.339	/
	State3			Left Edge	10	519000	2595	106	1	53	0.14	0.003	23.32	23.70	1.091	0.003	/
	State3			Right Edge	10	519000	2595	106	1	53	-0.11	0.016	23.32	23.70	1.091	0.017	/
	State3			Bottom Edge	10	519000	2595	106	1	53	-0.05	0.356	23.32	23.70	1.091	0.388	/
	State3			Front Side	10	519000	2595	106	50	28	-0.07	0.263	23.35	23.70	1.084	0.285	/
	State3			Back Side	10	519000	2595	106	50	28	0.04	0.288	23.35	23.70	1.084	0.312	/
	State3			Left Edge	10	519000	2595	106	50	28	0.06	0.015	23.35	23.70	1.084	0.016	/
	State3			Right Edge	10	519000	2595	106	50	28	0.17	0.011	23.35	23.70	1.084	0.012	/
	State3			Bottom Edge	10	519000	2595	106	50	28	-0.06	0.374	23.35	23.70	1.084	0.405	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant.1	State3	DFT-s-OFDM QPSK	SA	Back Side	0	519000	2595	106	1	53	0.11	1.960	20.21	20.70	1.119	2.193	73#
	State3				0	517000	2585	106	1	53	-0.09	1.840	20.16	20.70	1.132	2.083	/
	State3				0	521000	2605	106	1	53	0.14	1.910	20.11	20.70	1.146	2.189	/
	State3				0	519000	2595	106	50	0	-0.05	1.830	20.25	20.70	1.109	2.029	/
	State3				0	517000	2585	106	50	28	-0.19	1.880	20.24	20.70	1.112	2.091	/
	State3				0	521000	2605	106	50	28	0.01	1.920	20.18	20.70	1.127	2.164	/
	State3				0	521000	2605	106	106	0	0.01	1.790	20.13	20.70	1.140	2.041	/
	State3			Top Edge	0	519000	2595	106	1	53	0.19	1.280	20.21	20.70	1.119	1.432	/
	State3				0	519000	2595	106	50	0	-0.08	1.250	20.25	20.70	1.109	1.386	/
Ant.1	State3	DFT-s-OFDM	NSA	Back Side	0	519000	2595	106	1	53	0.03	0.855	17.14	17.20	1.014	0.867	/
	State3	QPSK			0	519000	2595	106	50	56	0.01	0.808	16.92	17.20	1.067	0.862	/

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

11.23 5G n41 (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.1	State2	DFT-s-OFDM QPSK	SA	Left Cheek	0	518598	2592.99	273	1	137	-0.07	0.233	17.43	17.70	1.064	0.248	/
	State2			Left Tilt	0	518598	2592.99	273	1	137	0.01	0.256	17.43	17.70	1.064	0.272	/
	State2			Right Cheek	0	518598	2592.99	273	1	137	0.11	0.588	17.43	17.70	1.064	0.626	/
	State2			Right Tilt	0	518598	2592.99	273	1	137	-0.16	0.632	17.43	17.70	1.064	0.672	/
	State2			Left Cheek	0	518598	2592.99	273	135	69	-0.13	0.201	17.36	17.70	1.081	0.217	/
	State2			Left Tilt	0	518598	2592.99	273	135	69	-0.04	0.262	17.36	17.70	1.081	0.283	/
	State2			Right Cheek	0	518598	2592.99	273	135	69	-0.09	0.588	17.36	17.70	1.081	0.636	/
	State2			Right Tilt	0	518598	2592.99	273	135	69	0.17	0.868	17.36	17.70	1.081	0.938	74#
	State2			Right Tilt	0	509202	2546.01	273	1	137	0.03	0.823	17.36	17.70	1.081	0.890	/
	State2			Right Tilt	0	513900	2569.5	273	1	137	0.19	0.721	17.40	17.70	1.072	0.773	/
	State2			Right Tilt	0	523302	2616.51	273	1	137	-0.11	0.565	17.38	17.70	1.076	0.608	/
	State2			Right Tilt	0	528000	2640	273	1	137	-0.02	0.577	17.42	17.70	1.067	0.616	/
	State2			Right Tilt	0	509202	2546.01	273	135	69	0.14	0.821	17.33	17.70	1.089	0.894	/
	State2			Right Tilt	0	513900	2569.5	273	135	69	0.04	0.734	17.16	17.70	1.132	0.831	/
	State2			Right Tilt	0	523302	2616.51	273	135	69	0.08	0.545	17.35	17.70	1.084	0.591	/
	State2			Right Tilt	0	528000	2640	273	135	69	0.05	0.549	17.16	17.70	1.132	0.621	/
	State2			Right Tilt	0	518598	2592.99	273	270	0	0.15	0.633	17.32	17.70	1.091	0.691	/
Ant.1	State4	DFT-s-OFDM QPSK	SA	Left Cheek	0	518598	2592.99	273	1	137	-0.14	0.195	16.89	17.20	1.074	0.209	/
	State4			Left Tilt	0	518598	2592.99	273	1	137	0.10	0.218	16.89	17.20	1.074	0.234	/
	State4			Right Cheek	0	518598	2592.99	273	1	137	0.03	0.522	16.89	17.20	1.074	0.561	/
	State4			Right Tilt	0	518598	2592.99	273	1	137	0.09	0.541	16.89	17.20	1.074	0.581	/
	State4			Left Cheek	0	518598	2592.99	273	135	69	-0.03	0.165	16.94	17.20	1.062	0.175	/
	State4			Left Tilt	0	518598	2592.99	273	135	69	-0.16	0.226	16.94	17.20	1.062	0.240	/
	State4			Right Cheek	0	518598	2592.99	273	135	69	-0.14	0.511	16.94	17.20	1.062	0.543	/
	State4			Right Tilt	0	518598	2592.99	273	135	69	0.11	0.743	16.94	17.20	1.062	0.789	/
Ant.1	State2	DFT-s-OFDM QPSK	NSA	Left Cheek	0	518598	2592.99	273	1	137	-0.18	0.062	12.53	12.70	1.040	0.064	/
	State2			Left Tilt	0	518598	2592.99	273	1	137	0.01	0.071	12.53	12.70	1.040	0.074	/
	State2			Right Cheek	0	518598	2592.99	273	1	137	-0.15	0.174	12.53	12.70	1.040	0.181	/
	State2			Right Tilt	0	518598	2592.99	273	1	137	-0.01	0.182	12.53	12.70	1.040	0.189	/
	State2			Left Cheek	0	518598	2592.99	273	135	69	-0.16	0.051	12.43	12.70	1.064	0.054	/
	State2			Left Tilt	0	518598	2592.99	273	135	69	-0.15	0.073	12.43	12.70	1.064	0.078	/
	State2			Right Cheek	0	518598	2592.99	273	135	69	0.01	0.192	12.43	12.70	1.064	0.204	/
	State2			Right Tilt	0	518598	2592.99	273	135	69	-0.17	0.255	12.43	12.70	1.064	0.271	/
Ant.1	State4	DFT-s-OFDM QPSK	NSA	Left Cheek	0	518598	2592.99	273	1	137	0.18	0.051	12.14	12.20	1.014	0.052	/
	State4			Left Tilt	0	518598	2592.99	273	1	137	-0.02	0.061	12.14	12.20	1.014	0.062	/
	State4			Right Cheek	0	518598	2592.99	273	1	137	0.17	0.148	12.14	12.20	1.014	0.150	/

	State4			Right Tilt	0	518598	2592.99	273	1	137	0.11	0.156	12.14	12.20	1.014	0.158	/
	State4			Left Cheek	0	518598	2592.99	273	135	69	-0.09	0.041	12.10	12.20	1.023	0.042	/
	State4			Left Tilt	0	518598	2592.99	273	135	69	-0.09	0.063	12.10	12.20	1.023	0.064	/
	State4			Right Cheek	0	518598	2592.99	273	135	69	-0.04	0.165	12.10	12.20	1.023	0.169	/
	State4			Right Tilt	0	518598	2592.99	273	135	69	0.10	0.218	12.10	12.20	1.023	0.223	/
Ant.4	State2&4	DFT-s-OFDM QPSK	SA	Left Cheek	0	518598	2592.99	273	1	137	0.14	0.398	24.27	25.20	1.239	0.493	/
	State2&4			Left Tilt	0	518598	2592.99	273	1	137	0.10	0.132	24.27	25.20	1.239	0.164	/
	State2&4			Right Cheek	0	518598	2592.99	273	1	137	0.07	0.623	24.27	25.20	1.239	0.772	/
	State2&4			Right Tilt	0	518598	2592.99	273	1	137	-0.15	0.384	24.27	25.20	1.239	0.476	/
	State2&4			Left Cheek	0	518598	2592.99	273	135	69	0.18	0.406	24.30	25.20	1.230	0.499	/
	State2&4			Left Tilt	0	518598	2592.99	273	135	69	-0.10	0.148	24.30	25.20	1.230	0.182	/
	State2&4			Right Cheek	0	518598	2592.99	273	135	69	-0.08	0.606	24.30	25.20	1.230	0.745	/
	State2&4			Right Tilt	0	518598	2592.99	273	135	69	0.06	0.403	24.30	25.20	1.230	0.496	/
Ant.4	State2&4	DFT-s-OFDM QPSK	NSA	Left Cheek	0	518598	2592.99	273	1	137	0.01	0.183	20.18	20.20	1.005	0.184	/
	State2&4			Left Tilt	0	518598	2592.99	273	1	137	0.12	0.062	20.18	20.20	1.005	0.062	/
	State2&4			Right Cheek	0	518598	2592.99	273	1	137	0.11	0.316	20.18	20.20	1.005	0.318	/
	State2&4			Right Tilt	0	518598	2592.99	273	1	137	0.11	0.187	20.18	20.20	1.005	0.188	/
	State2&4			Left Cheek	0	518598	2592.99	273	135	69	0.02	0.193	20.18	20.20	1.005	0.194	/
	State2&4			Left Tilt	0	518598	2592.99	273	135	69	0.12	0.072	20.18	20.20	1.005	0.072	/
	State2&4			Right Cheek	0	518598	2592.99	273	135	69	0.15	0.312	20.18	20.20	1.005	0.314	/
	State2&4			Right Tilt	0	518598	2592.99	273	135	69	0.14	0.222	20.18	20.20	1.005	0.223	/
Ant.0	State2&4	DFT-s-OFDM QPSK	SA	Left Cheek	0	518598	2592.99	273	1	137	-0.16	0.165	24.89	26.20	1.352	0.223	/
	State2&4			Left Tilt	0	518598	2592.99	273	1	137	0.06	0.115	24.89	26.20	1.352	0.155	/
	State2&4			Right Cheek	0	518598	2592.99	273	1	137	0.11	0.323	24.89	26.20	1.352	0.437	/
	State2&4			Right Tilt	0	518598	2592.99	273	1	137	0.09	0.108	24.89	26.20	1.352	0.146	/
	State2&4			Left Cheek	0	518598	2592.99	273	135	69	-0.19	0.178	24.92	26.20	1.343	0.239	/
	State2&4			Left Tilt	0	518598	2592.99	273	135	69	0.08	0.112	24.92	26.20	1.343	0.150	/
	State2&4			Right Cheek	0	518598	2592.99	273	135	69	0.17	0.335	24.92	26.20	1.343	0.450	/
	State2&4			Right Tilt	0	518598	2592.99	273	135	69	0.10	0.107	24.92	26.20	1.343	0.144	/
Ant.0	State2&4	DFT-s-OFDM QPSK	NSA	Left Cheek	0	518598	2592.99	273	1	137	-0.15	0.112	23.82	24.20	1.091	0.122	/
	State2&4			Left Tilt	0	518598	2592.99	273	1	137	-0.17	0.071	23.82	24.20	1.091	0.077	/
	State2&4			Right Cheek	0	518598	2592.99	273	1	137	-0.06	0.213	23.82	24.20	1.091	0.232	/
	State2&4			Right Tilt	0	518598	2592.99	273	1	137	-0.01	0.062	23.82	24.20	1.091	0.068	/
	State2&4			Left Cheek	0	518598	2592.99	273	135	69	-0.10	0.121	23.83	24.20	1.089	0.132	/
	State2&4			Left Tilt	0	518598	2592.99	273	135	69	0.13	0.065	23.83	24.20	1.089	0.071	/
	State2&4			Right Cheek	0	518598	2592.99	273	135	69	-0.13	0.237	23.83	24.20	1.089	0.258	/
	State2&4			Right Tilt	0	518598	2592.99	273	135	69	0.06	0.062	23.83	24.20	1.089	0.068	/
Body-worn																	
Ant.1	State1	DFT-s-OFDM QPSK	SA	Front Side	15	518598	2592.99	273	1	137	0.15	0.162	21.81	22.20	1.094	0.177	/
	State1			Back Side	15	518598	2592.99	273	1	137	0.07	0.376	21.81	22.20	1.094	0.411	/
	State1			Front Side	15	518598	2592.99	273	135	69	-0.07	0.163	21.88	22.20	1.076	0.175	/
	State1			Back Side	15	518598	2592.99	273	135	69	-0.11	0.365	21.88	22.20	1.076	0.393	/
Ant.1	State3		SA	Front Side	15	518598	2592.99	273	1	137	-0.06	0.134	21.29	21.70	1.099	0.147	/

	State3	DFT-s-OFDM QPSK		Back Side	15	518598	2592.99	273	1	137	-0.05	0.321	21.29	21.70	1.099	0.353	/
	State3			Front Side	15	518598	2592.99	273	135	69	0.09	0.132	21.40	21.70	1.072	0.142	/
	State3			Back Side	15	518598	2592.99	273	135	69	-0.09	0.317	21.40	21.70	1.072	0.340	/
Ant.1	State1	DFT-s-OFDM QPSK	NSA	Front Side	15	518598	2592.99	273	1	137	0.18	0.042	17.18	17.20	1.005	0.042	/
	State1			Back Side	15	518598	2592.99	273	1	137	-0.16	0.103	17.18	17.20	1.005	0.104	/
	State1			Front Side	15	518598	2592.99	273	135	69	-0.14	0.041	17.17	17.20	1.007	0.041	/
	State1			Back Side	15	518598	2592.99	273	135	69	0.13	0.101	17.17	17.20	1.007	0.102	/
Ant.1	State3	DFT-s-OFDM QPSK	NSA	Front Side	15	518598	2592.99	273	1	137	-0.16	0.032	16.69	16.70	1.002	0.032	/
	State3			Back Side	15	518598	2592.99	273	1	137	-0.06	0.087	16.69	16.70	1.002	0.087	/
	State3			Front Side	15	518598	2592.99	273	135	69	-0.15	0.031	16.64	16.70	1.014	0.031	/
	State3			Back Side	15	518598	2592.99	273	135	69	-0.08	0.085	16.64	16.70	1.014	0.086	/
Ant.4	State1	DFT-s-OFDM QPSK	SA	Front Side	15	518598	2592.99	273	1	137	0.00	0.091	23.25	24.20	1.245	0.113	/
	State1			Back Side	15	518598	2592.99	273	1	137	0.19	0.323	23.25	24.20	1.245	0.402	/
	State1			Front Side	15	518598	2592.99	273	135	69	0.03	0.098	23.35	24.20	1.216	0.119	/
	State1			Back Side	15	518598	2592.99	273	135	69	-0.09	0.355	23.35	24.20	1.216	0.432	75#
Ant.4	State3	DFT-s-OFDM QPSK	SA	Front Side	15	518598	2592.99	273	1	1	-0.15	0.075	22.75	23.20	1.109	0.083	/
	State3			Back Side	15	518598	2592.99	273	1	1	-0.16	0.274	22.75	23.20	1.109	0.304	/
	State3			Front Side	15	518598	2592.99	273	135	69	-0.12	0.082	22.79	23.20	1.099	0.090	/
	State3			Back Side	15	518598	2592.99	273	135	69	-0.02	0.289	22.79	23.20	1.099	0.318	/
Ant.4	State1	DFT-s-OFDM QPSK	NSA	Front Side	15	518598	2592.99	273	1	137	-0.19	0.051	19.68	19.70	1.005	0.051	/
	State1			Back Side	15	518598	2592.99	273	1	137	0.11	0.188	19.68	19.70	1.005	0.189	/
	State1			Front Side	15	518598	2592.99	273	135	69	-0.16	0.056	19.45	19.70	1.059	0.059	/
	State3			Back Side	15	518598	2592.99	273	135	69	-0.03	0.189	19.45	19.70	1.059	0.200	/
Ant.4	State3	DFT-s-OFDM QPSK	NSA	Front Side	15	518598	2592.99	273	1	137	0.00	0.043	19.17	19.20	1.007	0.043	/
	State3			Back Side	15	518598	2592.99	273	1	137	-0.08	0.165	19.17	19.20	1.007	0.166	/
	State3			Front Side	15	518598	2592.99	273	135	69	0.12	0.041	19.19	19.20	1.002	0.041	/
	State3			Back Side	15	518598	2592.99	273	135	69	-0.15	0.171	19.19	19.20	1.002	0.171	/
Ant.0	State1&3	DFT-s-OFDM QPSK	SA	Front Side	15	518598	2592.99	273	1	137	0.12	0.166	24.89	26.20	1.352	0.224	/
	State1&3			Back Side	15	518598	2592.99	273	1	137	-0.14	0.211	24.89	26.20	1.352	0.285	/
	State1&3			Front Side	15	518598	2592.99	273	135	69	-0.19	0.155	24.92	26.20	1.343	0.208	/
	State1&3			Back Side	15	518598	2592.99	273	135	69	0.07	0.220	24.92	26.20	1.343	0.295	/
Ant.0	State1	DFT-s-OFDM QPSK	NSA	Front Side	15	518598	2592.99	273	1	137	0.04	0.106	22.69	22.70	1.002	0.106	/
	State1			Back Side	15	518598	2592.99	273	1	137	0.14	0.156	22.69	22.70	1.002	0.156	/
	State1			Front Side	15	518598	2592.99	273	135	69	0.00	0.121	22.62	22.70	1.019	0.123	/
	State3			Back Side	15	518598	2592.99	273	135	69	0.19	0.163	22.62	22.70	1.019	0.166	/
Ant.0	State3	DFT-s-OFDM QPSK	NSA	Front Side	15	518598	2592.99	273	1	137	-0.03	0.091	22.18	22.20	1.005	0.091	/
	State3			Back Side	15	518598	2592.99	273	1	137	-0.04	0.133	22.18	22.20	1.005	0.134	/
	State3			Front Side	15	518598	2592.99	273	135	69	-0.13	0.101	22.19	22.20	1.002	0.101	/
	State3			Back Side	15	518598	2592.99	273	135	69	0.11	0.132	22.19	22.20	1.002	0.132	/
Hotspot																	
Ant.1	State3	DFT-s-OFDM QPSK	SA	Front Side	10	518598	2592.99	273	1	137	-0.05	0.231	21.29	21.70	1.099	0.254	/
	State3			Back Side	10	518598	2592.99	273	1	137	0.02	0.506	21.29	21.70	1.099	0.556	/
	State3			Right Edge	10	518598	2592.99	273	1	137	0.17	0.255	21.29	21.70	1.099	0.280	/

	State3			Top Edge	10	518598	2592.99	273	1	137	-0.13	0.545	21.29	21.70	1.099	0.599	/
	State3			Front Side	10	518598	2592.99	273	135	69	-0.13	0.206	21.40	21.70	1.072	0.221	/
	State3			Back Side	10	518598	2592.99	273	135	69	-0.02	0.506	21.40	21.70	1.072	0.542	/
	State3			Right Edge	10	518598	2592.99	273	135	69	-0.13	0.241	21.40	21.70	1.072	0.258	/
	State3			Top Edge	10	518598	2592.99	273	135	69	0.18	0.522	21.40	21.70	1.072	0.560	/
Ant.1	State3	DFT-s-OFDM QPSK	NSA	Front Side	10	518598	2592.99	273	1	137	0.10	0.068	16.69	16.70	1.002	0.068	/
	State3			Back Side	10	518598	2592.99	273	1	137	0.11	0.151	16.69	16.70	1.002	0.151	/
	State3			Right Edge	10	518598	2592.99	273	1	137	0.11	0.085	16.69	16.70	1.002	0.085	/
	State3			Top Edge	10	518598	2592.99	273	1	137	0.00	0.163	16.69	16.70	1.002	0.163	/
	State3			Front Side	10	518598	2592.99	273	135	69	-0.04	0.058	16.64	16.70	1.014	0.059	/
	State3			Back Side	10	518598	2592.99	273	135	69	0.13	0.155	16.64	16.70	1.014	0.157	/
	State3			Right Edge	10	518598	2592.99	273	135	69	-0.14	0.071	16.64	16.70	1.014	0.072	/
	State3			Top Edge	10	518598	2592.99	273	135	69	-0.08	0.159	16.64	16.70	1.014	0.161	/
Ant.4	State3	DFT-s-OFDM QPSK	SA	Front Side	10	518598	2592.99	273	1	1	-0.10	0.176	22.75	23.20	1.109	0.195	/
	State3			Back Side	10	518598	2592.99	273	1	1	-0.18	0.788	22.75	23.20	1.109	0.874	/
	State3			Right Edge	10	518598	2592.99	273	1	1	0.17	0.633	22.75	23.20	1.109	0.702	/
	State3			Top Edge	10	518598	2592.99	273	1	1	0.15	0.061	22.75	23.20	1.109	0.068	/
	State3			Front Side	10	518598	2592.99	273	135	69	-0.03	0.153	22.79	23.20	1.099	0.168	/
	State3			Back Side	10	518598	2592.99	273	135	69	0.04	0.806	22.79	23.20	1.099	0.886	/
	State3			Right Edge	10	518598	2592.99	273	135	69	-0.12	0.602	22.79	23.20	1.099	0.662	/
	State3			Top Edge	10	518598	2592.99	273	135	69	0.14	0.062	22.79	23.20	1.099	0.068	/
	State3			Back Side	10	509202	2546.01	273	1	137	0.10	0.792	22.72	23.20	1.117	0.885	/
	State3			Back Side	10	513900	2569.5	273	1	1	0.11	0.839	22.69	23.20	1.125	0.944	76#
	State3			Back Side	10	523302	2616.51	273	1	137	0.14	0.741	22.70	23.20	1.122	0.831	/
	State3			Back Side	10	528000	2640	273	1	1	-0.01	0.623	22.60	23.20	1.148	0.715	/
	State3			Back Side	10	509202	2546.01	273	135	69	0.08	0.822	22.61	23.20	1.146	0.942	/
	State3			Back Side	10	513900	2569.5	273	135	0	-0.13	0.813	22.73	23.20	1.114	0.906	/
	State3			Back Side	10	523302	2616.51	273	135	0	0.02	0.721	22.70	23.20	1.122	0.809	/
	State3			Back Side	10	528000	2640	273	135	138	0.06	0.654	22.78	23.20	1.102	0.721	/
	State3			Back Side	10	518598	2592.99	273	270	0	0.10	0.571	22.81	23.20	1.094	0.625	/
Ant.4	State3	DFT-s-OFDM QPSK	NSA	Front Side	10	518598	2592.99	273	1	137	0.16	0.085	19.17	19.20	1.007	0.086	/
	State3			Back Side	10	518598	2592.99	273	1	137	0.02	0.388	19.17	19.20	1.007	0.391	/
	State3			Right Edge	10	518598	2592.99	273	1	137	-0.14	0.374	19.17	19.20	1.007	0.377	/
	State3			Top Edge	10	518598	2592.99	273	1	137	-0.02	0.031	19.17	19.20	1.007	0.031	/
	State3			Front Side	10	518598	2592.99	273	135	69	-0.10	0.085	19.19	19.20	1.002	0.085	/
	State3			Back Side	10	518598	2592.99	273	135	69	-0.08	0.406	19.19	19.20	1.002	0.407	/
	State3			Right Edge	10	518598	2592.99	273	135	69	-0.02	0.344	19.19	19.20	1.002	0.345	/
	State3			Top Edge	10	518598	2592.99	273	135	69	-0.11	0.021	19.19	19.20	1.002	0.021	/
	State3			Front Side	10	518598	2592.99	273	1	137	-0.18	0.372	24.89	26.20	1.352	0.503	/
	State3			Back Side	10	518598	2592.99	273	1	137	0.06	0.436	24.89	26.20	1.352	0.589	/
Ant.0	State3	DFT-s-OFDM QPSK	SA	Left Edge	10	518598	2592.99	273	1	137	-0.13	0.019	24.89	26.20	1.352	0.026	/
	State3			Right Edge	10	518598	2592.99	273	1	137	0.06	0.015	24.89	26.20	1.352	0.020	/
	State3			Bottom Edge	10	518598	2592.99	273	1	137	0.07	0.509	24.89	26.20	1.352	0.688	/

	State3			Front Side	10	518598	2592.99	273	135	69	-0.18	0.333	24.92	26.20	1.343	0.447	/
	State3			Back Side	10	518598	2592.99	273	135	69	0.00	0.437	24.92	26.20	1.343	0.587	/
	State3			Left Edge	10	518598	2592.99	273	135	69	0.17	0.032	24.92	26.20	1.343	0.043	/
	State3			Right Edge	10	518598	2592.99	273	135	69	0.12	0.011	24.92	26.20	1.343	0.015	/
	State3			Bottom Edge	10	518598	2592.99	273	135	69	-0.17	0.493	24.92	26.20	1.343	0.662	/
Ant.0	State3	DFT-s-OFDM	NSA	Front Side	10	518598	2592.99	273	1	137	-0.13	0.216	22.18	22.20	1.005	0.217	/
	State3			Back Side	10	518598	2592.99	273	1	137	0.16	0.233	22.18	22.20	1.005	0.234	/
	State3			Left Edge	10	518598	2592.99	273	1	137	0.14	0.012	22.18	22.20	1.005	0.012	/
	State3			Right Edge	10	518598	2592.99	273	1	137	0.11	0.007	22.18	22.20	1.005	0.007	/
	State3			Bottom Edge	10	518598	2592.99	273	1	137	-0.01	0.277	22.18	22.20	1.005	0.278	/
	State3	QPSK	NSA	Front Side	10	518598	2592.99	273	135	69	-0.17	0.165	22.19	22.20	1.002	0.165	/
	State3			Back Side	10	518598	2592.99	273	135	69	0.02	0.236	22.19	22.20	1.002	0.236	/
	State3			Left Edge	10	518598	2592.99	273	135	69	-0.10	0.011	22.19	22.20	1.002	0.011	/
	State3			Left Edge	10	518598	2592.99	273	135	69	-0.14	0.008	22.19	22.20	1.002	0.008	/
	State3			Bottom Edge	10	518598	2592.99	273	135	69	0.13	0.265	22.19	22.20	1.002	0.266	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant.1	State3	DFT-s-OFDM	SA	Back Side	0	518598	2592.99	273	1	137	-0.16	1.560	21.29	21.70	1.099	1.714	/
	State3			Top Edge	0	518598	2592.99	273	1	137	-0.02	1.780	21.29	21.70	1.099	1.956	/
	State3			Back Side	0	518598	2592.99	273	135	69	-0.04	1.510	21.40	21.70	1.072	1.619	/
	State3			Top Edge	0	518598	2592.99	273	135	69	-0.11	1.740	21.40	21.70	1.072	1.865	/
Ant.4	State3	DFT-s-OFDM	SA	Back Side	0	518598	2592.99	273	1	1	0.06	2.190	22.75	23.20	1.109	2.429	/
	State3			Back Side	0	518598	2592.99	273	135	69	0.01	2.230	22.79	23.20	1.099	2.451	/
	State3			Back Side	0	509202	2546.01	273	1	137	0.07	2.120	22.72	23.20	1.117	2.368	/
	State3			Back Side	0	513900	2569.5	273	1	137	0.02	2.390	22.69	23.20	1.125	2.689	77#
	State3			Back Side	0	523302	2616.51	273	1	137	-0.13	2.150	22.70	23.20	1.122	2.412	/
	State3			Back Side	0	528000	2640	273	1	137	-0.18	2.210	22.60	23.20	1.148	2.537	/
	State3			Back Side	0	509202	2546.01	273	135	69	0.04	2.130	22.61	23.20	1.146	2.441	/
	State3			Back Side	0	513900	2569.5	273	135	69	0.19	2.260	22.73	23.20	1.114	2.518	/
	State3			Back Side	0	523302	2616.51	273	135	69	-0.05	2.140	22.70	23.20	1.122	2.401	/
	State3			Back Side	0	528000	2640	273	135	69	0.06	2.270	22.78	23.20	1.102	2.502	/
	State3			Back Side	0	518598	2592.99	273	270	0	0.01	2.020	22.81	23.20	1.094	2.210	/

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

11.24 5G n66 (40MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.1	State2	DFT-s-OFDM QPSK	SA	Left Cheek	0	349000	1745	216	1	214	-0.02	0.465	19.47	19.70	1.054	0.490	/
	State2			Left Tilt	0	349000	1745	216	1	214	0.06	0.622	19.47	19.70	1.054	0.656	/
	State2			Right Cheek	0	349000	1745	216	1	214	0.05	0.735	19.47	19.70	1.054	0.775	/
	State2			Right Tilt	0	349000	1745	216	1	214	-0.02	0.823	19.47	19.70	1.054	0.867	/
	State2			Left Cheek	0	349000	1745	216	108	0	-0.18	0.434	19.26	19.70	1.107	0.480	/
	State2			Left Tilt	0	349000	1745	216	108	0	-0.04	0.622	19.26	19.70	1.107	0.689	/
	State2			Right Cheek	0	349000	1745	216	108	0	0.12	0.747	19.26	19.70	1.107	0.827	/
	State2			Right Tilt	0	349000	1745	216	108	0	0.05	0.865	19.26	19.70	1.107	0.958	/
	State2			Right Tilt	0	346000	1730	216	1	214	0.04	0.823	19.43	19.70	1.064	0.876	/
	State2			Right Tilt	0	350000	1750	216	1	108	0.03	0.904	19.11	19.70	1.146	1.036	78#
	State2			Right Tilt	0	346000	1730	216	108	108	0.17	0.844	19.06	19.70	1.159	0.978	/
	State2			Right Tilt	0	350000	1750	216	108	54	-0.06	0.876	19.10	19.70	1.148	1.006	/
	State2			Right Tilt	0	349000	1745	216	216	0	0.02	0.703	19.15	19.70	1.135	0.798	/
	State2			Right Tilt	0	349000	1745	216	216	0	0.02	0.703	19.15	19.70	1.135	0.798	/
Ant.1	State4	DFT-s-OFDM QPSK	SA	Left Cheek	0	349000	1745	216	1	108	-0.09	0.406	18.61	19.20	1.146	0.465	/
	State4			Left Tilt	0	349000	1745	216	1	108	-0.14	0.543	18.61	19.20	1.146	0.622	/
	State4			Right Cheek	0	349000	1745	216	1	108	-0.12	0.632	18.61	19.20	1.146	0.724	/
	State4			Right Tilt	0	349000	1745	216	1	108	-0.02	0.721	18.61	19.20	1.146	0.826	/
	State4			Left Cheek	0	349000	1745	216	108	54	-0.09	0.374	18.77	19.20	1.104	0.413	/
	State4			Left Tilt	0	349000	1745	216	108	54	0.07	0.545	18.77	19.20	1.104	0.602	/
	State4			Right Cheek	0	349000	1745	216	108	54	-0.16	0.633	18.77	19.20	1.104	0.699	/
	State4			Right Tilt	0	349000	1745	216	108	54	-0.06	0.758	18.77	19.20	1.104	0.837	/
	State4			Right Tilt	0	346000	1730	216	1	108	0.13	0.721	18.55	19.20	1.161	0.837	/
	State4			Right Tilt	0	350000	1750	216	1	108	0.04	0.774	18.59	19.20	1.151	0.891	/
	State4			Right Tilt	0	346000	1730	216	108	54	0.17	0.732	18.63	19.20	1.140	0.834	/
	State4			Right Tilt	0	350000	1750	216	108	54	-0.06	0.761	18.70	19.20	1.122	0.854	/
	State4			Right Tilt	0	349000	1745	216	216	0	-0.08	0.606	18.65	19.20	1.135	0.688	/
	State4			Right Tilt	0	349000	1745	216	216	0	-0.08	0.606	18.65	19.20	1.135	0.688	/
Ant.1	State2	DFT-s-OFDM QPSK	NSA	Left Cheek	0	349000	1745	216	1	1	0.09	0.189	16.05	16.20	1.035	0.196	/
	State2			Left Tilt	0	349000	1745	216	1	1	0.04	0.265	16.05	16.20	1.035	0.274	/
	State2			Right Cheek	0	349000	1745	216	1	1	-0.01	0.303	16.05	16.20	1.035	0.314	/
	State2			Right Tilt	0	349000	1745	216	1	1	-0.14	0.354	16.05	16.20	1.035	0.366	/
	State2			Left Cheek	0	349000	1745	216	108	0	-0.01	0.174	16.02	16.20	1.042	0.181	/
	State2			Left Tilt	0	349000	1745	216	108	0	0.11	0.263	16.02	16.20	1.042	0.274	/
	State2			Right Cheek	0	349000	1745	216	108	0	0.16	0.306	16.02	16.20	1.042	0.319	/
	State2			Right Tilt	0	349000	1745	216	108	0	0.14	0.369	16.02	16.20	1.042	0.384	/
Ant.1	State4		NSA	Left Cheek	0	349000	1745	216	1	108	-0.12	0.155	15.52	15.70	1.042	0.162	/
	State4			Left Tilt	0	349000	1745	216	1	108	0.03	0.223	15.52	15.70	1.042	0.232	/

	State4	DFT-s-OFDM	QPSK		Right Cheek	0	349000	1745	216	1	108	0.16	0.267	15.52	15.70	1.042	0.278	/
	State4				Right Tilt	0	349000	1745	216	1	108	0.13	0.301	15.52	15.70	1.042	0.314	/
	State4				Left Cheek	0	349000	1745	216	108	54	-0.05	0.165	15.66	15.70	1.009	0.166	/
	State4				Left Tilt	0	349000	1745	216	108	54	-0.15	0.228	15.66	15.70	1.009	0.230	/
	State4				Right Cheek	0	349000	1745	216	108	54	-0.11	0.263	15.66	15.70	1.009	0.265	/
	State4				Right Tilt	0	349000	1745	216	108	54	0.04	0.311	15.66	15.70	1.009	0.314	/
Ant.4	State2&4	DFT-s-OFDM	QPSK	SA	Left Cheek	0	349000	1745	216	1	108	0.02	0.029	22.18	23.70	1.419	0.041	/
	State2&4				Left Tilt	0	349000	1745	216	1	108	-0.15	0.016	22.18	23.70	1.419	0.023	/
	State2&4				Right Cheek	0	349000	1745	216	1	108	0.06	0.051	22.18	23.70	1.419	0.072	/
	State2&4				Right Tilt	0	349000	1745	216	1	108	0.14	0.032	22.18	23.70	1.419	0.045	/
	State2&4				Left Cheek	0	349000	1745	216	108	54	0.03	0.025	22.31	23.70	1.377	0.034	/
	State2&4				Left Tilt	0	349000	1745	216	108	54	0.15	0.011	22.31	23.70	1.377	0.015	/
	State2&4				Right Cheek	0	349000	1745	216	108	54	0.16	0.043	22.31	23.70	1.377	0.059	/
	State2&4				Right Tilt	0	349000	1745	216	108	54	0.00	0.021	22.31	23.70	1.377	0.029	/
	State2&4																	
Ant.4	State2&4	DFT-s-OFDM	QPSK	NSA	Left Cheek	0	349000	1745	216	1	108	-0.17	0.021	22.18	23.20	1.265	0.027	/
	State2&4				Left Tilt	0	349000	1745	216	1	108	-0.19	0.011	22.18	23.20	1.265	0.014	/
	State2&4				Right Cheek	0	349000	1745	216	1	108	0.19	0.043	22.18	23.20	1.265	0.054	/
	State2&4				Right Tilt	0	349000	1745	216	1	108	0.18	0.025	22.18	23.20	1.265	0.032	/
	State2&4				Left Cheek	0	349000	1745	216	108	54	-0.11	0.021	22.29	23.20	1.233	0.026	/
	State2&4				Left Tilt	0	349000	1745	216	108	54	-0.06	0.006	22.29	23.20	1.233	0.007	/
	State2&4				Right Cheek	0	349000	1745	216	108	54	-0.15	0.039	22.29	23.20	1.233	0.048	/
	State2&4				Right Tilt	0	349000	1745	216	108	54	0.04	0.021	22.29	23.20	1.233	0.026	/
	State2&4																	
Ant.0	State2&4	DFT-s-OFDM	QPSK	SA	Left Cheek	0	349000	1745	216	1	108	0.05	0.080	23.12	24.70	1.439	0.115	/
	State2&4				Left Tilt	0	349000	1745	216	1	108	-0.10	0.061	23.12	24.70	1.439	0.088	/
	State2&4				Right Cheek	0	349000	1745	216	1	108	0.02	0.093	23.12	24.70	1.439	0.134	/
	State2&4				Right Tilt	0	349000	1745	216	1	108	0.06	0.056	23.12	24.70	1.439	0.081	/
	State2&4				Left Cheek	0	349000	1745	216	108	54	0.06	0.062	23.12	24.70	1.439	0.089	/
	State2&4				Left Tilt	0	349000	1745	216	108	54	0.08	0.047	23.12	24.70	1.439	0.068	/
	State2&4				Right Cheek	0	349000	1745	216	108	54	0.10	0.073	23.12	24.70	1.439	0.105	/
	State2&4				Right Tilt	0	349000	1745	216	108	54	0.11	0.045	23.12	24.70	1.439	0.065	/
	State2&4																	
Ant.0	State2&4	DFT-s-OFDM	QPSK	NSA	Left Cheek	0	349000	1745	216	1	108	-0.06	0.065	23.12	24.20	1.282	0.083	/
	State2&4				Left Tilt	0	349000	1745	216	1	108	-0.06	0.051	23.12	24.20	1.282	0.065	/
	State2&4				Right Cheek	0	349000	1745	216	1	108	-0.12	0.082	23.12	24.20	1.282	0.105	/
	State2&4				Right Tilt	0	349000	1745	216	1	108	-0.11	0.052	23.12	24.20	1.282	0.067	/
	State2&4				Left Cheek	0	349000	1745	216	108	54	0.07	0.059	23.12	24.20	1.282	0.076	/
	State2&4				Left Tilt	0	349000	1745	216	108	54	0.18	0.038	23.12	24.20	1.282	0.049	/
	State2&4				Right Cheek	0	349000	1745	216	108	54	-0.12	0.062	23.12	24.20	1.282	0.079	/
	State2&4				Right Tilt	0	349000	1745	216	108	54	-0.17	0.043	23.12	24.20	1.282	0.055	/
	State2&4																	
Body-worn																		
Ant.1	State1	DFT-s-OFDM	QPSK	SA	Front Side	15	349000	1745	216	1	108	-0.16	0.195	22.83	23.20	1.089	0.212	/
	State1				Back Side	15	349000	1745	216	1	108	0.17	0.201	22.83	23.20	1.089	0.219	/
	State1				Front Side	15	349000	1745	216	108	54	-0.15	0.202	22.81	23.20	1.094	0.221	/
	State1				Back Side	15	349000	1745	216	108	54	0.13	0.208	22.81	23.20	1.094	0.228	/

Ant.1	State3	DFT-s-OFDM QPSK	SA	Front Side	15	349000	1745	216	1	108	0.06	0.165	22.05	22.70	1.161	0.192	/
	State3			Back Side	15	349000	1745	216	1	108	0.19	0.169	22.05	22.70	1.161	0.196	/
	State3			Front Side	15	349000	1745	216	108	108	0.09	0.174	22.02	22.70	1.169	0.203	/
	State3			Back Side	15	349000	1745	216	108	108	-0.16	0.188	22.02	22.70	1.169	0.220	/
Ant.1	State1	DFT-s-OFDM QPSK	NSA	Front Side	15	349000	1745	216	1	108	0.18	0.081	19.55	19.70	1.035	0.084	/
	State1			Back Side	15	349000	1745	216	1	108	0.08	0.086	19.55	19.70	1.035	0.089	/
	State1			Front Side	15	349000	1745	216	108	54	0.17	0.082	19.67	19.70	1.007	0.083	/
	State1			Back Side	15	349000	1745	216	108	54	0.04	0.091	19.67	19.70	1.007	0.092	/
Ant.1	State3	DFT-s-OFDM QPSK	NSA	Front Side	15	349000	1745	216	1	108	0.03	0.068	19.05	19.20	1.035	0.070	/
	State3			Back Side	15	349000	1745	216	1	108	-0.03	0.069	19.05	19.20	1.035	0.071	/
	State3			Front Side	15	349000	1745	216	108	54	-0.07	0.071	19.17	19.20	1.007	0.071	/
	State3			Back Side	15	349000	1745	216	108	54	-0.07	0.077	19.17	19.20	1.007	0.078	/
Ant.4	State1&3	DFT-s-OFDM QPSK	SA	Front Side	15	349000	1745	216	1	108	-0.15	0.017	22.18	23.70	1.419	0.024	/
	State1&3			Back Side	15	349000	1745	216	1	108	0.03	0.037	22.18	23.70	1.419	0.053	/
	State1&3			Front Side	15	349000	1745	216	108	54	-0.13	0.015	22.31	23.70	1.377	0.021	/
	State1&3			Back Side	15	349000	1745	216	108	54	-0.01	0.031	22.31	23.70	1.377	0.043	/
Ant.4	State1&3	DFT-s-OFDM QPSK	NSA	Front Side	15	349000	1745	216	1	108	-0.06	0.013	22.18	23.20	1.265	0.016	/
	State1&3			Back Side	15	349000	1745	216	1	108	0.05	0.031	22.18	23.20	1.265	0.039	/
	State1&3			Front Side	15	349000	1745	216	108	54	-0.05	0.011	22.29	23.20	1.233	0.014	/
	State1&3			Back Side	15	349000	1745	216	108	54	0.10	0.026	22.29	23.20	1.233	0.032	/
Ant.0	State1	DFT-s-OFDM QPSK	SA	Front Side	15	349000	1745	216	1	108	-0.05	0.132	21.85	22.20	1.084	0.143	/
	State1			Back Side	15	349000	1745	216	1	108	0.11	0.251	21.85	22.20	1.084	0.272	79#
	State1			Front Side	15	349000	1745	216	108	54	0.13	0.131	21.97	22.20	1.054	0.138	/
	State1			Back Side	15	349000	1745	216	108	54	-0.08	0.241	21.97	22.20	1.054	0.254	/
Ant.0	State3	DFT-s-OFDM QPSK	SA	Front Side	15	349000	1745	216	1	108	0.16	0.106	21.38	21.70	1.076	0.114	/
	State3			Back Side	15	349000	1745	216	1	108	-0.01	0.218	21.38	21.70	1.076	0.235	/
	State3			Front Side	15	349000	1745	216	108	54	0.00	0.107	21.49	21.70	1.050	0.112	/
	State3			Back Side	15	349000	1745	216	108	54	-0.11	0.206	21.49	21.70	1.050	0.216	/
Ant.0	State1	DFT-s-OFDM QPSK	NSA	Front Side	15	349000	1745	216	1	108	0.00	0.051	18.63	18.70	1.016	0.052	/
	State1			Back Side	15	349000	1745	216	1	108	-0.06	0.103	18.63	18.70	1.016	0.105	/
	State1			Front Side	15	349000	1745	216	108	54	0.01	0.051	18.69	18.70	1.002	0.051	/
	State1			Back Side	15	349000	1745	216	108	54	-0.08	0.098	18.69	18.70	1.002	0.098	/
Ant.0	State3	DFT-s-OFDM QPSK	NSA	Front Side	15	349000	1745	216	1	108	0.15	0.041	18.13	18.20	1.016	0.042	/
	State3			Back Side	15	349000	1745	216	1	108	-0.16	0.088	18.13	18.20	1.016	0.089	/
	State3			Front Side	15	349000	1745	216	108	54	0.16	0.043	18.09	18.20	1.026	0.044	/
	State3			Back Side	15	349000	1745	216	108	54	-0.17	0.083	18.09	18.20	1.026	0.085	/
Hotspot																	
Ant.1	State3	DFT-s-OFDM QPSK	SA	Front Side	10	349000	1745	216	1	108	-0.10	0.226	22.05	22.70	1.161	0.262	/
	State3			Back Side	10	349000	1745	216	1	108	0.15	0.247	22.05	22.70	1.161	0.287	/
	State3			Right Edge	10	349000	1745	216	1	108	0.13	0.052	22.05	22.70	1.161	0.060	/
	State3			Top Edge	10	349000	1745	216	1	108	-0.06	0.480	22.05	22.70	1.161	0.557	/
	State3			Front Side	10	349000	1745	216	108	108	0.06	0.241	22.02	22.70	1.169	0.282	/
	State3			Back Side	10	349000	1745	216	108	108	0.03	0.223	22.02	22.70	1.169	0.261	/

	State3			Right Edge	10	349000	1745	216	108	108	0.12	0.061	22.02	22.70	1.169	0.071	/
	State3			Top Edge	10	349000	1745	216	108	108	0.01	0.466	22.02	22.70	1.169	0.545	/
	State3	DFT-s-OFDM QPSK	NSA	Front Side	10	349000	1745	216	1	108	0.09	0.112	19.05	19.20	1.035	0.116	/
	State3			Back Side	10	349000	1745	216	1	108	0.14	0.123	19.05	19.20	1.035	0.127	/
	State3			Right Edge	10	349000	1745	216	1	108	0.07	0.025	19.05	19.20	1.035	0.026	/
	State3			Top Edge	10	349000	1745	216	1	108	0.17	0.223	19.05	19.20	1.035	0.231	/
	State3			Front Side	10	349000	1745	216	108	54	-0.05	0.118	19.17	19.20	1.007	0.119	/
	State3			Back Side	10	349000	1745	216	108	54	0.17	0.123	19.17	19.20	1.007	0.124	/
	State3			Right Edge	10	349000	1745	216	108	54	0.06	0.026	19.17	19.20	1.007	0.026	/
	State3			Top Edge	10	349000	1745	216	108	54	0.18	0.232	19.17	19.20	1.007	0.234	/
	State3			Front Side	10	349000	1745	216	1	108	-0.03	0.032	22.18	23.70	1.419	0.045	/
	State3			Back Side	10	349000	1745	216	1	108	0.08	0.070	22.18	23.70	1.419	0.099	/
	State3			Right Edge	10	349000	1745	216	1	108	0.05	0.021	22.18	23.70	1.419	0.030	/
	State3			Top Edge	10	349000	1745	216	1	108	-0.05	0.016	22.18	23.70	1.419	0.023	/
Ant.4	State3	DFT-s-OFDM QPSK	SA	Front Side	10	349000	1745	216	108	54	0.04	0.028	22.31	23.70	1.377	0.039	/
	State3			Back Side	10	349000	1745	216	108	54	0.08	0.063	22.31	23.70	1.377	0.087	/
	State3			Right Edge	10	349000	1745	216	108	54	0.19	0.050	22.31	23.70	1.377	0.069	/
	State3			Top Edge	10	349000	1745	216	108	54	0.00	0.006	22.31	23.70	1.377	0.008	/
	State3		NSA	Front Side	10	349000	1745	216	1	108	-0.05	0.027	22.18	23.20	1.265	0.034	/
	State3			Back Side	10	349000	1745	216	1	108	0.03	0.058	22.18	23.20	1.265	0.073	/
	State3			Right Edge	10	349000	1745	216	1	108	-0.16	0.021	22.18	23.20	1.265	0.027	/
	State3			Top Edge	10	349000	1745	216	1	108	0.13	0.016	22.18	23.20	1.265	0.020	/
	State3			Front Side	10	349000	1745	216	108	54	-0.13	0.021	22.29	23.20	1.233	0.026	/
	State3			Back Side	10	349000	1745	216	108	54	0.00	0.053	22.29	23.20	1.233	0.065	/
	State3			Right Edge	10	349000	1745	216	108	54	-0.14	0.044	22.29	23.20	1.233	0.054	/
	State3			Top Edge	10	349000	1745	216	108	54	-0.16	0.003	22.29	23.20	1.233	0.004	/
Ant.0	State3	DFT-s-OFDM QPSK	SA	Front Side	10	349000	1745	216	1	108	0.03	0.251	21.38	21.70	1.076	0.270	/
	State3			Back Side	10	349000	1745	216	1	108	-0.19	0.504	21.38	21.70	1.076	0.542	/
	State3			Left Edge	10	349000	1745	216	1	108	-0.14	0.151	21.38	21.70	1.076	0.162	/
	State3			Right Edge	10	349000	1745	216	1	108	-0.01	0.011	21.38	21.70	1.076	0.012	/
	State3			Bottom Edge	10	349000	1745	216	1	108	-0.06	0.681	21.38	21.70	1.076	0.733	80#
	State3			Front Side	10	349000	1745	216	108	54	0.02	0.251	21.49	21.70	1.050	0.264	/
	State3			Back Side	10	349000	1745	216	108	54	-0.03	0.487	21.49	21.70	1.050	0.511	/
	State3			Left Edge	10	349000	1745	216	108	54	-0.12	0.177	21.49	21.70	1.050	0.186	/
	State3			Right Edge	10	349000	1745	216	108	54	0.12	0.032	21.49	21.70	1.050	0.034	/
	State3			Bottom Edge	10	349000	1745	216	108	54	-0.16	0.655	21.49	21.70	1.050	0.688	/
	State3	DFT-s-OFDM QPSK	NSA	Front Side	10	349000	1745	216	1	108	-0.14	0.106	18.13	18.20	1.016	0.108	/
	State3			Back Side	10	349000	1745	216	1	108	0.17	0.219	18.13	18.20	1.016	0.223	/
	State3			Left Edge	10	349000	1745	216	1	108	-0.09	0.063	18.13	18.20	1.016	0.064	/
	State3			Right Edge	10	349000	1745	216	1	108	0.18	0.004	18.13	18.20	1.016	0.004	/
	State3			Bottom Edge	10	349000	1745	216	1	108	-0.04	0.311	18.13	18.20	1.016	0.316	/
	State3			Front Side	10	349000	1745	216	108	54	0.16	0.102	18.09	18.20	1.026	0.105	/
	State3			Back Side	10	349000	1745	216	108	54	0.17	0.228	18.09	18.20	1.026	0.234	/

	State3			Left Edge	10	349000	1745	216	108	54	0.00	0.074	18.09	18.20	1.026	0.076	/
	State3			Right Edge	10	349000	1745	216	108	54	0.05	0.013	18.09	18.20	1.026	0.013	/
	State3			Bottom Edge	10	349000	1745	216	108	54	0.16	0.287	18.09	18.20	1.026	0.294	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.

Specific

Ant.0	State3	DFT-s-OFDM	SA	Bottom Edge	0	349000	1745	216	1	108	-0.02	1.570	21.38	21.70	1.076	1.689	81#
	State3	QPSK			0	349000	1745	216	108	54	0.03	1.520	21.49	21.70	1.050	1.596	/
Ant.0	State3	DFT-s-OFDM QPSK	NSA	Bottom Edge	0	349000	1745	216	1	108	0.02	0.686	18.13	18.20	1.016	0.697	/

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

11.25 WIFI 2.4GHZ

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 7	Level1	802.11	Left Cheek	0	6	2437	-0.08	0.311	14.12	14.50	1.091	99.55	1.005	0.341	82#
	Level1		Left Tilt	0	6	2437	-0.05	0.244	14.12	14.50	1.091	99.55	1.005	0.268	/
	Level1		Right Cheek	0	6	2437	-0.06	0.163	14.12	14.50	1.091	99.55	1.005	0.179	/
	Level1		Right Tilt	0	6	2437	0.13	0.171	14.12	14.50	1.091	99.55	1.005	0.187	/
	Level2	802.11	Left Cheek	0	6	2437	0.09	0.142	10.62	11.00	1.091	99.55	1.005	0.156	/
	Level2		Left Tilt	0	6	2437	-0.08	0.112	10.62	11.00	1.091	99.55	1.005	0.123	/
	Level2		Right Cheek	0	6	2437	-0.01	0.065	10.62	11.00	1.091	99.55	1.005	0.071	/
	Level2		Right Tilt	0	6	2437	0.00	0.079	10.62	11.00	1.091	99.55	1.005	0.087	/
Body-worn															
Ant. 7	Level3	802.11	Front Side	15	6	2437	-0.14	0.021	14.12	14.50	1.091	99.55	1.005	0.023	/
	Level3	b	Back Side	15	6	2437	-0.03	0.050	14.12	14.50	1.091	99.55	1.005	0.055	83#
	Level4	802.11	Front Side	15	6	2437	0.04	0.016	13.01	13.50	1.119	99.55	1.005	0.018	/
	Level4	b	Back Side	15	6	2437	0.14	0.042	13.01	13.50	1.119	99.55	1.005	0.047	/
Hotspot															
Ant. 7	Level3	802.11	Front Side	10	6	2437	-0.05	0.061	14.12	14.50	1.091	99.55	1.005	0.067	/
	Level3		Back Side	10	6	2437	-0.02	0.125	14.12	14.50	1.091	99.55	1.005	0.137	84#
	Level3		Left Edge	10	6	2437	0.12	0.044	14.12	14.50	1.091	99.55	1.005	0.048	/
	Level3		Right Edge	10	6	2437	0.12	0.022	14.12	14.50	1.091	99.55	1.005	0.024	/
	Level3		Top Edge	10	6	2437	0.02	0.092	14.12	14.50	1.091	99.55	1.005	0.101	/
	Level3		Bottom Edge	10	6	2437	-0.04	0.011	14.12	14.50	1.091	99.55	1.005	0.012	/
	Level4	802.11	Front Side	10	6	2437	0.06	0.064	13.01	13.50	1.119	99.55	1.005	0.072	/
	Level4		Back Side	10	6	2437	0.14	0.096	13.01	13.50	1.119	99.55	1.005	0.108	/
	Level4		Left Edge	10	6	2437	0.09	0.049	13.01	13.50	1.119	99.55	1.005	0.055	/
	Level4		Right Edge	10	6	2437	-0.02	0.005	13.01	13.50	1.119	99.55	1.005	0.006	/
	Level4		Top Edge	10	6	2437	0.18	0.094	13.01	13.50	1.119	99.55	1.005	0.106	/
	Level4		Bottom Edge	10	6	2437	0.19	0.016	13.01	13.50	1.119	99.55	1.005	0.018	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.26 WIFI 5GHz

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle(%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.7	5.3G	Level1	802.11n(HT40)	Left Cheek	0	54	5270	0.07	0.286	14.74	15.50	1.191	94.80	1.055	0.359	85#
		Level1		Left Tilt	0	54	5270	0.15	0.165	14.74	15.50	1.191	94.80	1.055	0.207	/
		Level1		Right Cheek	0	54	5270	0.01	0.126	14.74	15.50	1.191	94.80	1.055	0.158	/
		Level1		Right Tilt	0	54	5270	0.06	0.060	14.74	15.50	1.191	94.80	1.055	0.075	/
		Level2	802.11n(HT40)	Left Cheek	0	62	5310	0.16	0.165	12.04	13.00	1.247	94.80	1.055	0.217	/
		Level2		Left Tilt	0	62	5310	-0.13	0.133	12.04	13.00	1.247	94.80	1.055	0.175	/
		Level2		Right Cheek	0	62	5310	-0.16	0.041	12.04	13.00	1.247	94.80	1.055	0.054	/
		Level2		Right Tilt	0	62	5310	-0.04	0.049	12.04	13.00	1.247	94.80	1.055	0.064	/
Ant.7	5.6G	Level1	802.11a	Left Cheek	0	140	5700	0.09	0.525	15.38	15.50	1.028	97.62	1.024	0.553	86#
		Level1		Left Tilt	0	140	5700	0.03	0.428	15.38	15.50	1.028	97.62	1.024	0.451	/
		Level1		Right Cheek	0	140	5700	-0.12	0.125	15.38	15.50	1.028	97.62	1.024	0.132	
		Level1		Right Tilt	0	140	5700	0.10	0.159	15.38	15.50	1.028	97.62	1.024	0.167	/
		Level2	802.11a	Left Cheek	0	140	5700	0.17	0.279	12.65	13.00	1.084	97.62	1.024	0.310	/
		Level2		Left Tilt	0	140	5700	-0.07	0.229	12.65	13.00	1.084	97.62	1.024	0.254	/
		Level2		Right Cheek	0	140	5700	-0.03	0.067	12.65	13.00	1.084	97.62	1.024	0.074	/
		Level2		Right Tilt	0	140	5700	0.10	0.085	12.65	13.00	1.084	97.62	1.024	0.094	/
Ant.7	5.8G	Level1	802.11ac(VHT80)	Left Cheek	0	155	5775	0.15	0.606	15.21	15.50	1.069	90.22	1.108	0.718	87#
		Level1		Left Tilt	0	155	5775	-0.15	0.497	15.21	15.50	1.069	90.22	1.108	0.589	/
		Level1		Right Cheek	0	155	5775	-0.05	0.191	15.21	15.50	1.069	90.22	1.108	0.226	/
		Level1		Right Tilt	0	155	5775	0.17	0.216	15.21	15.50	1.069	90.22	1.108	0.256	/
		Level2	802.11ac(VHT80)	Left Cheek	0	155	5775	-0.18	0.323	11.83	13.00	1.309	90.22	1.108	0.468	/
		Level2		Left Tilt	0	155	5775	0.05	0.251	11.83	13.00	1.309	90.22	1.108	0.364	/
		Level2		Right Cheek	0	155	5775	0.02	0.083	11.83	13.00	1.309	90.22	1.108	0.120	/
		Level2		Right Tilt	0	155	5775	-0.13	0.075	11.83	13.00	1.309	90.22	1.108	0.109	/
Body-worn																
Ant.7	5.3G	Level3	802.11n(HT40)	Front Side	15	54	5270	-0.16	0.064	16.35	17.50	1.303	94.80	1.055	0.088	/
		Level3		Back Side	15	54	5270	-0.11	0.096	16.35	17.50	1.303	94.80	1.055	0.132	88#
		Level4	802.11n(HT40)	Front Side	15	62	5310	-0.19	0.015	10.95	12.00	1.274	94.80	1.055	0.020	/
		Level4		Back Side	15	62	5310	0.12	0.028	10.95	12.00	1.274	94.80	1.055	0.038	/
Ant.7	5.6G	Level3	802.11a	Front Side	15	140	5700	0.12	0.058	15.38	15.50	1.028	97.62	1.024	0.061	/
		Level3		Back Side	15	140	5700	-0.01	0.211	15.38	15.50	1.028	97.62	1.024	0.222	89#
		Level4	802.11ac(VHT80)	Front Side	15	122	5610	-0.06	0.021	11.76	12.00	1.057	90.22	1.108	0.025	/
		Level4		Back Side	15	122	5610	0.15	0.095	11.76	12.00	1.057	90.22	1.108	0.111	/
Ant.7	5.8G	Level3	802.11ac(VHT80)	Front Side	15	155	5775	-0.14	0.131	16.30	17.50	1.318	90.22	1.108	0.191	/
		Level3		Back Side	15	155	5775	-0.14	0.452	16.30	17.50	1.318	90.22	1.108	0.660	90#
		Level4	802.11ac(VHT80)	Front Side	15	155	5775	0.05	0.041	10.88	12.00	1.294	90.22	1.108	0.059	/

		Level4		Back Side	15	155	5775	0.07	0.156	10.88	12.00	1.294	90.22	1.108	0.224	/
Hotspot																
Ant.7	5.2G	Level3	802.11n(HT40)	Front Side	10	46	5230	0.17	0.061	16.02	17.50	1.406	94.80	1.055	0.090	/
		Level3		Back Side	10	46	5230	0.06	0.121	16.02	17.50	1.406	94.80	1.055	0.179	/
		Level3		Left Edge	10	46	5230	0.09	0.306	16.02	17.50	1.406	94.80	1.055	0.454	91#
		Level3		Right Edge	10	46	5230	0.12	0.026	16.02	17.50	1.406	94.80	1.055	0.039	/
		Level3		Top Edge	10	46	5230	-0.04	0.142	16.02	17.50	1.406	94.80	1.055	0.211	/
		Level3		Bottom Edge	10	46	5230	0.12	0.031	16.02	17.50	1.406	94.80	1.055	0.046	/
		Level4	802.11n(HT40)	Front Side	10	38	5190	0.08	0.021	10.79	12.00	1.321	94.80	1.055	0.029	/
		Level4		Back Side	10	38	5190	0.01	0.036	10.79	12.00	1.321	94.80	1.055	0.050	/
		Level4		Left Edge	10	38	5190	-0.13	0.082	10.79	12.00	1.321	94.80	1.055	0.114	/
		Level4		Right Edge	10	38	5190	0.14	0.005	10.79	12.00	1.321	94.80	1.055	0.007	/
		Level4		Top Edge	10	38	5190	-0.12	0.045	10.79	12.00	1.321	94.80	1.055	0.063	/
		Level4		Bottom Edge	10	38	5190	-0.10	0.007	10.79	12.00	1.321	94.80	1.055	0.010	/
Ant.7	5.8G	Level3	802.11ac(VHT80)	Front Side	10	155	5775	-0.09	0.188	16.30	17.50	1.318	90.22	1.108	0.275	/
		Level3		Back Side	10	155	5775	-0.09	0.765	16.30	17.50	1.318	90.22	1.108	1.117	/
		Level3		Left Edge	10	155	5775	0.16	0.789	16.30	17.50	1.318	90.22	1.108	1.152	92#
		Level3		Right Edge	10	155	5775	-0.12	0.022	16.30	17.50	1.318	90.22	1.108	0.032	/
		Level3		Top Edge	10	155	5775	-0.03	0.553	16.30	17.50	1.318	90.22	1.108	0.808	/
		Level3		Bottom Edge	10	155	5775	0.00	0.041	16.30	17.50	1.318	90.22	1.108	0.060	/
		Level4	802.11ac(VHT80)	Front Side	10	155	5775	-0.18	0.051	10.88	12.00	1.294	90.22	1.108	0.073	/
		Level4		Back Side	10	155	5775	0.09	0.185	10.88	12.00	1.294	90.22	1.108	0.265	/
		Level4		Left Edge	10	155	5775	-0.16	0.192	10.88	12.00	1.294	90.22	1.108	0.275	/
		Level4		Right Edge	10	155	5775	0.18	0.004	10.88	12.00	1.294	90.22	1.108	0.006	/
		Level4		Top Edge	10	155	5775	0.16	0.165	10.88	12.00	1.294	90.22	1.108	0.237	/
		Level4		Bottom Edge	10	155	5775	-0.01	0.015	10.88	12.00	1.294	90.22	1.108	0.022	/

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

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specify																
Ant.7	5.3G	Level3	802.11n(HT40)	Front Side	0	54	5270	0.07	0.311	16.35	17.50	1.303	94.80	1.055	0.428	/
		Level3		Back Side	0	54	5270	-0.02	0.323	16.35	17.50	1.303	94.80	1.055	0.444	/
		Level3		Left Edge	0	54	5270	-0.07	0.696	16.35	17.50	1.303	94.80	1.055	0.957	93#
		Level3		Right Edge	0	54	5270	0.01	0.034	16.35	17.50	1.303	94.80	1.055	0.047	/
		Level3		Top Edge	0	54	5270	-0.18	0.312	16.35	17.50	1.303	94.80	1.055	0.429	/
		Level3		Bottom Edge	0	54	5270	0.02	0.041	16.35	17.50	1.303	94.80	1.055	0.056	/
		Level4	802.11n(HT40)	Front Side	0	62	5310	0.01	0.085	10.95	12.00	1.274	94.80	1.055	0.114	/
		Level4		Back Side	0	62	5310	-0.09	0.095	10.95	12.00	1.274	94.80	1.055	0.128	/
		Level4		Left Edge	0	62	5310	0.10	0.211	10.95	12.00	1.274	94.80	1.055	0.284	/
		Level4		Right Edge	0	62	5310	-0.03	0.063	10.95	12.00	1.274	94.80	1.055	0.085	/

		Level4		Top Edge	0	62	5310	0.07	0.083	10.95	12.00	1.274	94.80	1.055	0.112	/
		Level4		Bottom Edge	0	62	5310	0.17	0.011	10.95	12.00	1.274	94.80	1.055	0.015	/
Ant.7	5.6G	Level3	802.11a	Front Side	0	140	5700	0.10	0.344	15.38	15.50	1.028	97.62	1.024	0.362	/
		Level3		Back Side	0	140	5700	-0.07	0.313	15.38	15.50	1.028	97.62	1.024	0.329	/
		Level3		Left Edge	0	140	5700	0.01	0.684	15.38	15.50	1.028	97.62	1.024	0.720	94#
		Level3		Right Edge	0	140	5700	0.15	0.008	15.38	15.50	1.028	97.62	1.024	0.008	/
		Level3		Top Edge	0	140	5700	-0.05	0.268	15.38	15.50	1.028	97.62	1.024	0.282	/
		Level3		Bottom Edge	0	140	5700	-0.18	0.015	15.38	15.50	1.028	97.62	1.024	0.016	/
		Level4	802.11ac(VHT80)	Front Side	0	122	5610	0.03	0.141	11.76	12.00	1.057	90.22	1.108	0.165	/
		Level4		Back Side	0	122	5610	0.10	0.203	11.76	12.00	1.057	90.22	1.108	0.238	/
		Level4		Left Edge	0	122	5610	0.18	0.332	11.76	12.00	1.057	90.22	1.108	0.389	/
		Level4		Right Edge	0	122	5610	-0.12	0.008	11.76	12.00	1.057	90.22	1.108	0.009	/
		Level4		Top Edge	0	122	5610	-0.02	0.148	11.76	12.00	1.057	90.22	1.108	0.173	/
		Level4		Bottom Edge	0	122	5610	-0.03	0.016	11.76	12.00	1.057	90.22	1.108	0.019	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.27 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.7	DH5	Left Cheek	0	56	2458	0.01	0.174	12.24	14.00	1.500	76.61	1.305	0.341	95#
		Left Tilt	0	56	2458	0.03	0.118	12.24	14.00	1.500	76.61	1.305	0.231	/
		Right Cheek	0	56	2458	0.11	0.077	12.24	14.00	1.500	76.61	1.305	0.151	/
		Right Tilt	0	56	2458	0.13	0.091	12.24	14.00	1.500	76.61	1.305	0.178	/
Body-worn														
Ant.7	DH5	Front Side	15	56	2458	-0.01	0.011	12.24	14.00	1.500	76.61	1.305	0.017	/
		Back Side	15	56	2458	-0.09	0.027	12.24	14.00	1.500	76.61	1.305	0.041	96#
Hotspot														
Ant.7	DH5	Front Side	10	56	2458	0.14	0.024	12.24	14.00	1.500	76.61	1.305	0.036	/
		Back Side	10	56	2458	0.11	0.058	12.24	14.00	1.500	76.61	1.305	0.087	97#
		Left Edge	10	56	2458	-0.09	0.006	12.24	14.00	1.500	76.61	1.305	0.009	/
		Right Edge	10	56	2458	0.11	0.003	12.24	14.00	1.500	76.61	1.305	0.005	/
		Top Edge	10	56	2458	0.05	0.009	12.24	14.00	1.500	76.61	1.305	0.014	/
		Bottom Edge	10	56	2458	0.03	0.001	12.24	14.00	1.500	76.61	1.305	0.002	/
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	Wireless Band	RF Exposure Conditions	Test Position	Highest	Repeated SAR	Repeated ^{1th}	Largest to Smallest SAR Radio
Band				Measured SAR	(Yes/No)	Measured SAR	
(MHz)				(W/kg)		(W/kg)	
1909.8	GSM1900	Head	Right Tilt	1.090	Yes	1.05	1.04
1852.4	WCDMA Band2	Head	Right Tilt	0.807	Yes	0.779	1.04
1860	LTE Band2	Head	Right Tilt	0.986	Yes	0.954	1.03
1880	LTE Band2	Head	Right Tilt	0.932	Yes	0.925	1.01
1900	LTE Band2	Head	Right Tilt	0.923	Yes	0.911	1.01
1720	LTE Band4	Head	Right Tilt	0.811	Yes	0.792	1.02
1732.5	LTE Band4	Head	Right Tilt	0.806	Yes	0.781	1.03
1745	LTE Band4	Head	Right Tilt	0.865	Yes	0.823	1.05
2535	LTE Band7	Head	Right Tilt	0.811	Yes	0.776	1.05

2506	LTE Band41	Head	Right Tilt	0.984	Yes	0.962	1.02
2522.5	NR n7	Head	Right Tilt	0.914	Yes	0.885	1.03
2535	NR n7	Head	Right Tilt	0.844	Yes	0.802	1.05
2547.5	NR n7	Head	Right Tilt	0.823	Yes	0.811	1.01
2592.99	NR n41	Head	Right Tilt	0.868	Yes	0.822	1.06
2546.01	NR n41	Head	Right Tilt	0.821	Yes	0.784	1.05
2592.99	NR n41	Specific	Back Side	2.190	Yes	2.11	1.04
2592.99	NR n41	Specific	Back Side	2.230	Yes	2.21	1.01
2546.01	NR n41	Specific	Back Side	2.120	Yes	2.05	1.03
2569.5	NR n41	Specific	Back Side	2.390	Yes	2.27	1.05
2616.51	NR n41	Specific	Back Side	2.150	Yes	2.03	1.06
2640	NR n41	Specific	Back Side	2.210	Yes	2.14	1.03
2546.01	NR n41	Specific	Back Side	2.130	Yes	2.11	1.01
2569.5	NR n41	Specific	Back Side	2.260	Yes	2.22	1.02
2616.51	NR n41	Specific	Back Side	2.140	Yes	2.09	1.02
2640	NR n41	Specific	Back Side	2.270	Yes	2.17	1.05
2592.99	NR n41	Specific	Back Side	2.020	Yes	2.01	1.00
1745	NR n66	Head	Right Tilt	0.823	Yes	0.811	1.01
1745	NR n66	Head	Right Tilt	0.865	Yes	0.834	1.04
1730	NR n66	Head	Right Tilt	0.823	Yes	0.806	1.02
1750	NR n66	Head	Right Tilt	0.904	Yes	0.885	1.02
1730	NR n66	Head	Right Tilt	0.844	Yes	0.832	1.01
1750	NR n66	Head	Right Tilt	0.876	Yes	0.865	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	Specific
1	WWAN+WLAN2.4G	Yes	Yes	Yes	Yes
2	WWAN+WLAN5G+BT	Yes	Yes	Yes	Yes
3	WLAN5G+BT	Yes	Yes	Yes	Yes

Note:

1. WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
2. When stand-alone SAR is not required for a side of antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
3. The maximum SAR summation is calculated based on the same configuration and test position.
4. The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations is shown in this report.

