

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: CPH2531
Brand Name: OPPO
FCC ID: R9C-CPH2531
Test Standard: FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR: Head (1 g): 1.13 W/kg
Body (1 g): 0.33 W/kg
Hotspot (1 g): 0.90 W/kg
Specific (10 g): 2.78 W/kg
Sample Arrival Date: Feb. 28, 2023
Test Date: Apr. 03, 2023 - May 03, 2023
Date of Issue: May 11, 2023

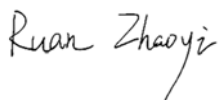
ISSUED BY:

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(Testing Director)



Revision History		
Version	Issue Date	Revisions
Rev. 01	May 09, 2023	Initial Issue
Rev. 02	May 11, 2023	Updated Test Result, Test equipments List and Test Log

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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	<input checked="" type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	<input type="checkbox"/> 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 Factory Information

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

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	CPH2531
Series Model Name	N/A
Description of Model Name Differentiation	N/A
Hardware Version	11
Software Version	ColorOS 13.1
Dimensions (Approx.)	162.43*74.19*7.99 mm
Weight (Approx.)	185g±3g (with battery)
EUT ID	S56, S57, S60, S61
IMEI Number	S56: IMEI1#: 865303060032390 IMEI2#: 865303060032382
	S57: IMEI1#: 865303060032317 IMEI2#: 865303060032309
	S60: IMEI1#: 865303060028034 IMEI2#: 865303060028026
	S61: IMEI1#: 865303060027770 IMEI2#: 865303060027762
Note1: EUT ID is used to identify the test sample in the lab internally.	
Note2: It is performed to test SAR with the EUT S60 and S61 and conducted power with the EUT S56 and S57.	

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	SUPERVOOC
	Model No.	BLPA05
	Serial No.	N/A
	Capacitance	Rated: 4870mAh/18.94Wh Typical: 5000mAh/19.45Wh
	Rated Voltage	3.89V
	Limited Voltage	4.48V
	Manufacturer	DONGGUAN NVT TECHNOLOGY CO., LTD

2.6 Technical Information

<p>Network and Wireless connectivity</p>	<p>2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/13/17/18/19/26/66 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: DC_2A_n7A, DC_2A_n66A, DC_5A_n7A, DC_5A_n66A, DC_7A_n5A, DC_7_n66A, DC_12_n66A, DC_26A_n41A, DC_66A_n5A, DC_66A_n7A, DC_66A_n38A, DC_66A_n41A Bluetooth 5.3 (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), VHT20/40 and 802.11ax(HE20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) and 802.11ax(HE20/40/80) U-NII-1/2A/2C/3, GPS, NFC, BeiDou, Galileo, GLONASS, SBAS</p>
<p>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.</p>	

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

Operating Mode	GSM, WCDMA, LTE, 2.4G WLAN, 5G WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	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)	2400 ~ 2483.5 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40 /VHT80)	5150 ~ 5250 MHz	
5250 ~ 5350 MHz			
5470 ~ 5725 MHz			
Bluetooth	2402 ~ 2480 MHz		
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna		
DTM	N/A		
Hotspot Function	Support		
Power Reduction	Support		
Exposure Category	General Population/Uncontrolled exposure		
EUT Stage	Portable Device		

Product	Type	
	<input checked="" type="checkbox"/> Production unit	<input type="checkbox"/> Identical prototype
<p>Note:</p> <ol style="list-style-type: none"> 1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for held-to-ear exposure conditions. 2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for near to body exposure conditions. 3. The reduction power details please refer section 8.10. 4. This device supports both LTE Band 26/12 and Band 18&19/17. Since the supported frequency span for LTE Band 18&19/17 falls completely within the supports frequency span for LTE Band 26/12, both LTE bands have the same target power, and both LTE bands share the same transmission path; therefore, SAR was only assessed for LTE Band 26/12. 5. For 5G NR test, using FTM (Factory Test Mode) with 100% duty cycle transmission to perform SAR testing. 6. 5GNR n41 support class 2 and class3. class 2 and Class 3 power testing performed separately. Due to class 2 power is higher than power class 3, and SAR test using FTM with 100% duty cycle transmission, so only n41 power class 2 to perform SAR , and using more conservative SAR values to consider standalone and simultaneous transmission evaluation. 		

3 SUMMARY OF TEST RESULT

3.1 Test Standards

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

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR (1 g Value)

Equipment Class	Band	Maximum Scaled SAR (W/kg)				Maximum Report SAR (W/kg)			
		Head (0mm)	Body-worn (10mm)	Hotspot (10mm)	Specific (0mm)	Head (0mm)	Body-worn (10mm)	Hotspot (10mm)	Specific (0mm)
		1g SAR			10g SAR	1g SAR			10g SAR
PCE	GSM 850	0.17	0.20	0.33	/	1.13	0.33	0.90	2.78
	GSM 1900	1.01	0.17	0.41	/				
	WCDMA Band 2	0.79	0.20	0.36	/				
	WCDMA Band 4	0.84	0.20	0.37	/				
	WCDMA Band 5	0.25	0.14	0.17	/				
	LTE Band 2	0.82	0.19	0.36	1.48				
	LTE Band 4	0.69	0.21	0.46	/				
	LTE Band 5	0.23	0.14	0.21	/				
	LTE Band 7	0.77	0.26	0.38	2.48				
	LTE Band 12	0.25	0.20	0.23	/				
	LTE Band 13	0.04	0.07	0.10	/				
	LTE Band 26	0.23	0.15	0.22	/				
	LTE Band 66	0.69	0.23	0.38	/				
	LTE Band 38	0.81	0.26	0.38	/				
	LTE Band 41	1.13	0.33	0.83	2.78				
	NR n5	0.24	0.15	0.24	/				
	NR n7	0.79	0.27	0.45	1.71				
	NR n38	0.57	0.20	0.36	/				
NR n41	0.64	0.30	0.41	1.49					
NR n66	0.86	0.16	0.32	1.53					
DTS	2.4G WLAN	0.75	0.19	0.67	/				
NII	5.2G WLAN	/	/	0.54	/				
	5.3G WLAN	1.01	0.16	/	0.95				
	5.6G WLAN	1.02	0.20	/	0.95				
	5.8G WLAN	0.93	0.32	0.90	/				
DSS	Bluetooth	0.45	0.05	0.10	/				
Limit (W/kg)		1.6			4.0	1.6			4.0
Verdict		PASS							

This device supports both LTE Band 26/12 and Band 18&19/17. Since the supported frequency span for LTE Band 18&19/17 falls completely within the supports frequency span for LTE Band 26/12, both LTE bands have the same target power, and both LTE bands share the same transmission path; therefore, SAR was only assessed for LTE

Band 26/12.

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)			
	Head 1g (0mm)	Body-worn 1g (0mm)	Hotspot 1g (10mm)	Specific 10g (0mm)
PCE	1.310	0.454	0.988	2.616
DTS	1.310	0.398	0.988	/
NII	1.310	0.454	0.920	2.616
DSS	1.164	0.373	0.988	/
Limit (W/Kg)	1.60	1.60	1.60	4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 12.2				

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 1.13 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 2.78 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

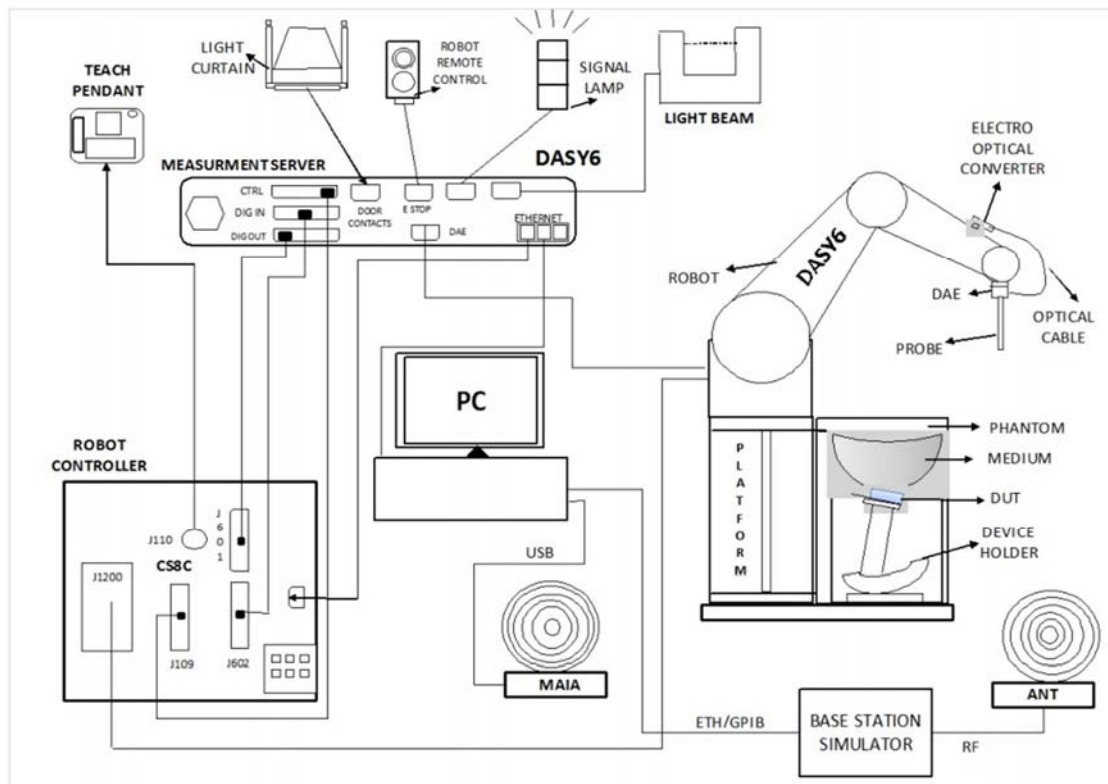
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

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



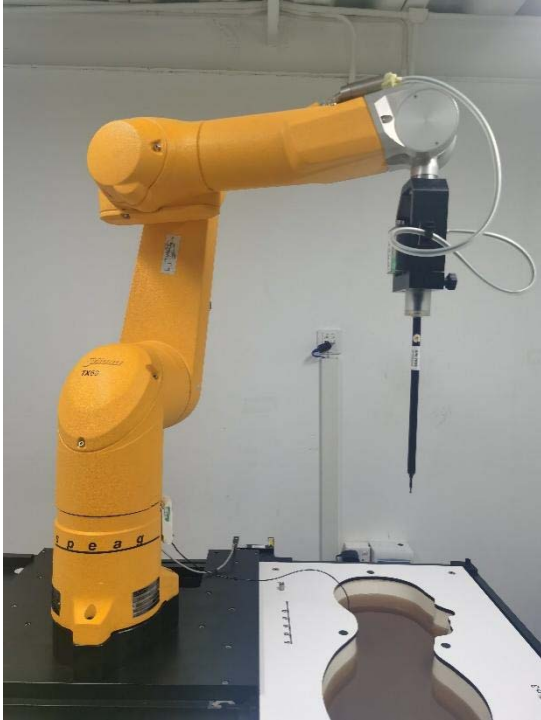
The DASY system for performing compliance tests consists of the following items:

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

11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

4.2.2 Robot

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



- 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 fields 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:7607 and SN:7510 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., glycoether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	4 MHz to 10 GHz; Linearity: ± 0.2 dB
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 IEC/IEEE 62209-1528 and IEEE 1528 std, with CALISAR, Antennessa proprietary calibration system. The calibration is performed with the IEC/IEEE 62209-1528 annexe technique using reference guide at the five frequencies.

4.2.4 Data Acquisition Electronics

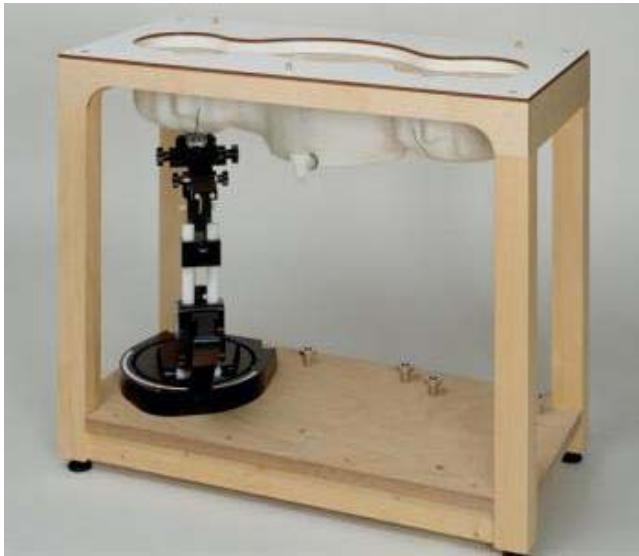
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



- Left hand
- Right hand
- Flat phantom

Photo of Phantom SN1857



Photo of Phantom SN1576



Serial Number	Material	Length	Height
---------------	----------	--------	--------

SN 1576 SAM1	Vinylester, glass fiber reinforced	1000	500
SN 1857 SAM1	Vinylester, glass fiber reinforced	1000	500

4.2.6 Device Holder

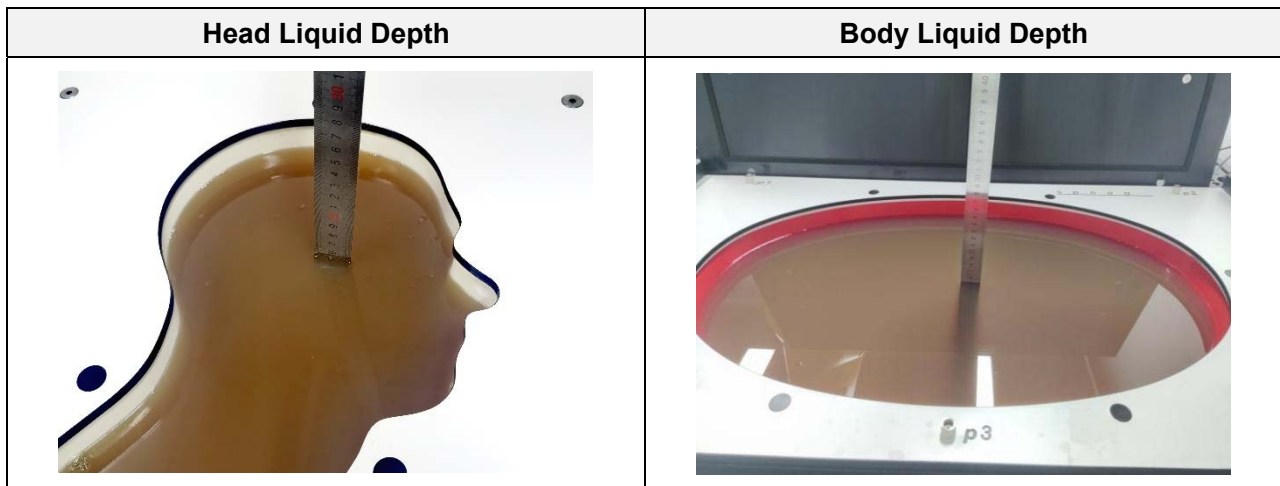
The DASY device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65°. The bottom plate contains three pair of bolts for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



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

4.2.7 Simulating Liquid

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



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

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	Ethanediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol

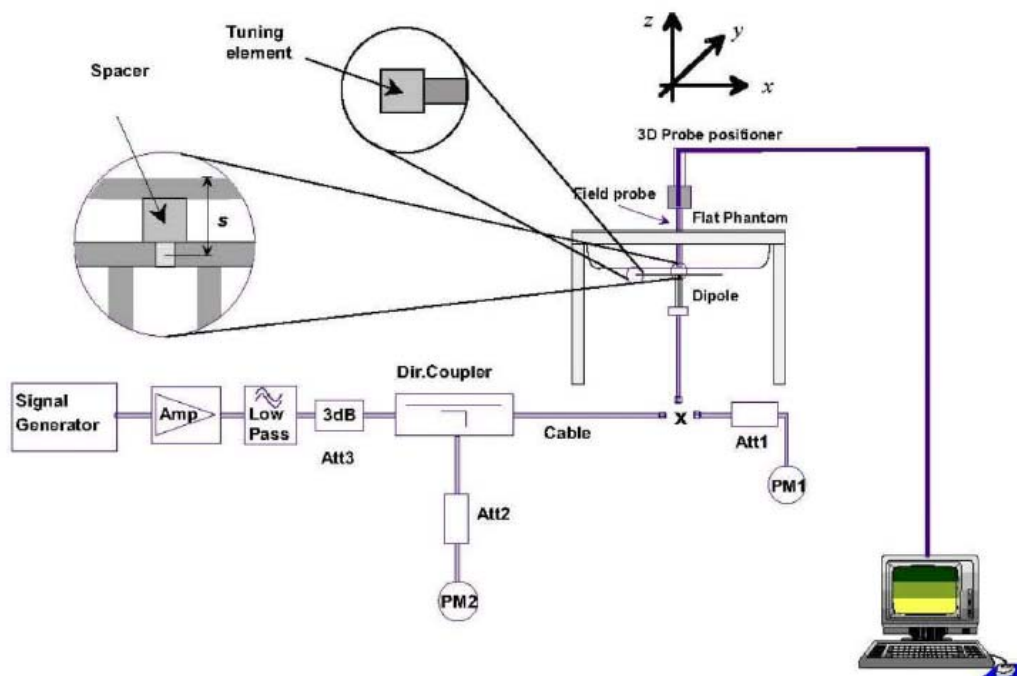
5 SYSTEM VERIFICATION

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

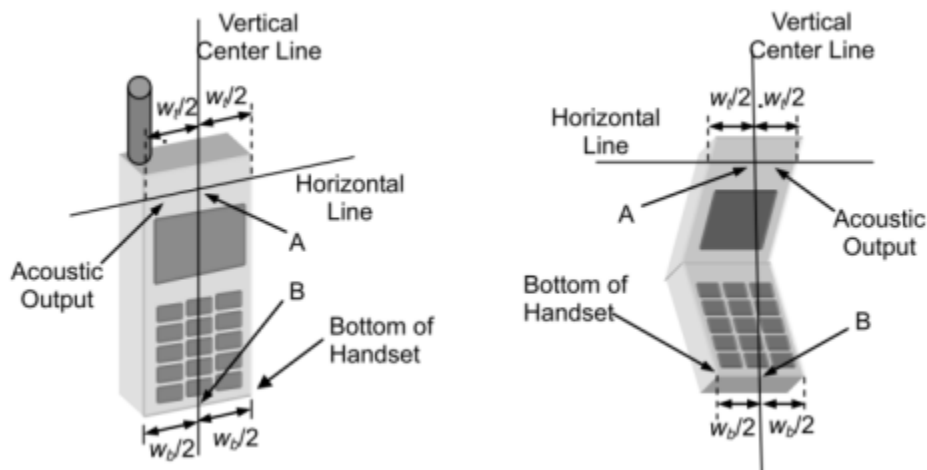
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

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.

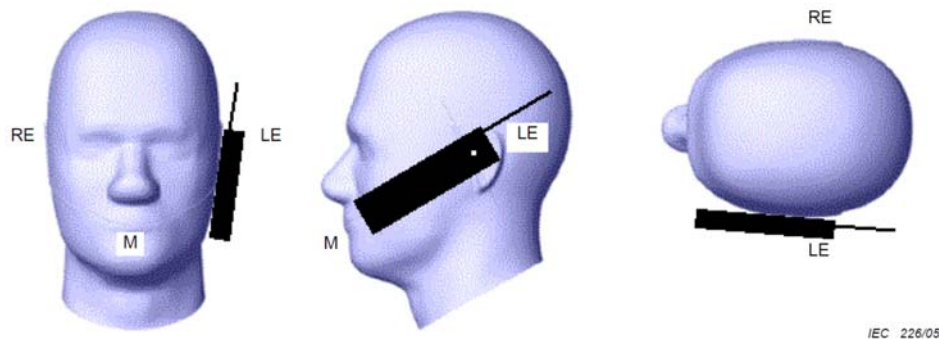
6.1.1 Two Imaginary Lines on the Handset

- 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.



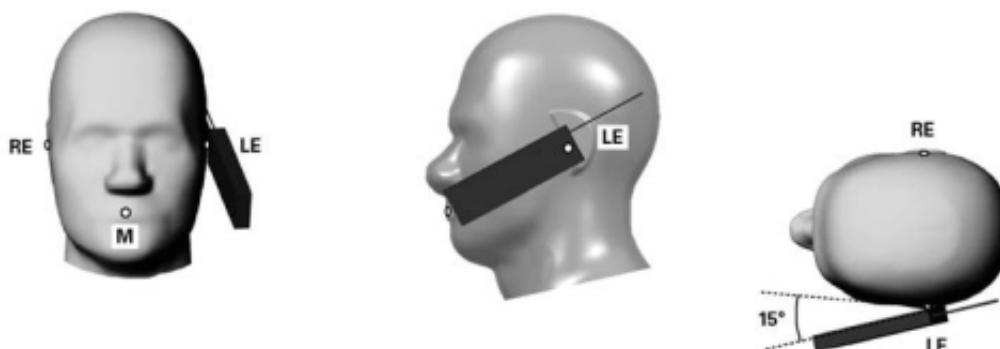
6.1.2 Cheek Position

- (a) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.
- (b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.



6.1.3 Tilted Position

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

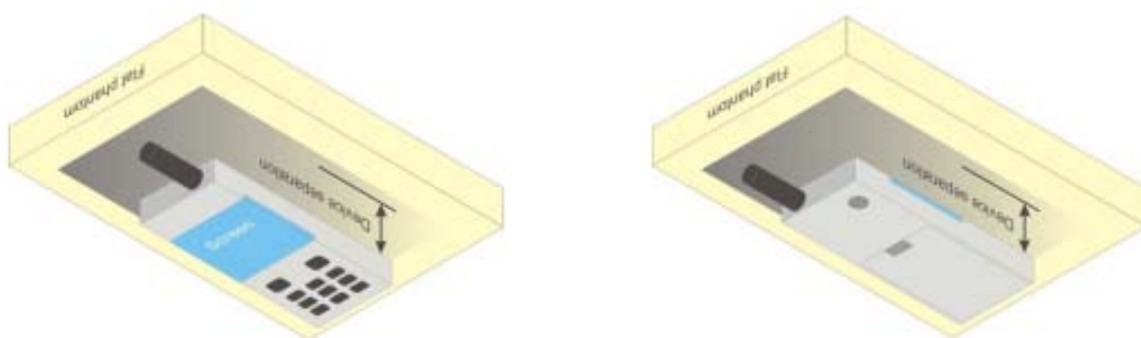


6.2 Body-worn Position Conditions

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

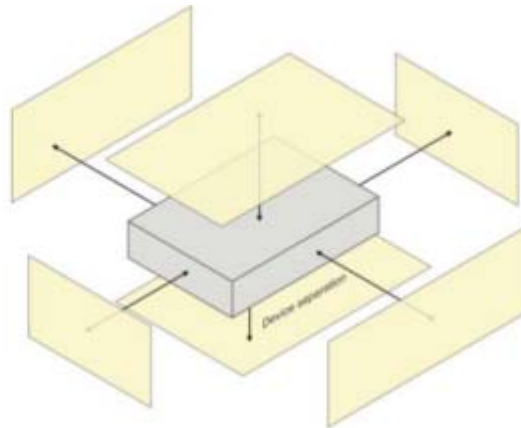
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



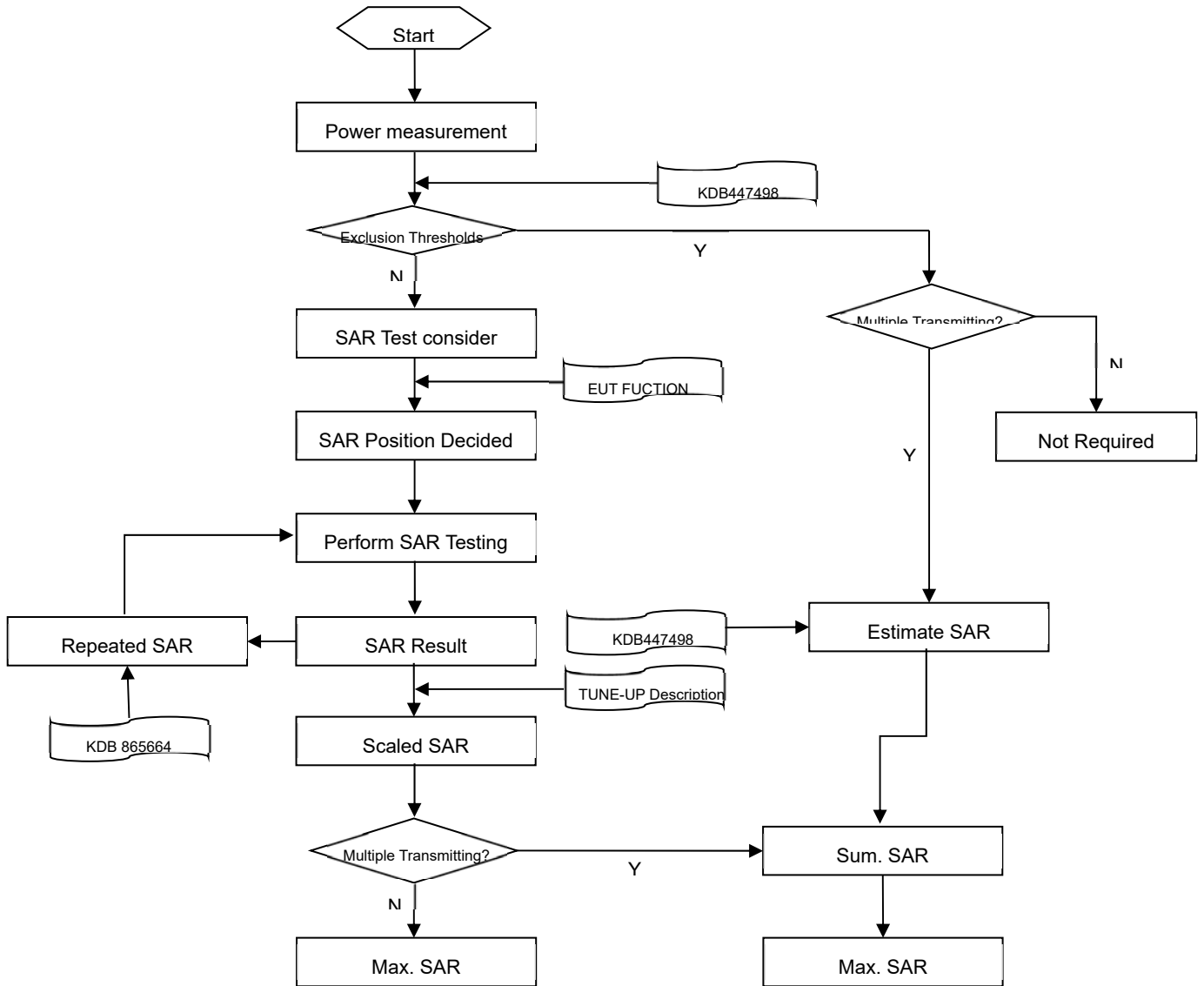
6.4 Product Specific 10g Exposure Consideration

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

The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 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
Δz Zoom (n>1): between subsequent points		4–5 GHz: ≤ 2.5 mm 5–6 GHz: ≤ 2 mm		
			≤ 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.

7.5 TDD LTE Band 41(HPUE) Linearity Data Analysis

LTE Band 41(HPUE)-Linearity Data for Head Exposure Condition		
	LTE Band 41 LTE (Power Class3)	LTE Band 41 LTE (Power Class2)
Maximum Tune up Power(dBm)	18.80	20.80
Scaled 1g SAR (W/Kg)	1.128	1.112
Duty Cycle (%)	63.30	43.30
Frame Averaged (mW)	48.02	52.06
Linearity SAR (W/Kg)	1.22	N/A
% Deviation from Expected Linearity	N/A	-9.07%

LTE Band 41(HPUE)-Linearity Data for Body-worn Exposure Condition		
	LTE Band 41LTE (Power Class3)	LTE Band 41LTE (Power Class2)
Maximum Tune up Power(dBm)	23.30	25.30
Scaled 1g SAR (W/Kg)	0.327	0.323
Duty Cycle (%)	63.30	43.30
Frame Averaged (mW)	135.33	146.72
Linearity SAR (W/Kg)	0.35	N/A
% Deviation from Expected Linearity	N/A	-8.89%

LTE Band 41(HPUE)-Linearity Data for Hotspot Exposure Condition		
	LTE Band 41LTE (Power Class3)	LTE Band 41LTE (Power Class2)
Maximum Tune up Power(dBm)	20.80	22.80
Scaled 1g SAR (W/Kg)	0.827	0.809
Duty Cycle (%)	63.30	43.30
Frame Averaged (mW)	76.10	82.51
Linearity SAR (W/Kg)	0.90	N/A
% Deviation from Expected Linearity	N/A	-9.77%

LTE Band 41(HPUE)-Linearity Data for Specific Exposure Condition		
	LTE Band 41LTE (Power Class3)	LTE Band 41LTE (Power Class2)
Maximum Tune up Power(dBm)	23.30	25.30
Scaled 1g SAR (W/Kg)	2.778	2.724
Duty Cycle (%)	63.30	43.30
Frame Averaged (mW)	135.33	146.72
Linearity SAR (W/Kg)	3.01	N/A
% Deviation from Expected Linearity	N/A	-9.55%

Note:

1. The device can adjust uplink/downlink configuration automatically according to the transmitting power class level for LTE band 41.
2. According to TCB Workshop May 2017, Rel. 14 has introduced HPUE Power Class 2 for Band 41. HPUE Power Class 2 does not support uplink downlink configurations 0 and 6.
3. Power class 3 is expected to be the dominant use configuration; therefore, SAR should be tested as normally required.
4. Power class 2 is tested using the highest SAR test configuration in power class 3 of each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in power class 2.
5. Separate SAR testing for Power Class 2 is not required when
 - a) The reported SAR vs. output power can be linearly scaled with < 10%
 - b) Discrepancy between power classes and all reported 1g SAR are < 1.4 W/kg (The same procedures should be adapted for measurements according to extremity limits by applying a factor of 2.5 for extremity exposure.)

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 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-SZ2330970-701 DC SAR Power List.pdf”.

9 CONDUCTED RF OUTPUT POWER

9.1 GSM

Please refer the document “BL-SZ2330970-701 Conducted RF Output Power List.pdf”.

9.2 WCDMA

Please refer the document “BL-SZ2330970-701 Conducted RF Output Power List.pdf”.

9.3 LTE

Please refer the document “BL-SZ2330970-701 Conducted RF Output Power List.pdf”.

9.4 Intra-Band Uplink CA Power

Note:

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

Please refer the document “BL-SZ2330970-701 Conducted RF Output Power List.pdf”.

9.5 NR

Please refer the document “BL-SZ2330970-701 Conducted RF Output Power List.pdf”.

9.6 LTE-ENDC Power

Please refer the document “BL-SZ2330970-701 Conducted RF Output Power List.pdf”.

9.7 NR-NSA Power

Please refer the document “BL-SZ2330970-701 Conducted RF Output Power List.pdf”.