13.2 Sum SAR of Simultaneous Transmission

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

Band	Antenna	Position	Stand alone SAR							SUM SAR	
			1	2	3				4		
			WWAN	MAX. 2.4GWIFI	5.3GWIFI	5.6GWIFI	5.8GWIFI	Max. 5GWIFI	BT	WWAN+WIFI2.4G 1+2	WWAN+WIFI5G+BT 1+3+4
GSM850	Ant.0	Left Cheek	0.187	0.156	0.217	0.420	0.468	0.468	0.341	0.343	0.996
		Left Tilt	0.095	0.123	0.175	0.315	0.364	0.364	0.231	0.218	0.690
		Right Cheek	0.154	0.071	0.054	0.118	0.120	0.120	0.151	0.225	0.425
		Right Tilt	0.079	0.087	0.064	0.089	0.109	0.109	0.178	0.166	0.366
GSM850	Ant.1	Left Cheek	0.377	0.156	0.217	0.420	0.468	0.468	0.341	0.533	1.186
		Left Tilt	0.334	0.123	0.175	0.315	0.364	0.364	0.231	0.457	0.929
		Right Cheek	0.635	0.071	0.054	0.118	0.120	0.120	0.151	0.706	0.906
		Right Tilt	0.343	0.087	0.064	0.089	0.109	0.109	0.178	0.430	0.630
GSM1900	Ant.0	Left Cheek	0.101	0.156	0.217	0.420	0.468	0.468	0.341	0.257	0.910
		Left Tilt	0.047	0.123	0.175	0.315	0.364	0.364	0.231	0.170	0.642
		Right Cheek	0.078	0.071	0.054	0.118	0.120	0.120	0.151	0.149	0.349
		Right Tilt	0.064	0.087	0.064	0.089	0.109	0.109	0.178	0.151	0.351
GSM1900	Ant.1	Left Cheek	0.155	0.156	0.217	0.420	0.468	0.468	0.341	0.311	0.964
		Left Tilt	0.189	0.123	0.175	0.315	0.364	0.364	0.231	0.312	0.784
		Right Cheek	0.267	0.071	0.054	0.118	0.120	0.120	0.151	0.338	0.538
		Right Tilt	0.317	0.087	0.064	0.089	0.109	0.109	0.178	0.404	0.604
WCDMA B2	Ant.0	Left Cheek	0.154	0.156	0.217	0.420	0.468	0.468	0.341	0.310	0.963
		Left Tilt	0.092	0.123	0.175	0.315	0.364	0.364	0.231	0.215	0.687
		Right Cheek	0.127	0.071	0.054	0.118	0.120	0.120	0.151	0.198	0.398
		Right Tilt	0.107	0.087	0.064	0.089	0.109	0.109	0.178	0.194	0.394
WCDMA B2	Ant.1	Left Cheek	0.361	0.156	0.217	0.420	0.468	0.468	0.341	0.517	1.170
		Left Tilt	0.450	0.123	0.175	0.315	0.364	0.364	0.231	0.573	1.045
		Right Cheek	0.612	0.071	0.054	0.118	0.120	0.120	0.151	0.683	0.883
		Right Tilt	0.706	0.087	0.064	0.089	0.109	0.109	0.178	0.793	0.993
WCDMA B4	Ant.0	Left Cheek	0.171	0.156	0.217	0.420	0.468	0.468	0.341	0.327	0.980
		Left Tilt	0.102	0.123	0.175	0.315	0.364	0.364	0.231	0.225	0.697
		Right Cheek	0.119	0.071	0.054	0.118	0.120	0.120	0.151	0.190	0.390
		Right Tilt	0.095	0.087	0.064	0.089	0.109	0.109	0.178	0.182	0.382
WCDMA B4	Ant.1	Left Cheek	0.469	0.156	0.217	0.420	0.468	0.468	0.341	0.625	1.278
		Left Tilt	0.552	0.123	0.175	0.315	0.364	0.364	0.231	0.675	1.147
		Right Cheek	0.751	0.071	0.054	0.118	0.120	0.120	0.151	0.822	1.022
		Right Tilt	0.902	0.087	0.064	0.089	0.109	0.109	0.178	0.989	1.189
WCDMA B5	Ant.0	Left Cheek	0.278	0.156	0.217	0.420	0.468	0.468	0.341	0.434	1.087
		Left Tilt	0.155	0.123	0.175	0.315	0.364	0.364	0.231	0.278	0.750

		Right Cheek	0.217	0.071	0.054	0.118	0.120	0.120	0.151	0.288	0.488
		Right Tilt	0.121	0.087	0.064	0.089	0.109	0.109	0.178	0.208	0.408
WCDMA B5	Ant.1	Left Cheek	0.367	0.156	0.217	0.420	0.468	0.468	0.341	0.523	1.176
		Left Tilt	0.317	0.123	0.175	0.315	0.364	0.364	0.231	0.440	0.912
		Right Cheek	0.671	0.071	0.054	0.118	0.120	0.120	0.151	0.742	0.942
		Right Tilt	0.491	0.087	0.064	0.089	0.109	0.109	0.178	0.578	0.778
LTE B2	Ant.0	Left Cheek	0.100	0.156	0.217	0.420	0.468	0.468	0.341	0.256	0.909
		Left Tilt	0.060	0.123	0.175	0.315	0.364	0.364	0.231	0.183	0.655
		Right Cheek	0.101	0.071	0.054	0.118	0.120	0.120	0.151	0.172	0.372
		Right Tilt	0.085	0.087	0.064	0.089	0.109	0.109	0.178	0.172	0.372
LTE B2	Ant.1	Left Cheek	0.611	0.156	0.217	0.420	0.468	0.468	0.341	0.767	1.420
		Left Tilt	0.636	0.123	0.175	0.315	0.364	0.364	0.231	0.759	1.231
		Right Cheek	0.822	0.071	0.054	0.118	0.120	0.120	0.151	0.893	1.093
		Right Tilt	1.021	0.087	0.064	0.089	0.109	0.109	0.178	1.108	1.308
LTE B4	Ant.0	Left Cheek	0.161	0.156	0.217	0.420	0.468	0.468	0.341	0.317	0.970
		Left Tilt	0.097	0.123	0.175	0.315	0.364	0.364	0.231	0.220	0.692
		Right Cheek	0.116	0.071	0.054	0.118	0.120	0.120	0.151	0.187	0.387
		Right Tilt	0.101	0.087	0.064	0.089	0.109	0.109	0.178	0.188	0.388
LTE B4	Ant.1	Left Cheek	0.478	0.156	0.217	0.420	0.468	0.468	0.341	0.634	1.287
		Left Tilt	0.633	0.123	0.175	0.315	0.364	0.364	0.231	0.756	1.228
		Right Cheek	0.825	0.071	0.054	0.118	0.120	0.120	0.151	0.896	1.096
		Right Tilt	0.959	0.087	0.064	0.089	0.109	0.109	0.178	1.046	1.246
LTE B5	Ant.0	Left Cheek	0.299	0.156	0.217	0.420	0.468	0.468	0.341	0.455	1.108
		Left Tilt	0.169	0.123	0.175	0.315	0.364	0.364	0.231	0.292	0.764
		Right Cheek	0.237	0.071	0.054	0.118	0.120	0.120	0.151	0.308	0.508
		Right Tilt	0.131	0.087	0.064	0.089	0.109	0.109	0.178	0.218	0.418
LTE B5	Ant.1	Left Cheek	0.464	0.156	0.217	0.420	0.468	0.468	0.341	0.620	1.273
		Left Tilt	0.418	0.123	0.175	0.315	0.364	0.364	0.231	0.541	1.013
		Right Cheek	0.665	0.071	0.054	0.118	0.120	0.120	0.151	0.736	0.936
		Right Tilt	0.660	0.087	0.064	0.089	0.109	0.109	0.178	0.747	0.947
LTE B7	Ant.0	Left Cheek	0.235	0.156	0.217	0.420	0.468	0.468	0.341	0.391	1.044
		Left Tilt	0.148	0.123	0.175	0.315	0.364	0.364	0.231	0.271	0.743
		Right Cheek	0.407	0.071	0.054	0.118	0.120	0.120	0.151	0.478	0.678
		Right Tilt	0.202	0.087	0.064	0.089	0.109	0.109	0.178	0.289	0.489
LTE B7	Ant.1	Left Cheek	0.236	0.156	0.217	0.420	0.468	0.468	0.341	0.392	1.045
		Left Tilt	0.272	0.123	0.175	0.315	0.364	0.364	0.231	0.395	0.867
		Right Cheek	0.625	0.071	0.054	0.118	0.120	0.120	0.151	0.696	0.896
		Right Tilt	0.788	0.087	0.064	0.089	0.109	0.109	0.178	0.875	1.075
LTE B7	Ant.4	Left Cheek	0.248	0.156	0.217	0.420	0.468	0.468	0.341	0.404	1.057
		Left Tilt	0.101	0.123	0.175	0.315	0.364	0.364	0.231	0.224	0.696
		Right Cheek	0.393	0.071	0.054	0.118	0.120	0.120	0.151	0.464	0.664
		Right Tilt	0.232	0.087	0.064	0.089	0.109	0.109	0.178	0.319	0.519
LTE B12	Ant.0	Left Cheek	0.105	0.156	0.217	0.420	0.468	0.468	0.341	0.261	0.914

		Left Tilt	0.057	0.123	0.175	0.315	0.364	0.364	0.231	0.180	0.652
		Right Cheek	0.086	0.071	0.054	0.118	0.120	0.120	0.151	0.157	0.357
		Right Tilt	0.038	0.087	0.064	0.089	0.109	0.109	0.178	0.125	0.325
LTE B12	Ant.1	Left Cheek	0.268	0.156	0.217	0.420	0.468	0.468	0.341	0.424	1.077
		Left Tilt	0.233	0.123	0.175	0.315	0.364	0.364	0.231	0.356	0.828
		Right Cheek	0.459	0.071	0.054	0.118	0.120	0.120	0.151	0.530	0.730
		Right Tilt	0.403	0.087	0.064	0.089	0.109	0.109	0.178	0.490	0.690
LTE B13	Ant.0	Left Cheek	0.152	0.156	0.217	0.420	0.468	0.468	0.341	0.308	0.961
		Left Tilt	0.080	0.123	0.175	0.315	0.364	0.364	0.231	0.203	0.675
		Right Cheek	0.126	0.071	0.054	0.118	0.120	0.120	0.151	0.197	0.397
		Right Tilt	0.058	0.087	0.064	0.089	0.109	0.109	0.178	0.145	0.345
LTE B13	Ant.1	Left Cheek	0.337	0.156	0.217	0.420	0.468	0.468	0.341	0.493	1.146
		Left Tilt	0.356	0.123	0.175	0.315	0.364	0.364	0.231	0.479	0.951
		Right Cheek	0.537	0.071	0.054	0.118	0.120	0.120	0.151	0.608	0.808
		Right Tilt	0.500	0.087	0.064	0.089	0.109	0.109	0.178	0.587	0.787
LTE B17	Ant.0	Left Cheek	0.131	0.156	0.217	0.420	0.468	0.468	0.341	0.287	0.940
		Left Tilt	0.064	0.123	0.175	0.315	0.364	0.364	0.231	0.187	0.659
		Right Cheek	0.100	0.071	0.054	0.118	0.120	0.120	0.151	0.171	0.371
		Right Tilt	0.024	0.087	0.064	0.089	0.109	0.109	0.178	0.111	0.311
LTE B17	Ant.1	Left Cheek	0.299	0.156	0.217	0.420	0.468	0.468	0.341	0.455	1.108
		Left Tilt	0.249	0.123	0.175	0.315	0.364	0.364	0.231	0.372	0.844
		Right Cheek	0.453	0.071	0.054	0.118	0.120	0.120	0.151	0.524	0.724
		Right Tilt	0.413	0.087	0.064	0.089	0.109	0.109	0.178	0.500	0.700
LTE B26	Ant.0	Left Cheek	0.273	0.156	0.217	0.420	0.468	0.468	0.341	0.429	1.082
		Left Tilt	0.160	0.123	0.175	0.315	0.364	0.364	0.231	0.283	0.755
		Right Cheek	0.232	0.071	0.054	0.118	0.120	0.120	0.151	0.303	0.503
		Right Tilt	0.107	0.087	0.064	0.089	0.109	0.109	0.178	0.194	0.394
LTE B26	Ant.1	Left Cheek	0.510	0.156	0.217	0.420	0.468	0.468	0.341	0.666	1.319
		Left Tilt	0.478	0.123	0.175	0.315	0.364	0.364	0.231	0.601	1.073
		Right Cheek	0.688	0.071	0.054	0.118	0.120	0.120	0.151	0.759	0.959
		Right Tilt	0.661	0.087	0.064	0.089	0.109	0.109	0.178	0.748	0.948
LTE B38	Ant.0	Left Cheek	0.102	0.156	0.217	0.420	0.468	0.468	0.341	0.258	0.911
		Left Tilt	0.054	0.123	0.175	0.315	0.364	0.364	0.231	0.177	0.649
		Right Cheek	0.210	0.071	0.054	0.118	0.120	0.120	0.151	0.281	0.481
		Right Tilt	0.070	0.087	0.064	0.089	0.109	0.109	0.178	0.157	0.357
LTE B38	Ant.1	Left Cheek	0.188	0.156	0.217	0.420	0.468	0.468	0.341	0.344	0.997
		Left Tilt	0.241	0.123	0.175	0.315	0.364	0.364	0.231	0.364	0.836
		Right Cheek	0.552	0.071	0.054	0.118	0.120	0.120	0.151	0.623	0.823
		Right Tilt	0.697	0.087	0.064	0.089	0.109	0.109	0.178	0.784	0.984
LTE B38	Ant.4	Left Cheek	0.242	0.156	0.217	0.420	0.468	0.468	0.341	0.398	1.051
		Left Tilt	0.084	0.123	0.175	0.315	0.364	0.364	0.231	0.207	0.679
		Right Cheek	0.390	0.071	0.054	0.118	0.120	0.120	0.151	0.461	0.661
		Right Tilt	0.243	0.087	0.064	0.089	0.109	0.109	0.178	0.330	0.530

LTE B41	Ant.0	Left Cheek	0.091	0.156	0.217	0.420	0.468	0.468	0.341	0.247	0.900
		Left Tilt	0.049	0.123	0.175	0.315	0.364	0.364	0.231	0.172	0.644
		Right Cheek	0.182	0.071	0.054	0.118	0.120	0.120	0.151	0.253	0.453
		Right Tilt	0.059	0.087	0.064	0.089	0.109	0.109	0.178	0.146	0.346
LTE B41	Ant.1	Left Cheek	0.159	0.156	0.217	0.420	0.468	0.468	0.341	0.315	0.968
		Left Tilt	0.168	0.123	0.175	0.315	0.364	0.364	0.231	0.291	0.763
		Right Cheek	0.451	0.071	0.054	0.118	0.120	0.120	0.151	0.522	0.722
		Right Tilt	0.754	0.087	0.064	0.089	0.109	0.109	0.178	0.841	1.041
LTE B41	Ant.4	Left Cheek	0.210	0.156	0.217	0.420	0.468	0.468	0.341	0.366	1.019
		Left Tilt	0.074	0.123	0.175	0.315	0.364	0.364	0.231	0.197	0.669
		Right Cheek	0.339	0.071	0.054	0.118	0.120	0.120	0.151	0.410	0.610
		Right Tilt	0.215	0.087	0.064	0.089	0.109	0.109	0.178	0.302	0.502
LTE B66	Ant.0	Left Cheek	0.070	0.156	0.217	0.420	0.468	0.468	0.341	0.226	0.879
		Left Tilt	0.013	0.123	0.175	0.315	0.364	0.364	0.231	0.136	0.608
		Right Cheek	0.025	0.071	0.054	0.118	0.120	0.120	0.151	0.096	0.296
		Right Tilt	0.047	0.087	0.064	0.089	0.109	0.109	0.178	0.134	0.334
LTE B66	Ant.1	Left Cheek	0.386	0.156	0.217	0.420	0.468	0.468	0.341	0.542	1.195
		Left Tilt	0.488	0.123	0.175	0.315	0.364	0.364	0.231	0.611	1.083
		Right Cheek	0.692	0.071	0.054	0.118	0.120	0.120	0.151	0.763	0.963
		Right Tilt	0.793	0.087	0.064	0.089	0.109	0.109	0.178	0.880	1.080
LTE B66	Ant.4	Left Cheek	0.090	0.156	0.217	0.420	0.468	0.468	0.341	0.246	0.899
		Left Tilt	0.079	0.123	0.175	0.315	0.364	0.364	0.231	0.202	0.674
		Right Cheek	0.171	0.071	0.054	0.118	0.120	0.120	0.151	0.242	0.442
		Right Tilt	0.069	0.087	0.064	0.089	0.109	0.109	0.178	0.156	0.356
N5	Ant.0	Left Cheek	0.084	0.156	0.217	0.420	0.468	0.468	0.341	0.240	0.893
		Left Tilt	0.065	0.123	0.175	0.315	0.364	0.364	0.231	0.188	0.660
		Right Cheek	0.063	0.071	0.054	0.118	0.120	0.120	0.151	0.134	0.334
		Right Tilt	0.022	0.087	0.064	0.089	0.109	0.109	0.178	0.109	0.309
N5	Ant.1	Left Cheek	0.458	0.156	0.217	0.420	0.468	0.468	0.341	0.614	1.267
		Left Tilt	0.425	0.123	0.175	0.315	0.364	0.364	0.231	0.548	1.020
		Right Cheek	0.613	0.071	0.054	0.118	0.120	0.120	0.151	0.684	0.884
		Right Tilt	0.539	0.087	0.064	0.089	0.109	0.109	0.178	0.626	0.826
N7	Ant.0	Left Cheek	0.229	0.156	0.217	0.420	0.468	0.468	0.341	0.385	1.038
		Left Tilt	0.153	0.123	0.175	0.315	0.364	0.364	0.231	0.276	0.748
		Right Cheek	0.429	0.071	0.054	0.118	0.120	0.120	0.151	0.500	0.700
		Right Tilt	0.200	0.087	0.064	0.089	0.109	0.109	0.178	0.287	0.487
N7	Ant.1	Left Cheek	0.252	0.156	0.217	0.420	0.468	0.468	0.341	0.408	1.061
		Left Tilt	0.403	0.123	0.175	0.315	0.364	0.364	0.231	0.526	0.998
		Right Cheek	0.679	0.071	0.054	0.118	0.120	0.120	0.151	0.750	0.950
		Right Tilt	0.796	0.087	0.064	0.089	0.109	0.109	0.178	0.883	1.083
N7	Ant.4	Left Cheek	0.363	0.156	0.217	0.420	0.468	0.468	0.341	0.519	1.172
		Left Tilt	0.136	0.123	0.175	0.315	0.364	0.364	0.231	0.259	0.731
		Right Cheek	0.472	0.071	0.054	0.118	0.120	0.120	0.151	0.543	0.743

		Right Tilt	0.561	0.087	0.064	0.089	0.109	0.109	0.178	0.648	0.848
N38	Ant.0	Left Cheek	0.163	0.156	0.217	0.420	0.468	0.468	0.341	0.319	0.972
		Left Tilt	0.099	0.123	0.175	0.315	0.364	0.364	0.231	0.222	0.694
		Right Cheek	0.286	0.071	0.054	0.118	0.120	0.120	0.151	0.357	0.557
		Right Tilt	0.104	0.087	0.064	0.089	0.109	0.109	0.178	0.191	0.391
N38	Ant.1	Left Cheek	0.162	0.156	0.217	0.420	0.468	0.468	0.341	0.318	0.971
		Left Tilt	0.175	0.123	0.175	0.315	0.364	0.364	0.231	0.298	0.770
		Right Cheek	0.420	0.071	0.054	0.118	0.120	0.120	0.151	0.491	0.691
		Right Tilt	0.537	0.087	0.064	0.089	0.109	0.109	0.178	0.624	0.824
N38	Ant.4	Left Cheek	0.435	0.156	0.217	0.420	0.468	0.468	0.341	0.591	1.244
		Left Tilt	0.133	0.123	0.175	0.315	0.364	0.364	0.231	0.256	0.728
		Right Cheek	0.601	0.071	0.054	0.118	0.120	0.120	0.151	0.672	0.872
		Right Tilt	0.379	0.087	0.064	0.089	0.109	0.109	0.178	0.466	0.666
N41	Ant.0	Left Cheek	0.239	0.156	0.217	0.420	0.468	0.468	0.341	0.395	1.048
		Left Tilt	0.155	0.123	0.175	0.315	0.364	0.364	0.231	0.278	0.750
		Right Cheek	0.450	0.071	0.054	0.118	0.120	0.120	0.151	0.521	0.721
		Right Tilt	0.146	0.087	0.064	0.089	0.109	0.109	0.178	0.233	0.433
N41	Ant.1	Left Cheek	0.209	0.156	0.217	0.420	0.468	0.468	0.341	0.365	1.018
		Left Tilt	0.240	0.123	0.175	0.315	0.364	0.364	0.231	0.363	0.835
		Right Cheek	0.561	0.071	0.054	0.118	0.120	0.120	0.151	0.632	0.832
		Right Tilt	0.789	0.087	0.064	0.089	0.109	0.109	0.178	0.876	1.076
N41	Ant.4	Left Cheek	0.499	0.156	0.217	0.420	0.468	0.468	0.341	0.655	1.308
		Left Tilt	0.182	0.123	0.175	0.315	0.364	0.364	0.231	0.305	0.777
		Right Cheek	0.772	0.071	0.054	0.118	0.120	0.120	0.151	0.843	1.043
		Right Tilt	0.496	0.087	0.064	0.089	0.109	0.109	0.178	0.583	0.783
N66	Ant.0	Left Cheek	0.115	0.156	0.217	0.420	0.468	0.468	0.341	0.271	0.924
		Left Tilt	0.088	0.123	0.175	0.315	0.364	0.364	0.231	0.211	0.683
		Right Cheek	0.134	0.071	0.054	0.118	0.120	0.120	0.151	0.205	0.405
		Right Tilt	0.081	0.087	0.064	0.089	0.109	0.109	0.178	0.168	0.368
N66	Ant.1	Left Cheek	0.465	0.156	0.217	0.420	0.468	0.468	0.341	0.621	1.274
		Left Tilt	0.622	0.123	0.175	0.315	0.364	0.364	0.231	0.745	1.217
		Right Cheek	0.724	0.071	0.054	0.118	0.120	0.120	0.151	0.795	0.995
		Right Tilt	0.891	0.087	0.064	0.089	0.109	0.109	0.178	0.978	1.178
N66	Ant.4	Left Cheek	0.041	0.156	0.217	0.420	0.468	0.468	0.341	0.197	0.850
		Left Tilt	0.023	0.123	0.175	0.315	0.364	0.364	0.231	0.146	0.618
		Right Cheek	0.073	0.071	0.054	0.118	0.120	0.120	0.151	0.144	0.344
		Right Tilt	0.045	0.087	0.064	0.089	0.109	0.109	0.178	0.132	0.332

Note:

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

2: The highest Summed 1g SAR is 1.42 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.2 Body Worm Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR							SUM SAR	
			1	2	3				4		
			WWAN	MAX. 2.4GWIFI	5.3G WIFI	5.6G WIFI	5.8G WIFI	MAX. 5GWIFI	BT	WWAN+WIFI2.4G 1+2	WWAN+WIFI5G+BT 1+3+4
GSM850	Ant.0	Front Side 15mm	0.150	0.023	0.088	0.061	0.191	0.191	0.017	0.173	0.358
		Back Side 15mm	0.187	0.055	0.132	0.222	0.660	0.660	0.041	0.242	0.888
GSM850	Ant.1	Front Side 15mm	0.166	0.023	0.088	0.061	0.191	0.191	0.017	0.189	0.374
		Back Side 15mm	0.216	0.055	0.132	0.222	0.660	0.660	0.041	0.271	0.917
GSM1900	Ant.0	Front Side 15mm	0.150	0.023	0.088	0.061	0.191	0.191	0.017	0.173	0.358
		Back Side 15mm	0.187	0.055	0.132	0.222	0.660	0.660	0.041	0.242	0.888
GSM1900	Ant.1	Front Side 15mm	0.148	0.023	0.088	0.061	0.191	0.191	0.017	0.171	0.356
		Back Side 15mm	0.250	0.055	0.132	0.222	0.660	0.660	0.041	0.305	0.951
WCDMA B2	Ant.0	Front Side 15mm	0.188	0.023	0.088	0.061	0.191	0.191	0.017	0.211	0.396
		Back Side 15mm	0.331	0.055	0.132	0.222	0.660	0.660	0.041	0.386	1.032
WCDMA B2	Ant.1	Front Side 15mm	0.139	0.023	0.088	0.061	0.191	0.191	0.017	0.162	0.347
		Back Side 15mm	0.155	0.055	0.132	0.222	0.660	0.660	0.041	0.210	0.856
WCDMA B4	Ant.0	Front Side 15mm	0.185	0.023	0.088	0.061	0.191	0.191	0.017	0.208	0.393
		Back Side 15mm	0.321	0.055	0.132	0.222	0.660	0.660	0.041	0.376	1.022
WCDMA B4	Ant.1	Front Side 15mm	0.155	0.023	0.088	0.061	0.191	0.191	0.017	0.178	0.363
		Back Side 15mm	0.170	0.055	0.132	0.222	0.660	0.660	0.041	0.225	0.871
WCDMA B5	Ant.0	Front Side 15mm	0.183	0.023	0.088	0.061	0.191	0.191	0.017	0.206	0.391
		Back Side 15mm	0.199	0.055	0.132	0.222	0.660	0.660	0.041	0.254	0.900
WCDMA B5	Ant.1	Front Side 15mm	0.149	0.023	0.088	0.061	0.191	0.191	0.017	0.172	0.357
		Back Side 15mm	0.186	0.055	0.132	0.222	0.660	0.660	0.041	0.241	0.887
LTE B2	Ant.0	Front Side 15mm	0.162	0.023	0.088	0.061	0.191	0.191	0.017	0.185	0.370
		Back Side 15mm	0.287	0.055	0.132	0.222	0.660	0.660	0.041	0.342	0.988
LTE B2	Ant.1	Front Side 15mm	0.147	0.023	0.088	0.061	0.191	0.191	0.017	0.170	0.355
		Back Side 15mm	0.166	0.055	0.132	0.222	0.660	0.660	0.041	0.221	0.867
LTE B4	Ant.0	Front Side 15mm	0.148	0.023	0.088	0.061	0.191	0.191	0.017	0.171	0.356
		Back Side 15mm	0.247	0.055	0.132	0.222	0.660	0.660	0.041	0.302	0.948
LTE B4	Ant.1	Front Side 15mm	0.154	0.023	0.088	0.061	0.191	0.191	0.017	0.177	0.362
		Back Side 15mm	0.159	0.055	0.132	0.222	0.660	0.660	0.041	0.214	0.860
LTE B5	Ant.0	Front Side 15mm	0.164	0.023	0.088	0.061	0.191	0.191	0.017	0.187	0.372
		Back Side 15mm	0.225	0.055	0.132	0.222	0.660	0.660	0.041	0.280	0.926
LTE B5	Ant.1	Front Side 15mm	0.167	0.023	0.088	0.061	0.191	0.191	0.017	0.190	0.375
		Back Side 15mm	0.201	0.055	0.132	0.222	0.660	0.660	0.041	0.256	0.902
LTE B7	Ant.0	Front Side 15mm	0.165	0.023	0.088	0.061	0.191	0.191	0.017	0.188	0.373
		Back Side 15mm	0.244	0.055	0.132	0.222	0.660	0.660	0.041	0.299	0.945
LTE B7	Ant.1	Front Side 15mm	0.135	0.023	0.088	0.061	0.191	0.191	0.017	0.158	0.343

		Back Side 15mm	0.201	0.055	0.132	0.222	0.660	0.660	0.041	0.256	0.902
LTE B7	Ant.4	Front Side 15mm	0.053	0.023	0.088	0.061	0.191	0.191	0.017	0.076	0.261
		Back Side 15mm	0.231	0.055	0.132	0.222	0.660	0.660	0.041	0.286	0.932
LTE B12	Ant.0	Front Side 15mm	0.163	0.023	0.088	0.061	0.191	0.191	0.017	0.186	0.371
		Back Side 15mm	0.206	0.055	0.132	0.222	0.660	0.660	0.041	0.261	0.907
LTE B12	Ant.1	Front Side 15mm	0.157	0.023	0.088	0.061	0.191	0.191	0.017	0.180	0.365
		Back Side 15mm	0.176	0.055	0.132	0.222	0.660	0.660	0.041	0.231	0.877
LTE B13	Ant.0	Front Side 15mm	0.126	0.023	0.088	0.061	0.191	0.191	0.017	0.149	0.334
		Back Side 15mm	0.164	0.055	0.132	0.222	0.660	0.660	0.041	0.219	0.865
LTE B13	Ant.1	Front Side 15mm	0.145	0.023	0.088	0.061	0.191	0.191	0.017	0.168	0.353
		Back Side 15mm	0.146	0.055	0.132	0.222	0.660	0.660	0.041	0.201	0.847
LTE B17	Ant.0	Front Side 15mm	0.157	0.023	0.088	0.061	0.191	0.191	0.017	0.180	0.365
		Back Side 15mm	0.209	0.055	0.132	0.222	0.660	0.660	0.041	0.264	0.910
LTE B17	Ant.1	Front Side 15mm	0.159	0.023	0.088	0.061	0.191	0.191	0.017	0.182	0.367
		Back Side 15mm	0.173	0.055	0.132	0.222	0.660	0.660	0.041	0.228	0.874
LTE B26	Ant.0	Front Side 15mm	0.150	0.023	0.088	0.061	0.191	0.191	0.017	0.173	0.358
		Back Side 15mm	0.193	0.055	0.132	0.222	0.660	0.660	0.041	0.248	0.894
LTE B26	Ant.1	Front Side 15mm	0.140	0.023	0.088	0.061	0.191	0.191	0.017	0.163	0.348
		Back Side 15mm	0.165	0.055	0.132	0.222	0.660	0.660	0.041	0.220	0.866
LTE B38	Ant.0	Front Side 15mm	0.120	0.023	0.088	0.061	0.191	0.191	0.017	0.143	0.328
		Back Side 15mm	0.140	0.055	0.132	0.222	0.660	0.660	0.041	0.195	0.841
LTE B38	Ant.1	Front Side 15mm	0.138	0.023	0.088	0.061	0.191	0.191	0.017	0.161	0.346
		Back Side 15mm	0.292	0.055	0.132	0.222	0.660	0.660	0.041	0.347	0.993
LTE B38	Ant.4	Front Side 15mm	0.071	0.023	0.088	0.061	0.191	0.191	0.017	0.094	0.279
		Back Side 15mm	0.234	0.055	0.132	0.222	0.660	0.660	0.041	0.289	0.935
LTE B41	Ant.0	Front Side 15mm	0.107	0.023	0.088	0.061	0.191	0.191	0.017	0.130	0.315
		Back Side 15mm	0.126	0.055	0.132	0.222	0.660	0.660	0.041	0.181	0.827
LTE B41	Ant.1	Front Side 15mm	0.130	0.023	0.088	0.061	0.191	0.191	0.017	0.153	0.338
		Back Side 15mm	0.298	0.055	0.132	0.222	0.660	0.660	0.041	0.353	0.999
LTE B41	Ant.4	Front Side 15mm	0.059	0.023	0.088	0.061	0.191	0.191	0.017	0.082	0.267
		Back Side 15mm	0.206	0.055	0.132	0.222	0.660	0.660	0.041	0.261	0.907
LTE B66	Ant.0	Front Side 15mm	0.158	0.023	0.088	0.061	0.191	0.191	0.017	0.181	0.366
		Back Side 15mm	0.269	0.055	0.132	0.222	0.660	0.660	0.041	0.324	0.970
LTE B66	Ant.1	Front Side 15mm	0.155	0.023	0.088	0.061	0.191	0.191	0.017	0.178	0.363
		Back Side 15mm	0.162	0.055	0.132	0.222	0.660	0.660	0.041	0.217	0.863
LTE B66	Ant.4	Front Side 15mm	0.015	0.023	0.088	0.061	0.191	0.191	0.017	0.038	0.223
		Back Side 15mm	0.029	0.055	0.132	0.222	0.660	0.660	0.041	0.084	0.730
N5	Ant.0	Front Side 15mm	0.096	0.023	0.088	0.061	0.191	0.191	0.017	0.119	0.304
		Back Side 15mm	0.135	0.055	0.132	0.222	0.660	0.660	0.041	0.190	0.836
N5	Ant.1	Front Side 15mm	0.155	0.023	0.088	0.061	0.191	0.191	0.017	0.178	0.363
		Back Side 15mm	0.186	0.055	0.132	0.222	0.660	0.660	0.041	0.241	0.887
N7	Ant.0	Front Side 15mm	0.208	0.023	0.088	0.061	0.191	0.191	0.017	0.231	0.416
		Back Side 15mm	0.333	0.055	0.132	0.222	0.660	0.660	0.041	0.388	1.034

N7	Ant.1	Front Side 15mm	0.125	0.023	0.088	0.061	0.191	0.191	0.017	0.148	0.333
		Back Side 15mm	0.185	0.055	0.132	0.222	0.660	0.660	0.041	0.240	0.886
N7	Ant.4	Front Side 15mm	0.097	0.023	0.088	0.061	0.191	0.191	0.017	0.120	0.305
		Back Side 15mm	0.395	0.055	0.132	0.222	0.660	0.660	0.041	0.450	1.096
N38	Ant.0	Front Side 15mm	0.166	0.023	0.088	0.061	0.191	0.191	0.017	0.189	0.374
		Back Side 15mm	0.215	0.055	0.132	0.222	0.660	0.660	0.041	0.270	0.916
N38	Ant.1	Front Side 15mm	0.120	0.023	0.088	0.061	0.191	0.191	0.017	0.143	0.328
		Back Side 15mm	0.165	0.055	0.132	0.222	0.660	0.660	0.041	0.220	0.866
N38	Ant.4	Front Side 15mm	0.121	0.023	0.088	0.061	0.191	0.191	0.017	0.144	0.329
		Back Side 15mm	0.419	0.055	0.132	0.222	0.660	0.660	0.041	0.474	1.120
N41	Ant.0	Front Side 15mm	0.224	0.023	0.088	0.061	0.191	0.191	0.017	0.247	0.432
		Back Side 15mm	0.285	0.055	0.132	0.222	0.660	0.660	0.041	0.340	0.986
N41	Ant.1	Front Side 15mm	0.177	0.023	0.088	0.061	0.191	0.191	0.017	0.200	0.385
		Back Side 15mm	0.411	0.055	0.132	0.222	0.660	0.660	0.041	0.466	1.112
N41	Ant.4	Front Side 15mm	0.119	0.023	0.088	0.061	0.191	0.191	0.017	0.142	0.327
		Back Side 15mm	0.432	0.055	0.132	0.222	0.660	0.660	0.041	0.487	1.133
N66	Ant.0	Front Side 15mm	0.143	0.023	0.088	0.061	0.191	0.191	0.017	0.166	0.351
		Back Side 15mm	0.272	0.055	0.132	0.222	0.660	0.660	0.041	0.327	0.973
N66	Ant.1	Front Side 15mm	0.221	0.023	0.088	0.061	0.191	0.191	0.017	0.244	0.429
		Back Side 15mm	0.228	0.055	0.132	0.222	0.660	0.660	0.041	0.283	0.929
N66	Ant.4	Front Side 15mm	0.024	0.023	0.088	0.061	0.191	0.191	0.017	0.047	0.232
		Back Side 15mm	0.053	0.055	0.132	0.222	0.660	0.660	0.041	0.108	0.754

Note:

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

2: The highest Summed 1g SAR is 1.133 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

Band	Antenna	Position	Stand alone SAR						SUM SAR	
			1	2	3			4		
			WWAN	MAX. 2.4GWIFI	5.2G WIFI	5.8G WIFI	MAX. 5GWIFI	BT	WWAN+WIFI2.4G 1+2	WWAN+WIFI5G+BT 1+3+4
GSM850	Ant.0	Front Side 10mm	0.191	0.461	0.029	0.073	0.073	0.036	0.652	0.300
		Back Side 10mm	0.382	0.115	0.050	0.290	0.290	0.088	0.497	0.760
		Left Edge10mm	0.119	0.039	0.114	0.303	0.303	0.009	0.158	0.431
		Right Edge 10mm	0.132	0.020	0.007	0.006	0.007	0.005	0.152	0.144
		Bottom Edge 10mm	0.267	0.009	0.010	0.022	0.022	0.002	0.276	0.291
GSM850	Ant.1	Front Side 10mm	0.261	0.461	0.029	0.073	0.073	0.036	0.722	0.370
		Back Side 10mm	0.454	0.115	0.050	0.290	0.290	0.088	0.569	0.832
		Right Edge 10mm	0.124	0.020	0.007	0.006	0.007	0.005	0.144	0.136
		Top Edge 10mm	0.304	0.084	0.063	0.237	0.237	0.014	0.388	0.555
GSM1900	Ant.0	Front Side 10mm	0.241	0.461	0.029	0.073	0.073	0.036	0.702	0.350
		Back Side 10mm	0.456	0.115	0.050	0.290	0.290	0.088	0.571	0.834
		Left Edge10mm	0.174	0.039	0.114	0.303	0.303	0.009	0.213	0.486
		Right Edge 10mm	0.074	0.020	0.007	0.006	0.007	0.005	0.094	0.086
		Bottom Edge 10mm	0.586	0.009	0.010	0.022	0.022	0.002	0.595	0.610
GSM1900	Ant.1	Front Side 10mm	0.275	0.461	0.029	0.073	0.073	0.036	0.736	0.384
		Back Side 10mm	0.317	0.115	0.050	0.290	0.290	0.088	0.432	0.695
		Right Edge 10mm	0.097	0.020	0.007	0.006	0.007	0.005	0.117	0.109
		Top Edge 10mm	0.541	0.084	0.063	0.237	0.237	0.014	0.625	0.792
WCDMA B2	Ant.0	Front Side 10mm	0.288	0.461	0.029	0.073	0.073	0.036	0.749	0.397
		Back Side 10mm	0.508	0.115	0.050	0.290	0.290	0.088	0.623	0.886
		Left Edge10mm	0.207	0.039	0.114	0.303	0.303	0.009	0.246	0.519
		Right Edge 10mm	0.073	0.020	0.007	0.006	0.007	0.005	0.093	0.085
		Bottom Edge 10mm	0.700	0.009	0.010	0.022	0.022	0.002	0.709	0.724
WCDMA B2	Ant.1	Front Side 10mm	0.232	0.461	0.029	0.073	0.073	0.036	0.693	0.341
		Back Side 10mm	0.259	0.115	0.050	0.290	0.290	0.088	0.374	0.637
		Right Edge 10mm	0.058	0.020	0.007	0.006	0.007	0.005	0.078	0.070
		Top Edge 10mm	0.493	0.084	0.063	0.237	0.237	0.014	0.577	0.744
WCDMA B4	Ant.0	Front Side 10mm	0.267	0.461	0.029	0.073	0.073	0.036	0.728	0.376
		Back Side 10mm	0.465	0.115	0.050	0.290	0.290	0.088	0.580	0.843
		Left Edge10mm	0.135	0.039	0.114	0.303	0.303	0.009	0.174	0.447
		Right Edge 10mm	0.062	0.020	0.007	0.006	0.007	0.005	0.082	0.074
		Bottom Edge 10mm	0.746	0.009	0.010	0.022	0.022	0.002	0.755	0.770
WCDMA B4	Ant.1	Front Side 10mm	0.282	0.461	0.029	0.073	0.073	0.036	0.743	0.391
		Back Side 10mm	0.288	0.115	0.050	0.290	0.290	0.088	0.403	0.666
		Right Edge 10mm	0.062	0.020	0.007	0.006	0.007	0.005	0.082	0.074

		Top Edge 10mm	0.559	0.084	0.063	0.237	0.237	0.014	0.643	0.810
WCDMA B5	Ant.0	Front Side 10mm	0.173	0.461	0.029	0.073	0.073	0.036	0.634	0.282
		Back Side 10mm	0.320	0.115	0.050	0.290	0.290	0.088	0.435	0.698
		Left Edge10mm	0.118	0.039	0.114	0.303	0.303	0.009	0.157	0.430
		Right Edge 10mm	0.218	0.020	0.007	0.006	0.007	0.005	0.238	0.230
		Bottom Edge 10mm	0.259	0.009	0.010	0.022	0.022	0.002	0.268	0.283
WCDMA B5	Ant.1	Front Side 10mm	0.221	0.461	0.029	0.073	0.073	0.036	0.682	0.330
		Back Side 10mm	0.279	0.115	0.050	0.290	0.290	0.088	0.394	0.657
		Right Edge 10mm	0.111	0.020	0.007	0.006	0.007	0.005	0.131	0.123
		Top Edge 10mm	0.257	0.084	0.063	0.237	0.237	0.014	0.341	0.508
LTE B2	Ant.0	Front Side 10mm	0.246	0.461	0.029	0.073	0.073	0.036	0.707	0.355
		Back Side 10mm	0.424	0.115	0.050	0.290	0.290	0.088	0.539	0.802
		Left Edge10mm	0.188	0.039	0.114	0.303	0.303	0.009	0.227	0.500
		Right Edge 10mm	0.074	0.020	0.007	0.006	0.007	0.005	0.094	0.086
		Bottom Edge 10mm	0.608	0.009	0.010	0.022	0.022	0.002	0.617	0.632
LTE B2	Ant.1	Front Side 10mm	0.280	0.461	0.029	0.073	0.073	0.036	0.741	0.389
		Back Side 10mm	0.302	0.115	0.050	0.290	0.290	0.088	0.417	0.680
		Right Edge 10mm	0.063	0.020	0.007	0.006	0.007	0.005	0.083	0.075
		Top Edge 10mm	0.554	0.084	0.063	0.237	0.237	0.014	0.638	0.805
LTE B4	Ant.0	Front Side 10mm	0.251	0.461	0.029	0.073	0.073	0.036	0.712	0.360
		Back Side 10mm	0.419	0.115	0.050	0.290	0.290	0.088	0.534	0.797
		Left Edge10mm	0.135	0.039	0.114	0.303	0.303	0.009	0.174	0.447
		Right Edge 10mm	0.070	0.020	0.007	0.006	0.007	0.005	0.090	0.082
		Bottom Edge 10mm	0.630	0.009	0.010	0.022	0.022	0.002	0.639	0.654
LTE B4	Ant.1	Front Side 10mm	0.246	0.461	0.029	0.073	0.073	0.036	0.707	0.355
		Back Side 10mm	0.252	0.115	0.050	0.290	0.290	0.088	0.367	0.630
		Right Edge 10mm	0.054	0.020	0.007	0.006	0.007	0.005	0.074	0.066
		Top Edge 10mm	0.442	0.084	0.063	0.237	0.237	0.014	0.526	0.693
LTE B5	Ant.0	Front Side 10mm	0.178	0.461	0.029	0.073	0.073	0.036	0.639	0.287
		Back Side 10mm	0.328	0.115	0.050	0.290	0.290	0.088	0.443	0.706
		Left Edge10mm	0.117	0.039	0.114	0.303	0.303	0.009	0.156	0.429
		Right Edge 10mm	0.238	0.020	0.007	0.006	0.007	0.005	0.258	0.250
		Bottom Edge 10mm	0.260	0.009	0.010	0.022	0.022	0.002	0.269	0.284
LTE B5	Ant.1	Front Side 10mm	0.233	0.461	0.029	0.073	0.073	0.036	0.694	0.342
		Back Side 10mm	0.303	0.115	0.050	0.290	0.290	0.088	0.418	0.681
		Right Edge 10mm	0.126	0.020	0.007	0.006	0.007	0.005	0.146	0.138
		Top Edge 10mm	0.273	0.084	0.063	0.237	0.237	0.014	0.357	0.524
LTE B7	Ant.0	Front Side 10mm	0.234	0.461	0.029	0.073	0.073	0.036	0.695	0.343
		Back Side 10mm	0.296	0.115	0.050	0.290	0.290	0.088	0.411	0.674
		Left Edge10mm	0.166	0.039	0.114	0.303	0.303	0.009	0.205	0.478
		Right Edge 10mm	0.028	0.020	0.007	0.006	0.007	0.005	0.048	0.040
		Bottom Edge 10mm	0.196	0.009	0.010	0.022	0.022	0.002	0.205	0.220
LTE B7	Ant.1	Front Side 10mm	0.245	0.461	0.029	0.073	0.073	0.036	0.706	0.354

		Back Side 10mm	0.421	0.115	0.050	0.290	0.290	0.088	0.536	0.799
		Right Edge 10mm	0.217	0.020	0.007	0.006	0.007	0.005	0.237	0.229
		Top Edge 10mm	0.679	0.084	0.063	0.237	0.237	0.014	0.763	0.930
LTE B7	Ant.4	Front Side 10mm	0.041	0.461	0.029	0.073	0.073	0.036	0.502	0.150
		Back Side 10mm	0.357	0.115	0.050	0.290	0.290	0.088	0.472	0.735
		Right Edge 10mm	0.317	0.020	0.007	0.006	0.007	0.005	0.337	0.329
		Top Edge 10mm	0.021	0.084	0.063	0.237	0.237	0.014	0.105	0.272
LTE B12	Ant.0	Front Side 10mm	0.089	0.461	0.029	0.073	0.073	0.036	0.550	0.198
		Back Side 10mm	0.173	0.115	0.050	0.290	0.290	0.088	0.288	0.551
		Left Edge10mm	0.077	0.039	0.114	0.303	0.303	0.009	0.116	0.389
		Right Edge 10mm	0.170	0.020	0.007	0.006	0.007	0.005	0.190	0.182
		Bottom Edge 10mm	0.088	0.009	0.010	0.022	0.022	0.002	0.097	0.112
LTE B12	Ant.1	Front Side 10mm	0.111	0.461	0.029	0.073	0.073	0.036	0.572	0.220
		Back Side 10mm	0.128	0.115	0.050	0.290	0.290	0.088	0.243	0.506
		Right Edge 10mm	0.142	0.020	0.007	0.006	0.007	0.005	0.162	0.154
		Top Edge 10mm	0.111	0.084	0.063	0.237	0.237	0.014	0.195	0.362
LTE B13	Ant.0	Front Side 10mm	0.127	0.461	0.029	0.073	0.073	0.036	0.588	0.236
		Back Side 10mm	0.315	0.115	0.050	0.290	0.290	0.088	0.430	0.693
		Left Edge10mm	0.096	0.039	0.114	0.303	0.303	0.009	0.135	0.408
		Right Edge 10mm	0.151	0.020	0.007	0.006	0.007	0.005	0.171	0.163
		Bottom Edge 10mm	0.178	0.009	0.010	0.022	0.022	0.002	0.187	0.202
LTE B13	Ant.1	Front Side 10mm	0.195	0.461	0.029	0.073	0.073	0.036	0.656	0.304
		Back Side 10mm	0.250	0.115	0.050	0.290	0.290	0.088	0.365	0.628
		Right Edge 10mm	0.142	0.020	0.007	0.006	0.007	0.005	0.162	0.154
		Top Edge 10mm	0.255	0.084	0.063	0.237	0.237	0.014	0.339	0.506
LTE B17	Ant.0	Front Side 10mm	0.099	0.461	0.029	0.073	0.073	0.036	0.560	0.208
		Back Side 10mm	0.219	0.115	0.050	0.290	0.290	0.088	0.334	0.597
		Left Edge10mm	0.090	0.039	0.114	0.303	0.303	0.009	0.129	0.402
		Right Edge 10mm	0.200	0.020	0.007	0.006	0.007	0.005	0.220	0.212
		Bottom Edge 10mm	0.102	0.009	0.010	0.022	0.022	0.002	0.111	0.126
LTE B17	Ant.1	Front Side 10mm	0.107	0.461	0.029	0.073	0.073	0.036	0.568	0.216
		Back Side 10mm	0.119	0.115	0.050	0.290	0.290	0.088	0.234	0.497
		Right Edge 10mm	0.135	0.020	0.007	0.006	0.007	0.005	0.155	0.147
		Top Edge 10mm	0.157	0.084	0.063	0.237	0.237	0.014	0.241	0.408
LTE B26	Ant.0	Front Side 10mm	0.145	0.461	0.029	0.073	0.073	0.036	0.606	0.254
		Back Side 10mm	0.319	0.115	0.050	0.290	0.290	0.088	0.434	0.697
		Left Edge10mm	0.089	0.039	0.114	0.303	0.303	0.009	0.128	0.401
		Right Edge 10mm	0.230	0.020	0.007	0.006	0.007	0.005	0.250	0.242
		Top Edge 10mm	0.189	0.009	0.010	0.022	0.022	0.002	0.198	0.213
LTE B26	Ant.1	Front Side 10mm	0.173	0.461	0.029	0.073	0.073	0.036	0.634	0.282
		Back Side 10mm	0.225	0.115	0.050	0.290	0.290	0.088	0.340	0.603
		Right Edge 10mm	0.103	0.020	0.007	0.006	0.007	0.005	0.123	0.115
		Top Edge 10mm	0.242	0.084	0.063	0.237	0.237	0.014	0.326	0.493

LTE B38	Ant.0	Front Side 10mm	0.126	0.461	0.029	0.073	0.073	0.036	0.587	0.235
		Back Side 10mm	0.148	0.115	0.050	0.290	0.290	0.088	0.263	0.526
		Left Edge10mm	0.093	0.039	0.114	0.303	0.303	0.009	0.132	0.405
		Right Edge 10mm	0.007	0.020	0.007	0.006	0.007	0.005	0.027	0.019
		Top Edge 10mm	0.108	0.009	0.010	0.022	0.022	0.002	0.117	0.132
LTE B38	Ant.1	Front Side 10mm	0.322	0.461	0.029	0.073	0.073	0.036	0.783	0.431
		Back Side 10mm	0.696	0.115	0.050	0.290	0.290	0.088	0.811	1.074
		Right Edge 10mm	0.352	0.020	0.007	0.006	0.007	0.005	0.372	0.364
		Top Edge 10mm	0.725	0.084	0.063	0.237	0.237	0.014	0.809	0.976
LTE B38	Ant.4	Front Side 10mm	0.114	0.461	0.029	0.073	0.073	0.036	0.575	0.223
		Back Side 10mm	0.499	0.115	0.050	0.290	0.290	0.088	0.614	0.877
		Right Edge 10mm	0.444	0.020	0.007	0.006	0.007	0.005	0.464	0.456
		Top Edge 10mm	0.020	0.084	0.063	0.237	0.237	0.014	0.104	0.271
LTE B41	Ant.0	Front Side 10mm	0.208	0.461	0.029	0.073	0.073	0.036	0.669	0.317
		Back Side 10mm	0.242	0.115	0.050	0.290	0.290	0.088	0.357	0.620
		Left Edge10mm	0.147	0.039	0.114	0.303	0.303	0.009	0.186	0.459
		Right Edge 10mm	0.014	0.020	0.007	0.006	0.007	0.005	0.034	0.026
		Top Edge 10mm	0.177	0.009	0.010	0.022	0.022	0.002	0.186	0.201
LTE B41	Ant.1	Front Side 10mm	0.258	0.461	0.029	0.073	0.073	0.036	0.719	0.367
		Back Side 10mm	0.531	0.115	0.050	0.290	0.290	0.088	0.646	0.909
		Right Edge 10mm	0.295	0.020	0.007	0.006	0.007	0.005	0.315	0.307
		Top Edge 10mm	0.601	0.084	0.063	0.237	0.237	0.014	0.685	0.852
LTE B41	Ant.4	Front Side 10mm	0.030	0.461	0.029	0.073	0.073	0.036	0.491	0.139
		Back Side 10mm	0.330	0.115	0.050	0.290	0.290	0.088	0.445	0.708
		Right Edge 10mm	0.323	0.020	0.007	0.006	0.007	0.005	0.343	0.335
		Top Edge 10mm	0.020	0.084	0.063	0.237	0.237	0.014	0.104	0.271
LTE B66	Ant.0	Front Side 10mm	0.246	0.461	0.029	0.073	0.073	0.036	0.707	0.355
		Back Side 10mm	0.423	0.115	0.050	0.290	0.290	0.088	0.538	0.801
		Left Edge10mm	0.134	0.039	0.114	0.303	0.303	0.009	0.173	0.446
		Right Edge 10mm	0.059	0.020	0.007	0.006	0.007	0.005	0.079	0.071
		Bottom Edge 10mm	0.643	0.009	0.010	0.022	0.022	0.002	0.652	0.667
LTE B66	Ant.1	Front Side 10mm	0.274	0.461	0.029	0.073	0.073	0.036	0.735	0.383
		Back Side 10mm	0.287	0.115	0.050	0.290	0.290	0.088	0.402	0.665
		Right Edge 10mm	0.072	0.020	0.007	0.006	0.007	0.005	0.092	0.084
		Top Edge 10mm	0.488	0.084	0.063	0.237	0.237	0.014	0.572	0.739
LTE B66	Ant.4	Front Side 10mm	0.026	0.461	0.029	0.073	0.073	0.036	0.487	0.135
		Back Side 10mm	0.077	0.115	0.050	0.290	0.290	0.088	0.192	0.455
		Right Edge 10mm	0.050	0.020	0.007	0.006	0.007	0.005	0.070	0.062
		Top Edge 10mm	0.015	0.084	0.063	0.237	0.237	0.014	0.099	0.266
N5	Ant.0	Front Side 10mm	0.138	0.461	0.029	0.073	0.073	0.036	0.599	0.247
		Back Side 10mm	0.347	0.115	0.050	0.290	0.290	0.088	0.462	0.725
		Left Edge10mm	0.104	0.039	0.114	0.303	0.303	0.009	0.143	0.416
		Right Edge 10mm	0.133	0.020	0.007	0.006	0.007	0.005	0.153	0.145

		Bottom Edge 10mm	0.263	0.009	0.010	0.022	0.022	0.002	0.272	0.287
N5	Ant.1	Front Side 10mm	0.275	0.461	0.029	0.073	0.073	0.036	0.736	0.384
		Back Side 10mm	0.342	0.115	0.050	0.290	0.290	0.088	0.457	0.720
		Right Edge 10mm	0.158	0.020	0.007	0.006	0.007	0.005	0.178	0.170
		Top Edge 10mm	0.298	0.084	0.063	0.237	0.237	0.014	0.382	0.549
N7	Ant.0	Front Side 10mm	0.386	0.461	0.029	0.073	0.073	0.036	0.847	0.495
		Back Side 10mm	0.497	0.115	0.050	0.290	0.290	0.088	0.612	0.875
		Left Edge10mm	0.029	0.039	0.114	0.303	0.303	0.009	0.068	0.341
		Right Edge 10mm	0.027	0.020	0.007	0.006	0.007	0.005	0.047	0.039
		Bottom Edge 10mm	0.590	0.009	0.010	0.022	0.022	0.002	0.599	0.614
N7	Ant.1	Front Side 10mm	0.221	0.461	0.029	0.073	0.073	0.036	0.682	0.330
		Back Side 10mm	0.351	0.115	0.050	0.290	0.290	0.088	0.466	0.729
		Right Edge 10mm	0.201	0.020	0.007	0.006	0.007	0.005	0.221	0.213
		Top Edge 10mm	0.600	0.084	0.063	0.237	0.237	0.014	0.684	0.851
N7	Ant.4	Front Side 10mm	0.158	0.461	0.029	0.073	0.073	0.036	0.619	0.267
		Back Side 10mm	0.914	0.115	0.050	0.290	0.290	0.088	1.029	1.292
		Right Edge 10mm	0.781	0.020	0.007	0.006	0.007	0.005	0.801	0.793
		Top Edge 10mm	0.106	0.084	0.063	0.237	0.237	0.014	0.190	0.357
N38	Ant.0	Front Side 10mm	0.442	0.461	0.029	0.073	0.073	0.036	0.903	0.551
		Back Side 10mm	0.516	0.115	0.050	0.290	0.290	0.088	0.631	0.894
		Left Edge10mm	0.021	0.039	0.114	0.303	0.303	0.009	0.060	0.333
		Right Edge 10mm	0.029	0.020	0.007	0.006	0.007	0.005	0.049	0.041
		Bottom Edge 10mm	0.596	0.009	0.010	0.022	0.022	0.002	0.605	0.620
N38	Ant.1	Front Side 10mm	0.294	0.461	0.029	0.073	0.073	0.036	0.755	0.403
		Back Side 10mm	0.659	0.115	0.050	0.290	0.290	0.088	0.774	1.037
		Right Edge 10mm	0.322	0.020	0.007	0.006	0.007	0.005	0.342	0.334
		Top Edge 10mm	0.624	0.084	0.063	0.237	0.237	0.014	0.708	0.875
N38	Ant.4	Front Side 10mm	0.191	0.461	0.029	0.073	0.073	0.036	0.652	0.300
		Back Side 10mm	0.836	0.115	0.050	0.290	0.290	0.088	0.951	1.214
		Right Edge 10mm	0.754	0.020	0.007	0.006	0.007	0.005	0.774	0.766
		Top Edge 10mm	0.065	0.084	0.063	0.237	0.237	0.014	0.149	0.316
N41	Ant.0	Front Side 10mm	0.503	0.461	0.029	0.073	0.073	0.036	0.964	0.612
		Back Side 10mm	0.590	0.115	0.050	0.290	0.290	0.088	0.705	0.968
		Left Edge10mm	0.043	0.039	0.114	0.303	0.303	0.009	0.082	0.355
		Right Edge 10mm	0.020	0.020	0.007	0.006	0.007	0.005	0.040	0.032
		Bottom Edge 10mm	0.688	0.009	0.010	0.022	0.022	0.002	0.697	0.712
N41	Ant.1	Front Side 10mm	0.254	0.461	0.029	0.073	0.073	0.036	0.715	0.363
		Back Side 10mm	0.556	0.115	0.050	0.290	0.290	0.088	0.671	0.934
		Right Edge 10mm	0.280	0.020	0.007	0.006	0.007	0.005	0.300	0.292
		Top Edge 10mm	0.599	0.084	0.063	0.237	0.237	0.014	0.683	0.850
N41	Ant.4	Front Side 10mm	0.276	0.461	0.029	0.073	0.073	0.036	0.737	0.385
		Back Side 10mm	1.088	0.115	0.050	0.290	0.290	0.088	1.203	1.466
		Right Edge 10mm	0.996	0.020	0.007	0.006	0.007	0.005	1.016	1.008

		Top Edge 10mm	0.076	0.084	0.063	0.237	0.237	0.014	0.160	0.327
N66	Ant.0	Front Side 10mm	0.270	0.461	0.029	0.073	0.073	0.036	0.731	0.379
		Back Side 10mm	0.543	0.115	0.050	0.290	0.290	0.088	0.658	0.921
		Left Edge10mm	0.186	0.039	0.114	0.303	0.303	0.009	0.225	0.498
		Right Edge 10mm	0.034	0.020	0.007	0.006	0.007	0.005	0.054	0.046
		Bottom Edge 10mm	0.733	0.009	0.010	0.022	0.022	0.002	0.742	0.757
N66	Ant.1	Front Side 10mm	0.282	0.461	0.029	0.073	0.073	0.036	0.743	0.391
		Back Side 10mm	0.287	0.115	0.050	0.290	0.290	0.088	0.402	0.665
		Right Edge 10mm	0.071	0.020	0.007	0.006	0.007	0.005	0.091	0.083
		Top Edge 10mm	0.557	0.084	0.063	0.237	0.237	0.014	0.641	0.808
N66	Ant.4	Front Side 10mm	0.045	0.461	0.029	0.073	0.073	0.036	0.506	0.154
		Back Side 10mm	0.099	0.115	0.050	0.290	0.290	0.088	0.214	0.477
		Right Edge 10mm	0.069	0.020	0.007	0.006	0.007	0.005	0.089	0.081
		Top Edge 10mm	0.023	0.084	0.063	0.237	0.237	0.014	0.107	0.274

Note:

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

2: The highest Summed 1g SAR is 1.466 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.4 Specific Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN

Band	Antenna	Position	Stand alone SAR		SUM SAR
			1	3	
			WWAN	MAX. 5GWIFI	WWAN+WIFI5G 1+3
WCDMA B4	Ant.0	Bottom Edge 0mm	1.679	0.019	1.698
LTE B4	Ant.0	Bottom Edge 0mm	1.685	0.019	1.704
LTE B7	Ant.1	Top Edge 0mm	1.279	0.173	1.452
LTE B66	Ant.0	Bottom Edge 0mm	1.424	0.019	1.443
N7	Ant.1	Top Edge 0mm	1.644	0.173	1.817
N38	Ant.1	Back Side 0mm	2.194	0.238	2.432
		Top Edge 0mm	1.433	0.173	1.606
N41	Ant.1	Back Side 0mm	1.714	0.238	1.952
		Top Edge 0mm	1.956	0.173	2.129
	Ant.4	Back Side 0mm	2.689	0.238	2.927
N66	Ant.0	Bottom Edge 0mm	1.690	0.019	1.709

Note:

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

2: The highest Summed 1g SAR is 2.927 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.5 Head Simultaneous Transmission SAR Evaluation for Only ENDC

NR Band	NR Antenna	LTE Band	LTE Antenna	Position	Stand alone SAR		SUM SAR
					1	2	
					NR(NSA)	LTE(ENDC)	ENDC(1+2)
N66	Ant.0	LTE B2	Ant.1	Left Cheek	0.083	0.302	0.385
				Left Tilt	0.065	0.328	0.393
				Right Cheek	0.105	0.395	0.500
				Right Tilt	0.067	0.488	0.555
N66	Ant.1	LTE B2	Ant.0	Left Cheek	0.196	0.100	0.296
				Left Tilt	0.274	0.060	0.334
				Right Cheek	0.319	0.101	0.420
				Right Tilt	0.385	0.085	0.470
N66	Ant.4	LTE B2	Ant.0	Left Cheek	0.027	0.100	0.127
				Left Tilt	0.014	0.060	0.074
				Right Cheek	0.054	0.101	0.155
				Right Tilt	0.032	0.085	0.117
N66	Ant.4	LTE B2	Ant.1	Left Cheek	0.027	0.302	0.329
				Left Tilt	0.014	0.328	0.342
				Right Cheek	0.054	0.395	0.449
				Right Tilt	0.032	0.488	0.520
N66	Ant.0	LTE B5	Ant.1	Left Cheek	0.083	0.208	0.291
				Left Tilt	0.065	0.197	0.262
				Right Cheek	0.105	0.297	0.402
				Right Tilt	0.067	0.323	0.390
N66	Ant.1	LTE B5	Ant.0	Left Cheek	0.196	0.293	0.489
				Left Tilt	0.274	0.163	0.437
				Right Cheek	0.319	0.225	0.544
				Right Tilt	0.385	0.133	0.518
N66	Ant.4	LTE B5	Ant.0	Left Cheek	0.027	0.293	0.320
				Left Tilt	0.014	0.163	0.177
				Right Cheek	0.054	0.225	0.279
				Right Tilt	0.032	0.133	0.165
N66	Ant.4	LTE B5	Ant.1	Left Cheek	0.027	0.208	0.235
				Left Tilt	0.014	0.197	0.211
				Right Cheek	0.054	0.297	0.351
				Right Tilt	0.032	0.323	0.355
N66	Ant.0	LTE B7	Ant.1	Left Cheek	0.083	0.097	0.180
				Left Tilt	0.065	0.109	0.174
				Right Cheek	0.105	0.236	0.341
				Right Tilt	0.067	0.314	0.381
N66	Ant.0	LTE B7	Ant.4	Left Cheek	0.083	0.165	0.248

				Left Tilt	0.065	0.067	0.132
				Right Cheek	0.105	0.261	0.366
				Right Tilt	0.067	0.154	0.221
N66	Ant.1	LTE B7	Ant.0	Left Cheek	0.196	0.168	0.364
				Left Tilt	0.274	0.123	0.397
				Right Cheek	0.319	0.299	0.618
				Right Tilt	0.385	0.143	0.528
N66	Ant.1	LTE B7	Ant.4	Left Cheek	0.196	0.165	0.361
				Left Tilt	0.274	0.067	0.341
				Right Cheek	0.319	0.261	0.580
				Right Tilt	0.385	0.154	0.539
N66	Ant.4	LTE B7	Ant.0	Left Cheek	0.027	0.168	0.195
				Left Tilt	0.014	0.123	0.137
				Right Cheek	0.054	0.299	0.353
				Right Tilt	0.032	0.143	0.175
N66	Ant.4	LTE B7	Ant.1	Left Cheek	0.027	0.097	0.124
				Left Tilt	0.014	0.109	0.123
				Right Cheek	0.054	0.236	0.290
				Right Tilt	0.032	0.314	0.346
N66	Ant.0	LTE B12	Ant.1	Left Cheek	0.083	0.116	0.199
				Left Tilt	0.065	0.098	0.163
				Right Cheek	0.105	0.177	0.282
				Right Tilt	0.067	0.157	0.224
N66	Ant.1	LTE B12	Ant.0	Left Cheek	0.196	0.077	0.273
				Left Tilt	0.274	0.045	0.319
				Right Cheek	0.319	0.059	0.378
				Right Tilt	0.385	0.026	0.411
N66	Ant.4	LTE B12	Ant.0	Left Cheek	0.027	0.077	0.104
				Left Tilt	0.014	0.045	0.059
				Right Cheek	0.054	0.059	0.113
				Right Tilt	0.032	0.026	0.058
N66	Ant.4	LTE B12	Ant.1	Left Cheek	0.027	0.116	0.143
				Left Tilt	0.014	0.098	0.112
				Right Cheek	0.054	0.177	0.231
				Right Tilt	0.032	0.157	0.189

Note:

1: The highest Summed 1g SAR is 0.618 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.6 Body Worm Simultaneous Transmission SAR Evaluation for Only ENDC

LTE Band	LTE Antenna	Position	Stand alone SAR		SUM SAR
			1	2	
			NR(NSA)	LTE(ENDC)	ENDC(1+2)
LTE B7	Ant.1	Front Side 15mm	0.071	0.056	0.127
		Back Side 15mm	0.100	0.078	0.178
LTE B7	Ant.4	Front Side 15mm	0.071	0.020	0.091
		Back Side 15mm	0.100	0.096	0.196
LTE B7	Ant.0	Front Side 15mm	0.114	0.107	0.221
		Back Side 15mm	0.139	0.147	0.286
LTE B7	Ant.4	Front Side 15mm	0.114	0.020	0.134
		Back Side 15mm	0.139	0.096	0.235
LTE B66	Ant.1	Front Side 15mm	0.071	0.067	0.138
		Back Side 15mm	0.100	0.080	0.180
LTE B66	Ant.4	Front Side 15mm	0.071	0.011	0.082
		Back Side 15mm	0.100	0.023	0.123
LTE B66	Ant.0	Front Side 15mm	0.114	0.059	0.173
		Back Side 15mm	0.139	0.108	0.247
LTE B66	Ant.4	Front Side 15mm	0.114	0.011	0.125
		Back Side 15mm	0.139	0.023	0.162
LTE B2	Ant.1	Front Side 15mm	0.071	0.082	0.153
		Back Side 15mm	0.100	0.094	0.194
LTE B2	Ant.0	Front Side 15mm	0.045	0.144	0.189
		Back Side 15mm	0.072	0.275	0.347
LTE B2	Ant.0	Front Side 15mm	0.032	0.144	0.176
		Back Side 15mm	0.134	0.275	0.409
LTE B2	Ant.1	Front Side 15mm	0.032	0.082	0.114
		Back Side 15mm	0.134	0.094	0.228
LTE B5	Ant.1	Front Side 15mm	0.071	0.124	0.195
		Back Side 15mm	0.100	0.159	0.259
LTE B5	Ant.0	Front Side 15mm	0.045	0.126	0.171
		Back Side 15mm	0.072	0.179	0.251
LTE B5	Ant.0	Front Side 15mm	0.032	0.126	0.158
		Back Side 15mm	0.134	0.179	0.313
LTE B5	Ant.1	Front Side 15mm	0.032	0.124	0.156
		Back Side 15mm	0.134	0.159	0.293
LTE B66	Ant.1	Front Side 15mm	0.071	0.067	0.138
		Back Side 15mm	0.100	0.080	0.180
LTE B66	Ant.4	Front Side 15mm	0.071	0.011	0.082
		Back Side 15mm	0.100	0.023	0.123
LTE B66	Ant.0	Front Side 15mm	0.045	0.059	0.104

		Back Side 15mm	0.072	0.108	0.180
LTE B66	Ant.4	Front Side 15mm	0.045	0.011	0.056
		Back Side 15mm	0.072	0.023	0.095
LTE B66	Ant.0	Front Side 15mm	0.032	0.059	0.091
		Back Side 15mm	0.134	0.108	0.242
LTE B66	Ant.1	Front Side 15mm	0.032	0.067	0.099
		Back Side 15mm	0.134	0.080	0.214
LTE B26	Ant.1	Front Side 15mm	0.123	0.090	0.213
		Back Side 15mm	0.166	0.107	0.273
LTE B26	Ant.0	Front Side 15mm	0.042	0.095	0.137
		Back Side 15mm	0.103	0.116	0.219
LTE B26	Ant.0	Front Side 15mm	0.059	0.095	0.154
		Back Side 15mm	0.200	0.116	0.316
LTE B26	Ant.1	Front Side 15mm	0.059	0.090	0.149
		Back Side 15mm	0.200	0.107	0.307
LTE B66	Ant.1	Front Side 15mm	0.123	0.067	0.190
		Back Side 15mm	0.166	0.080	0.246
LTE B66	Ant.4	Front Side 15mm	0.123	0.011	0.134
		Back Side 15mm	0.166	0.023	0.189
LTE B66	Ant.0	Front Side 15mm	0.042	0.059	0.101
		Back Side 15mm	0.103	0.108	0.211
LTE B66	Ant.4	Front Side 15mm	0.042	0.011	0.053
		Back Side 15mm	0.103	0.023	0.126
LTE B66	Ant.0	Front Side 15mm	0.059	0.059	0.118
		Back Side 15mm	0.200	0.108	0.308
LTE B66	Ant.1	Front Side 15mm	0.059	0.067	0.126
		Back Side 15mm	0.200	0.080	0.280
LTE B2	Ant.1	Front Side 15mm	0.052	0.082	0.146
		Back Side 15mm	0.105	0.094	0.249
LTE B2	Ant.0	Front Side 15mm	0.084	0.144	0.228
		Back Side 15mm	0.092	0.275	0.367
LTE B2	Ant.0	Front Side 15mm	0.016	0.144	0.160
		Back Side 15mm	0.039	0.275	0.314
LTE B2	Ant.1	Front Side 15mm	0.016	0.082	0.098
		Back Side 15mm	0.039	0.094	0.133
LTE B5	Ant.1	Front Side 15mm	0.052	0.124	0.176
		Back Side 15mm	0.105	0.159	0.264
LTE B5	Ant.0	Front Side 15mm	0.084	0.126	0.210
		Back Side 15mm	0.092	0.179	0.271
LTE B5	Ant.0	Front Side 15mm	0.016	0.126	0.142
		Back Side 15mm	0.039	0.179	0.218
LTE B5	Ant.1	Front Side 15mm	0.016	0.124	0.140
		Back Side 15mm	0.039	0.159	0.198

LTE B7	Ant.1	Front Side 15mm	0.052	0.056	0.108
		Back Side 15mm	0.105	0.078	0.183
LTE B7	Ant.4	Front Side 15mm	0.052	0.020	0.072
		Back Side 15mm	0.105	0.096	0.201
LTE B7	Ant.0	Front Side 15mm	0.084	0.107	0.191
		Back Side 15mm	0.092	0.147	0.239
LTE B7	Ant.4	Front Side 15mm	0.084	0.020	0.104
		Back Side 15mm	0.092	0.096	0.188
LTE B7	Ant.0	Front Side 15mm	0.016	0.107	0.123
		Back Side 15mm	0.039	0.147	0.186
LTE B7	Ant.1	Front Side 15mm	0.016	0.056	0.072
		Back Side 15mm	0.039	0.078	0.117
LTE B12	Ant.1	Front Side 15mm	0.052	0.102	0.154
		Back Side 15mm	0.105	0.123	0.228
LTE B12	Ant.0	Front Side 15mm	0.084	0.105	0.189
		Back Side 15mm	0.092	0.147	0.239
LTE B12	Ant.0	Front Side 15mm	0.016	0.105	0.121
		Back Side 15mm	0.039	0.147	0.186
LTE B12	Ant.1	Front Side 15mm	0.016	0.102	0.118
		Back Side 15mm	0.039	0.123	0.162

Note:

1: The highest Summed 1g SAR is 0.409 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

NR Band	NR Antenna	LTE Band	LTE Antenna	Position	Stand alone SAR									SUM SAR	
					1	2	3	4	5				6	WWAN+WIFI2.4G 3+4	WWAN+WIFI5G+BT 3+5+6
					NR(NSA)	LTE(ENDC)	ENDC(1+2)	MAX. 2.4GWIFI	5.3G WIFI	5.6G WIFI	5.8G WIFI	MAX. 5GWIFI	BT		
N5	Ant.0	LTE B7	Ant.1	Left Cheek	0.063	0.083	0.146	0.156	0.217	0.420	0.468	0.468	0.341	0.302	0.955
				Left Tilt	0.053	0.094	0.147	0.123	0.175	0.315	0.364	0.364	0.231	0.270	0.742
				Right Cheek	0.045	0.206	0.251	0.071	0.054	0.118	0.120	0.120	0.151	0.322	0.522
				Right Tilt	0.014	0.273	0.287	0.087	0.064	0.089	0.109	0.109	0.178	0.374	0.574
N5	Ant.0	LTE B7	Ant.4	Left Cheek	0.063	0.092	0.155	0.156	0.217	0.420	0.468	0.468	0.341	0.311	0.964
				Left Tilt	0.053	0.035	0.088	0.123	0.175	0.315	0.364	0.364	0.231	0.211	0.683
				Right Cheek	0.045	0.156	0.201	0.071	0.054	0.118	0.120	0.120	0.151	0.272	0.472
				Right Tilt	0.014	0.089	0.103	0.087	0.064	0.089	0.109	0.109	0.178	0.190	0.390
N5	Ant.1	LTE B7	Ant.0	Left Cheek	0.152	0.168	0.320	0.156	0.217	0.420	0.468	0.468	0.341	0.476	1.129
				Left Tilt	0.163	0.123	0.286	0.123	0.175	0.315	0.364	0.364	0.231	0.409	0.881
				Right Cheek	0.212	0.299	0.511	0.071	0.054	0.118	0.120	0.120	0.151	0.582	0.782
				Right Tilt	0.204	0.143	0.347	0.087	0.064	0.089	0.109	0.109	0.178	0.434	0.634
N5	Ant.1	LTE B7	Ant.4	Left Cheek	0.152	0.092	0.244	0.156	0.217	0.420	0.468	0.468	0.341	0.400	1.053
				Left Tilt	0.163	0.035	0.198	0.123	0.175	0.315	0.364	0.364	0.231	0.321	0.793
				Right Cheek	0.212	0.156	0.368	0.071	0.054	0.118	0.120	0.120	0.151	0.439	0.639
				Right Tilt	0.204	0.089	0.293	0.087	0.064	0.089	0.109	0.109	0.178	0.380	0.580
N5	Ant.0	LTE B66	Ant.1	Left Cheek	0.063	0.135	0.198	0.156	0.217	0.420	0.468	0.468	0.341	0.354	1.007
				Left Tilt	0.053	0.162	0.215	0.123	0.175	0.315	0.364	0.364	0.231	0.338	0.810
				Right Cheek	0.045	0.248	0.293	0.071	0.054	0.118	0.120	0.120	0.151	0.364	0.564
				Right Tilt	0.014	0.277	0.291	0.087	0.064	0.089	0.109	0.109	0.178	0.378	0.578
N5	Ant.0	LTE B66	Ant.4	Left Cheek	0.063	0.068	0.131	0.156	0.217	0.420	0.468	0.468	0.341	0.287	0.940
				Left Tilt	0.053	0.066	0.119	0.123	0.175	0.315	0.364	0.364	0.231	0.242	0.714
				Right Cheek	0.045	0.144	0.189	0.071	0.054	0.118	0.120	0.120	0.151	0.260	0.460
				Right Tilt	0.014	0.056	0.070	0.087	0.064	0.089	0.109	0.109	0.178	0.157	0.357
N5	Ant.1	LTE B66	Ant.0	Left Cheek	0.152	0.043	0.195	0.156	0.217	0.420	0.468	0.468	0.341	0.351	1.004
				Left Tilt	0.163	0.007	0.170	0.123	0.175	0.315	0.364	0.364	0.231	0.293	0.765
				Right Cheek	0.212	0.016	0.228	0.071	0.054	0.118	0.120	0.120	0.151	0.299	0.499
				Right Tilt	0.204	0.032	0.236	0.087	0.064	0.089	0.109	0.109	0.178	0.323	0.523
N5	Ant.1	LTE B66	Ant.4	Left Cheek	0.152	0.068	0.220	0.156	0.217	0.420	0.468	0.468	0.341	0.376	1.029
				Left Tilt	0.163	0.066	0.229	0.123	0.175	0.315	0.364	0.364	0.231	0.352	0.824
				Right Cheek	0.212	0.144	0.356	0.071	0.054	0.118	0.120	0.120	0.151	0.427	0.627
				Right Tilt	0.204	0.056	0.260	0.087	0.064	0.089	0.109	0.109	0.178	0.347	0.547
N7	Ant.0	LTE B2	Ant.1	Left Cheek	0.176	0.132	0.308	0.156	0.217	0.420	0.468	0.468	0.341	0.464	1.117
				Left Tilt	0.116	0.143	0.259	0.123	0.175	0.315	0.364	0.364	0.231	0.382	0.854
				Right Cheek	0.327	0.189	0.516	0.071	0.054	0.118	0.120	0.120	0.151	0.587	0.787
				Right Tilt	0.150	0.220	0.370	0.087	0.064	0.089	0.109	0.109	0.178	0.457	0.657

N7	Ant.1	LTE B2	Ant.0	Left Cheek	0.099	0.100	0.199	0.156	0.217	0.420	0.468	0.468	0.341	0.355	1.008
				Left Tilt	0.156	0.060	0.216	0.123	0.175	0.315	0.364	0.364	0.231	0.339	0.811
				Right Cheek	0.269	0.101	0.370	0.071	0.054	0.118	0.120	0.120	0.151	0.441	0.641
				Right Tilt	0.307	0.085	0.392	0.087	0.064	0.089	0.109	0.109	0.178	0.479	0.679
N7	Ant.4	LTE B2	Ant.0	Left Cheek	0.204	0.100	0.304	0.156	0.217	0.420	0.468	0.468	0.341	0.460	1.113
				Left Tilt	0.070	0.060	0.130	0.123	0.175	0.315	0.364	0.364	0.231	0.253	0.725
				Right Cheek	0.272	0.101	0.373	0.071	0.054	0.118	0.120	0.120	0.151	0.444	0.644
				Right Tilt	0.286	0.085	0.371	0.087	0.064	0.089	0.109	0.109	0.178	0.458	0.658
N7	Ant.4	LTE B2	Ant.1	Left Cheek	0.204	0.132	0.336	0.156	0.217	0.420	0.468	0.468	0.341	0.492	1.145
				Left Tilt	0.070	0.143	0.213	0.123	0.175	0.315	0.364	0.364	0.231	0.336	0.808
				Right Cheek	0.272	0.189	0.461	0.071	0.054	0.118	0.120	0.120	0.151	0.532	0.732
				Right Tilt	0.286	0.220	0.506	0.087	0.064	0.089	0.109	0.109	0.178	0.593	0.793
N7	Ant.0	LTE B5	Ant.1	Left Cheek	0.176	0.187	0.363	0.156	0.217	0.420	0.468	0.468	0.341	0.519	1.172
				Left Tilt	0.116	0.168	0.284	0.123	0.175	0.315	0.364	0.364	0.231	0.407	0.879
				Right Cheek	0.327	0.283	0.610	0.071	0.054	0.118	0.120	0.120	0.151	0.681	0.881
				Right Tilt	0.150	0.276	0.426	0.087	0.064	0.089	0.109	0.109	0.178	0.513	0.713
N7	Ant.1	LTE B5	Ant.0	Left Cheek	0.099	0.293	0.392	0.156	0.217	0.420	0.468	0.468	0.341	0.548	1.201
				Left Tilt	0.156	0.163	0.319	0.123	0.175	0.315	0.364	0.364	0.231	0.442	0.914
				Right Cheek	0.269	0.225	0.494	0.071	0.054	0.118	0.120	0.120	0.151	0.565	0.765
				Right Tilt	0.307	0.133	0.440	0.087	0.064	0.089	0.109	0.109	0.178	0.527	0.727
N7	Ant.4	LTE B5	Ant.0	Left Cheek	0.204	0.293	0.497	0.156	0.217	0.420	0.468	0.468	0.341	0.653	1.306
				Left Tilt	0.070	0.163	0.233	0.123	0.175	0.315	0.364	0.364	0.231	0.356	0.828
				Right Cheek	0.272	0.225	0.497	0.071	0.054	0.118	0.120	0.120	0.151	0.568	0.768
				Right Tilt	0.286	0.133	0.419	0.087	0.064	0.089	0.109	0.109	0.178	0.506	0.706
N7	Ant.4	LTE B5	Ant.1	Left Cheek	0.204	0.187	0.391	0.156	0.217	0.420	0.468	0.468	0.341	0.547	1.200
				Left Tilt	0.070	0.168	0.238	0.123	0.175	0.315	0.364	0.364	0.231	0.361	0.833
				Right Cheek	0.272	0.283	0.555	0.071	0.054	0.118	0.120	0.120	0.151	0.626	0.826
				Right Tilt	0.286	0.276	0.562	0.087	0.064	0.089	0.109	0.109	0.178	0.649	0.849
N7	Ant.0	LTE B66	Ant.1	Left Cheek	0.176	0.135	0.311	0.156	0.217	0.420	0.468	0.468	0.341	0.467	1.120
				Left Tilt	0.116	0.162	0.278	0.123	0.175	0.315	0.364	0.364	0.231	0.401	0.873
				Right Cheek	0.327	0.248	0.575	0.071	0.054	0.118	0.120	0.120	0.151	0.646	0.846
				Right Tilt	0.150	0.277	0.427	0.087	0.064	0.089	0.109	0.109	0.178	0.514	0.714
N7	Ant.0	LTE B66	Ant.4	Left Cheek	0.176	0.068	0.244	0.156	0.217	0.420	0.468	0.468	0.341	0.400	1.053
				Left Tilt	0.116	0.066	0.182	0.123	0.175	0.315	0.364	0.364	0.231	0.305	0.777
				Right Cheek	0.327	0.144	0.471	0.071	0.054	0.118	0.120	0.120	0.151	0.542	0.742
				Right Tilt	0.150	0.056	0.206	0.087	0.064	0.089	0.109	0.109	0.178	0.293	0.493
N7	Ant.1	LTE B66	Ant.0	Left Cheek	0.099	0.043	0.142	0.156	0.217	0.420	0.468	0.468	0.341	0.298	0.951
				Left Tilt	0.156	0.007	0.163	0.123	0.175	0.315	0.364	0.364	0.231	0.286	0.758
				Right Cheek	0.269	0.016	0.285	0.071	0.054	0.118	0.120	0.120	0.151	0.356	0.556
				Right Tilt	0.307	0.032	0.339	0.087	0.064	0.089	0.109	0.109	0.178	0.426	0.626
N7	Ant.1	LTE B66	Ant.4	Left Cheek	0.099	0.068	0.167	0.156	0.217	0.420	0.468	0.468	0.341	0.323	0.976
				Left Tilt	0.156	0.066	0.222	0.123	0.175	0.315	0.364	0.364	0.231	0.345	0.817
				Right Cheek	0.269	0.144	0.413	0.071	0.054	0.118	0.120	0.120	0.151	0.484	0.684

				Right Tilt	0.307	0.056	0.363	0.087	0.064	0.089	0.109	0.109	0.178	0.450	0.650
N7	Ant.4	LTE B66	Ant.0	Left Cheek	0.204	0.043	0.247	0.156	0.217	0.420	0.468	0.468	0.341	0.403	1.056
				Left Tilt	0.070	0.007	0.077	0.123	0.175	0.315	0.364	0.364	0.231	0.200	0.672
				Right Cheek	0.272	0.016	0.288	0.071	0.054	0.118	0.120	0.120	0.151	0.359	0.559
				Right Tilt	0.286	0.032	0.318	0.087	0.064	0.089	0.109	0.109	0.178	0.405	0.605
N7	Ant.4	LTE B66	Ant.1	Left Cheek	0.204	0.135	0.339	0.156	0.217	0.420	0.468	0.468	0.341	0.495	1.148
				Left Tilt	0.070	0.162	0.232	0.123	0.175	0.315	0.364	0.364	0.231	0.355	0.827
				Right Cheek	0.272	0.248	0.520	0.071	0.054	0.118	0.120	0.120	0.151	0.591	0.791
				Right Tilt	0.286	0.277	0.563	0.087	0.064	0.089	0.109	0.109	0.178	0.650	0.850
N41	Ant.0	LTE B26	Ant.1	Left Cheek	0.132	0.171	0.303	0.156	0.217	0.420	0.468	0.468	0.341	0.459	1.112
				Left Tilt	0.077	0.156	0.233	0.123	0.175	0.315	0.364	0.364	0.231	0.356	0.828
				Right Cheek	0.258	0.243	0.501	0.071	0.054	0.118	0.120	0.120	0.151	0.572	0.772
				Right Tilt	0.068	0.237	0.305	0.087	0.064	0.089	0.109	0.109	0.178	0.392	0.592
N41	Ant.1	LTE B26	Ant.0	Left Cheek	0.052	0.168	0.220	0.156	0.217	0.420	0.468	0.468	0.341	0.376	1.029
				Left Tilt	0.064	0.115	0.179	0.123	0.175	0.315	0.364	0.364	0.231	0.302	0.774
				Right Cheek	0.169	0.138	0.307	0.071	0.054	0.118	0.120	0.120	0.151	0.378	0.578
				Right Tilt	0.223	0.064	0.287	0.087	0.064	0.089	0.109	0.109	0.178	0.374	0.574
N41	Ant.4	LTE B26	Ant.0	Left Cheek	0.194	0.168	0.362	0.156	0.217	0.420	0.468	0.468	0.341	0.518	1.171
				Left Tilt	0.072	0.115	0.187	0.123	0.175	0.315	0.364	0.364	0.231	0.310	0.782
				Right Cheek	0.317	0.138	0.455	0.071	0.054	0.118	0.120	0.120	0.151	0.526	0.726
				Right Tilt	0.223	0.064	0.287	0.087	0.064	0.089	0.109	0.109	0.178	0.374	0.574
N41	Ant.4	LTE B26	Ant.1	Left Cheek	0.194	0.171	0.365	0.156	0.217	0.420	0.468	0.468	0.341	0.521	1.174
				Left Tilt	0.072	0.156	0.228	0.123	0.175	0.315	0.364	0.364	0.231	0.351	0.823
				Right Cheek	0.317	0.243	0.560	0.071	0.054	0.118	0.120	0.120	0.151	0.631	0.831
				Right Tilt	0.223	0.237	0.460	0.087	0.064	0.089	0.109	0.109	0.178	0.547	0.747
N41	Ant.0	LTE B66	Ant.1	Left Cheek	0.132	0.135	0.267	0.156	0.217	0.420	0.468	0.468	0.341	0.423	1.076
				Left Tilt	0.077	0.162	0.239	0.123	0.175	0.315	0.364	0.364	0.231	0.362	0.834
				Right Cheek	0.258	0.248	0.506	0.071	0.054	0.118	0.120	0.120	0.151	0.577	0.777
				Right Tilt	0.068	0.277	0.345	0.087	0.064	0.089	0.109	0.109	0.178	0.432	0.632
N41	Ant.0	LTE B66	Ant.4	Left Cheek	0.132	0.068	0.200	0.156	0.217	0.420	0.468	0.468	0.341	0.356	1.009
				Left Tilt	0.077	0.066	0.143	0.123	0.175	0.315	0.364	0.364	0.231	0.266	0.738
				Right Cheek	0.258	0.144	0.402	0.071	0.054	0.118	0.120	0.120	0.151	0.473	0.673
				Right Tilt	0.068	0.056	0.124	0.087	0.064	0.089	0.109	0.109	0.178	0.211	0.411
N41	Ant.1	LTE B66	Ant.0	Left Cheek	0.052	0.043	0.095	0.156	0.217	0.420	0.468	0.468	0.341	0.251	0.904
				Left Tilt	0.064	0.007	0.071	0.123	0.175	0.315	0.364	0.364	0.231	0.194	0.666
				Right Cheek	0.169	0.016	0.185	0.071	0.054	0.118	0.120	0.120	0.151	0.256	0.456
				Right Tilt	0.223	0.032	0.255	0.087	0.064	0.089	0.109	0.109	0.178	0.342	0.542
N41	Ant.1	LTE B66	Ant.4	Left Cheek	0.052	0.068	0.120	0.156	0.217	0.420	0.468	0.468	0.341	0.276	0.929
				Left Tilt	0.064	0.066	0.130	0.123	0.175	0.315	0.364	0.364	0.231	0.253	0.725
				Right Cheek	0.169	0.144	0.313	0.071	0.054	0.118	0.120	0.120	0.151	0.384	0.584
				Right Tilt	0.223	0.056	0.279	0.087	0.064	0.089	0.109	0.109	0.178	0.366	0.566
N41	Ant.4	LTE B66	Ant.0	Left Cheek	0.194	0.043	0.237	0.156	0.217	0.420	0.468	0.468	0.341	0.393	1.046
				Left Tilt	0.072	0.007	0.079	0.123	0.175	0.315	0.364	0.364	0.231	0.202	0.674

				Right Cheek	0.317	0.016	0.333	0.071	0.054	0.118	0.120	0.120	0.151	0.404	0.604
				Right Tilt	0.223	0.032	0.255	0.087	0.064	0.089	0.109	0.109	0.178	0.342	0.542
N41	Ant.4	LTE B66	Ant.1	Left Cheek	0.194	0.135	0.329	0.156	0.217	0.420	0.468	0.468	0.341	0.485	1.138
				Left Tilt	0.072	0.162	0.234	0.123	0.175	0.315	0.364	0.364	0.231	0.357	0.829
				Right Cheek	0.317	0.248	0.565	0.071	0.054	0.118	0.120	0.120	0.151	0.636	0.836
				Right Tilt	0.223	0.277	0.500	0.087	0.064	0.089	0.109	0.109	0.178	0.587	0.787
N66	Ant.0	LTE B2	Ant.1	Left Cheek	0.083	0.132	0.215	0.156	0.217	0.420	0.468	0.468	0.341	0.371	1.024
				Left Tilt	0.065	0.143	0.208	0.123	0.175	0.315	0.364	0.364	0.231	0.331	0.803
				Right Cheek	0.105	0.189	0.294	0.071	0.054	0.118	0.120	0.120	0.151	0.365	0.565
				Right Tilt	0.067	0.220	0.287	0.087	0.064	0.089	0.109	0.109	0.178	0.374	0.574
N66	Ant.1	LTE B2	Ant.0	Left Cheek	0.167	0.100	0.267	0.156	0.217	0.420	0.468	0.468	0.341	0.423	1.076
				Left Tilt	0.232	0.060	0.292	0.123	0.175	0.315	0.364	0.364	0.231	0.415	0.887
				Right Cheek	0.278	0.101	0.379	0.071	0.054	0.118	0.120	0.120	0.151	0.450	0.650
				Right Tilt	0.314	0.085	0.399	0.087	0.064	0.089	0.109	0.109	0.178	0.486	0.686
N66	Ant.4	LTE B2	Ant.0	Left Cheek	0.027	0.100	0.127	0.156	0.217	0.420	0.468	0.468	0.341	0.283	0.936
				Left Tilt	0.014	0.060	0.074	0.123	0.175	0.315	0.364	0.364	0.231	0.197	0.669
				Right Cheek	0.054	0.101	0.155	0.071	0.054	0.118	0.120	0.120	0.151	0.226	0.426
				Right Tilt	0.032	0.085	0.117	0.087	0.064	0.089	0.109	0.109	0.178	0.204	0.404
N66	Ant.4	LTE B2	Ant.1	Left Cheek	0.027	0.132	0.159	0.156	0.217	0.420	0.468	0.468	0.341	0.315	0.968
				Left Tilt	0.014	0.143	0.157	0.123	0.175	0.315	0.364	0.364	0.231	0.280	0.752
				Right Cheek	0.054	0.189	0.243	0.071	0.054	0.118	0.120	0.120	0.151	0.314	0.514
				Right Tilt	0.032	0.220	0.252	0.087	0.064	0.089	0.109	0.109	0.178	0.339	0.539
N66	Ant.0	LTE B5	Ant.1	Left Cheek	0.083	0.187	0.270	0.156	0.217	0.420	0.468	0.468	0.341	0.426	1.079
				Left Tilt	0.065	0.168	0.233	0.123	0.175	0.315	0.364	0.364	0.231	0.356	0.828
				Right Cheek	0.105	0.283	0.388	0.071	0.054	0.118	0.120	0.120	0.151	0.459	0.659
				Right Tilt	0.067	0.276	0.343	0.087	0.064	0.089	0.109	0.109	0.178	0.430	0.630
N66	Ant.1	LTE B5	Ant.0	Left Cheek	0.167	0.293	0.460	0.156	0.217	0.420	0.468	0.468	0.341	0.616	1.269
				Left Tilt	0.232	0.163	0.395	0.123	0.175	0.315	0.364	0.364	0.231	0.518	0.990
				Right Cheek	0.278	0.225	0.503	0.071	0.054	0.118	0.120	0.120	0.151	0.574	0.774
				Right Tilt	0.314	0.133	0.447	0.087	0.064	0.089	0.109	0.109	0.178	0.534	0.734
N66	Ant.4	LTE B5	Ant.0	Left Cheek	0.027	0.293	0.320	0.156	0.217	0.420	0.468	0.468	0.341	0.476	1.129
				Left Tilt	0.014	0.163	0.177	0.123	0.175	0.315	0.364	0.364	0.231	0.300	0.772
				Right Cheek	0.054	0.225	0.279	0.071	0.054	0.118	0.120	0.120	0.151	0.350	0.550
				Right Tilt	0.032	0.133	0.165	0.087	0.064	0.089	0.109	0.109	0.178	0.252	0.452
N66	Ant.4	LTE B5	Ant.1	Left Cheek	0.027	0.187	0.214	0.156	0.217	0.420	0.468	0.468	0.341	0.370	1.023
				Left Tilt	0.014	0.168	0.182	0.123	0.175	0.315	0.364	0.364	0.231	0.305	0.777
				Right Cheek	0.054	0.283	0.337	0.071	0.054	0.118	0.120	0.120	0.151	0.408	0.608
				Right Tilt	0.032	0.276	0.308	0.087	0.064	0.089	0.109	0.109	0.178	0.395	0.595
N66	Ant.0	LTE B7	Ant.1	Left Cheek	0.083	0.083	0.166	0.156	0.217	0.420	0.468	0.468	0.341	0.322	0.975
				Left Tilt	0.065	0.094	0.159	0.123	0.175	0.315	0.364	0.364	0.231	0.282	0.754
				Right Cheek	0.105	0.206	0.311	0.071	0.054	0.118	0.120	0.120	0.151	0.382	0.582
				Right Tilt	0.067	0.273	0.340	0.087	0.064	0.089	0.109	0.109	0.178	0.427	0.627
N66	Ant.0		Ant.4	Left Cheek	0.083	0.092	0.175	0.156	0.217	0.420	0.468	0.468	0.341	0.331	0.984

		LTE B7		Left Tilt	0.065	0.035	0.100	0.123	0.175	0.315	0.364	0.364	0.231	0.223	0.695
				Right Cheek	0.105	0.156	0.261	0.071	0.054	0.118	0.120	0.120	0.151	0.332	0.532
				Right Tilt	0.067	0.089	0.156	0.087	0.064	0.089	0.109	0.109	0.178	0.243	0.443
N66	Ant.1	LTE B7	Ant.0	Left Cheek	0.167	0.168	0.335	0.156	0.217	0.420	0.468	0.468	0.341	0.491	1.144
				Left Tilt	0.232	0.123	0.355	0.123	0.175	0.315	0.364	0.364	0.231	0.478	0.950
				Right Cheek	0.278	0.299	0.577	0.071	0.054	0.118	0.120	0.120	0.151	0.648	0.848
				Right Tilt	0.314	0.143	0.457	0.087	0.064	0.089	0.109	0.109	0.178	0.544	0.744
N66	Ant.1	LTE B7	Ant.4	Left Cheek	0.167	0.092	0.259	0.156	0.217	0.420	0.468	0.468	0.341	0.415	1.068
				Left Tilt	0.232	0.035	0.267	0.123	0.175	0.315	0.364	0.364	0.231	0.390	0.862
				Right Cheek	0.278	0.156	0.434	0.071	0.054	0.118	0.120	0.120	0.151	0.505	0.705
				Right Tilt	0.314	0.089	0.403	0.087	0.064	0.089	0.109	0.109	0.178	0.490	0.690
N66	Ant.4	LTE B7	Ant.0	Left Cheek	0.027	0.168	0.195	0.156	0.217	0.420	0.468	0.468	0.341	0.351	1.004
				Left Tilt	0.014	0.123	0.137	0.123	0.175	0.315	0.364	0.364	0.231	0.260	0.732
				Right Cheek	0.054	0.299	0.353	0.071	0.054	0.118	0.120	0.120	0.151	0.424	0.624
				Right Tilt	0.032	0.143	0.175	0.087	0.064	0.089	0.109	0.109	0.178	0.262	0.462
N66	Ant.4	LTE B7	Ant.1	Left Cheek	0.027	0.083	0.110	0.156	0.217	0.420	0.468	0.468	0.341	0.266	0.919
				Left Tilt	0.014	0.094	0.108	0.123	0.175	0.315	0.364	0.364	0.231	0.231	0.703
				Right Cheek	0.054	0.206	0.260	0.071	0.054	0.118	0.120	0.120	0.151	0.331	0.531
				Right Tilt	0.032	0.273	0.305	0.087	0.064	0.089	0.109	0.109	0.178	0.392	0.592
N66	Ant.0	LTE B12	Ant.1	Left Cheek	0.083	0.097	0.180	0.156	0.217	0.420	0.468	0.468	0.341	0.336	0.989
				Left Tilt	0.065	0.085	0.150	0.123	0.175	0.315	0.364	0.364	0.231	0.273	0.745
				Right Cheek	0.105	0.146	0.251	0.071	0.054	0.118	0.120	0.120	0.151	0.322	0.522
				Right Tilt	0.067	0.132	0.199	0.087	0.064	0.089	0.109	0.109	0.178	0.286	0.486
N66	Ant.1	LTE B12	Ant.0	Left Cheek	0.167	0.077	0.244	0.156	0.217	0.420	0.468	0.468	0.341	0.400	1.053
				Left Tilt	0.232	0.045	0.277	0.123	0.175	0.315	0.364	0.364	0.231	0.400	0.872
				Right Cheek	0.278	0.059	0.337	0.071	0.054	0.118	0.120	0.120	0.151	0.408	0.608
				Right Tilt	0.314	0.026	0.340	0.087	0.064	0.089	0.109	0.109	0.178	0.427	0.627
N66	Ant.4	LTE B12	Ant.0	Left Cheek	0.027	0.077	0.104	0.156	0.217	0.420	0.468	0.468	0.341	0.260	0.913
				Left Tilt	0.014	0.045	0.059	0.123	0.175	0.315	0.364	0.364	0.231	0.182	0.654
				Right Cheek	0.054	0.059	0.113	0.071	0.054	0.118	0.120	0.120	0.151	0.184	0.384
				Right Tilt	0.032	0.026	0.058	0.087	0.064	0.089	0.109	0.109	0.178	0.145	0.345
N66	Ant.4	LTE B12	Ant.1	Left Cheek	0.027	0.097	0.124	0.156	0.217	0.420	0.468	0.468	0.341	0.280	0.933
				Left Tilt	0.014	0.085	0.099	0.123	0.175	0.315	0.364	0.364	0.231	0.222	0.694
				Right Cheek	0.054	0.146	0.200	0.071	0.054	0.118	0.120	0.120	0.151	0.271	0.471
				Right Tilt	0.032	0.132	0.164	0.087	0.064	0.089	0.109	0.109	0.178	0.251	0.451

Note:

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

2: The highest Summed 1g SAR is 1.306 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.8 Body Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN and Bluetooth

NR Band	NR Antenna	LTE Band	LTE Antenna	Position	Stand alone SAR									SUM SAR	
					1	2	3	4	5				6	WWAN+WIFI2.4G 3+4	WWAN+WIFI5G+BT 3+5+6
					NR(NSA)	LTE(ENDC)	ENDC(1+2)	MAX. 2.4GWIFI	5.3G WIFI	5.6G WIFI	5.8G WIFI	MAX. 5GWIFI	BT		
N5	Ant.0	LTE B7	Ant.1	Front Side 15mm	0.071	0.056	0.127	0.023	0.088	0.061	0.191	0.191	0.017	0.150	0.335
				Back Side 15mm	0.100	0.078	0.178	0.055	0.132	0.222	0.660	0.660	0.041	0.233	0.879
N5	Ant.0	LTE B7	Ant.4	Front Side 15mm	0.071	0.020	0.091	0.023	0.088	0.061	0.191	0.191	0.017	0.114	0.299
				Back Side 15mm	0.100	0.096	0.196	0.055	0.132	0.222	0.660	0.660	0.041	0.251	0.897
N5	Ant.1	LTE B7	Ant.0	Front Side 15mm	0.114	0.107	0.221	0.023	0.088	0.061	0.191	0.191	0.017	0.244	0.429
				Back Side 15mm	0.139	0.147	0.286	0.055	0.132	0.222	0.660	0.660	0.041	0.341	0.987
N5	Ant.1	LTE B7	Ant.4	Front Side 15mm	0.114	0.020	0.134	0.023	0.088	0.061	0.191	0.191	0.017	0.157	0.342
				Back Side 15mm	0.139	0.096	0.235	0.055	0.132	0.222	0.660	0.660	0.041	0.290	0.936
N5	Ant.0	LTE B66	Ant.1	Front Side 15mm	0.071	0.067	0.138	0.023	0.088	0.061	0.191	0.191	0.017	0.161	0.346
				Back Side 15mm	0.100	0.080	0.180	0.055	0.132	0.222	0.660	0.660	0.041	0.235	0.881
N5	Ant.0	LTE B66	Ant.4	Front Side 15mm	0.071	0.011	0.082	0.023	0.088	0.061	0.191	0.191	0.017	0.105	0.290
				Back Side 15mm	0.100	0.023	0.123	0.055	0.132	0.222	0.660	0.660	0.041	0.178	0.824
N5	Ant.1	LTE B66	Ant.0	Front Side 15mm	0.114	0.059	0.173	0.023	0.088	0.061	0.191	0.191	0.017	0.196	0.381
				Back Side 15mm	0.139	0.108	0.247	0.055	0.132	0.222	0.660	0.660	0.041	0.302	0.948
N5	Ant.1	LTE B66	Ant.4	Front Side 15mm	0.114	0.011	0.125	0.023	0.088	0.061	0.191	0.191	0.017	0.148	0.333
				Back Side 15mm	0.139	0.023	0.162	0.055	0.132	0.222	0.660	0.660	0.041	0.217	0.863
N7	Ant.0	LTE B2	Ant.1	Front Side 15mm	0.071	0.082	0.153	0.023	0.088	0.061	0.191	0.191	0.017	0.176	0.361
				Back Side 15mm	0.100	0.094	0.194	0.055	0.132	0.222	0.660	0.660	0.041	0.249	0.895
N7	Ant.1	LTE B2	Ant.0	Front Side 15mm	0.045	0.144	0.189	0.023	0.088	0.061	0.191	0.191	0.017	0.212	0.397
				Back Side 15mm	0.072	0.275	0.347	0.055	0.132	0.222	0.660	0.660	0.041	0.402	1.048
N7	Ant.4	LTE B2	Ant.0	Front Side 15mm	0.032	0.144	0.176	0.023	0.088	0.061	0.191	0.191	0.017	0.199	0.384
				Back Side 15mm	0.134	0.275	0.409	0.055	0.132	0.222	0.660	0.660	0.041	0.464	1.110
N7	Ant.4	LTE B2	Ant.1	Front Side 15mm	0.032	0.082	0.114	0.023	0.088	0.061	0.191	0.191	0.017	0.137	0.322
				Back Side 15mm	0.134	0.094	0.228	0.055	0.132	0.222	0.660	0.660	0.041	0.283	0.929
N7	Ant.0	LTE B5	Ant.1	Front Side 15mm	0.071	0.124	0.195	0.023	0.088	0.061	0.191	0.191	0.017	0.218	0.403
				Back Side 15mm	0.100	0.159	0.259	0.055	0.132	0.222	0.660	0.660	0.041	0.314	0.960
N7	Ant.1	LTE B5	Ant.0	Front Side 15mm	0.045	0.126	0.171	0.023	0.088	0.061	0.191	0.191	0.017	0.194	0.379
				Back Side 15mm	0.072	0.179	0.251	0.055	0.132	0.222	0.660	0.660	0.041	0.306	0.952
N7	Ant.4	LTE B5	Ant.0	Front Side 15mm	0.032	0.126	0.158	0.023	0.088	0.061	0.191	0.191	0.017	0.181	0.366
				Back Side 15mm	0.134	0.179	0.313	0.055	0.132	0.222	0.660	0.660	0.041	0.368	1.014
N7	Ant.4	LTE B5	Ant.1	Front Side 15mm	0.032	0.124	0.156	0.023	0.088	0.061	0.191	0.191	0.017	0.179	0.364
				Back Side 15mm	0.134	0.159	0.293	0.055	0.132	0.222	0.660	0.660	0.041	0.348	0.994
N7	Ant.0	LTE B66	Ant.1	Front Side 15mm	0.071	0.067	0.138	0.023	0.088	0.061	0.191	0.191	0.017	0.161	0.346
				Back Side 15mm	0.100	0.080	0.180	0.055	0.132	0.222	0.660	0.660	0.041	0.235	0.881
N7	Ant.0	LTE B66	Ant.4	Front Side 15mm	0.071	0.011	0.082	0.023	0.088	0.061	0.191	0.191	0.017	0.105	0.290
				Back Side 15mm	0.100	0.023	0.123	0.055	0.132	0.222	0.660	0.660	0.041	0.178	0.824

N7	Ant.1	LTE B66	Ant.0	Front Side 15mm	0.045	0.059	0.104	0.023	0.088	0.061	0.191	0.191	0.017	0.127	0.312
				Back Side 15mm	0.072	0.108	0.180	0.055	0.132	0.222	0.660	0.660	0.041	0.235	0.881
N7	Ant.1	LTE B66	Ant.4	Front Side 15mm	0.045	0.011	0.056	0.023	0.088	0.061	0.191	0.191	0.017	0.079	0.264
				Back Side 15mm	0.072	0.023	0.095	0.055	0.132	0.222	0.660	0.660	0.041	0.150	0.796
N7	Ant.4	LTE B66	Ant.0	Front Side 15mm	0.032	0.059	0.091	0.023	0.088	0.061	0.191	0.191	0.017	0.114	0.299
				Back Side 15mm	0.134	0.108	0.242	0.055	0.132	0.222	0.660	0.660	0.041	0.297	0.943
N7	Ant.4	LTE B66	Ant.1	Front Side 15mm	0.032	0.067	0.099	0.023	0.088	0.061	0.191	0.191	0.017	0.122	0.307
				Back Side 15mm	0.134	0.080	0.214	0.055	0.132	0.222	0.660	0.660	0.041	0.269	0.915
N41	Ant.0	LTE B26	Ant.1	Front Side 15mm	0.123	0.090	0.213	0.023	0.088	0.061	0.191	0.191	0.017	0.236	0.421
				Back Side 15mm	0.166	0.107	0.273	0.055	0.132	0.222	0.660	0.660	0.041	0.328	0.974
N41	Ant.1	LTE B26	Ant.0	Front Side 15mm	0.042	0.095	0.137	0.023	0.088	0.061	0.191	0.191	0.017	0.160	0.345
				Back Side 15mm	0.103	0.116	0.219	0.055	0.132	0.222	0.660	0.660	0.041	0.274	0.920
N41	Ant.4	LTE B26	Ant.0	Front Side 15mm	0.059	0.095	0.154	0.023	0.088	0.061	0.191	0.191	0.017	0.177	0.362
				Back Side 15mm	0.200	0.116	0.316	0.055	0.132	0.222	0.660	0.660	0.041	0.371	1.017
N41	Ant.4	LTE B26	Ant.1	Front Side 15mm	0.059	0.090	0.149	0.023	0.088	0.061	0.191	0.191	0.017	0.172	0.357
				Back Side 15mm	0.200	0.107	0.307	0.055	0.132	0.222	0.660	0.660	0.041	0.362	1.008
N41	Ant.0	LTE B66	Ant.1	Front Side 15mm	0.123	0.067	0.190	0.023	0.088	0.061	0.191	0.191	0.017	0.213	0.398
				Back Side 15mm	0.166	0.080	0.246	0.055	0.132	0.222	0.660	0.660	0.041	0.301	0.947
N41	Ant.0	LTE B66	Ant.4	Front Side 15mm	0.123	0.011	0.134	0.023	0.088	0.061	0.191	0.191	0.017	0.157	0.342
				Back Side 15mm	0.166	0.023	0.189	0.055	0.132	0.222	0.660	0.660	0.041	0.244	0.890
N41	Ant.1	LTE B66	Ant.0	Front Side 15mm	0.042	0.059	0.101	0.023	0.088	0.061	0.191	0.191	0.017	0.124	0.309
				Back Side 15mm	0.103	0.108	0.211	0.055	0.132	0.222	0.660	0.660	0.041	0.266	0.912
N41	Ant.1	LTE B66	Ant.4	Front Side 15mm	0.042	0.011	0.053	0.023	0.088	0.061	0.191	0.191	0.017	0.076	0.261
				Back Side 15mm	0.103	0.023	0.126	0.055	0.132	0.222	0.660	0.660	0.041	0.181	0.827
N41	Ant.4	LTE B66	Ant.0	Front Side 15mm	0.059	0.059	0.118	0.023	0.088	0.061	0.191	0.191	0.017	0.141	0.326
				Back Side 15mm	0.200	0.108	0.308	0.055	0.132	0.222	0.660	0.660	0.041	0.363	1.009
N41	Ant.4	LTE B66	Ant.1	Front Side 15mm	0.059	0.067	0.126	0.023	0.088	0.061	0.191	0.191	0.017	0.149	0.334
				Back Side 15mm	0.200	0.080	0.280	0.055	0.132	0.222	0.660	0.660	0.041	0.335	0.981
N66	Ant.0	LTE B2	Ant.1	Front Side 15mm	0.052	0.082	0.134	0.023	0.088	0.061	0.191	0.191	0.017	0.157	0.342
				Back Side 15mm	0.105	0.094	0.199	0.055	0.132	0.222	0.660	0.660	0.041	0.254	0.900
N66	Ant.1	LTE B2	Ant.0	Front Side 15mm	0.084	0.144	0.228	0.023	0.088	0.061	0.191	0.191	0.017	0.251	0.436
				Back Side 15mm	0.092	0.275	0.367	0.055	0.132	0.222	0.660	0.660	0.041	0.422	1.068
N66	Ant.4	LTE B2	Ant.0	Front Side 15mm	0.016	0.144	0.160	0.023	0.088	0.061	0.191	0.191	0.017	0.183	0.368
				Back Side 15mm	0.039	0.275	0.314	0.055	0.132	0.222	0.660	0.660	0.041	0.369	1.015
N66	Ant.4	LTE B2	Ant.1	Front Side 15mm	0.016	0.082	0.098	0.023	0.088	0.061	0.191	0.191	0.017	0.121	0.306
				Back Side 15mm	0.039	0.094	0.133	0.055	0.132	0.222	0.660	0.660	0.041	0.188	0.834
N66	Ant.0	LTE B5	Ant.1	Front Side 15mm	0.052	0.124	0.176	0.023	0.088	0.061	0.191	0.191	0.017	0.199	0.384
				Back Side 15mm	0.105	0.159	0.264	0.055	0.132	0.222	0.660	0.660	0.041	0.319	0.965
N66	Ant.1	LTE B5	Ant.0	Front Side 15mm	0.084	0.126	0.210	0.023	0.088	0.061	0.191	0.191	0.017	0.233	0.418
				Back Side 15mm	0.092	0.179	0.271	0.055	0.132	0.222	0.660	0.660	0.041	0.326	0.972
N66	Ant.4	LTE B5	Ant.0	Front Side 15mm	0.016	0.126	0.142	0.023	0.088	0.061	0.191	0.191	0.017	0.165	0.350
				Back Side 15mm	0.039	0.179	0.218	0.055	0.132	0.222	0.660	0.660	0.041	0.273	0.919
N66	Ant.4		Ant.1	Front Side 15mm	0.016	0.124	0.140	0.023	0.088	0.061	0.191	0.191	0.017	0.163	0.348

		LTE B5		Back Side 15mm	0.039	0.159	0.198	0.055	0.132	0.222	0.660	0.660	0.041	0.253	0.899
N66	Ant.0	LTE B7	Ant.1	Front Side 15mm	0.052	0.056	0.108	0.023	0.088	0.061	0.191	0.191	0.017	0.131	0.316
				Back Side 15mm	0.105	0.078	0.183	0.055	0.132	0.222	0.660	0.660	0.041	0.238	0.884
N66	Ant.0	LTE B7	Ant.4	Front Side 15mm	0.052	0.020	0.072	0.023	0.088	0.061	0.191	0.191	0.017	0.095	0.280
				Back Side 15mm	0.105	0.096	0.201	0.055	0.132	0.222	0.660	0.660	0.041	0.256	0.902
N66	Ant.1	LTE B7	Ant.0	Front Side 15mm	0.084	0.107	0.191	0.023	0.088	0.061	0.191	0.191	0.017	0.214	0.399
				Back Side 15mm	0.092	0.147	0.239	0.055	0.132	0.222	0.660	0.660	0.041	0.294	0.940
N66	Ant.1	LTE B7	Ant.4	Front Side 15mm	0.084	0.020	0.104	0.023	0.088	0.061	0.191	0.191	0.017	0.127	0.312
				Back Side 15mm	0.092	0.096	0.188	0.055	0.132	0.222	0.660	0.660	0.041	0.243	0.889
N66	Ant.4	LTE B7	Ant.0	Front Side 15mm	0.016	0.107	0.123	0.023	0.088	0.061	0.191	0.191	0.017	0.146	0.331
				Back Side 15mm	0.039	0.147	0.186	0.055	0.132	0.222	0.660	0.660	0.041	0.241	0.887
N66	Ant.4	LTE B7	Ant.1	Front Side 15mm	0.016	0.056	0.072	0.023	0.088	0.061	0.191	0.191	0.017	0.095	0.280
				Back Side 15mm	0.039	0.078	0.117	0.055	0.132	0.222	0.660	0.660	0.041	0.172	0.818
N66	Ant.0	LTE B12	Ant.1	Front Side 15mm	0.052	0.102	0.154	0.023	0.088	0.061	0.191	0.191	0.017	0.177	0.362
				Back Side 15mm	0.105	0.123	0.228	0.055	0.132	0.222	0.660	0.660	0.041	0.283	0.929
N66	Ant.1	LTE B12	Ant.0	Front Side 15mm	0.084	0.105	0.189	0.023	0.088	0.061	0.191	0.191	0.017	0.212	0.397
				Back Side 15mm	0.092	0.147	0.239	0.055	0.132	0.222	0.660	0.660	0.041	0.294	0.940
N66	Ant.4	LTE B12	Ant.0	Front Side 15mm	0.016	0.105	0.121	0.023	0.088	0.061	0.191	0.191	0.017	0.144	0.329
				Back Side 15mm	0.039	0.147	0.186	0.055	0.132	0.222	0.660	0.660	0.041	0.241	0.887
N66	Ant.4	LTE B12	Ant.1	Front Side 15mm	0.016	0.102	0.118	0.023	0.088	0.061	0.191	0.191	0.017	0.141	0.326
				Back Side 15mm	0.039	0.123	0.162	0.055	0.132	0.222	0.660	0.660	0.041	0.217	0.863
Note:															
1: The simultaneous transmission combinations of more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations was shown in this table.															
2: The highest Summed 1g SAR is 1.11 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.															

13.2.9 Body Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN and Bluetooth

Band	Antenna	Band	Antenna	Position	Stand alone SAR								SUM SAR	
					1	2	3	4	5			6	WWAN+WIFI2.4G 3+4	WWAN+WIFI5G+BT 3+5+6
					NR(NSA)	LTE(ENDC)	ENDC(1+2)	MAX. 2.4GWIFI	5.2G WIFI-	5.8G WIFI	MAX. 5GWIFI	BT		
N5	Ant.0	LTE B7	Ant.1	Front Side 10mm	0.101	0.108	0.209	0.461	0.029	0.073	0.073	0.036	0.670	0.318
				Back Side 10mm	0.265	0.173	0.438	0.115	0.050	0.290	0.290	0.087	0.553	0.815
				Left Edge10mm	0.075	0.000	0.075	0.039	0.114	0.303	0.303	0.009	0.114	0.387
				Right Edge10mm	0.099	0.094	0.193	0.020	0.007	0.006	0.007	0.005	0.213	0.205
				Top Edge 10mm	0.000	0.313	0.313	0.084	0.063	0.237	0.237	0.014	0.397	0.564
				Bottom Edge 10mm	0.197	0.000	0.197	0.009	0.010	0.022	0.022	0.002	0.206	0.221
N5	Ant.0	LTE B7	Ant.4	Front Side 10mm	0.101	0.017	0.118	0.461	0.029	0.073	0.073	0.036	0.579	0.227
				Back Side 10mm	0.265	0.159	0.424	0.115	0.050	0.290	0.290	0.087	0.539	0.801
				Left Edge10mm	0.075	0.000	0.075	0.039	0.114	0.303	0.303	0.009	0.114	0.387
				Right Edge10mm	0.099	0.145	0.244	0.020	0.007	0.006	0.007	0.005	0.264	0.256
				Top Edge 10mm	0.000	0.009	0.009	0.084	0.063	0.237	0.237	0.014	0.093	0.260
				Bottom Edge 10mm	0.197	0.000	0.197	0.009	0.010	0.022	0.022	0.002	0.206	0.221
N5	Ant.1	LTE B7	Ant.0	Front Side 10mm	0.210	0.138	0.348	0.461	0.029	0.073	0.073	0.036	0.809	0.457
				Back Side 10mm	0.255	0.171	0.426	0.115	0.050	0.290	0.290	0.087	0.541	0.803
				Left Edge10mm	0.000	0.111	0.111	0.039	0.114	0.303	0.303	0.009	0.150	0.423
				Right Edge10mm	0.136	0.014	0.150	0.020	0.007	0.006	0.007	0.005	0.170	0.162
				Top Edge 10mm	0.231	0.000	0.231	0.084	0.063	0.237	0.237	0.014	0.315	0.482
				Bottom Edge 10mm	0.000	0.118	0.118	0.009	0.010	0.022	0.022	0.002	0.127	0.142
N5	Ant.1	LTE B7	Ant.4	Front Side 10mm	0.210	0.017	0.227	0.461	0.029	0.073	0.073	0.036	0.688	0.336
				Back Side 10mm	0.255	0.159	0.414	0.115	0.050	0.290	0.290	0.087	0.529	0.791
				Left Edge10mm	0.000	0.000	0.000	0.039	0.114	0.303	0.303	0.009	0.039	0.312
				Right Edge10mm	0.136	0.145	0.281	0.020	0.007	0.006	0.007	0.005	0.301	0.293
				Top Edge 10mm	0.231	0.009	0.240	0.084	0.063	0.237	0.237	0.014	0.324	0.491
				Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.010	0.022	0.022	0.002	0.009	0.024
N5	Ant.0	LTE B66	Ant.1	Front Side 10mm	0.101	0.161	0.262	0.461	0.029	0.073	0.073	0.036	0.723	0.371
				Back Side 10mm	0.265	0.170	0.435	0.115	0.050	0.290	0.290	0.087	0.550	0.812
				Left Edge10mm	0.075	0.000	0.075	0.039	0.114	0.303	0.303	0.009	0.114	0.387
				Right Edge10mm	0.099	0.034	0.133	0.020	0.007	0.006	0.007	0.005	0.153	0.145
				Top Edge 10mm	0.000	0.271	0.271	0.084	0.063	0.237	0.237	0.014	0.355	0.522
				Bottom Edge 10mm	0.197	0.000	0.197	0.009	0.010	0.022	0.022	0.002	0.206	0.221
N5	Ant.0	LTE B66	Ant.4	Front Side 10mm	0.101	0.019	0.120	0.461	0.029	0.073	0.073	0.036	0.581	0.229
				Back Side 10mm	0.265	0.057	0.322	0.115	0.050	0.290	0.290	0.087	0.437	0.699
				Left Edge10mm	0.075	0.000	0.075	0.039	0.114	0.303	0.303	0.009	0.114	0.387
				Right Edge10mm	0.099	0.038	0.137	0.020	0.007	0.006	0.007	0.005	0.157	0.149
				Top Edge 10mm	0.000	0.012	0.012	0.084	0.063	0.237	0.237	0.014	0.096	0.263

				Bottom Edge 10mm	0.197	0.000	0.197	0.009	0.010	0.022	0.022	0.002	0.206	0.221
N5	Ant.1	LTE B66	Ant.0	Front Side 10mm	0.210	0.093	0.303	0.461	0.029	0.073	0.073	0.036	0.764	0.412
				Back Side 10mm	0.255	0.157	0.412	0.115	0.050	0.290	0.290	0.087	0.527	0.789
				Left Edge10mm	0.000	0.045	0.045	0.039	0.114	0.303	0.303	0.009	0.084	0.357
				Right Edge10mm	0.136	0.027	0.163	0.020	0.007	0.006	0.007	0.005	0.183	0.175
				Top Edge 10mm	0.231	0.000	0.231	0.084	0.063	0.237	0.237	0.014	0.315	0.482
				Bottom Edge 10mm	0.000	0.250	0.250	0.009	0.010	0.022	0.022	0.002	0.259	0.274
N5	Ant.1	LTE B66	Ant.4	Front Side 10mm	0.210	0.019	0.229	0.461	0.029	0.073	0.073	0.036	0.690	0.338
				Back Side 10mm	0.255	0.057	0.312	0.115	0.050	0.290	0.290	0.087	0.427	0.689
				Left Edge10mm	0.000	0.000	0.000	0.039	0.114	0.303	0.303	0.009	0.039	0.312
				Right Edge10mm	0.136	0.038	0.174	0.020	0.007	0.006	0.007	0.005	0.194	0.186
				Top Edge 10mm	0.231	0.012	0.243	0.084	0.063	0.237	0.237	0.014	0.327	0.494
				Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.010	0.022	0.022	0.002	0.009	0.024
N7	Ant.0	LTE B2	Ant.1	Front Side 10mm	0.230	0.280	0.510	0.461	0.029	0.073	0.073	0.036	0.971	0.619
				Back Side 10mm	0.293	0.302	0.595	0.115	0.050	0.290	0.290	0.087	0.710	0.972
				Left Edge10mm	0.012	0.000	0.012	0.039	0.114	0.303	0.303	0.009	0.051	0.324
				Right Edge10mm	0.016	0.063	0.079	0.020	0.007	0.006	0.007	0.005	0.099	0.091
				Top Edge 10mm	0.000	0.554	0.554	0.084	0.063	0.237	0.237	0.014	0.638	0.805
				Bottom Edge 10mm	0.340	0.000	0.340	0.009	0.010	0.022	0.022	0.002	0.349	0.364
N7	Ant.1	LTE B2	Ant.0	Front Side 10mm	0.094	0.275	0.369	0.461	0.029	0.073	0.073	0.036	0.830	0.478
				Back Side 10mm	0.132	0.505	0.637	0.115	0.050	0.290	0.290	0.087	0.752	1.014
				Left Edge10mm	0.000	0.195	0.195	0.039	0.114	0.303	0.303	0.009	0.234	0.507
				Right Edge10mm	0.080	0.089	0.169	0.020	0.007	0.006	0.007	0.005	0.189	0.181
				Top Edge 10mm	0.250	0.000	0.250	0.084	0.063	0.237	0.237	0.014	0.334	0.501
				Bottom Edge 10mm	0.000	0.706	0.706	0.009	0.010	0.022	0.022	0.002	0.715	0.730
N7	Ant.4	LTE B2	Ant.0	Front Side 10mm	0.046	0.275	0.321	0.461	0.029	0.073	0.073	0.036	0.782	0.430
				Back Side 10mm	0.268	0.505	0.773	0.115	0.050	0.290	0.290	0.087	0.888	1.150
				Left Edge10mm	0.000	0.195	0.195	0.039	0.114	0.303	0.303	0.009	0.234	0.507
				Right Edge10mm	0.223	0.089	0.312	0.020	0.007	0.006	0.007	0.005	0.332	0.324
				Top Edge 10mm	0.033	0.000	0.033	0.084	0.063	0.237	0.237	0.014	0.117	0.284
				Bottom Edge 10mm	0.000	0.706	0.706	0.009	0.010	0.022	0.022	0.002	0.715	0.730
N7	Ant.4	LTE B2	Ant.1	Front Side 10mm	0.046	0.280	0.326	0.461	0.029	0.073	0.073	0.036	0.787	0.435
				Back Side 10mm	0.268	0.302	0.570	0.115	0.050	0.290	0.290	0.087	0.685	0.947
				Left Edge10mm	0.000	0.000	0.000	0.039	0.114	0.303	0.303	0.009	0.039	0.312
				Right Edge10mm	0.223	0.063	0.286	0.020	0.007	0.006	0.007	0.005	0.306	0.298
				Top Edge 10mm	0.033	0.554	0.587	0.084	0.063	0.237	0.237	0.014	0.671	0.838
				Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.010	0.022	0.022	0.002	0.009	0.024
N7	Ant.0	LTE B5	Ant.1	Front Side 10mm	0.230	0.192	0.422	0.461	0.029	0.073	0.073	0.036	0.883	0.531
				Back Side 10mm	0.293	0.245	0.538	0.115	0.050	0.290	0.290	0.087	0.653	0.915
				Left Edge10mm	0.012	0.000	0.012	0.039	0.114	0.303	0.303	0.009	0.051	0.324
				Right Edge10mm	0.016	0.098	0.114	0.020	0.007	0.006	0.007	0.005	0.134	0.126
				Top Edge 10mm	0.000	0.215	0.215	0.084	0.063	0.237	0.237	0.014	0.299	0.466
				Bottom Edge 10mm	0.340	0.000	0.340	0.009	0.010	0.022	0.022	0.002	0.349	0.364

N7	Ant.1	LTE B5	Ant.0	Front Side 10mm	0.094	0.139	0.233	0.461	0.029	0.073	0.073	0.036	0.694	0.342
				Back Side 10mm	0.132	0.293	0.425	0.115	0.050	0.290	0.290	0.087	0.540	0.802
				Left Edge10mm	0.000	0.085	0.085	0.039	0.114	0.303	0.303	0.009	0.124	0.397
				Right Edge10mm	0.080	0.185	0.265	0.020	0.007	0.006	0.007	0.005	0.285	0.277
				Top Edge 10mm	0.250	0.000	0.250	0.084	0.063	0.237	0.237	0.014	0.334	0.501
				Bottom Edge 10mm	0.000	0.203	0.203	0.009	0.010	0.022	0.022	0.002	0.212	0.227
N7	Ant.4	LTE B5	Ant.0	Front Side 10mm	0.046	0.139	0.185	0.461	0.029	0.073	0.073	0.036	0.646	0.294
				Back Side 10mm	0.268	0.293	0.561	0.115	0.050	0.290	0.290	0.087	0.676	0.938
				Left Edge10mm	0.000	0.085	0.085	0.039	0.114	0.303	0.303	0.009	0.124	0.397
				Right Edge10mm	0.223	0.185	0.408	0.020	0.007	0.006	0.007	0.005	0.428	0.420
				Top Edge 10mm	0.033	0.000	0.033	0.084	0.063	0.237	0.237	0.014	0.117	0.284
				Bottom Edge 10mm	0.000	0.203	0.203	0.009	0.010	0.022	0.022	0.002	0.212	0.227
N7	Ant.4	LTE B5	Ant.1	Front Side 10mm	0.046	0.192	0.238	0.461	0.029	0.073	0.073	0.036	0.699	0.347
				Back Side 10mm	0.268	0.245	0.513	0.115	0.050	0.290	0.290	0.087	0.628	0.890
				Left Edge10mm	0.000	0.000	0.000	0.039	0.114	0.303	0.303	0.009	0.039	0.312
				Right Edge10mm	0.223	0.098	0.321	0.020	0.007	0.006	0.007	0.005	0.341	0.333
				Top Edge 10mm	0.033	0.215	0.248	0.084	0.063	0.237	0.237	0.014	0.332	0.499
				Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.010	0.022	0.022	0.002	0.009	0.024
N7	Ant.0	LTE B66	Ant.1	Front Side 10mm	0.230	0.161	0.391	0.461	0.029	0.073	0.073	0.036	0.852	0.500
				Back Side 10mm	0.293	0.170	0.463	0.115	0.050	0.290	0.290	0.087	0.578	0.840
				Left Edge10mm	0.012	0.000	0.012	0.039	0.114	0.303	0.303	0.009	0.051	0.324
				Right Edge10mm	0.016	0.034	0.050	0.020	0.007	0.006	0.007	0.005	0.070	0.062
				Top Edge 10mm	0.000	0.271	0.271	0.084	0.063	0.237	0.237	0.014	0.355	0.522
				Bottom Edge 10mm	0.340	0.000	0.340	0.009	0.010	0.022	0.022	0.002	0.349	0.364
N7	Ant.0	LTE B66	Ant.4	Front Side 10mm	0.230	0.019	0.249	0.461	0.029	0.073	0.073	0.036	0.710	0.358
				Back Side 10mm	0.293	0.057	0.350	0.115	0.050	0.290	0.290	0.087	0.465	0.727
				Left Edge10mm	0.012	0.000	0.012	0.039	0.114	0.303	0.303	0.009	0.051	0.324
				Right Edge10mm	0.016	0.038	0.054	0.020	0.007	0.006	0.007	0.005	0.074	0.066
				Top Edge 10mm	0.000	0.012	0.012	0.084	0.063	0.237	0.237	0.014	0.096	0.263
				Bottom Edge 10mm	0.340	0.000	0.340	0.009	0.010	0.022	0.022	0.002	0.349	0.364
N7	Ant.1	LTE B66	Ant.0	Front Side 10mm	0.094	0.093	0.187	0.461	0.029	0.073	0.073	0.036	0.648	0.296
				Back Side 10mm	0.132	0.157	0.289	0.115	0.050	0.290	0.290	0.087	0.404	0.666
				Left Edge10mm	0.000	0.045	0.045	0.039	0.114	0.303	0.303	0.009	0.084	0.357
				Right Edge10mm	0.080	0.027	0.107	0.020	0.007	0.006	0.007	0.005	0.127	0.119
				Top Edge 10mm	0.250	0.000	0.250	0.084	0.063	0.237	0.237	0.014	0.334	0.501
				Bottom Edge 10mm	0.000	0.250	0.250	0.009	0.010	0.022	0.022	0.002	0.259	0.274
N7	Ant.1	LTE B66	Ant.4	Front Side 10mm	0.094	0.019	0.113	0.461	0.029	0.073	0.073	0.036	0.574	0.222
				Back Side 10mm	0.132	0.057	0.189	0.115	0.050	0.290	0.290	0.087	0.304	0.566
				Left Edge10mm	0.000	0.000	0.000	0.039	0.114	0.303	0.303	0.009	0.039	0.312
				Right Edge10mm	0.080	0.038	0.118	0.020	0.007	0.006	0.007	0.005	0.138	0.130
				Top Edge 10mm	0.250	0.012	0.262	0.084	0.063	0.237	0.237	0.014	0.346	0.513
				Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.010	0.022	0.022	0.002	0.009	0.024
N7	Ant.4		Ant.0	Front Side 10mm	0.046	0.093	0.139	0.461	0.029	0.073	0.073	0.036	0.600	0.248

		LTE B66		Back Side 10mm	0.268	0.157	0.425	0.115	0.050	0.290	0.290	0.087	0.540	0.802
				Left Edge10mm	0.000	0.045	0.045	0.039	0.114	0.303	0.303	0.009	0.084	0.357
				Right Edge10mm	0.223	0.027	0.250	0.020	0.007	0.006	0.007	0.005	0.270	0.262
				Top Edge 10mm	0.033	0.000	0.033	0.084	0.063	0.237	0.237	0.014	0.117	0.284
				Bottom Edge 10mm	0.000	0.250	0.250	0.009	0.010	0.022	0.022	0.002	0.259	0.274
N7	Ant.4	LTE B66	Ant.1	Front Side 10mm	0.046	0.161	0.207	0.461	0.029	0.073	0.073	0.036	0.668	0.316
				Back Side 10mm	0.268	0.170	0.438	0.115	0.050	0.290	0.290	0.087	0.553	0.815
				Left Edge10mm	0.000	0.000	0.000	0.039	0.114	0.303	0.303	0.009	0.039	0.312
				Right Edge10mm	0.223	0.034	0.257	0.020	0.007	0.006	0.007	0.005	0.277	0.269
				Top Edge 10mm	0.033	0.271	0.304	0.084	0.063	0.237	0.237	0.014	0.388	0.555
				Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.010	0.022	0.022	0.002	0.009	0.024
N41	Ant.0	LTE B26	Ant.1	Front Side 10mm	0.217	0.109	0.326	0.461	0.029	0.073	0.073	0.036	0.787	0.435
				Back Side 10mm	0.237	0.136	0.373	0.115	0.050	0.290	0.290	0.087	0.488	0.750
				Left Edge10mm	0.012	0.000	0.012	0.039	0.114	0.303	0.303	0.009	0.051	0.324
				Right Edge10mm	0.008	0.066	0.074	0.020	0.007	0.006	0.007	0.005	0.094	0.086
				Top Edge 10mm	0.000	0.152	0.152	0.084	0.063	0.237	0.237	0.014	0.236	0.403
				Bottom Edge 10mm	0.278	0.000	0.278	0.009	0.010	0.022	0.022	0.002	0.287	0.302
N41	Ant.1	LTE B26	Ant.0	Front Side 10mm	0.068	0.091	0.159	0.461	0.029	0.073	0.073	0.036	0.620	0.268
				Back Side 10mm	0.157	0.222	0.379	0.115	0.050	0.290	0.290	0.087	0.494	0.756
				Left Edge10mm	0.000	0.063	0.063	0.039	0.114	0.303	0.303	0.009	0.102	0.375
				Right Edge10mm	0.085	0.136	0.221	0.020	0.007	0.006	0.007	0.005	0.241	0.233
				Top Edge 10mm	0.163	0.000	0.163	0.084	0.063	0.237	0.237	0.014	0.247	0.414
				Bottom Edge 10mm	0.000	0.138	0.138	0.009	0.010	0.022	0.022	0.002	0.147	0.162
N41	Ant.4	LTE B26	Ant.0	Front Side 10mm	0.086	0.091	0.177	0.461	0.029	0.073	0.073	0.036	0.638	0.286
				Back Side 10mm	0.407	0.222	0.629	0.115	0.050	0.290	0.290	0.087	0.744	1.006
				Left Edge10mm	0.000	0.063	0.063	0.039	0.114	0.303	0.303	0.009	0.102	0.375
				Right Edge10mm	0.377	0.136	0.513	0.020	0.007	0.006	0.007	0.005	0.533	0.525
				Top Edge 10mm	0.031	0.000	0.031	0.084	0.063	0.237	0.237	0.014	0.115	0.282
				Bottom Edge 10mm	0.000	0.138	0.138	0.009	0.010	0.022	0.022	0.002	0.147	0.162
N41	Ant.4	LTE B26	Ant.1	Front Side 10mm	0.086	0.109	0.195	0.461	0.029	0.073	0.073	0.036	0.656	0.304
				Back Side 10mm	0.407	0.136	0.543	0.115	0.050	0.290	0.290	0.087	0.658	0.920
				Left Edge10mm	0.000	0.000	0.000	0.039	0.114	0.303	0.303	0.009	0.039	0.312
				Right Edge10mm	0.377	0.066	0.443	0.020	0.007	0.006	0.007	0.005	0.463	0.455
				Top Edge 10mm	0.031	0.152	0.183	0.084	0.063	0.237	0.237	0.014	0.267	0.434
				Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.010	0.022	0.022	0.002	0.009	0.024
N41	Ant.0	LTE B66	Ant.1	Front Side 10mm	0.217	0.161	0.378	0.461	0.029	0.073	0.073	0.036	0.839	0.487
				Back Side 10mm	0.237	0.170	0.407	0.115	0.050	0.290	0.290	0.087	0.522	0.784
				Left Edge10mm	0.012	0.000	0.012	0.039	0.114	0.303	0.303	0.009	0.051	0.324
				Right Edge10mm	0.008	0.034	0.042	0.020	0.007	0.006	0.007	0.005	0.062	0.054
				Top Edge 10mm	0.000	0.271	0.271	0.084	0.063	0.237	0.237	0.014	0.355	0.522
				Bottom Edge 10mm	0.278	0.000	0.278	0.009	0.010	0.022	0.022	0.002	0.287	0.302
N41	Ant.0	LTE B66	Ant.4	Front Side 10mm	0.217	0.019	0.236	0.461	0.029	0.073	0.073	0.036	0.697	0.345
				Back Side 10mm	0.237	0.057	0.294	0.115	0.050	0.290	0.290	0.087	0.409	0.671

				Left Edge10mm	0.012	0.000	0.012	0.039	0.114	0.303	0.303	0.009	0.051	0.324
				Right Edge10mm	0.008	0.038	0.046	0.020	0.007	0.006	0.007	0.005	0.066	0.058
				Top Edge 10mm	0.000	0.012	0.012	0.084	0.063	0.237	0.237	0.014	0.096	0.263
				Bottom Edge 10mm	0.278	0.000	0.278	0.009	0.010	0.022	0.022	0.002	0.287	0.302
N41	Ant.1	LTE B66	Ant.0	Front Side 10mm	0.068	0.093	0.161	0.461	0.029	0.073	0.073	0.036	0.622	0.270
				Back Side 10mm	0.157	0.157	0.314	0.115	0.050	0.290	0.290	0.087	0.429	0.691
				Left Edge10mm	0.000	0.045	0.045	0.039	0.114	0.303	0.303	0.009	0.084	0.357
				Right Edge10mm	0.085	0.027	0.112	0.020	0.007	0.006	0.007	0.005	0.132	0.124
				Top Edge 10mm	0.163	0.000	0.163	0.084	0.063	0.237	0.237	0.014	0.247	0.414
				Bottom Edge 10mm	0.000	0.250	0.250	0.009	0.010	0.022	0.022	0.002	0.259	0.274
N41	Ant.1	LTE B66	Ant.4	Front Side 10mm	0.068	0.019	0.087	0.461	0.029	0.073	0.073	0.036	0.548	0.196
				Back Side 10mm	0.157	0.057	0.214	0.115	0.050	0.290	0.290	0.087	0.329	0.591
				Left Edge10mm	0.000	0.000	0.000	0.039	0.114	0.303	0.303	0.009	0.039	0.312
				Right Edge10mm	0.085	0.038	0.123	0.020	0.007	0.006	0.007	0.005	0.143	0.135
				Top Edge 10mm	0.163	0.012	0.175	0.084	0.063	0.237	0.237	0.014	0.259	0.426
				Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.010	0.022	0.022	0.002	0.009	0.024
N41	Ant.4	LTE B66	Ant.0	Front Side 10mm	0.086	0.093	0.179	0.461	0.029	0.073	0.073	0.036	0.640	0.288
				Back Side 10mm	0.407	0.157	0.564	0.115	0.050	0.290	0.290	0.087	0.679	0.941
				Left Edge10mm	0.000	0.045	0.045	0.039	0.114	0.303	0.303	0.009	0.084	0.357
				Right Edge10mm	0.377	0.027	0.404	0.020	0.007	0.006	0.007	0.005	0.424	0.416
				Top Edge 10mm	0.031	0.000	0.031	0.084	0.063	0.237	0.237	0.014	0.115	0.282
				Bottom Edge 10mm	0.000	0.250	0.250	0.009	0.010	0.022	0.022	0.002	0.259	0.274
N41	Ant.4	LTE B66	Ant.1	Front Side 10mm	0.086	0.161	0.247	0.461	0.029	0.073	0.073	0.036	0.708	0.356
				Back Side 10mm	0.407	0.170	0.577	0.115	0.050	0.290	0.290	0.087	0.692	0.954
				Left Edge10mm	0.000	0.000	0.000	0.039	0.114	0.303	0.303	0.009	0.039	0.312
				Right Edge10mm	0.377	0.034	0.411	0.020	0.007	0.006	0.007	0.005	0.431	0.423
				Top Edge 10mm	0.031	0.271	0.302	0.084	0.063	0.237	0.237	0.014	0.386	0.553
				Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.010	0.022	0.022	0.002	0.009	0.024
N66	Ant.0	LTE B2	Ant.1	Front Side 10mm	0.108	0.280	0.388	0.461	0.029	0.073	0.073	0.036	0.849	0.497
				Back Side 10mm	0.234	0.302	0.536	0.115	0.050	0.290	0.290	0.087	0.651	0.913
				Left Edge10mm	0.076	0.000	0.076	0.039	0.114	0.303	0.303	0.009	0.115	0.388
				Right Edge10mm	0.013	0.063	0.076	0.020	0.007	0.006	0.007	0.005	0.096	0.088
				Top Edge 10mm	0.000	0.554	0.554	0.084	0.063	0.237	0.237	0.014	0.638	0.805
				Bottom Edge 10mm	0.316	0.000	0.316	0.009	0.010	0.022	0.022	0.002	0.325	0.340
N66	Ant.1	LTE B2	Ant.0	Front Side 10mm	0.119	0.275	0.394	0.461	0.029	0.073	0.073	0.036	0.855	0.503
				Back Side 10mm	0.127	0.505	0.632	0.115	0.050	0.290	0.290	0.087	0.747	1.009
				Left Edge10mm	0.000	0.195	0.195	0.039	0.114	0.303	0.303	0.009	0.234	0.507
				Right Edge10mm	0.026	0.089	0.115	0.020	0.007	0.006	0.007	0.005	0.135	0.127
				Top Edge 10mm	0.234	0.000	0.234	0.084	0.063	0.237	0.237	0.014	0.318	0.485
				Bottom Edge 10mm	0.000	0.706	0.706	0.009	0.010	0.022	0.022	0.002	0.715	0.730
N66	Ant.4	LTE B2	Ant.0	Front Side 10mm	0.034	0.275	0.309	0.461	0.029	0.073	0.073	0.036	0.770	0.418
				Back Side 10mm	0.073	0.505	0.578	0.115	0.050	0.290	0.290	0.087	0.693	0.955
				Left Edge10mm	0.000	0.195	0.195	0.039	0.114	0.303	0.303	0.009	0.234	0.507

				Right Edge10mm	0.054	0.089	0.143	0.020	0.007	0.006	0.007	0.005	0.163	0.155
				Top Edge 10mm	0.020	0.000	0.020	0.084	0.063	0.237	0.237	0.014	0.104	0.271
				Bottom Edge 10mm	0.000	0.706	0.706	0.009	0.010	0.022	0.022	0.002	0.715	0.730
N66	Ant.4	LTE B2	Ant.1	Front Side 10mm	0.034	0.280	0.314	0.461	0.029	0.073	0.073	0.036	0.775	0.423
				Back Side 10mm	0.073	0.302	0.375	0.115	0.050	0.290	0.290	0.087	0.490	0.752
				Left Edge10mm	0.000	0.000	0.000	0.039	0.114	0.303	0.303	0.009	0.039	0.312
				Right Edge10mm	0.054	0.063	0.117	0.020	0.007	0.006	0.007	0.005	0.137	0.129
				Top Edge 10mm	0.020	0.554	0.574	0.084	0.063	0.237	0.237	0.014	0.658	0.825
				Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.010	0.022	0.022	0.002	0.009	0.024
N66	Ant.0	LTE B5	Ant.1	Front Side 10mm	0.108	0.192	0.300	0.461	0.029	0.073	0.073	0.036	0.761	0.409
				Back Side 10mm	0.234	0.245	0.479	0.115	0.050	0.290	0.290	0.087	0.594	0.856
				Left Edge10mm	0.076	0.000	0.076	0.039	0.114	0.303	0.303	0.009	0.115	0.388
				Right Edge10mm	0.013	0.098	0.111	0.020	0.007	0.006	0.007	0.005	0.131	0.123
				Top Edge 10mm	0.000	0.215	0.215	0.084	0.063	0.237	0.237	0.014	0.299	0.466
				Bottom Edge 10mm	0.316	0.000	0.316	0.009	0.010	0.022	0.022	0.002	0.325	0.340
N66	Ant.1	LTE B5	Ant.0	Front Side 10mm	0.119	0.139	0.258	0.461	0.029	0.073	0.073	0.036	0.719	0.367
				Back Side 10mm	0.127	0.293	0.420	0.115	0.050	0.290	0.290	0.087	0.535	0.797
				Left Edge10mm	0.000	0.085	0.085	0.039	0.114	0.303	0.303	0.009	0.124	0.397
				Right Edge10mm	0.026	0.185	0.211	0.020	0.007	0.006	0.007	0.005	0.231	0.223
				Top Edge 10mm	0.234	0.000	0.234	0.084	0.063	0.237	0.237	0.014	0.318	0.485
				Bottom Edge 10mm	0.000	0.203	0.203	0.009	0.010	0.022	0.022	0.002	0.212	0.227
N66	Ant.4	LTE B5	Ant.0	Front Side 10mm	0.034	0.139	0.173	0.461	0.029	0.073	0.073	0.036	0.634	0.282
				Back Side 10mm	0.073	0.293	0.366	0.115	0.050	0.290	0.290	0.087	0.481	0.743
				Left Edge10mm	0.000	0.085	0.085	0.039	0.114	0.303	0.303	0.009	0.124	0.397
				Right Edge10mm	0.054	0.185	0.239	0.020	0.007	0.006	0.007	0.005	0.259	0.251
				Top Edge 10mm	0.020	0.000	0.020	0.084	0.063	0.237	0.237	0.014	0.104	0.271
				Bottom Edge 10mm	0.000	0.203	0.203	0.009	0.010	0.022	0.022	0.002	0.212	0.227
N66	Ant.4	LTE B5	Ant.1	Front Side 10mm	0.034	0.192	0.226	0.461	0.029	0.073	0.073	0.036	0.687	0.335
				Back Side 10mm	0.073	0.245	0.318	0.115	0.050	0.290	0.290	0.087	0.433	0.695
				Left Edge10mm	0.000	0.000	0.000	0.039	0.114	0.303	0.303	0.009	0.039	0.312
				Right Edge10mm	0.054	0.098	0.152	0.020	0.007	0.006	0.007	0.005	0.172	0.164
				Top Edge 10mm	0.020	0.215	0.235	0.084	0.063	0.237	0.237	0.014	0.319	0.486
				Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.010	0.022	0.022	0.002	0.009	0.024
N66	Ant.0	LTE B7	Ant.1	Front Side 10mm	0.108	0.108	0.216	0.461	0.029	0.073	0.073	0.036	0.677	0.325
				Back Side 10mm	0.234	0.173	0.407	0.115	0.050	0.290	0.290	0.087	0.522	0.784
				Left Edge10mm	0.076	0.000	0.076	0.039	0.114	0.303	0.303	0.009	0.115	0.388
				Right Edge10mm	0.013	0.094	0.107	0.020	0.007	0.006	0.007	0.005	0.127	0.119
				Top Edge 10mm	0.000	0.313	0.313	0.084	0.063	0.237	0.237	0.014	0.397	0.564
				Bottom Edge 10mm	0.316	0.000	0.316	0.009	0.010	0.022	0.022	0.002	0.325	0.340
N66	Ant.0	LTE B7	Ant.4	Front Side 10mm	0.108	0.017	0.125	0.461	0.029	0.073	0.073	0.036	0.586	0.234
				Back Side 10mm	0.234	0.159	0.393	0.115	0.050	0.290	0.290	0.087	0.508	0.770
				Left Edge10mm	0.076	0.000	0.076	0.039	0.114	0.303	0.303	0.009	0.115	0.388
				Right Edge10mm	0.013	0.145	0.158	0.020	0.007	0.006	0.007	0.005	0.178	0.170

				Top Edge 10mm	0.000	0.009	0.009	0.084	0.063	0.237	0.237	0.014	0.093	0.260
				Bottom Edge 10mm	0.316	0.000	0.316	0.009	0.010	0.022	0.022	0.002	0.325	0.340
N66	Ant.1	LTE B7	Ant.0	Front Side 10mm	0.119	0.138	0.257	0.461	0.029	0.073	0.073	0.036	0.718	0.366
				Back Side 10mm	0.127	0.171	0.298	0.115	0.050	0.290	0.290	0.087	0.413	0.675
				Left Edge10mm	0.000	0.111	0.111	0.039	0.114	0.303	0.303	0.009	0.150	0.423
				Right Edge10mm	0.026	0.014	0.040	0.020	0.007	0.006	0.007	0.005	0.060	0.052
				Top Edge 10mm	0.234	0.000	0.234	0.084	0.063	0.237	0.237	0.014	0.318	0.485
				Bottom Edge 10mm	0.000	0.118	0.118	0.009	0.010	0.022	0.022	0.002	0.127	0.142
N66	Ant.1	LTE B7	Ant.4	Front Side 10mm	0.119	0.017	0.136	0.461	0.029	0.073	0.073	0.036	0.597	0.245
				Back Side 10mm	0.127	0.159	0.286	0.115	0.050	0.290	0.290	0.087	0.401	0.663
				Left Edge10mm	0.000	0.000	0.000	0.039	0.114	0.303	0.303	0.009	0.039	0.312
				Right Edge10mm	0.026	0.145	0.171	0.020	0.007	0.006	0.007	0.005	0.191	0.183
				Top Edge 10mm	0.234	0.009	0.243	0.084	0.063	0.237	0.237	0.014	0.327	0.494
				Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.010	0.022	0.022	0.002	0.009	0.024
N66	Ant.4	LTE B7	Ant.0	Front Side 10mm	0.034	0.138	0.172	0.461	0.029	0.073	0.073	0.036	0.633	0.281
				Back Side 10mm	0.073	0.171	0.244	0.115	0.050	0.290	0.290	0.087	0.359	0.621
				Left Edge10mm	0.000	0.111	0.111	0.039	0.114	0.303	0.303	0.009	0.150	0.423
				Right Edge10mm	0.054	0.014	0.068	0.020	0.007	0.006	0.007	0.005	0.088	0.080
				Top Edge 10mm	0.020	0.000	0.020	0.084	0.063	0.237	0.237	0.014	0.104	0.271
				Bottom Edge 10mm	0.000	0.118	0.118	0.009	0.010	0.022	0.022	0.002	0.127	0.142
N66	Ant.4	LTE B7	Ant.1	Front Side 10mm	0.034	0.108	0.142	0.461	0.029	0.073	0.073	0.036	0.603	0.251
				Back Side 10mm	0.073	0.173	0.246	0.115	0.050	0.290	0.290	0.087	0.361	0.623
				Left Edge10mm	0.000	0.000	0.000	0.039	0.114	0.303	0.303	0.009	0.039	0.312
				Right Edge10mm	0.054	0.094	0.148	0.020	0.007	0.006	0.007	0.005	0.168	0.160
				Top Edge 10mm	0.020	0.313	0.333	0.084	0.063	0.237	0.237	0.014	0.417	0.584
				Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.010	0.022	0.022	0.002	0.009	0.024
N66	Ant.0	LTE B12	Ant.1	Front Side 10mm	0.108	0.073	0.181	0.461	0.029	0.073	0.073	0.036	0.642	0.290
				Back Side 10mm	0.234	0.084	0.318	0.115	0.050	0.290	0.290	0.087	0.433	0.695
				Left Edge10mm	0.076	0.000	0.076	0.039	0.114	0.303	0.303	0.009	0.115	0.388
				Right Edge10mm	0.013	0.092	0.105	0.020	0.007	0.006	0.007	0.005	0.125	0.117
				Top Edge 10mm	0.000	0.072	0.072	0.084	0.063	0.237	0.237	0.014	0.156	0.323
				Bottom Edge 10mm	0.316	0.000	0.316	0.009	0.010	0.022	0.022	0.002	0.325	0.340
N66	Ant.1	LTE B12	Ant.0	Front Side 10mm	0.119	0.077	0.196	0.461	0.029	0.073	0.073	0.036	0.657	0.305
				Back Side 10mm	0.127	0.138	0.265	0.115	0.050	0.290	0.290	0.087	0.380	0.642
				Left Edge10mm	0.000	0.074	0.074	0.039	0.114	0.303	0.303	0.009	0.113	0.386
				Right Edge10mm	0.026	0.131	0.157	0.020	0.007	0.006	0.007	0.005	0.177	0.169
				Top Edge 10mm	0.234	0.000	0.234	0.084	0.063	0.237	0.237	0.014	0.318	0.485
				Bottom Edge 10mm	0.000	0.074	0.074	0.009	0.010	0.022	0.022	0.002	0.083	0.098
N66	Ant.4	LTE B12	Ant.0	Front Side 10mm	0.034	0.077	0.111	0.461	0.029	0.073	0.073	0.036	0.572	0.220
				Back Side 10mm	0.073	0.138	0.211	0.115	0.050	0.290	0.290	0.087	0.326	0.588
				Left Edge10mm	0.000	0.074	0.074	0.039	0.114	0.303	0.303	0.009	0.113	0.386
				Right Edge10mm	0.054	0.131	0.185	0.020	0.007	0.006	0.007	0.005	0.205	0.197
				Top Edge 10mm	0.020	0.000	0.020	0.084	0.063	0.237	0.237	0.014	0.104	0.271

				Bottom Edge 10mm	0.000	0.074	0.074	0.009	0.010	0.022	0.022	0.002	0.083	0.098
N66	Ant.4	LTE B12	Ant.1	Front Side 10mm	0.034	0.073	0.107	0.461	0.029	0.073	0.073	0.036	0.568	0.216
				Back Side 10mm	0.073	0.084	0.157	0.115	0.050	0.290	0.290	0.087	0.272	0.534
				Left Edge10mm	0.000	0.000	0.000	0.039	0.114	0.303	0.303	0.009	0.039	0.312
				Right Edge10mm	0.054	0.092	0.146	0.020	0.007	0.006	0.007	0.005	0.166	0.158
				Top Edge 10mm	0.020	0.072	0.092	0.084	0.063	0.237	0.237	0.014	0.176	0.343
				Bottom Edge 10mm	0.000	0.000	0.000	0.009	0.010	0.022	0.022	0.002	0.009	0.024
Note:														
1: The simultaneous transmission combinations of more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations was shown in this table.														
2: The highest Summed 1g SAR is 1.151 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.														

13.2.10 Head Simultaneous Transmission SAR Evaluation for Only WLAN and Bluetooth

Position	Stand alone SAR					SUM SAR
	1				2	
	5.3GWIFI	5.6GWIFI	5.8GWIFI	Max. 5GWIFI	BT	WIFI5G+BT
						1+2
Left Cheek	0.359	0.553	0.718	0.718	0.341	1.059
Left Tilt	0.207	0.451	0.589	0.589	0.231	0.820
Right Cheek	0.158	0.132	0.226	0.226	0.151	0.377
Right Tilt	0.075	0.167	0.256	0.256	0.178	0.434

Note:

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

2: The highest Summed 1g SAR is 1.059 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.11 Body Worn Simultaneous Transmission SAR Evaluation for Only WLAN and Bluetooth

Position	Stand alone SAR					SUM SAR
	1				2	
	5.3GWIFI	5.6GWIFI	5.8GWIFI	MAX.5GWIFI	BT	WIFI5G+BT
						1+2
Front Side 15mm	0.088	0.061	0.191	0.191	0.017	0.208
Back Side 15mm	0.132	0.222	0.660	0.660	0.041	0.701

Note:

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

2: The highest Summed 1g SAR is 0.701 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.12 Hotspot Simultaneous Transmission SAR Evaluation for Only WLAN and Bluetooth

Position	Stand alone SAR				SUM SAR
	1			2	
	5.2GWIFI	5.8GWIFI	MAX.5GWIFI	BT	WIFI5G+BT
					1+2
Front Side 10mm	0.090	0.275	0.275	0.036	0.311
Back Side 10mm	0.179	1.117	1.117	0.088	1.205
Left Edge10mm	0.454	1.152	1.152	0.009	1.161
Right Edge 10mm	0.039	0.032	0.039	0.005	0.044
Top Edge 10mm	0.211	0.808	0.808	0.014	0.822
Bottom Edge 10mm	0.046	0.060	0.060	0.002	0.062

Note:

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

2: The highest Summed 1g SAR is 1.205 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: 7510	2023/01/19	2024/01/18
E-Field Probe	Speag	EX3DV4	SN: 7607	2023/07/04	2024/07/03
Data Acquisition Electronicsr	Speag	DAE4	SN: 878	2023/03/23	2024/03/22
Signal Generator	R&S	SMB100A	177746	2023/05/10	2024/05/09
Power Meter	R&S	NRVD-B2	835843/014	2022/09/06	2023/09/05
Power Sensor	R&S	NRV-Z4	100381	2022/09/06	2023/09/05
Power Sensor	R&S	NRV-Z2	100211	2022/09/06	2023/09/05
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2022/12/28	2023/12/27
Network Analyzer	Agilent	E5071C	MY46103472	2022/12/06	2023/12/05
Thermometer	Elitech	RC-4HC	EF720B004811	2022/11/25	2023/11/24
Thermometer	Elitech	RC-4HC	EF720B004817	2022/11/18	2023/11/17
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 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 a DAK3.5 Dielectric Probe Kit.

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2023.06.16	Head	750	21.1	0.91	41.61	0.89	41.94	1.69	-0.79
2023.06.17	Head	750	21.3	0.88	41.23	0.89	41.94	-0.90	-1.69
2023.06.18	Head	750	21.4	0.89	40.90	0.89	41.94	0.22	-2.48
2023.06.19	Head	835	21.5	0.90	41.91	0.90	41.50	0.44	0.98
2023.06.20	Head	835	21.3	0.92	42.66	0.90	41.50	2.33	2.79
2023.06.21	Head	835	21.6	0.89	41.89	0.90	41.50	-1.67	0.93
2023.06.22	Head	835	21.4	0.93	40.96	0.90	41.50	3.56%	-1.31%
2023.06.23	Head	835	21.7	0.90	41.34	0.90	41.50	0.22	-0.38
2023.06.24	Head	835	21.7	0.91	40.32	0.90	41.50	1.22	-2.84
2023.06.25	Head	1750	21.6	1.38	40.19	1.37	40.08	0.66	0.26
2023.06.26	Head	1750	21.6	1.40	38.88	1.37	40.08	2.04	-3.01
2023.06.27	Head	1750	21.3	1.37	39.44	1.37	40.08	-0.29	-1.59
2023.06.28	Head	1750	21.2	1.40	41.39	1.37	40.08	2.34	3.26
2023.06.29	Head	1900	21.1	1.40	39.84	1.40	40.00	-0.07	-0.41
2023.06.30	Head	1900	21.4	1.42	40.99	1.40	40.00	1.64	2.46
2023.07.01	Head	1900	21.1	1.41	38.83	1.40	40.00	0.57	-2.91
2023.07.02	Head	2600	21.2	1.97	38.56	1.96	39.01	0.66	-1.15
2023.06.25	Head	1750	21.4	1.38	40.15	1.37	40.08	1.02	0.18
2023.06.26	Head	1750	21.5	1.39	40.01	1.37	40.08	1.17	-0.17
2023.06.27	Head	1750	21.4	1.38	40.10	1.37	40.08	1.02	0.06
2023.06.28	Head	2450	21.8	1.80	39.63	1.80	39.20	0.22	1.09
2023.06.29	Head	2600	21.6	2.01	39.07	1.96	39.01	2.45	0.15
2023.06.30	Head	2600	21.6	2.02	39.05	1.96	39.01	2.86	0.09
2023.06.16	Head	2600	21.8	2.00	38.36	1.96	39.01	1.79	-1.67
2023.06.17	Head	2600	20.9	2.02	38.19	1.96	39.01	2.86	-2.11
2023.06.18	Head	2600	21.2	2.00	38.54	1.96	39.01	1.89	-1.21
2023.06.19	Head	2600	21.3	2.02	39.03	1.96	39.01	2.81	0.05
2023.06.20	Head	2600	21.5	1.99	39.18	1.96	39.01	1.68	0.44
2023.06.21	Head	2600	21.6	2.05	39.24	1.96	39.01	4.34	0.59
2023.06.22	Head	2600	21.7	2.00	39.17	1.96	39.01	2.09	0.41
2023.06.23	Head	2600	21.4	2.02	39.32	1.96	39.01	2.81	0.79
2023.06.24	Head	2600	21.6	2.02	39.45	1.96	39.01	2.86	1.13
2023.07.04	Head	2600	21.1	1.97	38.66	1.96	39.01	0.71	-0.90
2023.07.05	Head	2600	21.4	1.91	38.13	1.96	39.01	-2.76	-2.25

2023.07.06	Head	2600	21.5	2.02	39.32	1.96	39.01	3.01	0.80
2023.07.01	Head	5250	21.5	4.70	35.86	4.71	35.93	-0.15	-0.21
2023.07.02	Head	5600	21.3	5.06	35.21	5.07	35.53	-0.24	-0.89
2023.07.03	Head	5750	21.5	5.18	35.66	5.22	35.36	-0.84	0.86

Note: The tolerance limit of Conductivity and Permittivity is $\pm 5\%$.

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2023.06.16	Head	750	100	0.85	8.53	8.29	2.90
2023.06.17	Head	750	100	0.76	7.55	8.29	-8.93
2023.06.18	Head	750	100	0.81	8.07	8.29	-2.65
2023.06.19	Head	835	100	0.90	9.02	9.76	-7.58
2023.06.20	Head	835	100	0.92	9.18	9.76	-5.94
2023.06.21	Head	835	100	0.91	9.05	9.76	-7.27
2023.06.22	Head	835	100	0.95	9.51	9.76	-2.56
2023.06.23	Head	835	100	0.91	9.06	9.76	-7.17
2023.06.24	Head	835	100	0.95	9.45	9.76	-3.18
2023.06.25	Head	1750	100	3.77	37.70	36.7	2.72
2023.06.26	Head	1750	100	3.56	35.60	36.7	-3.00
2023.06.27	Head	1750	100	3.81	38.10	36.7	3.81
2023.06.28	Head	1750	100	3.72	37.20	36.7	1.36
2023.06.29	Head	1900	100	4.23	42.30	40.3	4.96
2023.06.30	Head	1900	100	4.15	41.50	40.3	2.98
2023.07.01	Head	1900	100	3.96	39.60	40.3	-1.74
2023.07.02	Head	2600	100	5.57	55.70	56.8	-1.94
2023.06.25	Head	1750	100	3.55	35.50	36.7	-3.27
2023.06.26	Head	1750	100	3.71	37.10	36.7	1.09
2023.06.27	Head	1750	100	3.89	38.90	36.7	5.99
2023.06.28	Head	2450	100	5.02	50.20	53	-5.28
2023.06.29	Head	2600	100	5.37	53.70	56.8	-5.46
2023.06.30	Head	2600	100	5.67	56.70	56.8	-0.18
2023.06.16	Head	2600	100	5.85	58.50	56.8	2.99
2023.06.17	Head	2600	100	6.05	60.50	56.8	6.51
2023.06.18	Head	2600	100	5.81	58.10	56.8	2.29
2023.06.19	Head	2600	100	5.41	54.10	56.8	-4.75
2023.06.20	Head	2600	100	5.53	55.30	56.8	-2.64
2023.06.21	Head	2600	100	5.72	57.20	56.8	0.70
2023.06.22	Head	2600	100	5.52	55.20	56.8	-2.82
2023.06.23	Head	2600	100	5.34	53.40	56.8	-5.99
2023.06.24	Head	2600	100	5.85	58.50	56.8	2.99
2023.07.04	Head	2600	100	5.81	58.10	56.8	2.29
2023.07.05	Head	2600	100	5.96	59.60	56.8	4.93
2023.07.06	Head	2600	100	5.51	55.10	56.8	-2.99

2023.07.01	Head	5250	100	7.76	77.60	77.8	-0.26
2023.07.02	Head	5600	100	8.36	83.60	81.2	2.96
2023.07.03	Head	5750	100	8.27	82.70	77.2	7.12
Note: The tolerance limit of System validation $\pm 10\%$.							

Head liquid 10g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2023.06.25	1750	100	1.98	19.80	19.10	3.66
2023.06.26	1750	100	1.86	18.60	19.10	-2.62
2023.06.27	1750	100	2.00	20.00	19.10	4.71
2023.06.28	1750	100	2.03	20.30	19.10	6.28
2023.06.29	1900	100	2.16	21.60	20.30	6.40
2023.06.30	1900	100	2.12	21.20	20.30	4.43
2023.07.01	1900	100	2.02	20.20	20.30	-0.49
2023.07.02	2600	100	2.43	24.30	24.80	-2.02
2023.06.25	1750	100	1.83	18.30	19.10	-4.19
2023.06.26	1750	100	1.96	19.60	19.10	2.62
2023.06.27	1750	100	2.06	20.60	19.10	7.85
2023.06.28	2450	100	2.31	23.10	24.10	-4.15
2023.06.29	2600	100	2.35	23.50	24.80	-5.24
2023.06.30	2600	100	2.52	25.20	24.80	1.61
2023.06.16	2600	100	2.59	25.90	24.80	4.44
2023.06.17	2600	100	2.66	26.60	24.80	7.26
2023.06.18	2600	100	2.62	26.20	24.80	5.65
2023.06.19	2600	100	2.43	24.30	24.80	-2.02
2023.06.20	2600	100	2.36	23.60	24.80	-4.84
2023.06.21	2600	100	2.47	24.70	24.80	-0.40
2023.06.22	2600	100	2.42	24.20	24.80	-2.42
2023.06.23	2600	100	2.38	23.80	24.80	-4.03
2023.06.24	2600	100	2.45	24.50	24.80	-1.21
2023.07.04	2600	100	2.56	25.60	24.80	3.23
2023.07.05	2600	100	2.62	26.20	24.80	5.65
2023.07.06	2600	100	2.41	24.10	24.80	-2.82
Note: The tolerance limit of System validation $\pm 10\%$.						