9.8 WIFI

9.8.1 2.4G WLAN-ANT9-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.42	19	Yes
		6	2437	18.36	19	No
		11	2462	18.15	19	No
	802.11g	1	2412	17.13	18	No
		6	2437	17.45	18	No
		11	2462	17.35	18	No
	802.11n(HT20)	1	2412	17.48	18	No
		6	2437	17.44	18	No
		11	2462	17.23	18	No
	802.11n(HT40)	3	2422	18.22	19	No
		6	2437	18.29	19	No
		9	2452	18.29	19	No
	VHT(20 MHz)	1	2412	17.14	18	No
		6	2437	17.39	18	No
		11	2462	17.28	18	No
	VHT(40 MHz)	3	2422	18.39	19	No
		6	2437	18.27	19	No
		9	2452	18.27	19	No
	802.11ax(HE20)	1	2412	17.43	18	No
		6	2437	17.36	18	No
		11	2462	17.44	18	No
	802.11ax(HE40)	3	2422	18.38	19	No
		6	2437	18.31	19	No
		9	2452	18.39	19	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.2 2.4G WLAN-ANT9-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.56	16	Yes
		6	2437	15.49	16	No
		11	2462	15.32	16	No
	802.11g	1	2412	15.11	16	No
		6	2437	15.41	16	No
		11	2462	15.10	16	No
	802.11n(HT20)	1	2412	15.44	16	No
		6	2437	15.10	16	No
		11	2462	15.35	16	No
	802.11n(HT40)	3	2422	15.11	16	No
		6	2437	15.10	16	No
		9	2452	15.44	16	No
	VHT(20 MHz)	1	2412	15.23	16	No
		6	2437	15.38	16	No
		11	2462	15.23	16	No
	VHT(40 MHz)	3	2422	15.21	16	No
		6	2437	15.20	16	No
		9	2452	15.11	16	No
	802.11ax(HE20)	1	2412	15.19	16	No
		6	2437	15.33	16	No
		11	2462	15.29	16	No
802.11ax(HE40)	3	2422	15.47	16	No	
	6	2437	15.37	16	No	
	9	2452	15.28	16	No	

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.3 2.4G WLAN-ANT9-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.56	16	Yes
		6	2437	15.49	16	No
		11	2462	15.32	16	No
	802.11g	1	2412	15.11	16	No
		6	2437	15.41	16	No
		11	2462	15.10	16	No
	802.11n(HT20)	1	2412	15.44	16	No
		6	2437	15.10	16	No
		11	2462	15.35	16	No
	802.11n(HT40)	3	2422	15.11	16	No
		6	2437	15.10	16	No
		9	2452	15.44	16	No
	VHT(20 MHz)	1	2412	15.23	16	No
		6	2437	15.38	16	No
		11	2462	15.23	16	No
	VHT(40 MHz)	3	2422	15.21	16	No
		6	2437	15.20	16	No
		9	2452	15.11	16	No
	802.11ax(HE20)	1	2412	15.19	16	No
		6	2437	15.33	16	No
		11	2462	15.29	16	No
802.11ax(HE40)	3	2422	15.47	16	No	
	6	2437	15.37	16	No	
	9	2452	15.28	16	No	

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.4 2.4G WLAN-ANT9-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	14.62	15	Yes
		6	2437	14.54	15	No
		11	2462	14.38	15	No
	802.11g	1	2412	14.41	15	No
		6	2437	14.25	15	No
		11	2462	14.23	15	No
	802.11n(HT20)	1	2412	14.29	15	No
		6	2437	14.13	15	No
		11	2462	14.32	15	No
	802.11n(HT40)	3	2422	14.31	15	No
		6	2437	14.42	15	No
		9	2452	14.10	15	No
	VHT(20 MHz)	1	2412	14.37	15	No
		6	2437	14.16	15	No
		11	2462	14.35	15	No
	VHT(40 MHz)	3	2422	14.23	15	No
		6	2437	14.43	15	No
		9	2452	14.10	15	No
	802.11ax(HE20)	1	2412	14.18	15	No
		6	2437	14.43	15	No
		11	2462	14.39	15	No
802.11ax(HE40)	3	2422	14.17	15	No	
	6	2437	14.33	15	No	
	9	2452	14.15	15	No	

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.5 2.4G WLAN-ANT9-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	13.58	14	Yes
		6	2437	13.51	14	No
		11	2462	13.32	14	No
	802.11g	1	2412	13.18	14	No
		6	2437	13.19	14	No
		11	2462	13.17	14	No
	802.11n(HT20)	1	2412	13.21	14	No
		6	2437	13.11	14	No
		11	2462	13.15	14	No
	802.11n(HT40)	3	2422	13.39	14	No
		6	2437	13.32	14	No
		9	2452	13.43	14	No
	VHT(20 MHz)	1	2412	13.25	14	No
		6	2437	13.21	14	No
		11	2462	13.31	14	No
	VHT(40 MHz)	3	2422	13.33	14	No
		6	2437	13.35	14	No
		9	2452	13.27	14	No
	802.11ax(HE20)	1	2412	13.14	14	No
		6	2437	13.32	14	No
		11	2462	13.34	14	No
802.11ax(HE40)	3	2422	13.33	14	No	
	6	2437	13.44	14	No	
	9	2452	13.45	14	No	

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.6 2.4G WLAN-ANT9--Level5

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	13.58	14	Yes
		6	2437	13.51	14	No
		11	2462	13.32	14	No
	802.11g	1	2412	13.18	14	No
		6	2437	13.19	14	No
		11	2462	13.17	14	No
	802.11n(HT20)	1	2412	13.21	14	No
		6	2437	13.11	14	No
		11	2462	13.15	14	No
	802.11n(HT40)	3	2422	13.39	14	No
		6	2437	13.32	14	No
		9	2452	13.43	14	No
	VHT(20 MHz)	1	2412	13.25	14	No
		6	2437	13.21	14	No
		11	2462	13.31	14	No
	VHT(40 MHz)	3	2422	13.33	14	No
		6	2437	13.35	14	No
		9	2452	13.27	14	No
	802.11ax(HE20)	1	2412	13.14	14	No
		6	2437	13.32	14	No
		11	2462	13.34	14	No
802.11ax(HE40)	3	2422	13.33	14	No	
	6	2437	13.44	14	No	
	9	2452	13.45	14	No	

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.7 2.4G WLAN-ANT9-Level6

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	11.78	12	Yes
		6	2437	11.47	12	No
		11	2462	11.68	12	No
	802.11g	1	2412	11.33	12	No
		6	2437	11.19	12	No
		11	2462	11.10	12	No
	802.11n(HT20)	1	2412	11.16	12	No
		6	2437	11.49	12	No
		11	2462	11.32	12	No
	802.11n(HT40)	3	2422	11.22	12	No
		6	2437	11.12	12	No
		9	2452	11.14	12	No
	VHT(20 MHz)	1	2412	11.46	12	No
		6	2437	11.20	12	No
		11	2462	11.31	12	No
	VHT(40 MHz)	3	2422	11.11	12	No
		6	2437	11.34	12	No
		9	2452	11.36	12	No
	802.11ax(HE20)	1	2412	11.50	12	No
		6	2437	11.26	12	No
		11	2462	11.23	12	No
802.11ax(HE40)	3	2422	11.18	12	No	
	6	2437	11.43	12	No	
	9	2452	11.22	12	No	

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.8 2.4G WLAN-ANT9--Level7&8&9

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.42	19	Yes
		6	2437	18.36	19	No
		11	2462	18.15	19	No
	802.11g	1	2412	17.13	18	No
		6	2437	17.45	18	No
		11	2462	17.35	18	No
	802.11n(HT20)	1	2412	17.48	18	No
		6	2437	17.44	18	No
		11	2462	17.23	18	No
	802.11n(HT40)	3	2422	18.22	19	No
		6	2437	18.29	19	No
		9	2452	18.29	19	No
	VHT(20 MHz)	1	2412	17.14	18	No
		6	2437	17.39	18	No
		11	2462	17.28	18	No
	VHT(40 MHz)	3	2422	18.39	19	No
		6	2437	18.27	19	No
		9	2452	18.27	19	No
	802.11ax(HE20)	1	2412	17.43	18	No
		6	2437	17.36	18	No
		11	2462	17.44	18	No
	802.11ax(HE40)	3	2422	18.38	19	No
		6	2437	18.31	19	No
		9	2452	18.39	19	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.9 2.4G WLAN-ANT9-Level10

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.46	18	Yes
		6	2437	17.38	18	No
		11	2462	17.24	18	No
	802.11g	1	2412	17.13	18	No
		6	2437	17.45	18	No
		11	2462	17.35	18	No
	802.11n(HT20)	1	2412	17.48	18	No
		6	2437	17.44	18	No
		11	2462	17.23	18	No
	802.11n(HT40)	3	2422	17.25	18	No
		6	2437	17.22	18	No
		9	2452	17.18	18	No
	VHT(20 MHz)	1	2412	17.14	18	No
		6	2437	17.39	18	No
		11	2462	17.28	18	No
	VHT(40 MHz)	3	2422	17.15	18	No
		6	2437	17.22	18	No
		9	2452	17.25	18	No
	802.11ax(HE20)	1	2412	17.43	18	No
		6	2437	17.36	18	No
		11	2462	17.44	18	No
	802.11ax(HE40)	3	2422	17.45	18	No
		6	2437	17.44	18	No
		9	2452	17.42	18	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.10 2.4G WLAN-ANT9--Level11

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.46	18	Yes
		6	2437	17.38	18	No
		11	2462	17.24	18	No
	802.11g	1	2412	17.13	18	No
		6	2437	17.45	18	No
		11	2462	17.35	18	No
	802.11n(HT20)	1	2412	17.48	18	No
		6	2437	17.44	18	No
		11	2462	17.23	18	No
	802.11n(HT40)	3	2422	17.25	18	No
		6	2437	17.22	18	No
		9	2452	17.18	18	No
	VHT(20 MHz)	1	2412	17.14	18	No
		6	2437	17.39	18	No
		11	2462	17.28	18	No
	VHT(40 MHz)	3	2422	17.15	18	No
		6	2437	17.22	18	No
		9	2452	17.25	18	No
	802.11ax(HE20)	1	2412	17.43	18	No
		6	2437	17.36	18	No
		11	2462	17.44	18	No
	802.11ax(HE40)	3	2422	17.45	18	No
		6	2437	17.44	18	No
		9	2452	17.42	18	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.11 2.4G WLAN-ANT9--Level12

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	13.58	14	Yes
		6	2437	13.51	14	No
		11	2462	13.32	14	No
	802.11g	1	2412	13.18	14	No
		6	2437	13.19	14	No
		11	2462	13.17	14	No
	802.11n(HT20)	1	2412	13.21	14	No
		6	2437	13.11	14	No
		11	2462	13.15	14	No
	802.11n(HT40)	3	2422	13.39	14	No
		6	2437	13.32	14	No
		9	2452	13.43	14	No
	VHT(20 MHz)	1	2412	13.25	14	No
		6	2437	13.21	14	No
		11	2462	13.31	14	No
	VHT(40 MHz)	3	2422	13.33	14	No
		6	2437	13.35	14	No
		9	2452	13.27	14	No
	802.11ax(HE20)	1	2412	13.14	14	No
		6	2437	13.32	14	No
		11	2462	13.34	14	No
	802.11ax(HE40)	3	2422	13.33	14	No
		6	2437	13.44	14	No
		9	2452	13.45	14	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.12 2.4G WLAN-ANT10-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.28	19	Yes
		6	2437	18.05	19	Yes
		11	2462	17.40	18	No
	802.11g	1	2412	17.40	18	No
		6	2437	17.28	18	No
		11	2462	17.24	18	No
	802.11n(HT20)	1	2412	17.30	18	No
		6	2437	17.12	18	No
		11	2462	18.22	19	No
	802.11n(HT40)	3	2422	18.13	19	No
		6	2437	18.32	19	No
		9	2452	17.35	18	No
	VHT(20 MHz)	1	2412	17.34	18	No
		6	2437	17.35	18	No
		11	2462	18.36	19	No
	VHT(40 MHz)	3	2422	18.22	19	No
		6	2437	18.11	19	No
		9	2452	17.24	18	No
	802.11ax(HE20)	1	2412	17.32	18	No
		6	2437	17.27	18	No
		11	2462	18.11	19	No
	802.11ax(HE40)	3	2422	18.28	19	No
		6	2437	18.28	19	No
		9	2452	18.28	19	Yes

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.13 2.4G WLAN-ANT10-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.56	16	Yes
		6	2437	15.49	16	No
		11	2462	15.18	16	No
	802.11g	1	2412	15.36	16	No
		6	2437	15.14	16	No
		11	2462	15.35	16	No
	802.11n(HT20)	1	2412	15.35	16	No
		6	2437	15.21	16	No
		11	2462	15.11	16	No
	802.11n(HT40)	3	2422	15.17	16	No
		6	2437	15.11	16	No
		9	2452	15.29	16	No
	VHT(20 MHz)	1	2412	15.21	16	No
		6	2437	15.14	16	No
		11	2462	15.16	16	No
	VHT(40 MHz)	3	2422	15.16	16	No
		6	2437	15.23	16	No
		9	2452	15.15	16	No
	802.11ax(HE20)	1	2412	15.30	16	No
		6	2437	15.36	16	No
		11	2462	15.16	16	No
802.11ax(HE40)	3	2422	15.14	16	No	
	6	2437	15.30	16	No	
	9	2452	15.25	16	No	

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.14 2.4G WLAN-ANT10-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.56	16	Yes
		6	2437	15.49	16	No
		11	2462	15.18	16	No
	802.11g	1	2412	15.36	16	No
		6	2437	15.14	16	No
		11	2462	15.35	16	No
	802.11n(HT20)	1	2412	15.35	16	No
		6	2437	15.21	16	No
		11	2462	15.11	16	No
	802.11n(HT40)	3	2422	15.17	16	No
		6	2437	15.11	16	No
		9	2452	15.29	16	No
	VHT(20 MHz)	1	2412	15.21	16	No
		6	2437	15.14	16	No
		11	2462	15.16	16	No
	VHT(40 MHz)	3	2422	15.16	16	No
		6	2437	15.23	16	No
		9	2452	15.15	16	No
	802.11ax(HE20)	1	2412	15.30	16	No
		6	2437	15.36	16	No
		11	2462	15.16	16	No
802.11ax(HE40)	3	2422	15.14	16	No	
	6	2437	15.30	16	No	
	9	2452	15.25	16	No	

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.15 2.4G WLAN-ANT10-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	14.74	15	Yes
		6	2437	14.49	15	No
		11	2462	14.28	15	No
	802.11g	1	2412	14.26	15	No
		6	2437	14.20	15	No
		11	2462	14.13	15	No
	802.11n(HT20)	1	2412	14.25	15	No
		6	2437	14.13	15	No
		11	2462	14.18	15	No
	802.11n(HT40)	3	2422	14.29	15	No
		6	2437	14.11	15	No
		9	2452	14.33	15	No
	VHT(20 MHz)	1	2412	14.16	15	No
		6	2437	14.20	15	No
		11	2462	14.33	15	No
	VHT(40 MHz)	3	2422	14.25	15	No
		6	2437	14.37	15	No
		9	2452	14.29	15	No
	802.11ax(HE20)	1	2412	14.40	15	No
		6	2437	14.40	15	No
		11	2462	14.17	15	No
	802.11ax(HE40)	3	2422	14.13	15	No
		6	2437	14.27	15	No
		9	2452	14.38	15	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.16 2.4G WLAN-ANT10-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	13.77	14	Yes
		6	2437	13.48	14	No
		11	2462	13.27	14	No
	802.11g	1	2412	13.34	14	No
		6	2437	13.11	14	No
		11	2462	13.12	14	No
	802.11n(HT20)	1	2412	13.39	14	No
		6	2437	13.33	14	No
		11	2462	13.32	14	No
	802.11n(HT40)	3	2422	13.10	14	No
		6	2437	13.33	14	No
		9	2452	13.28	14	No
	VHT(20 MHz)	1	2412	13.11	14	No
		6	2437	13.22	14	No
		11	2462	13.23	14	No
	VHT(40 MHz)	3	2422	13.15	14	No
		6	2437	13.36	14	No
		9	2452	13.33	14	No
	802.11ax(HE20)	1	2412	13.33	14	No
		6	2437	13.40	14	No
		11	2462	13.31	14	No
	802.11ax(HE40)	3	2422	13.40	14	No
		6	2437	13.14	14	No
		9	2452	13.34	14	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.17 2.4G WLAN-ANT10--Level5

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	13.77	14	Yes
		6	2437	13.48	14	No
		11	2462	13.27	14	No
	802.11g	1	2412	13.34	14	No
		6	2437	13.11	14	No
		11	2462	13.12	14	No
	802.11n(HT20)	1	2412	13.39	14	No
		6	2437	13.33	14	No
		11	2462	13.32	14	No
	802.11n(HT40)	3	2422	13.10	14	No
		6	2437	13.33	14	No
		9	2452	13.28	14	No
	VHT(20 MHz)	1	2412	13.11	14	No
		6	2437	13.22	14	No
		11	2462	13.23	14	No
	VHT(40 MHz)	3	2422	13.15	14	No
		6	2437	13.36	14	No
		9	2452	13.33	14	No
	802.11ax(HE20)	1	2412	13.33	14	No
		6	2437	13.40	14	No
		11	2462	13.31	14	No
	802.11ax(HE40)	3	2422	13.40	14	No
		6	2437	13.14	14	No
		9	2452	13.34	14	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = $0.439 * (141.25\text{mW}/177.83\text{mW}) = 0.349$ W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.18 2.4G WLAN-ANT10-Level6

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	11.82	12	Yes
		6	2437	11.49	12	No
		11	2462	11.62	12	No
	802.11g	1	2412	11.63	12	No
		6	2437	11.37	12	No
		11	2462	11.61	12	No
	802.11n(HT20)	1	2412	11.79	12	No
		6	2437	11.44	12	No
		11	2462	11.44	12	No
	802.11n(HT40)	3	2422	11.72	12	No
		6	2437	11.38	12	No
		9	2452	11.55	12	No
	VHT(20 MHz)	1	2412	11.57	12	No
		6	2437	11.68	12	No
		11	2462	11.25	12	No
	VHT(40 MHz)	3	2422	11.48	12	No
		6	2437	11.15	12	No
		9	2452	11.39	12	No
	802.11ax(HE20)	1	2412	11.17	12	No
		6	2437	11.35	12	No
		11	2462	11.72	12	No
802.11ax(HE40)	3	2422	11.31	12	No	
	6	2437	11.61	12	No	
	9	2452	11.74	12	No	

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = $0.439 * (141.25\text{mW}/177.83\text{mW}) = 0.349$ W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.19 2.4G WLAN-ANT10--Level7&8&9

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.36	19	Yes
		6	2437	18.28	19	No
		11	2462	18.05	19	No
	802.11g	1	2412	17.40	18	No
		6	2437	17.40	18	No
		11	2462	17.28	18	No
	802.11n(HT20)	1	2412	17.24	18	No
		6	2437	17.30	18	No
		11	2462	17.12	18	No
	802.11n(HT40)	3	2422	18.22	19	No
		6	2437	18.13	19	No
		9	2452	18.32	19	No
	VHT(20 MHz)	1	2412	17.35	18	No
		6	2437	17.34	18	No
		11	2462	17.35	18	No
	VHT(40 MHz)	3	2422	18.36	19	No
		6	2437	18.22	19	No
		9	2452	18.11	19	No
	802.11ax(HE20)	1	2412	17.24	18	No
		6	2437	17.32	18	No
		11	2462	17.27	18	No
	802.11ax(HE40)	3	2422	18.11	19	No
		6	2437	18.28	19	No
		9	2452	18.28	19	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.20 2.4G WLAN-ANT10-Level10

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.50	18	Yes
		6	2437	17.34	18	No
		11	2462	17.08	18	No
	802.11g	1	2412	17.40	18	No
		6	2437	17.32	18	No
		11	2462	17.18	18	No
	802.11n(HT20)	1	2412	17.24	18	No
		6	2437	17.30	18	No
		11	2462	17.12	18	No
	802.11n(HT40)	3	2422	17.32	18	No
		6	2437	17.26	18	No
		9	2452	17.13	18	No
	VHT(20 MHz)	1	2412	17.35	18	No
		6	2437	17.34	18	No
		11	2462	17.35	18	No
	VHT(40 MHz)	3	2422	17.29	18	No
		6	2437	17.37	18	No
		9	2452	17.17	18	No
	802.11ax(HE20)	1	2412	17.24	18	No
		6	2437	17.32	18	No
		11	2462	17.27	18	No
802.11ax(HE40)	3	2422	17.36	18	No	
	6	2437	17.32	18	No	
	9	2452	17.25	18	No	

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = $0.439 * (141.25\text{mW}/177.83\text{mW}) = 0.349$ W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.21 2.4G WLAN-ANT10--Level11

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.50	18	Yes
		6	2437	17.34	18	No
		11	2462	17.08	18	No
	802.11g	1	2412	17.40	18	No
		6	2437	17.32	18	No
		11	2462	17.18	18	No
	802.11n(HT20)	1	2412	17.39	18	No
		6	2437	17.31	18	No
		11	2462	17.17	18	No
	802.11n(HT40)	3	2422	17.32	18	No
		6	2437	17.26	18	No
		9	2452	17.13	18	No
	VHT(20 MHz)	1	2412	17.14	18	No
		6	2437	17.14	18	No
		11	2462	17.38	18	No
	VHT(40 MHz)	3	2422	17.29	18	No
		6	2437	17.37	18	No
		9	2452	17.17	18	No
	802.11ax(HE20)	1	2412	17.17	18	No
		6	2437	17.38	18	No
		11	2462	17.26	18	No
802.11ax(HE40)	3	2422	17.36	18	No	
	6	2437	17.32	18	No	
	9	2452	17.25	18	No	

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.22 2.4G WLAN-ANT10--Level12

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	13.77	14	Yes
		6	2437	13.48	14	No
		11	2462	13.27	14	No
	802.11g	1	2412	13.34	14	No
		6	2437	13.11	14	No
		11	2462	13.12	14	No
	802.11n(HT20)	1	2412	13.39	14	No
		6	2437	13.33	14	No
		11	2462	13.32	14	No
	802.11n(HT40)	3	2422	13.10	14	No
		6	2437	13.33	14	No
		9	2452	13.28	14	No
	VHT(20 MHz)	1	2412	13.11	14	No
		6	2437	13.22	14	No
		11	2462	13.23	14	No
	VHT(40 MHz)	3	2422	13.15	14	No
		6	2437	13.36	14	No
		9	2452	13.33	14	No
	802.11ax(HE20)	1	2412	13.33	14	No
		6	2437	13.40	14	No
		11	2462	13.31	14	No
	802.11ax(HE40)	3	2422	13.40	14	No
		6	2437	13.14	14	No
		9	2452	13.34	14	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.23 2.4G WLAN-ANT9&10Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	21.59	22	Yes
		6	2437	21.61	22	Yes
		11	2462	21.33	22	Yes
	802.11g	1	2412	20.30	21	No
		6	2437	20.38	21	No
		11	2462	20.33	21	No
	802.11n(HT20)	1	2412	20.26	21	No
		6	2437	20.42	21	No
		11	2462	20.33	21	No
	802.11n(HT40)	3	2422	21.32	22	No
		6	2437	21.24	22	No
		9	2452	21.40	22	No
	VHT(20 MHz)	1	2412	20.42	21	No
		6	2437	20.28	21	No
		11	2462	20.33	21	No
	VHT(40 MHz)	3	2422	21.31	22	No
		6	2437	21.29	22	No
		9	2452	21.49	22	No
	802.11ax(HE20)	1	2412	20.48	21	No
		6	2437	20.29	21	No
		11	2462	20.26	21	No
	802.11ax(HE40)	3	2422	21.44	22	No
		6	2437	21.28	22	No
		9	2452	21.42	22	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.24 2.4G WLAN-ANT9&10-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.68	19	Yes
		6	2437	18.59	19	No
		11	2462	18.34	19	No
	802.11g	1	2412	18.29	19	No
		6	2437	18.26	19	No
		11	2462	18.5	19	No
	802.11n(HT20)	1	2412	18.25	19	No
		6	2437	18.33	19	No
		11	2462	18.26	19	No
	802.11n(HT40)	3	2422	18.22	19	No
		6	2437	18.34	19	No
		9	2452	18.46	19	No
	VHT(20 MHz)	1	2412	18.39	19	No
		6	2437	18.40	19	No
		11	2462	18.42	19	No
	VHT(40 MHz)	3	2422	18.29	19	No
		6	2437	18.45	19	No
		9	2452	18.39	19	No
	802.11ax(HE20)	1	2412	18.44	19	No
		6	2437	18.46	19	No
		11	2462	18.30	19	No
	802.11ax(HE40)	3	2422	18.25	19	No
		6	2437	18.29	19	No
		9	2452	18.36	19	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.25 2.4G WLAN-ANT9&10-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.68	19	Yes
		6	2437	18.59	19	No
		11	2462	18.34	19	No
	802.11g	1	2412	18.29	19	No
		6	2437	18.26	19	No
		11	2462	18.50	19	No
	802.11n(HT20)	1	2412	18.25	19	No
		6	2437	18.33	19	No
		11	2462	18.26	19	No
	802.11n(HT40)	3	2422	18.22	19	No
		6	2437	18.34	19	No
		9	2452	18.46	19	No
	VHT(20 MHz)	1	2412	18.39	19	No
		6	2437	18.40	19	No
		11	2462	18.42	19	No
	VHT(40 MHz)	3	2422	18.29	19	No
		6	2437	18.45	19	No
		9	2452	18.39	19	No
	802.11ax(HE20)	1	2412	18.44	19	No
		6	2437	18.46	19	No
		11	2462	18.30	19	No
802.11ax(HE40)	3	2422	18.25	19	No	
	6	2437	18.29	19	No	
	9	2452	18.36	19	No	

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = $0.439 * (141.25\text{mW}/177.83\text{mW}) = 0.349$ W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.26 2.4G WLAN-ANT9&10-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.80	18	Yes
		6	2437	17.61	18	No
		11	2462	17.43	18	No
	802.11g	1	2412	17.35	18	No
		6	2437	17.16	18	No
		11	2462	17.41	18	No
	802.11n(HT20)	1	2412	17.39	18	No
		6	2437	17.49	18	No
		11	2462	17.39	18	No
	802.11n(HT40)	3	2422	17.47	18	No
		6	2437	17.34	18	No
		9	2452	17.35	18	No
	VHT(20 MHz)	1	2412	17.33	18	No
		6	2437	17.27	18	No
		11	2462	17.25	18	No
	VHT(40 MHz)	3	2422	17.24	18	No
		6	2437	17.38	18	No
		9	2452	17.33	18	No
	802.11ax(HE20)	1	2412	17.54	18	No
		6	2437	17.53	18	No
		11	2462	17.28	18	No
	802.11ax(HE40)	3	2422	17.22	18	No
		6	2437	17.50	18	No
		9	2452	17.51	18	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.27 2.4G WLAN-ANT9&10-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.82	17	Yes
		6	2437	16.60	17	No
		11	2462	16.45	17	No
	802.11g	1	2412	16.46	17	No
		6	2437	16.37	17	No
		11	2462	16.41	17	No
	802.11n(HT20)	1	2412	16.33	17	No
		6	2437	16.36	17	No
		11	2462	16.47	17	No
	802.11n(HT40)	3	2422	16.34	17	No
		6	2437	16.36	17	No
		9	2452	16.43	17	No
	VHT(20 MHz)	1	2412	16.36	17	No
		6	2437	16.40	17	No
		11	2462	16.25	17	No
	VHT(40 MHz)	3	2422	16.33	17	No
		6	2437	16.25	17	No
		9	2452	16.34	17	No
	802.11ax(HE20)	1	2412	16.55	17	No
		6	2437	16.31	17	No
		11	2462	16.45	17	No
	802.11ax(HE40)	3	2422	16.27	17	No
		6	2437	16.33	17	No
		9	2452	16.42	17	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.28 2.4G WLAN-ANT9&10-Level5

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.82	17	Yes
		6	2437	16.60	17	No
		11	2462	16.45	17	No
	802.11g	1	2412	16.46	17	No
		6	2437	16.37	17	No
		11	2462	16.41	17	No
	802.11n(HT20)	1	2412	16.33	17	No
		6	2437	16.36	17	No
		11	2462	16.47	17	No
	802.11n(HT40)	3	2422	16.34	17	No
		6	2437	16.36	17	No
		9	2452	16.43	17	No
	VHT(20 MHz)	1	2412	16.36	17	No
		6	2437	16.40	17	No
		11	2462	16.25	17	No
	VHT(40 MHz)	3	2422	16.33	17	No
		6	2437	16.25	17	No
		9	2452	16.34	17	No
	802.11ax(HE20)	1	2412	16.55	17	No
		6	2437	16.31	17	No
		11	2462	16.45	17	No
	802.11ax(HE40)	3	2422	16.27	17	No
		6	2437	16.33	17	No
		9	2452	16.42	17	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = $0.439 * (141.25\text{mW}/177.83\text{mW}) = 0.349$ W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.29 2.4G WLAN-ANT9&10-Level6

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	14.87	15	Yes
		6	2437	14.58	15	No
		11	2462	14.76	15	No
	802.11g	1	2412	14.40	15	No
		6	2437	14.49	15	No
		11	2462	14.39	15	No
	802.11n(HT20)	1	2412	14.44	15	No
		6	2437	14.23	15	No
		11	2462	14.17	15	No
	802.11n(HT40)	3	2422	14.2	15	No
		6	2437	14.39	15	No
		9	2452	14.45	15	No
	VHT(20 MHz)	1	2412	14.40	15	No
		6	2437	14.2	15	No
		11	2462	14.35	15	No
	VHT(40 MHz)	3	2422	14.28	15	No
		6	2437	14.44	15	No
		9	2452	14.53	15	No
	802.11ax(HE20)	1	2412	14.39	15	No
		6	2437	14.35	15	No
		11	2462	14.46	15	No
	802.11ax(HE40)	3	2422	14.44	15	No
		6	2437	14.40	15	No
		9	2452	14.40	15	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.30 2.4G WLAN-ANT9&10-Level7&8&9

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	21.59	22	No
		6	2437	21.61	22	Yes
		11	2462	21.33	22	No
	802.11g	1	2412	20.30	21	No
		6	2437	20.38	21	No
		11	2462	20.33	21	No
	802.11n(HT20)	1	2412	20.26	21	No
		6	2437	20.42	21	No
		11	2462	20.33	21	No
	802.11n(HT40)	3	2422	21.32	22	No
		6	2437	21.24	22	No
		9	2452	21.40	22	No
	VHT(20 MHz)	1	2412	20.42	21	No
		6	2437	20.28	21	No
		11	2462	20.33	21	No
	VHT(40 MHz)	3	2422	21.31	22	No
		6	2437	21.29	22	No
		9	2452	21.49	22	No
	802.11ax(HE20)	1	2412	20.48	21	No
		6	2437	20.29	21	No
		11	2462	20.26	21	No
	802.11ax(HE40)	3	2422	21.44	22	No
		6	2437	21.28	22	No
		9	2452	21.42	22	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = 0.439 * (141.25mW/177.83mW) = 0.349 W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.31 2.4G WLAN-ANT9&10-Level10

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	20.53	21	Yes
		6	2437	20.40	21	No
		11	2462	20.21	21	No
	802.11g	1	2412	20.30	21	No
		6	2437	20.38	21	No
		11	2462	20.33	21	No
	802.11n(HT20)	1	2412	20.26	21	No
		6	2437	20.42	21	No
		11	2462	20.33	21	No
	802.11n(HT40)	3	2422	20.20	21	No
		6	2437	20.32	21	No
		9	2452	20.38	21	No
	VHT(20 MHz)	1	2412	20.42	21	No
		6	2437	20.28	21	No
		11	2462	20.33	21	No
	VHT(40 MHz)	3	2422	20.34	21	No
		6	2437	20.55	21	No
		9	2452	20.36	21	No
	802.11ax(HE20)	1	2412	20.48	21	No
		6	2437	20.29	21	No
		11	2462	20.26	21	No
	802.11ax(HE40)	3	2422	20.27	21	No
		6	2437	20.30	21	No
		9	2452	20.47	21	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = $0.439 * (141.25\text{mW}/177.83\text{mW}) = 0.349$ W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.32 2.4G WLAN-ANT9&10-Level11

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	20.53	21	Yes
		6	2437	20.40	21	No
		11	2462	20.21	21	No
	802.11g	1	2412	20.30	21	No
		6	2437	20.38	21	No
		11	2462	20.33	21	No
	802.11n(HT20)	1	2412	20.26	21	No
		6	2437	20.42	21	No
		11	2462	20.33	21	No
	802.11n(HT40)	3	2422	20.20	21	No
		6	2437	20.32	21	No
		9	2452	20.38	21	No
	VHT(20 MHz)	1	2412	20.42	21	No
		6	2437	20.28	21	No
		11	2462	20.33	21	No
	VHT(40 MHz)	3	2422	20.34	21	No
		6	2437	20.55	21	No
		9	2452	20.36	21	No
	802.11ax(HE20)	1	2412	20.48	21	No
		6	2437	20.29	21	No
		11	2462	20.26	21	No
	802.11ax(HE40)	3	2422	20.27	21	No
		6	2437	20.30	21	No
		9	2452	20.47	21	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = $0.439 * (141.25\text{mW}/177.83\text{mW}) = 0.349$ W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.33 2.4G WLAN-ANT9&10-Level12

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power(dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.82	17	Yes
		6	2437	16.60	17	No
		11	2462	16.45	17	No
	802.11g	1	2412	16.46	17	No
		6	2437	16.37	17	No
		11	2462	16.41	17	No
	802.11n(HT20)	1	2412	16.33	17	No
		6	2437	16.36	17	No
		11	2462	16.47	17	No
	802.11n(HT40)	3	2422	16.34	17	No
		6	2437	16.36	17	No
		9	2452	16.43	17	No
	VHT(20 MHz)	1	2412	16.36	17	No
		6	2437	16.40	17	No
		11	2462	16.25	17	No
	VHT(40 MHz)	3	2422	16.33	17	No
		6	2437	16.25	17	No
		9	2452	16.34	17	No
	802.11ax(HE20)	1	2412	16.55	17	No
		6	2437	16.31	17	No
		11	2462	16.45	17	No
	802.11ax(HE40)	3	2422	16.27	17	No
		6	2437	16.33	17	No
		9	2452	16.42	17	No

Note: According KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions. 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.

Adjusted SAR = Report SAR * (max power (OFDM)/ max power (DSSS)) = $0.439 * (141.25\text{mW}/177.83\text{mW}) = 0.349$ W/Kg, so the 2.4G OFDM SAR test is not required.