System Performance Check Data (750MHz Head)

Date: 2023.06.16

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

Medium parameters used (extrapolated): $f = 750 \text{ MHz}$; $\sigma = 0.905 \text{ S/m}$; $\epsilon_r = 41.607$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

CW750/Area Scan (61x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.917 W/kg

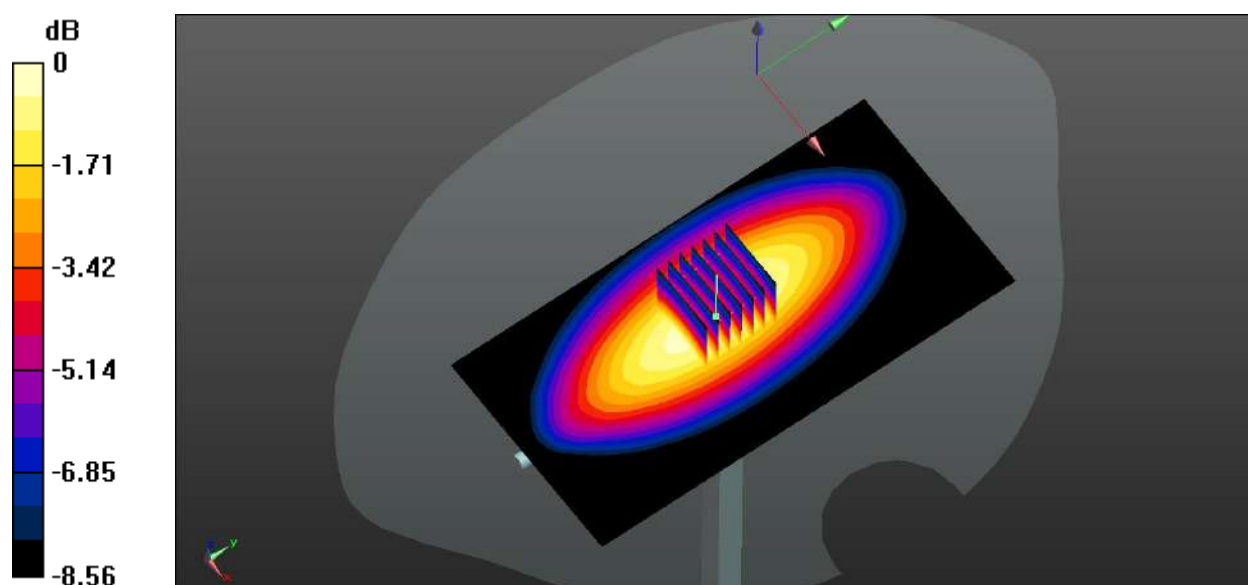
CW750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.05 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.24 W/kg

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

Maximum value of SAR (measured) = 0.923 W/kg



0 dB = 0.923 W/kg

System Performance Check Data (750MHz Head)

Date: 2023.06.17

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

Medium parameters used (extrapolated): $f = 750$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 41.232$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

CW750/Area Scan (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.819 W/kg

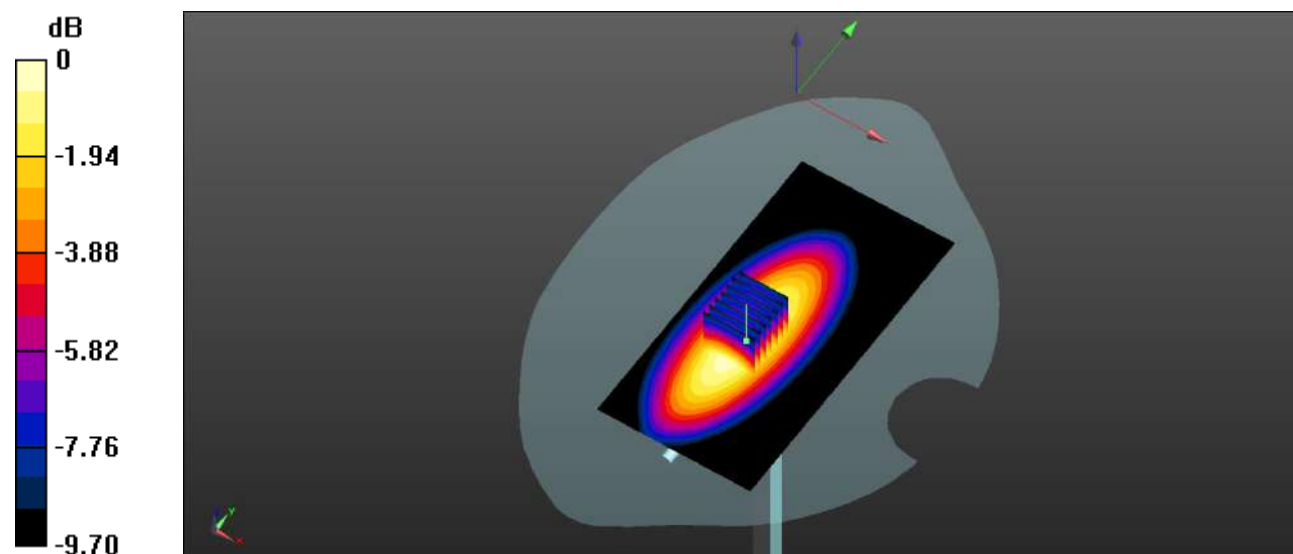
CW750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 28.05 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.755 W/kg; SAR(10 g) = 0.509 W/kg

Maximum value of SAR (measured) = 0.827 W/kg



0 dB = 0.827 W/kg

System Performance Check Data (750MHz Head)

Date: 2023.06.18

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

Medium parameters used (extrapolated): $f = 750$ MHz; $\sigma = 0.892$ S/m; $\epsilon_r = 40.898$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

CW750/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

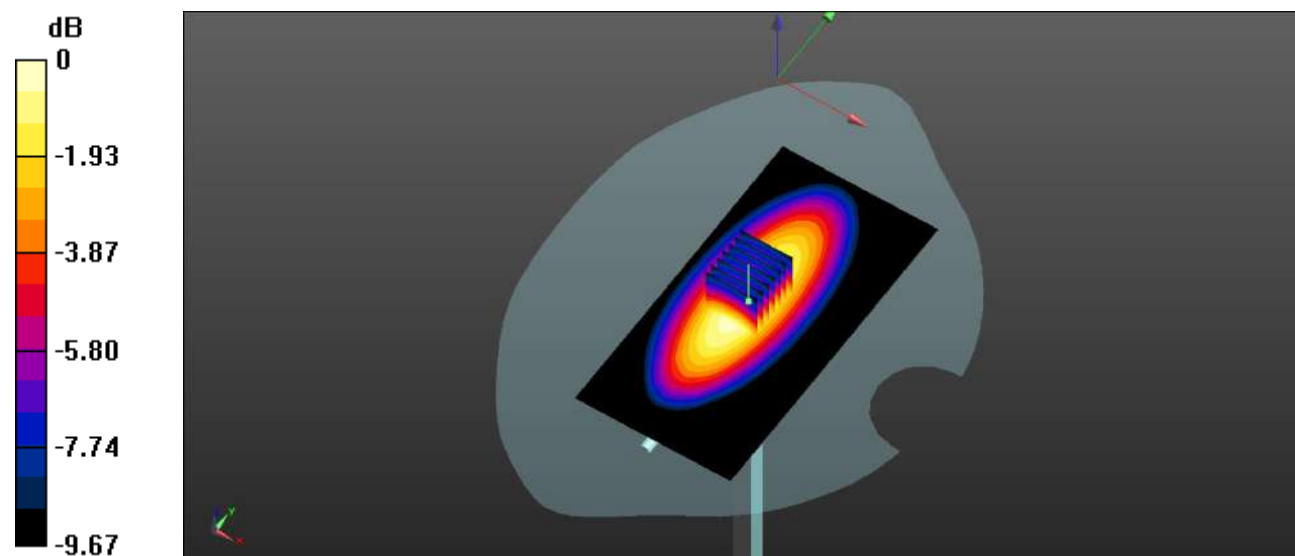
CW750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.97 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.807 W/kg; SAR(10 g) = 0.536 W/kg

Maximum value of SAR (measured) = 0.873 W/kg



0 dB = 0.873 W/kg

System Performance Check Data (835MHz Head)

Date: 2023.06.19

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 41.906$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

CW835/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.965 W/kg

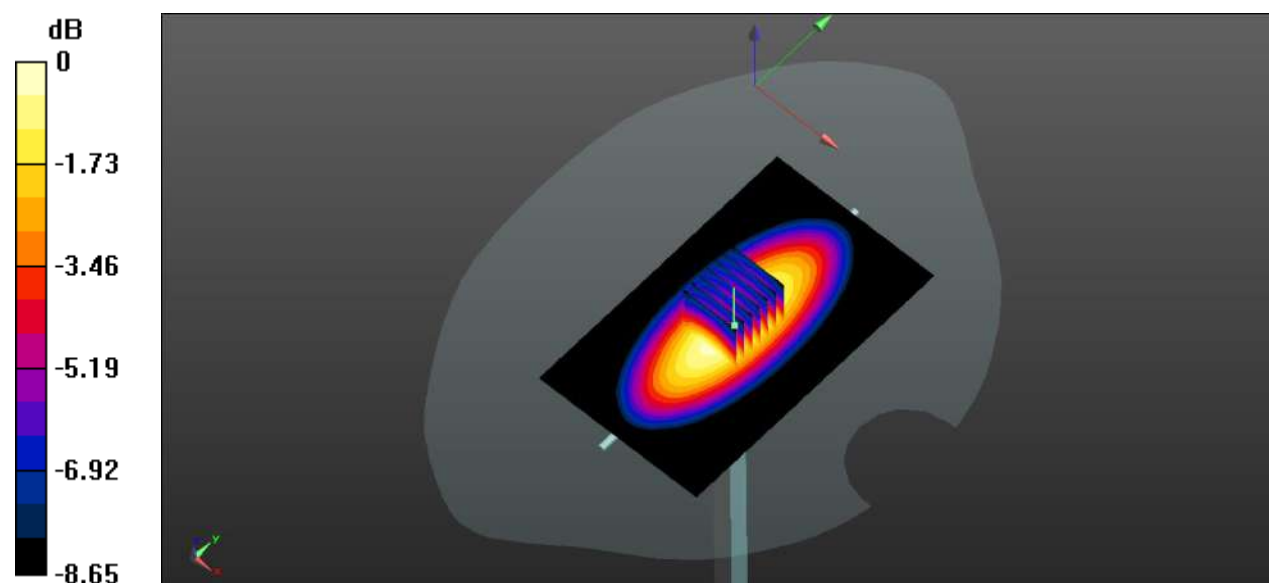
CW835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.6 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.902 W/kg; SAR(10 g) = 0.618 W/kg

Maximum value of SAR (measured) = 0.965 W/kg



0 dB = 0.965 W/kg

System Performance Check Data (835MHz Head)

Date: 2023.06.20

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.921$ S/m; $\epsilon_r = 42.656$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

CW835/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.982 W/kg

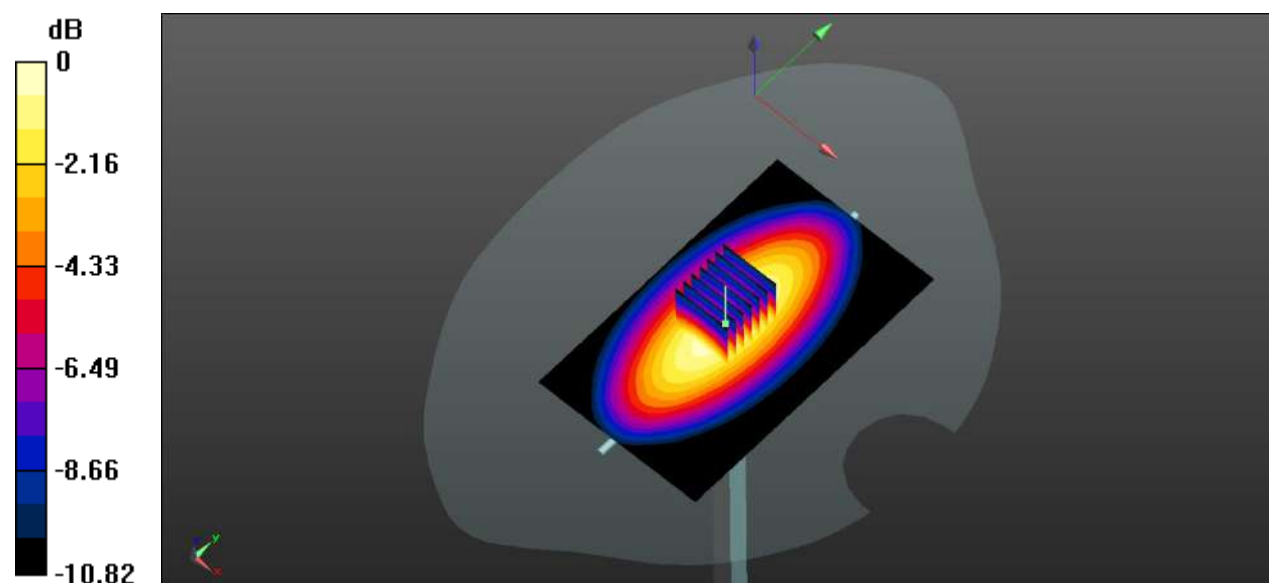
CW835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.99 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.918 W/kg; SAR(10 g) = 0.613 W/kg

Maximum value of SAR (measured) = 0.991 W/kg



0 dB = 0.991 W/kg

System Performance Check Data (835MHz Head)

Date: 2023.06.21

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.885$ S/m; $\epsilon_r = 41.885$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

CW835/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

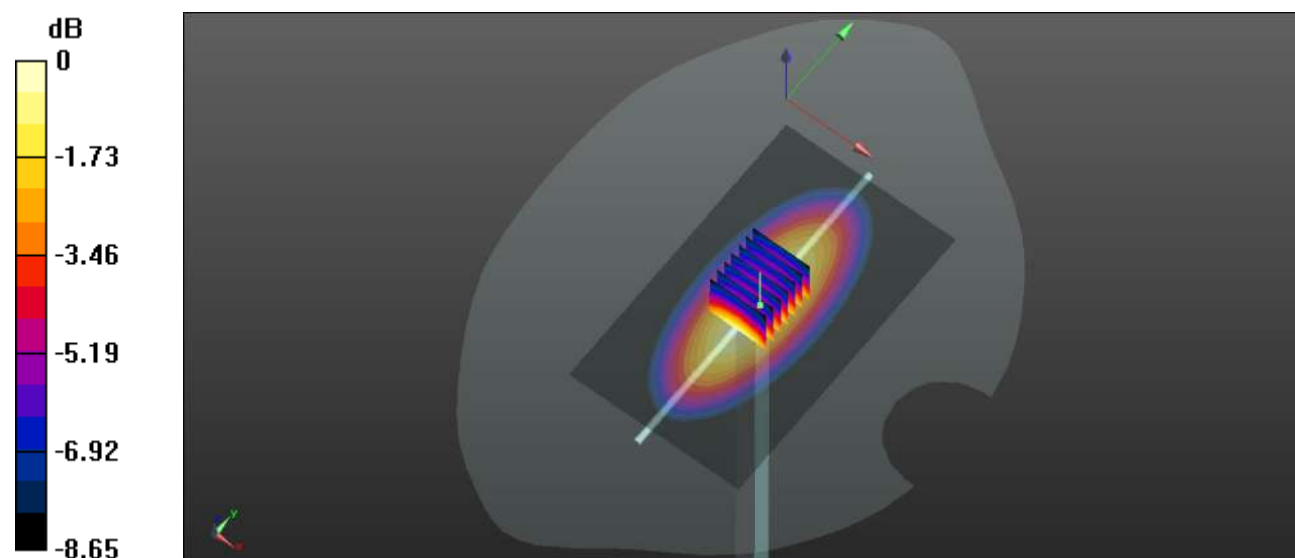
CW835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.62 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.905 W/kg; SAR(10 g) = 0.626 W/kg

Maximum value of SAR (measured) = 0.972 W/kg



0 dB = 0.972 W/kg

System Performance Check Data (835MHz Head)

Date: 2023.06.22

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 40.958$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

CW835/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

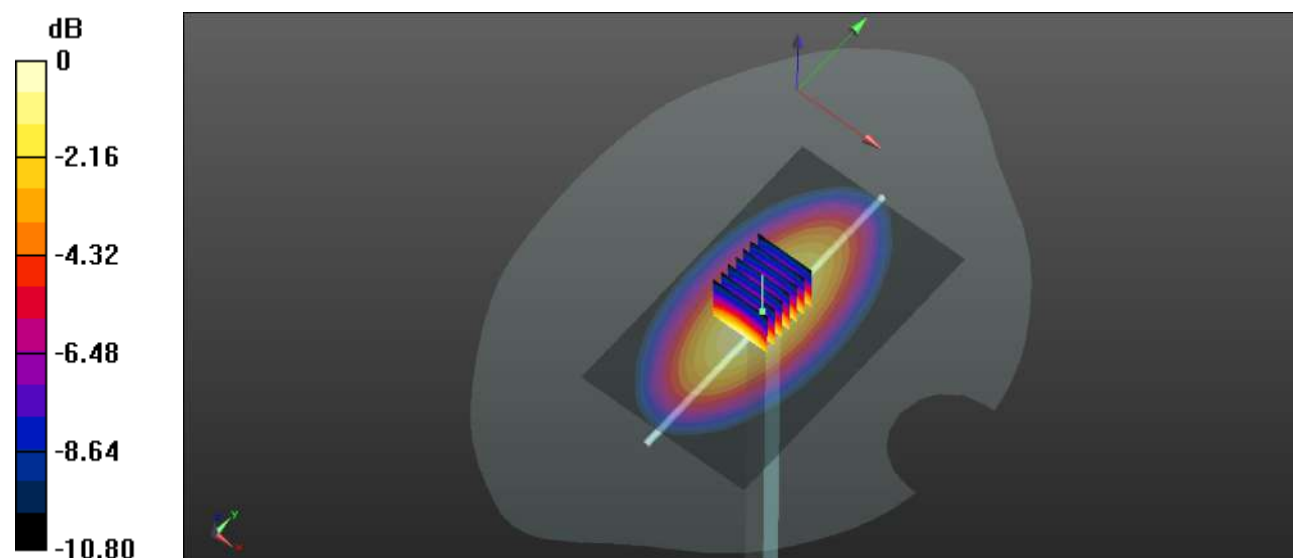
CW835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.951 W/kg; SAR(10 g) = 0.617 W/kg

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



0 dB = 1.02 W/kg

System Performance Check Data (835MHz Head)

Date: 2023.06.23

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 41.343$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

CW835/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

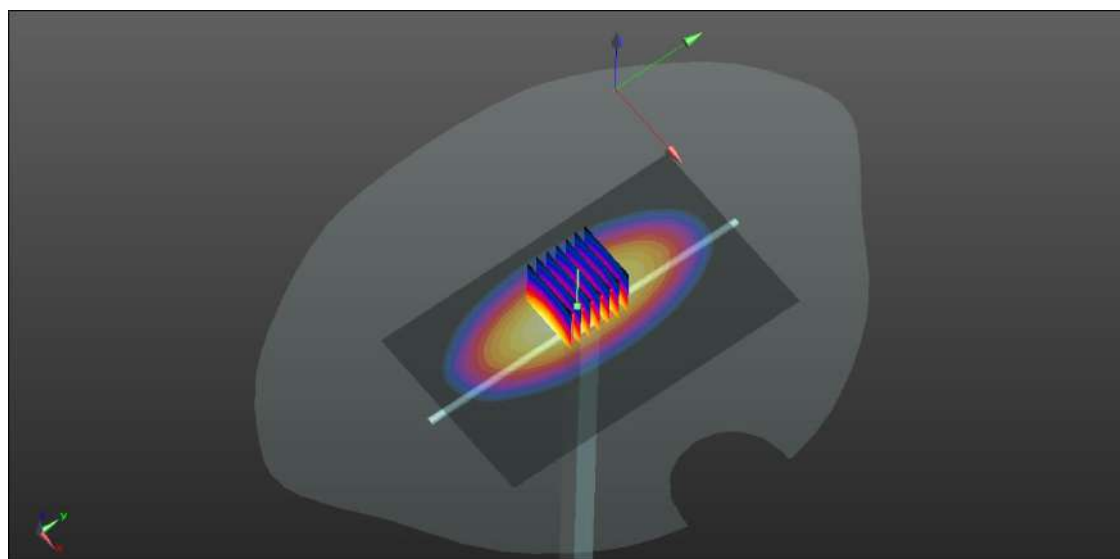
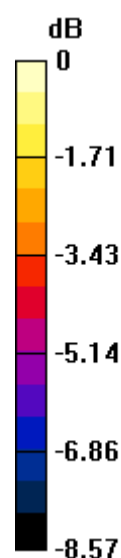
CW835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.50 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.906 W/kg; SAR(10 g) = 0.625 W/kg

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



0 dB = 0.973 W/kg

System Performance Check Data (835MHz Head)

Date: 2023.06.24

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 40.323$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

CW835/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

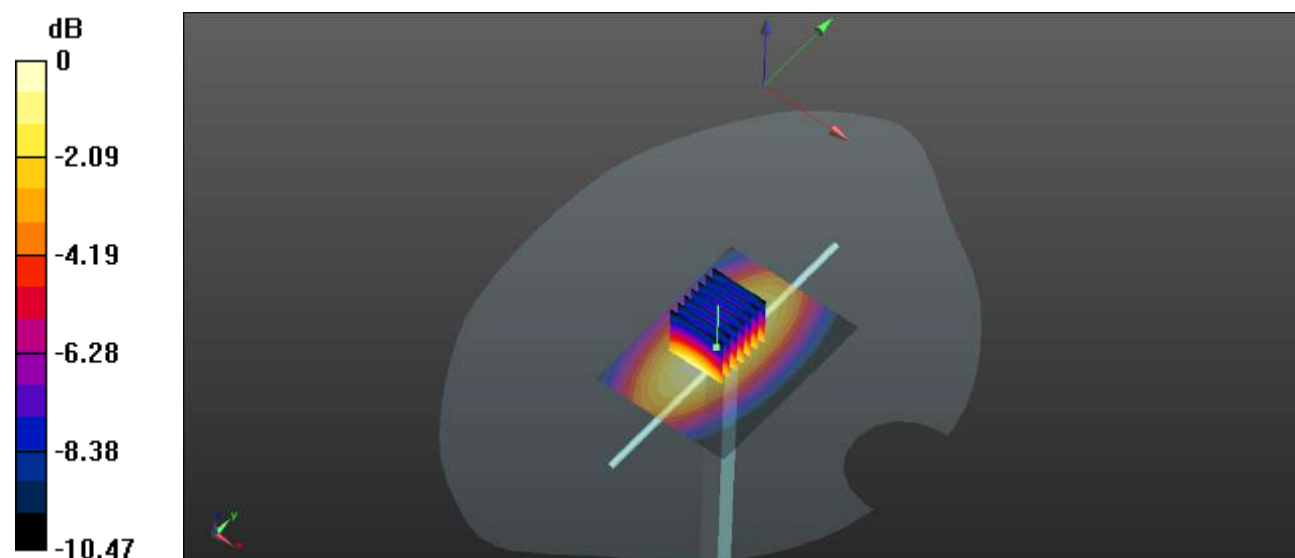
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.15 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.945 W/kg; SAR(10 g) = 0.618 W/kg

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



0 dB = 1.02 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.06.25

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.379$ S/m; $\epsilon_r = 40.186$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

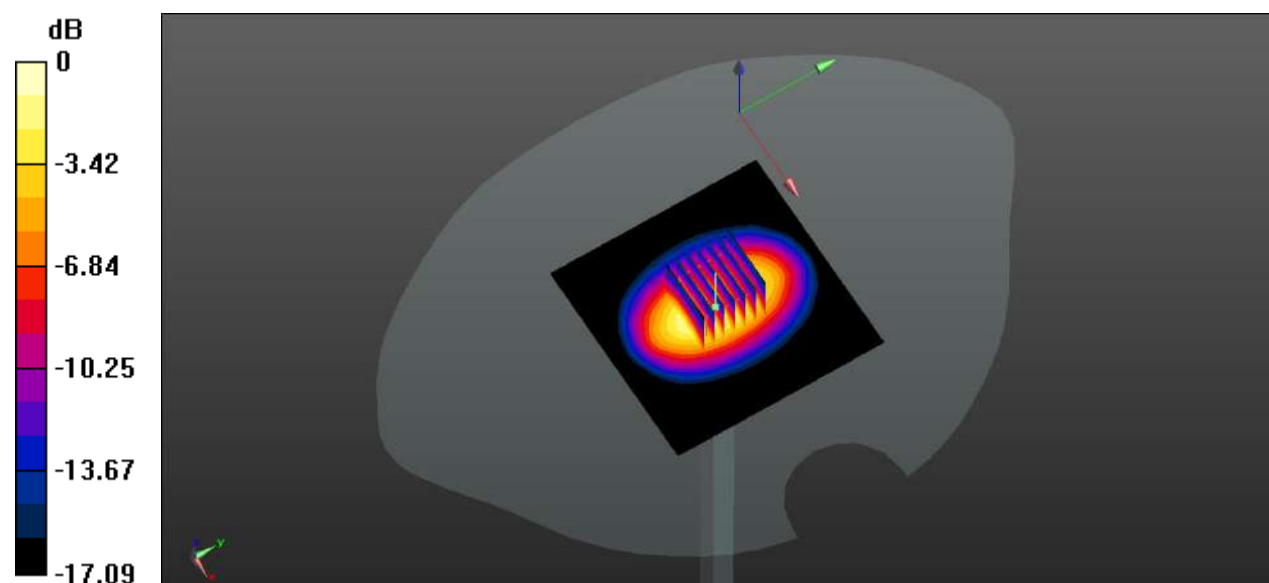
CW1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.14 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.01 W/kg

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

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



0 dB = 4.21 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.06.26

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 38.875$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

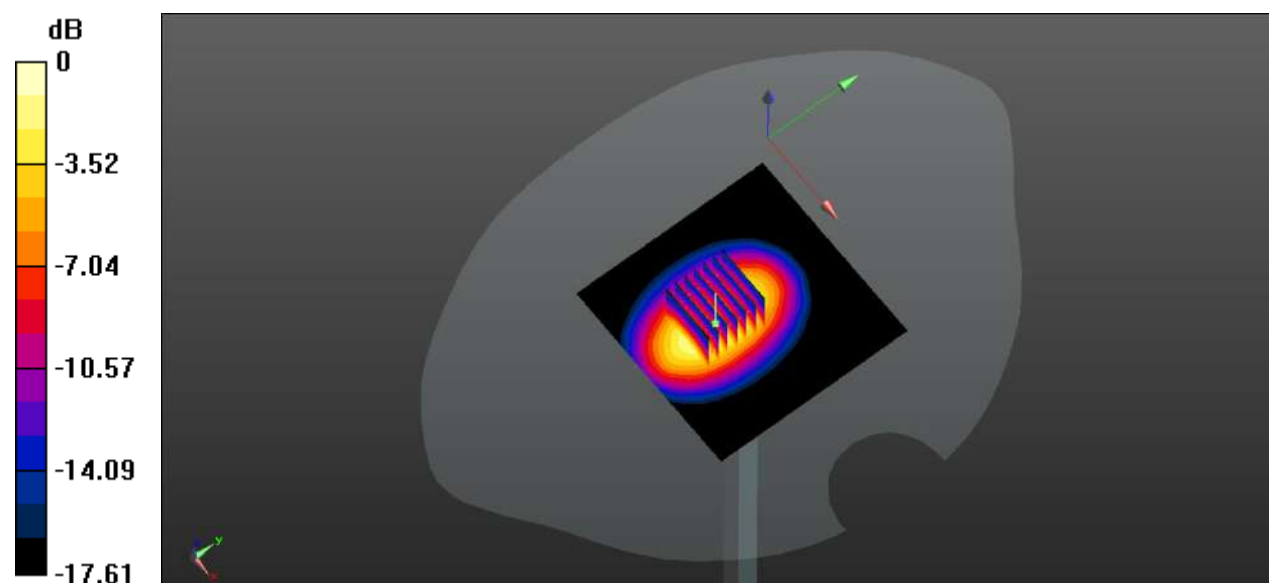
CW1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.41 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 6.73 W/kg

SAR(1 g) = 3.56 W/kg; SAR(10 g) = 1.86 W/kg

Maximum value of SAR (measured) = 3.98 W/kg



0 dB = 3.98 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.06.27

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

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.366$ S/m; $\epsilon_r = 39.441$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

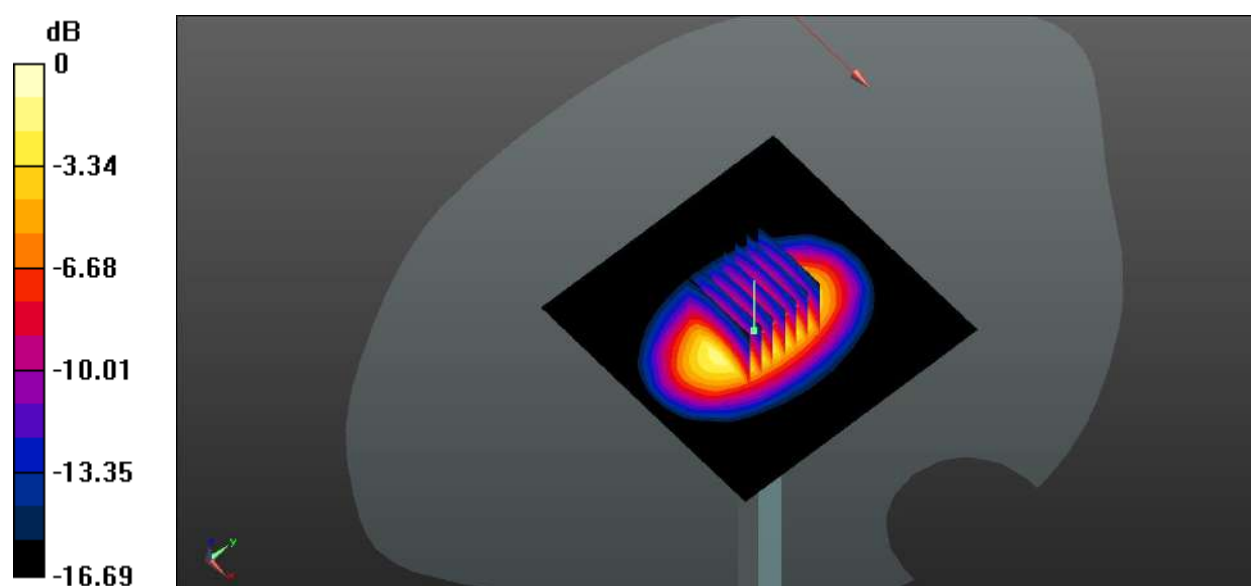
CW1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.81 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 7.04 W/kg

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

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



0 dB = 4.30 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.06.28

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.402$ S/m; $\epsilon_r = 41.385$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.17 W/kg

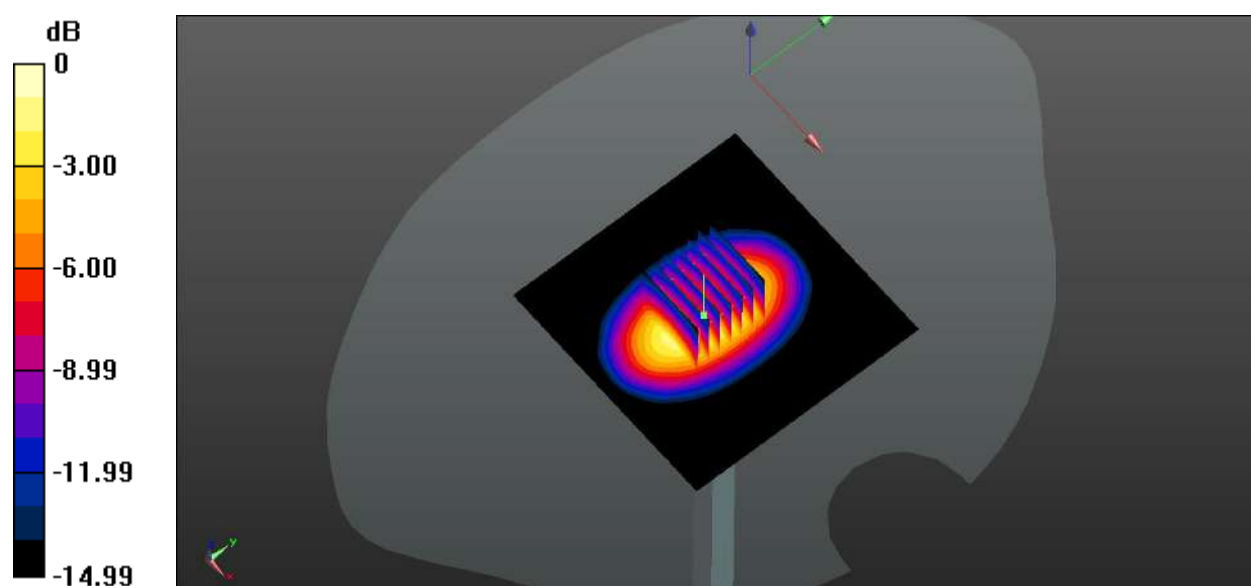
CW1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.22 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 6.48 W/kg

SAR(1 g) = 3.72 W/kg; SAR(10 g) = 2.03 W/kg

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



0 dB = 4.15 W/kg

System Performance Check Data (1900MHz Head)

Date: 2023.06.29

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.399$ S/m; $\epsilon_r = 39.835$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 21.9°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

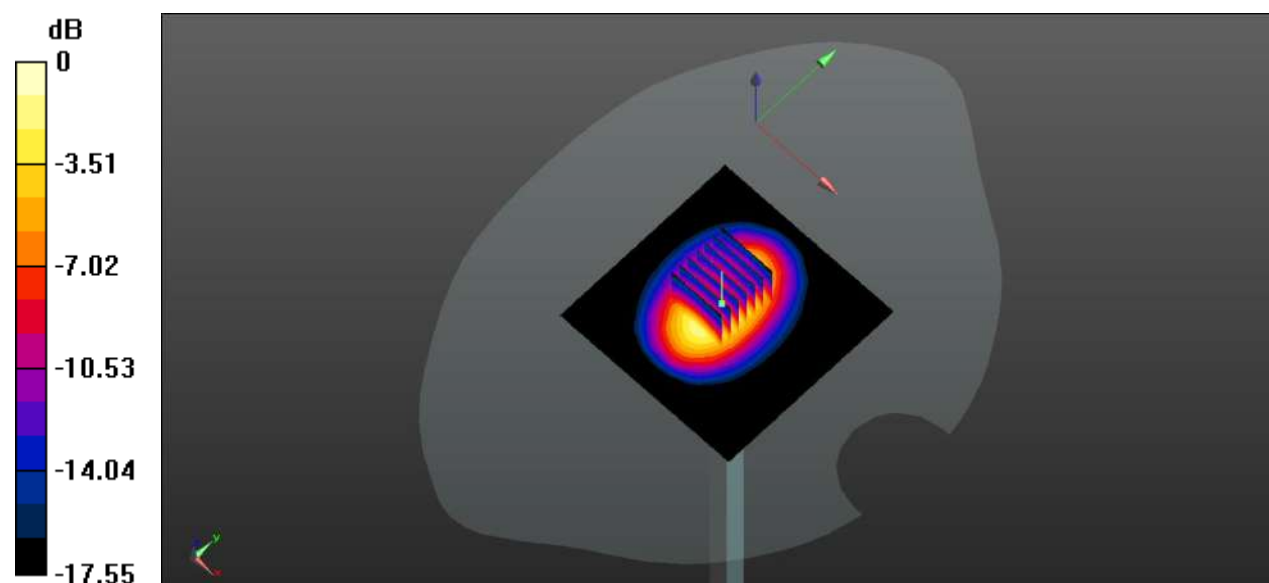
CW 1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.12 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 8.12 W/kg

SAR(1 g) = 4.23 W/kg; SAR(10 g) = 2.16 W/kg

Maximum value of SAR (measured) = 4.71 W/kg



0 dB = 4.71 W/kg

System Performance Check Data (1900MHz Head)

Date: 2023.06.30

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 40.985$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

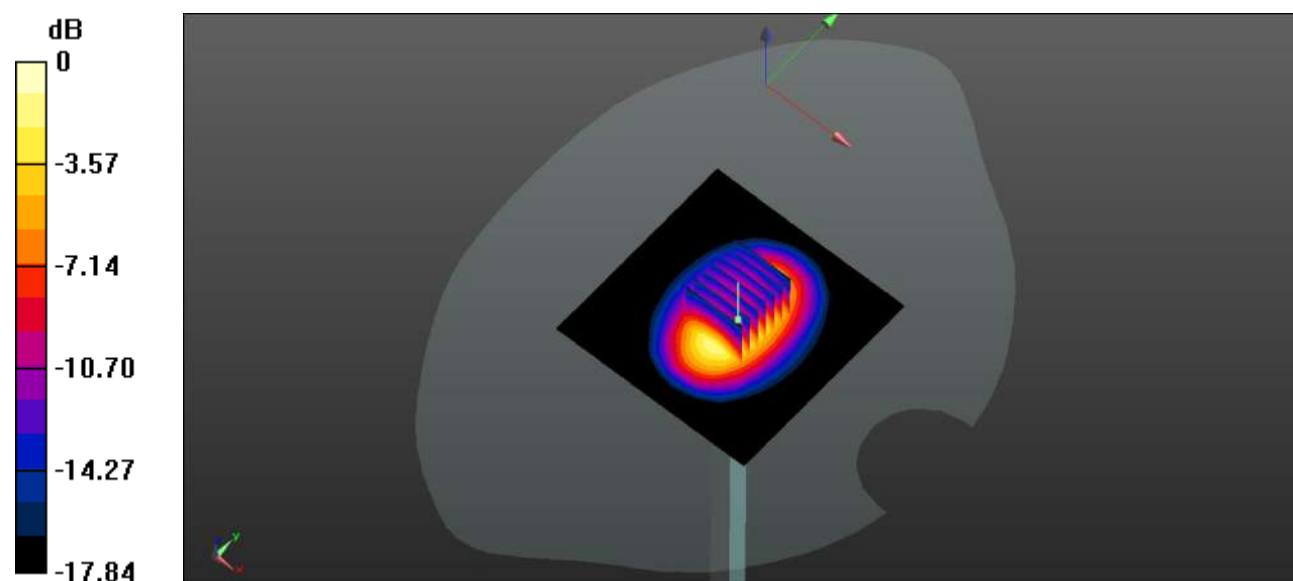
CW1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.62 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 7.11 W/kg

SAR(1 g) = 4.15 W/kg; SAR(10 g) = 2.12 W/kg

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



0 dB = 4.16 W/kg

System Performance Check Data (1900MHz Head)

Date: 2023.07.01

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.408$ S/m; $\epsilon_r = 38.834$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 4.56 W/kg

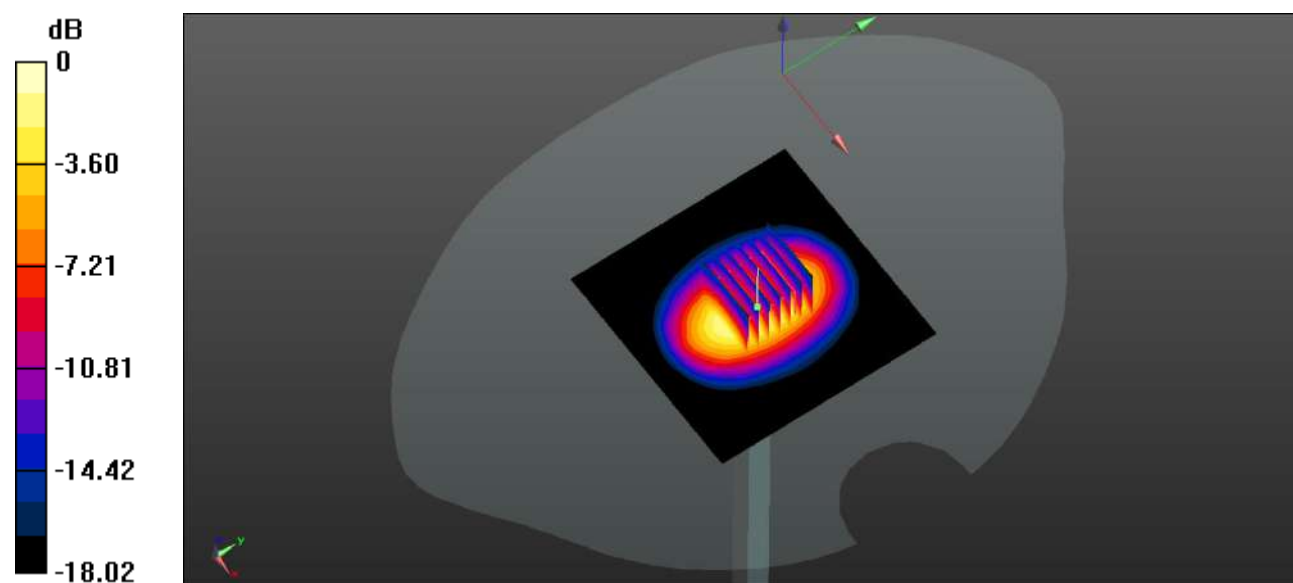
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.86 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 7.49 W/kg

SAR(1 g) = 3.96 W/kg; SAR(10 g) = 2.02 W/kg

Maximum value of SAR (measured) = 4.45 W/kg



0 dB = 4.45 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.07.02

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.973$ S/m; $\epsilon_r = 38.562$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.43 W/kg

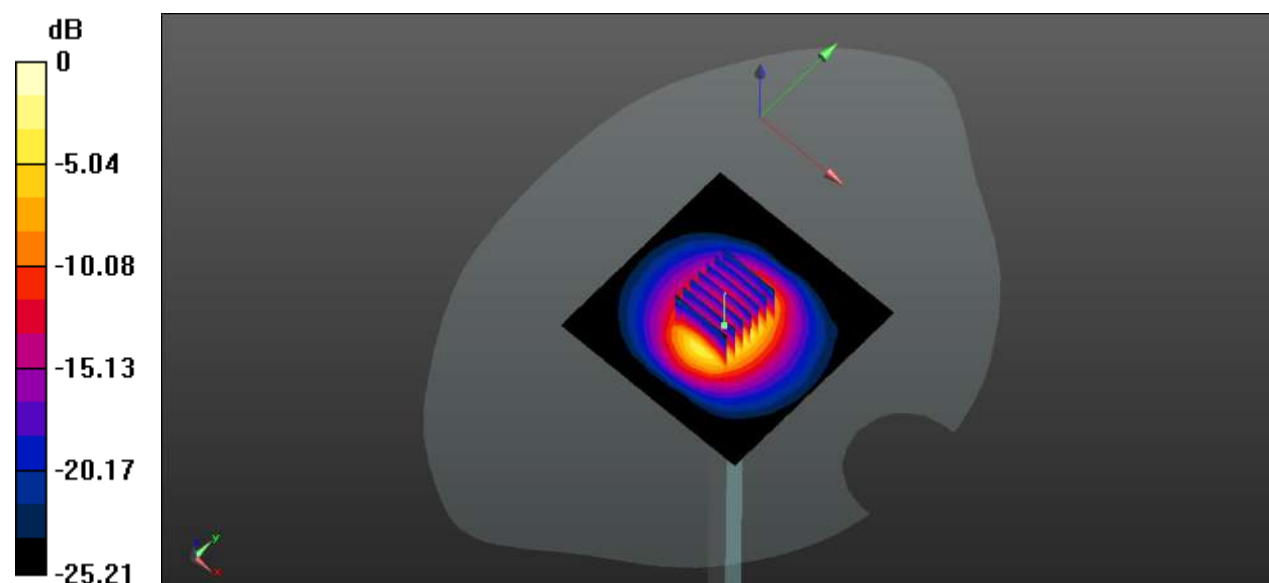
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.55 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.57 W/kg; SAR(10 g) = 2.43 W/kg

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



0 dB = 6.41 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.06.25

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 40.151$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

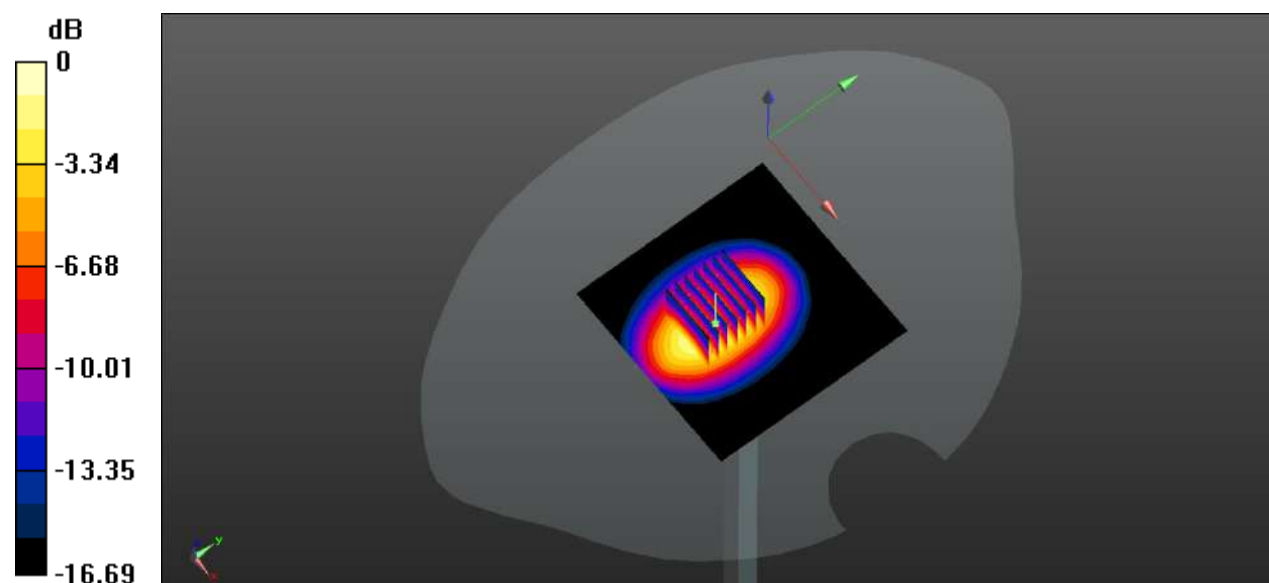
CW1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.41 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 6.73 W/kg

SAR(1 g) = 3.55 W/kg; SAR(10 g) = 1.83 W/kg

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



0 dB = 4.03 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.06.26

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.386$ S/m; $\epsilon_r = 40.011$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.14 W/kg

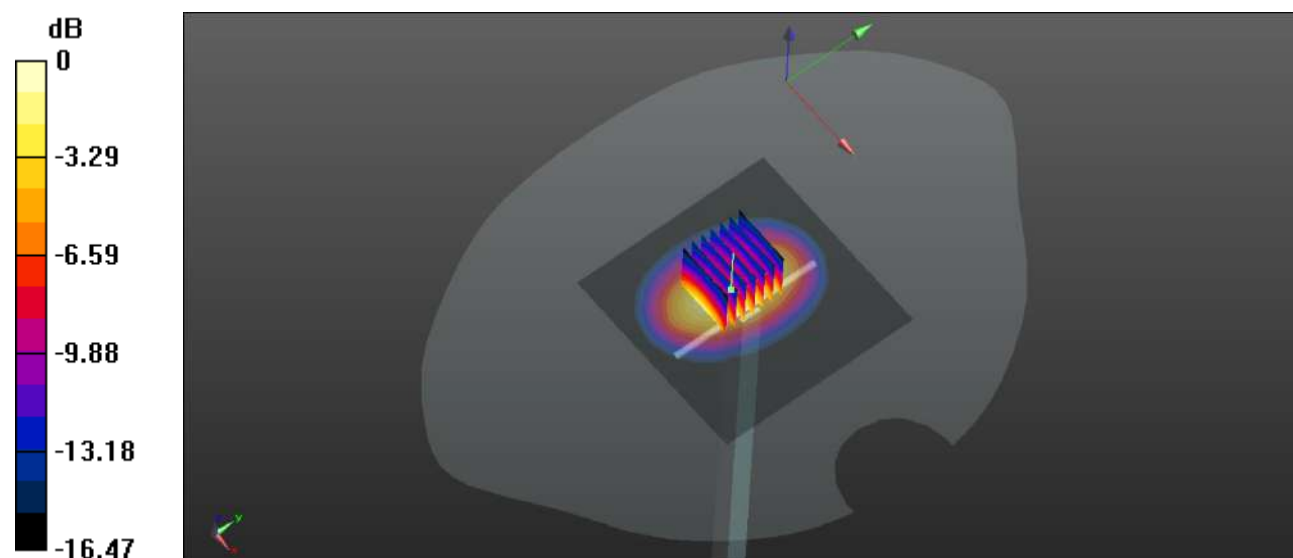
CW1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.93 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 6.73 W/kg

SAR(1 g) = 3.71 W/kg; SAR(10 g) = 1.96 W/kg

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



0 dB = 4.15 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.06.27

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 40.103$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.36 W/kg

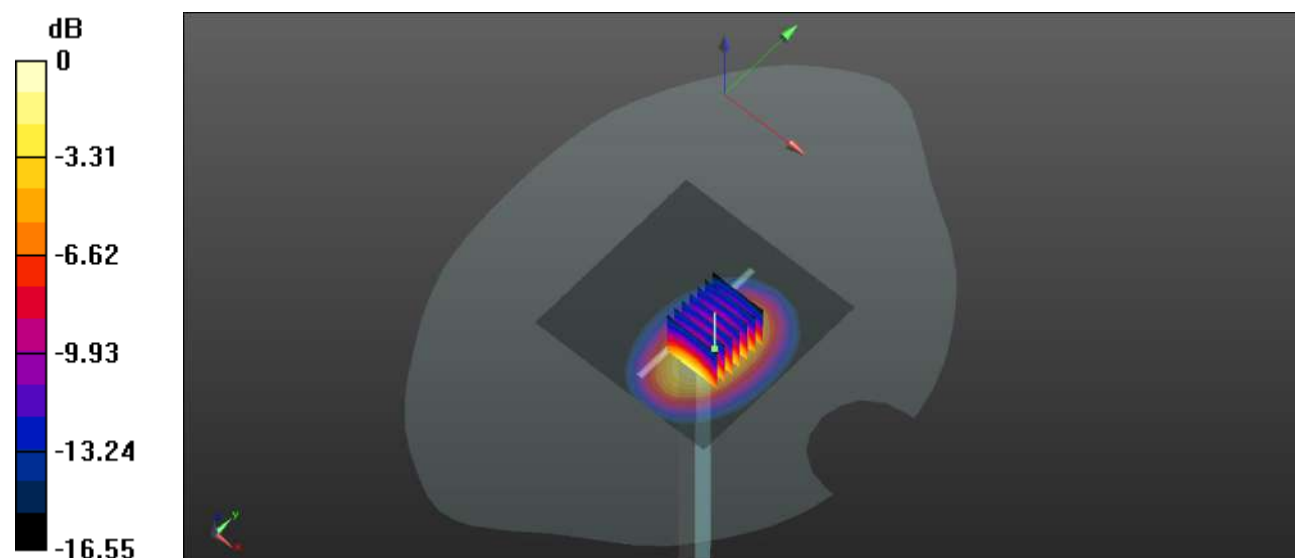
CW1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.06 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 7.11 W/kg

SAR(1 g) = 3.89 W/kg; SAR(10 g) = 2.06 W/kg

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



0 dB = 4.35 W/kg

System Performance Check Data (2450MHz Head)

Date: 2023.06.28

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.804$ S/m; $\epsilon_r = 39.626$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 5.89 W/kg

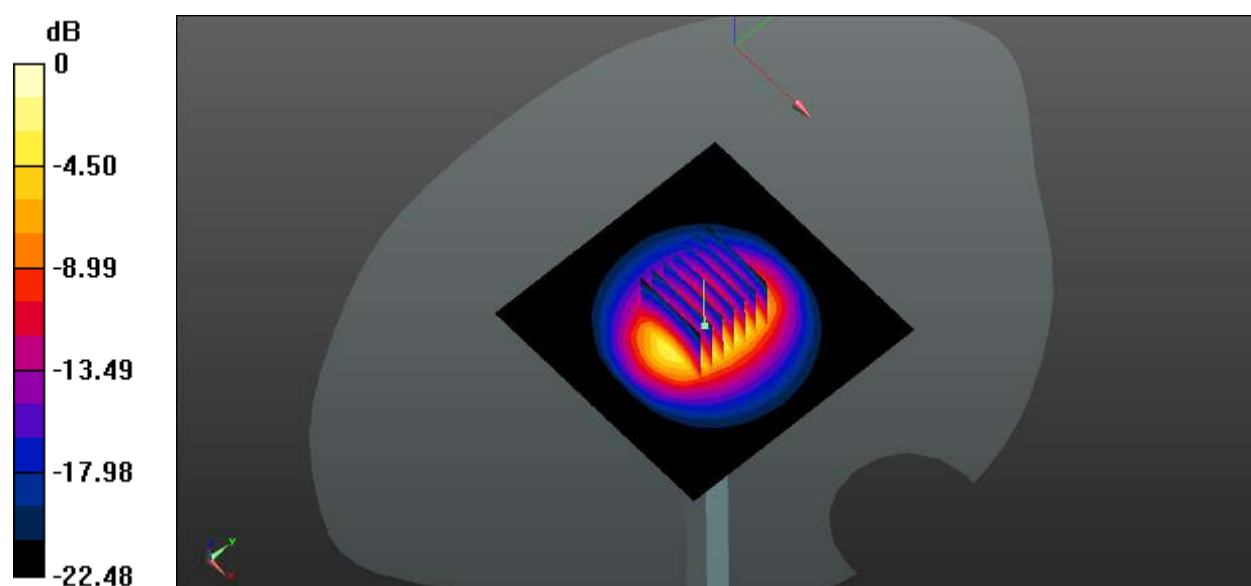
CW2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.61 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 10.5 W/kg

SAR(1 g) = 5.02 W/kg; SAR(10 g) = 2.31 W/kg

Maximum value of SAR (measured) = 5.83 W/kg



0 dB = 5.83 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.06.29

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 2.008$ S/m; $\epsilon_r = 39.067$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

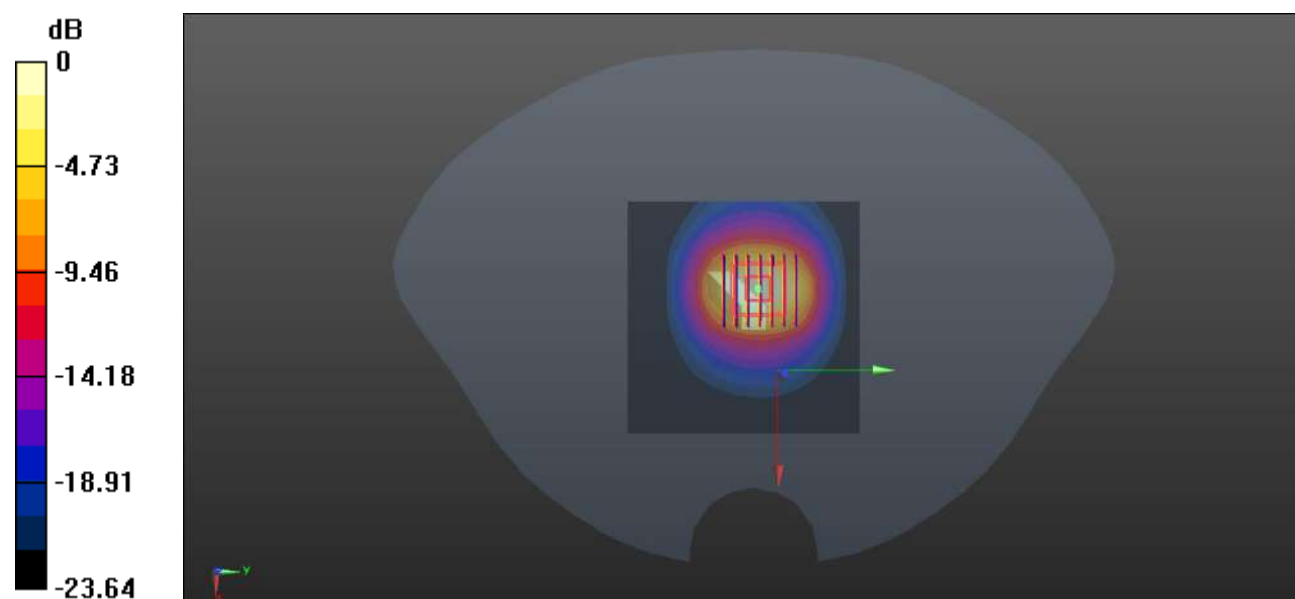
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.28 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 12.0 W/kg

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

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



0 dB = 6.21 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.06.30

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 2.016$ S/m; $\epsilon_r = 39.047$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.92 W/kg

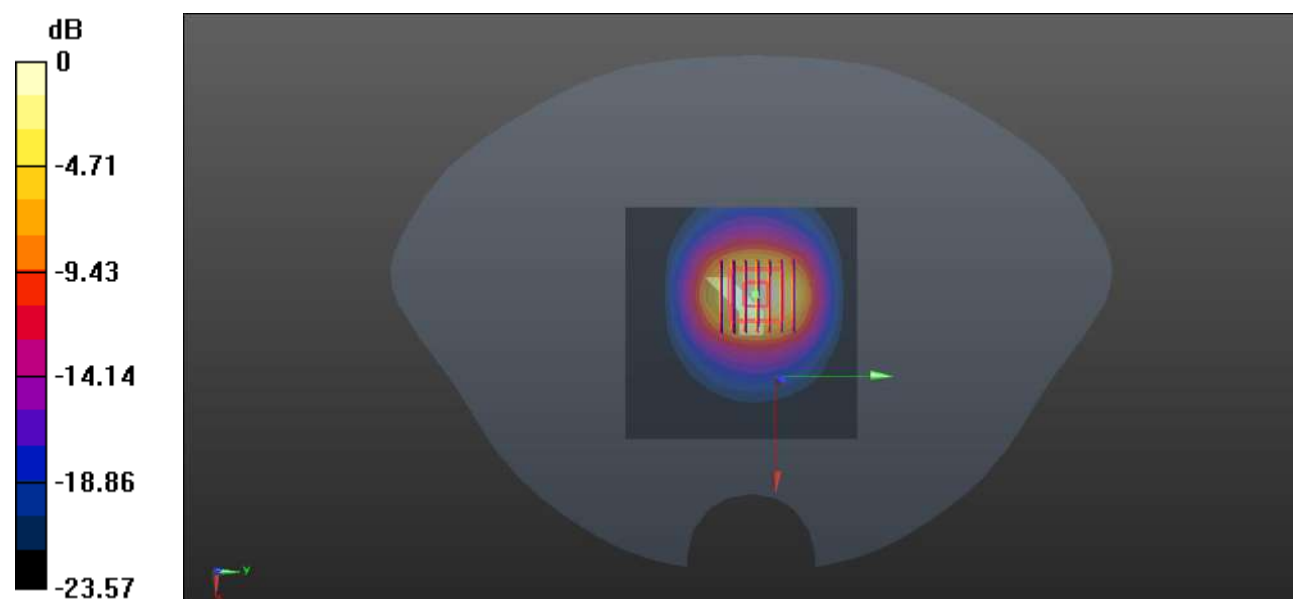
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.13 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.67 W/kg; SAR(10 g) = 2.52 W/kg

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



0 dB = 6.53 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.06.16

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.995$ S/m; $\epsilon_r = 38.359$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 7.25 W/kg

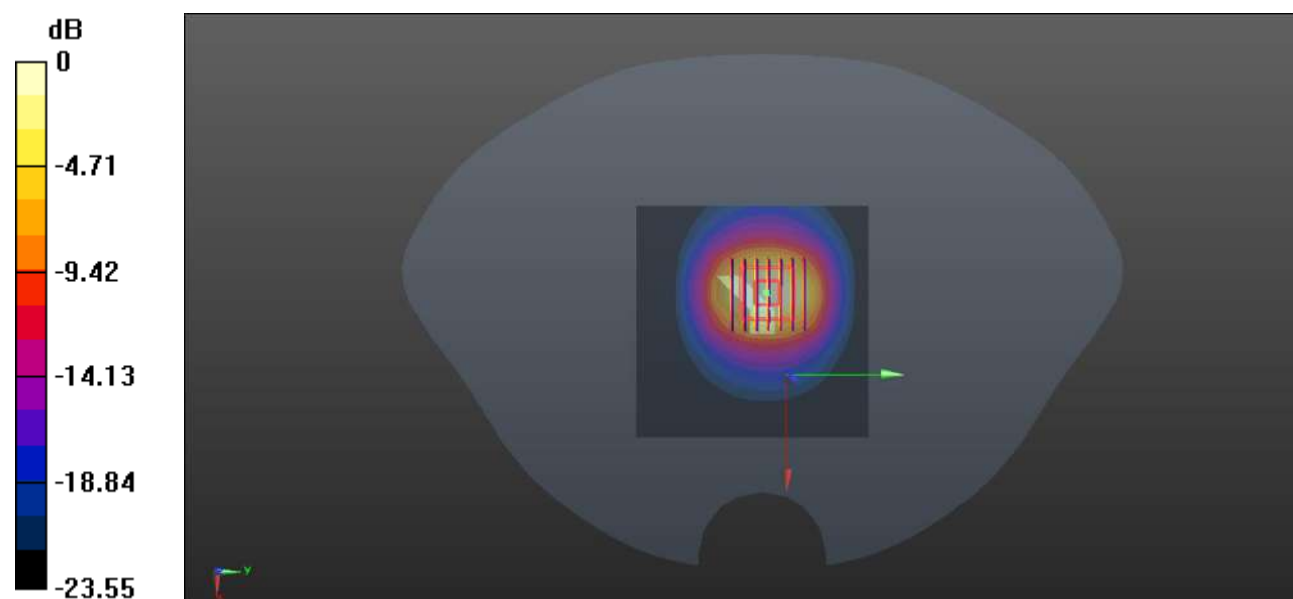
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.06 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 12.8 W/kg

SAR(1 g) = 5.85 W/kg; SAR(10 g) = 2.59 W/kg

Maximum value of SAR (measured) = 6.72 W/kg



0 dB = 6.72 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.06.17

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 2.016$ S/m; $\epsilon_r = 38.188$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 21.8°C Liquid Temperature: 20.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 7.43 W/kg

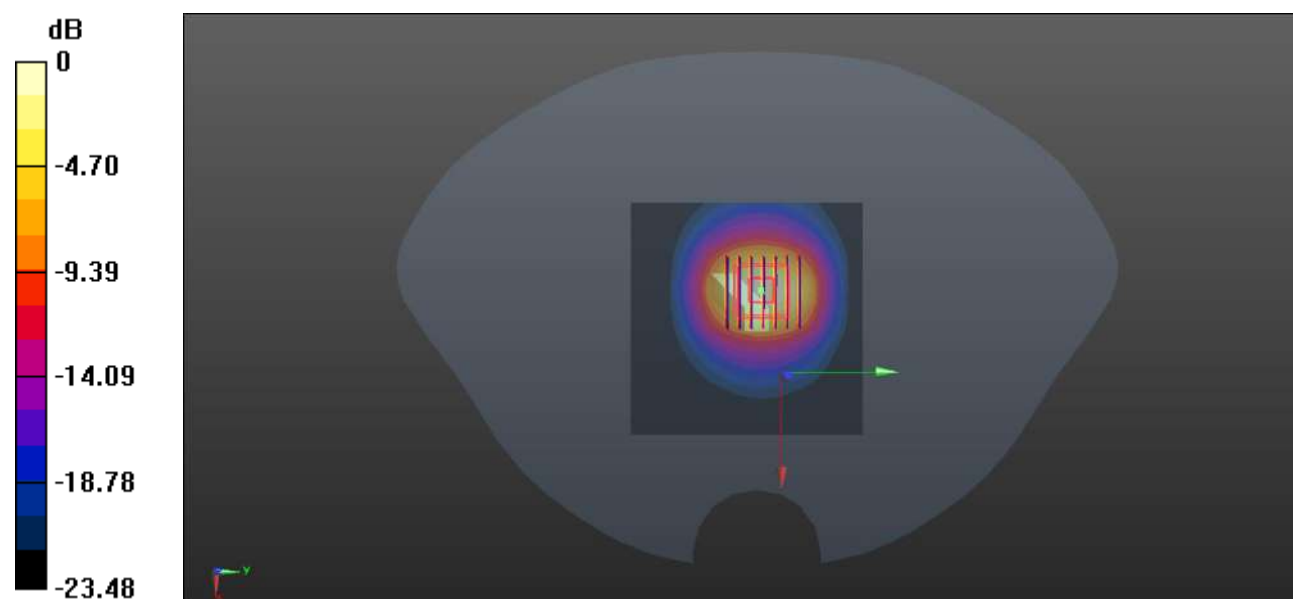
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.92 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 13.1 W/kg

SAR(1 g) = 6.05 W/kg; SAR(10 g) = 2.66 W/kg

Maximum value of SAR (measured) = 6.95 W/kg



0 dB = 6.95 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.06.18

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.997$ S/m; $\epsilon_r = 38.538$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 7.04 W/kg

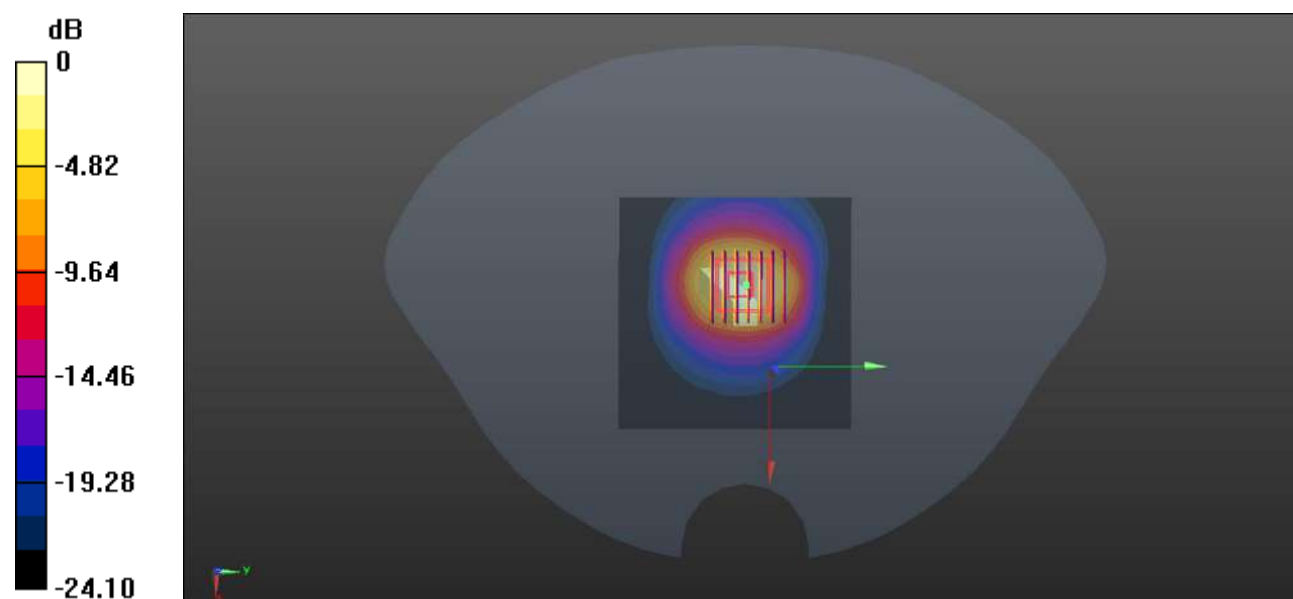
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.42 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 12.8 W/kg

SAR(1 g) = 5.81 W/kg; SAR(10 g) = 2.62 W/kg

Maximum value of SAR (measured) = 6.58 W/kg



0 dB = 6.58 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.06.19

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.015$ S/m; $\epsilon_r = 39.031$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

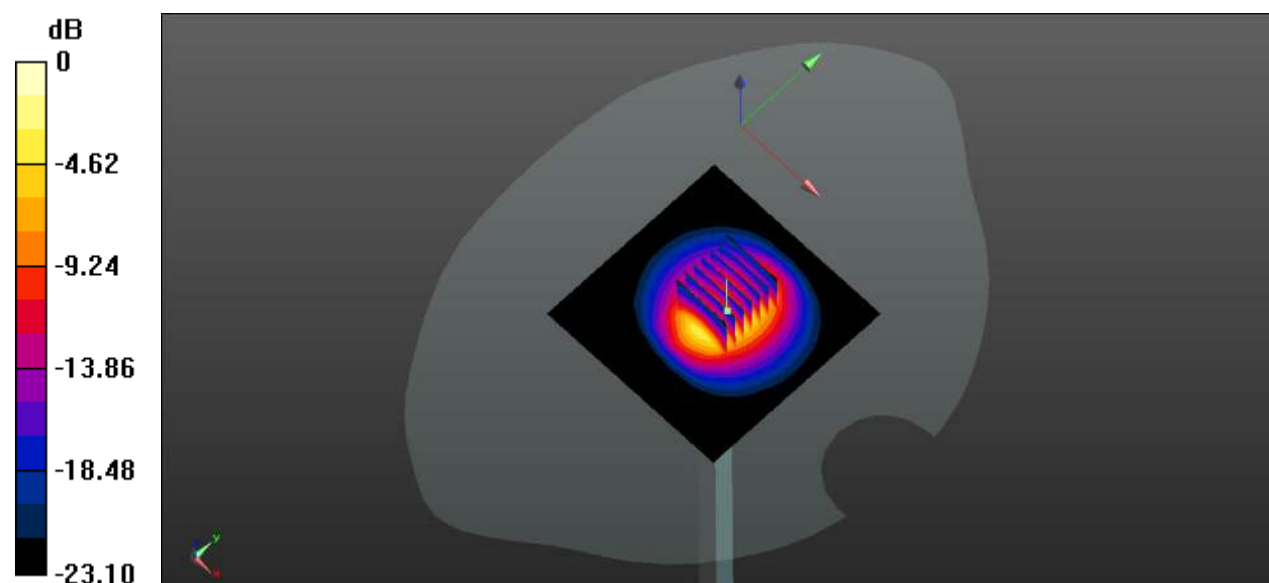
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.41 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.41 W/kg; SAR(10 g) = 2.43 W/kg

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



0 dB = 6.35 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.06.20

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.993$ S/m; $\epsilon_r = 39.181$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

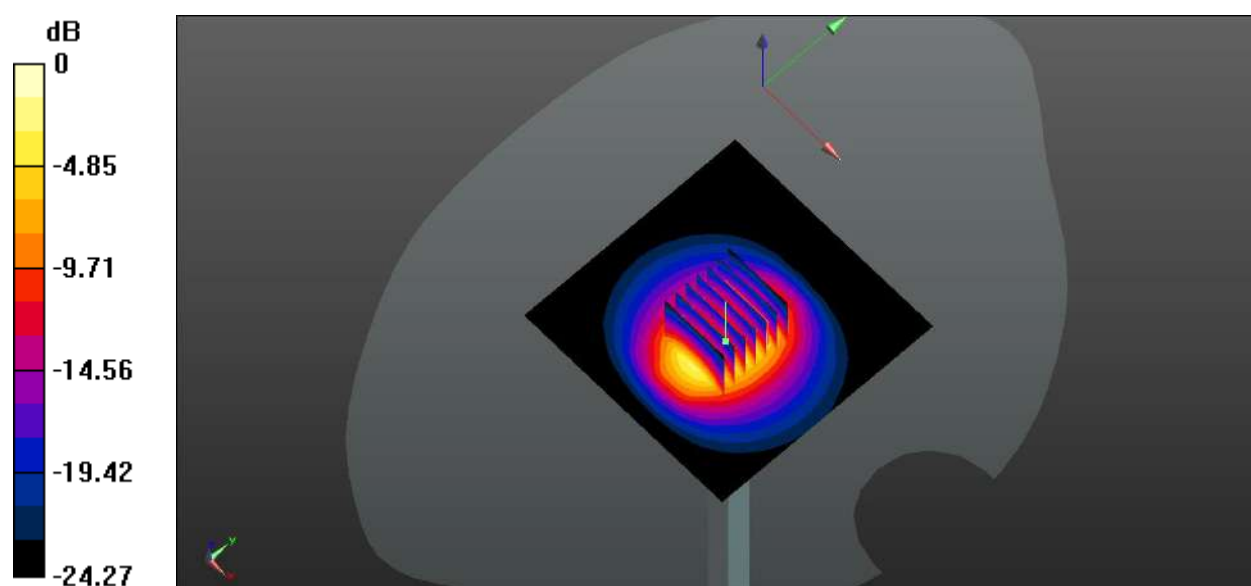
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.73 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 12.5 W/kg

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

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



0 dB = 6.32 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.06.21

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 2.045$ S/m; $\epsilon_r = 39.241$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

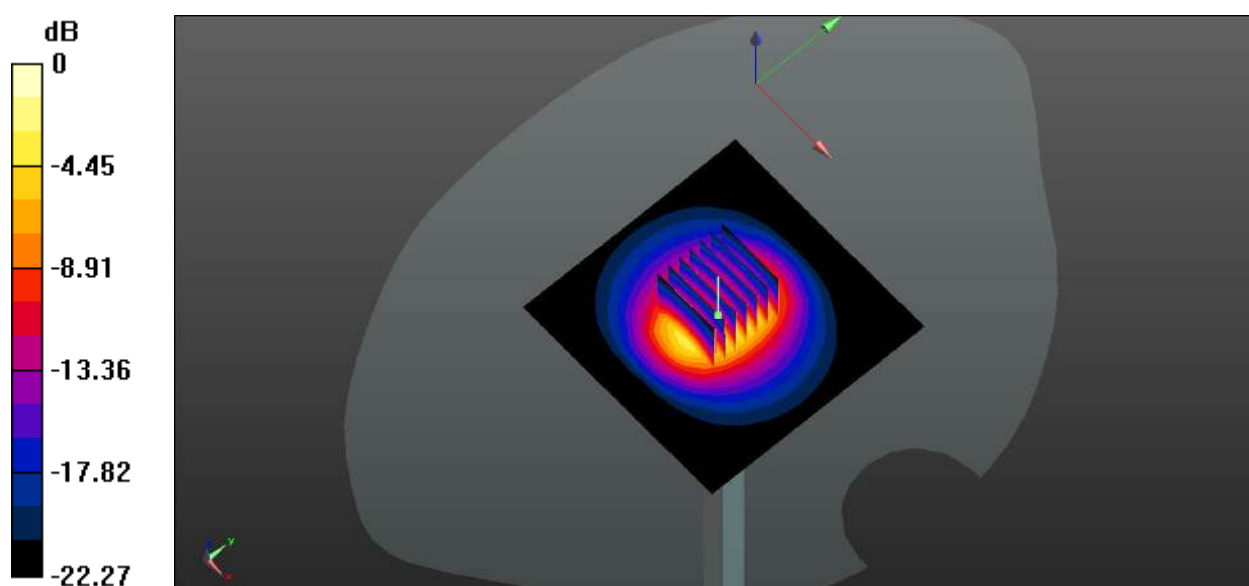
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.56 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 5.72 W/kg; SAR(10 g) = 2.47 W/kg

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



0 dB = 6.52 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.06.22

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.001$ S/m; $\epsilon_r = 39.17$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.26 W/kg

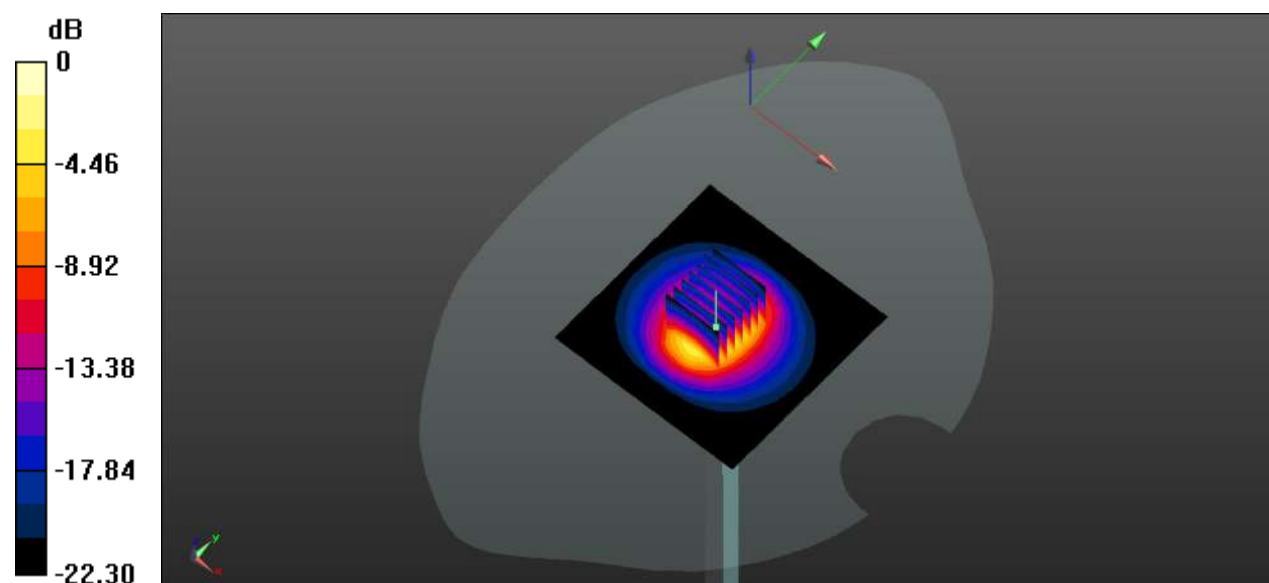
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.23 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.52 W/kg; SAR(10 g) = 2.42 W/kg

Maximum value of SAR (measured) = 6.26 W/kg



0 dB = 6.26 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.06.23

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 2.015$ S/m; $\epsilon_r = 39.32$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

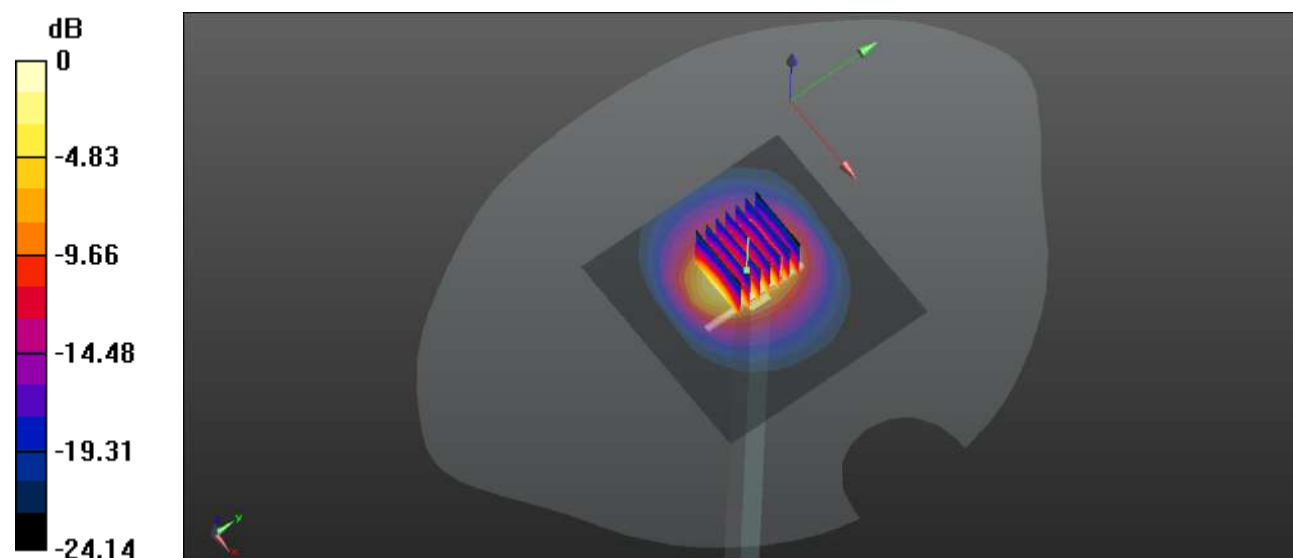
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 12.3 W/kg

SAR(1 g) = 5.34 W/kg; SAR(10 g) = 2.38 W/kg

Maximum value of SAR (measured) = 6.11 W/kg



0 dB = 6.11 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.06.24

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 2.016$ S/m; $\epsilon_r = 39.451$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.86 W/kg

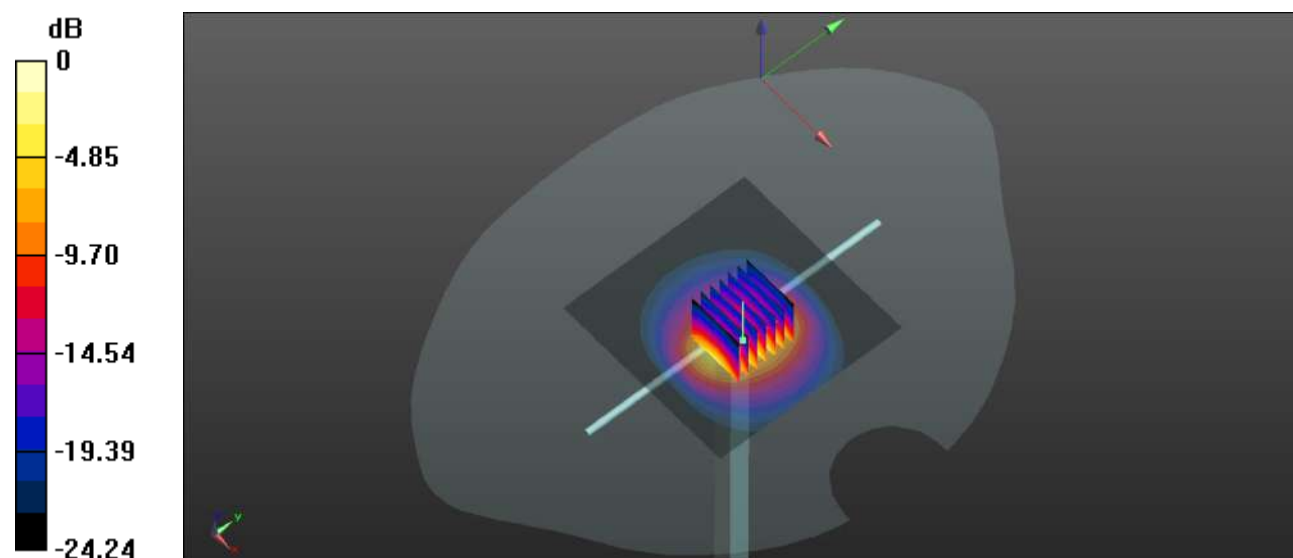
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.73 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 13.9 W/kg

SAR(1 g) = 5.85 W/kg; SAR(10 g) = 2.45 W/kg

Maximum value of SAR (measured) = 6.67 W/kg



0 dB = 6.67 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.07.04

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.974$ S/m; $\epsilon_r = 38.658$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.72 W/kg

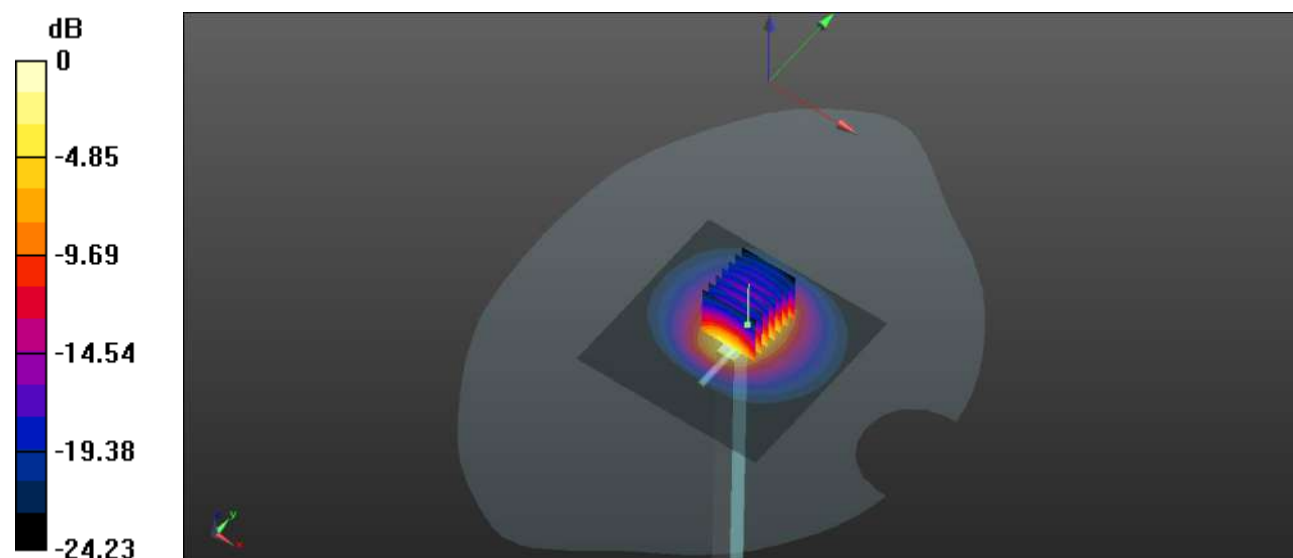
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.31 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 13.6 W/kg

SAR(1 g) = 5.81 W/kg; SAR(10 g) = 2.56 W/kg

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



0 dB = 6.62 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.07.05

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.906$ S/m; $\epsilon_r = 38.131$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

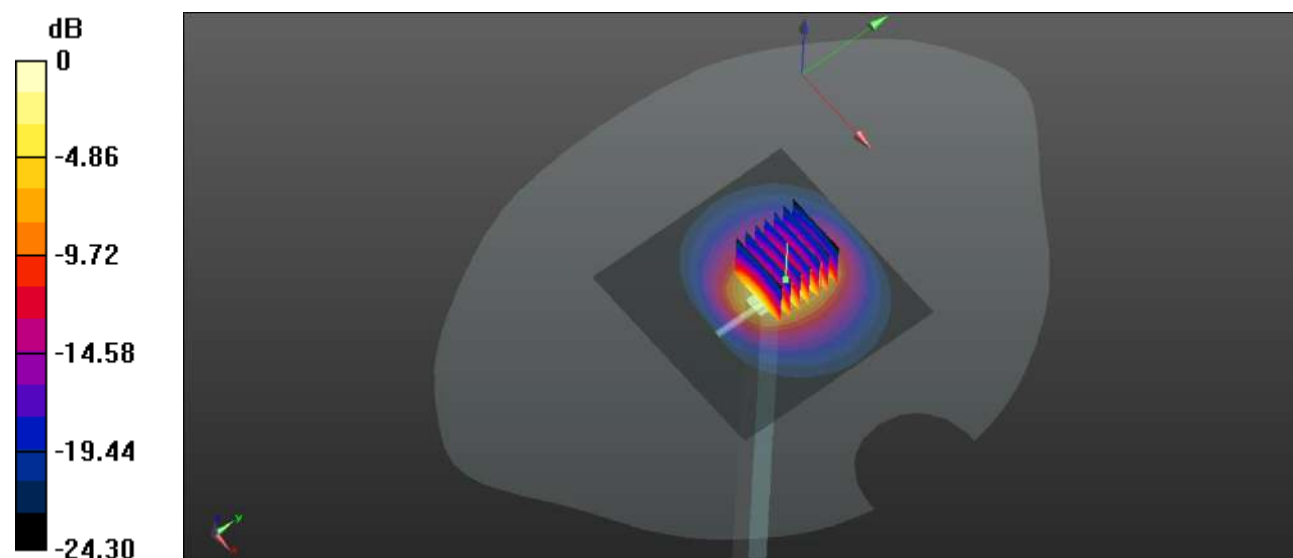
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.25 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 13.9 W/kg

SAR(1 g) = 5.96 W/kg; SAR(10 g) = 2.62 W/kg

Maximum value of SAR (measured) = 6.81 W/kg



0 dB = 6.81 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.07.06

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.019$ S/m; $\epsilon_r = 39.323$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.29 W/kg

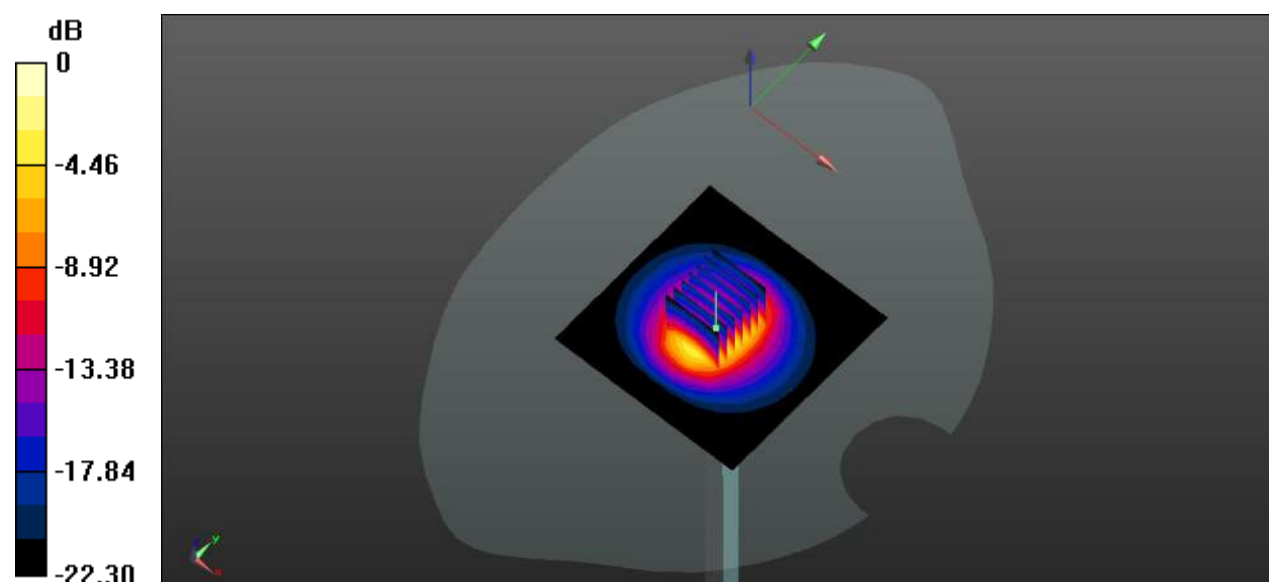
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.23 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.51 W/kg; SAR(10 g) = 2.41 W/kg

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



0 dB = 6.28 W/kg

System Performance Check Data (5250MHz Head)

Date: 2023.07.01

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.7$ S/m; $\epsilon_r = 35.794$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.67, 5.67, 5.67); Calibrated: 2023.01.19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5250/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.39 W/kg

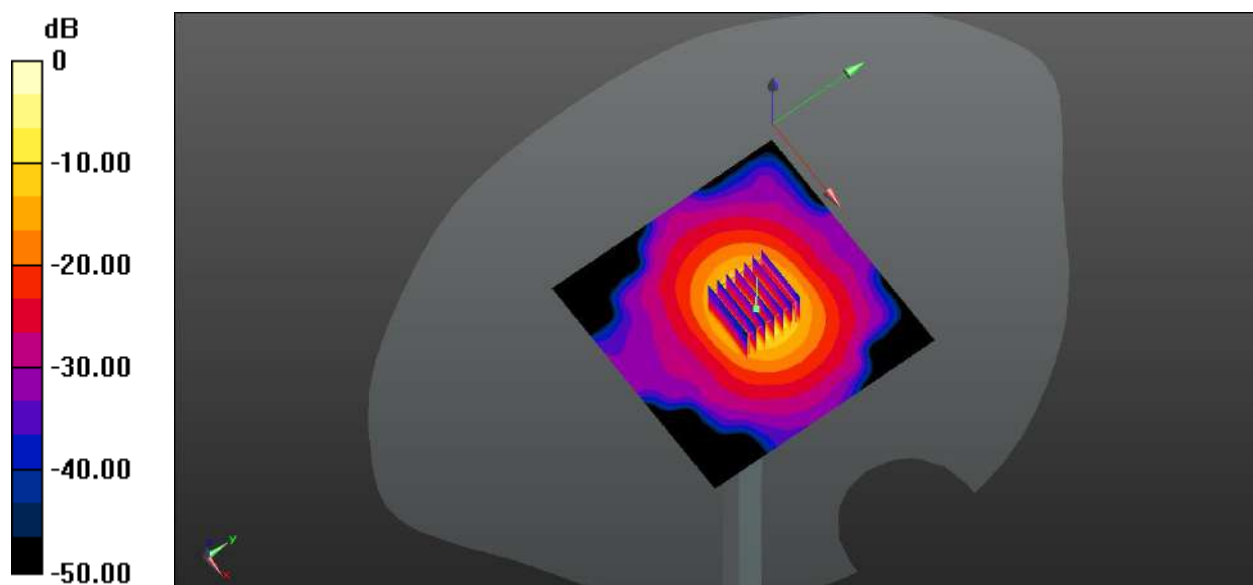
CW5250/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 37.06 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 33.2 W/kg

SAR(1 g) = 7.76 W/kg; SAR(10 g) = 2.15 W/kg

Maximum value of SAR (measured) = 19.5 W/kg



0 dB = 19.5 W/kg

System Performance Check Data (5600MHz Head)

Date: 2023.07.02

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.054$ S/m; $\epsilon_r = 35.305$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.88, 4.88, 4.88); Calibrated: 2023.01.19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.84 W/kg

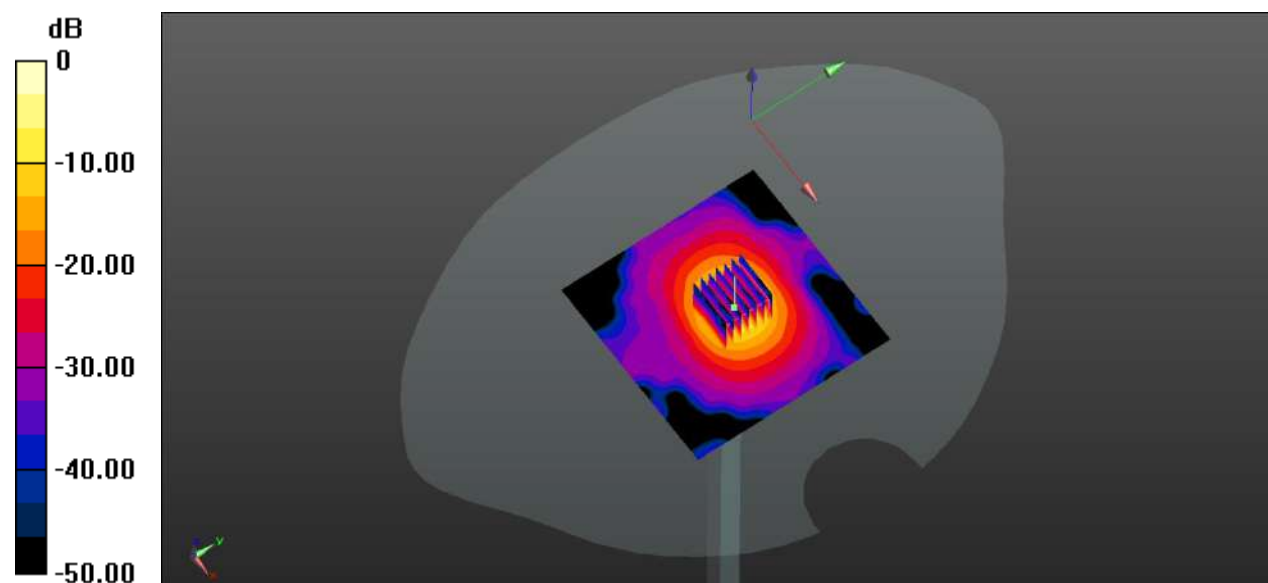
CW5600/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 37.43 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 39.1 W/kg

SAR(1 g) = 8.36 W/kg; SAR(10 g) = 2.31 W/kg

Maximum value of SAR (measured) = 21.2 W/kg



0 dB = 21.2 W/kg

System Performance Check Data (5750MHz Head)

Date: 2023.07.03

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

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.176$ S/m; $\epsilon_r = 35.663$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.83, 4.83, 4.83); Calibrated: 2023.01.19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5750/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

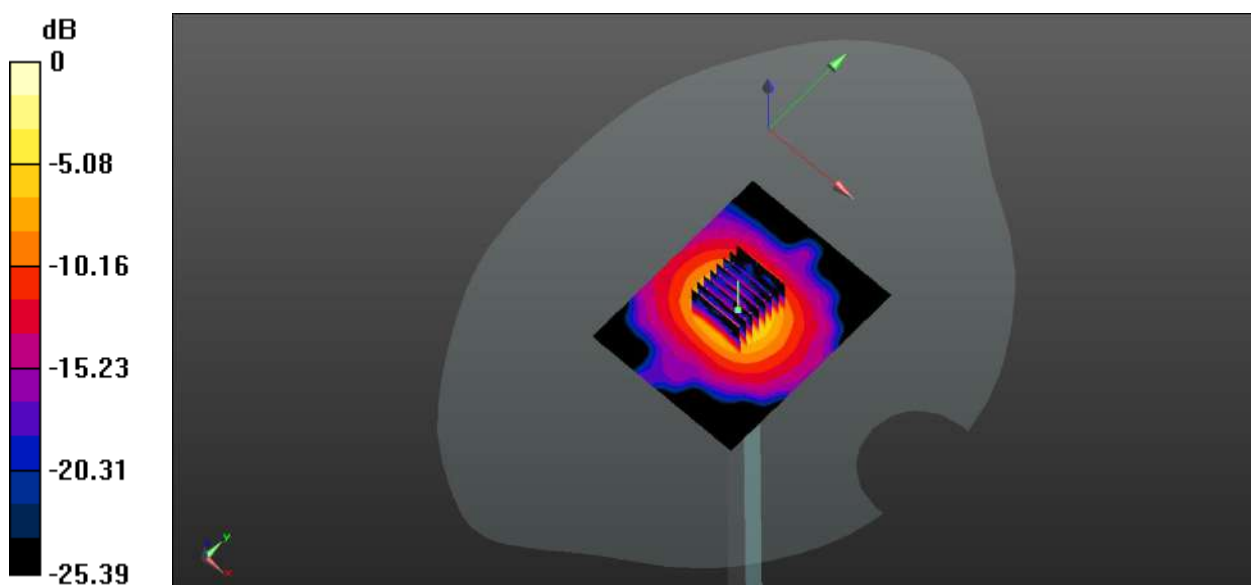
CW5750/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

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

Peak SAR (extrapolated) = 36.7 W/kg

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

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



0 dB = 16.1 W/kg

ANNEX C TEST DATA

Meas.1 Right Head with Cheek on Low Channel GPRS850 2Slots with Antenna 1

Date: 2023.06.19

Communication System Band: GPRS850; Frequency: 824.2 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 42.139$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

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

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

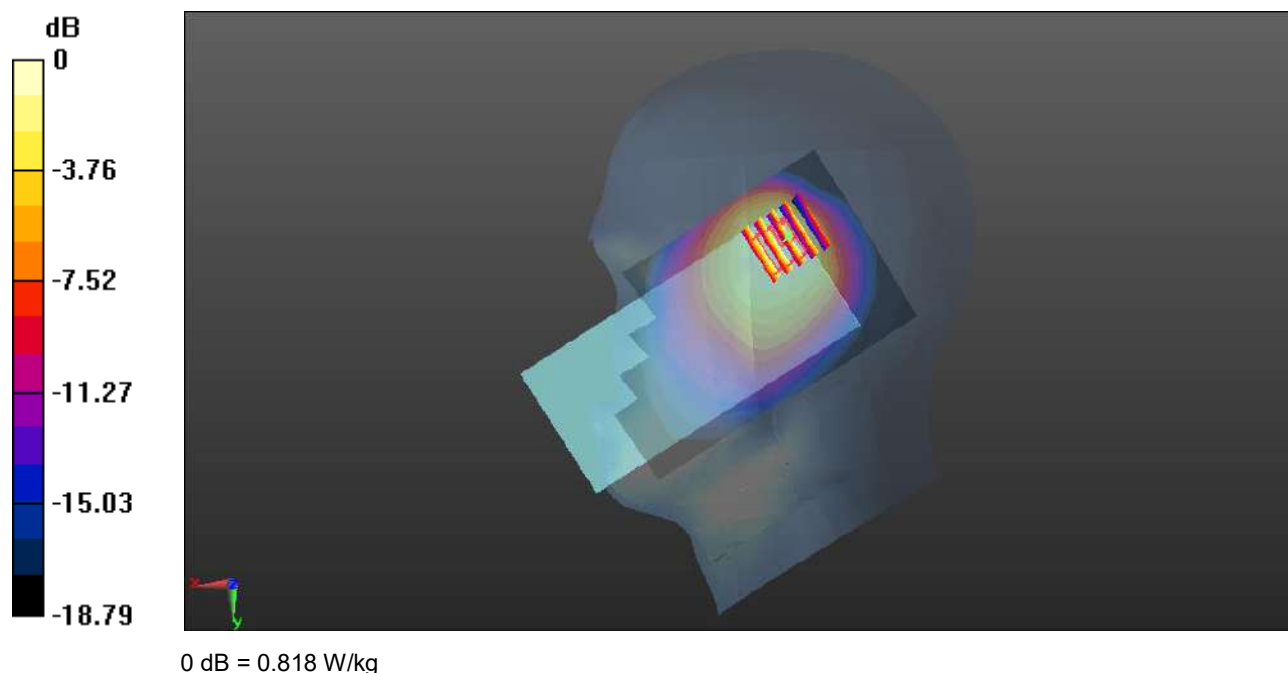
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.03 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.771 W/kg; SAR(10 g) = 0.471 W/kg

Maximum value of SAR (measured) = 0.818 W/kg



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

Date: 2023.06.19

Communication System Band: GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 41.862$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.238 W/kg

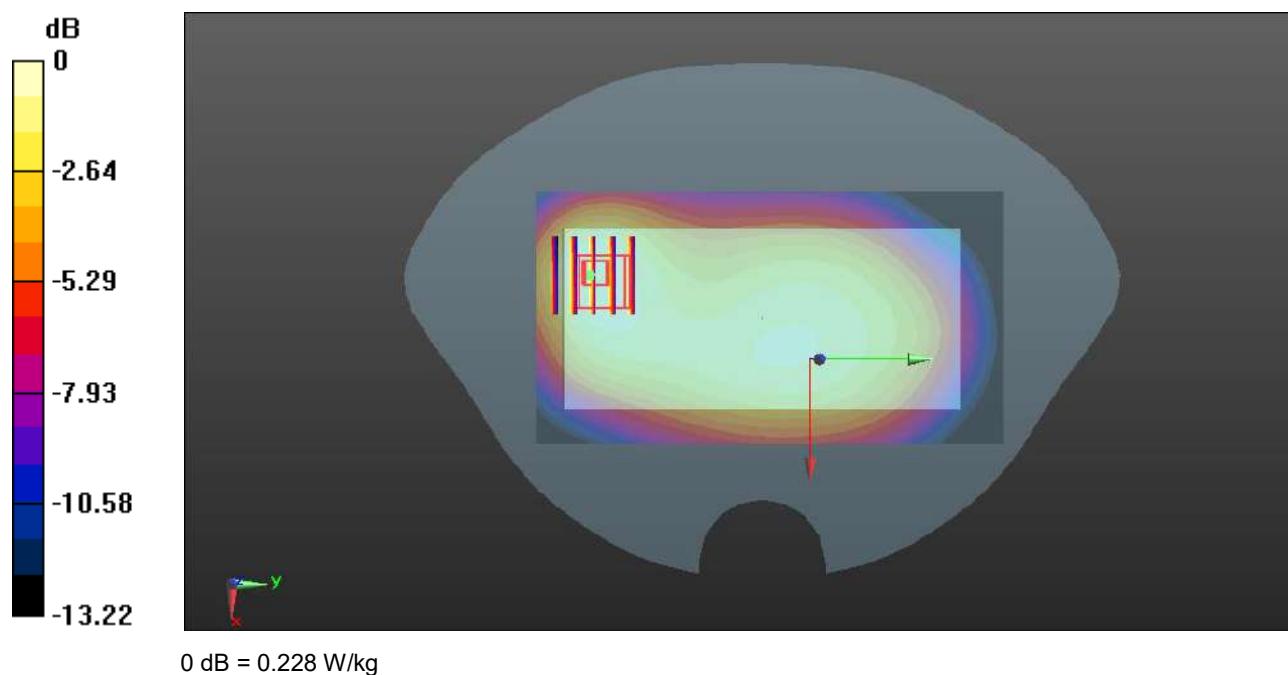
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.30 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.319 W/kg

SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.144 W/kg

Maximum value of SAR (measured) = 0.228 W/kg



Meas.3 Body Plane with Back Side 10mm on Middle Channel in GPRS850 2Slots mode with Antenna 1

Date: 2023.06.19

Communication System Band: GPRS850; Frequency: 836.6 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 41.862$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.524 W/kg

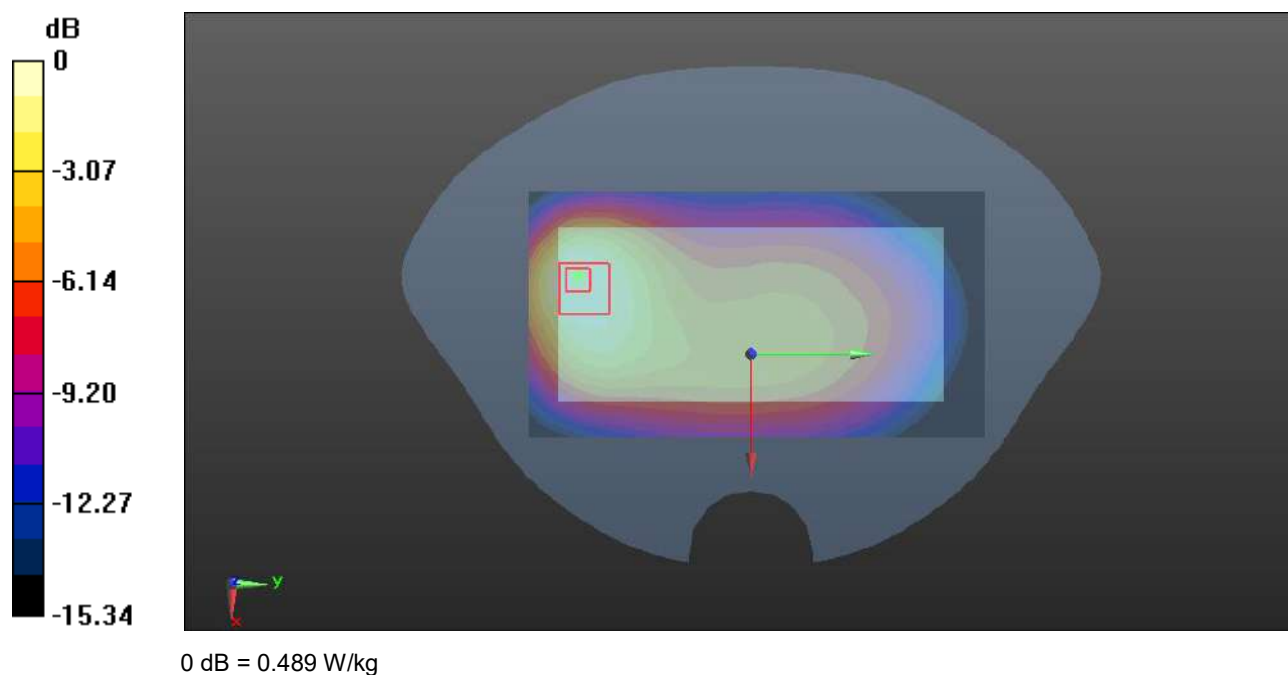
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.06 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.727 W/kg

SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.287 W/kg

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



Meas.4 Right Head with Cheek on High Channel GPRS1900 2Slots with Antenna 1

Date: 2023.06.29

Communication System Band: GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.403$ S/m; $\epsilon_r = 39.646$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 21.9°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 1.32 W/kg

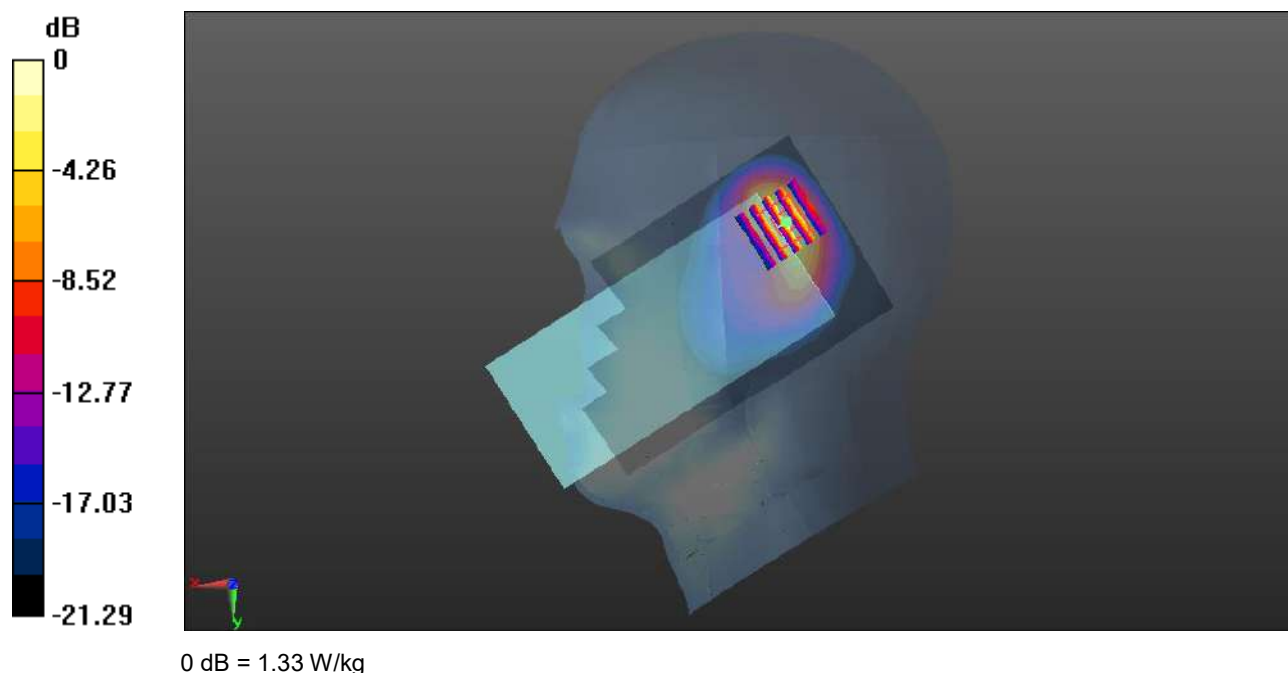
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.33 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.34 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.477 W/kg

Maximum value of SAR (measured) = 1.33 W/kg



Meas.5 Body Plane with Back Side 15mm on Middle Channel in GPRS1900 2Slots mode with Antenna 0

Date: 2023.06.29

Communication System Band: GPRS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.389$ S/m; $\epsilon_r = 40.087$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 21.9°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.263 W/kg

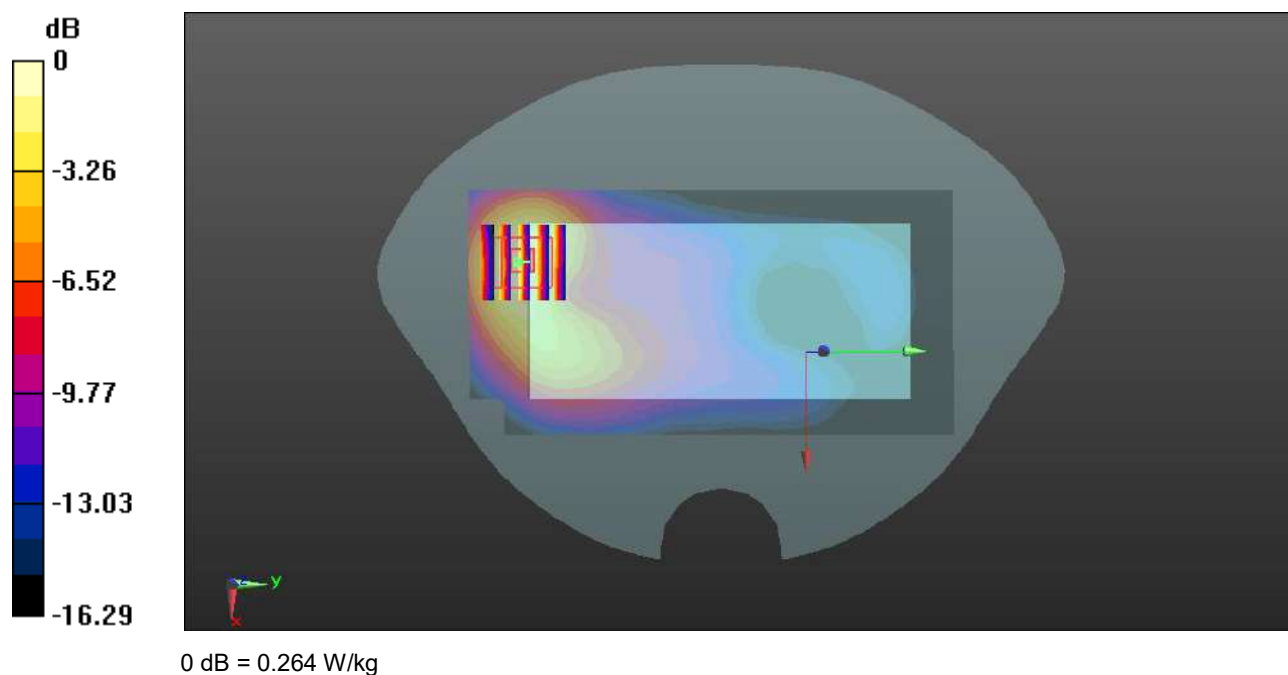
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.629 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.392 W/kg

SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.136 W/kg

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



Meas.6 Body Plane with Bottom Edge 10mm on Middle Channel in GPRS1900 2Slots mode with Antenna 0

Date: 2023.06.29

Communication System Band: GPRS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.389$ S/m; $\epsilon_r = 40.087$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 21.9°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.713 W/kg

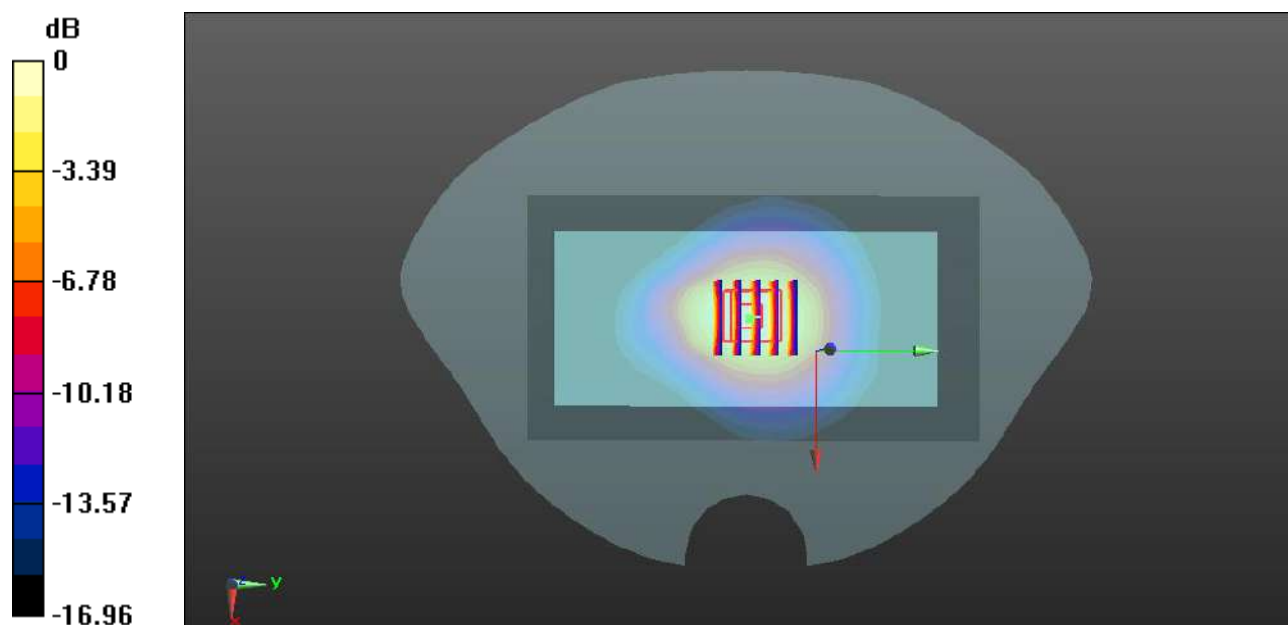
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 21.78 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.980 W/kg

SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.336 W/kg

Maximum value of SAR (measured) = 0.638 W/kg



0 dB = 0.638 W/kg

Meas.7 Right Head with Tilt on Low Channel WCDMA Band2 with Antenna 1

Date: 2023.06.29

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

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.374$ S/m; $\epsilon_r = 40.461$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 21.9°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

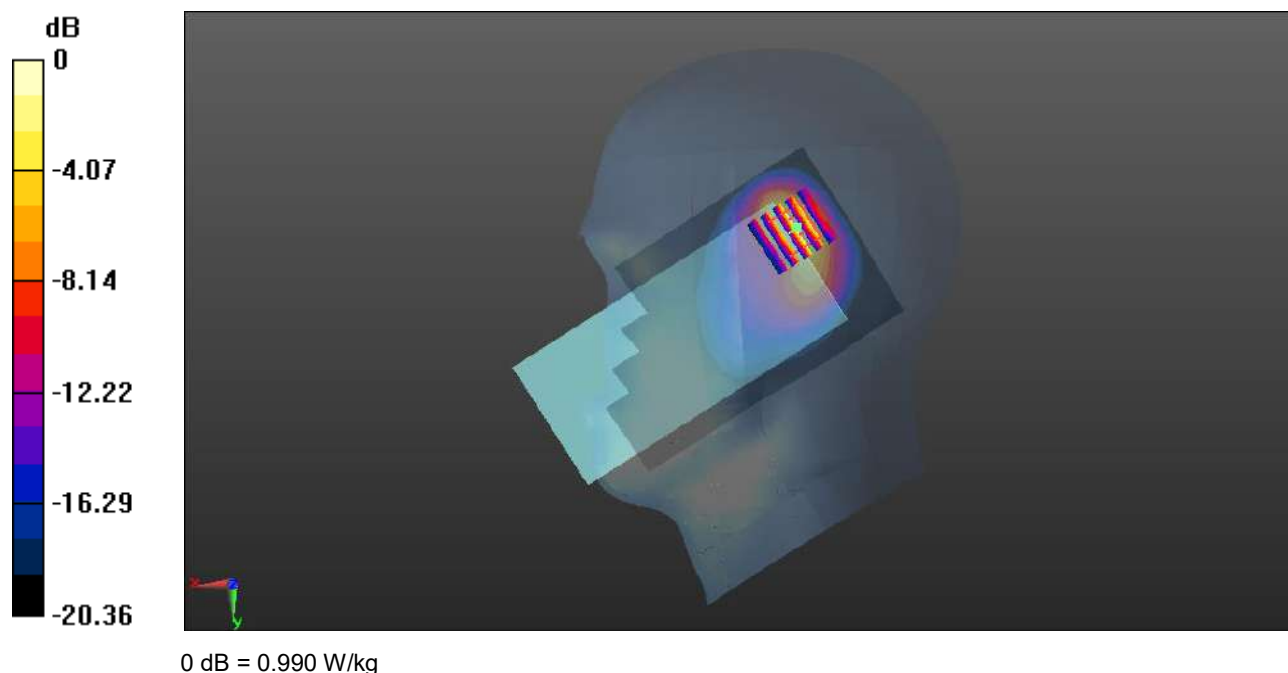
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.30 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.807 W/kg; SAR(10 g) = 0.357 W/kg

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



Meas.8 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band2 with Antenna 0

Date: 2023.06.29

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.389$ S/m; $\epsilon_r = 40.087$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 21.9°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.305 W/kg

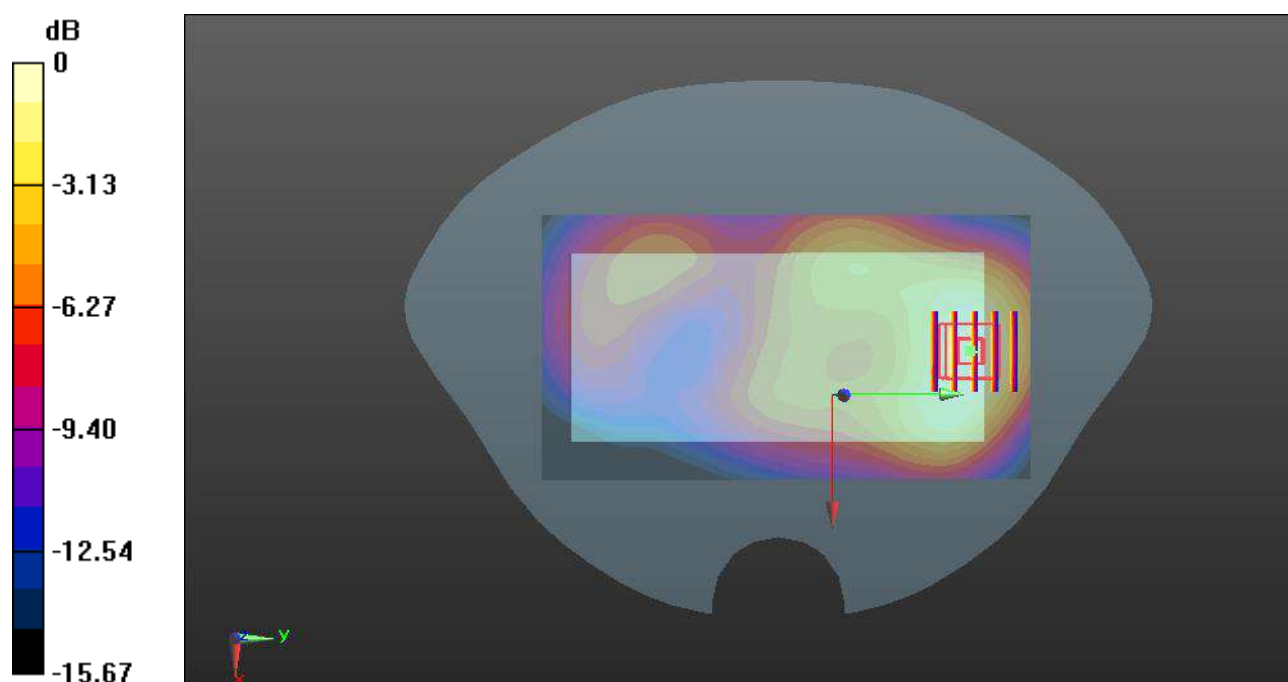
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.042 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.440 W/kg

SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.174 W/kg

Maximum value of SAR (measured) = 0.304 W/kg



0 dB = 0.304 W/kg

Meas.9 Body Plane with Bottom Edge 10mm on Middle Channel in WCDMA Band2 mode with Antenna 0

Date: 2023.06.29

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.389$ S/m; $\epsilon_r = 40.087$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 21.9°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (61x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.743 W/kg

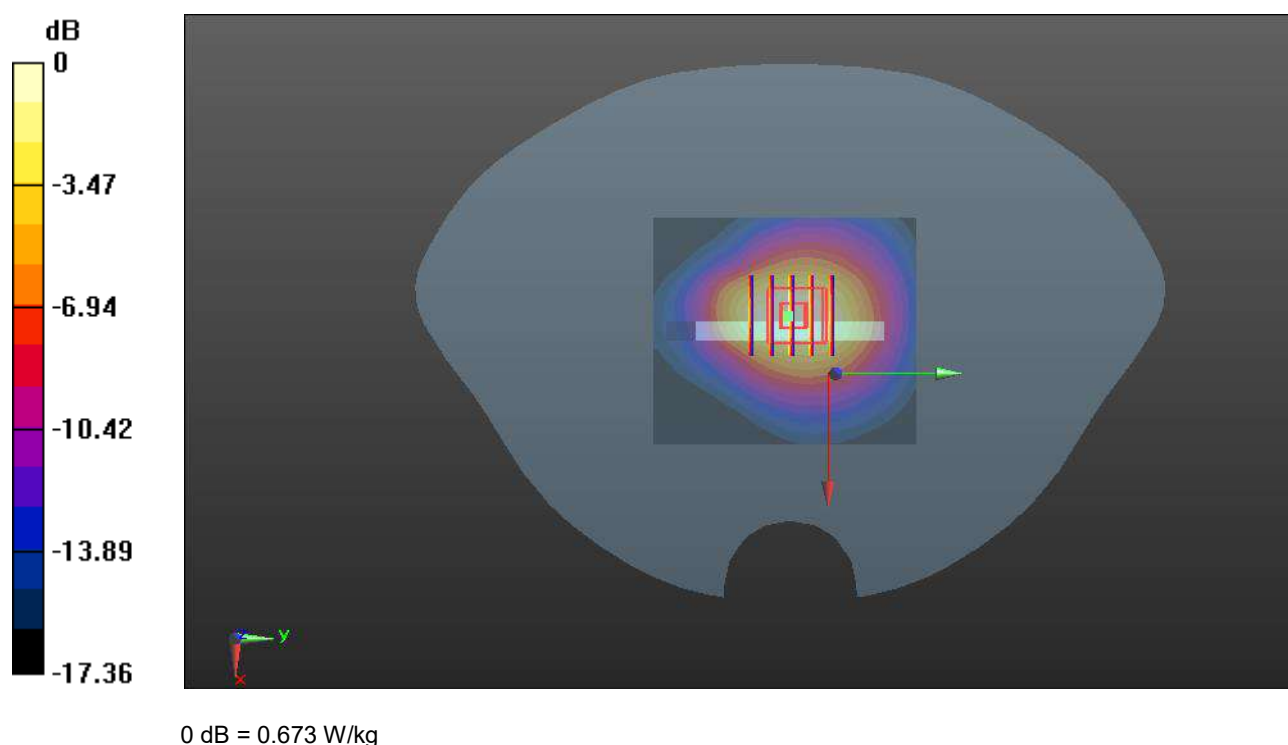
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 21.25 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.355 W/kg

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



Meas.10 Right Head with Tilt on High Channel WCDMA Band4 with Antenna 1

Date: 2023.06.25

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

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.382$ S/m; $\epsilon_r = 40.145$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.848 W/kg

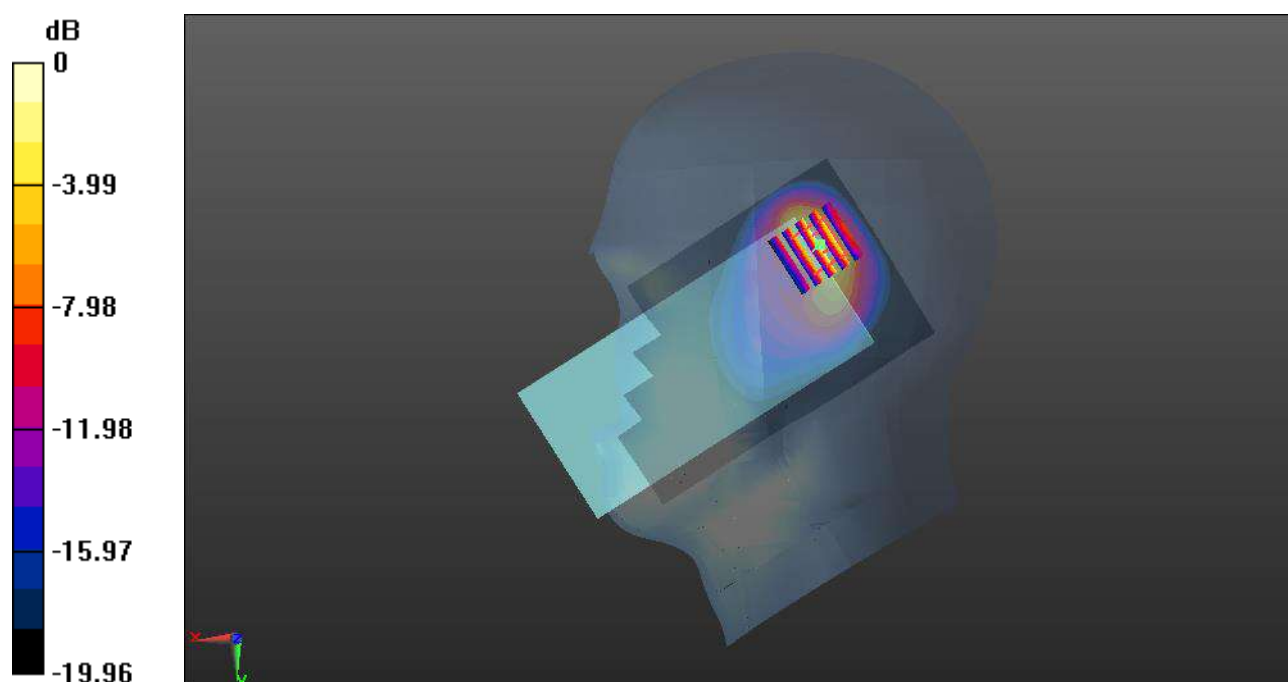
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.57 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.723 W/kg; SAR(10 g) = 0.326 W/kg

Maximum value of SAR (measured) = 0.891 W/kg



0 dB = 0.891 W/kg

Meas.11 Body Plane with Back Side 15mm on Low Channel in WCDMA Band4 with Antenna 0

Date: 2023.06.25

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

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.341$ S/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.272 W/kg

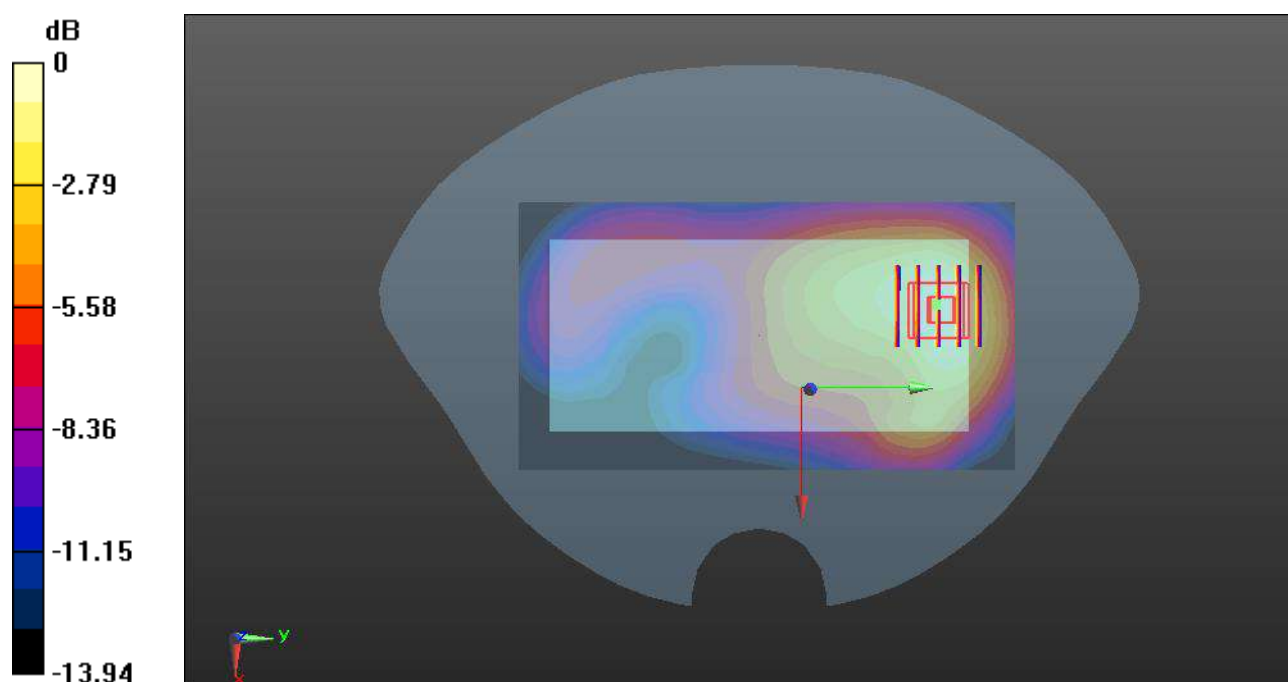
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.335 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.372 W/kg

SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.159 W/kg

Maximum value of SAR (measured) = 0.267 W/kg



0 dB = 0.267 W/kg

Meas.12 Body Plane with Bottom Edge 10mm on Low Channel in WCDMA Band4 mode with Antenna 0

Date: 2023.06.25

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

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.341$ S/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (61x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.697 W/kg

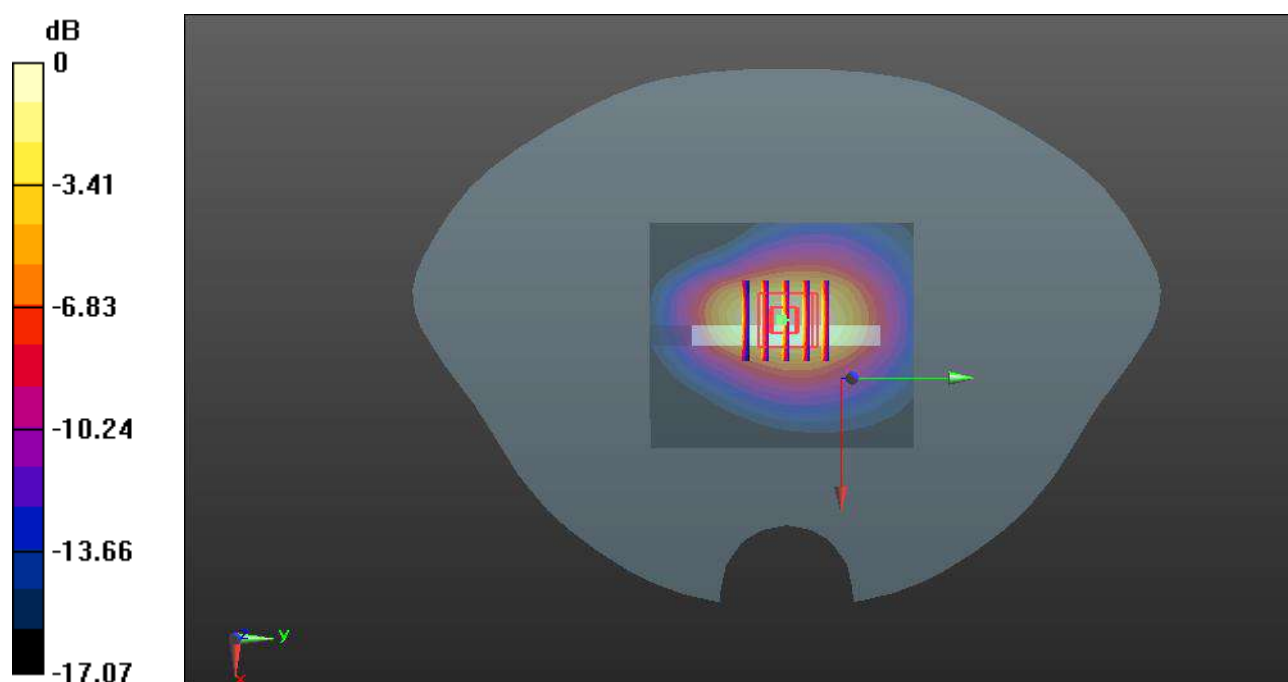
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 20.88 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.945 W/kg

SAR(1 g) = 0.582 W/kg; SAR(10 g) = 0.333 W/kg

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



0 dB = 0.645 W/kg

Meas.13 Body Plane with Bottom Edge 0mm on Low Channel in WCDMA Band4 mode with Antenna 0

Date: 2023.06.25

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

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.341$ S/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.03 W/kg

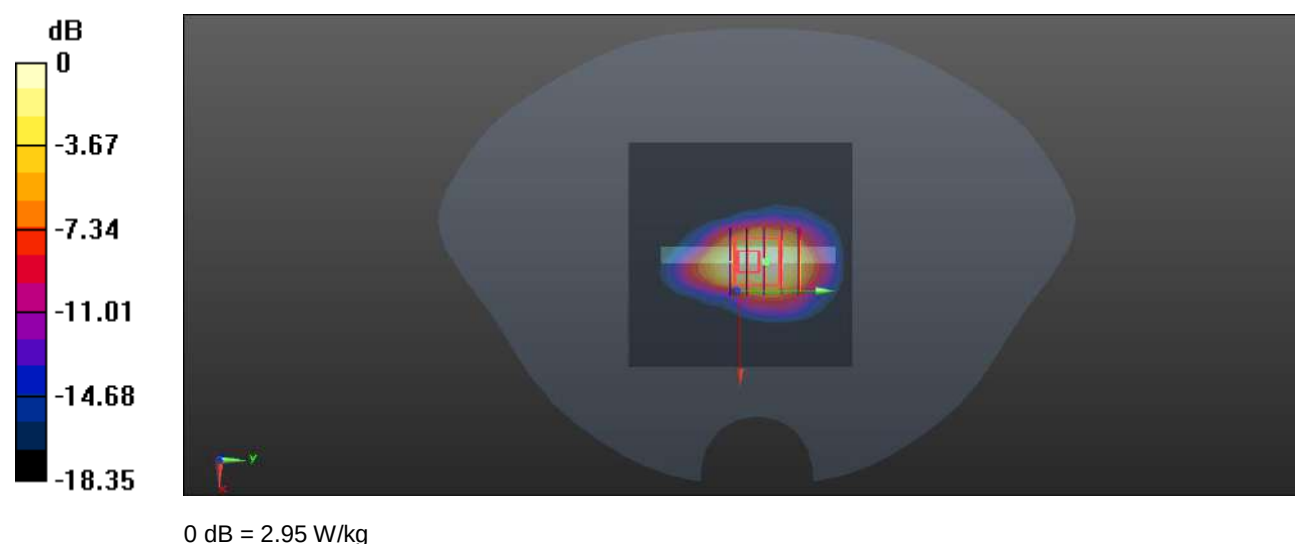
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.21 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 5.21 W/kg

SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.31 W/kg

Maximum value of SAR (measured) = 2.95 W/kg



Meas.14 Right Head with Cheek on Low Channel WCDMA Band5 with Antenna 1

Date: 2023.06.21

Communication System Band: Band 5; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.878$ S/m; $\epsilon_r = 42.012$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.814 W/kg

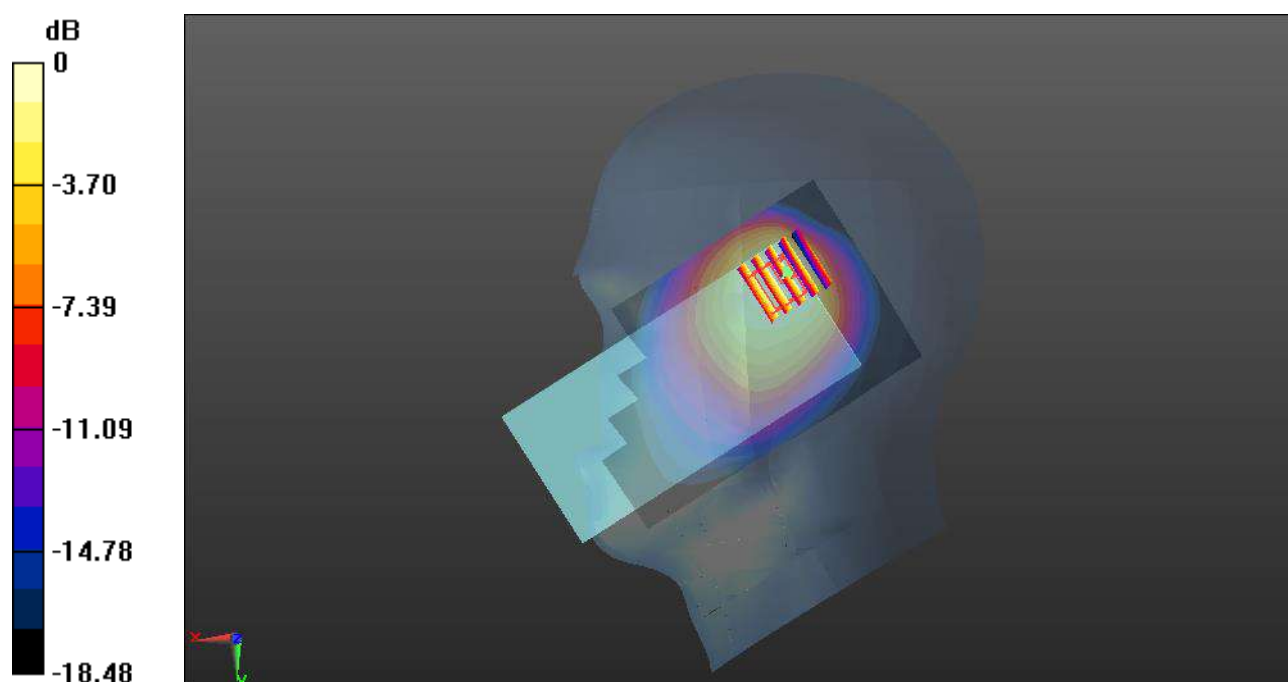
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.95 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.384 W/kg

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



0 dB = 0.646 W/kg

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

Date: 2023.06.21

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.886$ S/m; $\epsilon_r = 41.743$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.175 W/kg

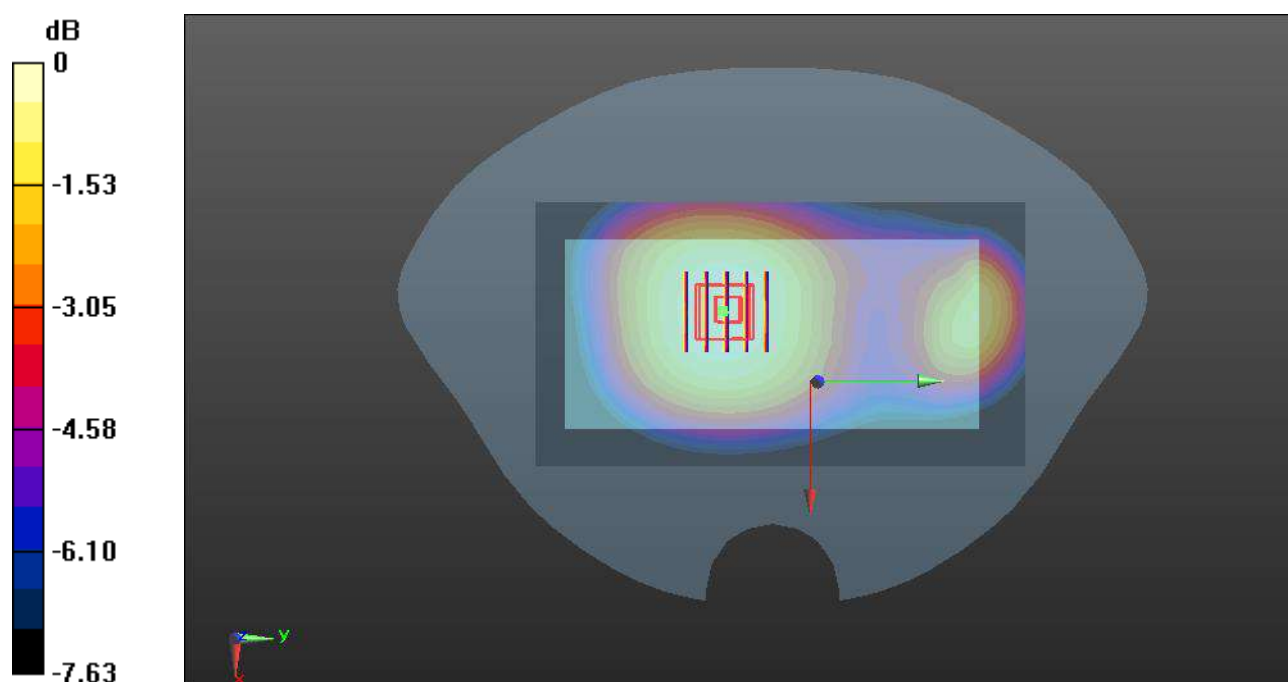
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.62 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.207 W/kg

SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.128 W/kg

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



0 dB = 0.174 W/kg

Meas.16 Body Plane with Back Side 10mm on Middle Channel in WCDMA Band5 with Antenna 0

Date: 2023.06.21

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.886$ S/m; $\epsilon_r = 41.743$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.285 W/kg

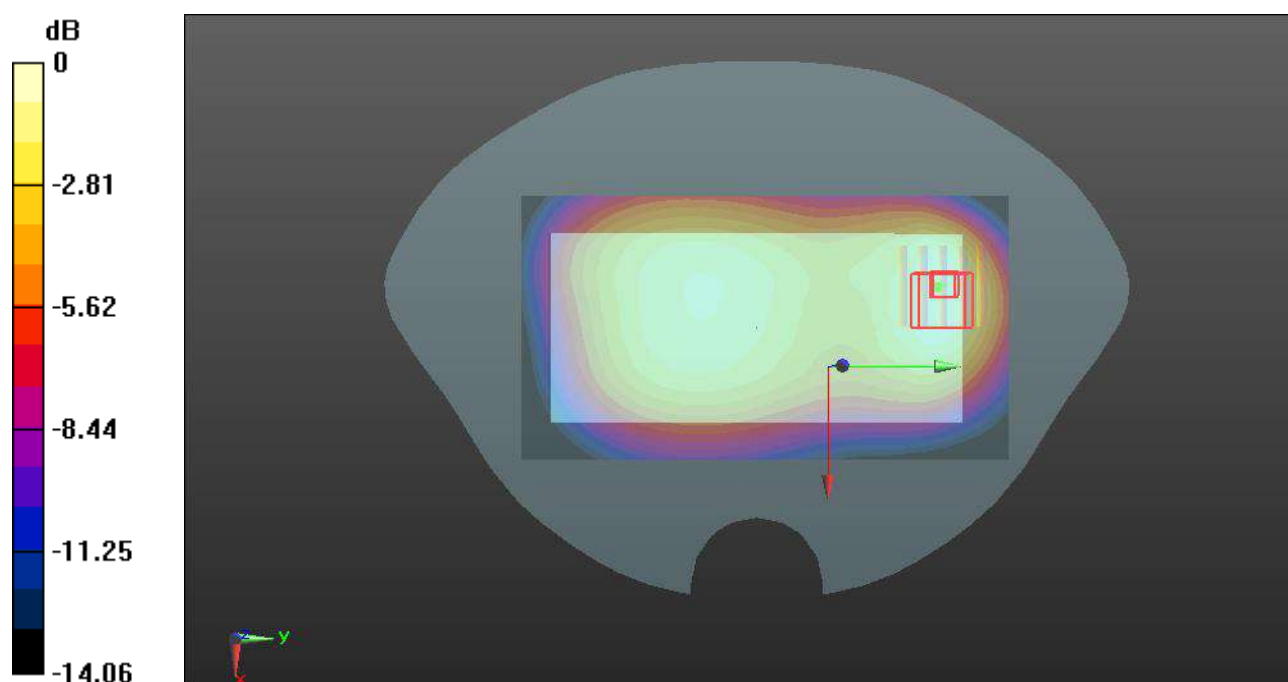
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.69 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.465 W/kg

SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.168 W/kg

Maximum value of SAR (measured) = 0.279 W/kg



0 dB = 0.279 W/kg

Meas.17 Right Head with Tilt on Low Channel LTE Band2 with Antenna 1

Date: 2023.06.29

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

Medium parameters used (interpolated): $f = 1860$ MHz; $\sigma = 1.379$ S/m; $\epsilon_r = 40.325$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 21.9°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 1.19 W/kg

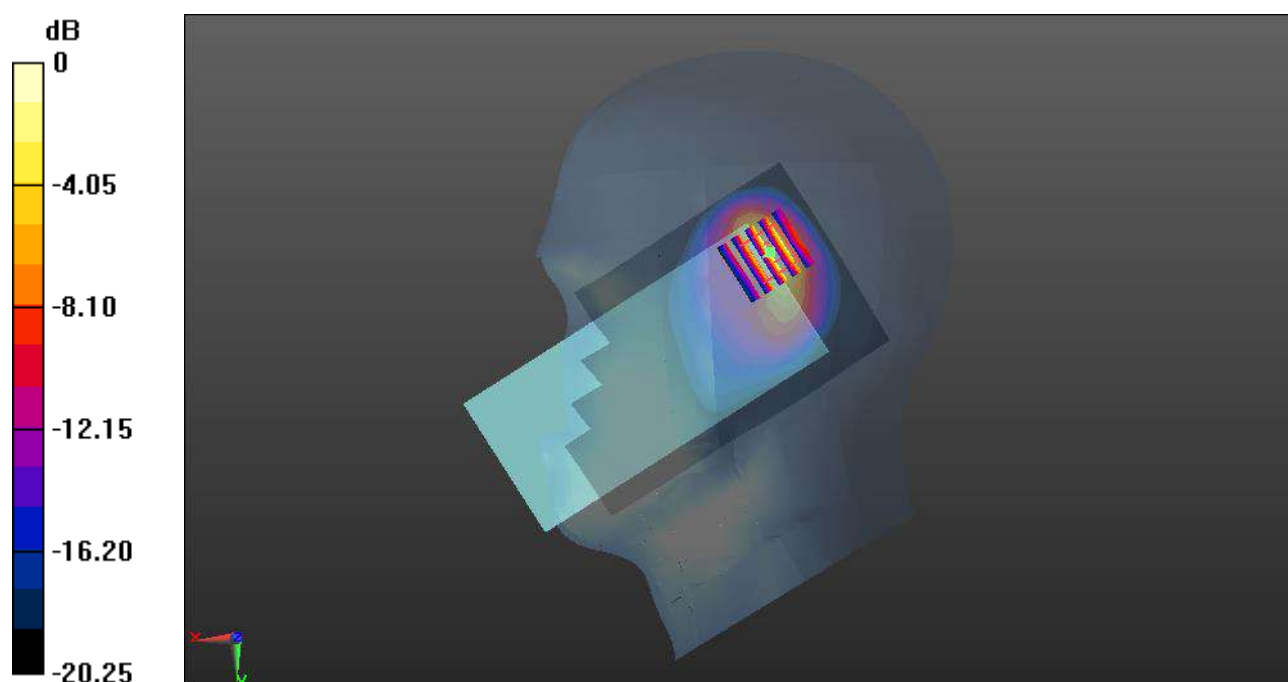
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.57 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 0.986 W/kg; SAR(10 g) = 0.432 W/kg

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg

Meas.18 Body Plane with Back Side 15mm on High Channel in LTE Band2 with Antenna 0

Date: 2023.06.29

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

Medium parameters used (interpolated): $f = 1900$ MHz; $\sigma = 1.399$ S/m; $\epsilon_r = 39.835$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 21.9°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.260 W/kg

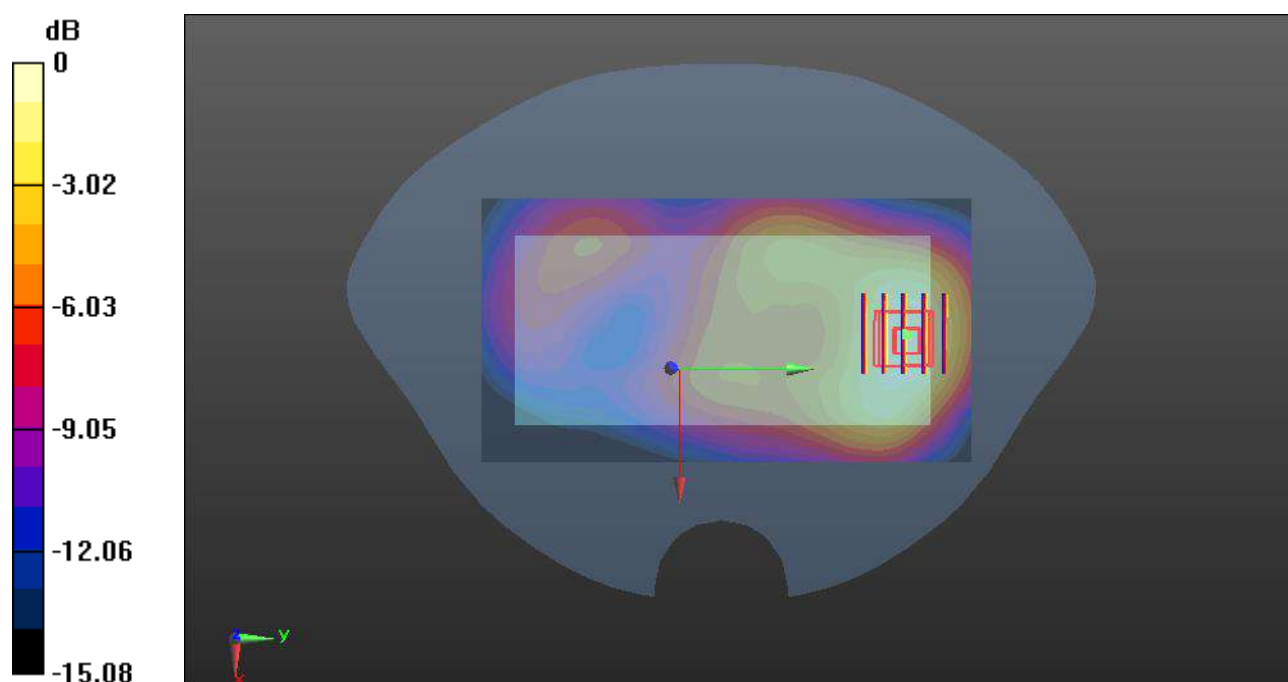
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.290 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.382 W/kg

SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.150 W/kg

Maximum value of SAR (measured) = 0.261 W/kg



0 dB = 0.261 W/kg

Meas.19 Body Plane with Bottom Edge 10mm on High Channel in LTE B2 mode with Antenna 0

Date: 2023.06.29

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

Medium parameters used (interpolated): $f = 1900$ MHz; $\sigma = 1.399$ S/m; $\epsilon_r = 39.835$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 21.9°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.683 W/kg

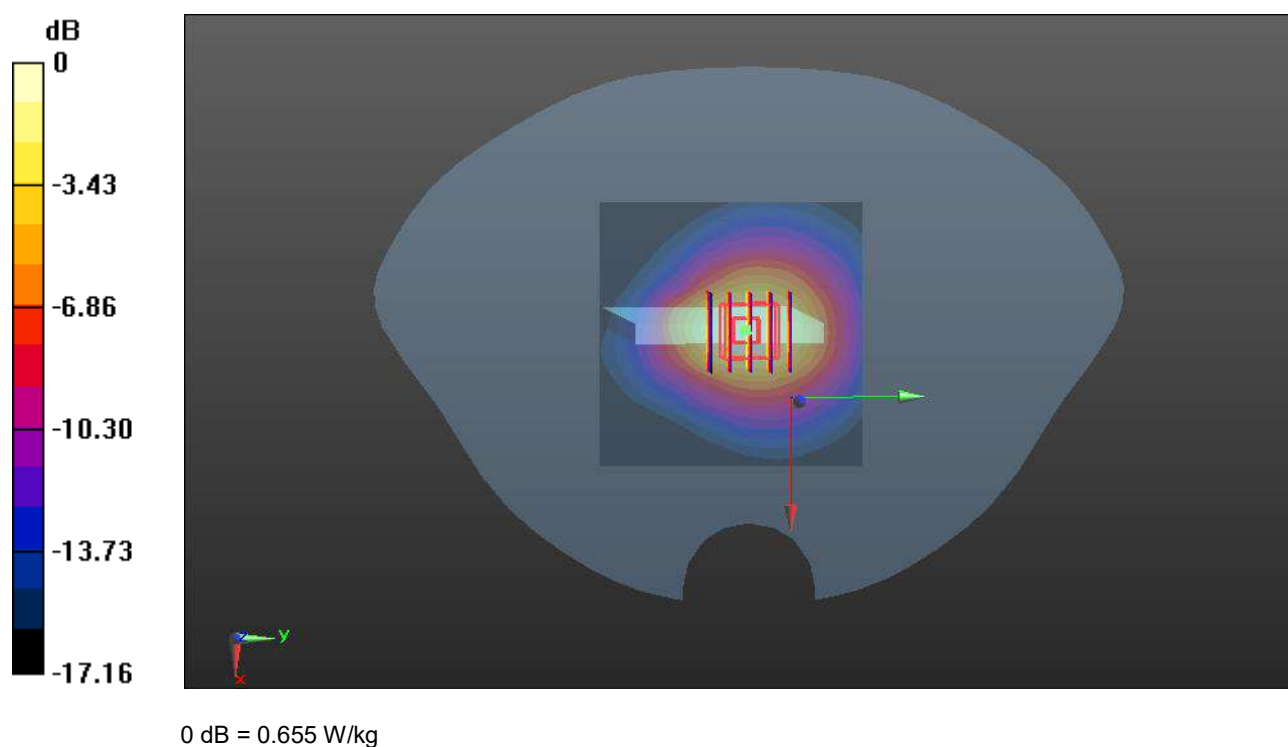
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 21.54 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.988 W/kg

SAR(1 g) = 0.598 W/kg; SAR(10 g) = 0.346 W/kg

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



Meas.20 Right Head with Tilt on High Channel LTE Band4 with Antenna 1

Date: 2023.06.25

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.373$ S/m; $\epsilon_r = 40.284$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 1.02 W/kg

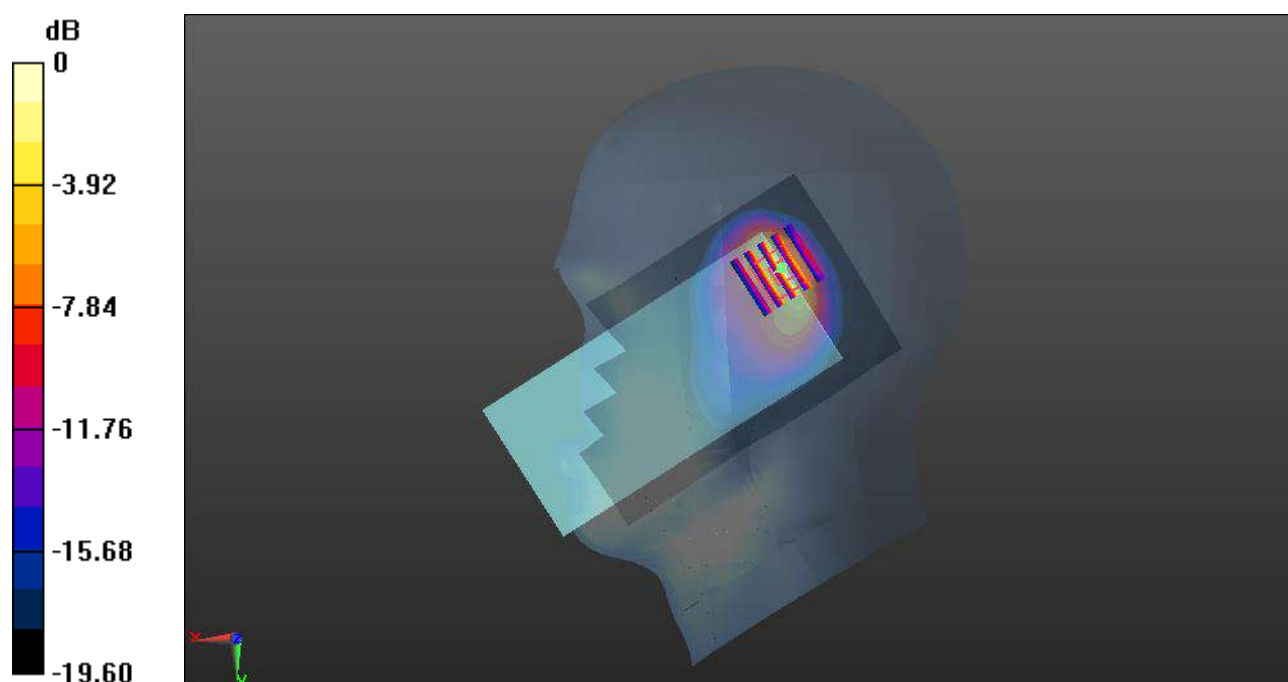
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.61 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.865 W/kg; SAR(10 g) = 0.388 W/kg