9.8.34 5G WLAN-ANT2-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.09	16.1	Yes
		40	5200	15.08	16.1	Yes
		48	5240	15.06	16.1	Yes
	802.11n(HT20)	36	5180	15.00	16	No
		40	5200	15.06	16	No
		48	5240	14.94	16	No
	802.11n(HT40)	38	5190	13.03	14	No
		46	5230	13.13	14	No
	802.11ac(VHT20)	36	5180	15.09	16	No
		40	5200	14.92	16	No
		48	5240	15.00	16	No
	802.11ac(VHT40)	38	5190	13.01	14	No
		46	5230	12.99	14	No
	802.11ac(VHT80)	42	5210	10.90	12	No
	802.11ax(HE20)	36	5180	15.01	16	No
		40	5200	15.19	16	No
		48	5240	15.01	16	No
	802.11ax(HE40)	38	5190	12.94	14	No
46		5230	13.00	14	No	
802.11ax(HE80)	42	5210	11.13	12	No	
5.3 (5.25~5.35)	802.11a	52	5260	15.14	16.1	Yes
		60	5300	15.17	16.1	Yes
		64	5320	15.16	16.1	Yes
	802.11n(HT20)	52	5260	15.17	16	No
		60	5300	14.96	16	No
		64	5320	15.15	16	No
	802.11n(HT40)	54	5270	13.09	14	No
		62	5310	13.01	14	No
	802.11ac(VHT20)	52	5260	15.19	16	No
		60	5300	15.10	16	No
		64	5320	14.91	16	No
	802.11ac(VHT40)	54	5270	13.09	14	No
		62	5310	13.20	14	No
	802.11ac(VHT80)	58	5290	11.18	12	No

	802.11ax(HE20)	52	5260	14.96	16	No
		60	5300	15.12	16	No
		64	5320	15.09	16	No
	802.11ax(HE40)	54	5270	13.04	14	No
		62	5310	13.02	14	No
	802.11ax(HE80)	58	5290	10.97	12	No
5.6 (5.47~5.725)	802.11a	100	5500	14.34	15.1	Yes
		116	5580	15.36	16.1	Yes
		120	5600	15.29	16.1	Yes
		140	5700	11.79	12.1	Yes
	802.11n(HT20)	100	5500	13.90	15	No
		116	5580	14.92	16	No
		140	5700	11.11	12	No
	802.11n(HT40)	102	5510	10.19	11	No
		118	5590	15.10	16	No
		134	5670	13.13	14	No
	802.11ac(VHT20)	100	5500	13.90	15	No
		116	5580	15.14	16	No
		140	5700	11.18	12	No
	802.11ac(VHT40)	102	5510	10.17	11	No
		118	5590	15.20	16	No
		134	5670	13.01	14	No
	802.11ac(VHT80)	106	5530	8.15	9	No
		122	5610	15.07	16	No
	802.11ax(HE20)	100	5500	13.91	15	No
		116	5580	15.12	16	No
		140	5700	11.03	12	No
	802.11ax(HE40)	102	5510	10.18	11	No
		118	5590	15.04	16	No
		134	5670	13.03	14	No
	802.11ax(HE80)	106	5530	8.12	9	No
		122	5610	15.18	16	No
	5.8 (5.725~5.85)	802.11a	149	5745	18.23	19.1
157			5785	18.18	19.1	Yes
165			5825	18.21	19.1	Yes
802.11n(HT20)		149	5745	18.12	19	No
		157	5785	18.18	19	No

		165	5825	17.92	19	No
	802.11n(HT40)	151	5755	18.14	19	No
		159	5795	18.20	19	No
	802.11ac(VHT20)	149	5745	17.93	19	No
		157	5785	17.94	19	No
		165	5825	18.16	19	No
	802.11ac(VHT40)	151	5755	17.96	19	No
		159	5795	18.16	19	No
	802.11ac(VHT80)	155	5775	17.02	18	No
	802.11ax(HE20)	149	5745	18.01	19	No
		157	5785	18.04	19	No
		165	5825	18.02	19	No
	802.11ax(HE40)	151	5755	17.91	19	No
		159	5795	18.18	19	No
	802.11ax(HE80)	155	5775	17.15	18	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.35 5G WLAN-ANT2-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.38	14.5	No
		40	5200	13.43	14.5	No
		48	5240	13.49	14.5	No
	802.11n(HT20)	36	5180	13.34	14.5	No
		40	5200	13.30	14.5	No
		48	5240	13.38	14.5	No
	802.11n(HT40)	38	5190	12.90	14	No
		46	5230	12.82	14	No
	802.11ac(VHT20)	36	5180	13.34	14.5	No
		40	5200	13.36	14.5	No
		48	5240	13.37	14.5	No
	802.11ac(VHT40)	38	5190	12.83	14	No
		46	5230	12.90	14	No
	802.11ac(VHT80)	42	5210	10.89	12	No
	802.11ax(HE20)	36	5180	13.31	14.5	No
		40	5200	13.32	14.5	No
		48	5240	13.34	14.5	No
	802.11ax(HE40)	38	5190	12.89	14	No
46		5230	12.81	14	No	
802.11ax(HE80)	42	5210	10.88	12	No	
5.3 (5.25~5.35)	802.11a	52	5260	13.58	14.5	No
		60	5300	13.59	14.5	No
		64	5320	13.61	14.5	Yes
	802.11n(HT20)	52	5260	13.39	14.5	No
		60	5300	13.40	14.5	No
		64	5320	13.33	14.5	No
	802.11n(HT40)	54	5270	12.85	14	No
		62	5310	12.83	14	No
	802.11ac(VHT20)	52	5260	13.30	14.5	No
		60	5300	13.37	14.5	No
		64	5320	13.32	14.5	No
	802.11ac(VHT40)	54	5270	12.80	14	No
		62	5310	12.82	14	No
	802.11ac(VHT80)	58	5290	10.83	12	No

	802.11ax(HE20)	52	5260	13.38	14.5	No
		60	5300	13.38	14.5	No
		64	5320	13.40	14.5	No
	802.11ax(HE40)	54	5270	12.83	14	No
		62	5310	12.82	14	No
	802.11ax(HE80)	58	5290	10.88	12	No
5.6 (5.47~5.725)	802.11a	100	5500	13.39	14.5	No
		116	5580	13.34	14.5	No
		120	5600	13.35	14.5	No
		140	5700	10.95	12.1	No
	802.11n(HT20)	100	5500	13.30	14.5	No
		116	5580	13.39	14.5	No
		140	5700	10.82	12	No
	802.11n(HT40)	102	5510	9.80	11	No
		118	5590	13.34	14.5	No
		134	5670	12.89	14	No
	802.11ac(VHT20)	100	5500	13.32	14.5	No
		116	5580	13.32	14.5	No
		140	5700	10.87	12	No
	802.11ac(VHT40)	102	5510	9.86	11	No
		118	5590	13.39	14.5	No
		134	5670	12.87	14	No
	802.11ac(VHT80)	106	5530	8.51	9	No
		122	5610	13.84	14.5	Yes
	802.11ax(HE20)	100	5500	13.32	14.5	No
		116	5580	13.40	14.5	No
		140	5700	10.81	12	No
	802.11ax(HE40)	102	5510	9.89	11	No
		118	5590	13.34	14.5	No
		134	5670	12.83	14	No
802.11ax(HE80)	106	5530	7.84	9	No	
	122	5610	13.35	14.5	No	
5.8 (5.725~5.85)	802.11a	149	5745	13.34	14.5	No
		157	5785	13.37	14.5	No
		165	5825	13.36	14.5	No
	802.11n(HT20)	149	5745	13.38	14.5	No
		157	5785	13.40	14.5	No

		165	5825	13.30	14.5	No
	802.11n(HT40)	151	5755	13.33	14.5	No
		159	5795	13.32	14.5	No
	802.11ac(VHT20)	149	5745	13.39	14.5	No
		157	5785	13.34	14.5	No
		165	5825	13.39	14.5	No
	802.11ac(VHT40)	151	5755	13.37	14.5	No
		159	5795	13.33	14.5	No
	802.11ac(VHT80)	155	5775	13.85	14.5	Yes
	802.11ax(HE20)	149	5745	13.34	14.5	No
		157	5785	13.32	14.5	No
		165	5825	13.35	14.5	No
	802.11ax(HE40)	151	5755	13.32	14.5	No
		159	5795	13.31	14.5	No
	802.11ax(HE80)	155	5775	13.30	14.5	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.36 5G WLAN-ANT2-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	9.20	10	No
		40	5200	9.03	10	No
		48	5240	9.03	10	No
	802.11n(HT20)	36	5180	9.07	10	No
		40	5200	9.15	10	No
		48	5240	9.19	10	No
	802.11n(HT40)	38	5190	9.03	10	No
		46	5230	9.16	10	No
	802.11ac(VHT20)	36	5180	9.18	10	No
		40	5200	9.05	10	No
		48	5240	9.12	10	No
	802.11ac(VHT40)	38	5190	9.05	10	No
		46	5230	9.00	10	No
	802.11ac(VHT80)	42	5210	9.18	10	No
	802.11ax(HE20)	36	5180	8.92	10	No
		40	5200	8.94	10	No
		48	5240	9.08	10	No
	802.11ax(HE40)	38	5190	9.02	10	No
46		5230	8.95	10	No	
802.11ax(HE80)	42	5210	8.94	10	No	
5.3 (5.25~5.35)	802.11a	52	5260	9.07	10	No
		60	5300	8.97	10	No
		64	5320	8.96	10	No
	802.11n(HT20)	52	5260	8.99	10	No
		60	5300	9.02	10	No
		64	5320	8.98	10	No
	802.11n(HT40)	54	5270	8.94	10	No
		62	5310	9.00	10	No
	802.11ac(VHT20)	52	5260	9.05	10	No
		60	5300	8.99	10	No
		64	5320	8.96	10	No
	802.11ac(VHT40)	54	5270	9.10	10	No
		62	5310	9.08	10	No
	802.11ac(VHT80)	58	5290	8.86	10	Yes

	802.11ax(HE20)	52	5260	9.23	10	No
		60	5300	9.36	10	No
		64	5320	9.31	10	No
	802.11ax(HE40)	54	5270	9.30	10	No
		62	5310	9.28	10	No
	802.11ax(HE80)	58	5290	9.39	10	No
5.6 (5.47~5.725)	802.11a	100	5500	9.29	10	No
		116	5580	9.20	10	No
		120	5600	9.19	10	No
		140	5700	9.12	10	No
	802.11n(HT20)	100	5500	9.32	10	No
		116	5580	9.25	10	No
		140	5700	9.16	10	No
	802.11n(HT40)	102	5510	9.15	10	No
		118	5590	9.18	10	No
		134	5670	9.24	10	No
	802.11ac(VHT20)	100	5500	9.25	10	No
		116	5580	9.29	10	No
		140	5700	9.18	10	No
	802.11ac(VHT40)	102	5510	9.21	10	No
		118	5590	9.36	10	No
		134	5670	9.28	10	No
	802.11ac(VHT80)	106	5530	8.51	9	No
		122	5610	9.63	10	Yes
	802.11ax(HE20)	100	5500	9.38	10	No
		116	5580	9.16	10	No
		140	5700	9.17	10	No
	802.11ax(HE40)	102	5510	9.30	10	No
		118	5590	9.10	10	No
		134	5670	9.33	10	No
802.11ax(HE80)	106	5530	7.84	9	No	
	122	5610	9.28	10	No	
5.8 (5.725~5.85)	802.11a	149	5745	9.15	10	No
		157	5785	9.27	10	No
		165	5825	9.14	10	No
	802.11n(HT20)	149	5745	9.31	10	No
		157	5785	9.10	10	No

		165	5825	9.35	10	No
	802.11n(HT40)	151	5755	9.40	10	No
		159	5795	9.23	10	No
	802.11ac(VHT20)	149	5745	9.23	10	No
		157	5785	9.14	10	No
		165	5825	9.21	10	No
	802.11ac(VHT40)	151	5755	9.13	10	No
		159	5795	9.23	10	No
	802.11ac(VHT80)	155	5775	9.56	10	Yes
	802.11ax(HE20)	149	5745	9.20	10	No
		157	5785	9.38	10	No
		165	5825	9.30	10	No
	802.11ax(HE40)	151	5755	9.39	10	No
		159	5795	9.17	10	No
	802.11ax(HE80)	155	5775	9.39	10	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.37 5G WLAN-ANT2-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.98	14	No
		40	5200	12.83	14	No
		48	5240	13.07	14	No
	802.11n(HT20)	36	5180	13.00	14	No
		40	5200	13.10	14	No
		48	5240	13.13	14	No
	802.11n(HT40)	38	5190	13.03	14	No
		46	5230	13.13	14	No
	802.11ac(VHT20)	36	5180	13.04	14	No
		40	5200	12.91	14	No
		48	5240	12.92	14	No
	802.11ac(VHT40)	38	5190	13.18	14	No
		46	5230	13.16	14	No
	802.11ac(VHT80)	42	5210	11.10	12	No
	802.11ax(HE20)	36	5180	12.84	14	No
		40	5200	13.18	14	No
		48	5240	13.09	14	No
	802.11ax(HE40)	38	5190	13.05	14	No
46		5230	12.91	14	No	
802.11ax(HE80)	42	5210	11.17	12	No	
5.3 (5.25~5.35)	802.11a	52	5260	12.87	14	No
		60	5300	12.98	14	No
		64	5320	13.19	14	No
	802.11n(HT20)	52	5260	13.18	14	No
		60	5300	13.17	14	No
		64	5320	12.99	14	No
	802.11n(HT40)	54	5270	13.19	14	No
		62	5310	13.22	14	Yes
	802.11ac(VHT20)	52	5260	12.90	14	No
		60	5300	13.15	14	No
		64	5320	12.89	14	No
	802.11ac(VHT40)	54	5270	12.91	14	No
62		5310	12.91	14	No	
802.11ac(VHT80)	58	5290	10.90	12	No	

	802.11ax(HE20)	52	5260	13.20	14	No
		60	5300	13.19	14	No
		64	5320	12.80	14	No
	802.11ax(HE40)	54	5270	12.83	14	No
		62	5310	13.16	14	No
	802.11ax(HE80)	58	5290	11.15	12	No
5.6 (5.47~5.725)	802.11a	100	5500	12.82	14	No
		116	5580	12.90	14	No
		120	5600	13.08	14	No
		140	5700	10.90	12.1	No
	802.11n(HT20)	100	5500	13.17	14	No
		116	5580	12.96	14	No
		140	5700	11.04	12	No
	802.11n(HT40)	102	5510	9.89	11	No
		118	5590	12.85	14	No
		134	5670	13.10	14	No
	802.11ac(VHT20)	100	5500	13.02	14	No
		116	5580	12.83	14	No
		140	5700	10.93	12	No
	802.11ac(VHT40)	102	5510	10.20	11	No
		118	5590	12.90	14	No
		134	5670	13.20	14	No
	802.11ac(VHT80)	106	5530	8.51	9	No
		122	5610	13.31	14	Yes
	802.11ax(HE20)	100	5500	13.10	14	No
		116	5580	13.04	14	No
		140	5700	10.92	12	No
	802.11ax(HE40)	102	5510	9.86	11	No
		118	5590	13.07	14	No
		134	5670	13.11	14	No
802.11ax(HE80)	106	5530	7.84	9	No	
	122	5610	13.04	14	No	
5.8 (5.725~5.85)	802.11a	149	5745	13.12	14	No
		157	5785	13.18	14	No
		165	5825	13.11	14	No
	802.11n(HT20)	149	5745	12.85	14	No
		157	5785	13.14	14	No

		165	5825	12.91	14	No
	802.11n(HT40)	151	5755	13.01	14	No
		159	5795	13.17	14	No
	802.11ac(VHT20)	149	5745	12.81	14	No
		157	5785	12.95	14	No
		165	5825	12.83	14	No
	802.11ac(VHT40)	151	5755	13.00	14	No
		159	5795	12.97	14	No
	802.11ac(VHT80)	155	5775	13.28	14	Yes
	802.11ax(HE20)	149	5745	12.96	14	No
		157	5785	12.95	14	No
		165	5825	12.89	14	No
	802.11ax(HE40)	151	5755	12.85	14	No
		159	5795	13.13	14	No
	802.11ax(HE80)	155	5775	12.82	14	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.38 5G WLAN-ANT2-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.05	13	No
		40	5200	12.20	13	No
		48	5240	11.98	13	No
	802.11n(HT20)	36	5180	11.99	13	No
		40	5200	12.02	13	No
		48	5240	12.09	13	No
	802.11n(HT40)	38	5190	12.02	13	No
		46	5230	12.09	13	No
	802.11ac(VHT20)	36	5180	11.94	13	No
		40	5200	11.83	13	No
		48	5240	11.83	13	No
	802.11ac(VHT40)	38	5190	12.15	13	No
		46	5230	11.96	13	No
	802.11ac(VHT80)	42	5210	11.10	12	No
	802.11ax(HE20)	36	5180	12.05	13	No
		40	5200	12.09	13	No
		48	5240	12.16	13	No
	802.11ax(HE40)	38	5190	11.81	13	No
46		5230	12.17	13	No	
802.11ax(HE80)	42	5210	11.14	12	No	
5.3 (5.25~5.35)	802.11a	52	5260	11.88	13	No
		60	5300	12.14	13	No
		64	5320	12.10	13	No
	802.11n(HT20)	52	5260	12.07	13	No
		60	5300	11.87	13	No
		64	5320	12.12	13	No
	802.11n(HT40)	54	5270	12.17	13	Yes
		62	5310	12.26	13	Yes
	802.11ac(VHT20)	52	5260	12.07	13	No
		60	5300	11.90	13	No
		64	5320	12.14	13	No
	802.11ac(VHT40)	54	5270	11.92	13	No
		62	5310	11.87	13	No
	802.11ac(VHT80)	58	5290	11.04	12	No

	802.11ax(HE20)	52	5260	11.93	13	No
		60	5300	12.15	13	No
		64	5320	12.14	13	No
	802.11ax(HE40)	54	5270	11.89	13	No
		62	5310	11.87	13	No
	802.11ax(HE80)	58	5290	11.15	12	No
5.6 (5.47~5.725)	802.11a	100	5500	12.13	13	No
		116	5580	12.13	13	No
		120	5600	12.01	13	No
		140	5700	10.90	12.1	No
	802.11n(HT20)	100	5500	11.96	13	No
		116	5580	11.95	13	No
		140	5700	11.10	12	No
	802.11n(HT40)	102	5510	9.89	11	No
		118	5590	11.98	13	No
		134	5670	11.96	13	No
	802.11ac(VHT20)	100	5500	11.81	13	No
		116	5580	12.16	13	No
		140	5700	11.17	12	No
	802.11ac(VHT40)	102	5510	10.20	11	No
		118	5590	11.91	13	No
		134	5670	11.85	13	No
	802.11ac(VHT80)	106	5530	8.51	9	No
		122	5610	12.33	13	Yes
	802.11ax(HE20)	100	5500	11.99	13	No
		116	5580	11.92	13	No
		140	5700	10.92	12	No
	802.11ax(HE40)	102	5510	9.86	11	No
		118	5590	11.94	13	No
		134	5670	11.81	13	No
802.11ax(HE80)	106	5530	7.84	9	No	
	122	5610	12.02	13	No	
5.8 (5.725~5.85)	802.11a	149	5745	11.80	13	No
		157	5785	11.96	13	No
		165	5825	11.92	13	No
	802.11n(HT20)	149	5745	11.93	13	No
		157	5785	12.16	13	No

		165	5825	12.09	13	No
	802.11n(HT40)	151	5755	11.99	13	No
		159	5795	11.81	13	No
	802.11ac(VHT20)	149	5745	11.98	13	No
		157	5785	12.08	13	No
		165	5825	12.12	13	No
	802.11ac(VHT40)	151	5755	11.98	13	No
		159	5795	11.98	13	No
	802.11ac(VHT80)	155	5775	12.31	13	Yes
	802.11ax(HE20)	149	5745	11.98	13	No
		157	5785	11.95	13	No
		165	5825	11.83	13	No
	802.11ax(HE40)	151	5755	12.10	13	No
		159	5795	11.95	13	No
	802.11ax(HE80)	155	5775	11.91	13	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.39 5G WLAN-ANT2-Level5

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	5.10	6	No
		40	5200	5.43	6	No
		48	5240	5.30	6	No
	802.11n(HT20)	36	5180	5.10	6	No
		40	5200	5.35	6	No
		48	5240	5.50	6	No
	802.11n(HT40)	38	5190	5.42	6	No
		46	5230	5.50	6	No
	802.11ac(VHT20)	36	5180	5.31	6	No
		40	5200	5.24	6	No
		48	5240	5.11	6	No
	802.11ac(VHT40)	38	5190	5.17	6	No
		46	5230	5.14	6	No
	802.11ac(VHT80)	42	5210	5.30	6	No
	802.11ax(HE20)	36	5180	5.10	6	No
		40	5200	5.22	6	No
		48	5240	5.43	6	No
	802.11ax(HE40)	38	5190	5.24	6	No
		46	5230	5.33	6	No
	802.11ax(HE80)	42	5210	5.13	6	No
	5.3 (5.25~5.35)	802.11a	52	5260	4.43	6
60			5300	4.39	6	No
64			5320	4.46	6	No
802.11n(HT20)		52	5260	4.63	6	No
		60	5300	4.37	6	No
		64	5320	4.64	6	No
802.11n(HT40)		54	5270	4.55	6	No
		62	5310	4.36	6	No
802.11ac(VHT20)		52	5260	4.56	6	No
		60	5300	4.65	6	No
		64	5320	4.48	6	No
802.11ac(VHT40)		54	5270	4.37	6	No
		62	5310	4.38	6	No
802.11ac(VHT80)		58	5290	4.79	6	Yes

	802.11ax(HE20)	52	5260	4.41	6	No
		60	5300	4.35	6	No
		64	5320	4.41	6	No
	802.11ax(HE40)	54	5270	4.56	6	No
		62	5310	4.65	6	No
	802.11ax(HE80)	58	5290	4.70	6	No
5.6 (5.47~5.725)	802.11a	100	5500	5.42	6	No
		116	5580	5.41	6	No
		120	5600	5.38	6	No
		140	5700	5.23	6	No
	802.11n(HT20)	100	5500	5.14	6	No
		116	5580	5.19	6	No
		140	5700	5.14	6	No
	802.11n(HT40)	102	5510	5.45	6	No
		118	5590	5.43	6	No
		134	5670	5.42	6	No
	802.11ac(VHT20)	100	5500	5.19	6	No
		116	5580	5.10	6	No
		140	5700	5.24	6	No
	802.11ac(VHT40)	102	5510	5.13	6	No
		118	5590	5.50	6	No
		134	5670	5.22	6	No
	802.11ac(VHT80)	106	5530	5.62	6	Yes
		122	5610	5.56	6	No
	802.11ax(HE20)	100	5500	5.36	6	No
		116	5580	5.13	6	No
		140	5700	5.17	6	No
	802.11ax(HE40)	102	5510	5.48	6	No
		118	5590	5.41	6	No
		134	5670	5.39	6	No
802.11ax(HE80)	106	5530	5.42	6	No	
	122	5610	5.37	6	No	
5.8 (5.725~5.85)	802.11a	149	5745	5.22	6	No
		157	5785	5.27	6	No
		165	5825	5.37	6	No
	802.11n(HT20)	149	5745	5.39	6	No
		157	5785	5.10	6	No

		165	5825	5.43	6	No
	802.11n(HT40)	151	5755	5.27	6	No
		159	5795	5.38	6	No
	802.11ac(VHT20)	149	5745	5.26	6	No
		157	5785	5.25	6	No
		165	5825	5.29	6	No
	802.11ac(VHT40)	151	5755	5.39	6	No
		159	5795	5.28	6	No
	802.11ac(VHT80)	155	5775	5.48	6	Yes
	802.11ax(HE20)	149	5745	5.22	6	No
		157	5785	5.39	6	No
		165	5825	5.48	6	No
	802.11ax(HE40)	151	5755	5.31	6	No
		159	5795	5.31	6	No
	802.11ax(HE80)	155	5775	5.47	6	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.40 5G WLAN-ANT2-Level6

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	10.15	11	No
		40	5200	10.11	11	No
		48	5240	10.13	11	No
	802.11n(HT20)	36	5180	10.18	11	No
		40	5200	10.17	11	No
		48	5240	10.27	11	No
	802.11n(HT40)	38	5190	10.20	11	No
		46	5230	10.21	11	No
	802.11ac(VHT20)	36	5180	10.13	11	No
		40	5200	10.14	11	No
		48	5240	10.19	11	No
	802.11ac(VHT40)	38	5190	10.12	11	No
		46	5230	10.14	11	No
	802.11ac(VHT80)	42	5210	10.14	11	No
	802.11ax(HE20)	36	5180	10.24	11	No
		40	5200	10.16	11	No
		48	5240	10.24	11	No
	802.11ax(HE40)	38	5190	10.23	11	No
46		5230	10.26	11	No	
802.11ax(HE80)	42	5210	10.27	11	No	
5.3 (5.25~5.35)	802.11a	52	5260	10.21	11	No
		60	5300	10.29	11	No
		64	5320	10.16	11	No
	802.11n(HT20)	52	5260	10.17	11	No
		60	5300	10.30	11	No
		64	5320	10.30	11	No
	802.11n(HT40)	54	5270	10.13	11	No
		62	5310	10.23	11	No
	802.11ac(VHT20)	52	5260	10.25	11	No
		60	5300	10.25	11	No
		64	5320	10.30	11	No
	802.11ac(VHT40)	54	5270	10.28	11	No
		62	5310	10.30	11	No
	802.11ac(VHT80)	58	5290	10.22	11	Yes

	802.11ax(HE20)	52	5260	10.15	11	No
		60	5300	10.23	11	No
		64	5320	10.28	11	No
	802.11ax(HE40)	54	5270	10.17	11	No
		62	5310	10.14	11	No
	802.11ax(HE80)	58	5290	10.29	11	No
5.6 (5.47~5.725)	802.11a	100	5500	10.25	11	No
		116	5580	10.15	11	No
		120	5600	10.13	11	No
		140	5700	10.15	11	No
	802.11n(HT20)	100	5500	10.20	11	No
		116	5580	10.21	11	No
		140	5700	10.23	11	No
	802.11n(HT40)	102	5510	10.17	11	No
		118	5590	10.16	11	No
		134	5670	10.23	11	No
	802.11ac(VHT20)	100	5500	10.23	11	No
		116	5580	10.11	11	No
		140	5700	10.30	11	No
	802.11ac(VHT40)	102	5510	10.14	11	No
		118	5590	10.20	11	No
		134	5670	10.20	11	No
	802.11ac(VHT80)	106	5530	8.51	9	No
		122	5610	10.34	11	Yes
	802.11ax(HE20)	100	5500	10.15	11	No
		116	5580	10.18	11	No
		140	5700	10.20	11	No
	802.11ax(HE40)	102	5510	10.24	11	No
		118	5590	10.22	11	No
		134	5670	10.15	11	No
802.11ax(HE80)	106	5530	7.84	9	No	
	122	5610	10.27	11	No	
5.8 (5.725~5.85)	802.11a	149	5745	10.13	11	No
		157	5785	10.12	11	No
		165	5825	10.20	11	No
	802.11n(HT20)	149	5745	10.29	11	No
		157	5785	10.23	11	No

		165	5825	10.12	11	No
	802.11n(HT40)	151	5755	10.29	11	No
		159	5795	10.16	11	No
	802.11ac(VHT20)	149	5745	10.28	11	No
		157	5785	10.23	11	No
		165	5825	10.12	11	No
	802.11ac(VHT40)	151	5755	10.27	11	No
		159	5795	10.25	11	No
	802.11ac(VHT80)	155	5775	10.34	11	Yes
	802.11ax(HE20)	149	5745	10.24	11	No
		157	5785	10.14	11	No
		165	5825	10.26	11	No
	802.11ax(HE40)	151	5755	10.17	11	No
		159	5795	10.14	11	No
	802.11ax(HE80)	155	5775	10.24	11	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.41 5G WLAN-ANT2-Level7&8&9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.09	16.1	No
		40	5200	15.08	16.1	No
		48	5240	15.06	16.1	No
	802.11n(HT20)	36	5180	15.00	16	No
		40	5200	15.06	16	No
		48	5240	14.94	16	No
	802.11n(HT40)	38	5190	13.03	14	No
		46	5230	13.13	14	No
	802.11ac(VHT20)	36	5180	15.09	16	No
		40	5200	14.92	16	No
		48	5240	15.00	16	No
	802.11ac(VHT40)	38	5190	13.01	14	No
		46	5230	12.99	14	No
	802.11ac(VHT80)	42	5210	10.90	12	No
	802.11ax(HE20)	36	5180	15.01	16	No
		40	5200	15.19	16	No
		48	5240	15.01	16	No
	802.11ax(HE40)	38	5190	12.94	14	No
46		5230	13.00	14	No	
802.11ax(HE80)	42	5210	11.13	12	No	
5.3 (5.25~5.35)	802.11a	52	5260	15.14	16.1	No
		60	5300	15.17	16.1	Yes
		64	5320	15.16	16.1	No
	802.11n(HT20)	52	5260	15.17	16	No
		60	5300	14.96	16	No
		64	5320	15.15	16	No
	802.11n(HT40)	54	5270	13.09	14	No
		62	5310	13.01	14	No
	802.11ac(VHT20)	52	5260	15.19	16	No
		60	5300	15.10	16	No
		64	5320	14.91	16	No
	802.11ac(VHT40)	54	5270	13.09	14	No
		62	5310	13.20	14	No
	802.11ac(VHT80)	58	5290	11.18	12	No

	802.11ax(HE20)	52	5260	14.96	16	No	
		60	5300	15.12	16	No	
		64	5320	15.09	16	No	
	802.11ax(HE40)	54	5270	13.04	14	No	
		62	5310	13.02	14	No	
	802.11ax(HE80)	58	5290	10.97	12	No	
5.6 (5.47~5.725)	802.11a	100	5500	14.34	15.1	No	
		116	5580	15.36	16.1	Yes	
		120	5600	15.29	16.1	No	
		140	5700	11.79	12.1	Yes	
	802.11n(HT20)	100	5500	13.90	15	No	
		116	5580	14.92	16	No	
		140	5700	11.11	12	No	
	802.11n(HT40)	102	5510	10.19	11	No	
		118	5590	15.10	16	No	
		134	5670	13.13	14	No	
	802.11ac(VHT20)	100	5500	13.90	15	No	
		116	5580	15.14	16	No	
		140	5700	11.18	12	No	
	802.11ac(VHT40)	102	5510	10.17	11	No	
		118	5590	15.20	16	No	
		134	5670	13.01	14	No	
	802.11ac(VHT80)	106	5530	8.15	9	No	
		122	5610	15.07	16	No	
	802.11ax(HE20)	100	5500	13.91	15	No	
		116	5580	15.12	16	No	
		140	5700	11.03	12	No	
	802.11ax(HE40)	102	5510	10.18	11	No	
		118	5590	15.04	16	No	
		134	5670	13.03	14	No	
	802.11ax(HE80)	106	5530	8.12	9	No	
		122	5610	15.18	16	No	
	5.8 (5.725~5.85)	802.11a	149	5745	17.18	18	No
			157	5785	17.13	18	No
			165	5825	17.16	18	No
		802.11n(HT20)	149	5745	17.07	18	No
157			5785	17.13	18	No	

		165	5825	17.92	18	No
	802.11n(HT40)	151	5755	17.09	18	No
		159	5795	17.15	18	No
	802.11ac(VHT20)	149	5745	17.93	18	No
		157	5785	17.94	18	No
		165	5825	17.11	18	No
	802.11ac(VHT40)	151	5755	17.96	18	No
		159	5795	17.11	18	No
	802.11ac(VHT80)	155	5775	17.02	18	Yes
	802.11ax(HE20)	149	5745	16.96	18	No
		157	5785	16.99	18	No
		165	5825	16.97	18	No
	802.11ax(HE40)	151	5755	17.91	18	No
		159	5795	17.13	18	No
	802.11ax(HE80)	155	5775	17.15	18	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.42 5G WLAN-ANT2-Level10

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.09	16.1	Yes
		40	5200	15.08	16.1	No
		48	5240	15.06	16.1	No
	802.11n(HT20)	36	5180	15.00	16	No
		40	5200	15.06	16	No
		48	5240	14.94	16	No
	802.11n(HT40)	38	5190	13.03	14	No
		46	5230	13.13	14	No
	802.11ac(VHT20)	36	5180	15.09	16	No
		40	5200	14.92	16	No
		48	5240	15.00	16	No
	802.11ac(VHT40)	38	5190	13.01	14	No
		46	5230	12.99	14	No
	802.11ac(VHT80)	42	5210	10.90	12	No
	802.11ax(HE20)	36	5180	15.01	16	No
		40	5200	15.19	16	No
		48	5240	15.01	16	No
	802.11ax(HE40)	38	5190	12.94	14	No
		46	5230	13.00	14	No
	802.11ax(HE80)	42	5210	11.13	12	No
	5.3 (5.25~5.35)	802.11a	52	5260	15.14	16.1
60			5300	15.17	16.1	Yes
64			5320	15.16	16.1	No
802.11n(HT20)		52	5260	15.17	16	No
		60	5300	14.96	16	No
		64	5320	15.15	16	No
802.11n(HT40)		54	5270	13.09	14	No
		62	5310	13.01	14	No
802.11ac(VHT20)		52	5260	15.19	16	No
		60	5300	15.10	16	No
		64	5320	14.91	16	No
802.11ac(VHT40)		54	5270	13.09	14	No
		62	5310	13.20	14	No
802.11ac(VHT80)		58	5290	11.18	12	No

	802.11ax(HE20)	52	5260	14.96	16	No
		60	5300	15.12	16	No
		64	5320	15.09	16	No
	802.11ax(HE40)	54	5270	13.04	14	No
		62	5310	13.02	14	No
	802.11ax(HE80)	58	5290	10.97	12	No
5.6 (5.47~5.725)	802.11a	100	5500	14.34	15.1	No
		116	5580	15.36	16.1	Yes
		120	5600	15.29	16.1	No
		140	5700	11.79	12.1	No
	802.11n(HT20)	100	5500	13.90	15	No
		116	5580	14.92	16	No
		140	5700	11.11	12	No
	802.11n(HT40)	102	5510	10.19	11	No
		118	5590	15.10	16	No
		134	5670	13.13	14	No
	802.11ac(VHT20)	100	5500	13.90	15	No
		116	5580	15.14	16	No
		140	5700	11.18	12	No
	802.11ac(VHT40)	102	5510	10.17	11	No
		118	5590	15.20	16	No
		134	5670	13.01	14	No
	802.11ac(VHT80)	106	5530	8.15	9	No
		122	5610	15.07	16	No
	802.11ax(HE20)	100	5500	13.91	15	No
		116	5580	15.12	16	No
		140	5700	11.03	12	No
	802.11ax(HE40)	102	5510	10.18	11	No
		118	5590	15.04	16	No
		134	5670	13.03	14	No
	802.11ax(HE80)	106	5530	8.12	9	No
		122	5610	15.18	16	No
	5.8 (5.725~5.85)	802.11a	149	5745	15.96	17
157			5785	16.02	17	No
165			5825	16.02	17	No
802.11n(HT20)		149	5745	15.93	17	No
		157	5785	16.30	17	No

		165	5825	15.91	17	No
	802.11n(HT40)	151	5755	16.11	17	No
		159	5795	16.29	17	No
	802.11ac(VHT20)	149	5745	16.14	17	No
		157	5785	16.08	17	No
		165	5825	15.99	17	No
	802.11ac(VHT40)	151	5755	15.97	17	No
		159	5795	16.04	17	No
	802.11ac(VHT80)	155	5775	16.17	17	Yes
	802.11ax(HE20)	149	5745	16.10	17	No
		157	5785	16.27	17	No
		165	5825	16.30	17	No
	802.11ax(HE40)	151	5755	15.94	17	No
		159	5795	16.05	17	No
	802.11ax(HE80)	155	5775	16.00	17	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.43 5G WLAN-ANT2-Level11

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.98	14	No
		40	5200	12.83	14	No
		48	5240	13.07	14	No
	802.11n(HT20)	36	5180	13.00	14	No
		40	5200	13.10	14	No
		48	5240	13.13	14	No
	802.11n(HT40)	38	5190	13.03	14	No
		46	5230	13.13	14	Yes
	802.11ac(VHT20)	36	5180	13.04	14	No
		40	5200	12.91	14	No
		48	5240	12.92	14	No
	802.11ac(VHT40)	38	5190	13.18	14	No
		46	5230	13.16	14	No
	802.11ac(VHT80)	42	5210	11.10	12	No
	802.11ax(HE20)	36	5180	12.84	14	No
		40	5200	13.18	14	No
		48	5240	13.09	14	No
	802.11ax(HE40)	38	5190	13.05	14	No
46		5230	12.91	14	No	
802.11ax(HE80)	42	5210	11.17	12	No	
5.3 (5.25~5.35)	802.11a	52	5260	12.87	14	No
		60	5300	12.98	14	No
		64	5320	13.19	14	No
	802.11n(HT20)	52	5260	13.18	14	No
		60	5300	13.17	14	No
		64	5320	12.99	14	No
	802.11n(HT40)	54	5270	13.19	14	No
		62	5310	13.22	14	Yes
	802.11ac(VHT20)	52	5260	12.90	14	No
		60	5300	13.15	14	No
		64	5320	12.89	14	No
	802.11ac(VHT40)	54	5270	12.91	14	No
62		5310	12.91	14	No	
802.11ac(VHT80)	58	5290	10.90	12	No	

	802.11ax(HE20)	52	5260	13.20	14	No
		60	5300	13.19	14	No
		64	5320	12.80	14	No
	802.11ax(HE40)	54	5270	12.83	14	No
		62	5310	13.16	14	No
	802.11ax(HE80)	58	5290	11.15	12	No
5.6 (5.47~5.725)	802.11a	100	5500	12.82	14	No
		116	5580	12.90	14	No
		120	5600	13.08	14	No
		140	5700	10.90	12.1	No
	802.11n(HT20)	100	5500	13.17	14	No
		116	5580	12.96	14	No
		140	5700	11.04	12	No
	802.11n(HT40)	102	5510	9.89	11	No
		118	5590	12.85	14	No
		134	5670	13.10	14	No
	802.11ac(VHT20)	100	5500	13.02	14	No
		116	5580	12.83	14	No
		140	5700	10.93	12	No
	802.11ac(VHT40)	102	5510	10.20	11	No
		118	5590	12.90	14	No
		134	5670	13.20	14	No
	802.11ac(VHT80)	106	5530	8.51	9	No
		122	5610	13.31	14	Yes
	802.11ax(HE20)	100	5500	13.10	14	No
		116	5580	13.04	14	No
		140	5700	10.92	12	No
	802.11ax(HE40)	102	5510	9.86	11	No
		118	5590	13.07	14	No
		134	5670	13.11	14	No
802.11ax(HE80)	106	5530	7.84	9	No	
	122	5610	13.04	14	No	
5.8 (5.725~5.85)	802.11a	149	5745	13.12	14	No
		157	5785	13.18	14	No
		165	5825	13.11	14	No
	802.11n(HT20)	149	5745	12.85	14	No
		157	5785	13.14	14	No