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



0 dB = 1.05 W/kg

Meas.21 Body Plane with Back Side 15mm on Middle Channel in LTE Band4 with Antenna 0

Date: 2023.06.25

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.362$ S/m; $\epsilon_r = 40.446$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

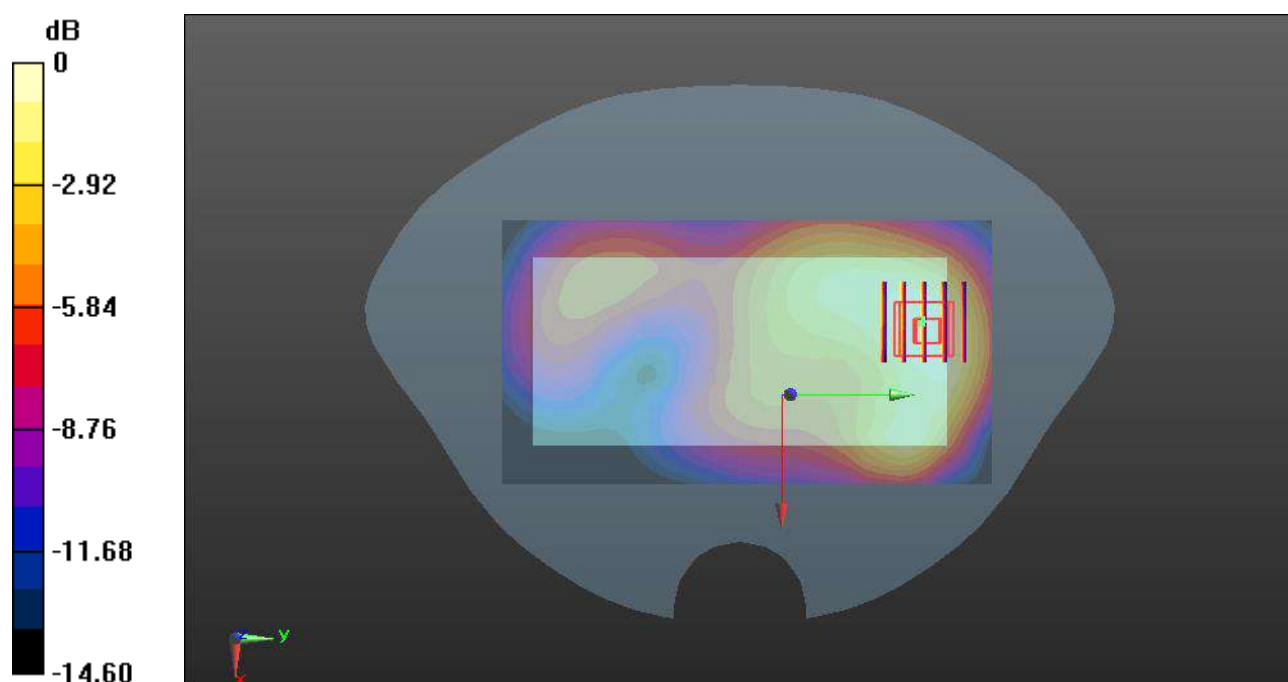
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.995 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.313 W/kg

SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.134 W/kg

Maximum value of SAR (measured) = 0.221 W/kg



Meas.22 Body Plane with Bottom Edge 10mm on Middle Channel in LTE B4 mode with Antenna 0

Date: 2023.06.25

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.362$ S/m; $\epsilon_r = 40.446$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

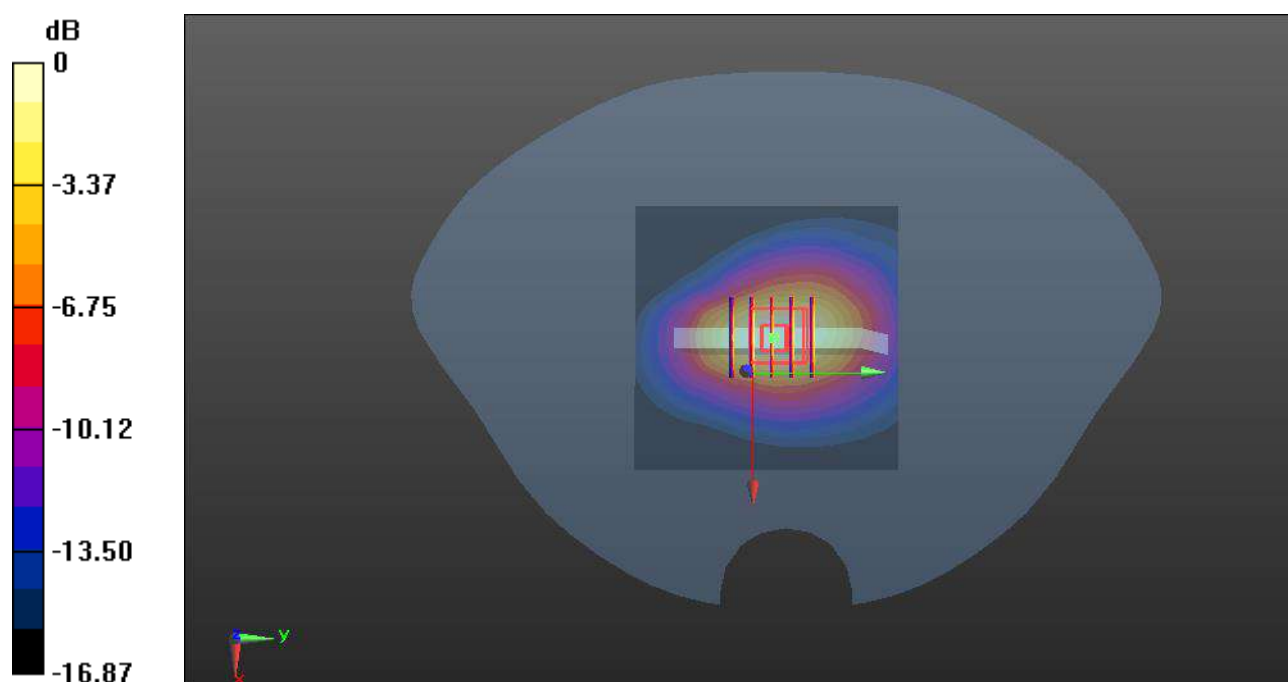
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.30 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.865 W/kg

SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.308 W/kg

Maximum value of SAR (measured) = 0.594 W/kg



0 dB = 0.594 W/kg

Meas.23 Body Plane with Bottom Edge 0mm on Middle Channel in LTE Band4 mode with Antenna 0

Date: 2023.06.25

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.362$ S/m; $\epsilon_r = 40.446$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.62 W/kg

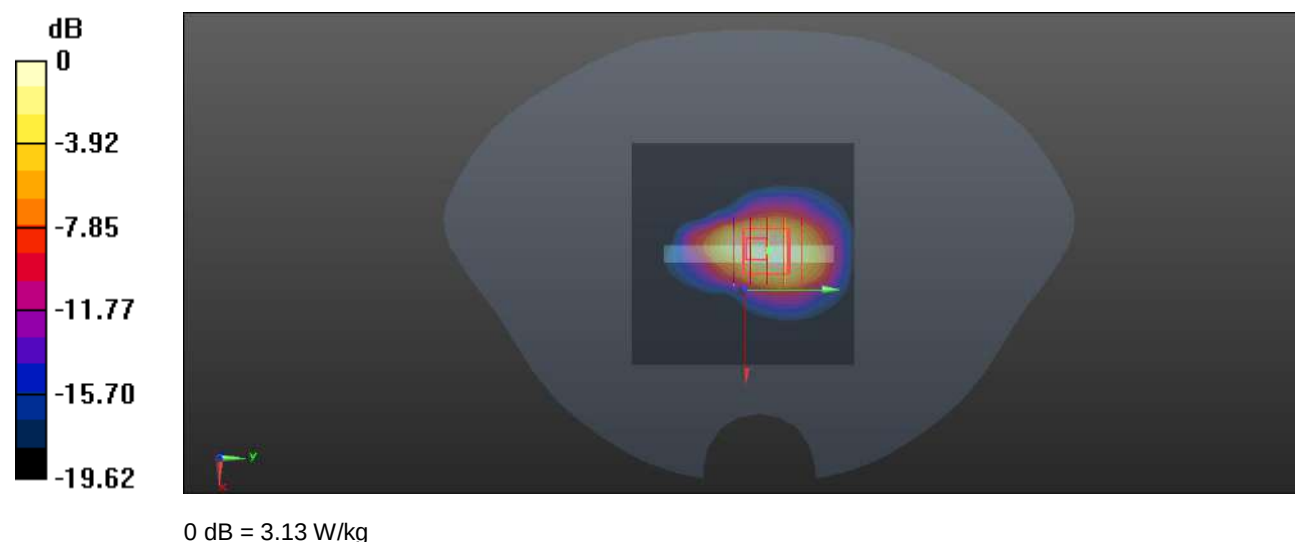
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 47.12 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 6.06 W/kg

SAR(1 g) = 2.77 W/kg; SAR(10 g) = 1.43 W/kg

Maximum value of SAR (measured) = 3.13 W/kg



Meas.24 Right Head with Cheek on Middle Channel LTE Band5 with Antenna 1

Date: 2023.06.22

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

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.935$ S/m; $\epsilon_r = 40.874$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.725 W/kg

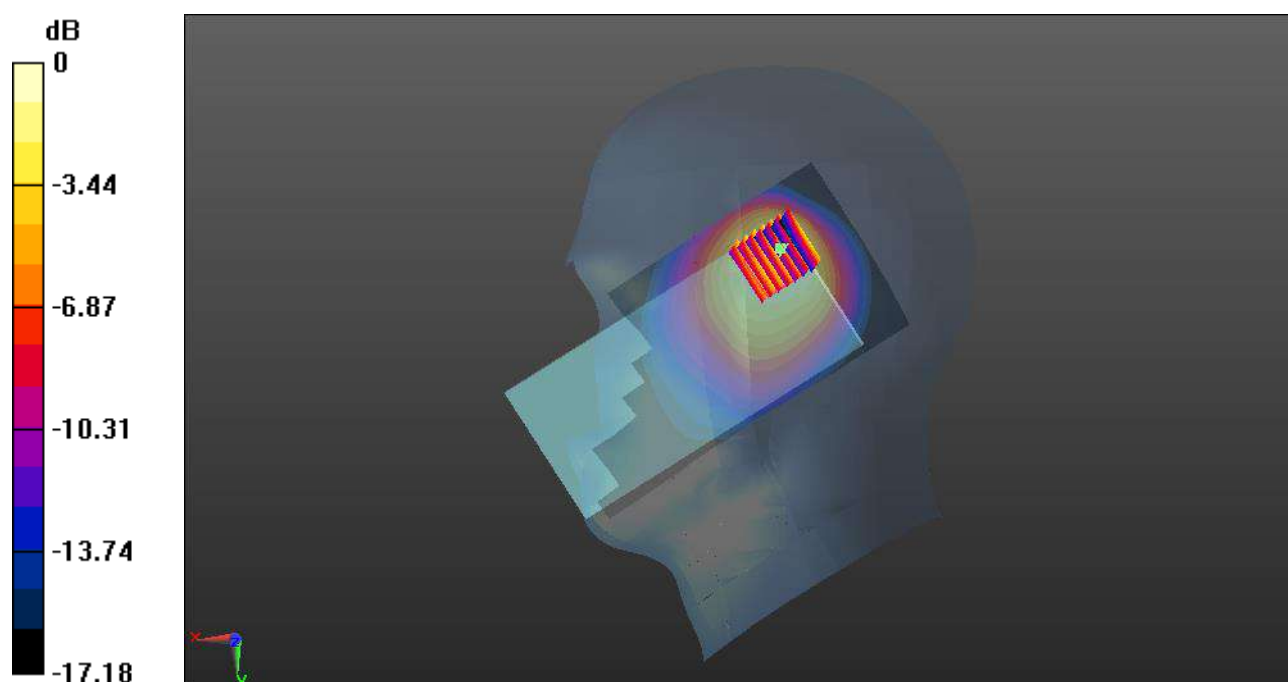
Ch20525/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 20.31 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.621 W/kg; SAR(10 g) = 0.392 W/kg

Maximum value of SAR (measured) = 0.668 W/kg



0 dB = 0.668 W/kg

Meas.25 Body Plane with Back Side 15mm on Middle Channel in LTE Band5 with Antenna 0

Date: 2023.06.22

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

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.935$ S/m; $\epsilon_r = 40.874$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.198 W/kg

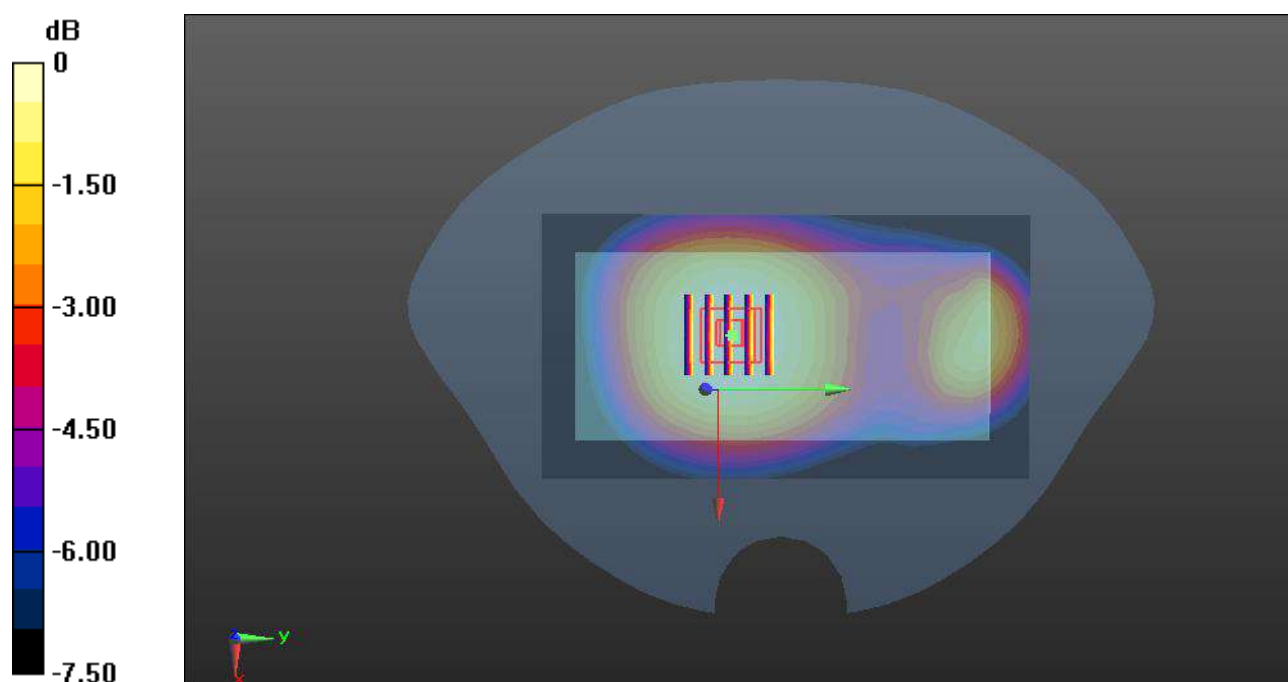
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.63 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.226 W/kg

SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.141 W/kg

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



0 dB = 0.191 W/kg

Meas.26 Body Plane with Back Side 10mm on Middle Channel in LTE Band5 with Antenna 0

Date: 2023.06.22

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

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.935$ S/m; $\epsilon_r = 40.874$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.293 W/kg

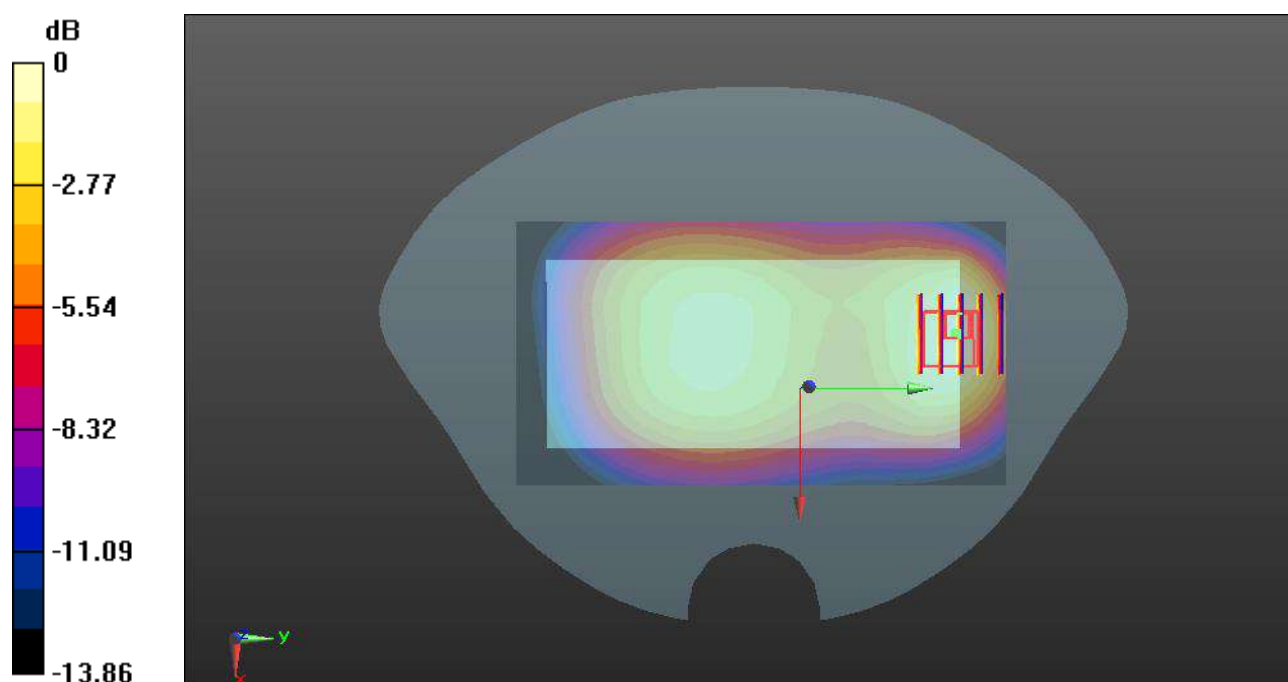
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.57 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 0.292 W/kg



0 dB = 0.292 W/kg

Meas.27 Right Head with Cheek on Middle Channel LTE Band7 with Antenna 1

Date: 2023.07.02

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.901$ S/m; $\epsilon_r = 39.074$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.904 W/kg

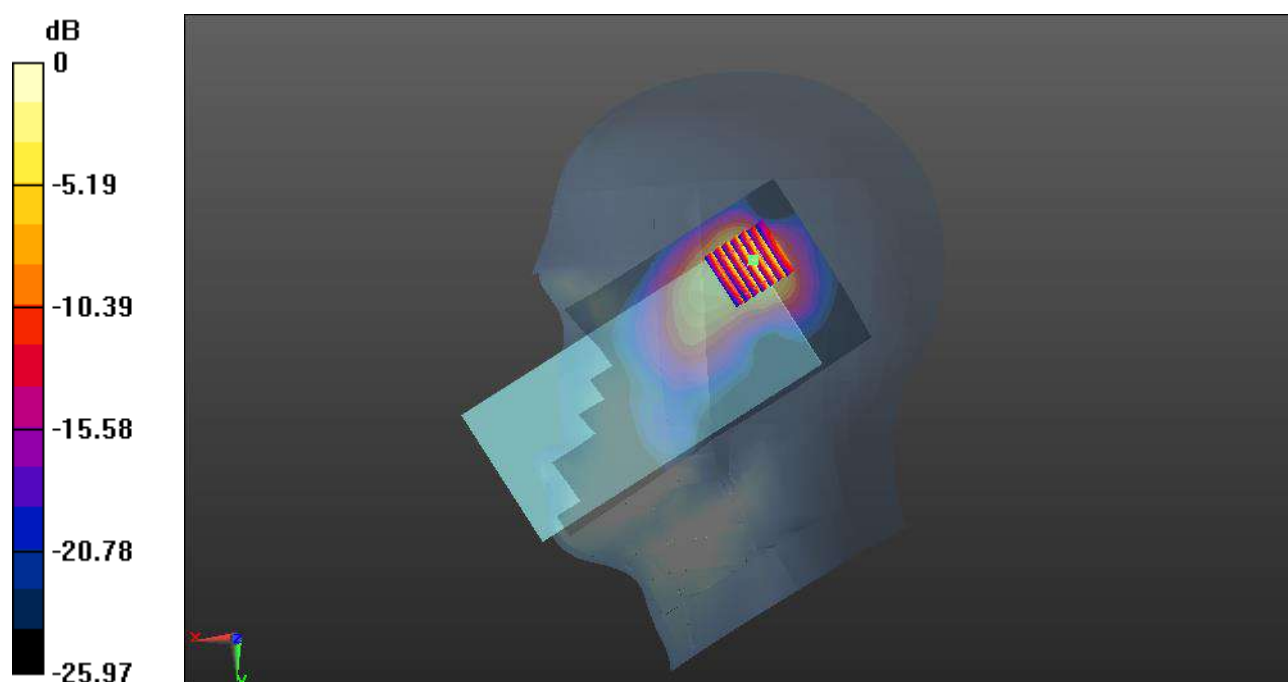
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.933 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.88 W/kg

SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.414 W/kg

Maximum value of SAR (measured) = 0.893 W/kg



0 dB = 0.893 W/kg

Meas.28 Body Plane with Back Side 15mm on Middle Channel in LTE Band7 mode with Antenna 0

Date: 2023.07.02

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.901$ S/m; $\epsilon_r = 39.074$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.240 W/kg

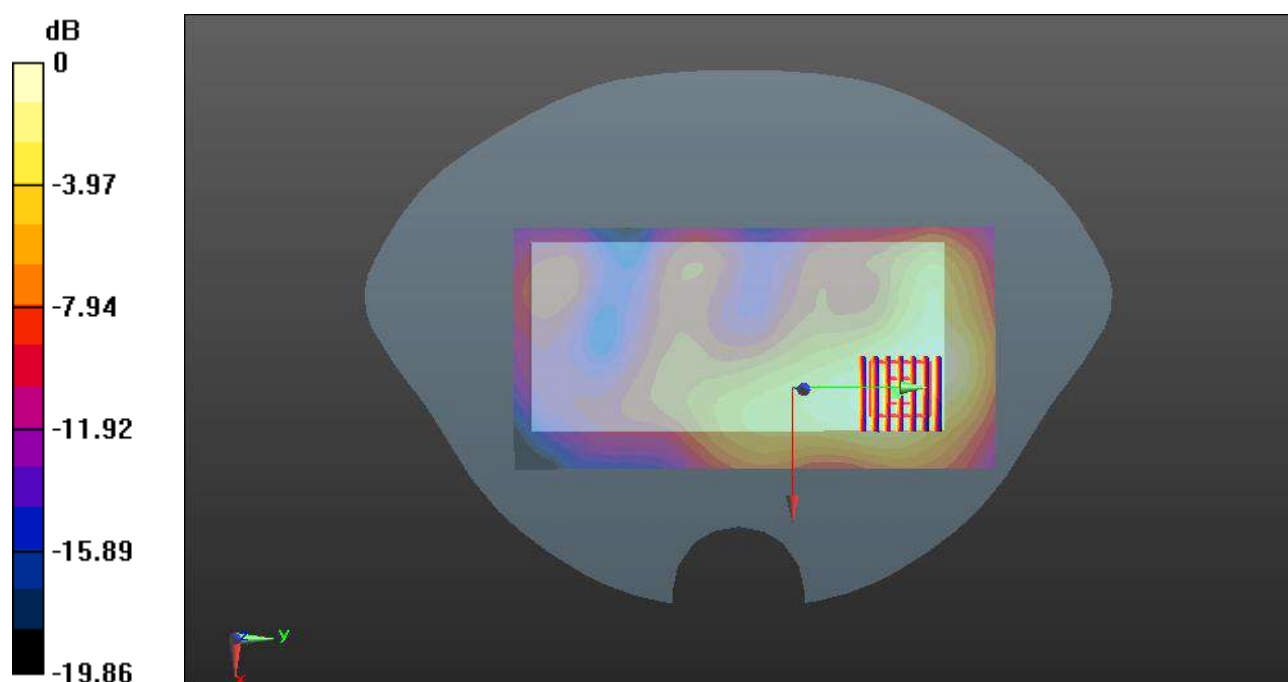
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.297 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.386 W/kg

SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.239 W/kg



0 dB = 0.239 W/kg

Meas.29 Body Plane with Top Edge 10mm on Middle Channel in LTE Band7 mode with Antenna 1

Date: 2023.07.02

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.901$ S/m; $\epsilon_r = 39.074$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.679 W/kg

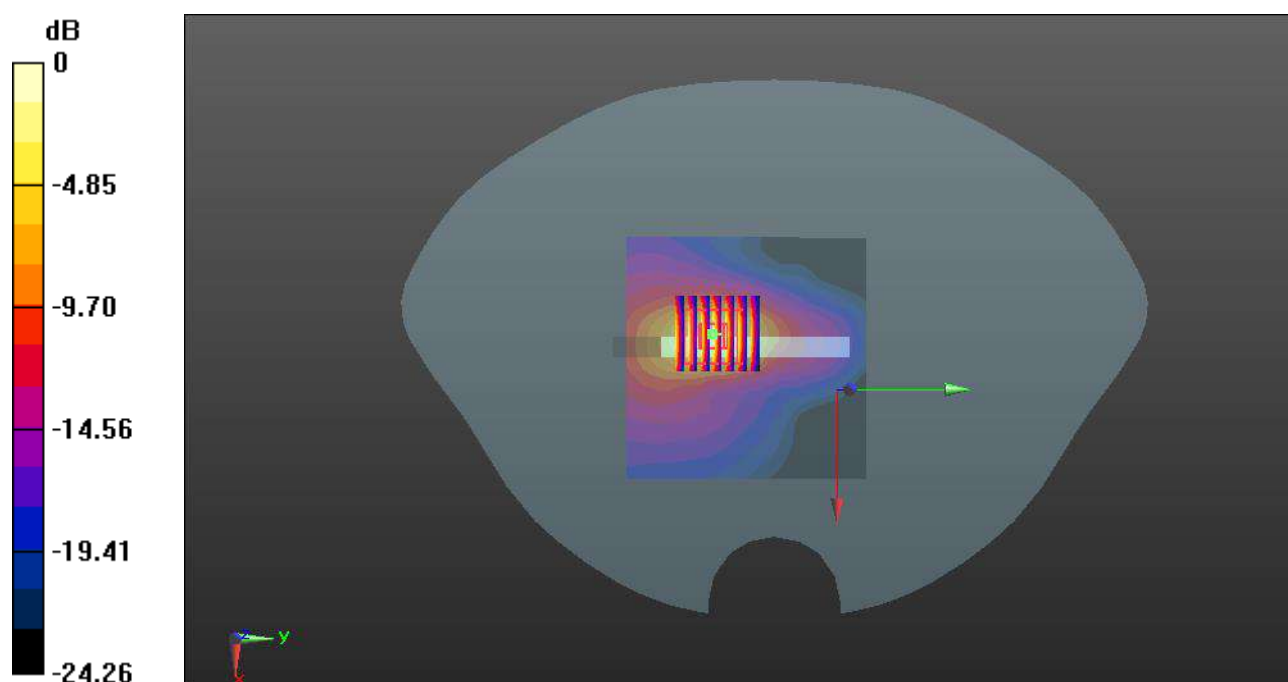
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.495 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.605 W/kg; SAR(10 g) = 0.250 W/kg

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



0 dB = 0.710 W/kg

Meas.30 Body Plane with Top Edge 0mm on Middle Channel in LTE Band7 mode with Antenna 1

Date: 2023.07.02

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.901$ S/m; $\epsilon_r = 39.074$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

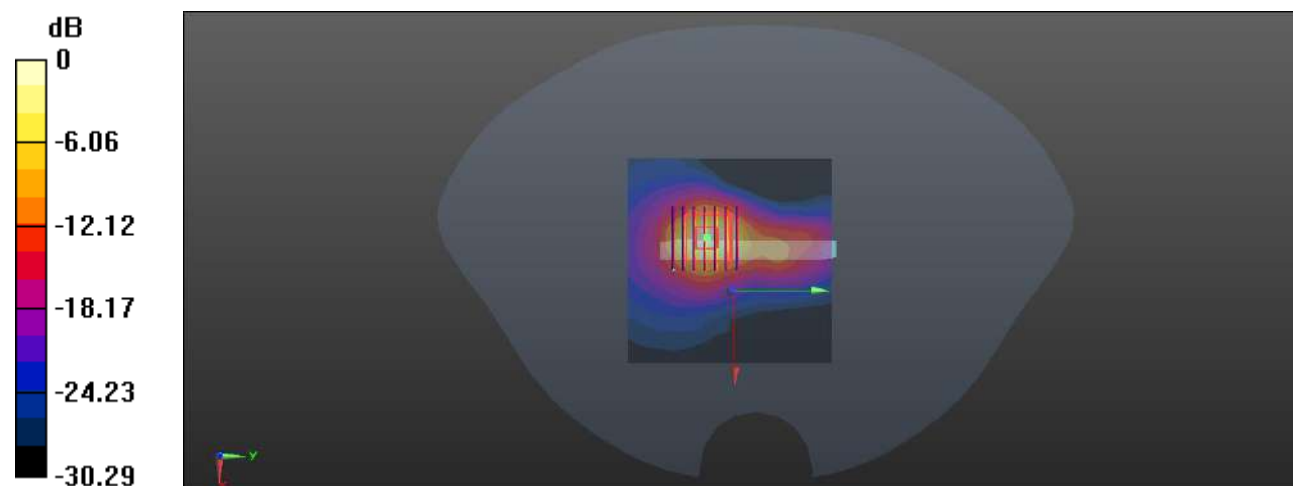
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.86 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 14.4 W/kg

SAR(1 g) = 3.71 W/kg; SAR(10 g) = 1.14 W/kg

Maximum value of SAR (measured) = 4.79 W/kg



0 dB = 4.79 W/kg

Meas.31 Right Head with Cheek on Middle Channel LTE Band12 with Antenna 1

Date: 2023.06.16

Communication System Band: Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 42.513$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

Ch23095/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.486 W/kg

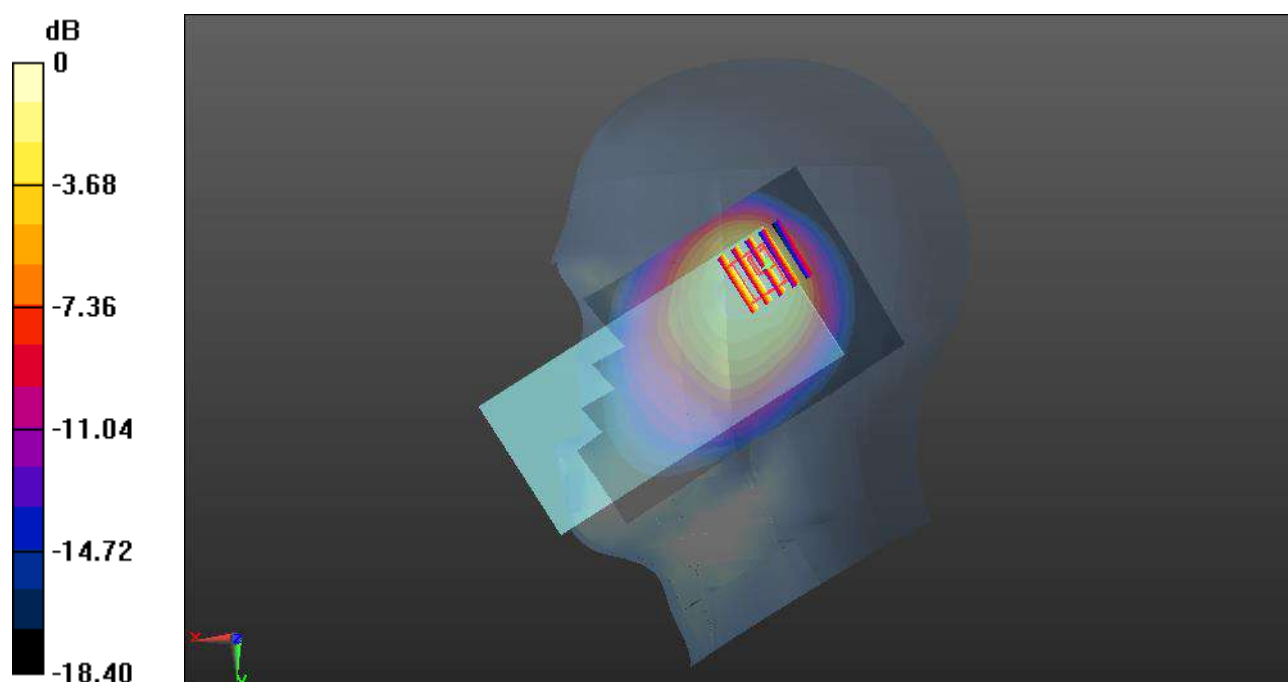
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.92 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.267 W/kg

Maximum value of SAR (measured) = 0.490 W/kg



0 dB = 0.490 W/kg

Meas.32 Body Plane with Back Side 15mm on Middle Channel in LTE Band12 with Antenna 0

Date: 2023.06.16

Communication System Band: Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 42.513$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

Ch23095/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.180 W/kg

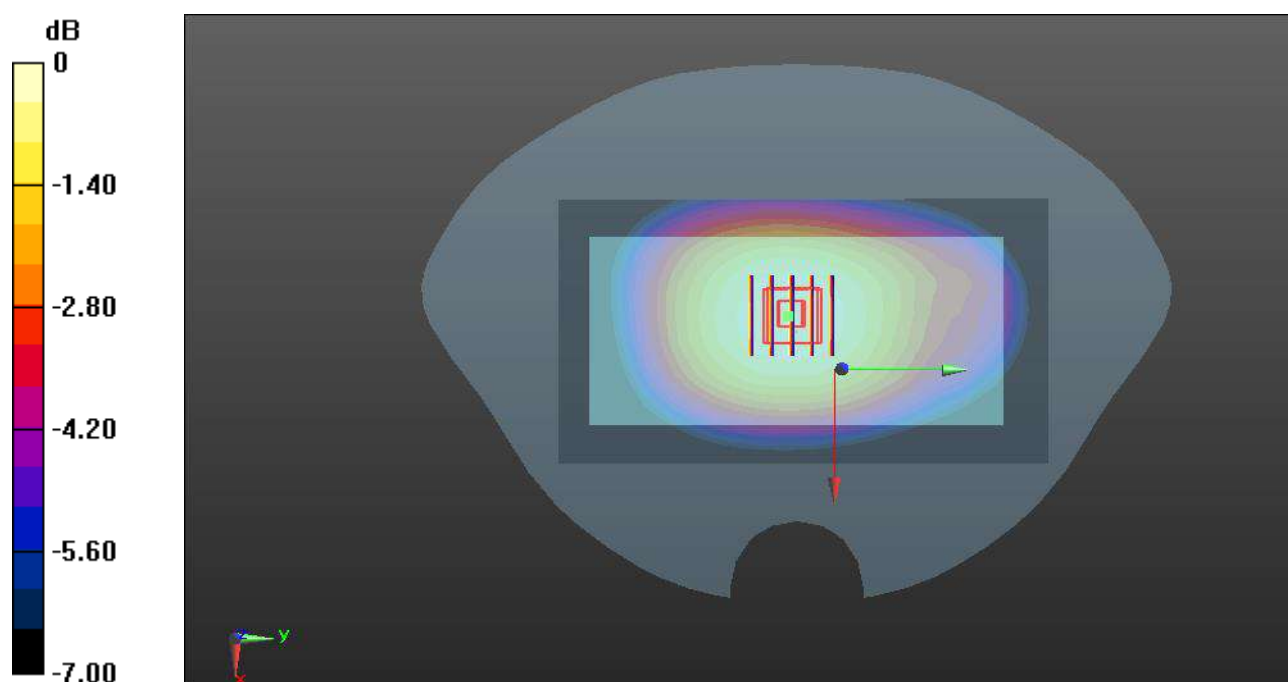
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.32 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.210 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.134 W/kg

Maximum value of SAR (measured) = 0.179 W/kg



0 dB = 0.179 W/kg

Meas.33 Body Plane with Back Side 10mm on Middle Channel in LTE Band12 with Antenna 0

Date: 2023.06.16

Communication System Band: Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 42.513$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

Ch23095/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.181 W/kg

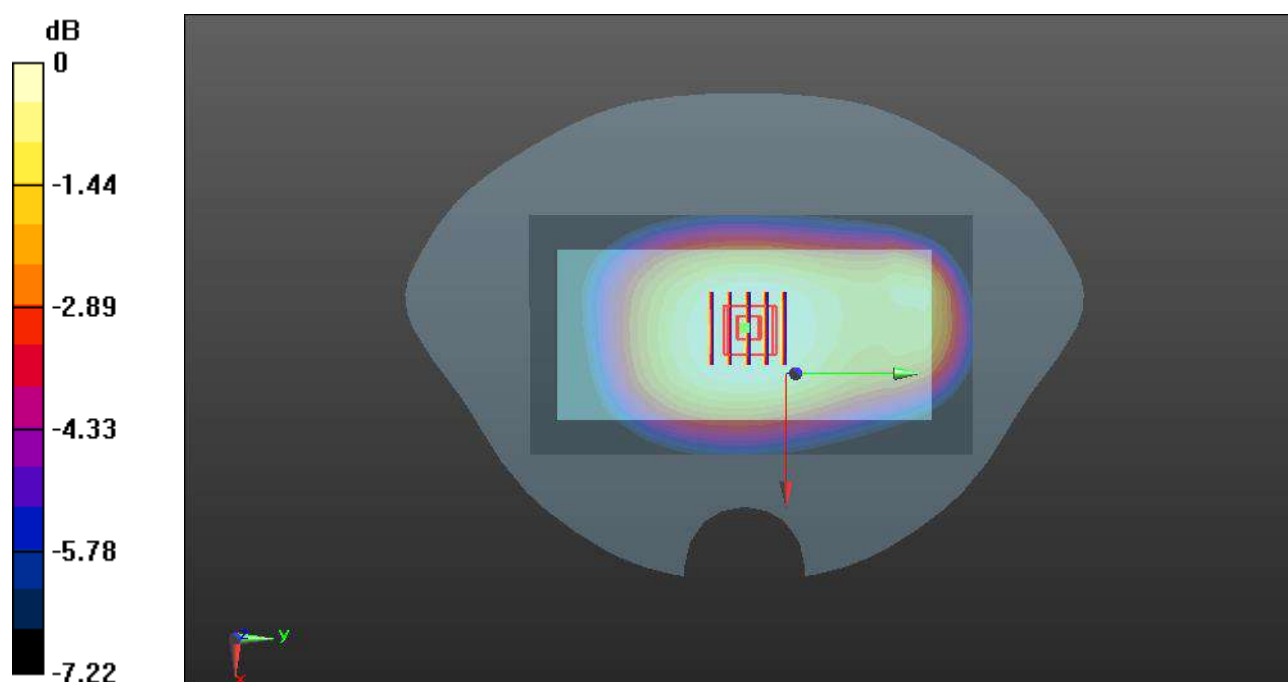
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.80 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.197 W/kg

SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.127 W/kg

Maximum value of SAR (measured) = 0.169 W/kg



0 dB = 0.169 W/kg

Meas.34 Right Head with Cheek on Middle Channel LTE Band13 with Antenna 1

Date: 2023.06.16

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

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.915 \text{ S/m}$; $\epsilon_r = 41.112$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

Ch23230/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.607 W/kg

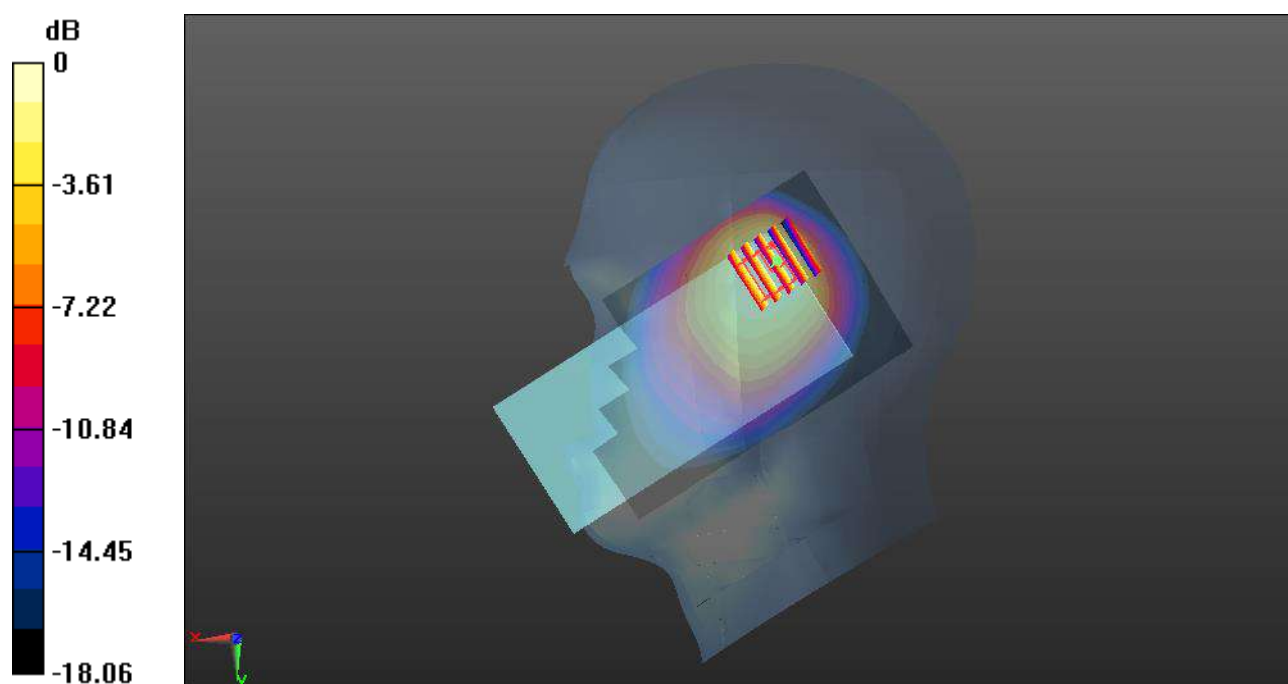
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.97 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.957 W/kg

SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.293 W/kg

Maximum value of SAR (measured) = 0.519 W/kg



0 dB = 0.519 W/kg

Meas.35 Body Plane with Back Side 15mm on Middle Channel in LTE Band13 with Antenna 0

Date: 2023.06.16

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

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.915 \text{ S/m}$; $\epsilon_r = 41.112$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

Ch23230/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

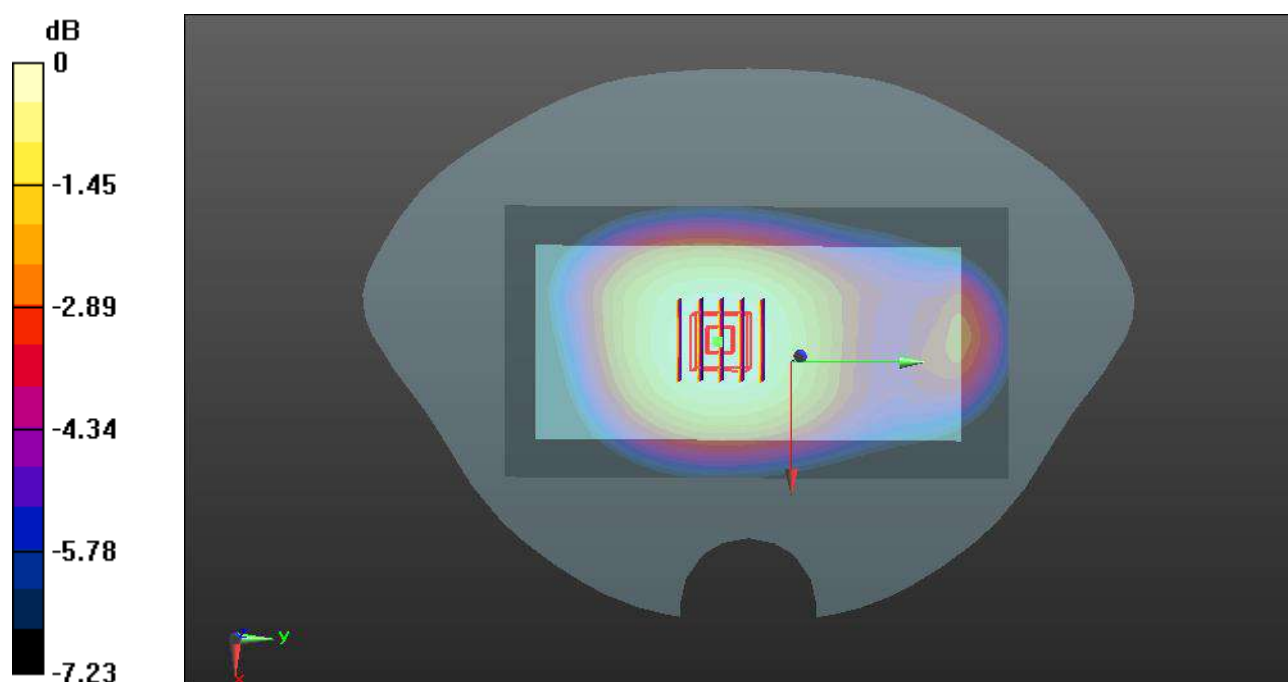
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.30 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.164 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.104 W/kg

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



0 dB = 0.140 W/kg

Meas.36 Body Plane with Back Side 10mm on Middle Channel in LTE Band13 with Antenna 0

Date: 2023.06.16

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

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.915 \text{ S/m}$; $\epsilon_r = 41.112$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

Ch23230/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.407 W/kg

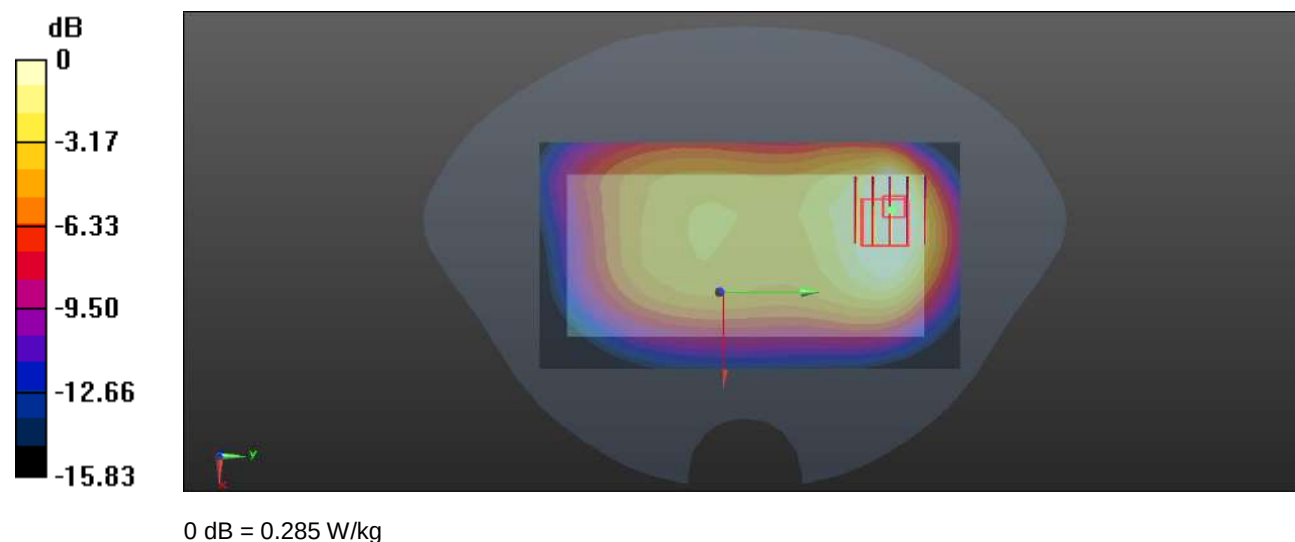
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.29 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.508 W/kg

SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.153 W/kg

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



Meas.37 Right Head with Cheek on Low Channel LTE Band17 with Antenna 1

Date: 2023.06.16

Communication System Band: Band 17; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709 \text{ MHz}$; $\sigma = 0.885 \text{ S/m}$; $\epsilon_r = 42.442$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

Ch23780/Area Scan (81x161x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 0.585 W/kg

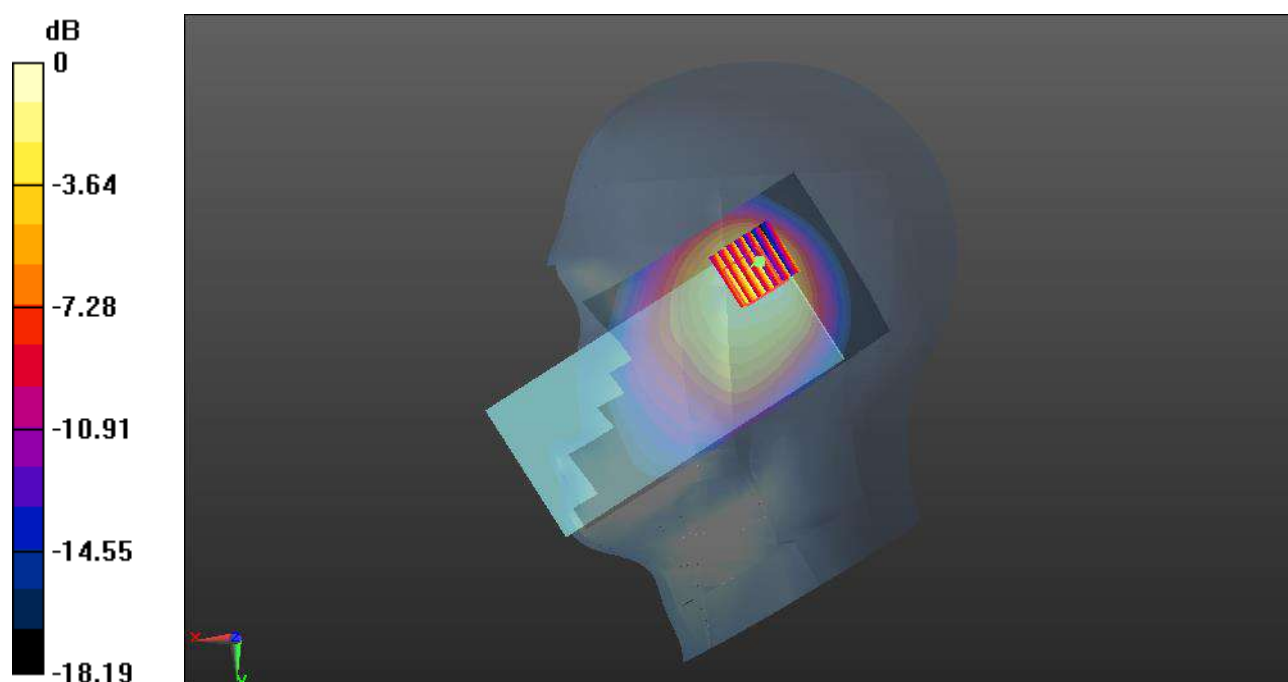
Ch23780/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.21 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.263 W/kg

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



0 dB = 0.472 W/kg

Meas.38 Body Plane with Back Side 15mm on Low Channel in LTE Band17 with Antenna 0

Date: 2023.06.16

Communication System Band: Band 17; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709 \text{ MHz}$; $\sigma = 0.885 \text{ S/m}$; $\epsilon_r = 42.442$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

Ch23780/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.183 W/kg

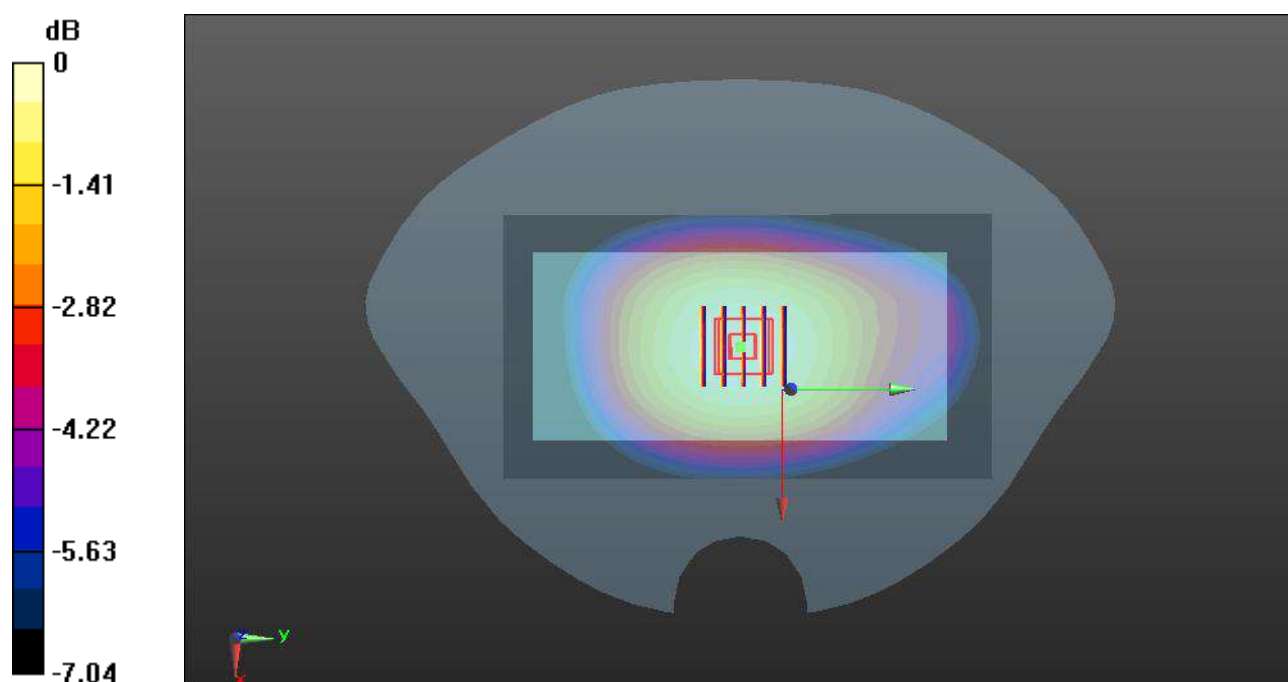
Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.73 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.214 W/kg

SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.138 W/kg

Maximum value of SAR (measured) = 0.184 W/kg



0 dB = 0.184 W/kg

Meas.39 Body Plane with Back Side 10mm on Low Channel in LTE Band17 with Antenna 0

Date: 2023.06.16

Communication System Band: Band 17; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 709 \text{ MHz}$; $\sigma = 0.885 \text{ S/m}$; $\epsilon_r = 42.442$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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)

Ch23780/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

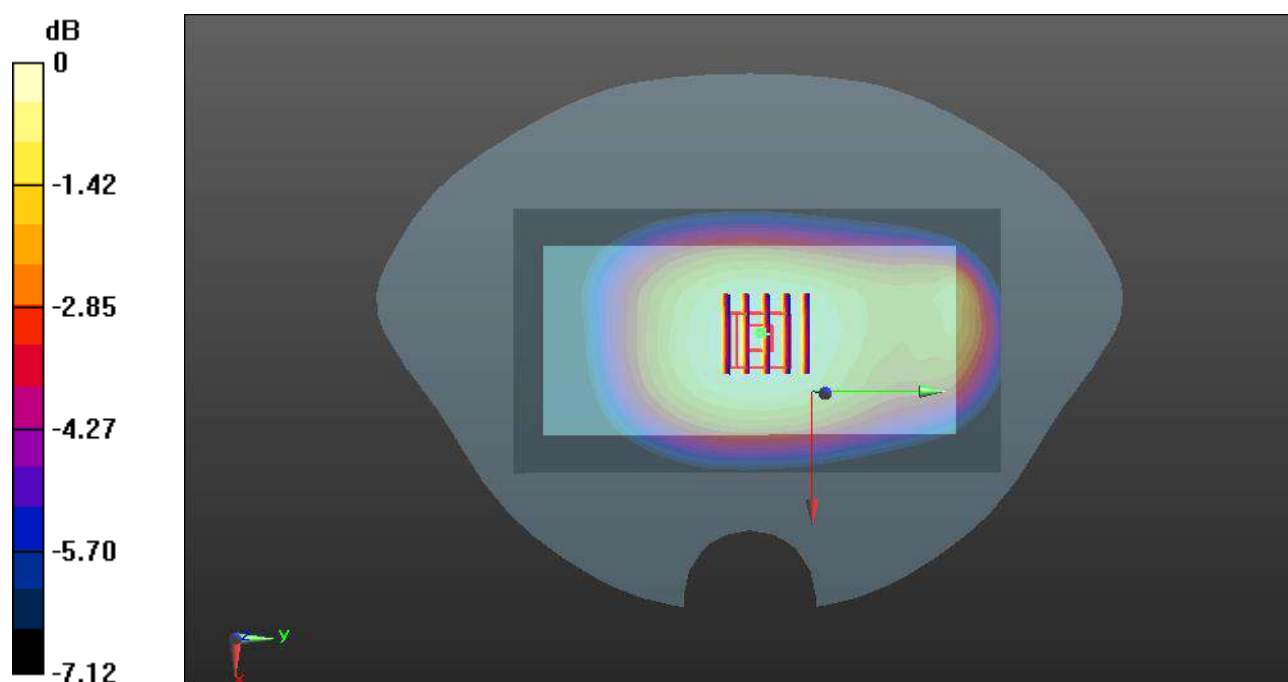
Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.75 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.145 W/kg

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



0 dB = 0.192 W/kg

Meas.40 Right Head with Cheek on High Channel LTE Band26 with Antenna 1

Date: 2023.06.22

Communication System Band: Band 26; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.941$ S/m; $\epsilon_r = 40.741$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26965/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.702 W/kg

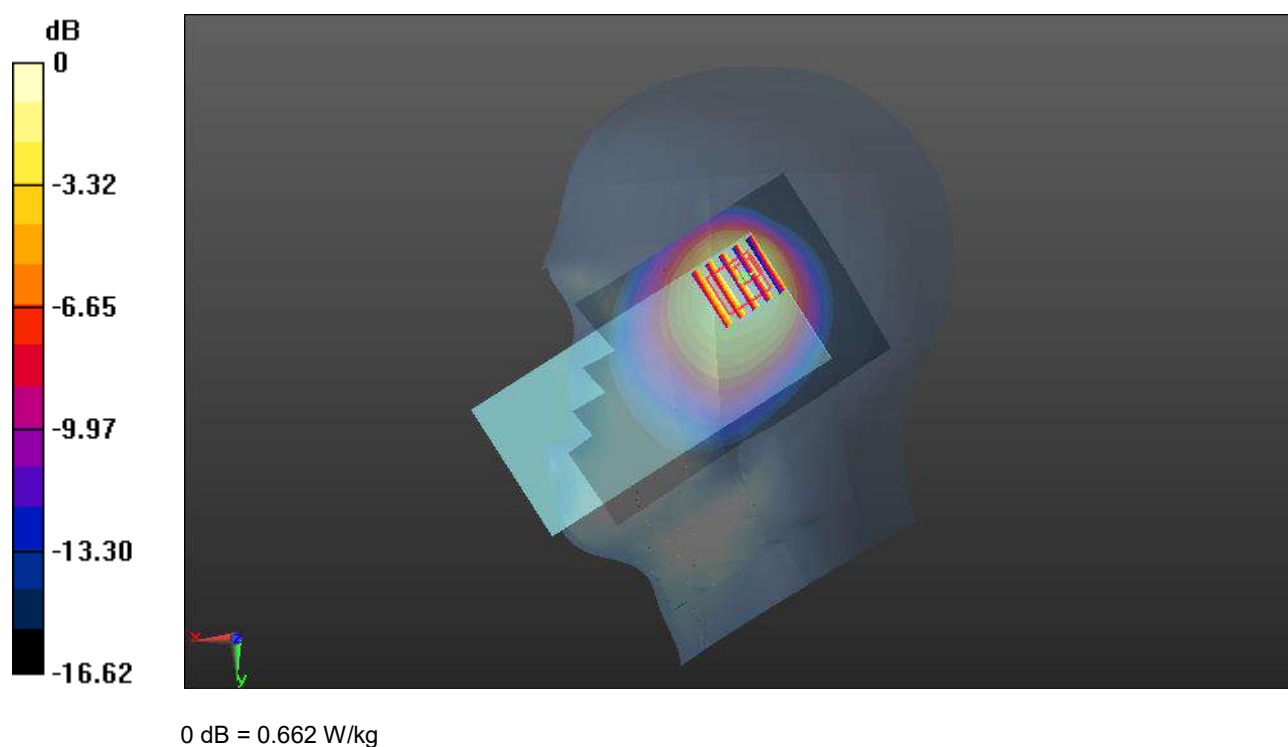
Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.13 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.634 W/kg; SAR(10 g) = 0.387 W/kg

Maximum value of SAR (measured) = 0.662 W/kg



Meas.41 Body Plane with Back Side 15mm on High Channel in LTE Band26 with Antenna 0

Date: 2023.06.22

Communication System Band: Band 26; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.941$ S/m; $\epsilon_r = 40.741$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26965/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.171 W/kg

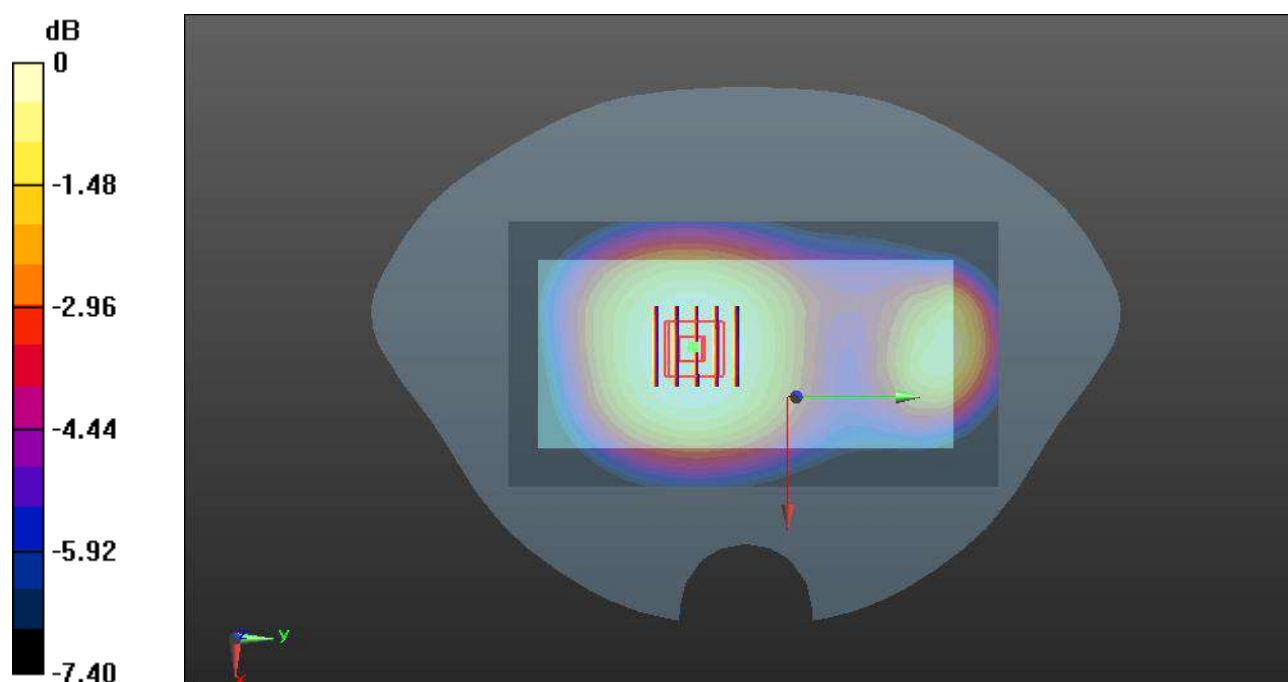
Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.17 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.162 W/kg



Meas.42 Body Plane with Back Side 10mm on High Channel in LTE Band26 with Antenna 0

Date: 2023.06.22

Communication System Band: Band 26; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.941$ S/m; $\epsilon_r = 40.741$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26965/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

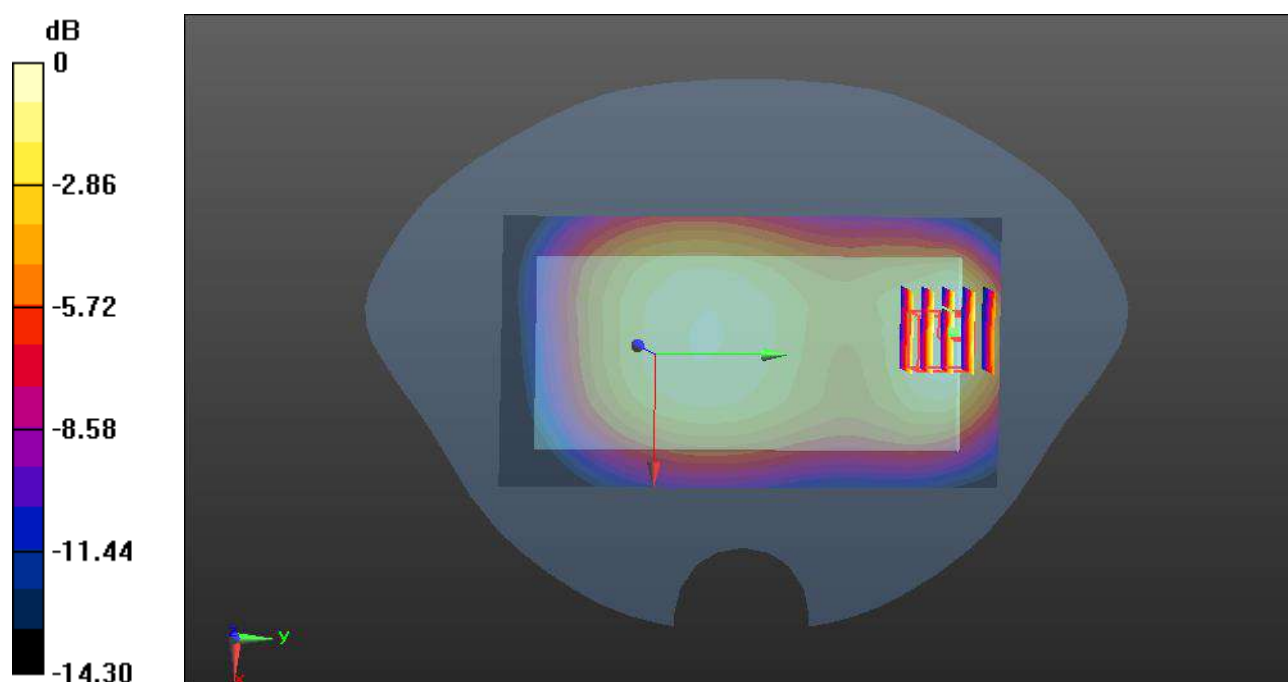
Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.28 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.435 W/kg

SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.163 W/kg

Maximum value of SAR (measured) = 0.282 W/kg



0 dB = 0.282 W/kg

Meas.43 Right Head with Tilt on Middle Channel LTE Band66 with Antenna 1

Date: 2023.06.25

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.373$ S/m; $\epsilon_r = 40.284$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.915 W/kg

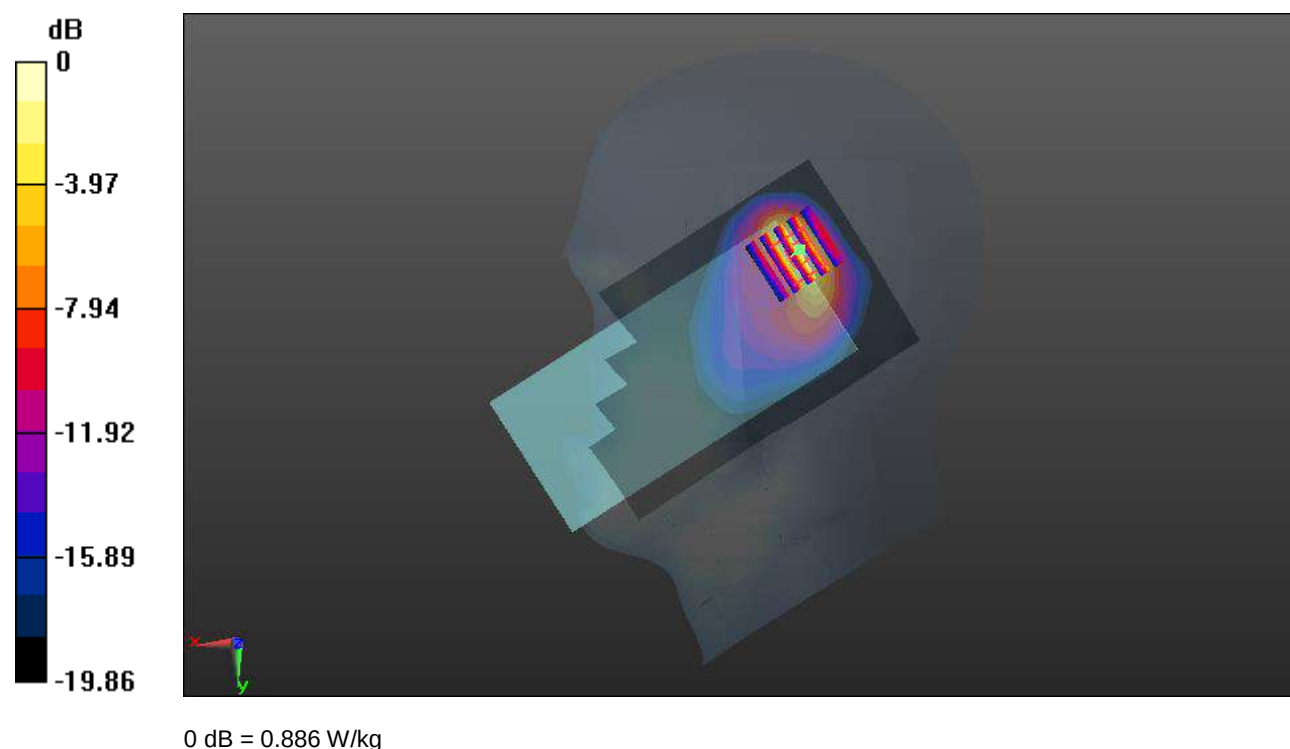
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.08 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.720 W/kg; SAR(10 g) = 0.324 W/kg

Maximum value of SAR (measured) = 0.886 W/kg



Meas.44 Body Plane with Back Side 15mm on Middle Channel in LTE Band66 with Antenna 0

Date: 2023.06.25

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.373$ S/m; $\epsilon_r = 40.284$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.252 W/kg

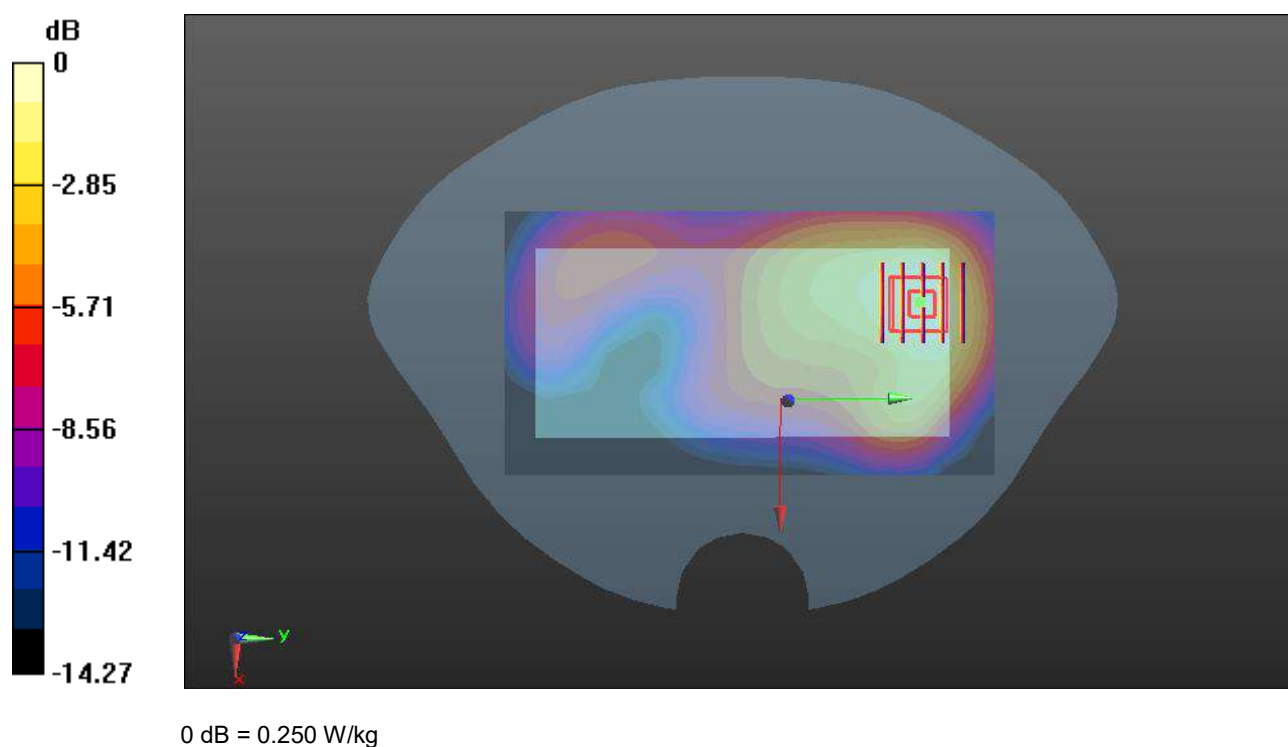
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.256 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.344 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.250 W/kg



Meas.45 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band66 mode with Antenna 0

Date: 2023.06.25

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.373$ S/m; $\epsilon_r = 40.284$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

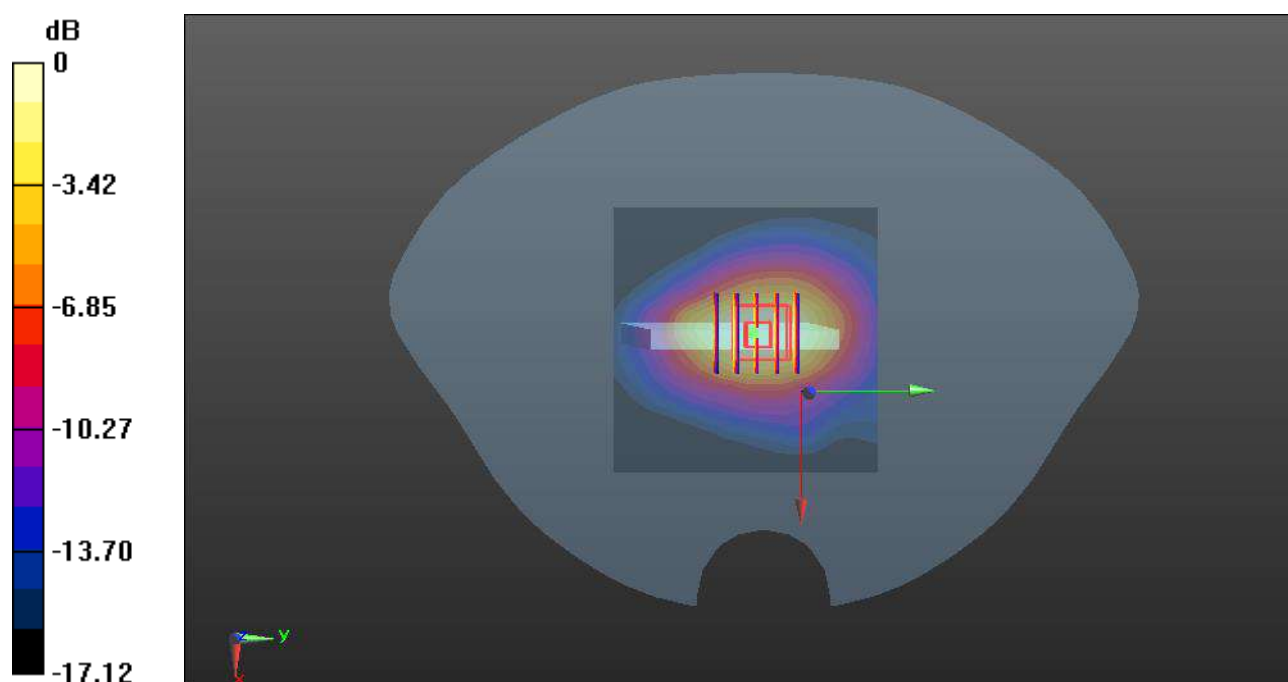
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.97 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.889 W/kg

SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.318 W/kg

Maximum value of SAR (measured) = 0.607 W/kg



0 dB = 0.607 W/kg

Meas.46 Body Plane with Bottom Edge 0mm on Middle Channel in LTE Band66 mode with Antenna 0

Date: 2023.06.25

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.373$ S/m; $\epsilon_r = 40.284$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.08 W/kg