		165	5825	12.91	14	No
	802.11n(HT40)	151	5755	13.01	14	No
		159	5795	13.17	14	No
	802.11ac(VHT20)	149	5745	12.81	14	No
		157	5785	12.95	14	No
		165	5825	12.83	14	No
	802.11ac(VHT40)	151	5755	13.00	14	No
		159	5795	12.97	14	No
	802.11ac(VHT80)	155	5775	13.28	14	Yes
	802.11ax(HE20)	149	5745	12.96	14	No
		157	5785	12.95	14	No
		165	5825	12.89	14	No
	802.11ax(HE40)	151	5755	12.85	14	No
		159	5795	13.13	14	No
	802.11ax(HE80)	155	5775	12.82	14	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.44 5G WLAN-ANT2-Level12

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.05	13	No
		40	5200	12.20	13	No
		48	5240	11.98	13	No
	802.11n(HT20)	36	5180	11.99	13	No
		40	5200	12.02	13	No
		48	5240	12.09	13	No
	802.11n(HT40)	38	5190	12.02	13	No
		46	5230	12.09	13	Yes
	802.11ac(VHT20)	36	5180	11.94	13	No
		40	5200	11.83	13	No
		48	5240	11.83	13	No
	802.11ac(VHT40)	38	5190	12.15	13	No
		46	5230	11.96	13	No
	802.11ac(VHT80)	42	5210	11.10	12	No
	802.11ax(HE20)	36	5180	12.05	13	No
		40	5200	12.09	13	No
		48	5240	12.16	13	No
	802.11ax(HE40)	38	5190	11.81	13	No
46		5230	12.17	13	No	
802.11ax(HE80)	42	5210	11.14	12	No	
5.3 (5.25~5.35)	802.11a	52	5260	11.88	13	No
		60	5300	12.14	13	No
		64	5320	12.10	13	No
	802.11n(HT20)	52	5260	12.07	13	No
		60	5300	11.87	13	No
		64	5320	12.12	13	No
	802.11n(HT40)	54	5270	12.17	13	No
		62	5310	12.26	13	Yes
	802.11ac(VHT20)	52	5260	12.07	13	No
		60	5300	11.90	13	No
		64	5320	12.14	13	No
	802.11ac(VHT40)	54	5270	11.92	13	No
62		5310	11.87	13	No	
802.11ac(VHT80)	58	5290	11.04	12	No	

	802.11ax(HE20)	52	5260	11.93	13	No
		60	5300	12.15	13	No
		64	5320	12.14	13	No
	802.11ax(HE40)	54	5270	11.89	13	No
		62	5310	11.87	13	No
	802.11ax(HE80)	58	5290	11.15	12	No
5.6 (5.47~5.725)	802.11a	100	5500	12.13	13	No
		116	5580	12.13	13	No
		120	5600	12.01	13	No
		140	5700	10.90	12.1	No
	802.11n(HT20)	100	5500	11.96	13	No
		116	5580	11.95	13	No
		140	5700	11.10	12	No
	802.11n(HT40)	102	5510	9.89	11	No
		118	5590	11.98	13	No
		134	5670	11.96	13	No
	802.11ac(VHT20)	100	5500	11.81	13	No
		116	5580	12.16	13	No
		140	5700	11.17	12	No
	802.11ac(VHT40)	102	5510	10.20	11	No
		118	5590	11.91	13	No
		134	5670	11.85	13	No
	802.11ac(VHT80)	106	5530	8.51	9	No
		122	5610	12.33	13	Yes
	802.11ax(HE20)	100	5500	11.99	13	No
		116	5580	11.92	13	No
		140	5700	10.92	12	No
	802.11ax(HE40)	102	5510	9.86	11	No
		118	5590	11.94	13	No
		134	5670	11.81	13	No
802.11ax(HE80)	106	5530	7.84	9	No	
	122	5610	12.02	13	No	
5.8 (5.725~5.85)	802.11a	149	5745	11.80	13	No
		157	5785	11.96	13	No
		165	5825	11.92	13	No
	802.11n(HT20)	149	5745	11.93	13	No
		157	5785	12.16	13	No

		165	5825	12.09	13	No
	802.11n(HT40)	151	5755	11.99	13	No
		159	5795	11.81	13	No
	802.11ac(VHT20)	149	5745	11.98	13	No
		157	5785	12.08	13	No
		165	5825	12.12	13	No
	802.11ac(VHT40)	151	5755	11.98	13	No
		159	5795	11.98	13	No
	802.11ac(VHT80)	155	5775	12.31	13	Yes
	802.11ax(HE20)	149	5745	11.98	13	No
		157	5785	11.95	13	No
		165	5825	11.83	13	No
	802.11ax(HE40)	151	5755	12.10	13	No
		159	5795	11.95	13	No
	802.11ax(HE80)	155	5775	11.91	13	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.45 5G WLAN-ANT9-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.49	16.1	No
		40	5200	15.59	16.1	No
		48	5240	15.74	16.1	No
	802.11n(HT20)	36	5180	15.43	16	No
		40	5200	15.60	16	No
		48	5240	15.36	16	No
	802.11n(HT40)	38	5190	13.60	14	No
		46	5230	13.36	14	No
	802.11ac(VHT20)	36	5180	15.39	16	No
		40	5200	15.57	16	No
		48	5240	15.56	16	No
	802.11ac(VHT40)	38	5190	13.10	14	No
		46	5230	13.10	14	No
	802.11ac(VHT80)	42	5210	11.26	12	No
	802.11ax(HE20)	36	5180	15.47	16	No
		40	5200	15.12	16	No
		48	5240	15.50	16	No
	802.11ax(HE40)	38	5190	13.34	14	No
46		5230	13.12	14	No	
802.11ax(HE80)	42	5210	11.44	12	No	
5.3 (5.25~5.35)	802.11a	52	5260	15.74	16.1	Yes
		60	5300	15.83	16.1	Yes
		64	5320	15.87	16.1	Yes
	802.11n(HT20)	52	5260	15.51	16	No
		60	5300	15.52	16	No
		64	5320	15.36	16	No
	802.11n(HT40)	54	5270	13.13	14	No
		62	5310	13.25	14	No
	802.11ac(VHT20)	52	5260	15.46	16	No
		60	5300	15.18	16	No
		64	5320	15.36	16	No
	802.11ac(VHT40)	54	5270	13.36	14	No
		62	5310	13.36	14	No
	802.11ac(VHT80)	58	5290	11.12	12	No

	802.11ax(HE20)	52	5260	15.56	16	No	
		60	5300	15.12	16	No	
		64	5320	15.58	16	No	
	802.11ax(HE40)	54	5270	13.33	14	No	
		62	5310	13.27	14	No	
	802.11ax(HE80)	58	5290	11.33	12	No	
5.6 (5.47~5.725)	802.11a	100	5500	14.59	15.1	No	
		116	5580	15.69	16.1	No	
		120	5600	15.73	16.1	Yes	
		140	5700	11.94	12.1	No	
	802.11n(HT20)	100	5500	14.44	15	No	
		116	5580	15.17	16	No	
		140	5700	11.57	12	No	
	802.11n(HT40)	102	5510	10.30	11	No	
		118	5590	15.40	16	No	
		134	5670	13.19	14	No	
	802.11ac(VHT20)	100	5500	14.27	15	No	
		116	5580	15.28	16	No	
		140	5700	11.22	12	No	
	802.11ac(VHT40)	102	5510	10.37	11	No	
		118	5590	15.14	16	No	
		134	5670	13.23	14	No	
	802.11ac(VHT80)	106	5530	8.61	9	No	
		122	5610	15.16	16	No	
	802.11ax(HE20)	100	5500	14.18	15	No	
		116	5580	15.55	16	No	
		140	5700	11.25	12	No	
	802.11ax(HE40)	102	5510	10.47	11	No	
		118	5590	15.20	16	No	
		134	5670	13.12	14	No	
	802.11ax(HE80)	106	5530	8.33	9	No	
		122	5610	15.51	16	No	
	5.8 (5.725~5.85)	802.11a	149	5745	18.39	19.1	Yes
			157	5785	18.34	19.1	No
			165	5825	18.37	19.1	No
		802.11n(HT20)	149	5745	18.50	19	No
157			5785	18.36	19	No	

		165	5825	18.23	19	No
	802.11n(HT40)	151	5755	18.59	19	No
		159	5795	18.51	19	No
	802.11ac(VHT20)	149	5745	18.30	19	No
		157	5785	18.41	19	No
		165	5825	18.44	19	No
	802.11ac(VHT40)	151	5755	18.59	19	No
		159	5795	18.31	19	No
	802.11ac(VHT80)	155	5775	17.36	18	No
	802.11ax(HE20)	149	5745	18.31	19	No
		157	5785	18.42	19	No
		165	5825	18.37	19	No
	802.11ax(HE40)	151	5755	18.36	19	No
		159	5795	18.55	19	No
	802.11ax(HE80)	155	5775	17.35	18	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.46 5G WLAN-ANT9-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.98	14.5	No
		40	5200	14.01	14.5	No
		48	5240	14.04	14.5	No
	802.11n(HT20)	36	5180	14.00	14.5	No
		40	5200	13.66	14.5	No
		48	5240	14.02	14.5	No
	802.11n(HT40)	38	5190	13.58	14	No
		46	5230	13.72	14	No
	802.11ac(VHT20)	36	5180	13.75	14.5	No
		40	5200	14.01	14.5	No
		48	5240	13.87	14.5	No
	802.11ac(VHT40)	38	5190	13.10	14	No
		46	5230	13.10	14	No
	802.11ac(VHT80)	42	5210	11.26	12	No
	802.11ax(HE20)	36	5180	13.67	14.5	No
		40	5200	13.85	14.5	No
		48	5240	13.75	14.5	No
	802.11ax(HE40)	38	5190	13.34	14	No
46		5230	13.12	14	No	
802.11ax(HE80)	42	5210	11.44	12	No	
5.3 (5.25~5.35)	802.11a	52	5260	14.13	14.5	No
		60	5300	14.12	14.5	No
		64	5320	14.20	14.5	Yes
	802.11n(HT20)	52	5260	14.02	14.5	No
		60	5300	13.62	14.5	No
		64	5320	13.86	14.5	No
	802.11n(HT40)	54	5270	13.77	14	No
		62	5310	13.72	14	No
	802.11ac(VHT20)	52	5260	13.73	14.5	No
		60	5300	14.08	14.5	No
		64	5320	14.10	14.5	No
	802.11ac(VHT40)	54	5270	13.36	14	No
		62	5310	13.36	14	No
	802.11ac(VHT80)	58	5290	11.12	12	No

	802.11ax(HE20)	52	5260	14.06	14.5	No
		60	5300	13.63	14.5	No
		64	5320	13.80	14.5	No
	802.11ax(HE40)	54	5270	13.33	14	No
		62	5310	13.27	14	No
	802.11ax(HE80)	58	5290	11.33	12	No
5.6 (5.47~5.725)	802.11a	100	5500	14.05	14.5	No
		116	5580	13.76	14.5	No
		120	5600	13.60	14.5	No
		140	5700	11.94	12.1	No
	802.11n(HT20)	100	5500	14.08	14.5	No
		116	5580	14.07	14.5	No
		140	5700	11.57	12	No
	802.11n(HT40)	102	5510	10.30	11	No
		118	5590	13.84	14.5	No
		134	5670	13.19	14	No
	802.11ac(VHT20)	100	5500	13.73	14.5	No
		116	5580	13.75	14.5	No
		140	5700	11.22	12	No
	802.11ac(VHT40)	102	5510	10.37	11	No
		118	5590	13.98	14.5	No
		134	5670	13.53	14	No
	802.11ac(VHT80)	106	5530	8.61	9	No
		122	5610	14.17	14.5	Yes
	802.11ax(HE20)	100	5500	14.07	14.5	No
		116	5580	13.74	14.5	No
		140	5700	11.25	12	No
	802.11ax(HE40)	102	5510	10.47	11	No
		118	5590	14.05	14.5	No
		134	5670	13.41	14	No
802.11ax(HE80)	106	5530	8.33	9	No	
	122	5610	13.97	14.5	No	
5.8 (5.725~5.85)	802.11a	149	5745	13.60	14.5	No
		157	5785	13.76	14.5	No
		165	5825	13.62	14.5	No
	802.11n(HT20)	149	5745	14.10	14.5	No
		157	5785	13.83	14.5	No

		165	5825	14.07	14.5	No
	802.11n(HT40)	151	5755	13.97	14.5	No
		159	5795	14.09	14.5	No
	802.11ac(VHT20)	149	5745	13.96	14.5	No
		157	5785	13.96	14.5	No
		165	5825	13.75	14.5	No
	802.11ac(VHT40)	151	5755	14.01	14.5	No
		159	5795	13.88	14.5	No
	802.11ac(VHT80)	155	5775	13.84	14.5	Yes
	802.11ax(HE20)	149	5745	13.78	14.5	No
		157	5785	13.79	14.5	No
		165	5825	14.05	14.5	No
	802.11ax(HE40)	151	5755	13.69	14.5	No
		159	5795	13.70	14.5	No
	802.11ax(HE80)	155	5775	13.65	14.5	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.47 5G WLAN-ANT9-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	9.34	10	No
		40	5200	9.25	10	No
		48	5240	9.24	10	No
	802.11n(HT20)	36	5180	9.48	10	No
		40	5200	9.21	10	No
		48	5240	9.39	10	No
	802.11n(HT40)	38	5190	9.36	10	No
		46	5230	9.29	10	No
	802.11ac(VHT20)	36	5180	9.29	10	No
		40	5200	9.31	10	No
		48	5240	9.48	10	No
	802.11ac(VHT40)	38	5190	9.28	10	No
		46	5230	9.48	10	No
	802.11ac(VHT80)	42	5210	9.58	10	No
	802.11ax(HE20)	36	5180	9.38	10	No
		40	5200	9.24	10	No
		48	5240	9.21	10	No
	802.11ax(HE40)	38	5190	9.24	10	No
46		5230	9.43	10	No	
802.11ax(HE80)	42	5210	9.42	10	No	
5.3 (5.25~5.35)	802.11a	52	5260	9.28	10	No
		60	5300	9.35	10	No
		64	5320	9.20	10	No
	802.11n(HT20)	52	5260	9.23	10	No
		60	5300	9.38	10	No
		64	5320	9.50	10	No
	802.11n(HT40)	54	5270	9.27	10	No
		62	5310	9.31	10	No
	802.11ac(VHT20)	52	5260	9.40	10	No
		60	5300	9.20	10	No
		64	5320	9.24	10	No
	802.11ac(VHT40)	54	5270	9.40	10	No
		62	5310	9.42	10	No
	802.11ac(VHT80)	58	5290	9.84	10	Yes

	802.11ax(HE20)	52	5260	9.40	10	No
		60	5300	9.31	10	No
		64	5320	9.29	10	No
	802.11ax(HE40)	54	5270	9.45	10	No
		62	5310	9.28	10	No
	802.11ax(HE80)	58	5290	9.35	10	No
5.6 (5.47~5.725)	802.11a	100	5500	9.29	10	No
		116	5580	9.37	10	No
		120	5600	9.28	10	No
		140	5700	9.21	10	No
	802.11n(HT20)	100	5500	9.34	10	No
		116	5580	9.38	10	No
		140	5700	9.27	10	No
	802.11n(HT40)	102	5510	9.43	10	No
		118	5590	9.27	10	No
		134	5670	9.45	10	No
	802.11ac(VHT20)	100	5500	9.38	10	No
		116	5580	9.36	10	No
		140	5700	9.48	10	No
	802.11ac(VHT40)	102	5510	9.45	10	No
		118	5590	9.43	10	No
		134	5670	9.47	10	No
	802.11ac(VHT80)	106	5530	8.61	9	Yes
		122	5610	9.86	10	Yes
	802.11ax(HE20)	100	5500	9.31	10	No
		116	5580	9.39	10	No
		140	5700	9.26	10	No
	802.11ax(HE40)	102	5510	9.45	10	No
		118	5590	9.31	10	No
		134	5670	9.26	10	No
802.11ax(HE80)	106	5530	8.33	9	No	
	122	5610	9.24	10	No	
5.8 (5.725~5.85)	802.11a	149	5745	9.36	10	No
		157	5785	9.45	10	No
		165	5825	9.20	10	No
	802.11n(HT20)	149	5745	9.24	10	No
		157	5785	9.26	10	No

		165	5825	9.30	10	No
	802.11n(HT40)	151	5755	9.46	10	No
		159	5795	9.47	10	No
	802.11ac(VHT20)	149	5745	9.20	10	No
		157	5785	9.36	10	No
		165	5825	9.44	10	No
	802.11ac(VHT40)	151	5755	9.33	10	No
		159	5795	9.33	10	No
	802.11ac(VHT80)	155	5775	9.62	10	Yes
	802.11ax(HE20)	149	5745	9.39	10	No
		157	5785	9.30	10	No
		165	5825	9.26	10	No
	802.11ax(HE40)	151	5755	9.45	10	No
		159	5795	9.30	10	No
	802.11ax(HE80)	155	5775	9.44	10	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.48 5G WLAN-ANT9-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.31	14	No
		40	5200	13.56	14	No
		48	5240	13.27	14	No
	802.11n(HT20)	36	5180	13.54	14	No
		40	5200	13.33	14	No
		48	5240	13.42	14	No
	802.11n(HT40)	38	5190	13.58	14	No
		46	5230	13.72	14	No
	802.11ac(VHT20)	36	5180	13.12	14	No
		40	5200	13.31	14	No
		48	5240	13.21	14	No
	802.11ac(VHT40)	38	5190	13.10	14	No
		46	5230	13.10	14	No
	802.11ac(VHT80)	42	5210	11.26	12	No
	802.11ax(HE20)	36	5180	13.19	14	No
		40	5200	13.41	14	No
		48	5240	13.40	14	No
	802.11ax(HE40)	38	5190	13.34	14	No
46		5230	13.12	14	No	
802.11ax(HE80)	42	5210	11.44	12	No	
5.3 (5.25~5.35)	802.11a	52	5260	13.29	14	No
		60	5300	13.39	14	No
		64	5320	13.20	14	No
	802.11n(HT20)	52	5260	13.28	14	No
		60	5300	13.25	14	No
		64	5320	13.48	14	No
	802.11n(HT40)	54	5270	13.77	14	Yes
		62	5310	13.72	14	No
	802.11ac(VHT20)	52	5260	13.22	14	No
		60	5300	13.30	14	No
		64	5320	13.20	14	No
	802.11ac(VHT40)	54	5270	13.36	14	No
		62	5310	13.36	14	No
	802.11ac(VHT80)	58	5290	11.12	12	No

	802.11ax(HE20)	52	5260	13.18	14	No
		60	5300	13.58	14	No
		64	5320	13.10	14	No
	802.11ax(HE40)	54	5270	13.33	14	No
		62	5310	13.27	14	No
	802.11ax(HE80)	58	5290	11.33	12	No
5.6 (5.47~5.725)	802.11a	100	5500	13.30	14	No
		116	5580	13.30	14	No
		120	5600	13.54	14	No
		140	5700	11.94	12.1	No
	802.11n(HT20)	100	5500	13.49	14	No
		116	5580	13.52	14	No
		140	5700	11.57	12	No
	802.11n(HT40)	102	5510	10.30	11	No
		118	5590	13.54	14	No
		134	5670	13.21	14	No
	802.11ac(VHT20)	100	5500	13.25	14	No
		116	5580	13.37	14	No
		140	5700	11.22	12	No
	802.11ac(VHT40)	102	5510	10.37	11	No
		118	5590	13.28	14	No
		134	5670	13.53	14	No
	802.11ac(VHT80)	106	5530	8.61	9	No
		122	5610	13.67	14	Yes
	802.11ax(HE20)	100	5500	13.22	14	No
		116	5580	13.19	14	No
		140	5700	11.25	12	No
	802.11ax(HE40)	102	5510	10.47	11	No
		118	5590	13.49	14	No
		134	5670	13.41	14	No
802.11ax(HE80)	106	5530	8.33	9	No	
	122	5610	13.34	14	No	
5.8 (5.725~5.85)	802.11a	149	5745	13.21	14	No
		157	5785	13.15	14	No
		165	5825	13.26	14	No
	802.11n(HT20)	149	5745	13.28	14	No
		157	5785	13.49	14	No

		165	5825	13.40	14	No
	802.11n(HT40)	151	5755	13.14	14	No
		159	5795	13.58	14	No
	802.11ac(VHT20)	149	5745	13.20	14	No
		157	5785	13.36	14	No
		165	5825	13.17	14	No
	802.11ac(VHT40)	151	5755	13.39	14	No
		159	5795	13.59	14	No
	802.11ac(VHT80)	155	5775	13.40	14	Yes
	802.11ax(HE20)	149	5745	13.12	14	No
		157	5785	13.33	14	No
		165	5825	13.56	14	No
	802.11ax(HE40)	151	5755	13.59	14	No
		159	5795	13.44	14	No
	802.11ax(HE80)	155	5775	13.31	14	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.49 5G WLAN-ANT9-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.23	13	No
		40	5200	12.50	13	No
		48	5240	12.39	13	No
	802.11n(HT20)	36	5180	12.11	13	No
		40	5200	12.50	13	No
		48	5240	12.25	13	No
	802.11n(HT40)	38	5190	12.59	13	No
		46	5230	12.70	13	No
	802.11ac(VHT20)	36	5180	12.33	13	No
		40	5200	12.59	13	No
		48	5240	12.40	13	No
	802.11ac(VHT40)	38	5190	12.11	13	No
		46	5230	12.53	13	No
	802.11ac(VHT80)	42	5210	11.26	12	No
	802.11ax(HE20)	36	5180	12.26	13	No
		40	5200	12.15	13	No
		48	5240	12.42	13	No
	802.11ax(HE40)	38	5190	12.48	13	No
46		5230	12.51	13	No	
802.11ax(HE80)	42	5210	11.50	12	No	
5.3 (5.25~5.35)	802.11a	52	5260	12.38	13	No
		60	5300	12.15	13	No
		64	5320	12.11	13	No
	802.11n(HT20)	52	5260	12.46	13	No
		60	5300	12.60	13	No
		64	5320	12.59	13	No
	802.11n(HT40)	54	5270	12.75	13	Yes
		62	5310	12.71	13	No
	802.11ac(VHT20)	52	5260	12.33	13	No
		60	5300	12.31	13	No
		64	5320	12.56	13	No
	802.11ac(VHT40)	54	5270	12.42	13	No
		62	5310	12.18	13	No
	802.11ac(VHT80)	58	5290	11.35	12	No

	802.11ax(HE20)	52	5260	12.46	13	No
		60	5300	12.18	13	No
		64	5320	12.56	13	No
	802.11ax(HE40)	54	5270	12.44	13	No
		62	5310	12.33	13	No
	802.11ax(HE80)	58	5290	11.48	12	No
5.6 (5.47~5.725)	802.11a	100	5500	12.46	13	No
		116	5580	12.12	13	No
		120	5600	12.47	13	No
		140	5700	11.94	12.1	No
	802.11n(HT20)	100	5500	12.12	13	No
		116	5580	12.44	13	No
		140	5700	11.18	12	No
	802.11n(HT40)	102	5510	10.54	11	No
		118	5590	12.26	13	No
		134	5670	12.26	13	No
	802.11ac(VHT20)	100	5500	12.10	13	No
		116	5580	12.31	13	No
		140	5700	11.53	12	No
	802.11ac(VHT40)	102	5510	10.19	11	No
		118	5590	12.30	13	No
		134	5670	12.35	13	No
	802.11ac(VHT80)	106	5530	8.61	9	No
		122	5610	12.66	13	Yes
	802.11ax(HE20)	100	5500	12.51	13	No
		116	5580	12.14	13	No
		140	5700	11.25	12	No
	802.11ax(HE40)	102	5510	10.47	11	No
		118	5590	12.44	13	No
		134	5670	12.20	13	No
802.11ax(HE80)	106	5530	8.33	9	No	
	122	5610	12.40	13	No	
5.8 (5.725~5.85)	802.11a	149	5745	12.10	13	No
		157	5785	12.36	13	No
		165	5825	12.19	13	No
	802.11n(HT20)	149	5745	12.28	13	No
		157	5785	12.25	13	No

		165	5825	12.45	13	No
	802.11n(HT40)	151	5755	12.36	13	No
		159	5795	12.23	13	No
	802.11ac(VHT20)	149	5745	12.34	13	No
		157	5785	12.34	13	No
		165	5825	12.47	13	No
	802.11ac(VHT40)	151	5755	12.10	13	No
		159	5795	12.24	13	No
	802.11ac(VHT80)	155	5775	12.38	13	Yes
	802.11ax(HE20)	149	5745	12.51	13	No
		157	5785	12.10	13	No
		165	5825	12.40	13	No
	802.11ax(HE40)	151	5755	12.13	13	No
		159	5795	12.12	13	No
	802.11ax(HE80)	155	5775	12.33	13	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.50 5G WLAN-ANT9-Level5

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	5.23	6	No
		40	5200	5.38	6	No
		48	5240	5.25	6	No
	802.11n(HT20)	36	5180	5.25	6	No
		40	5200	5.12	6	No
		48	5240	5.60	6	No
	802.11n(HT40)	38	5190	5.14	6	No
		46	5230	5.12	6	No
	802.11ac(VHT20)	36	5180	5.27	6	No
		40	5200	5.50	6	No
		48	5240	5.35	6	No
	802.11ac(VHT40)	38	5190	5.40	6	No
		46	5230	5.33	6	No
	802.11ac(VHT80)	42	5210	5.49	6	No
	802.11ax(HE20)	36	5180	5.58	6	No
		40	5200	5.60	6	No
		48	5240	5.28	6	No
	802.11ax(HE40)	38	5190	5.27	6	No
		46	5230	5.23	6	No
	802.11ax(HE80)	42	5210	5.28	6	No
	5.3 (5.25~5.35)	802.11a	52	5260	5.33	6
60			5300	5.46	6	No
64			5320	5.50	6	No
802.11n(HT20)		52	5260	5.55	6	No
		60	5300	5.27	6	No
		64	5320	5.11	6	No
802.11n(HT40)		54	5270	5.45	6	No
		62	5310	5.58	6	No
802.11ac(VHT20)		52	5260	5.12	6	No
		60	5300	5.46	6	No
		64	5320	5.60	6	No
802.11ac(VHT40)		54	5270	5.39	6	No
		62	5310	5.31	6	No
802.11ac(VHT80)		58	5290	5.82	6	Yes

	802.11ax(HE20)	52	5260	5.40	6	No
		60	5300	5.40	6	No
		64	5320	5.59	6	No
	802.11ax(HE40)	54	5270	5.42	6	No
		62	5310	5.47	6	No
	802.11ax(HE80)	58	5290	5.48	6	No
5.6 (5.47~5.725)	802.11a	100	5500	5.31	6	No
		116	5580	5.38	6	No
		120	5600	5.14	6	No
		140	5700	5.33	6	No
	802.11n(HT20)	100	5500	5.27	6	No
		116	5580	5.34	6	No
		140	5700	5.14	6	No
	802.11n(HT40)	102	5510	5.41	6	No
		118	5590	5.22	6	No
		134	5670	5.47	6	No
	802.11ac(VHT20)	100	5500	5.60	6	No
		116	5580	5.29	6	No
		140	5700	5.50	6	No
	802.11ac(VHT40)	102	5510	5.17	6	No
		118	5590	5.12	6	No
		134	5670	5.48	6	No
	802.11ac(VHT80)	106	5530	5.83	6	No
		122	5610	5.92	6	Yes
	802.11ax(HE20)	100	5500	5.34	6	No
		116	5580	5.54	6	No
		140	5700	5.51	6	No
	802.11ax(HE40)	102	5510	5.26	6	No
		118	5590	5.59	6	No
		134	5670	5.26	6	No
802.11ax(HE80)	106	5530	5.57	6	No	
	122	5610	5.21	6	No	
5.8 (5.725~5.85)	802.11a	149	5745	5.58	6	No
		157	5785	5.25	6	No
		165	5825	5.38	6	No
	802.11n(HT20)	149	5745	5.17	6	No
		157	5785	5.23	6	No

		165	5825	5.27	6	No
	802.11n(HT40)	151	5755	5.49	6	No
		159	5795	5.38	6	No
	802.11ac(VHT20)	149	5745	5.11	6	No
		157	5785	5.24	6	No
		165	5825	5.43	6	No
	802.11ac(VHT40)	151	5755	5.51	6	No
		159	5795	5.54	6	No
	802.11ac(VHT80)	155	5775	5.54	6	Yes
	802.11ax(HE20)	149	5745	5.48	6	No
		157	5785	5.18	6	No
		165	5825	5.18	6	No
	802.11ax(HE40)	151	5755	5.12	6	No
		159	5795	5.38	6	No
	802.11ax(HE80)	155	5775	5.44	6	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.51 5G WLAN-ANT9-Level6

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	10.42	11	No
		40	5200	10.40	11	No
		48	5240	10.42	11	No
	802.11n(HT20)	36	5180	10.36	11	No
		40	5200	10.54	11	No
		48	5240	10.18	11	No
	802.11n(HT40)	38	5190	10.16	11	No
		46	5230	10.29	11	No
	802.11ac(VHT20)	36	5180	10.20	11	No
		40	5200	10.29	11	No
		48	5240	10.24	11	No
	802.11ac(VHT40)	38	5190	10.43	11	No
		46	5230	10.32	11	No
	802.11ac(VHT80)	42	5210	10.52	11	No
	802.11ax(HE20)	36	5180	10.24	11	No
		40	5200	10.52	11	No
		48	5240	10.36	11	No
	802.11ax(HE40)	38	5190	10.39	11	No
		46	5230	10.37	11	No
	802.11ax(HE80)	42	5210	10.48	11	No
	5.3 (5.25~5.35)	802.11a	52	5260	10.17	11
60			5300	10.50	11	No
64			5320	10.30	11	No
802.11n(HT20)		52	5260	10.34	11	No
		60	5300	10.10	11	No
		64	5320	10.36	11	No
802.11n(HT40)		54	5270	10.49	11	No
		62	5310	10.43	11	No
802.11ac(VHT20)		52	5260	10.43	11	No
		60	5300	10.50	11	No
		64	5320	10.55	11	No
802.11ac(VHT40)		54	5270	10.24	11	No
		62	5310	10.46	11	No
802.11ac(VHT80)		58	5290	10.78	11	Yes

	802.11ax(HE20)	52	5260	10.35	11	No
		60	5300	10.31	11	No
		64	5320	10.17	11	No
	802.11ax(HE40)	54	5270	10.40	11	No
		62	5310	10.30	11	No
	802.11ax(HE80)	58	5290	10.51	11	No
5.6 (5.47~5.725)	802.11a	100	5500	10.10	11	No
		116	5580	10.45	11	No
		120	5600	10.22	11	No
		140	5700	10.13	11	No
	802.11n(HT20)	100	5500	10.16	11	No
		116	5580	10.17	11	No
		140	5700	10.26	11	No
	802.11n(HT40)	102	5510	10.54	11	No
		118	5590	10.31	11	No
		134	5670	10.60	11	No
	802.11ac(VHT20)	100	5500	10.22	11	No
		116	5580	10.54	11	No
		140	5700	10.53	11	No
	802.11ac(VHT40)	102	5510	10.19	11	No
		118	5590	10.47	11	No
		134	5670	10.22	11	No
	802.11ac(VHT80)	106	5530	8.61	9	Yes
		122	5610	10.65	11	Yes
	802.11ax(HE20)	100	5500	10.54	11	No
		116	5580	10.31	11	No
		140	5700	10.19	11	No
	802.11ax(HE40)	102	5510	10.10	11	No
		118	5590	10.17	11	No
		134	5670	10.56	11	No
802.11ax(HE80)	106	5530	8.33	9	No	
	122	5610	10.47	11	No	
5.8 (5.725~5.85)	802.11a	149	5745	10.46	11	No
		157	5785	10.30	11	No
		165	5825	10.34	11	No
	802.11n(HT20)	149	5745	10.46	11	No
		157	5785	10.25	11	No

		165	5825	10.24	11	No
	802.11n(HT40)	151	5755	10.25	11	No
		159	5795	10.23	11	No
	802.11ac(VHT20)	149	5745	10.33	11	No
		157	5785	10.43	11	No
		165	5825	10.36	11	No
	802.11ac(VHT40)	151	5755	10.46	11	No
		159	5795	10.17	11	No
	802.11ac(VHT80)	155	5775	10.50	11	Yes
	802.11ax(HE20)	149	5745	10.33	11	No
		157	5785	10.44	11	No
		165	5825	10.13	11	No
	802.11ax(HE40)	151	5755	10.16	11	No
		159	5795	10.19	11	No
	802.11ax(HE80)	155	5775	10.45	11	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.52 5G WLAN-ANT9-Level7&8&9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.49	16.1	No
		40	5200	15.59	16.1	No
		48	5240	15.74	16.1	Yes
	802.11n(HT20)	36	5180	15.43	16	No
		40	5200	15.60	16	No
		48	5240	15.36	16	No
	802.11n(HT40)	38	5190	13.60	14	No
		46	5230	13.36	14	No
	802.11ac(VHT20)	36	5180	15.39	16	No
		40	5200	15.57	16	No
		48	5240	15.56	16	No
	802.11ac(VHT40)	38	5190	13.10	14	No
		46	5230	13.10	14	No
	802.11ac(VHT80)	42	5210	11.26	12	No
	802.11ax(HE20)	36	5180	15.47	16	No
		40	5200	15.12	16	No
		48	5240	15.50	16	No
	802.11ax(HE40)	38	5190	13.34	14	No
46		5230	13.12	14	No	
802.11ax(HE80)	42	5210	11.44	12	No	
5.3 (5.25~5.35)	802.11a	52	5260	15.74	16.1	No
		60	5300	15.83	16.1	No
		64	5320	15.87	16.1	Yes
	802.11n(HT20)	52	5260	15.51	16	No
		60	5300	15.52	16	No
		64	5320	15.36	16	No
	802.11n(HT40)	54	5270	13.13	14	No
		62	5310	13.25	14	No
	802.11ac(VHT20)	52	5260	15.46	16	No
		60	5300	15.18	16	No
		64	5320	15.36	16	No
	802.11ac(VHT40)	54	5270	13.36	14	No
		62	5310	13.36	14	No
	802.11ac(VHT80)	58	5290	11.12	12	No