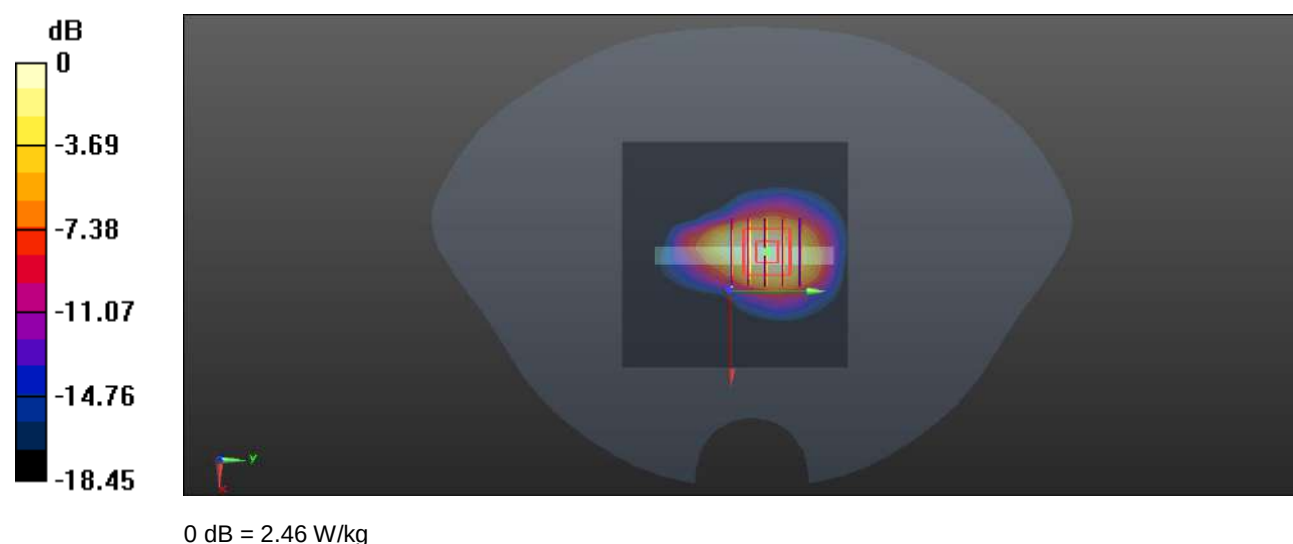
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.84 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.18 W/kg

SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.22 W/kg

Maximum value of SAR (measured) = 2.46 W/kg



Meas.47 Right Head with Tilt on Middle Channel LTE Band38 with Antenna 1

Date: 2023.06.16

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.989$ S/m; $\epsilon_r = 38.408$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

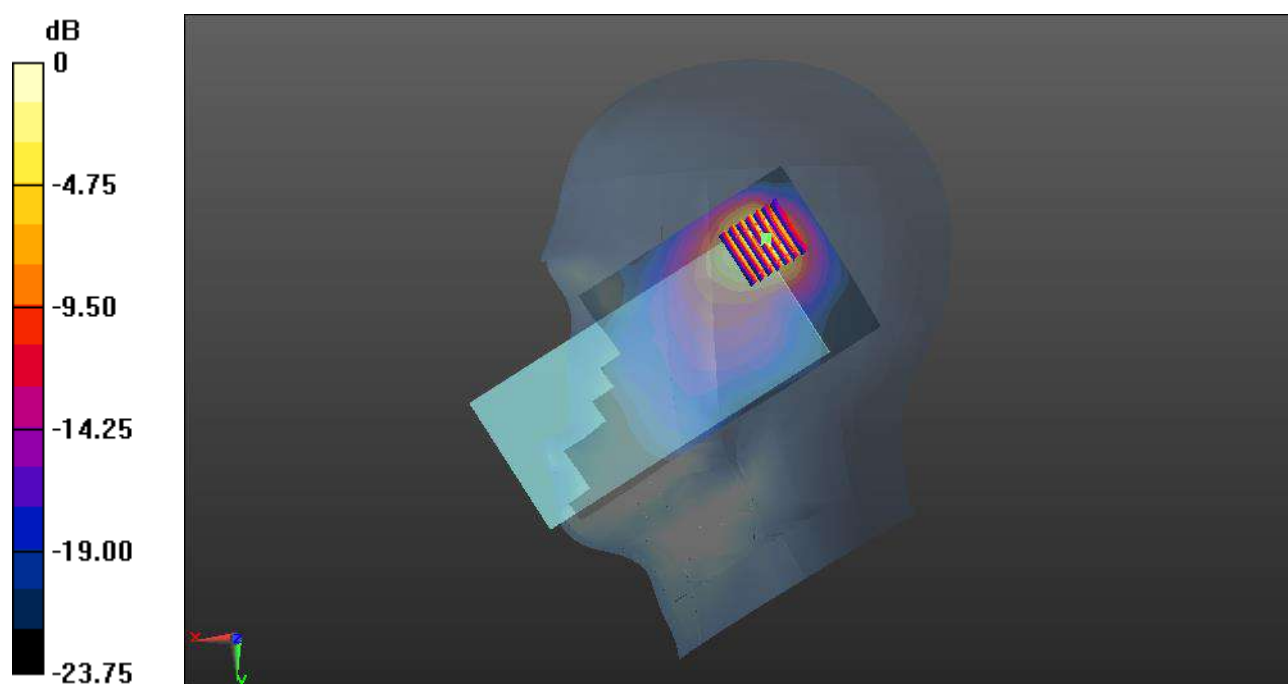
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.134 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.272 W/kg

Maximum value of SAR (measured) = 0.820 W/kg



0 dB = 0.820 W/kg

Meas.48 Body Plane with Back Side 15mm on Middle Channel in LTE Band38 with Antenna 1

Date: 2023.06.16

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.989$ S/m; $\epsilon_r = 38.408$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (71x141x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.271 W/kg

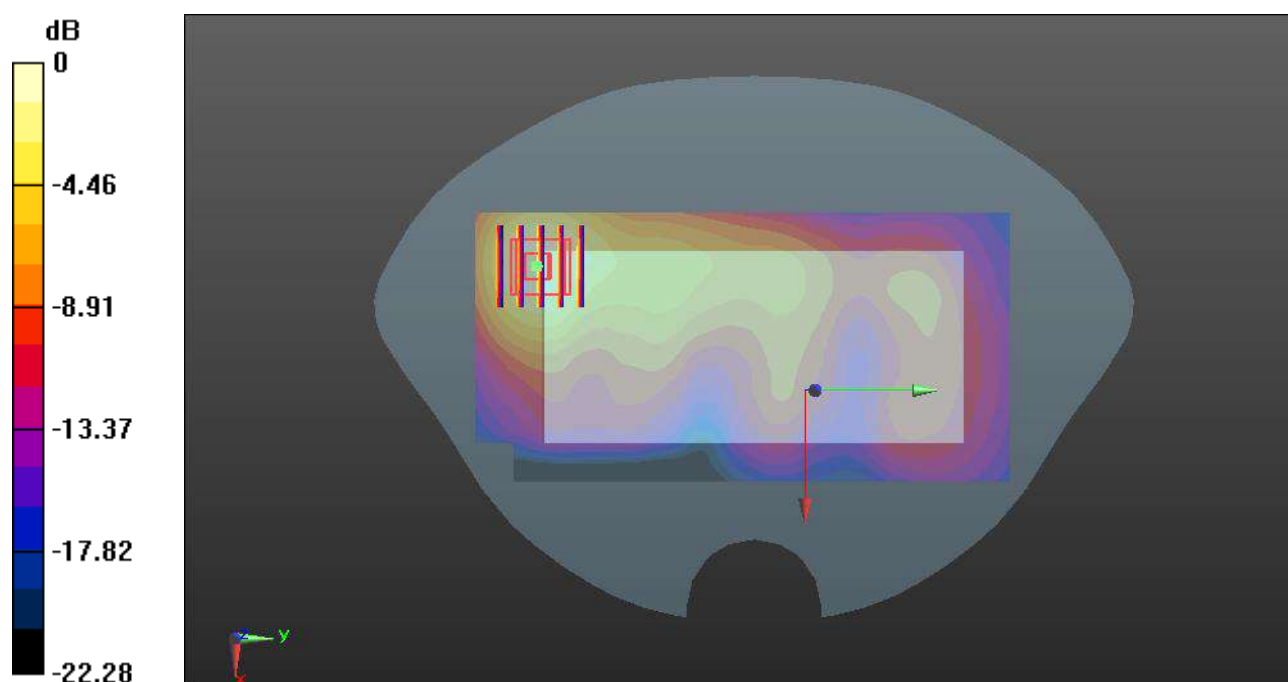
Ch38000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.562 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.493 W/kg

SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.284 W/kg



0 dB = 0.253 W/kg

Meas.49 Body Plane with Top Edge 10mm on Middle Channel in LTE Band38 mode with Antenna 1

Date: 2023.06.16

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.989$ S/m; $\epsilon_r = 38.408$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.798 W/kg

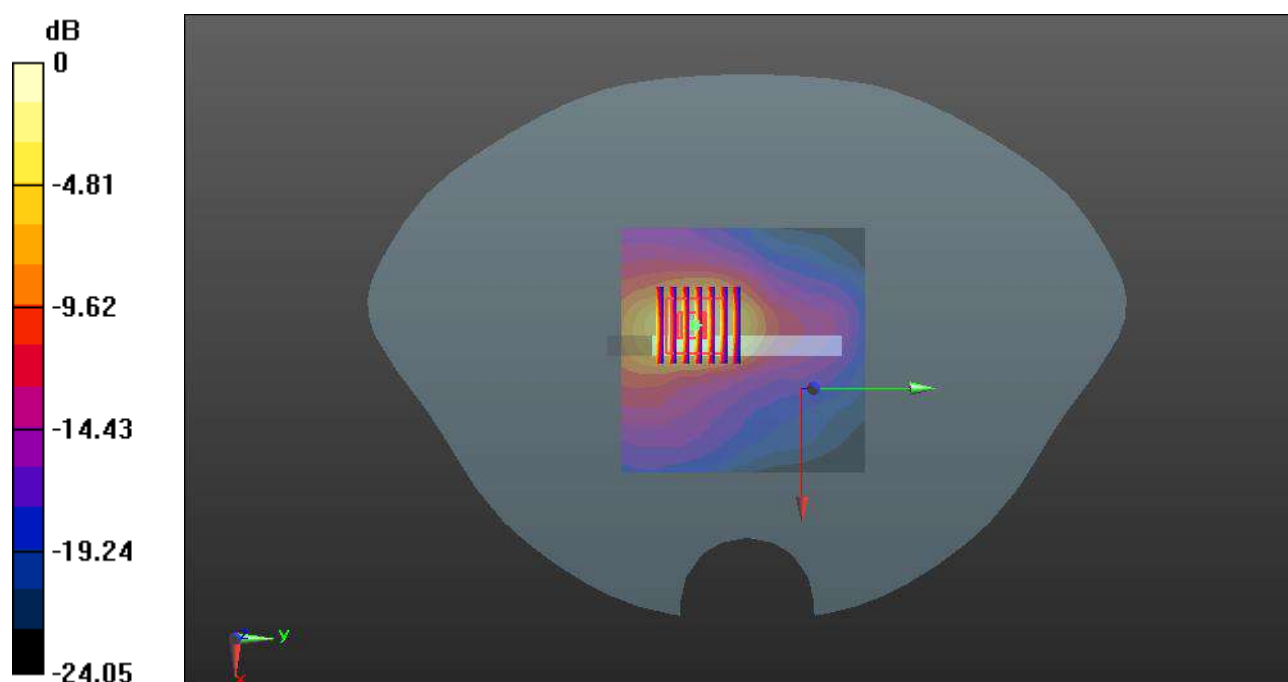
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.175 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.700 W/kg; SAR(10 g) = 0.366 W/kg

Maximum value of SAR (measured) = 0.820 W/kg



0 dB = 0.820 W/kg

Meas.50 Right Head with Tilt on Low Channel LTE Band41 with Antenna 1

Date: 2023.06.16

Communication System Band: Band41; Frequency: 2506 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2506$ MHz; $\sigma = 1.867$ S/m; $\epsilon_r = 39.082$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39750/Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

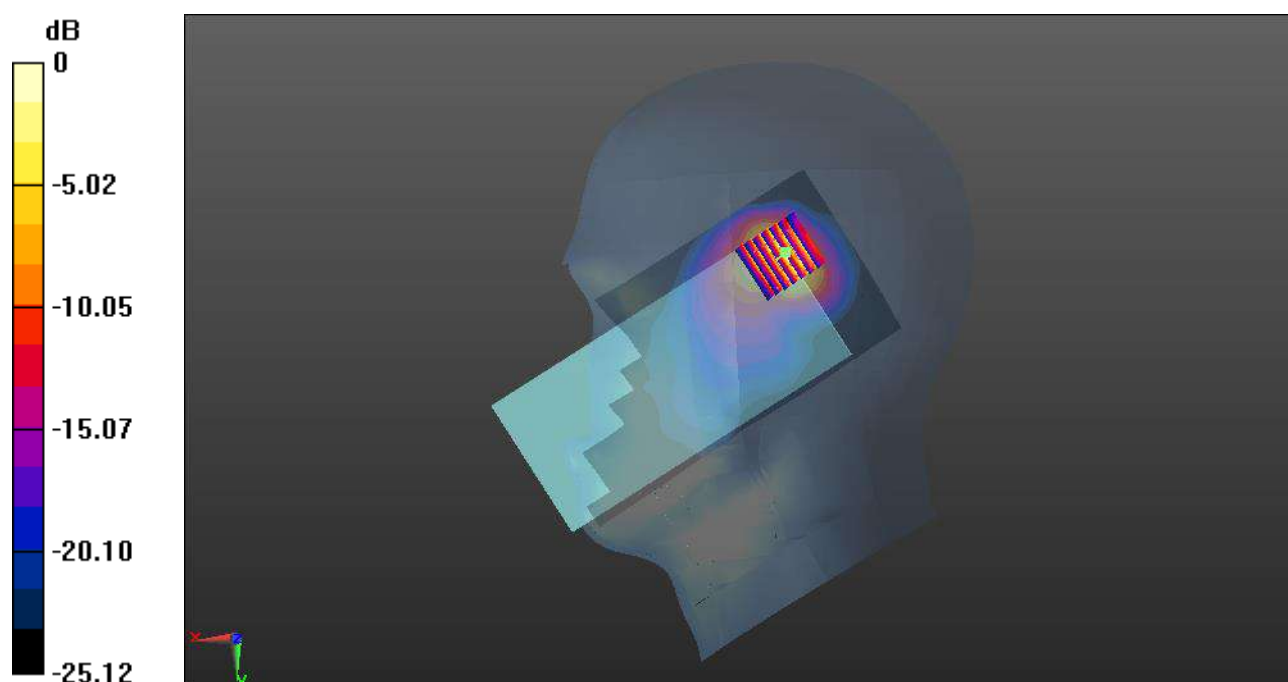
Ch39750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.514 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.41 W/kg

SAR(1 g) = 0.984 W/kg; SAR(10 g) = 0.362 W/kg

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



0 dB = 1.12 W/kg

Meas.51 Body Plane with Back Side 15mm on Middle Channel in LTE Band41 with Antenna 1

Date: 2023.06.16

Communication System Band: Band41; Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.981$ S/m; $\epsilon_r = 38.418$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.307 W/kg

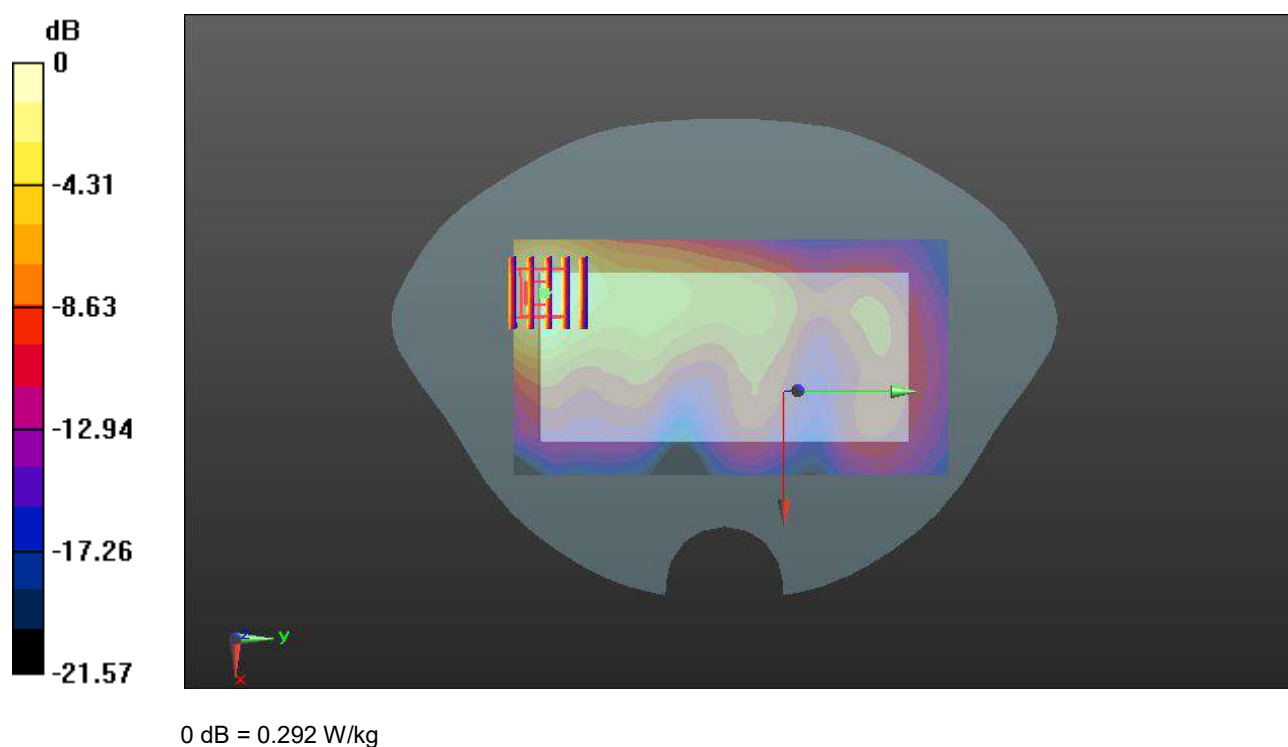
Ch40620/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.118 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.426 W/kg

SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.292 W/kg



Meas.52 Body Plane with Top Edge 10mm on Middle Channel in LTE B41 mode with Antenna 1

Date: 2023.06.16

Communication System Band: Band41; Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.981$ S/m; $\epsilon_r = 38.418$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.612 W/kg

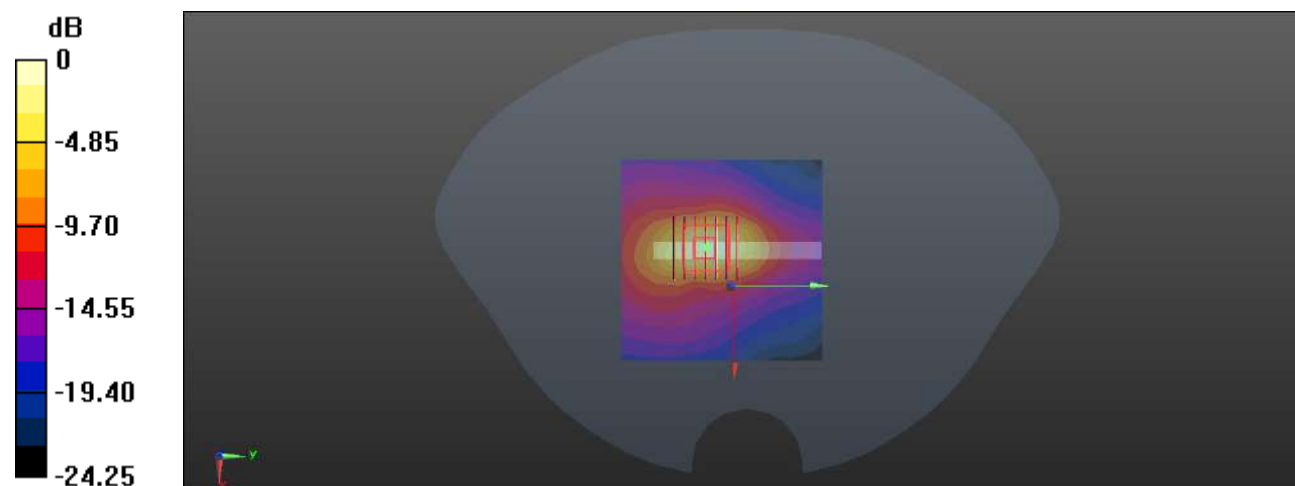
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.32 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.239 W/kg

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



0 dB = 0.646 W/kg

Meas.53 Right Head with Tilt on PCC21100+SCC21298 Channel LTE Band7 with Antenna 1

Date: 2023.07.02

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.901$ S/m; $\epsilon_r = 39.074$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.936 W/kg

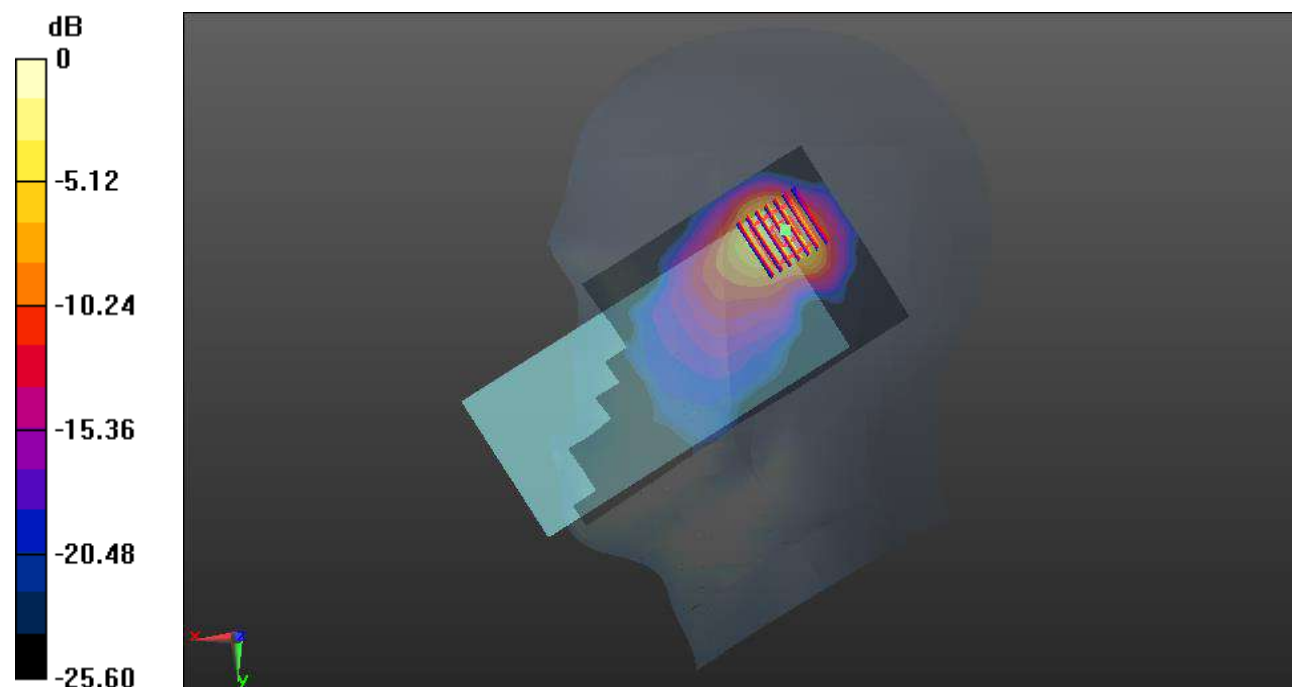
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.589 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 g) = 0.760 W/kg; SAR(10 g) = 0.296 W/kg

Maximum value of SAR (measured) = 0.922 W/kg



0 dB = 0.922 W/kg

Meas.54 Body Plane with Back Side 15mm on PCC21100+SCC21298 Channel in LTE Band7 with Antenna 0

Date: 2023.07.02

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.901$ S/m; $\epsilon_r = 39.074$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.232 W/kg

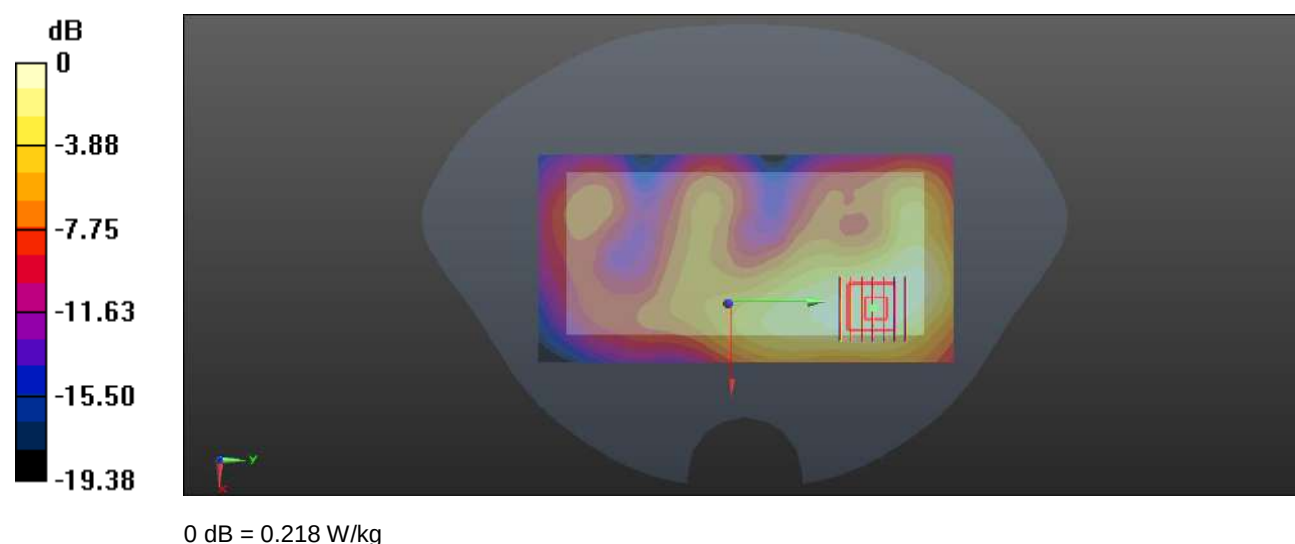
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.510 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.343 W/kg

SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.218 W/kg



Meas.55 Body Plane with Top Edge 10mm on PCC21100+SCC21298 Channel in LTE Band7 with Antenna 1

Date: 2023.07.02

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.901$ S/m; $\epsilon_r = 39.074$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.483 W/kg

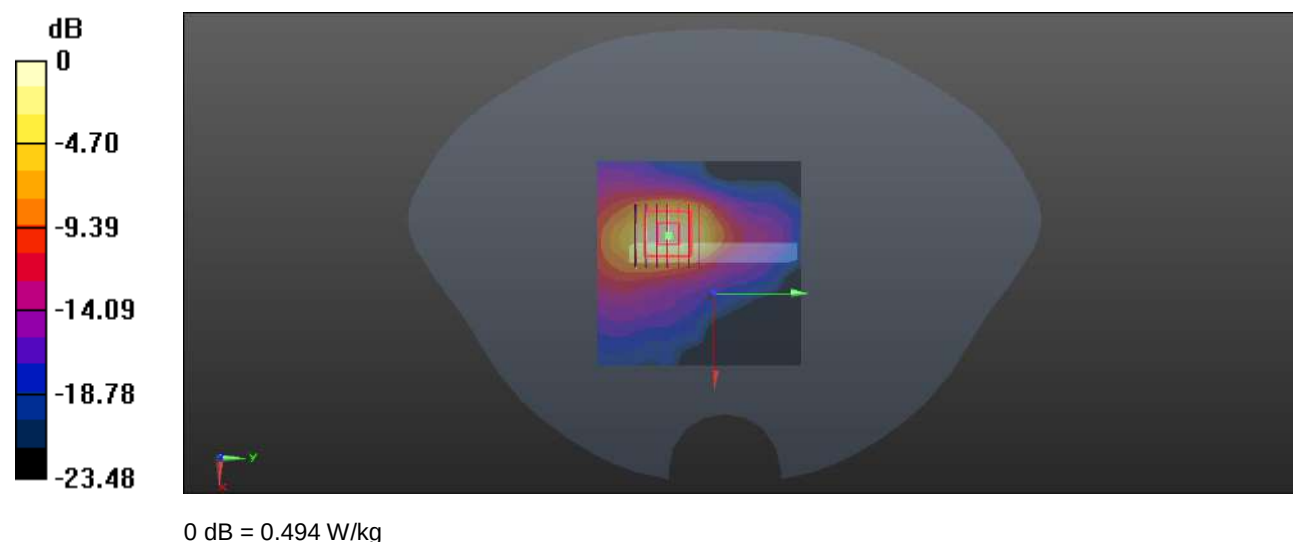
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.320 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.882 W/kg

SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.183 W/kg

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



Meas.56 Body Plane with Top Edge 0mm on PCC21100+SCC21298 Channel in LTE Band7 with Antenna 1

Date: 2023.07.02

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.901$ S/m; $\epsilon_r = 39.074$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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 (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 2.72 W/kg

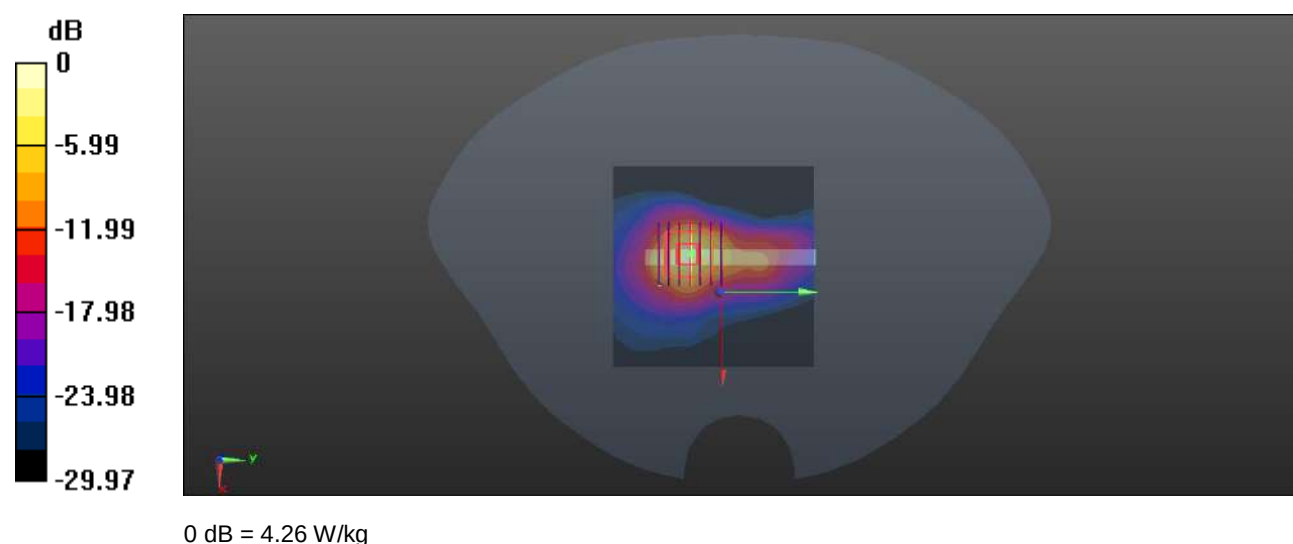
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.36 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 13.1 W/kg

SAR(1 g) = 3.37 W/kg; SAR(10 g) = 1.02 W/kg

Maximum value of SAR (measured) = 4.26 W/kg



Meas.57 Right Head with Tilt on PCC38099+SCC37901 Channel LTE Band38 with Antenna 1

Date: 2023.06.16

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.989$ S/m; $\epsilon_r = 38.408$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.805 W/kg

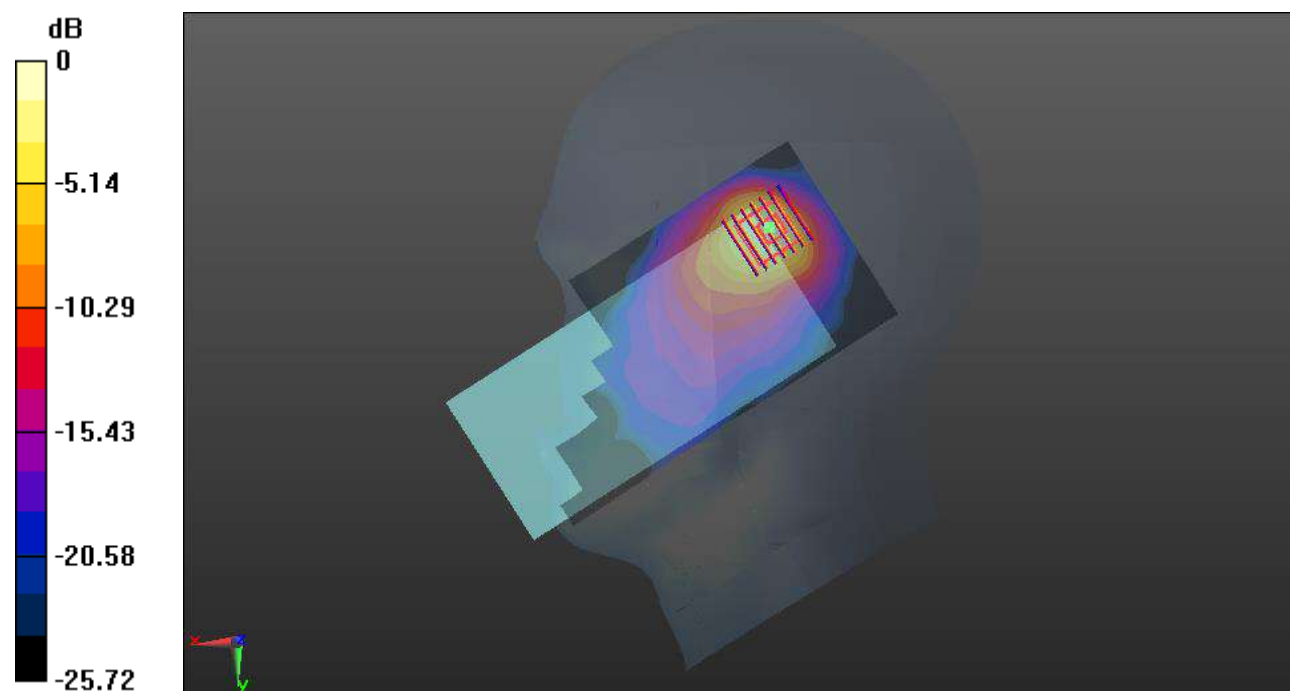
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.058 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.258 W/kg

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



0 dB = 0.770 W/kg

Meas.58 Body Plane with Back Side 15mm on PCC38099+SCC37901 Channel in LTE Band38 with Antenna 1

Date: 2023.06.16

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.989$ S/m; $\epsilon_r = 38.408$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.244 W/kg

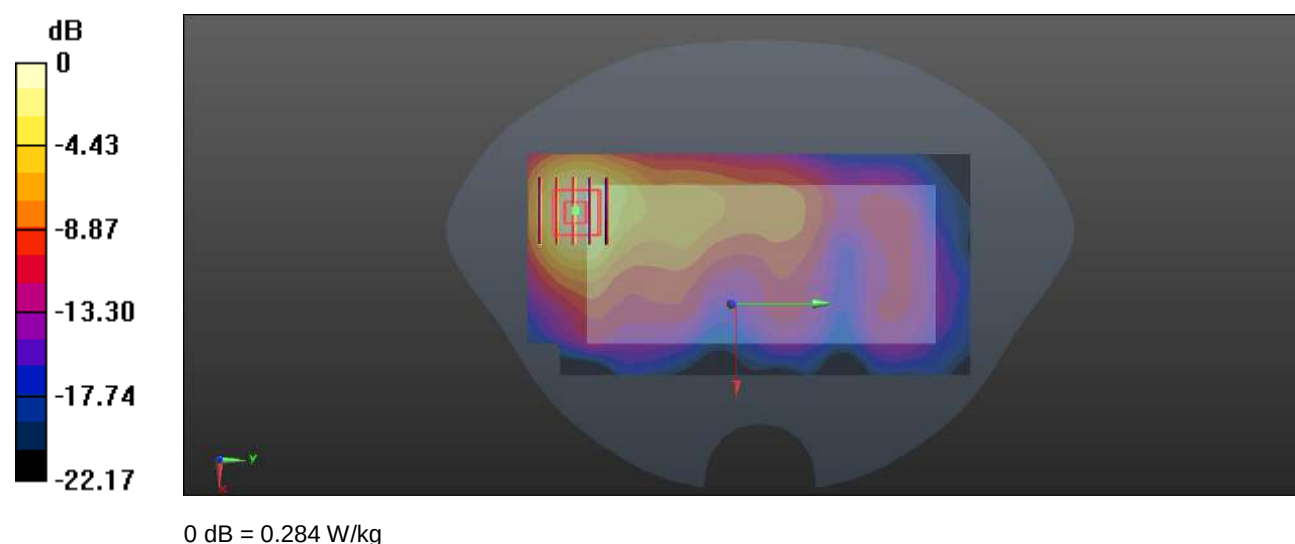
Ch38000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.528 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.427 W/kg

SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.253 W/kg



Meas.59 Body Plane with Top Edge 10mm on PCC38099+SCC37901 Channel in LTE Band38 with Antenna 1-state3

Date: 2023.06.16

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.989$ S/m; $\epsilon_r = 38.408$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

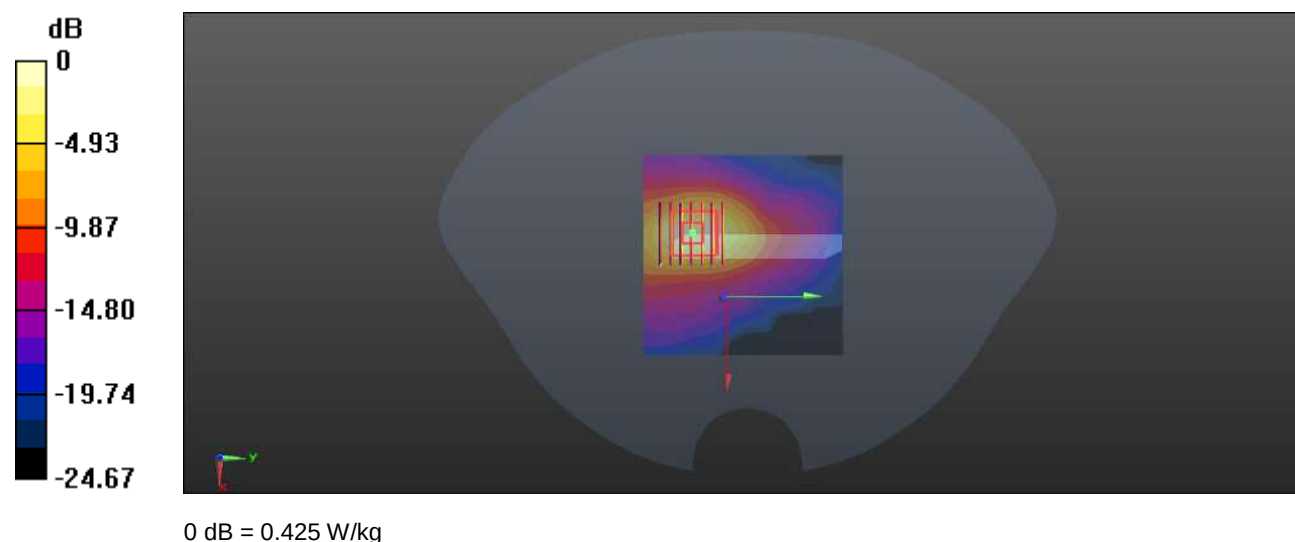
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.148 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.765 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.163 W/kg

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



Meas.60 Right Head with Tilt on PCC39750+SCC39948 Channel LTE Band41 with Antenna 1-State2

Date: 2023.06.16

Communication System Band: Band41; Frequency: 2506 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2506$ MHz; $\sigma = 1.867$ S/m; $\epsilon_r = 39.082$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39750/Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

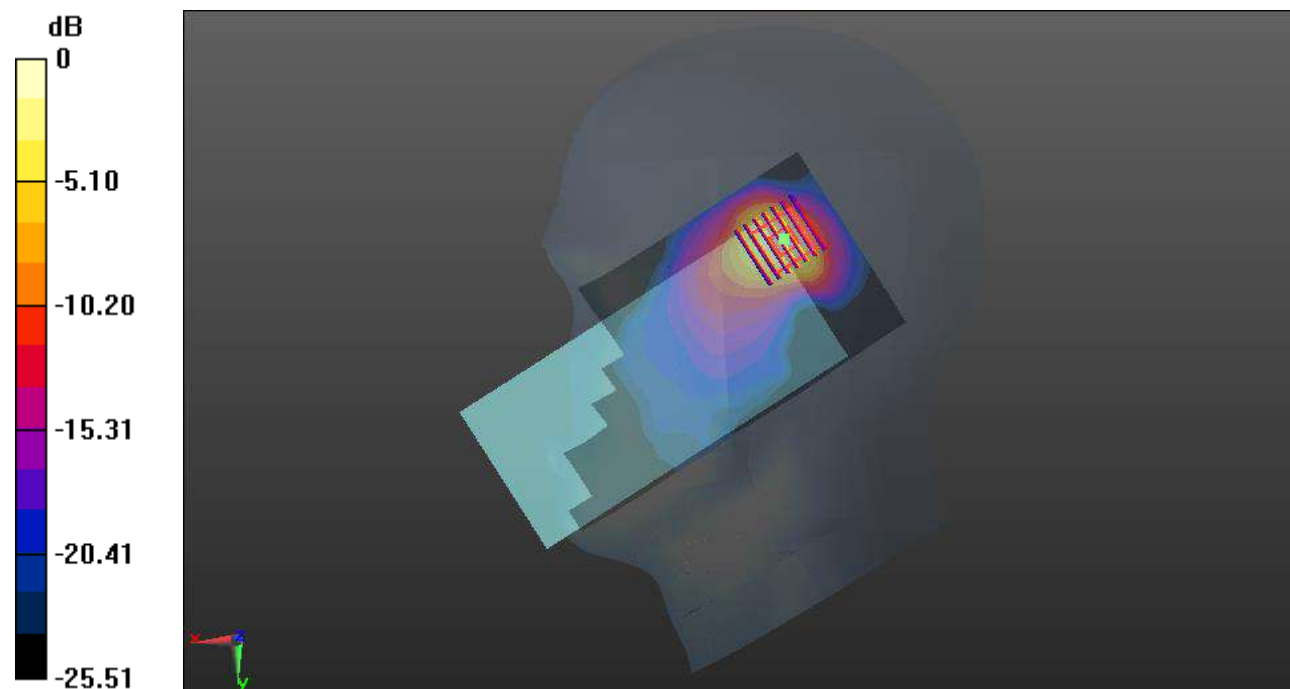
Ch39750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.514 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.41 W/kg

SAR(1 g) = 0.938 W/kg; SAR(10 g) = 0.362 W/kg

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



0 dB = 1.09 W/kg

Meas.61 Body Plane with Back Side 15mm on PCC40620+SCC40818 Channel in LTE Band41 with Antenna 1

Date: 2023.06.16

Communication System Band: Band41; Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.981$ S/m; $\epsilon_r = 38.418$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (81x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

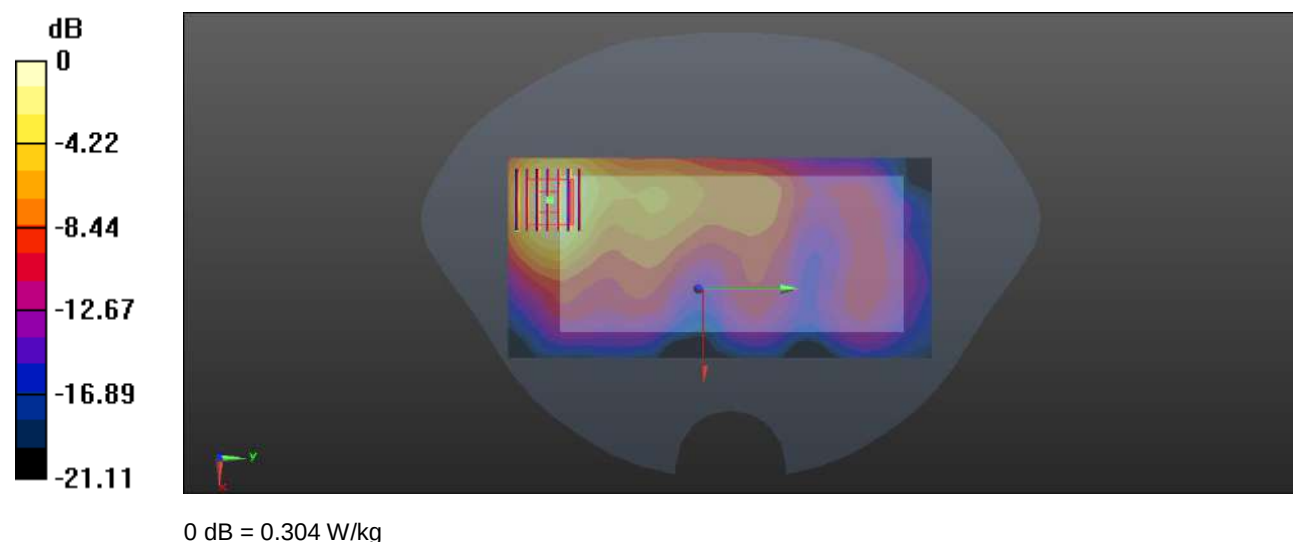
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.022 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.379 W/kg

SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.103 W/kg

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



Meas.62 Body Plane with Top Edge 10mm on PCC40620+SCC40818 Channel in LTE Band41 with Antenna 1

Date: 2023.06.16

Communication System Band: Band41; Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.981$ S/m; $\epsilon_r = 38.418$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.433 W/kg

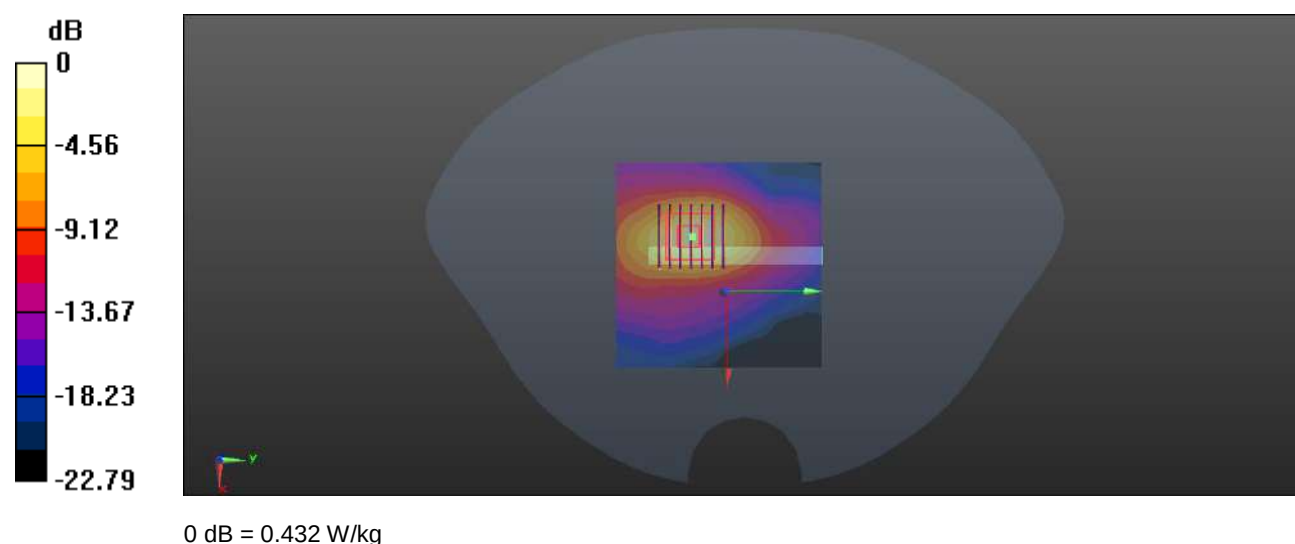
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.376 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.791 W/kg

SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.170 W/kg

Maximum value of SAR (measured) = 0.432 W/kg



Meas.63 Right Head with Cheek on 166800 Channel N5 with Antenna 1

Date: 2023.06.19

Communication System Band: N5; Frequency: 834 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 834$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 41.949$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch166800/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.630 W/kg

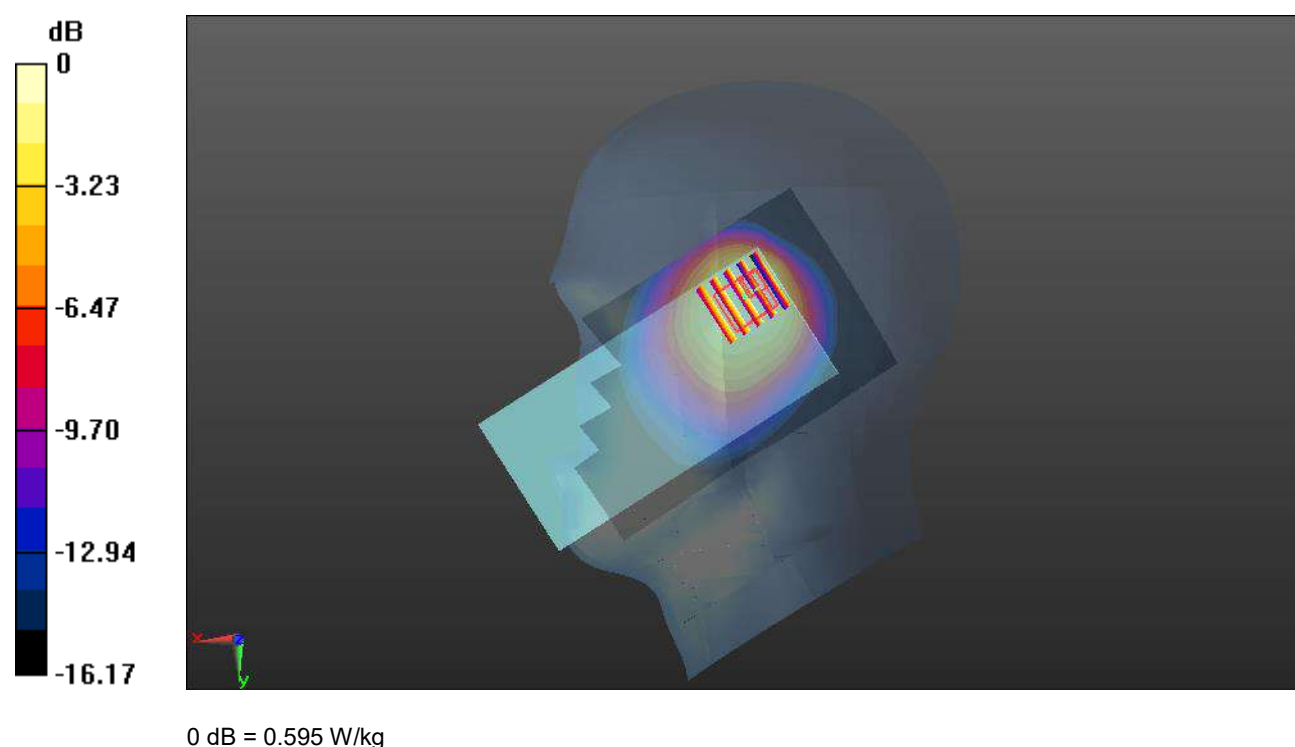
Ch166800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.90 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.563 W/kg; SAR(10 g) = 0.351 W/kg

Maximum value of SAR (measured) = 0.595 W/kg



Meas.64 Body Plane with Back Side 15mm on 166800 Channel in N5 with Antenna 1

Date: 2023.06.19

Communication System Band: N5; Frequency: 834 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 834$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 41.949$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch166800/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.164 W/kg

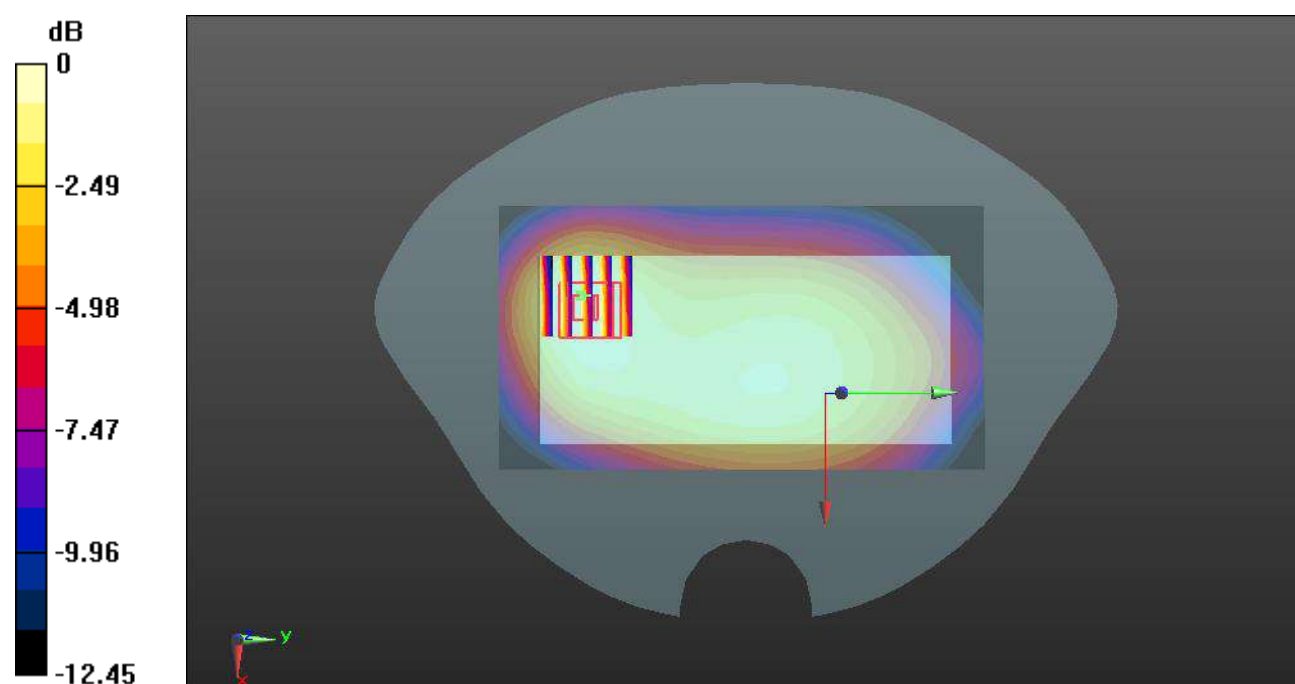
Ch166800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.69 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.220 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.104 W/kg

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



0 dB = 0.160 W/kg

Meas.65 Body Plane with Back Side 10mm on 166800 Channel in N5 with Antenna 0

Date: 2023.06.19

Communication System Band: N5; Frequency: 834 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 834$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 41.949$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch166800/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.365 W/kg

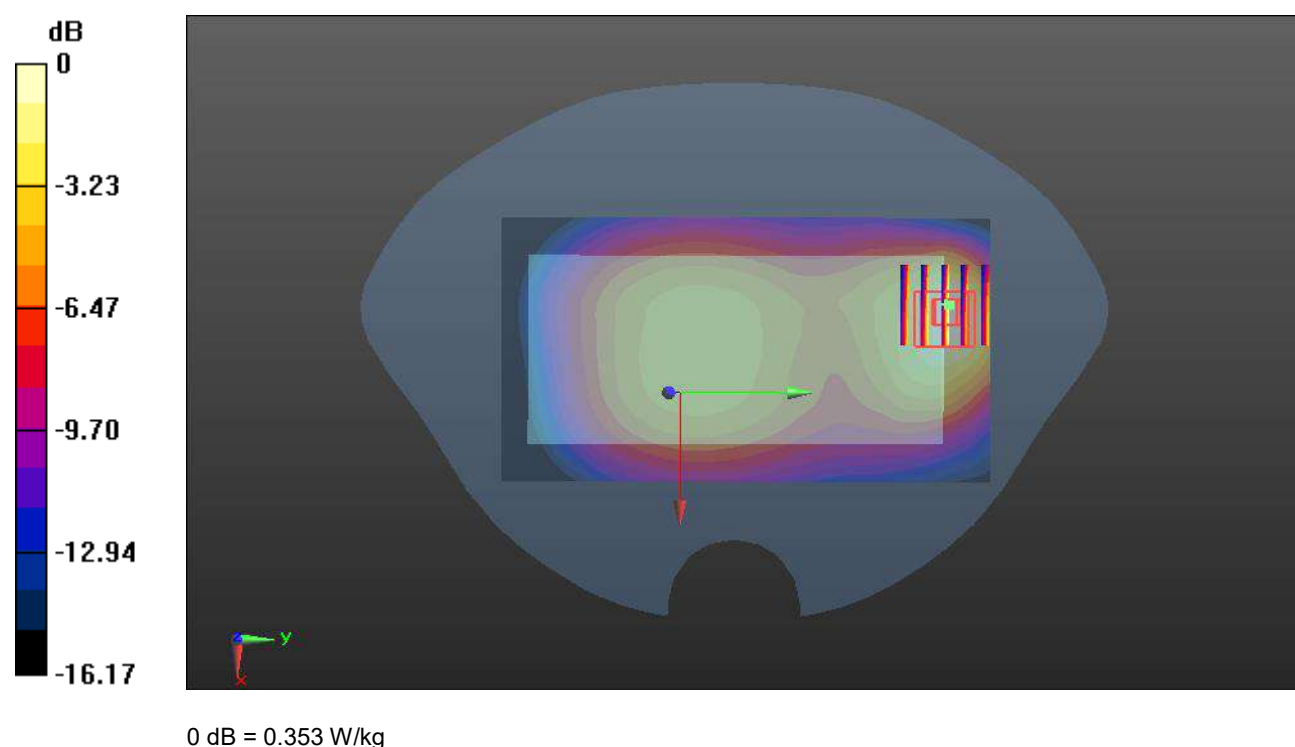
Ch166800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.49 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.496 W/kg

SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.353 W/kg



Meas.66 Right Head with Tilt on 504000 Channel N7 Mode with Antenna 1

Date: 2023.06.19

Communication System Band: N7; Frequency: 2522.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2522.5$ MHz; $\sigma = 1.908$ S/m; $\epsilon_r = 39.672$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch504000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

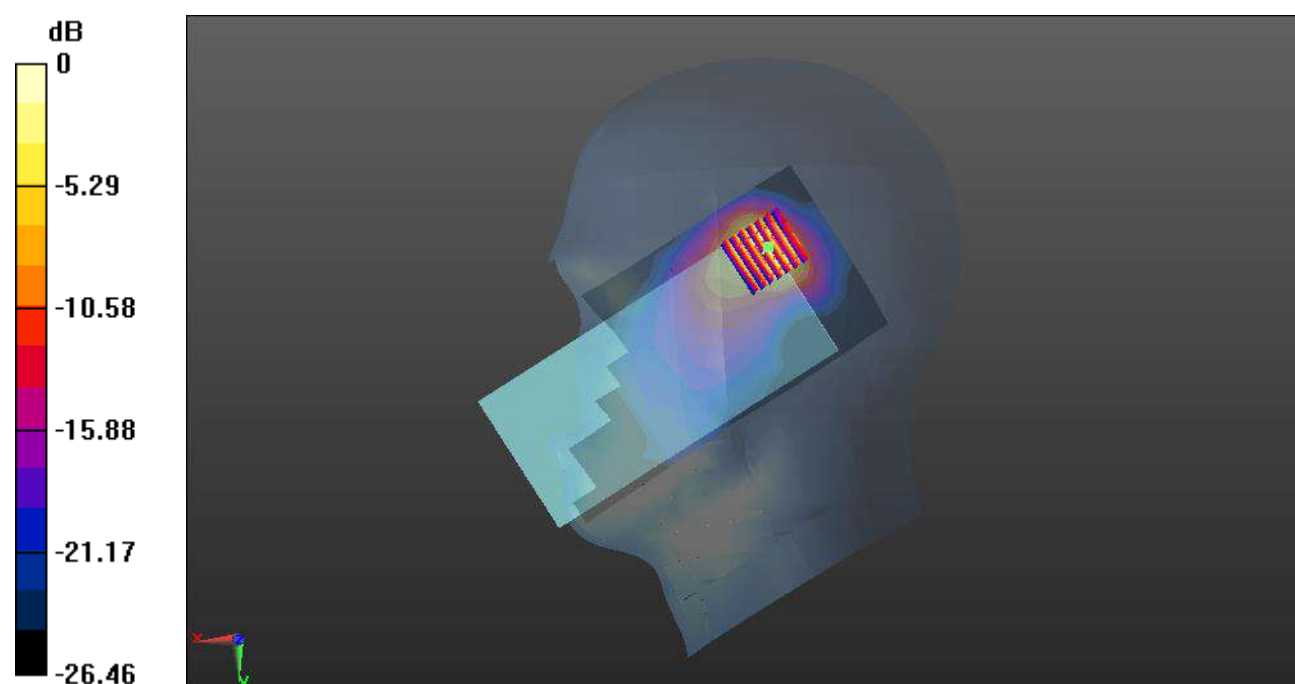
Ch504000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.888 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.40 W/kg

SAR(1 g) = 0.914 W/kg; SAR(10 g) = 0.350 W/kg

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



0 dB = 1.11 W/kg

Meas.67 Body Plane with Back Side 15mm on 5070000 Channel in N7 with Antenna 4

Date: 2023.06.19

Communication System Band: N7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.922$ S/m; $\epsilon_r = 39.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- 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) = 0.288 W/kg

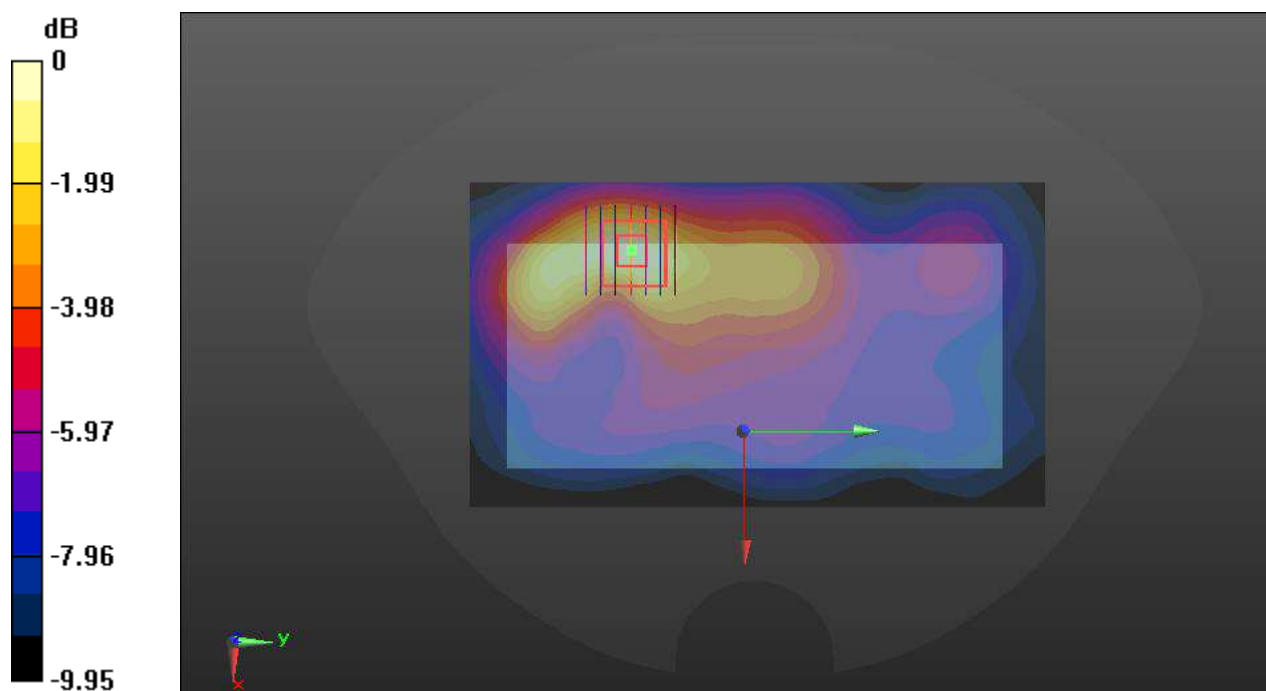
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.460 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.450 W/kg

SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.150 W/kg

Maximum value of SAR (measured) = 0.299 W/kg



0 dB = 0.299 W/kg

Meas.68 Body Plane with Back Side 10mm on 507000 Channel in N7 mode with Antenna 4

Date: 2023.06.19

Communication System Band: N7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.922$ S/m; $\epsilon_r = 39.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- 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) = 0.659 W/kg

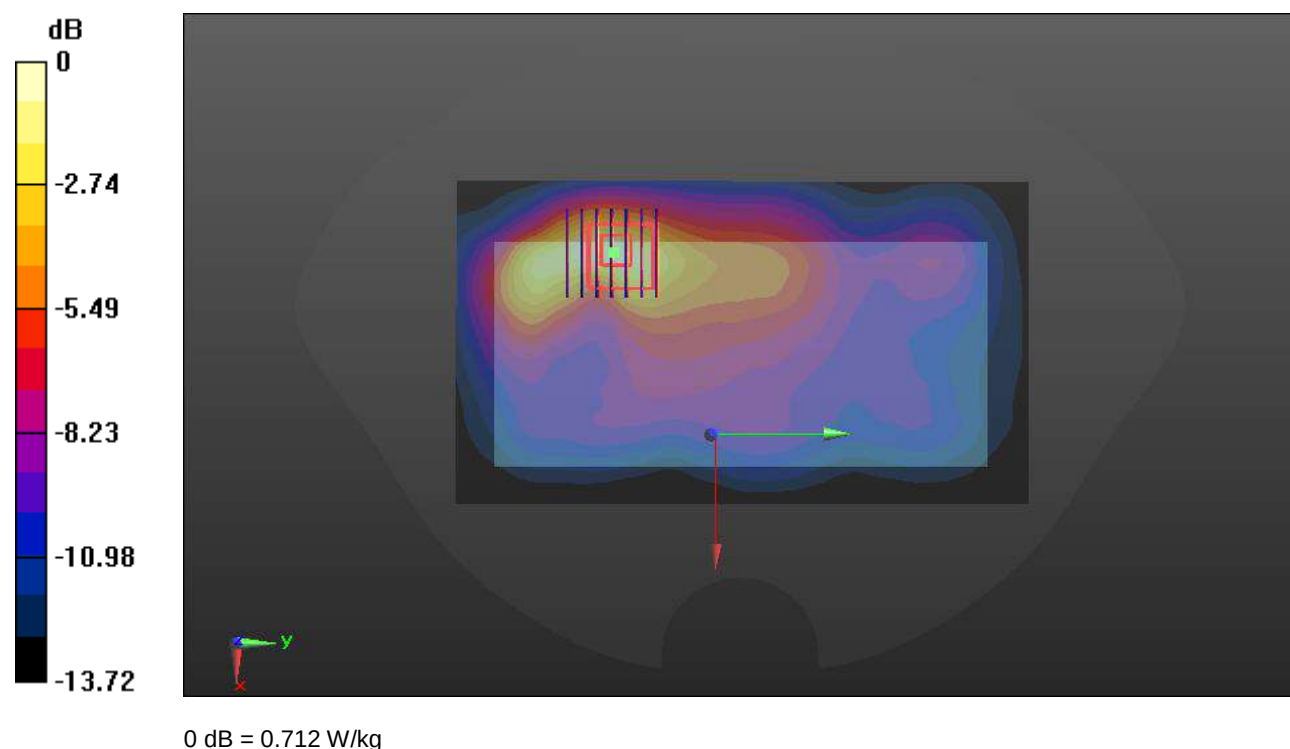
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.945 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.301 W/kg

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



Meas.69 Body Plane with Top Edge 0mm on 507000 Channel in N7 mode with Antenna 1

Date: 2023.06.19

Communication System Band: N7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.922$ S/m; $\epsilon_r = 39.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 5.19 W/kg

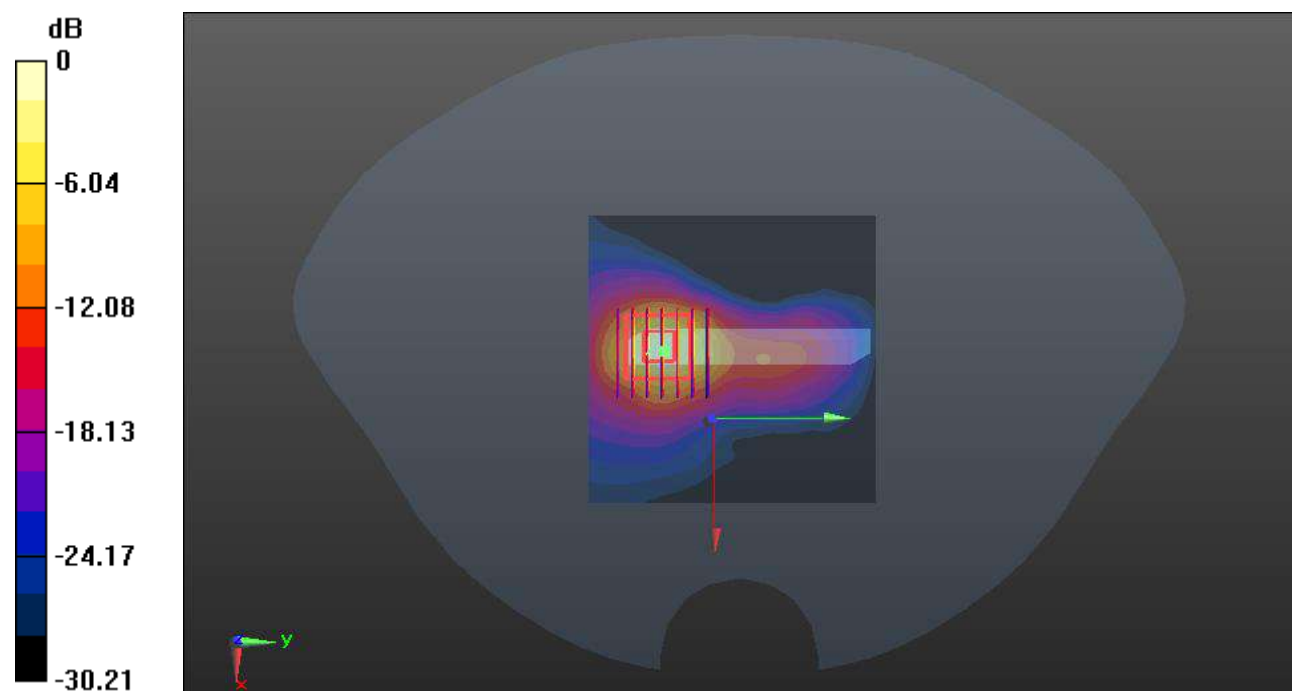
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.88 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 4.83 W/kg; SAR(10 g) = 1.51 W/kg

Maximum value of SAR (measured) = 5.79 W/kg



0 dB = 5.79 W/kg

Meas.70 Right Head with Tilt on 519000 Channel N38 Mode with Antenna 1

Date: 2023.06.22

Communication System Band: N38; Frequency: 2595 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 39.221$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch519000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.685 W/kg

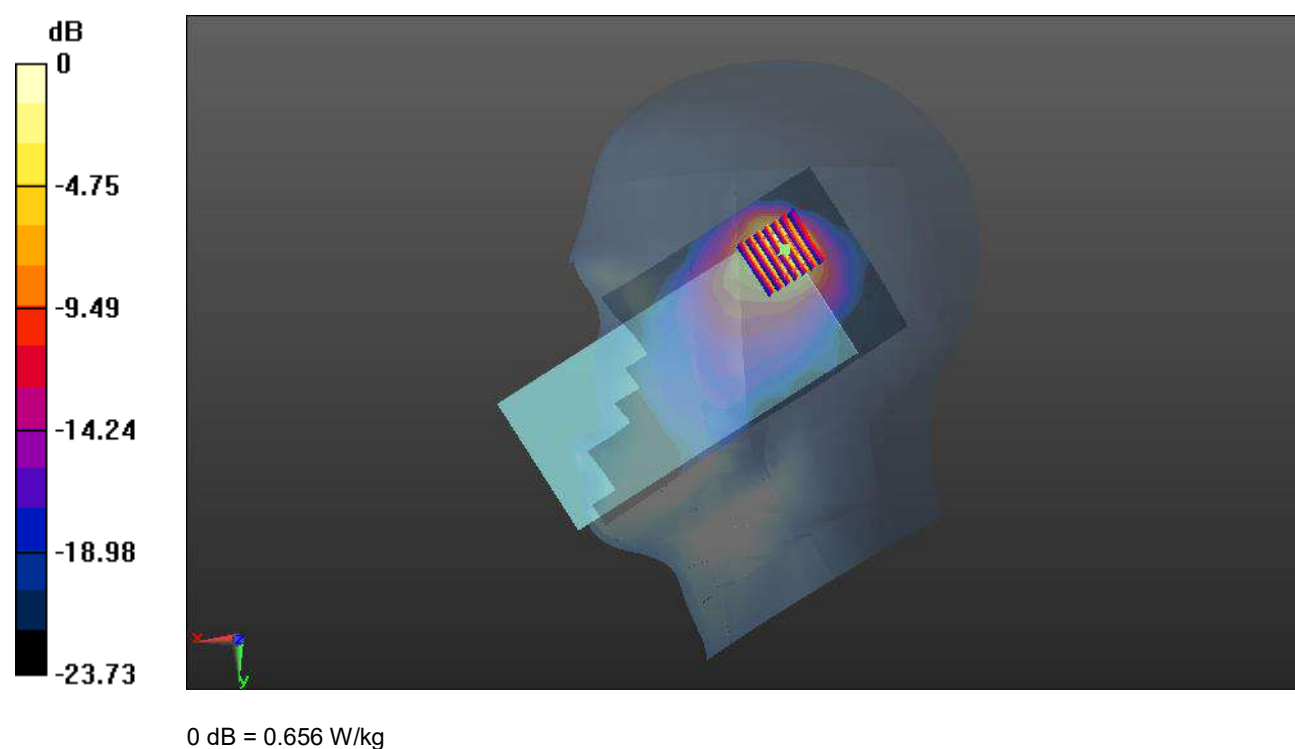
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.295 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.553 W/kg; SAR(10 g) = 0.222 W/kg

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



Meas.71 Body Plane with Back Side 15mm on 519000 Channel in N38 with Antenna 4

Date: 2023.06.22

Communication System Band: N38; Frequency: 2595 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 39.221$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch519000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.356 W/kg

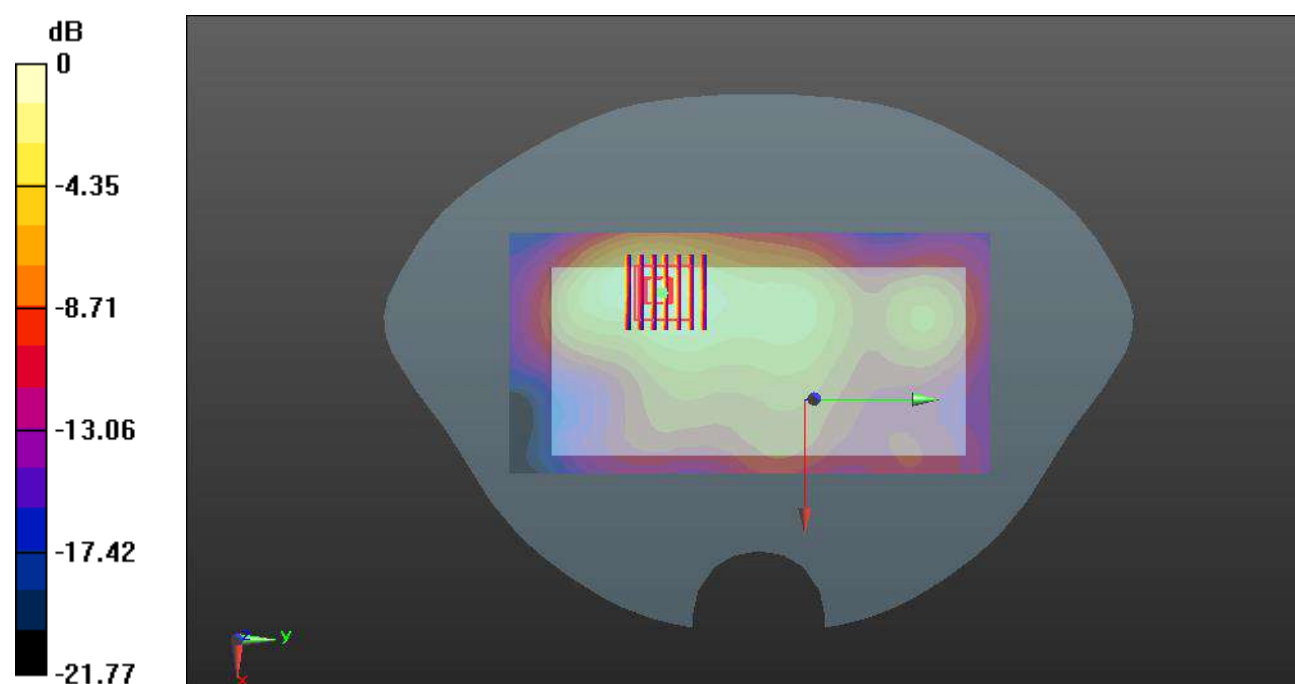
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.322 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.588 W/kg

SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.164 W/kg

Maximum value of SAR (measured) = 0.346 W/kg



0 dB = 0.346 W/kg

Meas.72 Body Plane with Back Side 10mm on 517000 Channel in N38 with Antenna 4

Date: 2023.06.22

Communication System Band: N38; Frequency: 2585 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2585$ MHz; $\sigma = 1.969$ S/m; $\epsilon_r = 39.498$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch517000/Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.749 W/kg

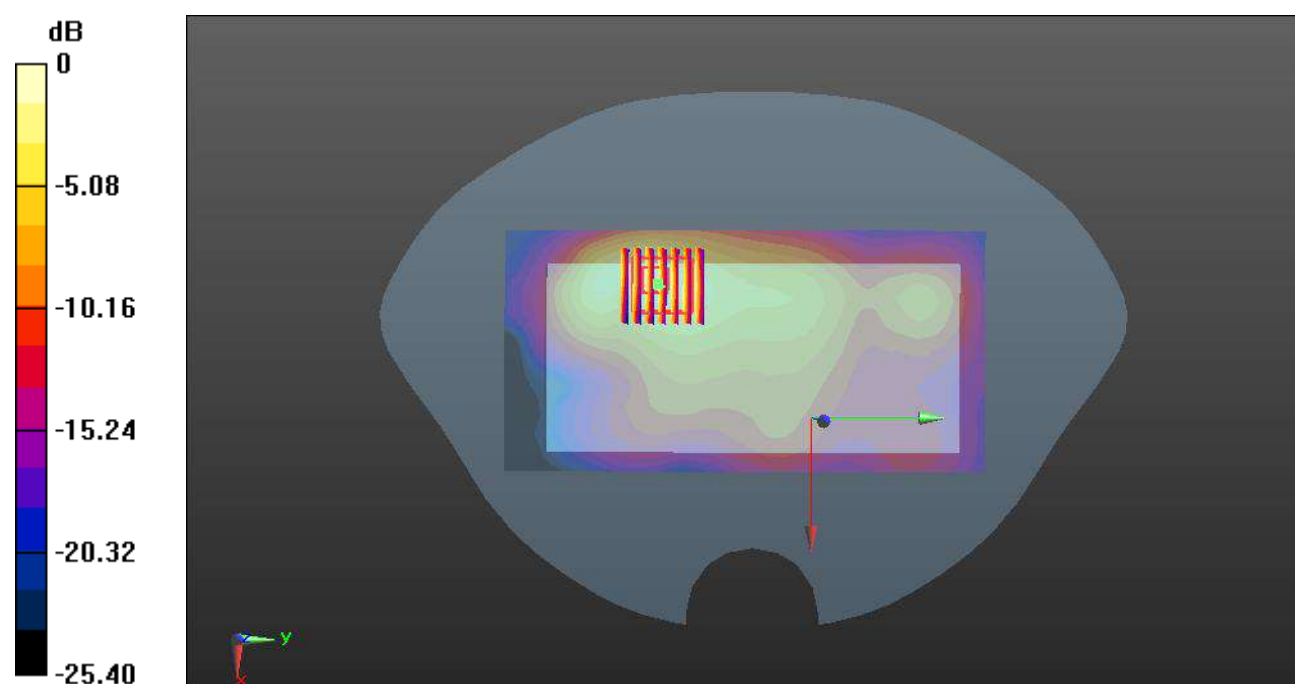
Ch517000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.166 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.703 W/kg; SAR(10 g) = 0.336 W/kg