	802.11ax(HE20)	52	5260	15.56	16	No	
		60	5300	15.12	16	No	
		64	5320	15.58	16	No	
	802.11ax(HE40)	54	5270	13.33	14	No	
		62	5310	13.27	14	No	
	802.11ax(HE80)	58	5290	11.33	12	No	
5.6 (5.47~5.725)	802.11a	100	5500	14.59	15.1	No	
		116	5580	15.69	16.1	No	
		120	5600	15.73	16.1	Yes	
		140	5700	11.94	12.1	Yes	
	802.11n(HT20)	100	5500	14.44	15	No	
		116	5580	15.17	16	No	
		140	5700	11.57	12	No	
	802.11n(HT40)	102	5510	10.30	11	No	
		118	5590	15.40	16	No	
		134	5670	13.19	14	No	
	802.11ac(VHT20)	100	5500	14.27	15	No	
		116	5580	15.28	16	No	
		140	5700	11.22	12	No	
	802.11ac(VHT40)	102	5510	10.37	11	No	
		118	5590	15.14	16	No	
		134	5670	13.23	14	No	
	802.11ac(VHT80)	106	5530	8.61	9	No	
		122	5610	15.16	16	No	
	802.11ax(HE20)	100	5500	14.18	15	No	
		116	5580	15.55	16	No	
		140	5700	11.25	12	No	
	802.11ax(HE40)	102	5510	10.47	11	No	
		118	5590	15.20	16	No	
		134	5670	13.12	14	No	
	802.11ax(HE80)	106	5530	8.33	9	No	
		122	5610	15.51	16	No	
	5.8 (5.725~5.85)	802.11a	149	5745	17.44	18	No
			157	5785	17.29	18	No
			165	5825	17.54	18	No
		802.11n(HT20)	149	5745	17.48	18	No
157			5785	17.50	18	No	

		165	5825	17.37	18	No
	802.11n(HT40)	151	5755	17.23	18	No
		159	5795	17.20	18	No
	802.11ac(VHT20)	149	5745	17.40	18	No
		157	5785	17.34	18	No
		165	5825	17.56	18	No
	802.11ac(VHT40)	151	5755	17.17	18	No
		159	5795	17.54	18	No
	802.11ac(VHT80)	155	5775	17.36	18	Yes
	802.11ax(HE20)	149	5745	17.58	18	No
		157	5785	17.58	18	No
		165	5825	17.17	18	No
	802.11ax(HE40)	151	5755	17.12	18	No
		159	5795	17.15	18	No
	802.11ax(HE80)	155	5775	17.35	18	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.53 5G WLAN-ANT9-Level10

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.49	16.1	No
		40	5200	15.59	16.1	No
		48	5240	15.74	16.1	Yes
	802.11n(HT20)	36	5180	15.43	16	No
		40	5200	15.60	16	No
		48	5240	15.36	16	No
	802.11n(HT40)	38	5190	13.60	14	No
		46	5230	13.36	14	No
	802.11ac(VHT20)	36	5180	15.39	16	No
		40	5200	15.57	16	No
		48	5240	15.56	16	No
	802.11ac(VHT40)	38	5190	13.10	14	No
		46	5230	13.10	14	No
	802.11ac(VHT80)	42	5210	11.26	12	No
	802.11ax(HE20)	36	5180	15.47	16	No
		40	5200	15.12	16	No
		48	5240	15.50	16	No
	802.11ax(HE40)	38	5190	13.34	14	No
46		5230	13.12	14	No	
802.11ax(HE80)	42	5210	11.44	12	No	
5.3 (5.25~5.35)	802.11a	52	5260	15.74	16.1	No
		60	5300	15.83	16.1	No
		64	5320	15.87	16.1	Yes
	802.11n(HT20)	52	5260	15.51	16	No
		60	5300	15.52	16	No
		64	5320	15.36	16	No
	802.11n(HT40)	54	5270	13.13	14	No
		62	5310	13.25	14	No
	802.11ac(VHT20)	52	5260	15.46	16	No
		60	5300	15.18	16	No
		64	5320	15.36	16	No
	802.11ac(VHT40)	54	5270	13.36	14	No
		62	5310	13.36	14	No
	802.11ac(VHT80)	58	5290	11.12	12	No

	802.11ax(HE20)	52	5260	15.56	16	No	
		60	5300	15.12	16	No	
		64	5320	15.58	16	No	
	802.11ax(HE40)	54	5270	13.33	14	No	
		62	5310	13.27	14	No	
	802.11ax(HE80)	58	5290	11.33	12	No	
5.6 (5.47~5.725)	802.11a	100	5500	14.59	15.1	No	
		116	5580	15.69	16.1	No	
		120	5600	15.73	16.1	Yes	
		140	5700	11.94	12.1	No	
	802.11n(HT20)	100	5500	14.44	15	No	
		116	5580	15.17	16	No	
		140	5700	11.57	12	No	
	802.11n(HT40)	102	5510	10.30	11	No	
		118	5590	15.40	16	No	
		134	5670	13.19	14	No	
	802.11ac(VHT20)	100	5500	14.27	15	No	
		116	5580	15.28	16	No	
		140	5700	11.22	12	No	
	802.11ac(VHT40)	102	5510	10.37	11	No	
		118	5590	15.14	16	No	
		134	5670	13.23	14	No	
	802.11ac(VHT80)	106	5530	8.61	9	No	
		122	5610	15.16	16	No	
	802.11ax(HE20)	100	5500	14.18	15	No	
		116	5580	15.55	16	No	
		140	5700	11.25	12	No	
	802.11ax(HE40)	102	5510	10.47	11	No	
		118	5590	15.20	16	No	
		134	5670	13.12	14	No	
	802.11ax(HE80)	106	5530	8.33	9	No	
		122	5610	15.51	16	No	
	5.8 (5.725~5.85)	802.11a	149	5745	16.56	17	No
			157	5785	16.55	17	No
			165	5825	16.40	17	No
		802.11n(HT20)	149	5745	16.22	17	No
157			5785	16.42	17	No	

		165	5825	16.44	17	No
	802.11n(HT40)	151	5755	16.12	17	No
		159	5795	16.17	17	No
	802.11ac(VHT20)	149	5745	16.38	17	No
		157	5785	16.55	17	No
		165	5825	16.31	17	No
	802.11ac(VHT40)	151	5755	16.58	17	No
		159	5795	16.20	17	No
	802.11ac(VHT80)	155	5775	16.34	17	Yes
	802.11ax(HE20)	149	5745	16.49	17	No
		157	5785	16.41	17	No
		165	5825	16.53	17	No
	802.11ax(HE40)	151	5755	16.16	17	No
		159	5795	16.43	17	No
	802.11ax(HE80)	155	5775	16.37	17	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.54 5G WLAN-ANT9-Level11

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.31	14	No
		40	5200	13.56	14	No
		48	5240	13.27	14	No
	802.11n(HT20)	36	5180	13.54	14	No
		40	5200	13.33	14	No
		48	5240	13.42	14	No
	802.11n(HT40)	38	5190	13.58	14	No
		46	5230	13.72	14	Yes
	802.11ac(VHT20)	36	5180	13.12	14	No
		40	5200	13.31	14	No
		48	5240	13.21	14	No
	802.11ac(VHT40)	38	5190	13.10	14	No
		46	5230	13.10	14	No
	802.11ac(VHT80)	42	5210	11.26	12	No
	802.11ax(HE20)	36	5180	13.19	14	No
		40	5200	13.41	14	No
		48	5240	13.40	14	No
	802.11ax(HE40)	38	5190	13.34	14	No
		46	5230	13.12	14	No
	802.11ax(HE80)	42	5210	11.44	12	No
5.3 (5.25~5.35)	802.11a	52	5260	13.29	14	No
		60	5300	13.39	14	No
		64	5320	13.20	14	No
	802.11n(HT20)	52	5260	13.28	14	No
		60	5300	13.25	14	No
		64	5320	13.48	14	No
	802.11n(HT40)	54	5270	13.77	14	Yes
		62	5310	13.72	14	No
	802.11ac(VHT20)	52	5260	13.22	14	No
		60	5300	13.30	14	No
		64	5320	13.20	14	No
	802.11ac(VHT40)	54	5270	13.36	14	No
		62	5310	13.36	14	No
	802.11ac(VHT80)	58	5290	11.12	12	No

	802.11ax(HE20)	52	5260	13.18	14	No
		60	5300	13.58	14	No
		64	5320	13.10	14	No
	802.11ax(HE40)	54	5270	13.33	14	No
		62	5310	13.27	14	No
	802.11ax(HE80)	58	5290	11.33	12	No
5.6 (5.47~5.725)	802.11a	100	5500	13.30	14	No
		116	5580	13.30	14	No
		120	5600	13.54	14	No
		140	5700	11.94	12.1	No
	802.11n(HT20)	100	5500	13.49	14	No
		116	5580	13.52	14	No
		140	5700	11.57	12	No
	802.11n(HT40)	102	5510	10.30	11	No
		118	5590	13.54	14	No
		134	5670	13.21	14	No
	802.11ac(VHT20)	100	5500	13.25	14	No
		116	5580	13.37	14	No
		140	5700	11.22	12	No
	802.11ac(VHT40)	102	5510	10.37	11	No
		118	5590	13.28	14	No
		134	5670	13.53	14	No
	802.11ac(VHT80)	106	5530	8.61	9	No
		122	5610	13.67	14	Yes
	802.11ax(HE20)	100	5500	13.22	14	No
		116	5580	13.19	14	No
		140	5700	11.25	12	No
	802.11ax(HE40)	102	5510	10.47	11	No
		118	5590	13.49	14	No
		134	5670	13.41	14	No
802.11ax(HE80)	106	5530	8.33	9	No	
	122	5610	13.34	14	No	
5.8 (5.725~5.85)	802.11a	149	5745	13.21	14	No
		157	5785	13.15	14	No
		165	5825	13.26	14	No
	802.11n(HT20)	149	5745	13.28	14	No
		157	5785	13.49	14	No

		165	5825	13.40	14	No
	802.11n(HT40)	151	5755	13.14	14	No
		159	5795	13.58	14	No
	802.11ac(VHT20)	149	5745	13.20	14	No
		157	5785	13.36	14	No
		165	5825	13.17	14	No
	802.11ac(VHT40)	151	5755	13.39	14	No
		159	5795	13.59	14	No
	802.11ac(VHT80)	155	5775	13.40	14	Yes
	802.11ax(HE20)	149	5745	13.12	14	No
		157	5785	13.33	14	No
		165	5825	13.56	14	No
	802.11ax(HE40)	151	5755	13.59	14	No
		159	5795	13.44	14	No
	802.11ax(HE80)	155	5775	13.31	14	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.55 5G WLAN-ANT9-Level12

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.23	13	No
		40	5200	12.50	13	No
		48	5240	12.39	13	No
	802.11n(HT20)	36	5180	12.11	13	No
		40	5200	12.50	13	No
		48	5240	12.25	13	No
	802.11n(HT40)	38	5190	12.59	13	No
		46	5230	12.70	13	Yes
	802.11ac(VHT20)	36	5180	12.33	13	No
		40	5200	12.59	13	No
		48	5240	12.40	13	No
	802.11ac(VHT40)	38	5190	12.11	13	No
		46	5230	12.53	13	No
	802.11ac(VHT80)	42	5210	11.26	12	No
	802.11ax(HE20)	36	5180	12.26	13	No
		40	5200	12.15	13	No
		48	5240	12.42	13	No
	802.11ax(HE40)	38	5190	12.48	13	No
		46	5230	12.51	13	No
	802.11ax(HE80)	42	5210	11.50	12	No
	5.3 (5.25~5.35)	802.11a	52	5260	12.38	13
60			5300	12.15	13	No
64			5320	12.11	13	No
802.11n(HT20)		52	5260	12.46	13	No
		60	5300	12.60	13	No
		64	5320	12.59	13	No
802.11n(HT40)		54	5270	12.75	13	Yes
		62	5310	12.71	13	No
802.11ac(VHT20)		52	5260	12.33	13	No
		60	5300	12.31	13	No
		64	5320	12.56	13	No
802.11ac(VHT40)		54	5270	12.42	13	No
		62	5310	12.18	13	No
802.11ac(VHT80)		58	5290	11.35	12	No

	802.11ax(HE20)	52	5260	12.46	13	No
		60	5300	12.18	13	No
		64	5320	12.56	13	No
	802.11ax(HE40)	54	5270	12.44	13	No
		62	5310	12.33	13	No
	802.11ax(HE80)	58	5290	11.48	12	No
5.6 (5.47~5.725)	802.11a	100	5500	12.46	13	No
		116	5580	12.12	13	No
		120	5600	12.47	13	No
		140	5700	11.94	12.1	No
	802.11n(HT20)	100	5500	12.12	13	No
		116	5580	12.44	13	No
		140	5700	11.18	12	No
	802.11n(HT40)	102	5510	10.54	11	No
		118	5590	12.26	13	No
		134	5670	12.26	13	No
	802.11ac(VHT20)	100	5500	12.10	13	No
		116	5580	12.31	13	No
		140	5700	11.53	12	No
	802.11ac(VHT40)	102	5510	10.19	11	No
		118	5590	12.30	13	No
		134	5670	12.35	13	No
	802.11ac(VHT80)	106	5530	8.61	9	No
		122	5610	12.66	13	Yes
	802.11ax(HE20)	100	5500	12.51	13	No
		116	5580	12.14	13	No
		140	5700	11.25	12	No
	802.11ax(HE40)	102	5510	10.47	11	No
		118	5590	12.44	13	No
		134	5670	12.20	13	No
802.11ax(HE80)	106	5530	8.33	9	No	
	122	5610	12.40	13	No	
5.8 (5.725~5.85)	802.11a	149	5745	12.10	13	No
		157	5785	12.36	13	No
		165	5825	12.19	13	No
	802.11n(HT20)	149	5745	12.28	13	No
		157	5785	12.25	13	No

		165	5825	12.45	13	No
	802.11n(HT40)	151	5755	12.36	13	No
		159	5795	12.23	13	No
	802.11ac(VHT20)	149	5745	12.34	13	No
		157	5785	12.34	13	No
		165	5825	12.47	13	No
	802.11ac(VHT40)	151	5755	12.10	13	No
		159	5795	12.24	13	No
	802.11ac(VHT80)	155	5775	12.38	13	Yes
	802.11ax(HE20)	149	5745	12.51	13	No
		157	5785	12.10	13	No
		165	5825	12.40	13	No
	802.11ax(HE40)	151	5755	12.13	13	No
		159	5795	12.12	13	No
	802.11ax(HE80)	155	5775	12.33	13	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.56 5G WLAN-ANT2&9Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	18.67	19.1	No
		40	5200	18.73	19.1	No
		48	5240	18.73	19.1	No
	802.11n(HT20)	36	5180	18.35	19.0	No
		40	5200	18.35	19.0	No
		48	5240	18.43	19.0	No
	802.11n(HT40)	38	5190	16.33	17.0	No
		46	5230	16.46	17.0	No
	802.11ac(VHT20)	36	5180	18.36	19.0	No
		40	5200	18.42	19.0	No
		48	5240	18.48	19.0	No
	802.11ac(VHT40)	38	5190	16.26	17.0	No
		46	5230	16.41	17.0	No
	802.11ac(VHT80)	42	5210	14.50	15.0	No
	802.11ax(HE20)	36	5180	18.27	19.0	No
		40	5200	18.25	19.0	No
		48	5240	18.43	19.0	No
	802.11ax(HE40)	38	5190	16.43	17.0	No
46		5230	16.29	17.0	No	
802.11ax(HE80)	42	5210	14.35	15.0	No	
5.3 (5.25~5.35)	802.11a	52	5260	18.72	19.1	No
		60	5300	18.72	19.1	Yes
		64	5320	18.7	19.1	No
	802.11n(HT20)	52	5260	18.34	19.0	No
		60	5300	18.46	19.0	No
		64	5320	18.51	19.0	No
	802.11n(HT40)	54	5270	16.31	17.0	No
		62	5310	16.49	17.0	No
	802.11ac(VHT20)	52	5260	18.37	19.0	No
		60	5300	18.26	19.0	No
		64	5320	18.25	19.0	No
	802.11ac(VHT40)	54	5270	16.34	17.0	No
62		5310	16.39	17.0	No	
802.11ac(VHT80)	58	5290	14.52	15.0	No	

	802.11ax(HE20)	52	5260	18.37	19.0	No	
		60	5300	18.36	19.0	No	
		64	5320	18.37	19.0	No	
	802.11ax(HE40)	54	5270	16.45	17.0	No	
		62	5310	16.27	17.0	No	
	802.11ax(HE80)	58	5290	14.29	15.0	No	
5.6 (5.47~5.725)	802.11a	100	5500	17.67	18.1	No	
		116	5580	18.71	19.1	No	
		120	5600	18.74	19.1	Yes	
		140	5700	14.94	15.1	No	
	802.11n(HT20)	100	5500	17.43	18.0	No	
		116	5580	18.18	19.0	No	
		140	5700	14.28	15.0	No	
	802.11n(HT40)	102	5510	13.31	14.0	No	
		118	5590	18.26	19.0	No	
		134	5670	16.41	17.0	No	
	802.11ac(VHT20)	100	5500	17.34	18.0	No	
		116	5580	18.35	19.0	No	
		140	5700	14.25	15.0	No	
	802.11ac(VHT40)	102	5510	13.27	14.0	No	
		118	5590	18.23	19.0	No	
		134	5670	16.45	17.0	No	
	802.11ac(VHT80)	106	5530	11.67	12.0	No	
		122	5610	18.41	19.0	No	
	802.11ax(HE20)	100	5500	17.35	18.0	No	
		116	5580	18.45	19.0	No	
		140	5700	14.27	15.0	No	
	802.11ax(HE40)	102	5510	13.45	14.0	No	
		118	5590	18.27	19.0	No	
		134	5670	16.39	17.0	No	
	802.11ax(HE80)	106	5530	11.39	12.0	No	
		122	5610	18.39	19.0	No	
	5.8 (5.725~5.85)	802.11a	149	5745	21.59	22.1	No
			157	5785	21.62	22.1	No
165			5825	21.68	22.1	Yes	
802.11n(HT20)		149	5745	21.53	22.0	No	
		157	5785	21.32	22.0	No	

		165	5825	21.52	22.0	No
	802.11n(HT40)	151	5755	21.32	22.0	No
		159	5795	21.35	22.0	No
	802.11ac(VHT20)	149	5745	21.29	22.0	No
		157	5785	21.54	22.0	No
		165	5825	21.32	22.0	No
	802.11ac(VHT40)	151	5755	21.41	22.0	No
		159	5795	21.52	22.0	No
	802.11ac(VHT80)	155	5775	20.32	21.0	No
	802.11ax(HE20)	149	5745	21.47	22.0	No
		157	5785	21.18	22.0	No
		165	5825	21.56	22.0	No
	802.11ax(HE40)	151	5755	21.40	22.0	No
		159	5795	21.54	22.0	No
	802.11ax(HE80)	155	5775	20.25	21.0	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.57 5G WLAN-ANT2&9-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.08	17.5	No
		40	5200	17.07	17.5	No
		48	5240	17.12	17.5	Yes
	802.11n(HT20)	36	5180	16.95	17.5	No
		40	5200	16.81	17.5	No
		48	5240	17.09	17.5	No
	802.11n(HT40)	38	5190	16.46	17.0	No
		46	5230	16.58	17.0	No
	802.11ac(VHT20)	36	5180	16.91	17.5	No
		40	5200	16.91	17.5	No
		48	5240	16.99	17.5	No
	802.11ac(VHT40)	38	5190	16.26	17.0	No
		46	5230	16.41	17.0	No
	802.11ac(VHT80)	42	5210	14.52	15.0	No
	802.11ax(HE20)	36	5180	16.72	17.5	No
		40	5200	17.03	17.5	No
		48	5240	16.94	17.5	No
	802.11ax(HE40)	38	5190	16.43	17.0	No
46		5230	16.29	17.0	No	
802.11ax(HE80)	42	5210	14.35	15.0	No	
5.3 (5.25~5.35)	802.11a	52	5260	17.09	17.5	No
		60	5300	17.11	17.5	No
		64	5320	17.15	17.5	Yes
	802.11n(HT20)	52	5260	16.83	17.5	No
		60	5300	16.94	17.5	No
		64	5320	17.03	17.5	No
	802.11n(HT40)	54	5270	16.64	17.0	No
		62	5310	16.66	17.0	No
	802.11ac(VHT20)	52	5260	16.80	17.5	No
		60	5300	16.88	17.5	No
		64	5320	17.07	17.5	No
	802.11ac(VHT40)	54	5270	16.34	17.0	No
62		5310	16.39	17.0	No	
802.11ac(VHT80)	58	5290	14.52	15.0	No	

	802.11ax(HE20)	52	5260	16.89	17.5	No
		60	5300	16.81	17.5	No
		64	5320	16.73	17.5	No
	802.11ax(HE40)	54	5270	16.45	17.0	No
		62	5310	16.27	17.0	No
	802.11ax(HE80)	58	5290	14.29	15.0	No
5.6 (5.47~5.725)	802.11a	100	5500	16.88	17.5	No
		116	5580	16.90	17.5	No
		120	5600	16.88	17.5	No
		140	5700	14.94	15.1	No
	802.11n(HT20)	100	5500	16.83	17.5	No
		116	5580	16.81	17.5	No
		140	5700	14.28	15.0	No
	802.11n(HT40)	102	5510	13.31	14.0	No
		118	5590	16.41	17.5	No
		134	5670	16.41	17.0	No
	802.11ac(VHT20)	100	5500	16.92	17.5	No
		116	5580	17.09	17.5	No
		140	5700	14.25	15.0	No
	802.11ac(VHT40)	102	5510	13.27	14.0	No
		118	5590	16.96	17.5	No
		134	5670	16.36	17.0	No
	802.11ac(VHT80)	106	5530	11.67	12.0	Yes
		122	5610	17.14	17.5	Yes
	802.11ax(HE20)	100	5500	16.69	17.5	No
		116	5580	16.88	17.5	No
		140	5700	14.27	15.0	No
	802.11ax(HE40)	102	5510	13.45	14.0	No
		118	5590	16.85	17.5	No
		134	5670	16.39	17.0	No
	802.11ax(HE80)	106	5530	11.39	12.0	No
		122	5610	16.80	17.5	No
	5.8 (5.725~5.85)	802.11a	149	5745	16.84	17.5
157			5785	16.93	17.5	No
165			5825	16.91	17.5	No
802.11n(HT20)		149	5745	17.0	17.5	No
		157	5785	16.77	17.5	No

		165	5825	16.96	17.5	No
	802.11n(HT40)	151	5755	17.05	17.5	No
		159	5795	16.95	17.5	No
	802.11ac(VHT20)	149	5745	16.86	17.5	No
		157	5785	16.91	17.5	No
		165	5825	17.03	17.5	No
	802.11ac(VHT40)	151	5755	16.79	17.5	No
		159	5795	16.96	17.5	No
	802.11ac(VHT80)	155	5775	16.94	17.5	Yes
	802.11ax(HE20)	149	5745	16.86	17.5	No
		157	5785	17.03	17.5	No
		165	5825	16.91	17.5	No
	802.11ax(HE40)	151	5755	17.0	17.5	No
		159	5795	16.71	17.5	No
	802.11ax(HE80)	155	5775	16.97	17.5	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.58 5G WLAN-ANT2&9-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.26	13	No
		40	5200	12.40	13	No
		48	5240	12.40	13	No
	802.11n(HT20)	36	5180	12.59	13	No
		40	5200	12.28	13	No
		48	5240	12.28	13	No
	802.11n(HT40)	38	5190	12.17	13	No
		46	5230	12.29	13	No
	802.11ac(VHT20)	36	5180	12.29	13	No
		40	5200	12.33	13	No
		48	5240	12.25	13	No
	802.11ac(VHT40)	38	5190	12.29	13	No
		46	5230	12.37	13	No
	802.11ac(VHT80)	42	5210	12.50	13	No
	802.11ax(HE20)	36	5180	12.51	13	No
		40	5200	12.52	13	No
		48	5240	12.46	13	No
	802.11ax(HE40)	38	5190	12.28	13	No
46		5230	12.45	13	No	
802.11ax(HE80)	42	5210	12.33	13	No	
5.3 (5.25~5.35)	802.11a	52	5260	12.52	13	No
		60	5300	12.31	13	No
		64	5320	12.41	13	No
	802.11n(HT20)	52	5260	12.41	13	No
		60	5300	12.22	13	No
		64	5320	12.32	13	No
	802.11n(HT40)	54	5270	12.41	13	No
		62	5310	12.32	13	No
	802.11ac(VHT20)	52	5260	12.21	13	No
		60	5300	12.30	13	No
		64	5320	12.57	13	No
	802.11ac(VHT40)	54	5270	12.26	13	No
		62	5310	12.42	13	No
	802.11ac(VHT80)	58	5290	12.48	13	Yes

	802.11ax(HE20)	52	5260	12.52	13	No
		60	5300	12.46	13	No
		64	5320	12.25	13	No
	802.11ax(HE40)	54	5270	12.48	13	No
		62	5310	12.49	13	No
	802.11ax(HE80)	58	5290	12.21	13	No
5.6 (5.47~5.725)	802.11a	100	5500	12.53	13	No
		116	5580	12.43	13	No
		120	5600	12.49	13	No
		140	5700	12.25	13	No
	802.11n(HT20)	100	5500	12.37	13	No
		116	5580	12.43	13	No
		140	5700	12.17	13	No
	802.11n(HT40)	102	5510	12.41	13	No
		118	5590	12.21	13	No
		134	5670	12.49	13	No
	802.11ac(VHT20)	100	5500	12.49	13	No
		116	5580	12.31	13	No
		140	5700	12.30	13	No
	802.11ac(VHT40)	102	5510	12.49	13	No
		118	5590	12.44	13	No
		134	5670	12.51	13	No
	802.11ac(VHT80)	106	5530	11.69	12	No
		122	5610	12.87	13	Yes
	802.11ax(HE20)	100	5500	12.52	13	No
		116	5580	12.28	13	No
		140	5700	12.45	13	No
	802.11ax(HE40)	102	5510	12.34	13	No
		118	5590	12.35	13	No
		134	5670	12.39	13	No
802.11ax(HE80)	106	5530	11.39	12	No	
	122	5610	12.40	13	No	
5.8 (5.725~5.85)	802.11a	149	5745	12.43	13	No
		157	5785	12.24	13	No
		165	5825	12.52	13	No
	802.11n(HT20)	149	5745	12.19	13	No
		157	5785	12.25	13	No

		165	5825	12.35	13	No
	802.11n(HT40)	151	5755	12.27	13	No
		159	5795	12.36	13	No
	802.11ac(VHT20)	149	5745	12.24	13	No
		157	5785	12.38	13	No
		165	5825	12.43	13	No
	802.11ac(VHT40)	151	5755	12.54	13	No
		159	5795	12.50	13	No
	802.11ac(VHT80)	155	5775	12.72	13	Yes
	802.11ax(HE20)	149	5745	12.26	13	No
		157	5785	12.51	13	No
		165	5825	12.45	13	No
	802.11ax(HE40)	151	5755	12.34	13	No
		159	5795	12.52	13	No
	802.11ax(HE80)	155	5775	12.37	13	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.59 5G WLAN-ANT2&9-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	16.15	17	No
		40	5200	16.41	17	No
		48	5240	16.37	17	No
	802.11n(HT20)	36	5180	16.5	17	No
		40	5200	16.55	17	No
		48	5240	16.57	17	No
	802.11n(HT40)	38	5190	16.46	17	No
		46	5230	16.58	17	No
	802.11ac(VHT20)	36	5180	16.49	17	No
		40	5200	16.53	17	No
		48	5240	16.41	17	No
	802.11ac(VHT40)	38	5190	16.26	17	No
		46	5230	16.54	17	No
	802.11ac(VHT80)	42	5210	14.52	15	No
	802.11ax(HE20)	36	5180	16.15	17	No
		40	5200	16.19	17	No
		48	5240	16.14	17	No
	802.11ax(HE40)	38	5190	16.27	17	No
46		5230	16.46	17	No	
802.11ax(HE80)	42	5210	14.35	15	No	
5.3 (5.25~5.35)	802.11a	52	5260	16.33	17	No
		60	5300	16.16	17	No
		64	5320	16.27	17	No
	802.11n(HT20)	52	5260	16.37	17	No
		60	5300	16.34	17	No
		64	5320	16.52	17	No
	802.11n(HT40)	54	5270	16.64	17	No
		62	5310	16.66	17	Yes
	802.11ac(VHT20)	52	5260	16.22	17	No
		60	5300	16.12	17	No
		64	5320	16.24	17	No
	802.11ac(VHT40)	54	5270	16.40	17	No
		62	5310	16.36	17	No
	802.11ac(VHT80)	58	5290	14.52	15	No

	802.11ax(HE20)	52	5260	16.38	17	No
		60	5300	16.23	17	No
		64	5320	16.24	17	No
	802.11ax(HE40)	54	5270	16.17	17	No
		62	5310	16.51	17	No
	802.11ax(HE80)	58	5290	14.29	15	No
5.6 (5.47~5.725)	802.11a	100	5500	16.34	17	No
		116	5580	16.38	17	No
		120	5600	16.30	17	No
		140	5700	14.94	15.1	No
	802.11n(HT20)	100	5500	16.44	17	No
		116	5580	16.51	17	No
		140	5700	14.28	15	No
	802.11n(HT40)	102	5510	13.31	14	No
		118	5590	16.22	17	No
		134	5670	16.30	17	No
	802.11ac(VHT20)	100	5500	16.34	17	No
		116	5580	16.39	17	No
		140	5700	14.25	15	No
	802.11ac(VHT40)	102	5510	13.27	14	No
		118	5590	16.45	17	No
		134	5670	16.32	17	No
	802.11ac(VHT80)	106	5530	11.67	12	Yes
		122	5610	16.61	17	Yes
	802.11ax(HE20)	100	5500	16.15	17	No
		116	5580	16.31	17	No
		140	5700	14.27	15	No
	802.11ax(HE40)	102	5510	13.45	14	No
		118	5590	16.41	17	No
		134	5670	16.28	17	No
802.11ax(HE80)	106	5530	11.39	12	No	
	122	5610	16.39	17	No	
5.8 (5.725~5.85)	802.11a	149	5745	16.29	17	No
		157	5785	16.40	17	No
		165	5825	16.31	17	No
	802.11n(HT20)	149	5745	16.40	17	No
		157	5785	16.33	17	No

		165	5825	16.35	17	No
	802.11n(HT40)	151	5755	16.55	17	No
		159	5795	16.22	17	No
	802.11ac(VHT20)	149	5745	16.42	17	No
		157	5785	16.56	17	No
		165	5825	16.32	17	No
	802.11ac(VHT40)	151	5755	16.45	17	No
		159	5795	16.14	17	No
	802.11ac(VHT80)	155	5775	16.47	17	Yes
	802.11ax(HE20)	149	5745	16.32	17	No
		157	5785	16.27	17	No
		165	5825	16.38	17	No
	802.11ax(HE40)	151	5755	16.38	17	No
		159	5795	16.36	17	No
	802.11ax(HE80)	155	5775	16.32	17	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.60 5G WLAN-ANT2&9-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.30	16	No
		40	5200	15.21	16	No
		48	5240	15.4	16	No
	802.11n(HT20)	36	5180	15.22	16	No
		40	5200	15.48	16	No
		48	5240	15.30	16	No
	802.11n(HT40)	38	5190	15.52	16	No
		46	5230	15.58	16	Yes
	802.11ac(VHT20)	36	5180	15.46	16	No
		40	5200	15.42	16	No
		48	5240	15.35	16	No
	802.11ac(VHT40)	38	5190	15.38	16	No
		46	5230	15.39	16	No
	802.11ac(VHT80)	42	5210	14.52	15	No
	802.11ax(HE20)	36	5180	15.13	16	No
		40	5200	15.14	16	No
		48	5240	15.54	16	No
	802.11ax(HE40)	38	5190	15.55	16	No
		46	5230	15.33	16	No
	802.11ax(HE80)	42	5210	14.35	15	No
	5.3 (5.25~5.35)	802.11a	52	5260	15.27	16
60			5300	15.33	16	No
64			5320	15.30	16	No
802.11n(HT20)		52	5260	15.42	16	No
		60	5300	15.36	16	No
		64	5320	15.48	16	No
802.11n(HT40)		54	5270	15.57	16	No
		62	5310	15.62	16	Yes
802.11ac(VHT20)		52	5260	15.36	16	No
		60	5300	15.25	16	No
		64	5320	15.46	16	No
802.11ac(VHT40)		54	5270	15.45	16	No
		62	5310	15.25	16	No
802.11ac(VHT80)		58	5290	14.52	15	No

	802.11ax(HE20)	52	5260	15.45	16	No
		60	5300	15.39	16	No
		64	5320	15.27	16	No
	802.11ax(HE40)	54	5270	15.50	16	No
		62	5310	15.33	16	No
	802.11ax(HE80)	58	5290	14.29	15	No
5.6 (5.47~5.725)	802.11a	100	5500	15.38	16	No
		116	5580	15.49	16	No
		120	5600	15.19	16	No
		140	5700	14.94	15.1	No
	802.11n(HT20)	100	5500	15.33	16	No
		116	5580	15.24	16	No
		140	5700	14.28	15	No
	802.11n(HT40)	102	5510	13.31	14	No
		118	5590	15.46	16	No
		134	5670	15.53	16	No
	802.11ac(VHT20)	100	5500	15.40	16	No
		116	5580	15.39	16	No
		140	5700	14.32	15	No
	802.11ac(VHT40)	102	5510	13.27	14	No
		118	5590	15.29	16	No
		134	5670	15.45	16	No
	802.11ac(VHT80)	106	5530	11.67	12	Yes
		122	5610	15.57	16	Yes
	802.11ax(HE20)	100	5500	15.59	16	No
		116	5580	15.41	16	No
		140	5700	14.27	15	No
	802.11ax(HE40)	102	5510	13.45	14	No
		118	5590	15.51	16	No
		134	5670	15.15	16	No
802.11ax(HE80)	106	5530	11.39	12	No	
	122	5610	15.32	16	No	
5.8 (5.725~5.85)	802.11a	149	5745	15.22	16	No
		157	5785	15.31	16	No
		165	5825	15.48	16	No
	802.11n(HT20)	149	5745	15.25	16	No
		157	5785	15.26	16	No

		165	5825	15.47	16	No
	802.11n(HT40)	151	5755	15.49	16	No
		159	5795	15.25	16	No
	802.11ac(VHT20)	149	5745	15.59	16	No
		157	5785	15.22	16	No
		165	5825	15.43	16	No
	802.11ac(VHT40)	151	5755	15.17	16	No
		159	5795	15.38	16	No
	802.11ac(VHT80)	155	5775	15.41	16	Yes
	802.11ax(HE20)	149	5745	15.50	16	No
		157	5785	15.41	16	No
		165	5825	15.32	16	No
	802.11ax(HE40)	151	5755	15.44	16	No
		159	5795	15.49	16	No
	802.11ax(HE80)	155	5775	15.40	16	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.61 5G WLAN-ANT2&9-Level5

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	8.24	9	No
		40	5200	8.50	9	No
		48	5240	8.34	9	No
	802.11n(HT20)	36	5180	8.54	9	No
		40	5200	8.44	9	No
		48	5240	8.42	9	No
	802.11n(HT40)	38	5190	8.51	9	No
		46	5230	8.42	9	No
	802.11ac(VHT20)	36	5180	8.39	9	No
		40	5200	8.20	9	No
		48	5240	8.37	9	No
	802.11ac(VHT40)	38	5190	8.23	9	No
		46	5230	8.37	9	No
	802.11ac(VHT80)	42	5210	8.47	9	Yes
	802.11ax(HE20)	36	5180	8.25	9	No
		40	5200	8.41	9	No
		48	5240	8.29	9	No
	802.11ax(HE40)	38	5190	8.30	9	No
46		5230	8.12	9	No	
802.11ax(HE80)	42	5210	8.28	9	No	
5.3 (5.25~5.35)	802.11a	52	5260	8.27	9	No
		60	5300	8.34	9	No
		64	5320	8.44	9	No
	802.11n(HT20)	52	5260	8.28	9	No
		60	5300	8.47	9	No
		64	5320	8.24	9	No
	802.11n(HT40)	54	5270	8.33	9	No
		62	5310	8.21	9	No
	802.11ac(VHT20)	52	5260	8.21	9	No
		60	5300	8.26	9	No
		64	5320	8.29	9	No
	802.11ac(VHT40)	54	5270	8.54	9	No
		62	5310	8.13	9	No
	802.11ac(VHT80)	58	5290	8.46	9	Yes

	802.11ax(HE20)	52	5260	8.32	9	No
		60	5300	8.48	9	No
		64	5320	8.37	9	No
	802.11ax(HE40)	54	5270	8.29	9	No
		62	5310	8.30	9	No
	802.11ax(HE80)	58	5290	8.35	9	No
5.6 (5.47~5.725)	802.11a	100	5500	8.36	9	No
		116	5580	8.43	9	No
		120	5600	8.48	9	No
		140	5700	8.52	9	No
	802.11n(HT20)	100	5500	8.51	9	No
		116	5580	8.24	9	No
		140	5700	8.32	9	No
	802.11n(HT40)	102	5510	8.20	9	No
		118	5590	8.21	9	No
		134	5670	8.33	9	No
	802.11ac(VHT20)	100	5500	8.39	9	No
		116	5580	8.36	9	No
		140	5700	8.50	9	No
	802.11ac(VHT40)	102	5510	8.29	9	No
		118	5590	8.31	9	No
		134	5670	8.31	9	No
	802.11ac(VHT80)	106	5530	8.79	9	Yes
		122	5610	8.78	9	No
	802.11ax(HE20)	100	5500	8.19	9	No
		116	5580	8.30	9	No
		140	5700	8.44	9	No
	802.11ax(HE40)	102	5510	8.21	9	No
		118	5590	8.3	9	No
		134	5670	8.38	9	No
802.11ax(HE80)	106	5530	8.42	9	No	
	122	5610	8.28	9	No	
5.8 (5.725~5.85)	802.11a	149	5745	8.29	9	No
		157	5785	8.34	9	No
		165	5825	8.37	9	No
	802.11n(HT20)	149	5745	8.59	9	No
		157	5785	8.43	9	No

		165	5825	8.30	9	No
	802.11n(HT40)	151	5755	8.39	9	No
		159	5795	8.33	9	No
	802.11ac(VHT20)	149	5745	8.58	9	No
		157	5785	8.14	9	No
		165	5825	8.30	9	No
	802.11ac(VHT40)	151	5755	8.38	9	No
		159	5795	8.41	9	No
	802.11ac(VHT80)	155	5775	8.59	9	Yes
	802.11ax(HE20)	149	5745	8.31	9	No
		157	5785	8.39	9	No
		165	5825	8.38	9	No
	802.11ax(HE40)	151	5755	8.50	9	No
		159	5795	8.26	9	No
	802.11ax(HE80)	155	5775	8.40	9	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.62 5G WLAN-ANT2&9-Level6

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.35	14	No
		40	5200	13.38	14	No
		48	5240	13.6	14	No
	802.11n(HT20)	36	5180	13.38	14	No
		40	5200	13.39	14	No
		48	5240	13.22	14	No
	802.11n(HT40)	38	5190	13.23	14	No
		46	5230	13.45	14	No
	802.11ac(VHT20)	36	5180	13.25	14	No
		40	5200	13.32	14	No
		48	5240	13.37	14	No
	802.11ac(VHT40)	38	5190	13.45	14	No
		46	5230	13.16	14	No
	802.11ac(VHT80)	42	5210	13.58	14	No
	802.11ax(HE20)	36	5180	13.18	14	No
		40	5200	13.36	14	No
		48	5240	13.29	14	No
	802.11ax(HE40)	38	5190	13.51	14	No
46		5230	13.30	14	No	
802.11ax(HE80)	42	5210	13.36	14	No	
5.3 (5.25~5.35)	802.11a	52	5260	13.44	14	No
		60	5300	13.25	14	No
		64	5320	13.42	14	No
	802.11n(HT20)	52	5260	13.41	14	No
		60	5300	13.45	14	No
		64	5320	13.27	14	No
	802.11n(HT40)	54	5270	13.29	14	No
		62	5310	13.46	14	No
	802.11ac(VHT20)	52	5260	13.41	14	No
		60	5300	13.40	14	No
		64	5320	13.45	14	No
	802.11ac(VHT40)	54	5270	13.35	14	No
		62	5310	13.46	14	No
	802.11ac(VHT80)	58	5290	13.76	14	Yes

	802.11ax(HE20)	52	5260	13.56	14	No
		60	5300	13.38	14	No
		64	5320	13.45	14	No
	802.11ax(HE40)	54	5270	13.30	14	No
		62	5310	13.60	14	No
	802.11ax(HE80)	58	5290	13.24	14	No
5.6 (5.47~5.725)	802.11a	100	5500	13.43	14	No
		116	5580	13.29	14	No
		120	5600	13.25	14	No
		140	5700	13.22	14	No
	802.11n(HT20)	100	5500	13.44	14	No
		116	5580	13.24	14	No
		140	5700	13.50	14	No
	802.11n(HT40)	102	5510	13.23	14	No
		118	5590	13.36	14	No
		134	5670	13.56	14	No
	802.11ac(VHT20)	100	5500	13.37	14	No
		116	5580	13.20	14	No
		140	5700	13.35	14	No
	802.11ac(VHT40)	102	5510	13.25	14	No
		118	5590	13.53	14	No
		134	5670	13.25	14	No
	802.11ac(VHT80)	106	5530	11.67	12	No
		122	5610	13.68	14	Yes
	802.11ax(HE20)	100	5500	13.47	14	No
		116	5580	13.46	14	No
		140	5700	13.53	14	No
	802.11ax(HE40)	102	5510	13.59	14	No
		118	5590	13.24	14	No
		134	5670	13.31	14	No
802.11ax(HE80)	106	5530	11.46	12	No	
	122	5610	13.47	14	No	
5.8 (5.725~5.85)	802.11a	149	5745	13.51	14	No
		157	5785	13.20	14	No
		165	5825	13.25	14	No
	802.11n(HT20)	149	5745	13.37	14	No
		157	5785	13.36	14	No

		165	5825	13.51	14	No
	802.11n(HT40)	151	5755	13.41	14	No
		159	5795	13.49	14	No
	802.11ac(VHT20)	149	5745	13.45	14	No
		157	5785	13.52	14	No
		165	5825	13.25	14	No
	802.11ac(VHT40)	151	5755	13.39	14	No
		159	5795	13.44	14	No
	802.11ac(VHT80)	155	5775	13.43	14	Yes
	802.11ax(HE20)	149	5745	13.38	14	No
		157	5785	13.41	14	No
		165	5825	13.33	14	No
	802.11ax(HE40)	151	5755	13.27	14	No
		159	5795	13.30	14	No
	802.11ax(HE80)	155	5775	13.44	14	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.63 5G WLAN-ANT2&9-Level7&8&9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	18.67	19.1	No
		40	5200	18.73	19.1	Yes
		48	5240	18.73	19.1	No
	802.11n(HT20)	36	5180	18.35	19	No
		40	5200	18.35	19	No
		48	5240	18.43	19	No
	802.11n(HT40)	38	5190	16.33	17	No
		46	5230	16.46	17	No
	802.11ac(VHT20)	36	5180	18.36	19	No
		40	5200	18.42	19	No
		48	5240	18.48	19	No
	802.11ac(VHT40)	38	5190	16.26	17	No
		46	5230	16.41	17	No
	802.11ac(VHT80)	42	5210	14.50	15	No
	802.11ax(HE20)	36	5180	18.27	19	No
		40	5200	18.25	19	No
		48	5240	18.43	19	No
	802.11ax(HE40)	38	5190	16.43	17	No
46		5230	16.29	17	No	
802.11ax(HE80)	42	5210	14.35	15	No	
5.3 (5.25~5.35)	802.11a	52	5260	18.72	19.1	No
		60	5300	18.72	19.1	Yes
		64	5320	18.70	19.1	No
	802.11n(HT20)	52	5260	18.34	19	No
		60	5300	18.46	19	No
		64	5320	18.51	19	No
	802.11n(HT40)	54	5270	16.31	17	No
		62	5310	16.49	17	No
	802.11ac(VHT20)	52	5260	18.37	19	No
		60	5300	18.26	19	No
		64	5320	18.25	19	No
	802.11ac(VHT40)	54	5270	16.34	17	No
		62	5310	16.39	17	No
	802.11ac(VHT80)	58	5290	14.52	15	No

	802.11ax(HE20)	52	5260	18.37	19	No	
		60	5300	18.36	19	No	
		64	5320	18.37	19	No	
	802.11ax(HE40)	54	5270	16.45	17	No	
		62	5310	16.27	17	No	
	802.11ax(HE80)	58	5290	14.29	15	No	
5.6 (5.47~5.725)	802.11a	100	5500	17.67	18.1	No	
		116	5580	18.71	19.1	No	
		120	5600	18.74	19.1	Yes	
		140	5700	14.94	15.1	No	
	802.11n(HT20)	100	5500	17.43	18	No	
		116	5580	18.18	19	No	
		140	5700	14.28	15	No	
	802.11n(HT40)	102	5510	13.31	14	No	
		118	5590	18.26	19	No	
		134	5670	16.41	17	No	
	802.11ac(VHT20)	100	5500	17.34	18	No	
		116	5580	18.35	19	No	
		140	5700	14.25	15	No	
	802.11ac(VHT40)	102	5510	13.27	14	No	
		118	5590	18.23	19	No	
		134	5670	16.45	17	No	
	802.11ac(VHT80)	106	5530	11.67	12	No	
		122	5610	18.41	19	No	
	802.11ax(HE20)	100	5500	17.35	18	No	
		116	5580	18.45	19	No	
		140	5700	14.27	15	No	
	802.11ax(HE40)	102	5510	13.45	14	No	
		118	5590	18.27	19	No	
		134	5670	16.39	17	No	
	802.11ax(HE80)	106	5530	11.39	12	No	
		122	5610	18.39	19	No	
	5.8 (5.725~5.85)	802.11a	149	5745	20.33	21	No
			157	5785	20.52	21	No
			165	5825	20.21	21	No
		802.11n(HT20)	149	5745	20.28	21	No
157			5785	20.32	21	No	

		165	5825	20.29	21	No
	802.11n(HT40)	151	5755	20.39	21	No
		159	5795	20.35	21	No
	802.11ac(VHT20)	149	5745	20.41	21	No
		157	5785	20.43	21	No
		165	5825	20.42	21	No
	802.11ac(VHT40)	151	5755	20.28	21	No
		159	5795	20.26	21	No
	802.11ac(VHT80)	155	5775	20.32	21	Yes
	802.11ax(HE20)	149	5745	20.52	21	No
		157	5785	20.31	21	No
		165	5825	20.39	21	No
	802.11ax(HE40)	151	5755	20.48	21	No
		159	5795	20.17	21	No
	802.11ax(HE80)	155	5775	20.25	21	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.64 5G WLAN-ANT2&9-Level10

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	18.67	19.1	No
		40	5200	18.73	19.1	Yes
		48	5240	18.73	19.1	No
	802.11n(HT20)	36	5180	18.35	19	No
		40	5200	18.35	19	No
		48	5240	18.43	19	No
	802.11n(HT40)	38	5190	16.33	17	No
		46	5230	16.46	17	No
	802.11ac(VHT20)	36	5180	18.36	19	No
		40	5200	18.42	19	No
		48	5240	18.48	19	No
	802.11ac(VHT40)	38	5190	16.26	17	No
		46	5230	16.41	17	No
	802.11ac(VHT80)	42	5210	14.50	15	No
	802.11ax(HE20)	36	5180	18.27	19	No
		40	5200	18.25	19	No
		48	5240	18.43	19	No
	802.11ax(HE40)	38	5190	16.43	17	No
46		5230	16.29	17	No	
802.11ax(HE80)	42	5210	14.35	15	No	
5.3 (5.25~5.35)	802.11a	52	5260	18.72	19.1	No
		60	5300	18.72	19.1	Yes
		64	5320	18.70	19.1	No
	802.11n(HT20)	52	5260	18.34	19	No
		60	5300	18.46	19	No
		64	5320	18.51	19	No
	802.11n(HT40)	54	5270	16.31	17	No
		62	5310	16.49	17	No
	802.11ac(VHT20)	52	5260	18.37	19	No
		60	5300	18.26	19	No
		64	5320	18.25	19	No
	802.11ac(VHT40)	54	5270	16.34	17	No
		62	5310	16.39	17	No
	802.11ac(VHT80)	58	5290	14.52	15	No

	802.11ax(HE20)	52	5260	18.37	19	No
		60	5300	18.36	19	No
		64	5320	18.37	19	No
	802.11ax(HE40)	54	5270	16.45	17	No
		62	5310	16.27	17	No
	802.11ax(HE80)	58	5290	14.29	15	No
5.6 (5.47~5.725)	802.11a	100	5500	17.67	18.1	No
		116	5580	18.71	19.1	No
		120	5600	18.74	19.1	Yes
		140	5700	14.94	15.1	No
	802.11n(HT20)	100	5500	17.43	18	No
		116	5580	18.18	19	No
		140	5700	14.28	15	No
	802.11n(HT40)	102	5510	13.31	14	No
		118	5590	18.26	19	No
		134	5670	16.41	17	No
	802.11ac(VHT20)	100	5500	17.34	18	No
		116	5580	18.35	19	No
		140	5700	14.25	15	No
	802.11ac(VHT40)	102	5510	13.27	14	No
		118	5590	18.23	19	No
		134	5670	16.45	17	No
	802.11ac(VHT80)	106	5530	11.67	12	No
		122	5610	18.41	19	No
	802.11ax(HE20)	100	5500	17.35	18	No
		116	5580	18.45	19	No
		140	5700	14.27	15	No
	802.11ax(HE40)	102	5510	13.45	14	No
		118	5590	18.27	19	No
		134	5670	16.39	17	No
	802.11ax(HE80)	106	5530	11.39	12	No
		122	5610	18.39	19	No
	5.8 (5.725~5.85)	802.11a	149	5745	19.28	20
157			5785	19.3	20	No
165			5825	19.31	20	No
802.11n(HT20)		149	5745	19.47	20	No
		157	5785	19.38	20	No

		165	5825	19.34	20	No
	802.11n(HT40)	151	5755	19.11	20	No
		159	5795	19.34	20	No
	802.11ac(VHT20)	149	5745	19.33	20	No
		157	5785	19.48	20	No
		165	5825	19.15	20	No
	802.11ac(VHT40)	151	5755	19.41	20	No
		159	5795	19.33	20	No
	802.11ac(VHT80)	155	5775	19.36	20	Yes
	802.11ax(HE20)	149	5745	19.42	20	No
		157	5785	19.26	20	No
		165	5825	19.19	20	No
	802.11ax(HE40)	151	5755	19.34	20	No
		159	5795	19.39	20	No
	802.11ax(HE80)	155	5775	19.27	20	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.65 5G WLAN-ANT2&9-Level11

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	16.15	17	No
		40	5200	16.41	17	No
		48	5240	16.37	17	No
	802.11n(HT20)	36	5180	16.5	17	No
		40	5200	16.55	17	No
		48	5240	16.57	17	No
	802.11n(HT40)	38	5190	16.46	17	No
		46	5230	16.58	17	Yes
	802.11ac(VHT20)	36	5180	16.49	17	No
		40	5200	16.53	17	No
		48	5240	16.41	17	No
	802.11ac(VHT40)	38	5190	16.26	17	No
		46	5230	16.54	17	No
	802.11ac(VHT80)	42	5210	14.52	15	No
	802.11ax(HE20)	36	5180	16.15	17	No
		40	5200	16.19	17	No
		48	5240	16.14	17	No
	802.11ax(HE40)	38	5190	16.27	17	No
		46	5230	16.46	17	No
	802.11ax(HE80)	42	5210	14.35	15	No
	5.3 (5.25~5.35)	802.11a	52	5260	16.33	17
60			5300	16.16	17	No
64			5320	16.27	17	No
802.11n(HT20)		52	5260	16.37	17	No
		60	5300	16.34	17	No
		64	5320	16.52	17	No
802.11n(HT40)		54	5270	16.64	17	No
		62	5310	16.66	17	Yes
802.11ac(VHT20)		52	5260	16.22	17	No
		60	5300	16.12	17	No
		64	5320	16.24	17	No
802.11ac(VHT40)		54	5270	16.40	17	No
		62	5310	16.36	17	No
802.11ac(VHT80)		58	5290	14.52	15	No

	802.11ax(HE20)	52	5260	16.38	17	No
		60	5300	16.23	17	No
		64	5320	16.24	17	No
	802.11ax(HE40)	54	5270	16.17	17	No
		62	5310	16.51	17	No
	802.11ax(HE80)	58	5290	14.29	15	No
5.6 (5.47~5.725)	802.11a	100	5500	16.34	17	No
		116	5580	16.38	17	No
		120	5600	16.30	17	No
		140	5700	14.94	15.1	No
	802.11n(HT20)	100	5500	16.44	17	No
		116	5580	16.51	17	No
		140	5700	14.28	15	No
	802.11n(HT40)	102	5510	13.31	14	No
		118	5590	16.22	17	No
		134	5670	16.30	17	No
	802.11ac(VHT20)	100	5500	16.34	17	No
		116	5580	16.39	17	No
		140	5700	14.25	15	No
	802.11ac(VHT40)	102	5510	13.27	14	No
		118	5590	16.45	17	No
		134	5670	16.32	17	No
	802.11ac(VHT80)	106	5530	11.67	12	No
		122	5610	16.61	17	Yes
	802.11ax(HE20)	100	5500	16.15	17	No
		116	5580	16.31	17	No
		140	5700	14.27	15	No
	802.11ax(HE40)	102	5510	13.45	14	No
		118	5590	16.41	17	No
		134	5670	16.28	17	No
802.11ax(HE80)	106	5530	11.39	12	No	
	122	5610	16.39	17	No	
5.8 (5.725~5.85)	802.11a	149	5745	16.29	17	No
		157	5785	16.40	17	No
		165	5825	16.31	17	No
	802.11n(HT20)	149	5745	16.4	17	No
		157	5785	16.33	17	No

		165	5825	16.35	17	No
	802.11n(HT40)	151	5755	16.55	17	No
		159	5795	16.22	17	No
	802.11ac(VHT20)	149	5745	16.42	17	No
		157	5785	16.56	17	No
		165	5825	16.32	17	No
	802.11ac(VHT40)	151	5755	16.45	17	No
		159	5795	16.14	17	No
	802.11ac(VHT80)	155	5775	16.47	17	Yes
	802.11ax(HE20)	149	5745	16.32	17	No
		157	5785	16.27	17	No
		165	5825	16.38	17	No
	802.11ax(HE40)	151	5755	16.38	17	No
		159	5795	16.36	17	No
	802.11ax(HE80)	155	5775	16.32	17	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.8.66 5G WLAN-ANT2&9-Level12

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Power Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.30	16	No
		40	5200	15.21	16	No
		48	5240	15.4	16	No
	802.11n(HT20)	36	5180	15.22	16	No
		40	5200	15.48	16	No
		48	5240	15.30	16	No
	802.11n(HT40)	38	5190	15.52	16	No
		46	5230	15.58	16	Yes
	802.11ac(VHT20)	36	5180	15.46	16	No
		40	5200	15.42	16	No
		48	5240	15.35	16	No
	802.11ac(VHT40)	38	5190	15.38	16	No
		46	5230	15.39	16	No
	802.11ac(VHT80)	42	5210	14.52	15	No
	802.11ax(HE20)	36	5180	15.13	16	No
		40	5200	15.14	16	No
		48	5240	15.54	16	No
	802.11ax(HE40)	38	5190	15.55	16	No
		46	5230	15.33	16	No
	802.11ax(HE80)	42	5210	14.35	15	No
5.3 (5.25~5.35)	802.11a	52	5260	15.27	16	No
		60	5300	15.33	16	No
		64	5320	15.30	16	No
	802.11n(HT20)	52	5260	15.42	16	No
		60	5300	15.36	16	No
		64	5320	15.48	16	No
	802.11n(HT40)	54	5270	15.57	16	No
		62	5310	15.62	16	Yes
	802.11ac(VHT20)	52	5260	15.36	16	No
		60	5300	15.25	16	No
		64	5320	15.46	16	No
	802.11ac(VHT40)	54	5270	15.45	16	No
		62	5310	15.25	16	No
	802.11ac(VHT80)	58	5290	14.52	15	No

	802.11ax(HE20)	52	5260	15.45	16	No
		60	5300	15.39	16	No
		64	5320	15.27	16	No
	802.11ax(HE40)	54	5270	15.50	16	No
		62	5310	15.33	16	No
	802.11ax(HE80)	58	5290	14.29	15	No
5.6 (5.47~5.725)	802.11a	100	5500	15.38	16	No
		116	5580	15.49	16	No
		120	5600	15.19	16	No
		140	5700	14.94	15.1	No
	802.11n(HT20)	100	5500	15.33	16	No
		116	5580	15.24	16	No
		140	5700	14.28	15	No
	802.11n(HT40)	102	5510	13.31	14	No
		118	5590	15.46	16	No
		134	5670	15.53	16	No
	802.11ac(VHT20)	100	5500	15.40	16	No
		116	5580	15.39	16	No
		140	5700	14.32	15	No
	802.11ac(VHT40)	102	5510	13.27	14	No
		118	5590	15.29	16	No
		134	5670	15.45	16	No
	802.11ac(VHT80)	106	5530	11.67	12	No
		122	5610	15.57	16	Yes
	802.11ax(HE20)	100	5500	15.59	16	No
		116	5580	15.41	16	No
		140	5700	14.27	15	No
	802.11ax(HE40)	102	5510	13.45	14	No
		118	5590	15.51	16	No
		134	5670	15.15	16	No
802.11ax(HE80)	106	5530	11.39	12	No	
	122	5610	15.32	16	No	
5.8 (5.725~5.85)	802.11a	149	5745	15.22	16	No
		157	5785	15.31	16	No
		165	5825	15.48	16	No
	802.11n(HT20)	149	5745	15.25	16	No
		157	5785	15.26	16	No

		165	5825	15.47	16	No
	802.11n(HT40)	151	5755	15.49	16	No
		159	5795	15.25	16	No
	802.11ac(VHT20)	149	5745	15.59	16	No
		157	5785	15.22	16	No
		165	5825	15.43	16	No
	802.11ac(VHT40)	151	5755	15.17	16	No
		159	5795	15.38	16	No
	802.11ac(VHT80)	155	5775	15.41	16	Yes
	802.11ax(HE20)	149	5745	15.5	16	No
		157	5785	15.41	16	No
		165	5825	15.32	16	No
	802.11ax(HE40)	151	5755	15.44	16	No
		159	5795	15.49	16	No
	802.11ax(HE80)	155	5775	15.40	16	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

9.9 Bluetooth

9.9.1 Bluetooth (Aux. Antenna)

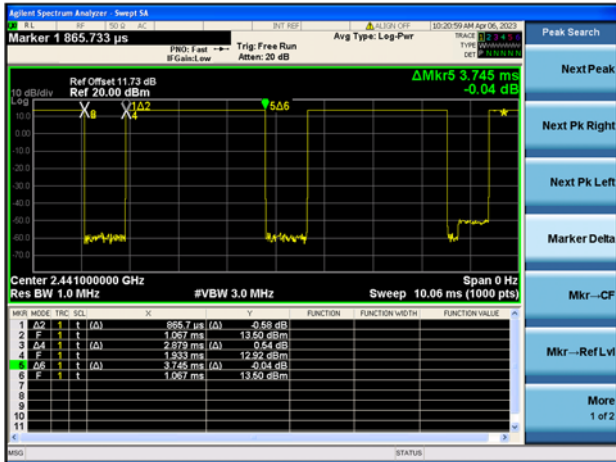
Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	13.56	13.33	13.06	11.35	11.07	11.01
Tune-Up Limit (dBm)	15	15	15	13	13	13
SAR Test Require	Yes	No	No	No	No	No
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	11.33	11.04	11.03	/	/	/
Tune-Up Limit (dBm)	13	13	13	/	/	/
SAR Test Require	No	No	No	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	3.00	3.69	3.46	3.02	3.72	3.49
Tune-Up Limit (dBm)	5	5	5	5	5	5
SAR Test Require	No	No	No	No	No	No

Note: 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 is 76.53 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle

Bluetooth-GFSK



9.10 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/WLAN 5G; WWAN+BT
State6	On (Head scenario)	WWAN + WLAN 2.4G + WLAN 5G; WWAN+WLAN2.4G/5G+BT
State1	Off (Body scenario)	WWAN Only
State3	Off (Body scenario)	WWAN + WLAN 2.4G/WLAN 5G; WWAN+BT
State5	Off (Body scenario)	WWAN + WLAN 2.4G + WLAN 5G; WWAN+WLAN2.4G/5G+BT

Mode	Antenna	WWAN Antenna								
		Full Power	Head			Body Worn/Specific			Hotspot	
			Receiver on			Receiver off			Receiver off	
			State2	State4	State6	State1	State3	State5	State3	State5
GSM 850	ANT0	33.00	33.00	33.00	33.00	33.00	32.50	32.50	32.50	32.50
GPRS850 1 Tx Slot	ANT0	33.00	33.00	33.00	33.00	33.00	32.50	32.50	32.50	32.50
GPRS850 2 Tx Slots	ANT0	31.00	31.00	31.00	31.00	31.00	30.50	30.50	30.50	30.50
GPRS850 3 Tx Slots	ANT0	29.00	29.00	29.00	29.00	29.00	28.50	28.50	28.50	28.50
GPRS850 4 Tx Slots	ANT0	28.00	28.00	28.00	28.00	28.00	27.50	27.50	27.50	27.50
EGPRS850 1 Tx Slot	ANT0	27.50	27.50	27.50	27.50	27.50	27.00	27.00	27.00	27.00
EGPRS850 2 Tx Slots	ANT0	26.00	26.00	26.00	26.00	26.00	25.50	25.50	25.50	25.50
EGPRS850 3 Tx Slots	ANT0	23.00	23.00	23.00	23.00	23.00	22.50	22.50	22.50	22.50
EGPRS850 4 Tx Slots	ANT0	22.50	22.50	22.50	22.50	22.50	22.00	22.00	22.00	22.00
GSM 850	ANT1	33.50	33.50	33.50	33.50	33.50	32.00	32.00	32.00	32.00
GPRS850 1 Tx Slot	ANT1	33.50	33.50	33.50	33.50	33.50	32.00	32.00	32.00	32.00
GPRS850 2 Tx Slots	ANT1	31.00	31.00	31.00	31.00	31.00	29.50	29.50	29.50	29.50
GPRS850 3 Tx Slots	ANT1	29.00	29.00	29.00	29.00	29.00	27.50	27.50	27.50	27.50
GPRS850 4 Tx Slots	ANT1	28.00	28.00	28.00	28.00	28.00	26.50	26.50	26.50	26.50
EGPRS850 1 Tx Slot	ANT1	27.50	27.50	27.50	27.50	27.50	26.00	26.00	26.00	26.00
EGPRS850 2 Tx Slots	ANT1	26.00	26.00	26.00	26.00	26.00	24.50	24.50	24.50	24.50
EGPRS850 3 Tx Slots	ANT1	23.00	23.00	23.00	23.00	23.00	21.50	21.50	21.50	21.50
EGPRS850 4 Tx Slots	ANT1	22.50	22.50	22.50	22.50	22.50	21.00	21.00	21.00	21.00
GSM 1900	ANT3	30.00	28.00	26.00	26.00	30.00	29.00	29.00	29.00	29.00
GPRS1900 1 Tx Slot	ANT3	30.00	28.00	26.00	26.00	30.00	29.00	29.00	29.00	29.00
GPRS1900 2 Tx Slots	ANT3	28.00	26.00	24.00	24.00	28.00	27.00	27.00	27.00	27.00
GPRS1900 3 Tx Slots	ANT3	26.00	24.00	22.00	22.00	26.00	25.00	25.00	25.00	25.00
GPRS1900 4 Tx Slots	ANT3	24.00	22.00	20.00	20.00	24.00	23.00	23.00	23.00	23.00
EGPRS1900 1 Tx Slot	ANT3	27.00	25.00	23.00	23.00	27.00	26.00	26.00	26.00	26.00
EGPRS1900 2 Tx Slots	ANT3	25.50	23.50	21.50	21.50	25.50	24.50	24.50	24.50	24.50
EGPRS1900 3 Tx Slots	ANT3	22.00	20.00	18.00	18.00	22.00	21.00	21.00	21.00	21.00
EGPRS1900 4 Tx Slots	ANT3	21.50	19.50	17.50	17.50	21.50	20.50	20.50	20.50	20.50
GSM 1900	ANT4	30.50	30.50	30.50	30.50	30.50	29.00	29.00	29.00	29.00
GPRS1900 1 Tx Slot	ANT4	30.50	30.50	30.50	30.50	30.50	29.00	29.00	29.00	29.00
GPRS1900 2 Tx Slots	ANT4	28.50	28.50	28.50	28.50	28.50	27.00	27.00	27.00	27.00
GPRS1900 3 Tx Slots	ANT4	26.50	26.50	26.50	26.50	26.50	25.00	25.00	25.00	25.00
GPRS1900 4 Tx Slots	ANT4	24.50	24.50	24.50	24.50	24.50	23.00	23.00	23.00	23.00
EGPRS1900 1 Tx Slot	ANT4	27.00	27.00	27.00	27.00	27.00	25.50	25.50	25.50	25.50

EGPRS1900 2 Tx Slots	ANT4	25.50	25.50	25.50	25.50	25.50	24.00	24.00	24.00	24.00
EGPRS1900 3 Tx Slots	ANT4	22.00	22.00	22.00	22.00	22.00	20.50	20.50	20.50	20.50
EGPRS1900 4 Tx Slots	ANT4	21.50	21.50	21.50	21.50	21.50	20.00	20.00	20.00	20.00
GSM 1900	ANT5	29.00	27.00	25.00	25.00	29.00	28.00	28.00	28.00	28.00
GPRS1900 1 Tx Slot	ANT5	29.00	27.00	25.00	25.00	29.00	28.00	28.00	28.00	28.00
GPRS1900 2 Tx Slots	ANT5	27.00	25.00	23.00	23.00	27.00	26.00	26.00	26.00	26.00
GPRS1900 3 Tx Slots	ANT5	25.00	23.00	21.00	21.00	25.00	24.00	24.00	24.00	24.00
GPRS1900 4 Tx Slots	ANT5	23.00	21.00	19.00	19.00	23.00	22.00	22.00	22.00	22.00
EGPRS1900 1 Tx Slot	ANT5	25.50	23.50	21.50	21.50	25.50	24.50	24.50	24.50	24.50
EGPRS1900 2 Tx Slots	ANT5	24.00	22.00	20.00	20.00	24.00	23.00	23.00	23.00	23.00
EGPRS1900 3 Tx Slots	ANT5	20.50	18.50	16.50	16.50	20.50	19.50	19.50	19.50	19.50
EGPRS1900 4 Tx Slots	ANT5	20.00	18.00	16.00	16.00	20.00	19.00	19.00	19.00	19.00
WCDMA Band2 RMC	ANT3	24.30	18.30	16.30	16.30	21.80	19.30	19.30	19.30	19.30
AMR	ANT3	24.30	18.30	16.30	16.30	21.80	19.30	19.30	19.30	19.30
HSDPA Subtest-1	ANT3	23.30	17.30	15.30	15.30	20.80	18.30	18.30	18.30	18.30
HSDPA Subtest-2	ANT3	23.30	17.30	15.30	15.30	20.80	18.30	18.30	18.30	18.30
HSDPA Subtest-3	ANT3	22.80	16.80	14.80	14.80	20.30	17.80	17.80	17.80	17.80
HSDPA Subtest-4	ANT3	22.80	16.80	14.80	14.80	20.30	17.80	17.80	17.80	17.80
DC-HSDPA Subtest-1	ANT3	23.30	17.30	15.30	15.30	20.80	18.30	18.30	18.30	18.30
DC-HSDPA Subtest-2	ANT3	23.30	17.30	15.30	15.30	20.80	18.30	18.30	18.30	18.30
DC-HSDPA Subtest-3	ANT3	22.80	16.80	14.80	14.80	20.30	17.80	17.80	17.80	17.80
DC-HSDPA Subtest-4	ANT3	22.80	16.80	14.80	14.80	20.30	17.80	17.80	17.80	17.80
HSUPA Subtest-1	ANT3	23.30	17.30	15.30	15.30	20.80	18.30	18.30	18.30	18.30
HSUPA Subtest-2	ANT3	21.80	15.80	13.80	13.80	19.30	16.80	16.80	16.80	16.80
HSUPA Subtest-3	ANT3	22.30	16.30	14.30	14.30	19.80	17.30	17.30	17.30	17.30
HSUPA Subtest-4	ANT3	21.80	15.80	13.80	13.80	19.30	16.80	16.80	16.80	16.80
HSUPA Subtest-5	ANT3	23.30	17.30	15.30	15.30	20.80	18.30	18.30	18.30	18.30
HSPA+	ANT3	20.80	14.80	12.80	12.80	18.30	15.80	15.80	15.80	15.80
WCDMA Band2 RMC	ANT4	24.80	24.80	24.80	24.80	20.80	18.80	18.80	18.80	18.80
AMR	ANT4	24.80	24.80	24.80	24.80	20.80	18.80	18.80	18.80	18.80
HSDPA Subtest-1	ANT4	23.80	23.80	23.80	23.80	19.80	17.80	17.80	17.80	17.80
HSDPA Subtest-2	ANT4	23.80	23.80	23.80	23.80	19.80	17.80	17.80	17.80	17.80
HSDPA Subtest-3	ANT4	23.30	23.30	23.30	23.30	19.30	17.30	17.30	17.30	17.30
HSDPA Subtest-4	ANT4	23.30	23.30	23.30	23.30	19.30	17.30	17.30	17.30	17.30
DC-HSDPA Subtest-1	ANT4	23.80	23.80	23.80	23.80	19.80	17.80	17.80	17.80	17.80
DC-HSDPA Subtest-2	ANT4	23.80	23.80	23.80	23.80	19.80	17.80	17.80	17.80	17.80
DC-HSDPA Subtest-3	ANT4	23.30	23.30	23.30	23.30	19.30	17.30	17.30	17.30	17.30