Maximum value of SAR (measured) = 0.783 W/kg



0 dB = 0.783 W/kg

Meas.73 Body Plane with Back Side 0mm on 519000 Channel in N38 with Antenna 1

Date: 2023.06.22

Communication System Band: N38; Frequency: 2595 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 39.221$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch519000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 5.56 W/kg

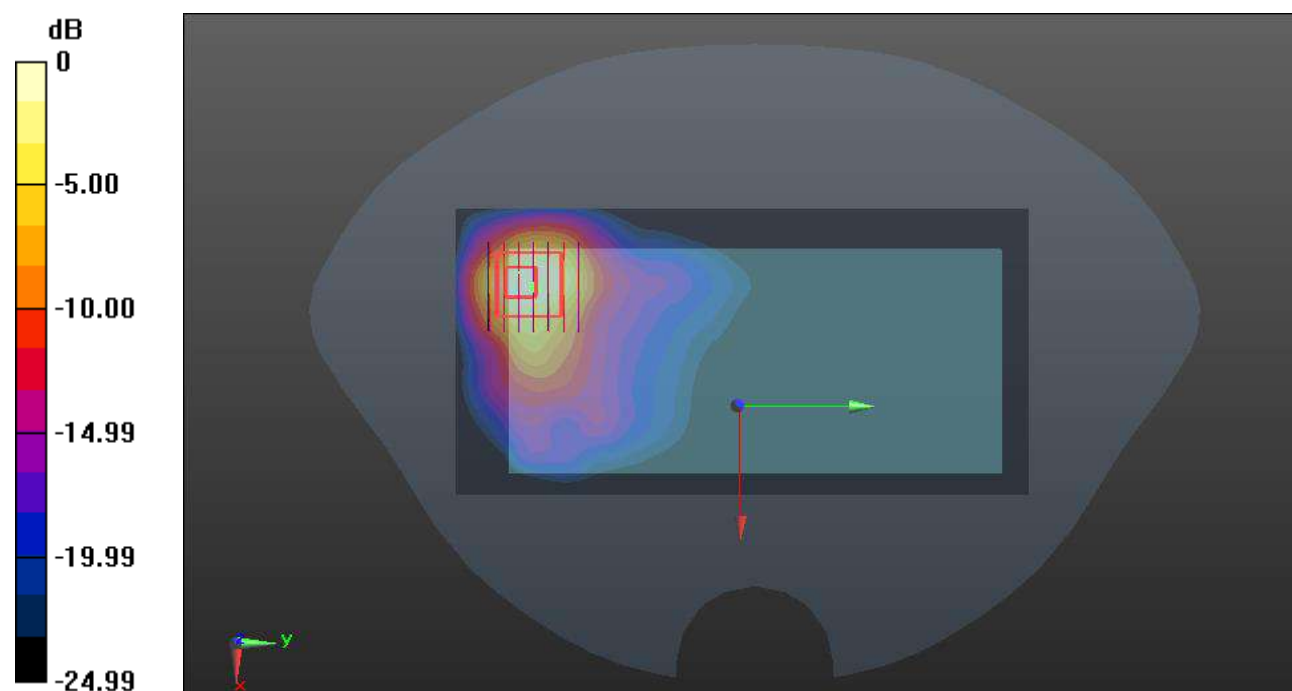
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.338 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 13.0 W/kg

SAR(1 g) = 4.77 W/kg; SAR(10 g) = 1.96 W/kg

Maximum value of SAR (measured) = 5.33 W/kg



0 dB = 5.33 W/kg

Meas.74 Right Head with Tilt on 518598 Channel N41 Mode with Antenna 1

Date: 2023.07.04

Communication System Band: N41; Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.949$ S/m; $\epsilon_r = 38.793$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

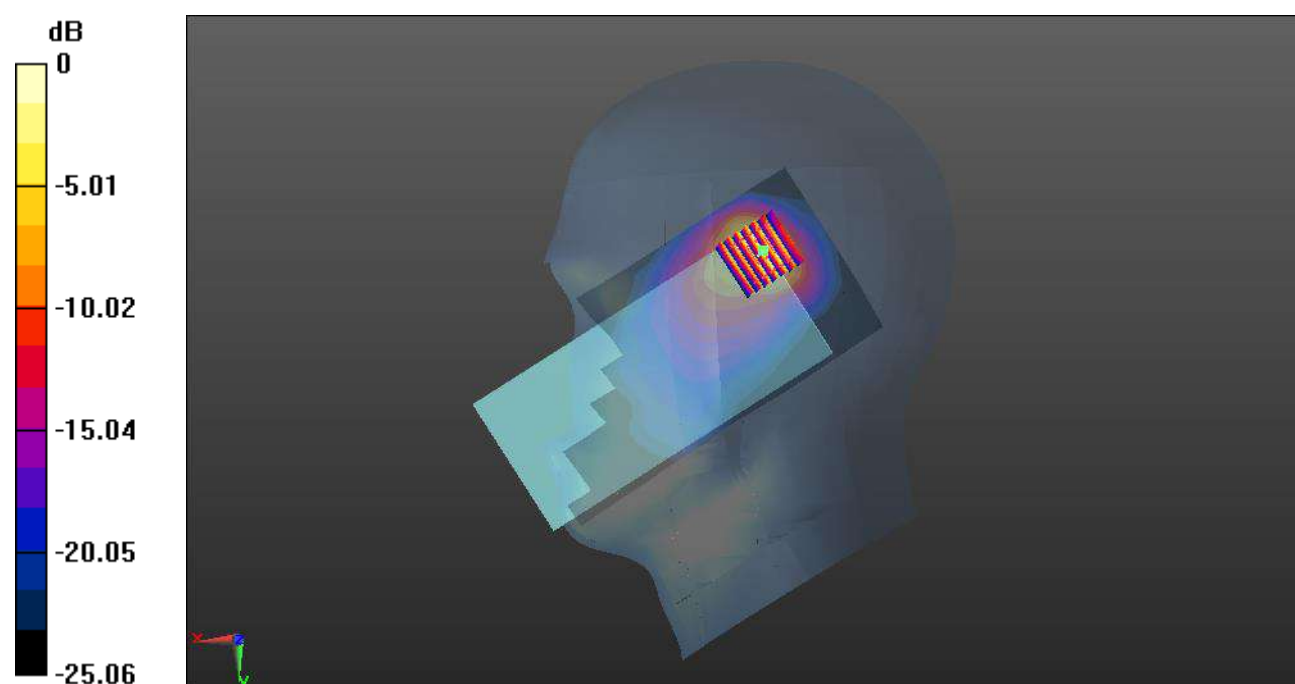
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.717 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 2.26 W/kg

SAR(1 g) = 0.868 W/kg; SAR(10 g) = 0.339 W/kg

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



0 dB = 1.06 W/kg

Meas.75 Body Plane with Back Side 15mm on 518598 Channel in N41 with Antenna 4

Date: 2023.07.04

Communication System Band: N41; Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.949$ S/m; $\epsilon_r = 38.793$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.398 W/kg

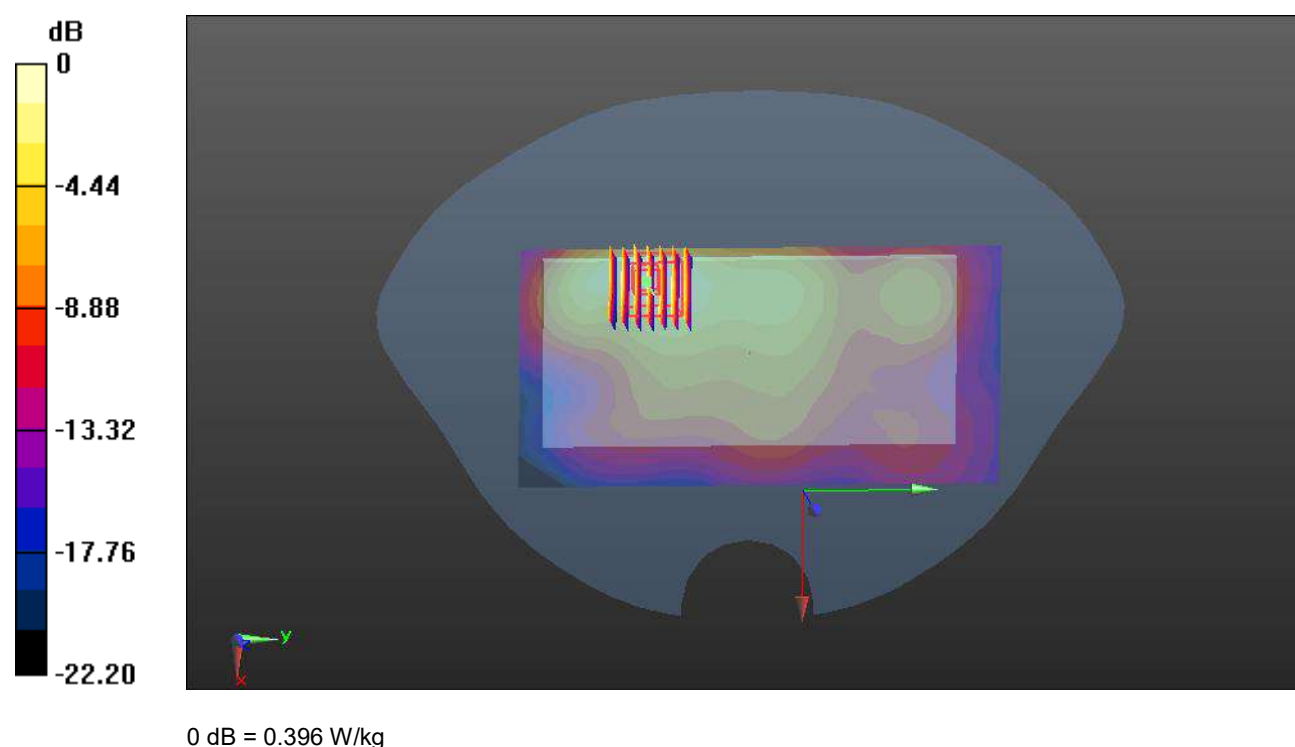
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.345 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.664 W/kg

SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.184 W/kg

Maximum value of SAR (measured) = 0.396 W/kg



Meas.76 Body Plane with Back Side 10mm on 513900 Channel in NR Band41 mode with Antenna 4

Date: 2023.07.04

Communication System Band: N41; Frequency: 2569.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2569.5$ MHz; $\sigma = 1.902$ S/m; $\epsilon_r = 38.815$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch513900/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

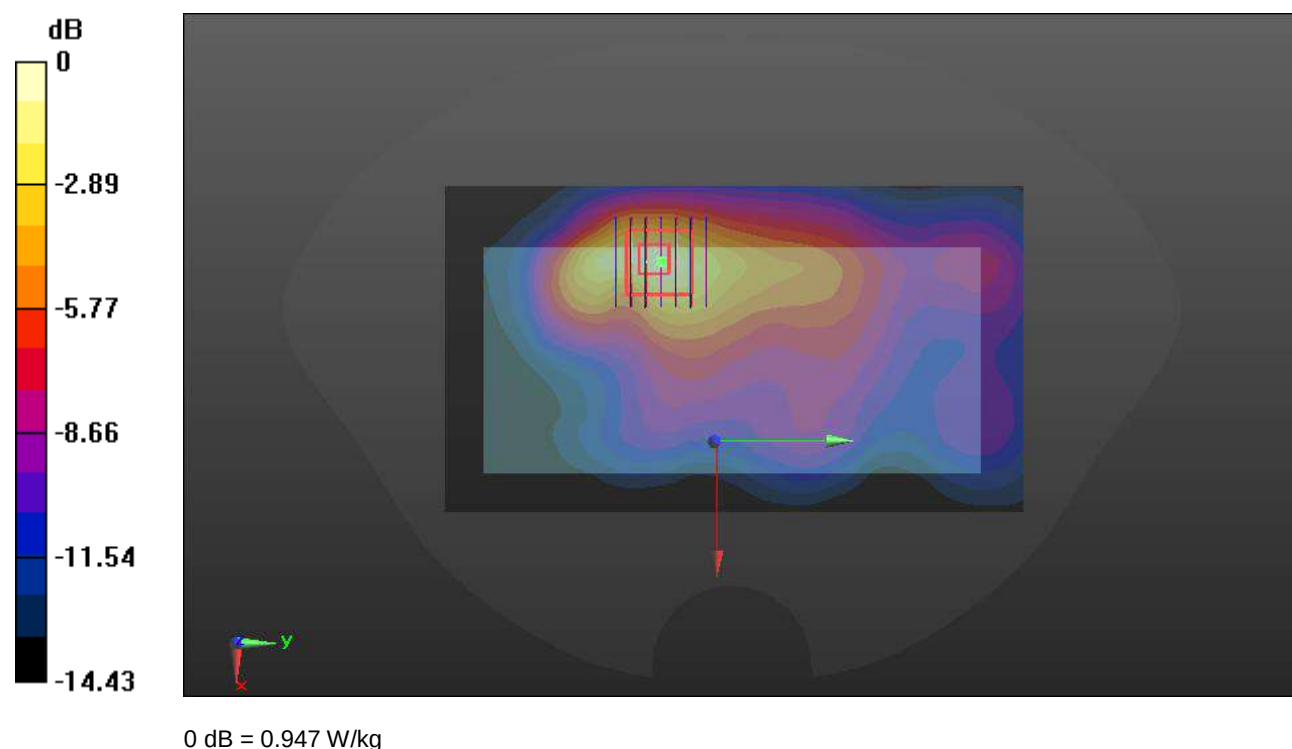
Ch513900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.110 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.839 W/kg; SAR(10 g) = 0.422 W/kg

Maximum value of SAR (measured) = 0.947 W/kg



Meas.77 Body Plane with Back Side 0mm on 513900 Channel in N41 with Antenna 4

Date: 2023.07.04

Communication System Band: N41; Frequency: 2569.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2569.5$ MHz; $\sigma = 1.902$ S/m; $\epsilon_r = 38.815$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.6, 7.6, 7.6); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch513900/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.15 W/kg

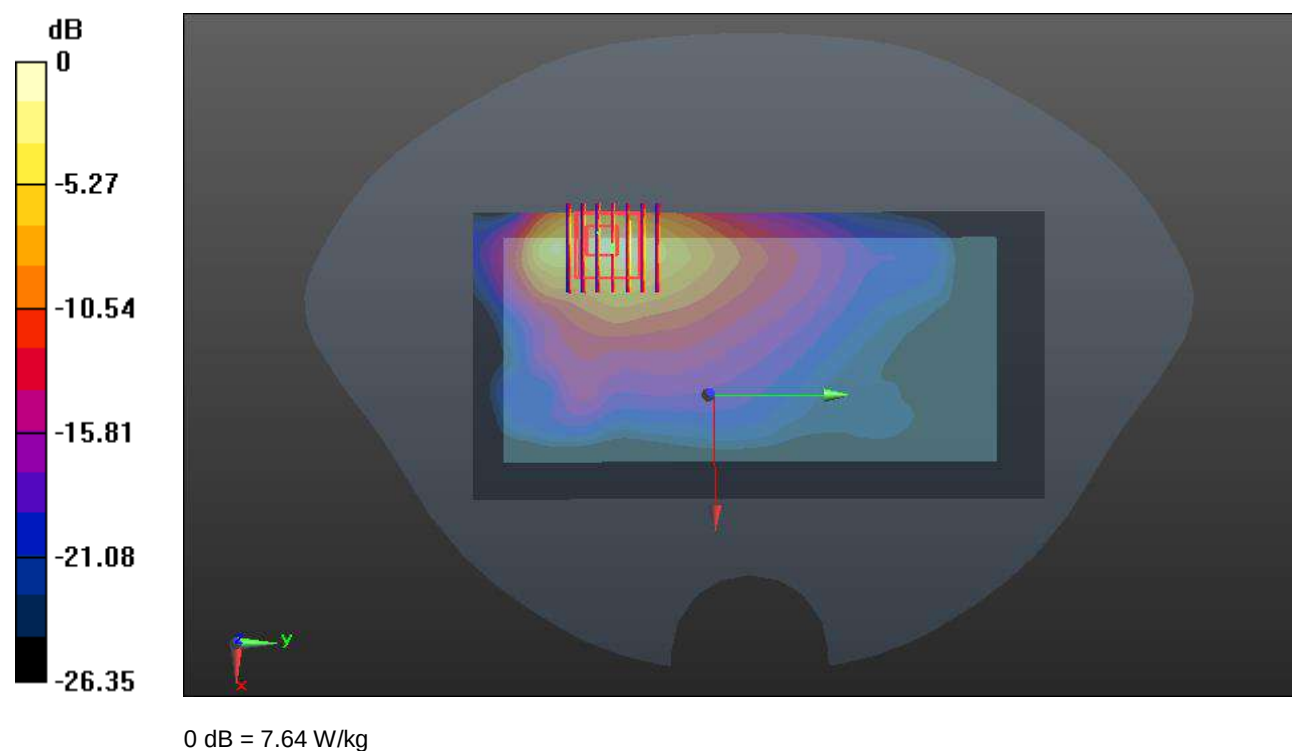
Ch513900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.624 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 18.1 W/kg

SAR(1 g) = 6.28 W/kg; SAR(10 g) = 2.39 W/kg

Maximum value of SAR (measured) = 7.64 W/kg



Meas.78 Right Head with Tilt on 350000 Channel N66 Mode with Antenna 1

Date: 2023.06.25

Communication System Band: N66; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 40.151$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch350000/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

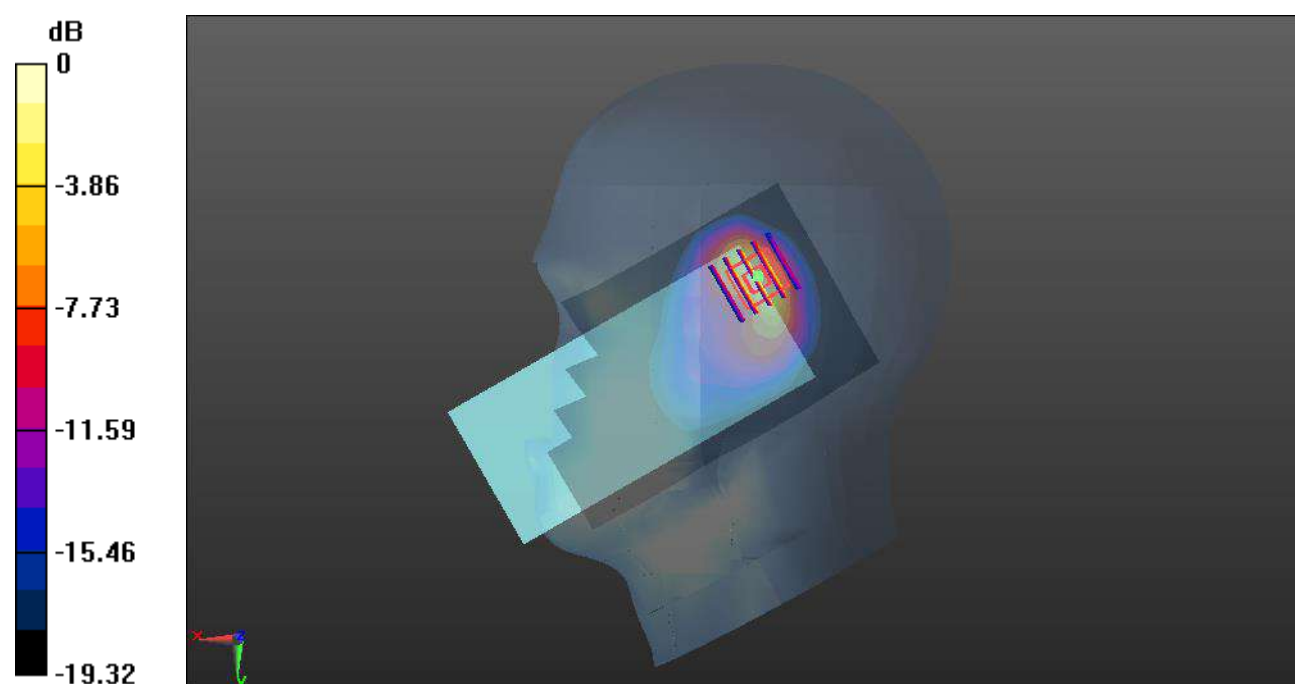
Ch350000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.19 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.904 W/kg; SAR(10 g) = 0.407 W/kg

Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg

Meas.79 Body Plane with Back Side 15mm on 349000 Channel in N66 with Antenna 0

Date: 2023.06.25

Communication System Band: N66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 40.243$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- 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) = 0.280 W/kg

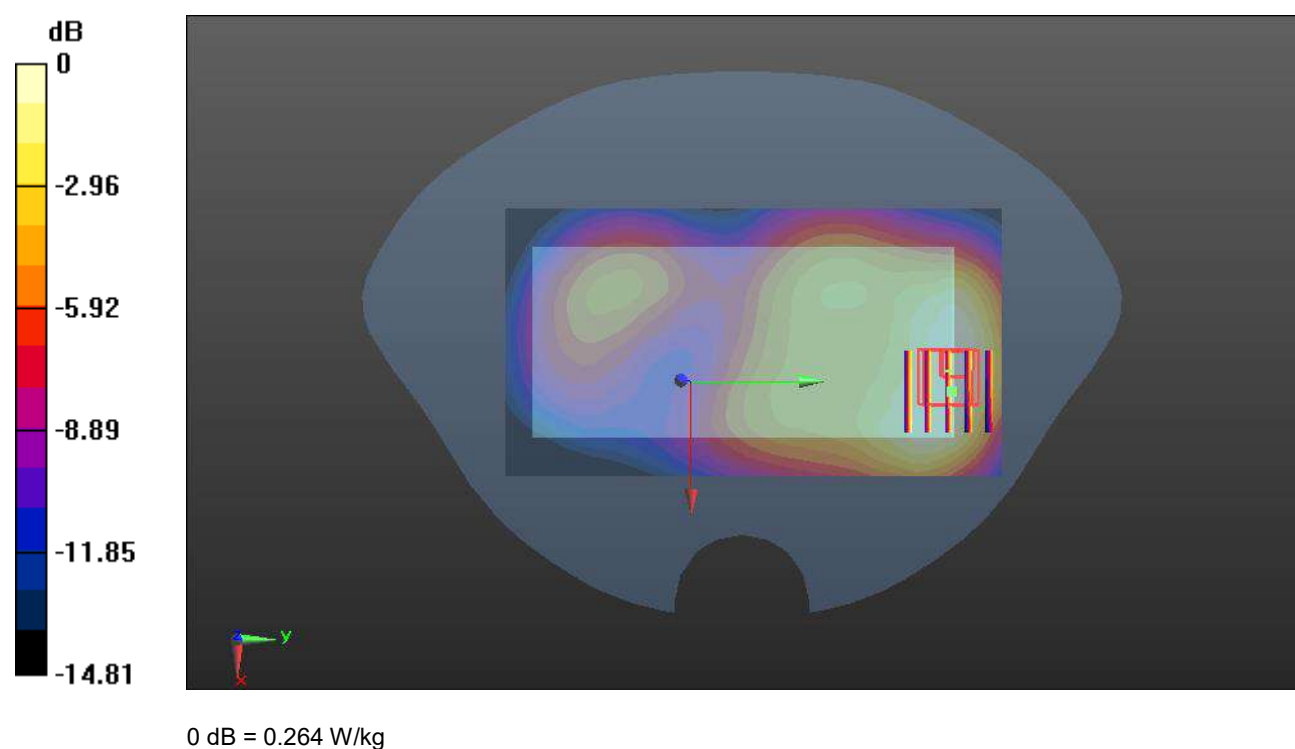
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.159 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.315 W/kg

SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.131 W/kg

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



Meas.80 Body Plane with Bottom Edge 10mm on Middle Channel in NR Band66 mode with Antenna 0

Date: 2023.06.25

Communication System Band: N66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 40.243$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch349000/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

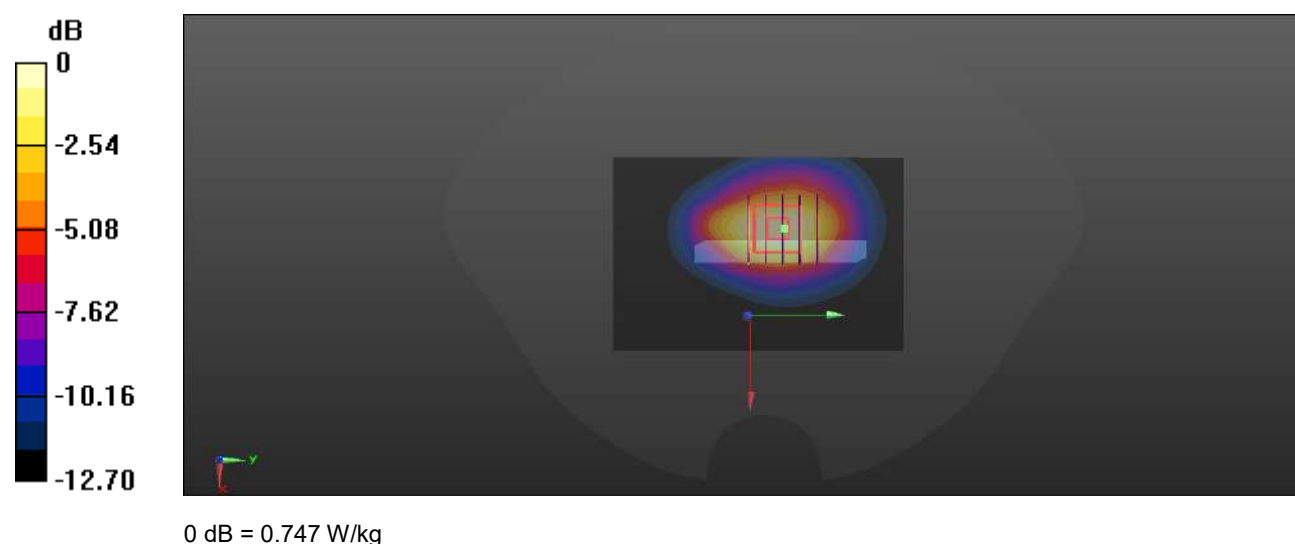
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.61 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.404 W/kg

Maximum value of SAR (measured) = 0.747 W/kg



Meas.81 Body Plane with Bottom Edge 0mm on 349000 Channel in N66 mode with Antenna 0

Date: 2023.06.25

Communication System Band: N66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 40.243$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.65, 8.65, 8.65); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch349000/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.85 W/kg

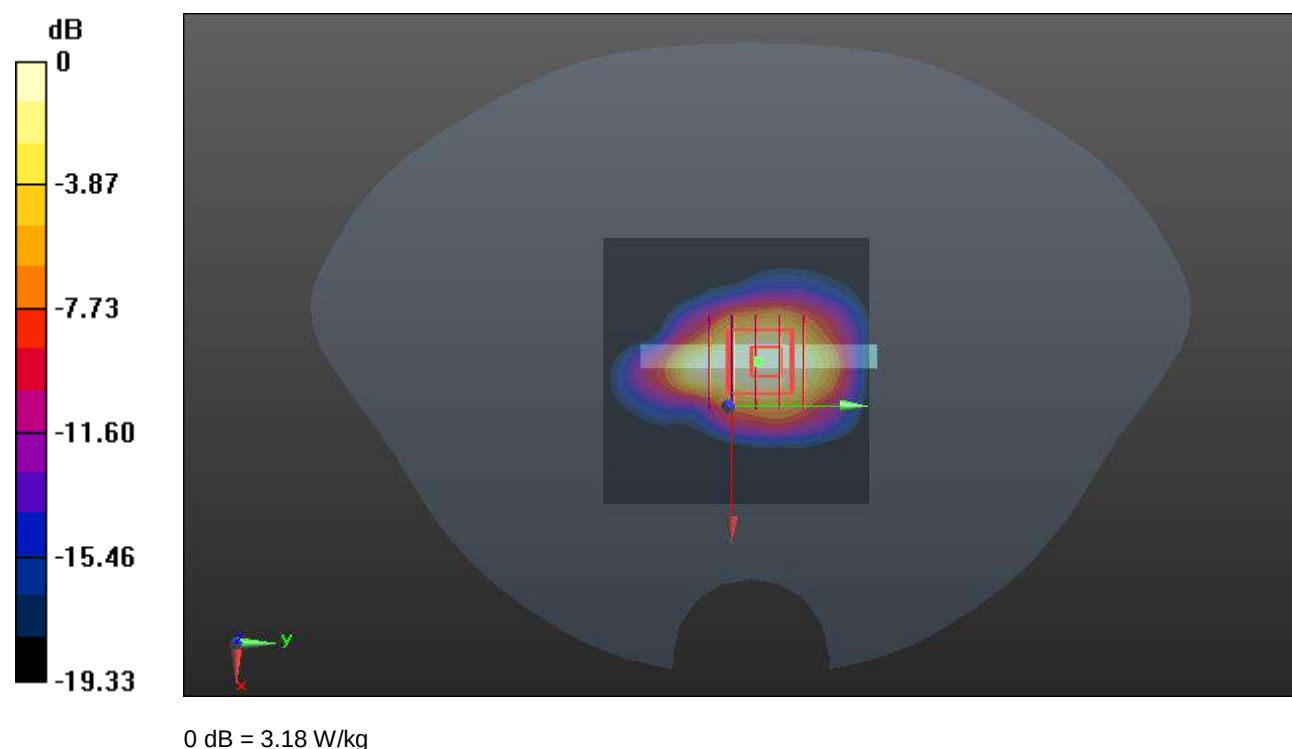
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.09 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 5.52 W/kg

SAR(1 g) = 2.93 W/kg; SAR(10 g) = 1.57 W/kg

Maximum value of SAR (measured) = 3.18 W/kg



Meas.82 Left Head with Cheek on 6 Channel in IEEE802.11b mode

Date: 2023.06.28

Communication System Band:WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.005

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.781$ S/m; $\epsilon_r = 39.788$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.6°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.466 W/kg

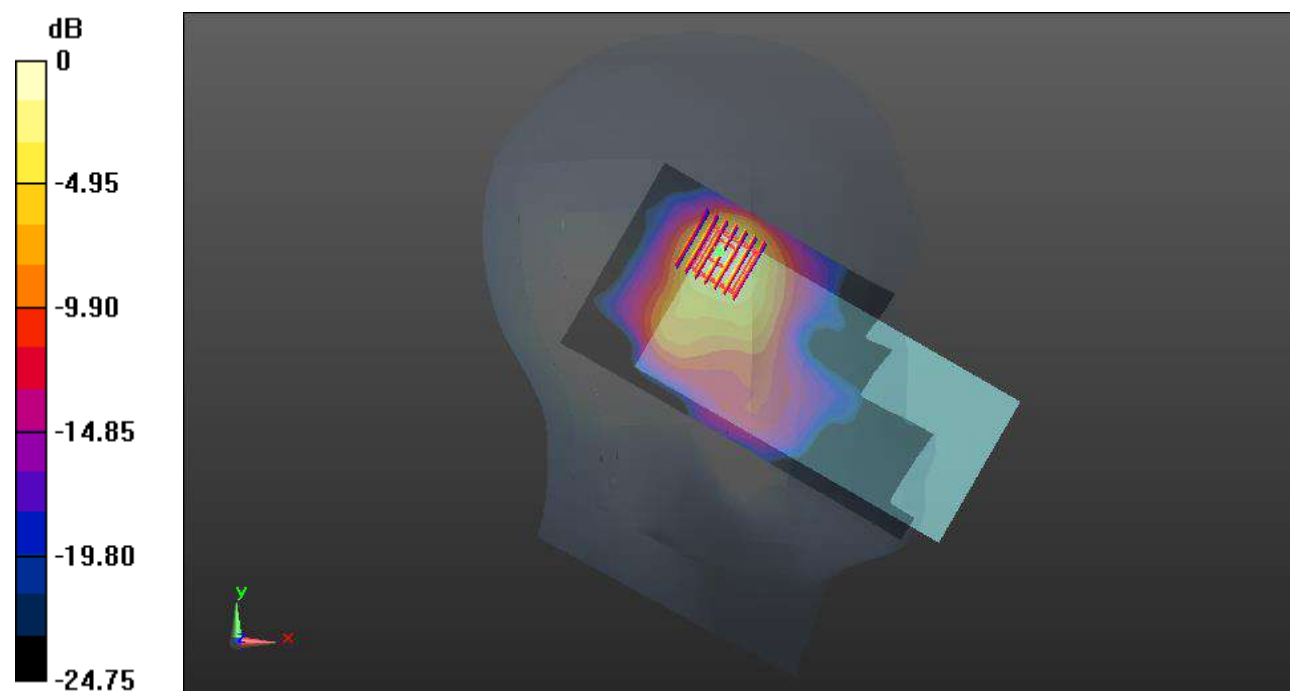
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.213 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.625 W/kg

SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.151 W/kg

Maximum value of SAR (measured) = 0.445 W/kg



0 dB = 0.445 W/kg

Meas.83 Body Plane with Back Side 15mm on 6 Channel in IEEE802.11b with Antenna 7

Date: 2023.06.28

Communication System Band: WLAN(b); Frequency: 2437 MHz; Duty Cycle: 1:1.005

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.781$ S/m; $\epsilon_r = 39.788$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (101x191x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0566 W/kg

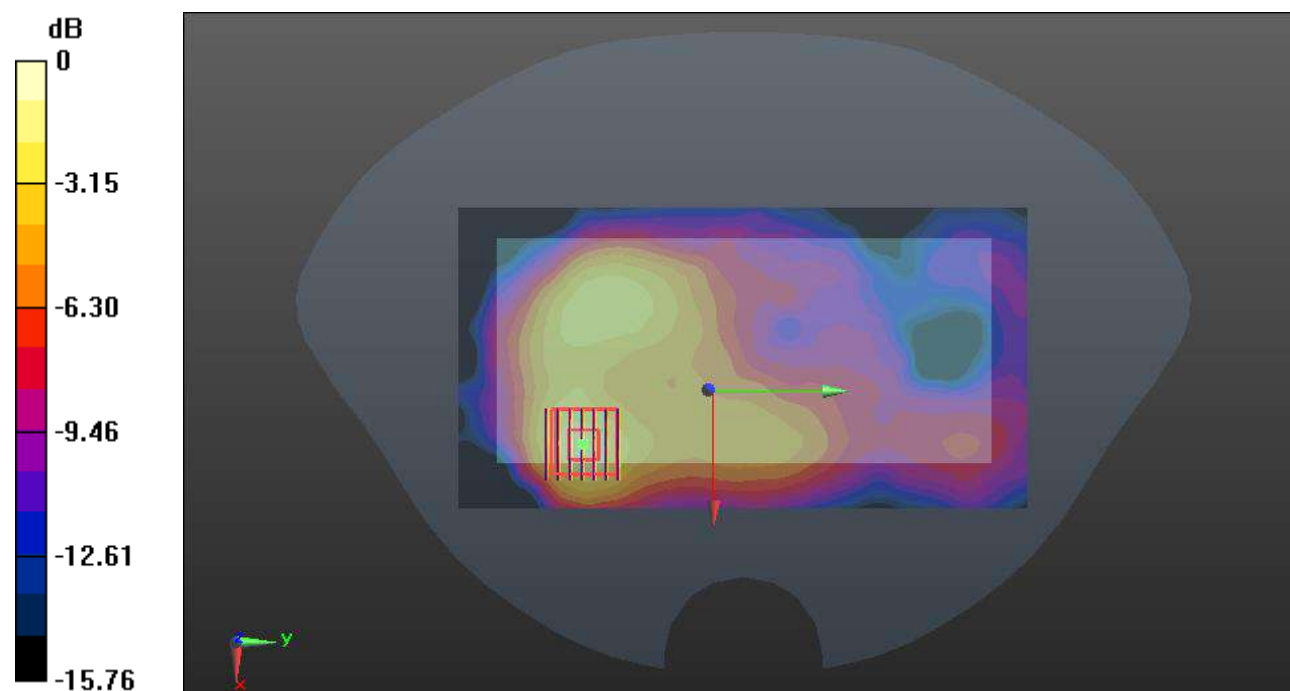
Ch6/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.721 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.0960 W/kg

SAR(1 g) = 0.050 W/kg; SAR(10 g) = 0.026 W/kg

Maximum value of SAR (measured) = 0.0728 W/kg



0 dB = 0.0728 W/kg

Meas.84 Body Plane with Back Side 10mm on 6 Channel in IEEE802.11b with Antenna 7

Date: 2023.06.28

Communication System Band: WLAN(b); Frequency: 2437 MHz; Duty Cycle: 1:1.005

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.781$ S/m; $\epsilon_r = 39.788$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (101x191x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.143 W/kg

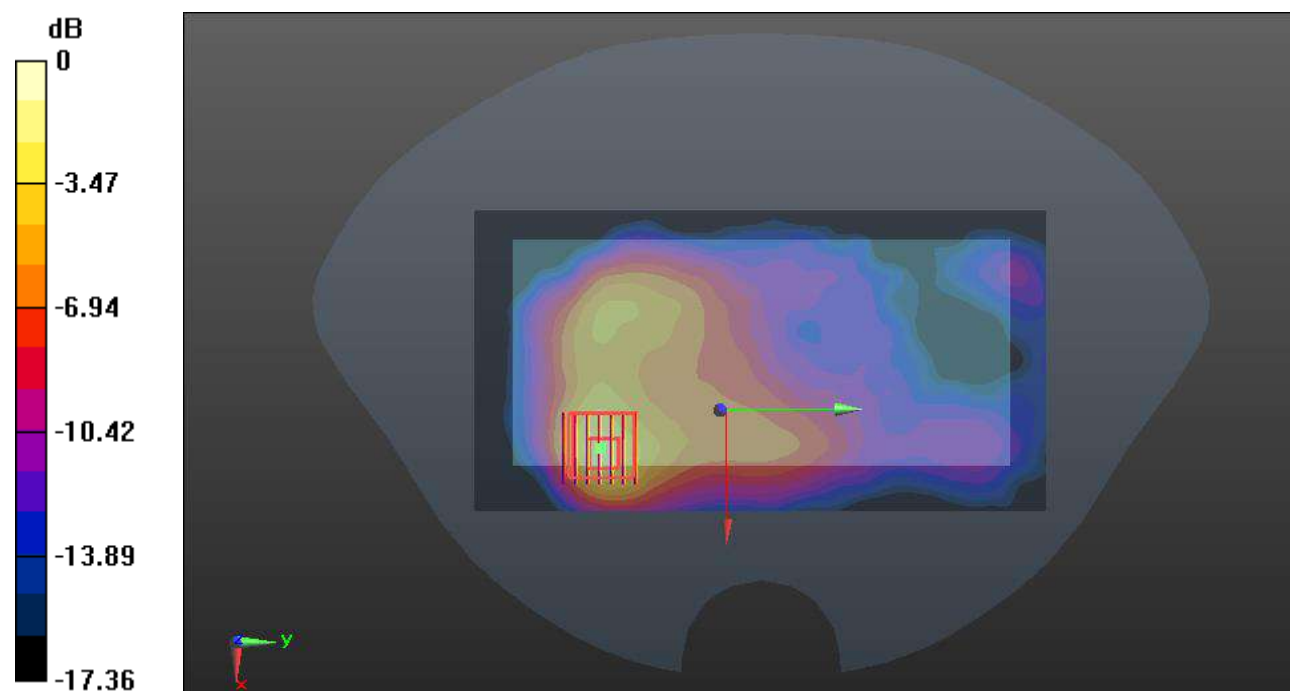
Ch6/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.585 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.060 W/kg

Maximum value of SAR (measured) = 0.193 W/kg



0 dB = 0.193 W/kg

Meas.85 Left Head with Cheek on 54 Channel in IEEE802.11n40 mode

Date: 2023.07.01

Communication System Band: WLAN(n40); Frequency: 5270 MHz; Duty Cycle: 1:1.055

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.743$ S/m; $\epsilon_r = 35.519$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.37, 5.37, 5.37); Calibrated: 2023.01.19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- 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) = 0.401 W/kg

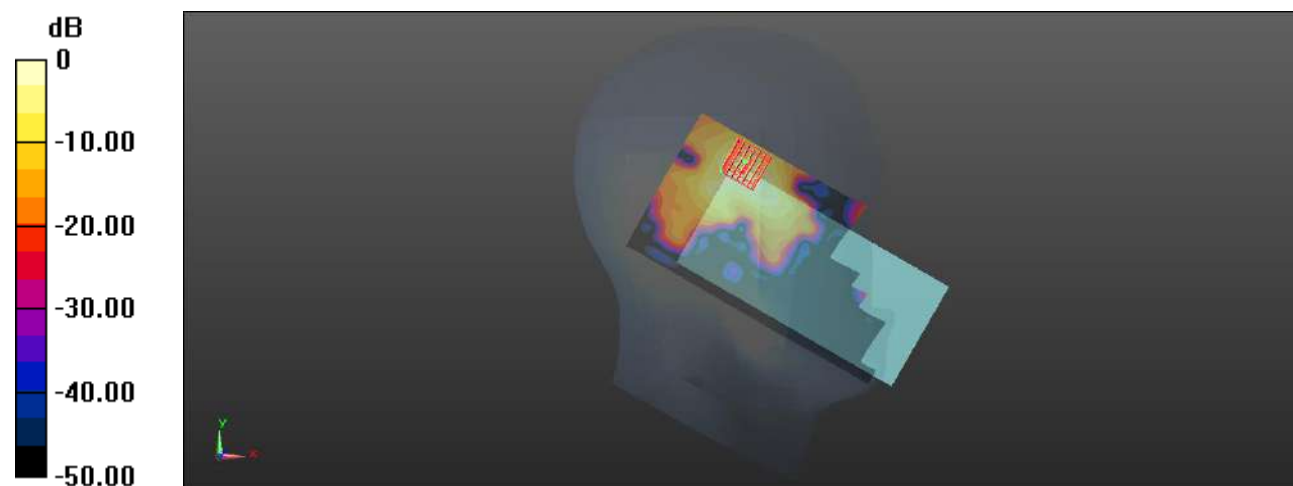
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.628 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.082 W/kg

Maximum value of SAR (measured) = 0.688 W/kg



0 dB = 0.688 W/kg

Meas.86 Left Head with Cheek on 140 Channel in IEEE802.11a mode

Date: 2023.07.02

Communication System Band: WLAN(a); Frequency: 5700 MHz; Duty Cycle: 1:1.024

Medium parameters used (interpolated): $f = 5700$ MHz; $\sigma = 5.213$ S/m; $\epsilon_r = 34.104$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.88, 4.88, 4.88); Calibrated: 2023.01.19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch140/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.879 W/kg

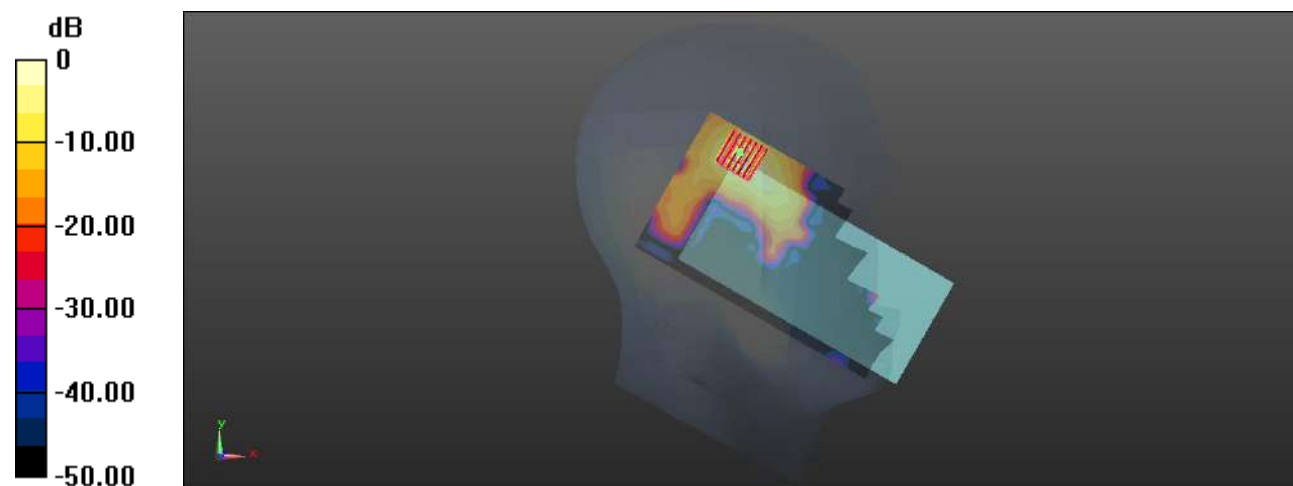
Ch140/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.133 W/kg

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



0 dB = 1.14 W/kg

Meas.87 Left Head with Cheek on 155 Channel in IEEE802.11ac80 mode

Date: 2023.07.03

Communication System Band: WLAN(ac80); Frequency: 5775 MHz; Duty Cycle: 1:1.108

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.223$ S/m; $\epsilon_r = 35.354$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.83, 4.83, 4.83); Calibrated: 2023.01.19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- 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) = 1.11 W/kg

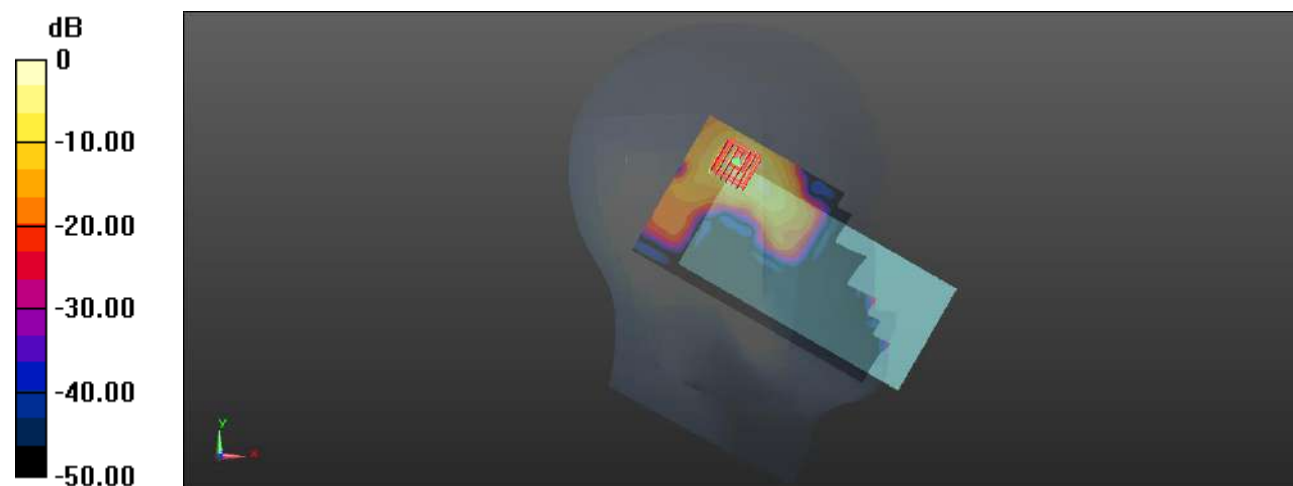
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 3.52 W/kg

SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.152 W/kg

Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg

Meas.88 Body Plane with Back Side 15mm on 54 Channel in IEEE802.11n40 with Antenna 7

Date: 2023.07.01

Communication System Band: WLAN(n40); Frequency: 5270 MHz; Duty Cycle: 1:1.055

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.743$ S/m; $\epsilon_r = 35.519$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.37, 5.37, 5.37); Calibrated: 2023.01.19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch54/Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0919 W/kg

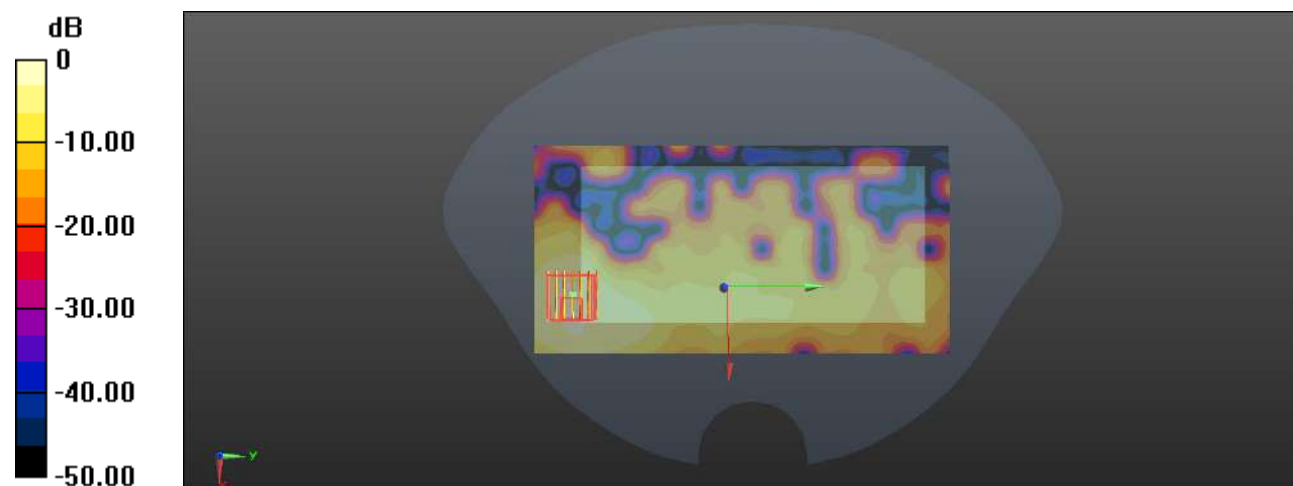
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.7530 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.338 W/kg

SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.039 W/kg

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



0 dB = 0.170 W/kg

Meas.89 Body Plane with Back Side 15mm on 140 Channel in IEEE802.11a with Antenna 7

Date: 2023.07.02

Communication System Band: WLAN(a); Frequency: 5700 MHz; Duty Cycle: 1:1.024

Medium parameters used (interpolated): $f = 5700$ MHz; $\sigma = 5.213$ S/m; $\epsilon_r = 34.104$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.88, 4.88, 4.88); Calibrated: 2023.01.19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch140/Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

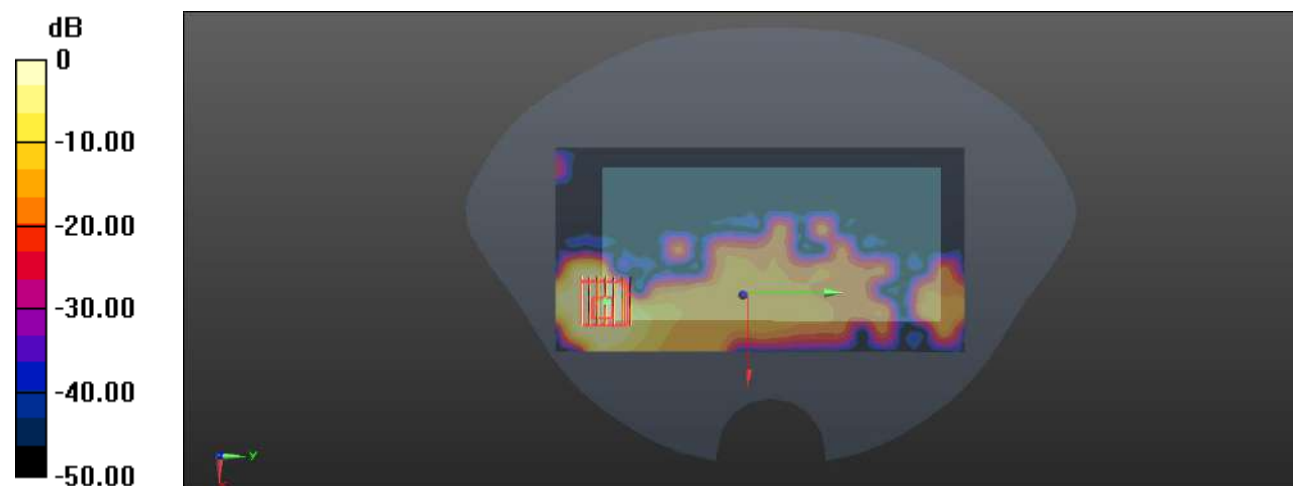
Ch140/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.8580 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.838 W/kg

SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.077 W/kg

Maximum value of SAR (measured) = 0.392 W/kg



0 dB = 0.392 W/kg

Meas.90 Body Plane with Back Side 15mm on 155 Channel in IEEE802.11ac80 with Antenna 7

Date: 2023.07.03

Communication System Band: WLAN(ac80); Frequency: 5775 MHz; Duty Cycle: 1:1.108

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.223$ S/m; $\epsilon_r = 35.354$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.83, 4.83, 4.83); Calibrated: 2023.01.19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.450 W/kg

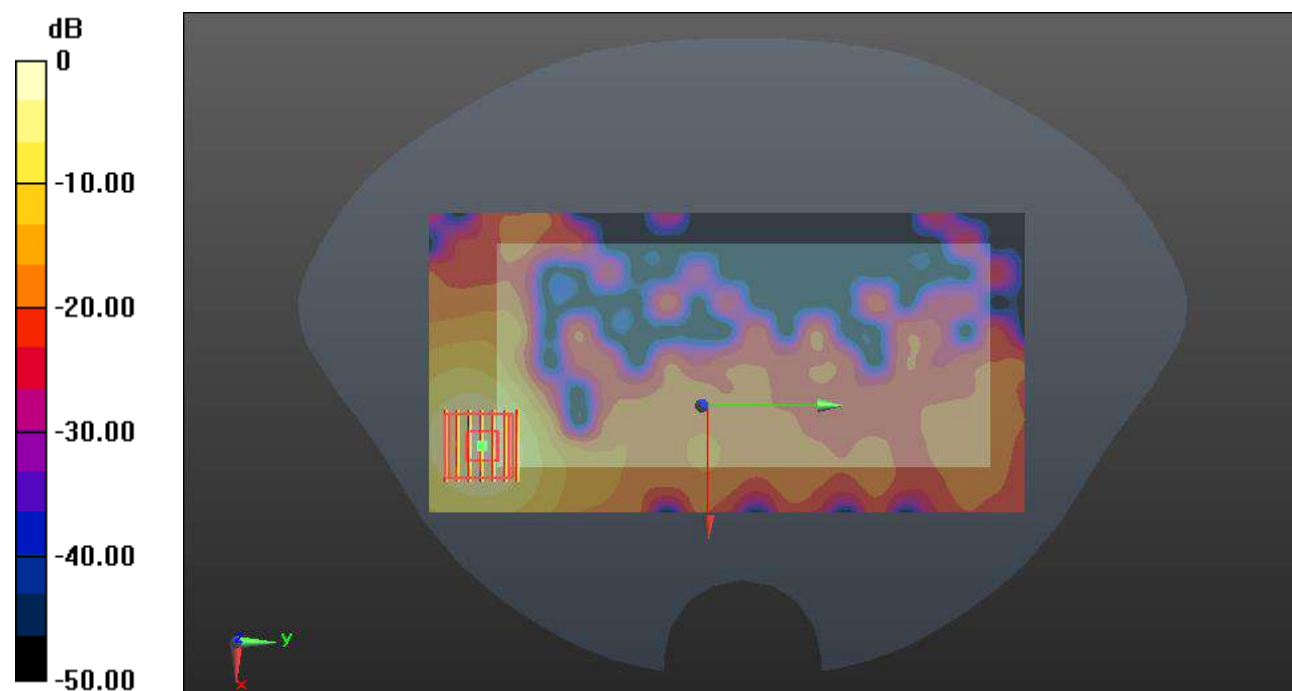
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.6720 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.175 W/kg

Maximum value of SAR (measured) = 0.851 W/kg



0 dB = 0.851 W/kg

Meas.91 Body Plane with Left Edge 10mm on 46 Channel in IEEE802.11n40 with Antenna 7

Date: 2023.07.01

Communication System Band: WLAN(n40); Frequency: 5230 MHz; Duty Cycle: 1:1.055

Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 4.663$ S/m; $\epsilon_r = 36.063$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.67, 5.67, 5.67); Calibrated: 2023.01.19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch46/Area Scan (81x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

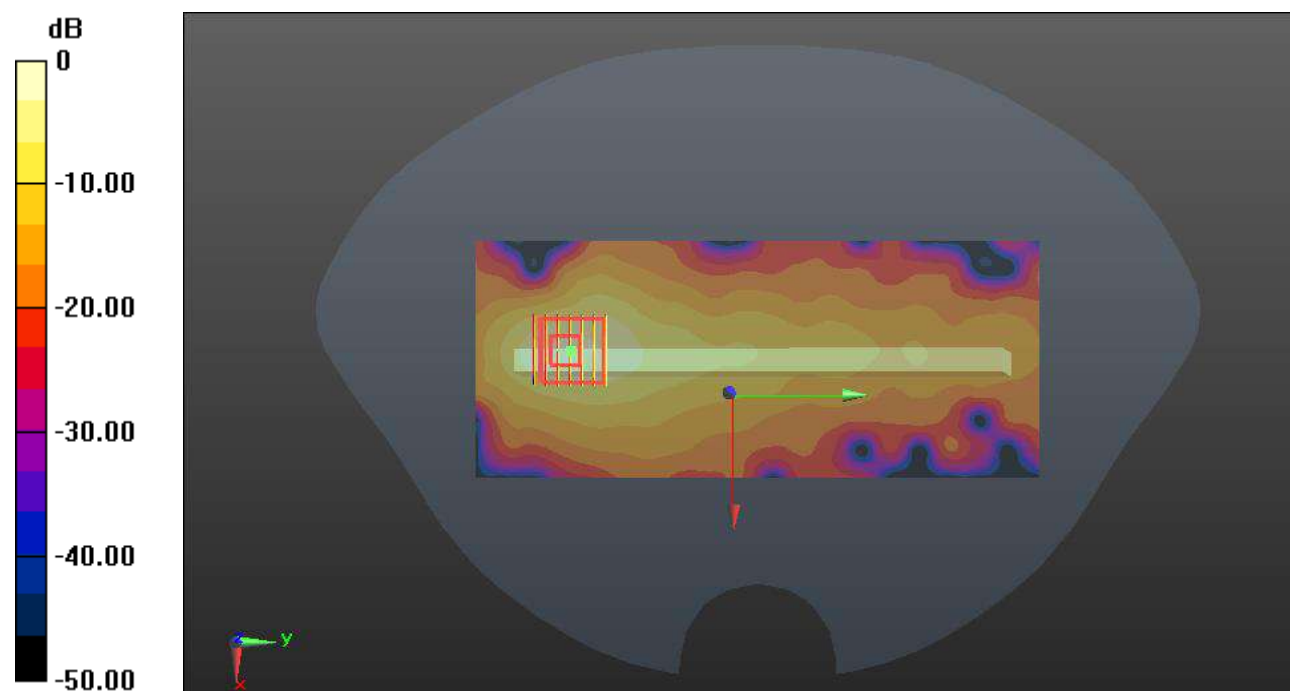
Ch46/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 3.466 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.577 W/kg



0 dB = 0.577 W/kg

Meas.92 Body Plane with Left Edge 10mm on 155 Channel in IEEE802.11ac80 with Antenna 7

Date: 2023.07.03

Communication System Band: WLAN(ac80); Frequency: 5775 MHz; Duty Cycle: 1:1.108

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.223$ S/m; $\epsilon_r = 35.354$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.83, 4.83, 4.83); Calibrated: 2023.01.19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.816 W/kg

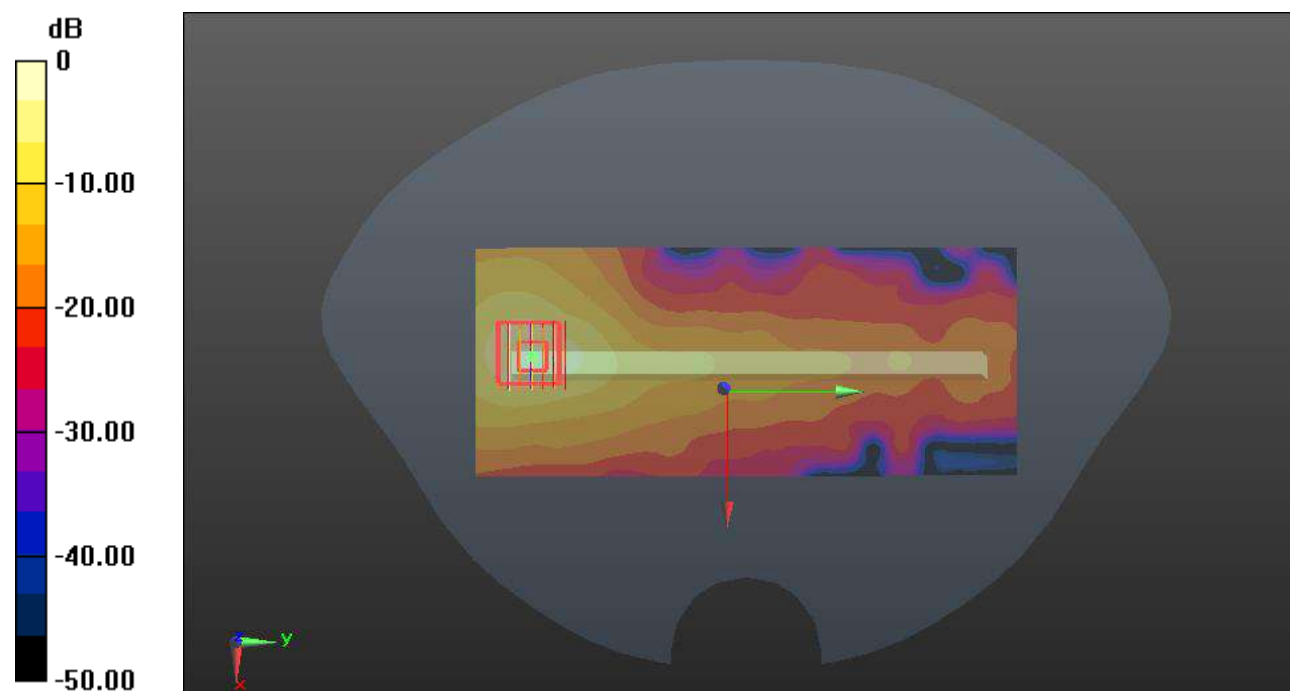
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.371 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 3.04 W/kg

SAR(1 g) = 0.789 W/kg; SAR(10 g) = 0.280 W/kg

Maximum value of SAR (measured) = 1.53 W/kg



Meas.93 Body Plane with Left Edge 0mm on 54 Channel in IEEE802.11n40 with Antenna 7

Date: 2023.07.01

Communication System Band: WLAN(n40); Frequency: 5270 MHz; Duty Cycle: 1:1.055

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.743$ S/m; $\epsilon_r = 35.519$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.37, 5.37, 5.37); Calibrated: 2023.01.19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch54/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 3.13 W/kg

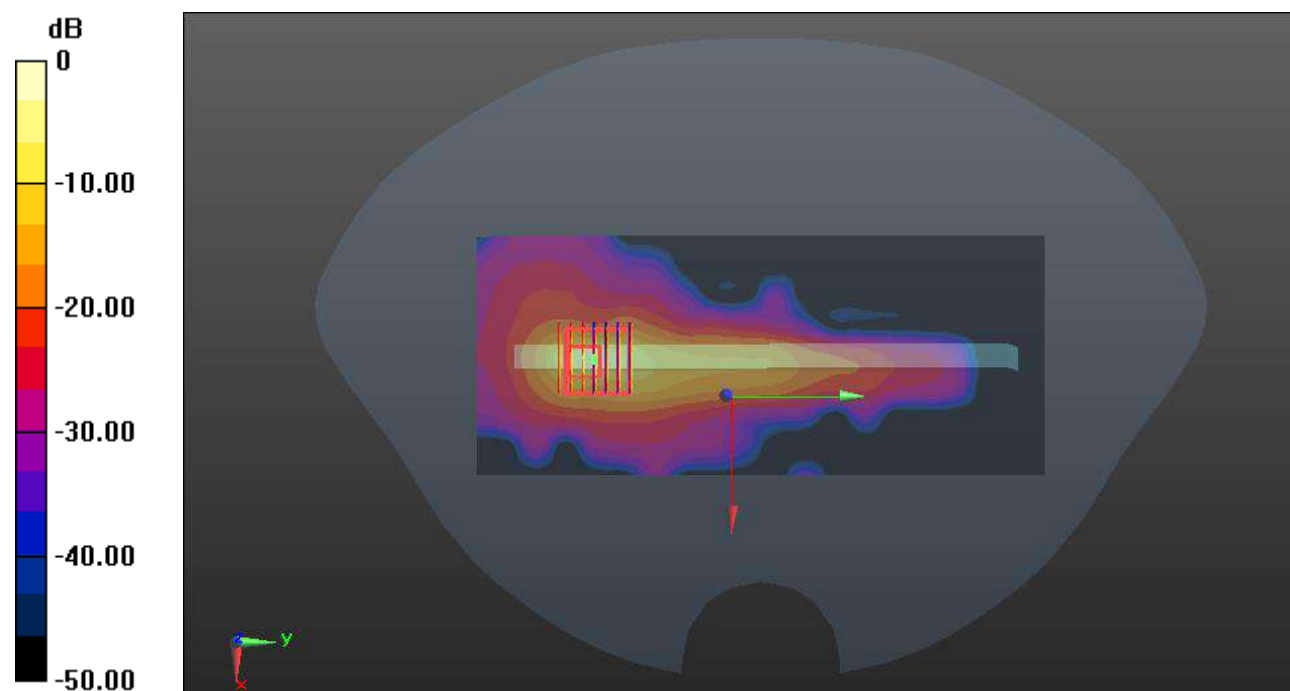
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.683 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 19.8 W/kg

SAR(1 g) = 3.04 W/kg; SAR(10 g) = 0.696 W/kg

Maximum value of SAR (measured) = 8.43 W/kg



0 dB = 8.43 W/kg

Meas.94 Body Plane with Left Edge 0mm on 140 Channel in IEEE802.11a with Antenna 7

Date: 2023.07.02

Communication System Band: WLAN(a); Frequency: 5700 MHz; Duty Cycle: 1:1.024

Medium parameters used (interpolated): $f = 5700$ MHz; $\sigma = 5.213$ S/m; $\epsilon_r = 34.104$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(4.88, 4.88, 4.88); Calibrated: 2023.01.19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch140/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.53 W/kg

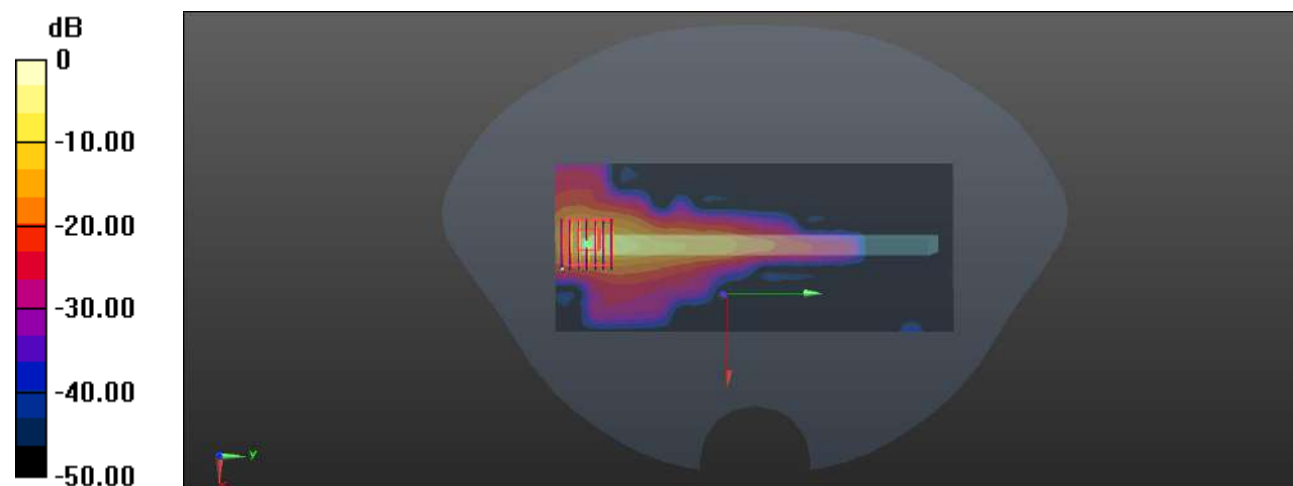
Ch140/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.897 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 23.4 W/kg

SAR(1 g) = 3.33 W/kg; SAR(10 g) = 0.684 W/kg

Maximum value of SAR (measured) = 9.06 W/kg



0 dB = 9.06 W/kg

Meas.95 Left Head with Cheek on 56 Channel in Bluetooth mode

Date: 2023.06.28

Communication System Band: Bluetooth; Frequency: 2458 MHz; Duty Cycle: 1:1.305

Medium parameters used (interpolated): $f = 2458$ MHz; $\sigma = 1.811$ S/m; $\epsilon_r = 39.582$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch56/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.278 W/kg

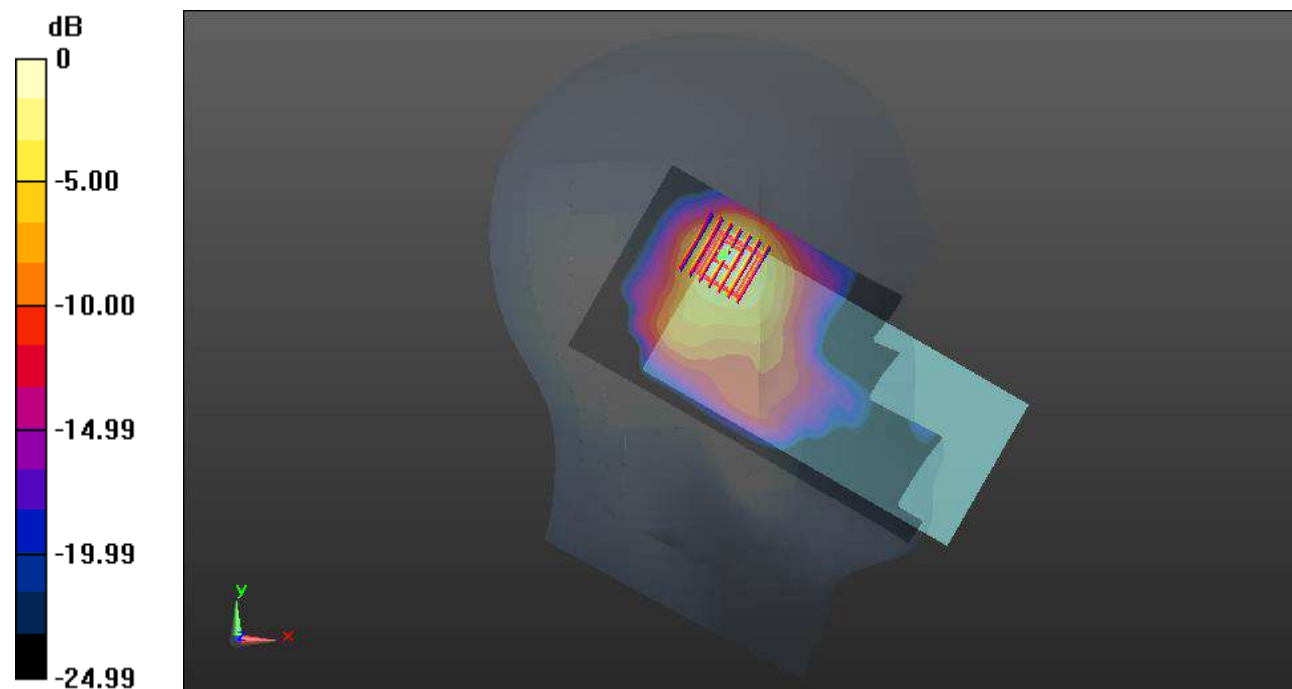
Ch56/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.599 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.352 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.085 W/kg

Maximum value of SAR (measured) = 0.249 W/kg



0 dB = 0.249 W/kg

Meas.96 Body Plane with Back Side 15mm on 56 Channel in Bluetooth with Antenna 7

Date: 2023.06.28

Communication System Band: Bluetooth; Frequency: 2458 MHz; Duty Cycle: 1:1.305

Medium parameters used (interpolated): $f = 2458$ MHz; $\sigma = 1.811$ S/m; $\epsilon_r = 39.582$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch56/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0319 W/kg

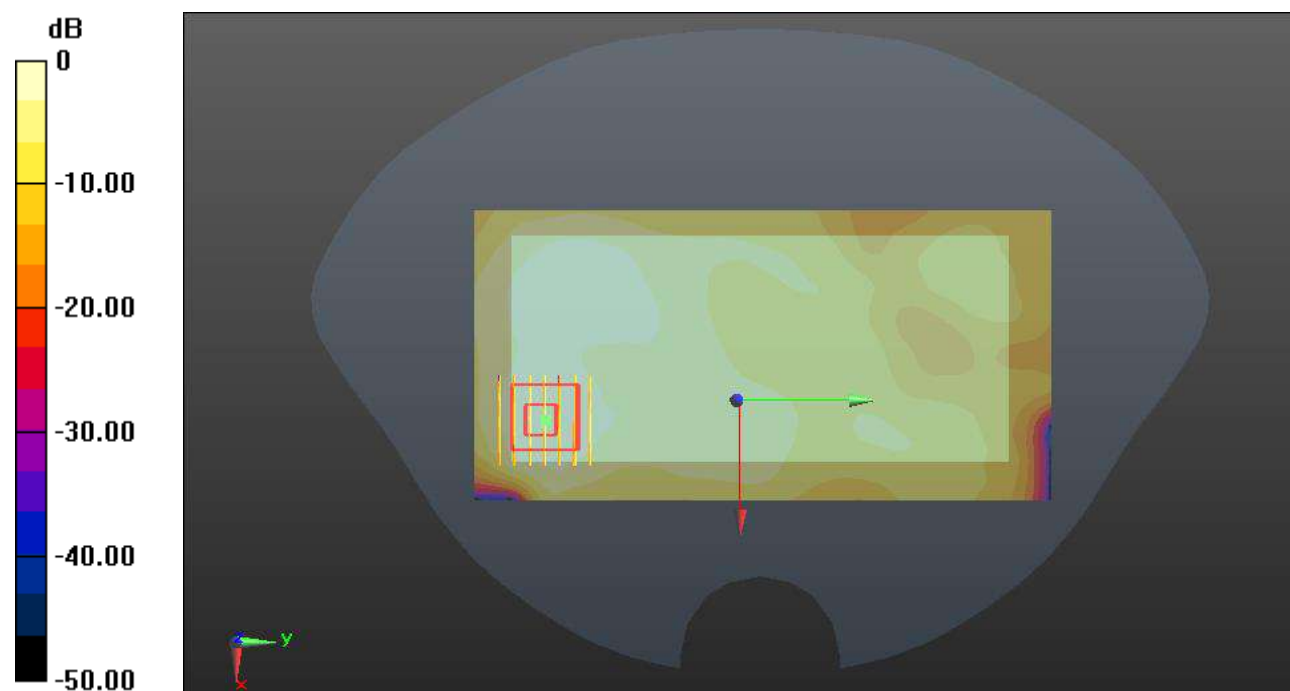
Ch56/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.461 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.0500 W/kg

SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.014 W/kg

Maximum value of SAR (measured) = 0.0312 W/kg



0 dB = 0.0312 W/kg

Meas.97 Body Plane with Back Side 10mm on 56 Channel in Bluetooth with Antenna 7

Date: 2023.06.28

Communication System Band: Bluetooth; Frequency: 2458 MHz; Duty Cycle: 1:1.305

Medium parameters used (interpolated): $f = 2458$ MHz; $\sigma = 1.811$ S/m; $\epsilon_r = 39.582$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2023.03.20
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch56/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0678 W/kg

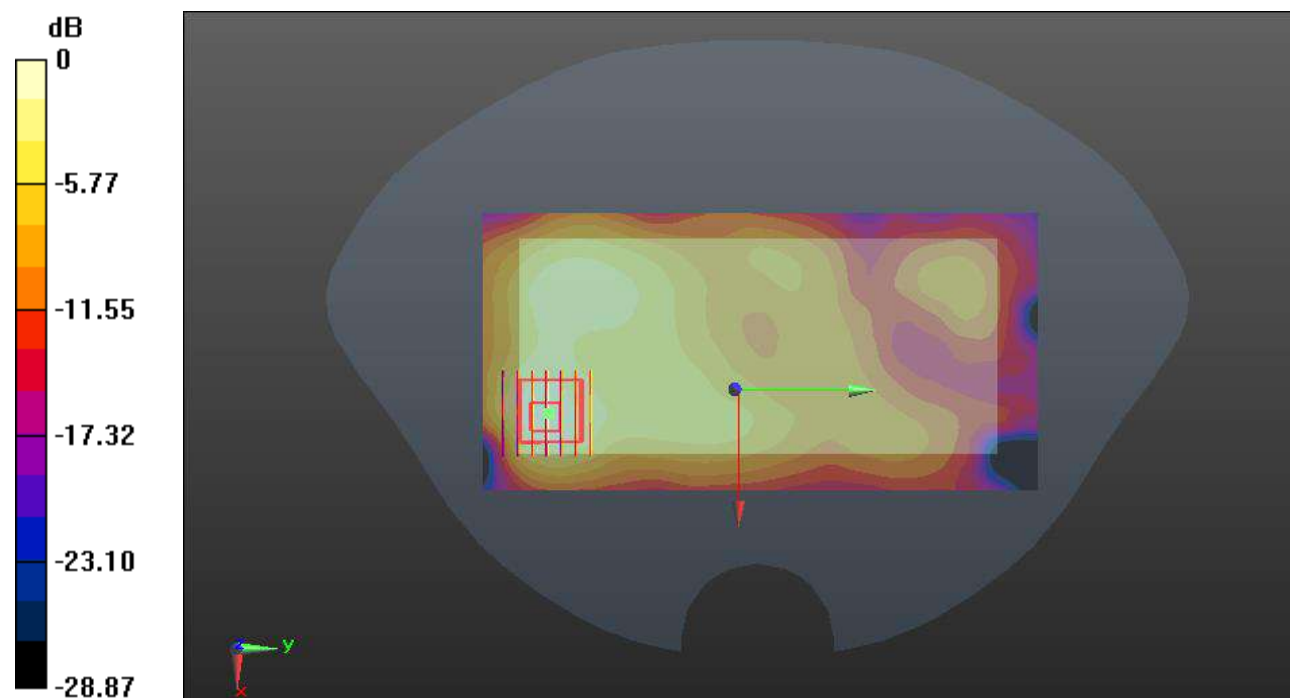
Ch56/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.589 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.127 W/kg

SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.028 W/kg

Maximum value of SAR (measured) = 0.0660 W/kg



ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2360554-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2360554-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2360554-AC.pdf”.

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