DC-HSDPA Subtest-4	ANT4	23.30	23.30	23.30	23.30	19.30	17.30	17.30	17.30	17.30
HSUPA Subtest-1	ANT4	23.80	23.80	23.80	23.80	19.80	17.80	17.80	17.80	17.80
HSUPA Subtest-2	ANT4	21.80	21.80	21.80	21.80	17.80	15.80	15.80	15.80	15.80
HSUPA Subtest-3	ANT4	22.80	22.80	22.80	22.80	18.80	16.80	16.80	16.80	16.80
HSUPA Subtest-4	ANT4	21.80	21.80	21.80	21.80	17.80	15.80	15.80	15.80	15.80
HSUPA Subtest-5	ANT4	23.80	23.80	23.80	23.80	19.80	17.80	17.80	17.80	17.80
HSPA+	ANT4	20.80	20.80	20.80	20.80	16.80	14.80	14.80	14.80	14.80
WCDMA Band2 RMC	ANT5	23.30	17.30	15.30	15.30	19.30	17.30	17.30	17.30	17.30
AMR	ANT5	23.30	17.30	15.30	15.30	19.30	17.30	17.30	17.30	17.30
HSDPA Subtest-1	ANT5	22.30	16.30	14.30	14.30	18.30	16.30	16.30	16.30	16.30
HSDPA Subtest-2	ANT5	22.30	16.30	14.30	14.30	18.30	16.30	16.30	16.30	16.30
HSDPA Subtest-3	ANT5	21.80	15.80	13.80	13.80	17.80	15.80	15.80	15.80	15.80
HSDPA Subtest-4	ANT5	21.80	15.80	13.80	13.80	17.80	15.80	15.80	15.80	15.80
DC-HSDPA Subtest-1	ANT5	22.30	16.30	14.30	14.30	18.30	16.30	16.30	16.30	16.30
DC-HSDPA Subtest-2	ANT5	22.30	16.30	14.30	14.30	18.30	16.30	16.30	16.30	16.30
DC-HSDPA Subtest-3	ANT5	21.80	15.80	13.80	13.80	17.80	15.80	15.80	15.80	15.80
DC-HSDPA Subtest-4	ANT5	21.80	15.80	13.80	13.80	17.80	15.80	15.80	15.80	15.80
HSUPA Subtest-1	ANT5	22.30	16.30	14.30	14.30	18.30	16.30	16.30	16.30	16.30
HSUPA Subtest-2	ANT5	20.30	14.30	12.30	12.30	16.30	14.30	14.30	14.30	14.30
HSUPA Subtest-3	ANT5	21.30	15.30	13.30	13.30	17.30	15.30	15.30	15.30	15.30
HSUPA Subtest-4	ANT5	20.30	14.30	12.30	12.30	16.30	14.30	14.30	14.30	14.30
HSUPA Subtest-5	ANT5	22.30	16.30	14.30	14.30	18.30	16.30	16.30	16.30	16.30
HSPA+	ANT5	19.30	13.30	11.30	11.30	15.30	13.30	13.30	13.30	13.30
WCDMA Band4 RMC	ANT3	24.30	18.30	16.30	16.30	21.80	19.30	19.30	19.30	19.30
AMR	ANT3	24.30	18.30	16.30	16.30	21.80	19.30	19.30	19.30	19.30
HSDPA Subtest-1	ANT3	23.30	17.30	15.30	15.30	20.80	18.30	18.30	18.30	18.30
HSDPA Subtest-2	ANT3	23.30	17.30	15.30	15.30	20.80	18.30	18.30	18.30	18.30
HSDPA Subtest-3	ANT3	22.80	16.80	14.80	14.80	20.30	17.80	17.80	17.80	17.80
HSDPA Subtest-4	ANT3	22.80	16.80	14.80	14.80	20.30	17.80	17.80	17.80	17.80
DC-HSDPA Subtest-1	ANT3	23.30	17.30	15.30	15.30	20.80	18.30	18.30	18.30	18.30
DC-HSDPA Subtest-2	ANT3	23.30	17.30	15.30	15.30	20.80	18.30	18.30	18.30	18.30
DC-HSDPA Subtest-3	ANT3	22.80	16.80	14.80	14.80	20.30	17.80	17.80	17.80	17.80
DC-HSDPA Subtest-4	ANT3	22.80	16.80	14.80	14.80	20.30	17.80	17.80	17.80	17.80
HSUPA Subtest-1	ANT3	23.30	17.30	15.30	15.30	20.80	18.30	18.30	18.30	18.30
HSUPA Subtest-2	ANT3	21.80	15.80	13.80	13.80	19.30	16.80	16.80	16.80	16.80
HSUPA Subtest-3	ANT3	22.30	16.30	14.30	14.30	19.80	17.30	17.30	17.30	17.30
HSUPA Subtest-4	ANT3	21.80	15.80	13.80	13.80	19.30	16.80	16.80	16.80	16.80

HSUPA Subtest-5	ANT3	23.30	17.30	15.30	15.30	20.80	18.30	18.30	18.30	18.30
HSPA+	ANT3	20.80	14.80	12.80	12.80	18.30	15.80	15.80	15.80	15.80
WCDMA Band4 RMC	ANT4	24.80	24.80	24.80	24.80	21.30	18.80	18.80	18.80	18.80
AMR	ANT4	24.80	24.80	24.80	24.80	21.30	18.80	18.80	18.80	18.80
HSDPA Subtest-1	ANT4	23.80	23.80	23.80	23.80	20.30	17.80	17.80	17.80	17.80
HSDPA Subtest-2	ANT4	23.80	23.80	23.80	23.80	20.30	17.80	17.80	17.80	17.80
HSDPA Subtest-3	ANT4	23.30	23.30	23.30	23.30	19.80	17.30	17.30	17.30	17.30
HSDPA Subtest-4	ANT4	23.30	23.30	23.30	23.30	19.80	17.30	17.30	17.30	17.30
DC-HSDPA Subtest-1	ANT4	23.80	23.80	23.80	23.80	20.30	17.80	17.80	17.80	17.80
DC-HSDPA Subtest-2	ANT4	23.80	23.80	23.80	23.80	20.30	17.80	17.80	17.80	17.80
DC-HSDPA Subtest-3	ANT4	23.30	23.30	23.30	23.30	19.80	17.30	17.30	17.30	17.30
DC-HSDPA Subtest-4	ANT4	23.30	23.30	23.30	23.30	19.80	17.30	17.30	17.30	17.30
HSUPA Subtest-1	ANT4	23.80	23.80	23.80	23.80	20.30	17.80	17.80	17.80	17.80
HSUPA Subtest-2	ANT4	21.80	21.80	21.80	21.80	18.30	15.80	15.80	15.80	15.80
HSUPA Subtest-3	ANT4	22.80	22.80	22.80	22.80	19.30	16.80	16.80	16.80	16.80
HSUPA Subtest-4	ANT4	21.80	21.80	21.80	21.80	18.30	15.80	15.80	15.80	15.80
HSUPA Subtest-5	ANT4	23.80	23.80	23.80	23.80	20.30	17.80	17.80	17.80	17.80
HSPA+	ANT4	20.80	20.80	20.80	20.80	17.30	14.80	14.80	14.80	14.80
WCDMA Band4 RMC	ANT5	23.30	17.30	15.30	15.30	19.80	17.30	17.30	17.30	17.30
AMR	ANT5	23.30	17.30	15.30	15.30	19.80	17.30	17.30	17.30	17.30
HSDPA Subtest-1	ANT5	22.30	16.30	14.30	14.30	18.80	16.30	16.30	16.30	16.30
HSDPA Subtest-2	ANT5	22.30	16.30	14.30	14.30	18.80	16.30	16.30	16.30	16.30
HSDPA Subtest-3	ANT5	21.80	15.80	13.80	13.80	18.30	15.80	15.80	15.80	15.80
HSDPA Subtest-4	ANT5	21.80	15.80	13.80	13.80	18.30	15.80	15.80	15.80	15.80
DC-HSDPA Subtest-1	ANT5	22.30	16.30	14.30	14.30	18.80	16.30	16.30	16.30	16.30
DC-HSDPA Subtest-2	ANT5	22.30	16.30	14.30	14.30	18.80	16.30	16.30	16.30	16.30
DC-HSDPA Subtest-3	ANT5	21.80	15.80	13.80	13.80	18.30	15.80	15.80	15.80	15.80
DC-HSDPA Subtest-4	ANT5	21.80	15.80	13.80	13.80	18.30	15.80	15.80	15.80	15.80
HSUPA Subtest-1	ANT5	22.30	16.30	14.30	14.30	18.80	16.30	16.30	16.30	16.30
HSUPA Subtest-2	ANT5	20.30	14.30	12.30	12.30	16.80	14.30	14.30	14.30	14.30
HSUPA Subtest-3	ANT5	21.30	15.30	13.30	13.30	17.80	15.30	15.30	15.30	15.30
HSUPA Subtest-4	ANT5	20.30	14.30	12.30	12.30	16.80	14.30	14.30	14.30	14.30
HSUPA Subtest-5	ANT5	22.30	16.30	14.30	14.30	18.80	16.30	16.30	16.30	16.30
HSPA+	ANT5	19.30	13.30	11.30	11.30	15.80	13.30	13.30	13.30	13.30
WCDMA Band5 RMC	ANT0	24.30	24.30	24.30	24.30	24.30	22.80	22.80	22.80	22.80
AMR	ANT0	24.30	24.30	24.30	24.30	24.30	22.80	22.80	22.80	22.80
HSDPA Subtest-1	ANT0	23.30	23.30	23.30	23.30	23.30	21.80	21.80	21.80	21.80

HSDPA Subtest-2	ANT0	23.30	23.30	23.30	23.30	23.30	21.80	21.80	21.80	21.80
HSDPA Subtest-3	ANT0	22.80	22.80	22.80	22.80	22.80	21.30	21.30	21.30	21.30
HSDPA Subtest-4	ANT0	22.80	22.80	22.80	22.80	22.80	21.30	21.30	21.30	21.30
DC-HSDPA Subtest-1	ANT0	23.30	23.30	23.30	23.30	23.30	21.80	21.80	21.80	21.80
DC-HSDPA Subtest-2	ANT0	23.30	23.30	23.30	23.30	23.30	21.80	21.80	21.80	21.80
DC-HSDPA Subtest-3	ANT0	22.80	22.80	22.80	22.80	22.80	21.30	21.30	21.30	21.30
DC-HSDPA Subtest-4	ANT0	22.80	22.80	22.80	22.80	22.80	21.30	21.30	21.30	21.30
HSUPA Subtest-1	ANT0	23.30	23.30	23.30	23.30	23.30	21.80	21.80	21.80	21.80
HSUPA Subtest-2	ANT0	21.80	21.80	21.80	21.80	21.80	20.30	20.30	20.30	20.30
HSUPA Subtest-3	ANT0	22.30	22.30	22.30	22.30	22.30	20.80	20.80	20.80	20.80
HSUPA Subtest-4	ANT0	21.80	21.80	21.80	21.80	21.80	20.30	20.30	20.30	20.30
HSUPA Subtest-5	ANT0	23.30	23.30	23.30	23.30	23.30	21.80	21.80	21.80	21.80
HSPA+	ANT0	20.80	20.80	20.80	20.80	20.80	19.30	19.30	19.30	19.30
WCDMA Band5 RMC	ANT1	24.80	24.80	24.80	24.80	24.80	24.30	24.30	24.30	24.30
AMR	ANT1	24.80	24.80	24.80	24.80	24.80	24.30	24.30	24.30	24.30
HSDPA Subtest-1	ANT1	23.80	23.80	23.80	23.80	23.80	23.30	23.30	23.30	23.30
HSDPA Subtest-2	ANT1	23.80	23.80	23.80	23.80	23.80	23.30	23.30	23.30	23.30
HSDPA Subtest-3	ANT1	23.30	23.30	23.30	23.30	23.30	22.80	22.80	22.80	22.80
HSDPA Subtest-4	ANT1	23.30	23.30	23.30	23.30	23.30	22.80	22.80	22.80	22.80
DC-HSDPA Subtest-1	ANT1	23.80	23.80	23.80	23.80	23.80	23.30	23.30	23.30	23.30
DC-HSDPA Subtest-2	ANT1	23.80	23.80	23.80	23.80	23.80	23.30	23.30	23.30	23.30
DC-HSDPA Subtest-3	ANT1	23.30	23.30	23.30	23.30	23.30	22.80	22.80	22.80	22.80
DC-HSDPA Subtest-4	ANT1	23.30	23.30	23.30	23.30	23.30	22.80	22.80	22.80	22.80
HSUPA Subtest-1	ANT1	23.80	23.80	23.80	23.80	23.80	23.30	23.30	23.30	23.30
HSUPA Subtest-2	ANT1	21.80	21.80	21.80	21.80	21.80	21.30	21.30	21.30	21.30
HSUPA Subtest-3	ANT1	22.80	22.80	22.80	22.80	22.80	22.30	22.30	22.30	22.30
HSUPA Subtest-4	ANT1	21.80	21.80	21.80	21.80	21.80	21.30	21.30	21.30	21.30
HSUPA Subtest-5	ANT1	23.80	23.80	23.80	23.80	23.80	23.30	23.30	23.30	23.30
HSPA+	ANT1	20.80	20.80	20.80	20.80	20.80	20.30	20.30	20.30	20.30
LTE Band2	ANT3	23.80	18.80	16.80	16.80	22.80	20.80	20.80	20.80	20.80
LTE Band2	ANT4	24.30	24.30	24.30	24.30	21.30	18.80	18.80	18.80	18.80
LTE Band2	ANT5	22.80	17.80	15.80	15.80	19.80	17.30	17.30	17.30	17.30
LTE Band4	ANT3	23.80	18.30	16.80	16.80	22.80	20.30	20.30	20.30	20.30
LTE Band4	ANT4	24.30	24.30	24.30	24.30	21.30	18.80	18.80	18.80	18.80
LTE Band4	ANT5	22.80	22.80	21.30	21.30	21.80	18.30	18.30	18.30	18.30
LTE Band5	ANT0	24.30	24.30	24.30	24.30	24.30	24.30	24.30	24.30	24.30
LTE Band5	ANT1	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80

LTE Band7	ANT3	23.80	16.80	14.80	14.80	21.30	18.80	18.80	18.80	18.80
LTE Band7	ANT4	24.30	24.30	24.30	24.30	20.80	18.30	18.30	18.30	18.30
LTE Band7	ANT5	22.80	18.80	16.80	16.80	20.80	18.30	18.30	18.30	18.30
LTE Band12	ANT0	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30
LTE Band12	ANT1	23.80	23.80	23.30	23.30	23.80	23.80	23.80	23.80	23.80
LTE Band13	ANT0	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30
LTE Band13	ANT1	23.80	23.80	23.80	23.80	23.80	23.80	23.80	23.80	23.80
LTE Band17	ANT0	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30
LTE Band17	ANT1	23.80	23.80	23.30	23.30	23.80	23.80	23.80	23.80	23.80
LTE Band18	ANT0	24.30	24.30	24.30	24.30	24.30	24.30	24.30	24.30	24.30
LTE Band18	ANT1	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band19	ANT0	24.30	24.30	24.30	24.30	24.30	24.30	24.30	24.30	24.30
LTE Band19	ANT1	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band26	ANT0	24.30	24.30	24.30	24.30	24.30	24.30	24.30	24.30	24.30
LTE Band26	ANT1	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band66	ANT3	24.30	17.80	15.80	15.80	22.30	19.80	19.80	19.80	19.80
LTE Band66	ANT4	24.80	24.80	24.80	24.80	21.30	19.30	19.30	19.30	19.30
LTE Band66	ANT5	23.30	21.80	19.80	19.80	21.80	19.30	19.30	19.30	19.30
LTE Band38	ANT3	23.80	17.30	15.30	15.30	22.80	19.30	19.30	19.30	19.30
LTE Band38	ANT4	24.30	24.30	24.30	24.30	23.30	20.80	20.80	20.80	20.80
LTE Band38	ANT5	22.80	21.30	19.30	19.30	22.80	20.30	20.30	20.30	20.30
LTE Band41(PC3)	ANT3	23.30	18.80	16.80	16.80	23.30	20.80	20.80	20.80	20.80
LTE Band41(PC3)	ANT4	23.80	23.80	23.80	23.80	23.80	21.30	21.30	21.30	21.30
LTE Band41(PC3)	ANT5	22.30	21.80	19.80	19.80	22.30	21.30	21.30	21.30	21.30
LTE Band41(PC2)	ANT3	25.30	20.80	18.80	18.80	25.30	22.80	22.80	22.80	22.80
LTE Band41(PC2)	ANT4	25.80	25.80	25.80	25.80	28.80	23.30	23.30	23.30	23.30
LTE Band41(PC2)	ANT5	24.30	23.80	21.80	21.80	24.30	23.30	23.30	23.30	23.30
NR Band5	ANT0	24.20	24.20	24.20	24.20	24.2	23.7	23.70	23.70	23.70
NR Band5	ANT1	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70
NR Band7	ANT3	23.70	17.70	15.70	15.70	20.7	18.2	18.20	18.20	18.20
NR Band7	ANT4	24.20	24.20	24.20	24.20	21.2	18.7	18.70	18.70	18.70
NR Band7	ANT5	22.50	19.50	17.50	17.50	21	18.5	18.50	18.50	18.50
NR Band38	ANT3	23.70	15.20	13.20	13.20	20.20	17.7	17.70	17.70	17.70
NR Band38	ANT4	24.20	24.20	24.20	24.20	21.20	18.7	18.70	18.70	18.70
NR Band38	ANT5	22.40	18.90	16.90	16.90	20.40	17.9	17.90	17.90	17.90
NR Band41(PC3)	ANT3	23.50	14.50	12.50	12.50	18	15.5	15.50	15.50	15.50
NR Band41(PC3)	ANT4	24.20	24.20	24.20	24.20	19.7	17.2	17.20	17.20	17.20

NR Band41(PC3)	ANT5	22.30	18.30	16.30	16.30	19.3	16.8	16.80	16.80	16.80
NR Band41(PC2)	ANT3	25.50	16.50	14.50	14.50	20	17.5	17.50	17.50	17.50
NR Band41(PC2)	ANT4	26.20	26.20	26.20	26.20	21.7	19.2	19.20	19.20	19.20
NR Band41(PC2)	ANT5	24.30	20.30	18.30	18.30	21.3	18.8	18.80	18.80	18.80
NR Band66	ANT3	24.70	18.70	16.70	16.70	21.7	19.2	19.20	19.20	19.20
NR Band66	ANT4	25.20	25.20	25.20	25.20	21.7	19.2	19.20	19.20	19.20
NR Band66	ANT5	23.80	22.80	20.80	20.80	21.8	19.3	19.30	19.30	19.30

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/WLAN 5G; WWAN+BT
State6	On (Head scenario)	WWAN + WLAN 2.4G + WLAN 5G; WWAN+WLAN2.4G/5G+BT
State1	Off (Body scenario)	WWAN Only
State3	Off (Body scenario)	WWAN + WLAN 2.4G/WLAN 5G; WWAN+BT
State5	Off (Body scenario)	WWAN + WLAN 2.4G + WLAN 5G; WWAN+WLAN2.4G/5G+BT

Mode	Band	Antenna	ENDC Antenna								
			Full Power	Head			Body Worn/Specific			Hotspot	
				Receiver on			Receiver off			Receiver off	
				State2	State4	State6	State1	State3	State5	State3	State5
DC_7A_n5A	n5	Ant.0	24.20	24.20	24.20	24.20	23.70	20.70	20.70	20.70	20.70
	n5	Ant.1	24.70	24.70	22.20	22.20	24.70	22.20	22.20	22.20	22.20
	LTE Band7	Ant.3	23.30	14.30	11.30	11.30	18.30	15.30	15.30	15.30	15.30
	LTE Band7	Ant.4	23.80	23.80	23.30	23.30	17.80	14.80	14.80	14.80	14.80
DC_66A_n5A	n5	Ant.0	24.20	24.20	24.20	24.20	23.70	20.70	20.70	20.70	20.70
	n5	Ant.1	24.70	24.70	22.20	22.20	24.70	22.20	22.20	22.20	22.20
	LTE Band66	Ant.3	23.30	14.80	11.80	11.80	18.80	15.80	15.80	15.80	15.80
	LTE Band66	Ant.4	23.80	23.80	23.80	23.80	18.30	15.30	15.30	15.30	15.30
DC_2A_n7A	n7	Ant.3	23.70	15.70	12.70	12.70	18.20	15.20	15.20	15.20	15.20
	n7	Ant.4	24.20	24.20	24.20	24.20	18.70	15.70	15.70	15.70	15.70
	n7	Ant.5	22.50	17.50	14.50	14.50	18.50	15.50	15.50	15.50	15.50
	LTE Band2	Ant.3	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30
	LTE Band2	Ant.4	23.80	23.80	23.80	23.80	18.30	15.30	15.30	15.30	15.30
	LTE Band2	Ant.5	23.30	18.30	16.30	16.30	17.80	14.80	14.80	14.80	14.80
DC_5A_n7A	n7	Ant.3	23.70	15.70	12.70	12.70	18.20	15.20	15.20	15.20	15.20
	n7	Ant.4	24.20	24.20	24.20	24.20	18.70	15.70	15.70	15.70	15.70
	LTE Band5	Ant.0	24.50	24.50	24.50	24.50	24.50	21.50	21.50	21.50	21.50
	LTE Band5	Ant.1	24.50	24.50	22.00	22.00	24.50	23.00	23.00	23.00	23.00
DC_66A_n7A	n7	Ant.3	23.70	15.70	12.70	12.70	18.20	15.20	15.20	15.20	15.20
	n7	Ant.4	24.20	24.20	24.20	24.20	18.70	15.70	15.70	15.70	15.70
	n7	Ant.5	22.50	17.50	14.50	14.50	18.50	15.50	15.50	15.50	15.50
	LTE Band66	Ant.3	23.30	14.80	11.80	11.80	18.80	15.80	15.80	15.80	15.80
	LTE Band66	Ant.4	23.80	23.80	23.80	23.80	18.30	15.30	15.30	15.30	15.30
	LTE Band66	Ant.5	23.30	20.80	16.80	16.80	19.30	16.30	16.30	16.30	16.30
DC_66A_n38A	n38	Ant.3	23.70	13.20	10.20	10.20	17.70	14.70	14.70	14.70	14.70
	n38	Ant.4	24.20	24.20	24.20	24.20	18.70	15.70	15.70	15.70	15.70
	n38	Ant.5	22.40	16.90	13.90	13.90	17.90	14.90	14.90	14.90	14.90
	LTE Band66	Ant.3	24.00	15.50	12.50	12.50	19.50	16.50	16.50	16.50	16.50
	LTE Band66	Ant.4	24.50	24.50	24.50	24.50	19.00	16.00	16.00	16.00	16.00
	LTE Band66	Ant.5	24.00	21.50	17.50	17.50	20.00	17.00	17.00	17.00	17.00
DC_26A_n41A	n41	Ant.3	23.70	12.70	9.70	9.70	15.70	12.70	12.70	12.70	12.70
	n41	Ant.4	24.20	24.40	23.70	23.70	17.20	14.20	14.20	14.20	14.20
	LTE Band26	Ant.0	23.30	23.30	23.30	23.30	23.30	20.80	20.80	20.80	20.80

	LTE Band26	Ant.1	23.80	23.80	21.30	21.30	23.80	21.80	21.80	21.80	21.80
DC_66A_n41A	n41	Ant.3	23.70	12.70	9.70	9.70	15.70	12.70	12.70	12.70	12.70
	n41	Ant.4	24.20	24.40	23.70	23.70	17.20	14.20	14.20	14.20	14.20
	n41	Ant.5	23.70	17.70	14.70	14.70	18.20	15.20	15.20	15.20	15.20
	LTE Band66	Ant.3	23.30	14.80	11.80	11.80	18.80	15.80	15.80	15.80	15.80
	LTE Band66	Ant.4	23.80	23.80	23.80	23.80	18.30	15.30	15.30	15.30	15.30
	LTE Band66	Ant.5	23.30	20.80	16.80	16.80	19.30	16.30	16.30	16.30	16.30
DC_2A_n66A	n66	Ant.3	24.70	16.70	13.70	13.70	19.20	16.20	16.20	16.20	16.20
	n66	Ant.4	25.20	25.20	25.20	25.20	19.20	16.20	16.20	16.20	16.20
	n66	Ant.5	23.80	20.80	17.80	17.80	19.30	16.30	16.30	16.30	16.30
	LTE Band2	Ant.3	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30	23.30
	LTE Band2	Ant.4	23.80	23.80	23.80	23.80	18.30	15.30	15.30	15.30	15.30
	LTE Band2	Ant.5	23.30	18.30	16.30	16.30	17.80	14.80	14.80	14.80	14.80
DC_5A_n66A	n66	Ant.3	24.70	16.70	13.70	13.70	19.20	16.20	16.20	16.20	16.20
	n66	Ant.4	25.20	25.20	25.20	25.20	19.20	16.20	16.20	16.20	16.20
	LTE Band5	Ant.0	24.00	24.00	24.00	24.00	24.00	21.00	21.00	21.00	21.00
	LTE Band5	Ant.1	24.50	24.50	22.00	22.00	24.50	23.00	23.00	23.00	23.00
DC_7A_n66A	n66	Ant.3	24.70	16.70	13.70	13.70	19.20	16.20	16.20	16.20	16.20
	n66	Ant.4	25.20	25.20	25.20	25.20	19.20	16.20	16.20	16.20	16.20
	n66	Ant.5	23.80	20.80	17.80	17.80	19.30	16.30	16.30	16.30	16.30
	LTE Band7	Ant.3	23.30	14.30	11.30	11.30	18.30	15.30	15.30	15.30	15.30
	LTE Band7	Ant.4	23.80	23.80	23.30	23.30	17.80	14.80	14.80	14.80	14.80
	LTE Band7	Ant.5	23.30	17.30	14.30	14.30	18.80	15.80	15.80	15.80	15.80
DC_12A_n66A	n66	Ant.3	24.70	16.70	13.70	13.70	19.20	16.20	16.20	16.20	16.20
	n66	Ant.4	25.20	25.20	25.20	25.20	19.20	16.20	16.20	16.20	16.20
	LTE Band12	Ant.0	23.30	23.30	23.30	23.30	23.30	20.80	20.80	20.80	20.80
	LTE Band12	Ant.1	23.80	23.30	20.30	20.30	23.80	23.30	23.30	23.30	23.30

WLAN&BT Reduced power level table

Reduced State	Receiver state	Transmitting conditions
Level1	On (Head scenario)	WLAN 2.4G Only WLAN 5G Only
Level2	On (Head scenario)	WLAN2.4G+BT WLAN5G+BT
Level3	On (Head scenario)	WLAN2.4G+WLAN5G
Level4	On (Head scenario)	WWAN+WLAN2.4G WWAN+WLAN5G
Level5	On (Head scenario)	WWAN+WLAN2.4G/5G+BT
Level6	On (Head scenario)	WWAN+WLAN2.4G/5G+BT
Level7	Off (Body scenario)	WLAN 2.4G Only WLAN 5G Only
Level8	Off (Body scenario)	WLAN2.4G+BT WLAN5G+BT
Level9	Off (Body scenario)	WLAN2.4G+WLAN5G
Level10	Off (Body scenario)	WWAN+WLAN2.4G WWAN+WLAN5G
Level11	Off (Body scenario)	WWAN+WLAN2.4G/5G+BT
Level12	Off (Body scenario)	WWAN+WLAN2.4G/5G+BT

Mode	Antenna	WLAN Antenna Class0																								
		Full	Head						Body Worn						Handset						Specific					
			Receiver on						Receiver off																	
			Level1	Level2	Level3	Level4	Level5	Level6	Level7	Level8	Level9	Level10	Level11	Level12	Level13	Level14	Level15	Level16	Level17	Level18	Level19	Level20	Level21	Level22		
2.4G WLAN 802.11b	ANT10	19.00	16.00	15.00	15.00	14.00	14.00	12.00	19.00	19.00	19.00	19.00	18.00	14.00	19.00	19.00	19.00	18.00	18.00	14.00	/	/	/	/	/	/
2.4G WLAN 802.11g	ANT10	19.00	16.00	15.00	15.00	14.00	14.00	12.00	19.00	19.00	19.00	19.00	18.00	14.00	19.00	19.00	19.00	18.00	18.00	14.00	/	/	/	/	/	/
2.4G WLAN 802.11n20	ANT10	19.00	16.00	15.00	15.00	14.00	14.00	12.00	19.00	19.00	19.00	19.00	18.00	14.00	19.00	19.00	19.00	18.00	18.00	14.00	/	/	/	/	/	/
2.4G WLAN 802.11n40	ANT10	19.00	16.00	15.00	15.00	14.00	14.00	12.00	19.00	19.00	19.00	19.00	18.00	14.00	19.00	19.00	19.00	18.00	18.00	14.00	/	/	/	/	/	/
2.4G WLAN 802.11n20	ANT10	19.00	16.00	15.00	15.00	14.00	14.00	12.00	19.00	19.00	19.00	19.00	18.00	14.00	19.00	19.00	19.00	18.00	18.00	14.00	/	/	/	/	/	/
2.4G WLAN 802.11n40	ANT10	19.00	16.00	15.00	15.00	14.00	14.00	12.00	19.00	19.00	19.00	19.00	18.00	14.00	19.00	19.00	19.00	18.00	18.00	14.00	/	/	/	/	/	/
5.2G WLAN 802.11a	ANT5	16.10	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/	
5.2G WLAN 802.11n20	ANT5	16.50	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/	
5.2G WLAN 802.11n40	ANT5	14.00	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/	
5.2G WLAN 802.11n20	ANT5	16.50	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/	
5.2G WLAN 802.11n40	ANT5	14.00	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/	
5.2G WLAN 802.11ac30	ANT5	12.00	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/	

5.25 WLAN 802.11a20	ANT5	15:00	14:30	10:00	14:00	13:00	6:00	11:00	18:00	18:00	18:00	17:00	14:00	13:00	18:00	18:00	17:00	14:00	13:00	/	/	/	/	/	/	
5.25 WLAN 802.11a40	ANT5	14:00	14:30	10:00	14:00	13:00	6:00	11:00	18:00	18:00	18:00	17:00	14:00	13:00	18:00	18:00	17:00	14:00	13:00	/	/	/	/	/	/	
5.25 WLAN 802.11a80	ANT5	12:00	14:30	10:00	14:00	13:00	6:00	11:00	18:00	18:00	18:00	17:00	14:00	13:00	18:00	18:00	17:00	14:00	13:00	/	/	/	/	/	/	
5.25 WLAN 802.11a	ANT5	15:10	14:30	10:00	14:00	13:00	6:00	11:00	18:00	18:00	18:00	17:00	14:00	13:00	/	/	/	/	/	/	18:00	18:00	18:00	17:00	14:00	13:00
5.25 WLAN 802.11a20	ANT5	15:00	14:30	10:00	14:00	13:00	6:00	11:00	18:00	18:00	18:00	17:00	14:00	13:00	/	/	/	/	/	/	18:00	18:00	18:00	17:00	14:00	13:00
5.25 WLAN 802.11a40	ANT5	14:00	14:30	10:00	14:00	13:00	6:00	11:00	18:00	18:00	18:00	17:00	14:00	13:00	/	/	/	/	/	/	18:00	18:00	18:00	17:00	14:00	13:00
5.25 WLAN 802.11a80	ANT5	15:00	14:30	10:00	14:00	13:00	6:00	11:00	18:00	18:00	18:00	17:00	14:00	13:00	/	/	/	/	/	/	18:00	18:00	18:00	17:00	14:00	13:00
5.25 WLAN 802.11a	ANT5	15:10	14:30	10:00	14:00	13:00	6:00	11:00	18:00	18:00	18:00	17:00	14:00	13:00	/	/	/	/	/	/	18:00	18:00	18:00	17:00	14:00	13:00
5.8G WLAN 802.11a20	ANT5	15:00	14:30	10:00	14:00	13:00	6:00	11:00	18:00	18:00	18:00	17:00	14:00	13:00	/	/	/	/	/	/	18:00	18:00	18:00	17:00	14:00	13:00
5.8G WLAN 802.11a40	ANT5	15:00	14:30	10:00	14:00	13:00	6:00	11:00	18:00	18:00	18:00	17:00	14:00	13:00	/	/	/	/	/	/	18:00	18:00	18:00	17:00	14:00	13:00
5.8G WLAN 802.11a80	ANT5	15:00	14:30	10:00	14:00	13:00	6:00	11:00	18:00	18:00	18:00	17:00	14:00	13:00	/	/	/	/	/	/	18:00	18:00	18:00	17:00	14:00	13:00
5.8G WLAN 802.11a	ANT5	15:00	14:30	10:00	14:00	13:00	6:00	11:00	18:00	18:00	18:00	17:00	14:00	13:00	/	/	/	/	/	/	18:00	18:00	18:00	17:00	14:00	13:00

5.8G WLAN 802.11axD	ANT5	15.00	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	18.00	18.00	18.00	17.00	14.00	13.00
5.8G WLAN 802.11axE	ANT5	15.00	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	18.00	18.00	18.00	17.00	14.00	13.00
5.8G WLAN 802.11axB	ANT5	15.00	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	18.00	18.00	18.00	17.00	14.00	13.00
5.8G WLAN 802.11a	ANT5	15.10	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/
5.8G WLAN 802.11axD	ANT5	15.00	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/
5.8G WLAN 802.11axE	ANT5	15.00	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/
5.8G WLAN 802.11axD	ANT5	15.00	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/
5.8G WLAN 802.11axE	ANT5	15.00	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/
5.8G WLAN 802.11axB	ANT5	15.00	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/
5.8G WLAN 802.11axD	ANT5	15.00	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/
5.8G WLAN 802.11axE	ANT5	15.00	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/
5.8G WLAN 802.11axB	ANT5	15.00	14.50	10.00	14.00	13.00	6.00	11.00	18.00	18.00	18.00	17.00	14.00	13.00	18.00	18.00	17.00	14.00	13.00	/	/	/	/	/	/
Bluetooth	ANT5	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	/	/	/	/	/	/

Mode	Antenna	WLAN Antenna Chain1																												
		Full Power	Head						Body Worn						Hotspot						Specific									
			Receiver on						Receiver off																					
			Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev
		el1	el2	el3	el4	el5	el6	el7	el8	el9	el10	el11	el12	el8	el9	el10	el11	el12	el7	el8	el9	el10	el11	el12						
2.4G WLAN 802.11b	ANT	19.00	16.00	16.00	15.00	14.00	14.00	12.00	19.00	19.00	19.00	18.00	18.00	14.00	19.00	19.00	18.00	18.00	14.00	/	/	/	/	/	/	/	/	/		
2.4G WLAN 802.11g	ANT	18.00	16.00	16.00	15.00	14.00	14.00	12.00	19.00	19.00	19.00	18.00	18.00	14.00	19.00	19.00	18.00	18.00	14.00	/	/	/	/	/	/	/	/	/		
2.4G WLAN 802.11n20	ANT	18.00	16.00	16.00	15.00	14.00	14.00	12.00	19.00	19.00	19.00	18.00	18.00	14.00	19.00	19.00	18.00	18.00	14.00	/	/	/	/	/	/	/	/	/		
2.4G WLAN 802.11n40	ANT	19.00	16.00	16.00	15.00	14.00	14.00	12.00	19.00	19.00	19.00	18.00	18.00	14.00	19.00	19.00	18.00	18.00	14.00	/	/	/	/	/	/	/	/	/		
2.4G WLAN 802.11ac20	ANT	18.00	16.00	16.00	15.00	14.00	14.00	12.00	19.00	19.00	19.00	18.00	18.00	14.00	19.00	19.00	18.00	18.00	14.00	/	/	/	/	/	/	/	/	/		
2.4G WLAN 802.11ac40	ANT	19.00	16.00	16.00	15.00	14.00	14.00	12.00	19.00	19.00	19.00	18.00	18.00	14.00	19.00	19.00	18.00	18.00	14.00	/	/	/	/	/	/	/	/	/		
2.4G WLAN 802.11ax20	ANT	18.00	16.00	16.00	15.00	14.00	14.00	12.00	19.00	19.00	19.00	18.00	18.00	14.00	19.00	19.00	18.00	18.00	14.00	/	/	/	/	/	/	/	/	/		
2.4G WLAN 802.11ax40	ANT	19.00	16.00	16.00	15.00	14.00	14.00	12.00	19.00	19.00	19.00	18.00	18.00	14.00	19.00	19.00	18.00	18.00	14.00	/	/	/	/	/	/	/	/	/		

5.2G	WLAN	ANT	16.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	18.	18.	17.0	14.0	13.0	/	/	/	/	/	/
802.11	9	10	50	00	00	00	0	00	00	00	00	00	0	0	0	00	00	0	0	0						
a																										
5.2G	WLAN	ANT	16.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	18.	18.	17.0	14.0	13.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	00	00	0	0	0						
n20																										
5.2G	WLAN	ANT	14.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	18.	18.	17.0	14.0	13.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	00	00	0	0	0						
n40																										
5.2G	WLAN	ANT	16.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	18.	18.	17.0	14.0	13.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	00	00	0	0	0						
ac20																										
5.2G	WLAN	ANT	14.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	18.	18.	17.0	14.0	13.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	00	00	0	0	0						
ac40																										
5.2G	WLAN	ANT	12.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	18.	18.	17.0	14.0	13.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	00	00	0	0	0						
ac80																										
5.2G	WLAN	ANT	16.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	18.	18.	17.0	14.0	13.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	00	00	0	0	0						
ax20																										
5.2G	WLAN	ANT	14.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	18.	18.	17.0	14.0	13.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	00	00	0	0	0						
ax40																										
5.2G	WLAN	ANT	12.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	18.	18.	17.0	14.0	13.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	00	00	0	0	0						
ax80																										
5.3G	WLAN	ANT	16.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	/	/	/	/	/	18.	18.	18.	17.0	14.0	13.0
802.11	9	10	50	00	00	00	0	00	00	00	00	00	0	0	0					00	00	00	0	0	0	

5.6G	WLAN	ANT	16.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	/	/	/	/	/	18.	18.	18.	17.0	14.0	13.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	/	/	/	/	/	00	00	00	0	0	0
n20																										
5.6G	WLAN	ANT	16.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	/	/	/	/	/	18.	18.	18.	17.0	14.0	13.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	/	/	/	/	/	00	00	00	0	0	0
n40																										
5.6G	WLAN	ANT	16.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	/	/	/	/	/	18.	18.	18.	17.0	14.0	13.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	/	/	/	/	/	00	00	00	0	0	0
ac20																										
5.6G	WLAN	ANT	16.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	/	/	/	/	/	18.	18.	18.	17.0	14.0	13.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	/	/	/	/	/	00	00	00	0	0	0
ac40																										
5.6G	WLAN	ANT	16.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	/	/	/	/	/	18.	18.	18.	17.0	14.0	13.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	/	/	/	/	/	00	00	00	0	0	0
ac80																										
5.6G	WLAN	ANT	16.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	/	/	/	/	/	18.	18.	18.	17.0	14.0	13.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	/	/	/	/	/	00	00	00	0	0	0
ax20																										
5.6G	WLAN	ANT	16.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	/	/	/	/	/	18.	18.	18.	17.0	14.0	13.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	/	/	/	/	/	00	00	00	0	0	0
ax40																										
5.6G	WLAN	ANT	16.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	/	/	/	/	/	18.	18.	18.	17.0	14.0	13.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	/	/	/	/	/	00	00	00	0	0	0
ax80																										
5.8G	WLAN	ANT	19.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	18.	18.	17.0	14.0	13.0	/	/	/	/	/	/
802.11	9	10	50	00	00	00	0	00	00	00	00	00	0	0	0	00	00	0	0	0	/	/	/	/	/	/
a																										
5.8G	WLAN	ANT	19.	14.	10.	14.	13.	6.0	11.	18.	18.	18.	17.0	14.0	13.0	18.	18.	17.0	14.0	13.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	00	00	0	0	0	/	/	/	/	/	

Mode	Antenna	WLAN Antenna MIMO																											
		Full Power	Head						Body Worn						Hotspot						Specific								
			Receiver on						Receiver off																				
			Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev	Lev
	el1	el2	el3	el4	el5	el6	el7	el8	el9	el10	el11	el12	el8	el9	el10	el11	el12	el7	el8	el9	el10	el11	el12	el7	el8	el9	el10	el11	el12
2.4G WLAN 802.11b	ANT	22.00	19.00	19.00	18.00	17.00	17.00	15.00	22.00	22.00	22.00	21.00	21.00	17.00	22.00	22.00	21.00	21.00	17.00										
2.4G WLAN 802.11g	ANT	21.00	19.00	19.00	18.00	17.00	17.00	15.00	22.00	22.00	22.00	21.00	21.00	17.00	22.00	22.00	21.00	21.00	17.00										
2.4G WLAN 802.11n20	ANT	21.00	19.00	19.00	18.00	17.00	17.00	15.00	22.00	22.00	22.00	21.00	21.00	17.00	22.00	22.00	21.00	21.00	17.00										
2.4G WLAN 802.11n40	ANT	22.00	19.00	19.00	18.00	17.00	17.00	15.00	22.00	22.00	22.00	21.00	21.00	17.00	22.00	22.00	21.00	21.00	17.00										
2.4G WLAN 802.11ac20	ANT	21.00	19.00	19.00	18.00	17.00	17.00	15.00	22.00	22.00	22.00	21.00	21.00	17.00	22.00	22.00	21.00	21.00	17.00										
2.4G WLAN 802.11ac40	ANT	22.00	19.00	19.00	18.00	17.00	17.00	15.00	22.00	22.00	22.00	21.00	21.00	17.00	22.00	22.00	21.00	21.00	17.00										
2.4G WLAN 802.11ax20	ANT	21.00	19.00	19.00	18.00	17.00	17.00	15.00	22.00	22.00	22.00	21.00	21.00	17.00	22.00	22.00	21.00	21.00	17.00										
2.4G WLAN 802.11ax40	ANT	22.00	19.00	19.00	18.00	17.00	17.00	15.00	22.00	22.00	22.00	21.00	21.00	17.00	22.00	22.00	21.00	21.00	17.00										

5.2G	WLAN	ANT	19.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	21.	21.	20.0	17.0	16.0	/	/	/	/	/	/
802.11	9	10	50	00	00	00	0	00	00	00	00	0	0	0	00	00	0	0	0	0						
a																										
5.2G	WLAN	ANT	19.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	21.	21.	20.0	17.0	16.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	0	0	0	00	00	0	0	0	0						
n20																										
5.2G	WLAN	ANT	17.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	21.	21.	20.0	17.0	16.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	0	0	0	00	00	0	0	0	0						
n40																										
5.2G	WLAN	ANT	19.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	21.	21.	20.0	17.0	16.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	0	0	0	00	00	0	0	0	0						
ac20																										
5.2G	WLAN	ANT	17.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	21.	21.	20.0	17.0	16.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	0	0	0	00	00	0	0	0	0						
ac40																										
5.2G	WLAN	ANT	15.	17.	13.	17.	16.		14.	21.	21.	21.	20.0	17.0	16.0	21.	21.	20.0	17.0	16.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00		00	00	00	00	0	0	0	00	00	0	0	0	0						
ac80																										
5.2G	WLAN	ANT	19.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	21.	21.	20.0	17.0	16.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	0	0	0	00	00	0	0	0	0						
ax20																										
5.2G	WLAN	ANT	17.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	21.	21.	20.0	17.0	16.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	0	0	0	00	00	0	0	0	0						
ax40																										
5.2G	WLAN	ANT	15.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	21.	21.	20.0	17.0	16.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	0	0	0	00	00	0	0	0	0						
ax80																										
5.3G	WLAN	ANT	19.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	/	/	/	/	/	21.	21.	21.	20.0	17.0	16.0
802.11	9	10	50	00	00	00	0	00	00	00	00	0	0	0						00	00	00	0	0	0	0

5.6G	WLAN	ANT	19.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	/	/	/	/	/	21.	21.	21.	20.0	17.0	16.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0						00	00	00	0	0	0
n20																										
5.6G	WLAN	ANT	19.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	/	/	/	/	/	21.	21.	21.	20.0	17.0	16.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0						00	00	00	0	0	0
n40																										
5.6G	WLAN	ANT	19.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	/	/	/	/	/	21.	21.	21.	20.0	17.0	16.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0						00	00	00	0	0	0
ac20																										
5.6G	WLAN	ANT	19.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	/	/	/	/	/	21.	21.	21.	20.0	17.0	16.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0						00	00	00	0	0	0
ac40																										
5.6G	WLAN	ANT	19.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	/	/	/	/	/	21.	21.	21.	20.0	17.0	16.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0						00	00	00	0	0	0
ac80																										
5.6G	WLAN	ANT	19.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	/	/	/	/	/	21.	21.	21.	20.0	17.0	16.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0						00	00	00	0	0	0
ax20																										
5.6G	WLAN	ANT	19.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	/	/	/	/	/	21.	21.	21.	20.0	17.0	16.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0						00	00	00	0	0	0
ax40																										
5.6G	WLAN	ANT	19.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	/	/	/	/	/	21.	21.	21.	20.0	17.0	16.0
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0						00	00	00	0	0	0
ax80																										
5.8G	WLAN	ANT	22.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	21.	21.	20.0	17.0	16.0	/	/	/	/	/	/
802.11	9	10	50	00	00	00	0	00	00	00	00	00	0	0	0	00	00	0	0	0						
a																										
5.8G	WLAN	ANT	22.	17.	13.	17.	16.	9.0	14.	21.	21.	21.	20.0	17.0	16.0	21.	21.	20.0	17.0	16.0	/	/	/	/	/	/
802.11	9	00	50	00	00	00	0	00	00	00	00	00	0	0	0	00	00	0	0	0						

10 TEST EXCLUSION CONSIDERATION

Please refer the document “BL-SZ2330970-AA.pdf”.

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 Pth (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.2	<25	<25	<25	>25	>25	>25
Ant.3	<25	<25	>25	<25	<25	>25
Ant.4	<25	<25	>25	<25	>25	<25
Ant.5	<25	<25	>25	<25	>25	>25
Ant.6	<25	<25	<25	>25	<25	>25
Ant.8	<25	<25	<25	>25	<25	>25
Ant.9	<25	<25	<25	>25	<25	>25
Ant.10	<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&4&6	DATA 2slots	Left Cheek	0	190	836.6	-0.09	0.051	30.38	31.00	1.153	0.059	/
	State2&4&6		Left Tilt	0	190	836.6	-0.06	0.042	30.38	31.00	1.153	0.048	/
	State2&4&6		Right Cheek	0	190	836.6	-0.12	0.110	30.38	31.00	1.153	0.127	/
	State2&4&6		Right Tilt	0	190	836.6	-0.18	0.095	30.38	31.00	1.153	0.110	/
Ant.0	State2&4&6	DATA 2slots	Left Cheek	0	190	836.6	0.18	0.153	30.47	31.00	1.130	0.173	1#
	State2&4&6		Left Tilt	0	190	836.6	-0.02	0.085	30.47	31.00	1.130	0.096	/
	State2&4&6		Right Cheek	0	190	836.6	0.19	0.144	30.47	31.00	1.130	0.163	/
	State2&4&6		Right Tilt	0	190	836.6	0.06	0.112	30.47	31.00	1.130	0.127	/
Body-worn													
Ant.1	State1	DATA 2slots	Front Side	15	190	836.6	0.02	0.022	30.38	31.00	1.153	0.025	/
	State1		Back Side	15	190	836.6	-0.05	0.041	30.38	31.00	1.153	0.047	/
	State3&5	DATA 2slots	Front Side	15	190	836.6	0.09	0.015	28.68	29.50	1.208	0.018	/
	State3&5		Back Side	15	190	836.6	0.18	0.033	28.68	29.50	1.208	0.040	/
Ant.0	State1	DATA 2slots	Front Side	15	190	836.6	-0.15	0.145	30.47	31.00	1.130	0.164	/
	State1		Back Side	15	190	836.6	-0.09	0.174	30.47	31.00	1.130	0.197	2#
	State3&5	DATA 2Slots	Front Side	15	190	836.6	0.16	0.131	29.94	30.50	1.138	0.149	/
	State3&5		Back Side	15	190	836.6	0.03	0.142	29.94	30.50	1.138	0.162	/
Hotspot													
Ant.1	State3&5	DATA 2slots	Front Side	10	190	836.6	0.16	0.006	28.68	29.50	1.208	0.007	/
	State3&5		Back Side	10	190	836.6	-0.01	0.033	28.68	29.50	1.208	0.040	/
	State3&5		Left Edge	10	190	836.6	0.09	0.001	28.68	29.50	1.208	0.001	/
	State3&5		Right Edge	10	190	836.6	-0.10	0.006	28.68	29.50	1.208	0.007	/
	State3&5		Top Edge	10	190	836.6	-0.13	0.003	28.68	29.50	1.208	0.004	/
	State3&5		Bottom Edge	10	190	836.6	0.02	0.001	28.68	29.50	1.208	0.001	/
Ant.0	State3&5	DATA 2slots	Front Side	10	190	836.6	-0.11	0.199	29.94	30.50	1.138	0.226	/
	State3&5		Back Side	10	190	836.6	0.02	0.291	29.94	30.50	1.138	0.331	3#
	State3&5	2slots	Left Edge	10	190	836.6	0.09	0.174	29.94	30.50	1.138	0.198	/
	State3&5		Right Edge	10	190	836.6	-0.01	0.083	29.94	30.50	1.138	0.094	/

	State3&5		Top Edge	10	190	836.6	0.02	0.002	29.94	30.50	1.138	0.002	/
	State3&5		Bottom Edge	10	190	836.6	-0.05	0.122	29.94	30.50	1.138	0.139	/

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.3	State2	DATA	Left Cheek	0	661	1880	0.09	0.402	24.71	26.00	1.346	0.541	/	
	State2		Left Tilt	0	661	1880	-0.02	0.388	24.71	26.00	1.346	0.522	/	
	State2	2Slots	Right Cheek	0	661	1880	-0.16	0.748	24.71	26.00	1.346	1.007	4#	
	State2		Right Tilt	0	661	1880	-0.16	0.656	24.71	26.00	1.346	0.883	/	
	State2	DATA	Right Cheek	0	810	1909.8	0.08	0.674	24.56	26.00	1.393	0.939	/	
	State2		Right Cheek	0	512	1850.2	-0.05	0.668	24.54	26.00	1.400	0.935	/	
	State4&6		Left Cheek	0	661	1850.2	0.01	0.233	22.38	24.00	1.452	0.338	/	
	State4&6		Left Tilt	0	661	1850.2	0.12	0.241	22.38	24.00	1.452	0.350	/	
	State4&6	2Slots	Right Cheek	0	661	1850.2	0.02	0.474	22.38	24.00	1.452	0.688	/	
	State4&6		Right Tilt	0	661	1850.2	0.16	0.411	22.38	24.00	1.452	0.597	/	
Ant.4	State2&4&6	DATA	Left Cheek	0	661	1850.2	-0.03	0.011	27.88	28.50	1.153	0.013	/	
	State2&4&6		Left Tilt	0	661	1850.2	0.16	0.006	27.88	28.50	1.153	0.007	/	
	State2&4&6	2Slots	Right Cheek	0	661	1850.2	-0.10	0.021	27.88	28.50	1.153	0.024	/	
	State2&4&6		Right Tilt	0	661	1850.2	-0.19	0.012	27.88	28.50	1.153	0.014	/	
Ant.5	State2	DATA	Left Cheek	0	661	1880	0.07	0.227	24.21	25.00	1.199	0.272	/	
	State2		Left Tilt	0	661	1880	0.01	0.058	24.21	25.00	1.199	0.070	/	
	State2	2Slots	Right Cheek	0	661	1880	0.12	0.399	24.21	25.00	1.199	0.478	/	
	State2		Right Tilt	0	661	1880	-0.11	0.091	24.21	25.00	1.199	0.109	/	
	State4&6	DATA	Left Cheek	0	661	1850.2	-0.19	0.155	21.87	23.00	1.297	0.201	/	
	State4&6		Left Tilt	0	661	1850.2	0.05	0.041	21.87	23.00	1.297	0.053	/	
	State4&6		2Slots	Right Cheek	0	661	1850.2	-0.06	0.223	21.87	23.00	1.297	0.289	/
	State4&6			Right Tilt	0	661	1850.2	-0.12	0.072	21.87	23.00	1.297	0.093	/
Body-worn														
Ant.3	State1	DATA	Front Side	15	661	1850.2	-0.06	0.117	27.31	28.00	1.172	0.137	/	
	State1	2Slots	Back Side	15	661	1850.2	-0.16	0.141	27.31	28.00	1.172	0.165	5#	
	State3&5	DATA	Front Side	15	661	1850.2	0.09	0.088	26.04	27.00	1.247	0.110	/	
	State3&5	2Slots	Back Side	15	661	1850.2	-0.13	0.105	26.04	27.00	1.247	0.131	/	
Ant.4	State1	DATA	Front Side	15	661	1850.2	0.16	0.074	27.88	28.50	1.153	0.085	/	
	State1	2Slots	Back Side	15	661	1850.2	0.18	0.112	27.88	28.50	1.153	0.129	/	
	State3&5	DATA	Front Side	15	661	1850.2	0.04	0.041	25.70	27.00	1.349	0.055	/	
	State3&5	2Slots	Back Side	15	661	1850.2	-0.03	0.071	25.70	27.00	1.349	0.096	/	

Ant.5	State1	DATA	Front Side	15	661	1850.2	-0.04	0.071	26.48	27.00	1.127	0.080	/
	State1	2Slots	Back Side	15	661	1850.2	-0.10	0.098	26.48	27.00	1.127	0.110	/
	State3&5	DATA	Front Side	15	661	1850.2	-0.02	0.062	25.52	26.00	1.117	0.069	/
	State3&5	2Slots	Back Side	15	661	1850.2	0.11	0.081	25.52	26.00	1.117	0.090	/
Hotspot													
Ant.3	State3&5	DATA	Front Side	10	661	1850.2	0.14	0.125	26.04	27.00	1.247	0.156	/
	State3&5		Back Side	10	661	1850.2	0.04	0.132	26.04	27.00	1.247	0.165	/
	State3&5	2Slots	Left Edge	10	661	1850.2	0.16	0.003	26.04	27.00	1.247	0.004	/
	State3&5		Right Edge	10	661	1850.2	0.03	0.088	26.04	27.00	1.247	0.110	/
	State3&5		Top Edge	10	661	1850.2	-0.09	0.328	26.04	27.00	1.247	0.409	6#
	State3&5		Bottom Edge	10	661	1850.2	-0.18	0.002	26.04	27.00	1.247	0.002	/
Ant.4	State3&5	DATA	Front Side	10	661	1850.2	0.13	0.077	25.70	27.00	1.349	0.104	/
	State3&5		Back Side	10	661	1850.2	0.08	0.145	25.70	27.00	1.349	0.196	/
	State3&5	2Slots	Left Edge	10	661	1850.2	-0.02	0.013	25.70	27.00	1.349	0.018	/
	State3&5		Right Edge	10	661	1850.2	0.19	0.043	25.70	27.00	1.349	0.058	/
	State3&5		Top Edge	10	661	1850.2	0.15	0.004	25.70	27.00	1.349	0.005	/
	State3&5		Bottom Edge	10	661	1850.2	-0.08	0.177	25.70	27.00	1.349	0.239	/
Ant.5	State3&5	DATA	Front Side	10	661	1850.2	0.11	0.112	25.52	26.00	1.117	0.125	/
	State3&5		Back Side	10	661	1850.2	0.01	0.183	25.52	26.00	1.117	0.204	/
	State3&5	2Slots	Left Edge	10	661	1850.2	-0.14	0.012	25.52	26.00	1.117	0.013	/
	State3&5		Right Edge	10	661	1850.2	-0.17	0.244	25.52	26.00	1.117	0.273	/
	State3&5		Top Edge	10	661	1850.2	0.17	0.002	25.52	26.00	1.117	0.002	/
	State3&5		Bottom Edge	10	661	1850.2	-0.07	0.005	25.52	26.00	1.117	0.006	/

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

11.3WCDMA Band 2

Antenna	Power Reduction	回退	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.3	State2	6	RMC	Left Cheek	0	9400	1880	0.03	0.299	17.18	18.30	1.294	0.387	/
	State2	6		Left Tilt	0	9400	1880	-0.09	0.311	17.18	18.30	1.294	0.402	/
	State2	6		Right Cheek	0	9400	1880	-0.03	0.607	17.18	18.30	1.294	0.785	7#
	State2	6		Right Tilt	0	9400	1880	0.14	0.490	17.18	18.30	1.294	0.634	/
	State4&6	8	RMC	Left Cheek	0	9400	1880	-0.04	0.174	15.15	16.30	1.303	0.227	/
	State4&6	8		Left Tilt	0	9400	1880	0.03	0.183	15.15	16.30	1.303	0.238	/
	State4&6	8		Right Cheek	0	9400	1880	0.07	0.332	15.15	16.30	1.303	0.433	/
	State4&6	8		Right Tilt	0	9400	1880	-0.06	0.312	15.15	16.30	1.303	0.407	/
Ant.4	State2&4&6	0	RMC	Left Cheek	0	9400	1880	0.01	0.108	24.10	24.80	1.175	0.127	/
	State2&4&6	0		Left Tilt	0	9400	1880	0.15	0.077	24.10	24.80	1.175	0.090	/
	State2&4&6	0		Right Cheek	0	9400	1880	0.02	0.119	24.10	24.80	1.175	0.140	/
	State2&4&6	0		Right Tilt	0	9400	1880	0.07	0.047	24.10	24.80	1.175	0.055	/
Ant.5	State2	6	RMC	Left Cheek	0	9400	1880	0.17	0.202	16.42	17.30	1.225	0.247	/
	State2	6		Left Tilt	0	9400	1880	-0.09	0.043	16.42	17.30	1.225	0.053	/
	State2	6		Right Cheek	0	9400	1880	0.08	0.329	16.42	17.30	1.225	0.403	/
	State2	6		Right Tilt	0	9400	1880	-0.01	0.068	16.42	17.30	1.225	0.083	/
	State4&6	8	RMC	Left Cheek	0	9400	1880	0.13	0.116	14.39	15.30	1.233	0.143	/
	State4&6	8		Left Tilt	0	9400	1880	0.02	0.025	14.39	15.30	1.233	0.031	/
	State4&6	8		Right Cheek	0	9400	1880	-0.03	0.216	14.39	15.30	1.233	0.266	/
	State4&6	8		Right Tilt	0	9400	1880	-0.14	0.051	14.39	15.30	1.233	0.063	/
Body-worn														
Ant.3	State1	2.5	RMC	Front Side	15	9400	1880	-0.01	0.116	20.78	21.80	1.265	0.147	/
	State1	2.5		Back Side	15	9400	1880	-0.02	0.134	20.78	21.80	1.265	0.170	/
	State3&5	5	RMC	Front Side	15	9400	1880	0.18	0.083	18.21	19.30	1.285	0.107	/
	State3&5	5		Back Side	15	9400	1880	0.02	0.091	18.21	19.30	1.285	0.117	/
Ant.4	State1	4	RMC	Front Side	15	9400	1880	0.07	0.102	19.71	20.80	1.285	0.131	/
	State1	4		Back Side	15	9400	1880	-0.01	0.157	19.71	20.80	1.285	0.202	8#
	State3&5	6	RMC	Front Side	15	9400	1880	-0.04	0.074	17.66	18.80	1.300	0.096	/
	State3&5	6		Back Side	15	9400	1880	-0.19	0.121	17.66	18.80	1.300	0.157	/
Ant.5	State1	4	RMC	Front Side	15	9400	1880	-0.09	0.056	18.50	19.30	1.202	0.067	/
	State1	4		Back Side	15	9400	1880	0.02	0.083	18.50	19.30	1.202	0.100	/

	State3&5	6	RMC	Front Side	15	9400	1880	0.01	0.041	16.42	17.30	1.225	0.050	/
	State3&5	6		Back Side	15	9400	1880	0.19	0.062	16.42	17.30	1.225	0.076	/
Hotspot														
Ant.3	State3&5	5	RMC	Front Side	10	9400	1880	0.09	0.136	18.21	19.30	1.285	0.175	/
	State3&5	5		Back Side	10	9400	1880	0.02	0.163	18.21	19.30	1.285	0.209	/
	State3&5	5		Left Edge	10	9400	1880	-0.18	0.041	18.21	19.30	1.285	0.053	/
	State3&5	5		Right Edge	10	9400	1880	-0.17	0.112	18.21	19.30	1.285	0.144	/
	State3&5	5		Top Edge	10	9400	1880	-0.08	0.276	18.21	19.30	1.285	0.355	9#
	State3&5	5		Bottom Edge	10	9400	1880	-0.06	0.007	18.21	19.30	1.285	0.009	/
Ant.4	State3&5	6	RMC	Front Side	10	9400	1880	0.17	0.136	17.66	18.80	1.300	0.177	/
	State3&5	6		Back Side	10	9400	1880	-0.09	0.141	17.66	18.80	1.300	0.183	/
	State3&5	6		Left Edge	10	9400	1880	0.07	0.004	17.66	18.80	1.300	0.005	/
	State3&5	6		Right Edge	10	9400	1880	0.17	0.061	17.66	18.80	1.300	0.079	/
	State3&5	6		Top Edge	10	9400	1880	0.19	0.018	17.66	18.80	1.300	0.023	/
	State3&5	6		Bottom Edge	10	9400	1880	0.03	0.245	17.66	18.80	1.300	0.319	/
Ant.5	State3&5	6	RMC	Front Side	10	9400	1880	0.12	0.074	16.42	17.30	1.225	0.091	/
	State3&5	6		Back Side	10	9400	1880	0.09	0.116	16.42	17.30	1.225	0.142	/
	State3&5	6		Left Edge	10	9400	1880	0.08	0.005	16.42	17.30	1.225	0.006	/
	State3&5	6		Right Edge	10	9400	1880	-0.04	0.161	16.42	17.30	1.225	0.197	/
	State3&5	6		Top Edge	10	9400	1880	-0.19	0.015	16.42	17.30	1.225	0.018	/
	State3&5	6		Bottom Edge	10	9400	1880	-0.09	0.003	16.42	17.30	1.225	0.004	/
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.3	State2	RMC	Left Cheek	0	1312	1712.4	0.11	0.293	17.14	18.30	1.306	0.383	/	
	State2		Left Tilt	0	1312	1712.4	0.01	0.345	17.14	18.30	1.306	0.451	/	
	State2		Right Cheek	0	1312	1712.4	0.09	0.621	17.14	18.30	1.306	0.811	/	
	State2		Right Tilt	0	1312	1712.4	-0.17	0.556	17.14	18.30	1.306	0.726	/	
	State2		Right Cheek	0	1412	1732.4	-0.07	0.611	17.10	18.30	1.318	0.805	/	
	State2		Right Cheek	0	1513	1752.6	-0.05	0.644	17.13	18.30	1.309	0.843	10#	
	State4&6	RMC	Left Cheek	0	1312	1712.4	0.05	0.174	15.15	16.30	1.303	0.227	/	
	State4&6		Left Tilt	0	1312	1712.4	-0.03	0.223	15.15	16.30	1.303	0.291	/	
	State4&6		Right Cheek	0	1312	1712.4	-0.02	0.381	15.15	16.30	1.303	0.496	/	
	State4&6		Right Tilt	0	1312	1712.4	0.06	0.345	15.15	16.30	1.303	0.450	/	
	Ant.4	State2&4&6	RMC	Left Cheek	0	1312	1712.4	0.07	0.109	24.04	24.80	1.191	0.130	/
		State2&4&6		Left Tilt	0	1312	1712.4	-0.03	0.065	24.04	24.80	1.191	0.077	/
State2&4&6		Right Cheek		0	1312	1712.4	-0.06	0.129	24.04	24.80	1.191	0.154	/	
State2&4&6		Right Tilt		0	1312	1712.4	-0.09	0.058	24.04	24.80	1.191	0.069	/	
Ant.5	State2	RMC	Left Cheek	0	1312	1712.4	0.13	0.084	16.42	17.30	1.225	0.103	/	
	State2		Left Tilt	0	1312	1712.4	0.11	0.020	16.42	17.30	1.225	0.025	/	
	State2		Right Cheek	0	1312	1712.4	0.12	0.133	16.42	17.30	1.225	0.163	/	
	State2		Right Tilt	0	1312	1712.4	0.18	0.027	16.42	17.30	1.225	0.033	/	
	State4&6	RMC	Left Cheek	0	1312	1712.4	0.15	0.062	14.39	15.30	1.233	0.076	/	
	State4&6		Left Tilt	0	1312	1712.4	-0.10	0.021	14.39	15.30	1.233	0.026	/	
	State4&6		Right Cheek	0	1312	1712.4	-0.19	0.075	14.39	15.30	1.233	0.092	/	
	State4&6		Right Tilt	0	1312	1712.4	0.07	0.013	14.39	15.30	1.233	0.016	/	
Body-worn														
Ant.3	State1	RMC	Front Side	15	1312	1712.4	0.02	0.095	20.72	21.80	1.282	0.122	/	
	State1		Back Side	15	1312	1712.4	0.18	0.131	20.72	21.80	1.282	0.168	/	
	State3&5	RMC	Front Side	15	1312	1712.4	0.04	0.063	18.18	19.30	1.294	0.082	/	
	State3&5		Back Side	15	1312	1712.4	-0.13	0.086	18.18	19.30	1.294	0.111	/	
Ant.4	State1	RMC	Front Side	15	1312	1712.4	-0.04	0.111	20.21	21.30	1.285	0.143	/	
	State1		Back Side	15	1312	1712.4	-0.10	0.156	20.21	21.30	1.285	0.200	11#	
	State3&5	RMC	Front Side	15	1312	1712.4	-0.03	0.055	17.63	18.80	1.309	0.072	/	
	State3&5		Back Side	15	1312	1712.4	-0.12	0.079	17.63	18.80	1.309	0.103	/	

Ant.5	State1	RMC	Front Side	15	1312	1712.4	0.08	0.033	19.13	19.80	1.167	0.039	/
	State1		Back Side	15	1312	1712.4	0.01	0.048	19.13	19.80	1.167	0.056	/
	State3&5	RMC	Front Side	15	1312	1712.4	0.08	0.021	16.42	17.30	1.225	0.026	/
	State3&5		Back Side	15	1312	1712.4	-0.18	0.028	16.42	17.30	1.225	0.034	/
Hotspot													
Ant.3	State3&5	RMC	Front Side	10	1312	1712.4	-0.17	0.102	18.18	19.30	1.294	0.132	/
	State3&5		Back Side	10	1312	1712.4	-0.14	0.121	18.18	19.30	1.294	0.157	/
	State3&5		Left Edge	10	1312	1712.4	0.13	0.016	18.18	19.30	1.294	0.021	/
	State3&5		Right Edge	10	1312	1712.4	-0.15	0.048	18.18	19.30	1.294	0.062	/
	State3&5		Top Edge	10	1312	1712.4	0.12	0.289	18.18	19.30	1.294	0.374	12#
	State3&5		Bottom Edge	10	1312	1712.4	-0.09	0.003	18.18	19.30	1.294	0.004	/
Ant.4	State3&5	RMC	Front Side	10	1312	1712.4	0.18	0.131	17.63	18.80	1.309	0.171	/
	State3&5		Back Side	10	1312	1712.4	-0.03	0.165	17.63	18.80	1.309	0.216	/
	State3&5		Left Edge	10	1312	1712.4	0.05	0.038	17.63	18.80	1.309	0.050	/
	State3&5		Right Edge	10	1312	1712.4	-0.08	0.046	17.63	18.80	1.309	0.060	/
	State3&5		Top Edge	10	1312	1712.4	0.11	0.008	17.63	18.80	1.309	0.010	/
	State3&5		Bottom Edge	10	1312	1712.4	0.03	0.245	17.63	18.80	1.309	0.321	/
Ant.5	State3&5	RMC	Front Side	10	1312	1712.4	0.10	0.042	16.42	17.30	1.225	0.051	/
	State3&5		Back Side	10	1312	1712.4	-0.19	0.053	16.42	17.30	1.225	0.065	/
	State3&5		Left Edge	10	1312	1712.4	-0.01	0.004	16.42	17.30	1.225	0.005	/
	State3&5		Right Edge	10	1312	1712.4	0.02	0.085	16.42	17.30	1.225	0.104	/
	State3&5		Top Edge	10	1312	1712.4	-0.15	0.004	16.42	17.30	1.225	0.005	/
	State3&5		Bottom Edge	10	1312	1712.4	-0.08	0.001	16.42	17.30	1.225	0.001	/

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&4&6	RMC	Left Cheek	0	4182	836.4	0.11	0.101	23.93	24.80	1.222	0.123	/
	State2&4&6		Left Tilt	0	4182	836.4	-0.08	0.088	23.93	24.80	1.222	0.108	/
	State2&4&6		Right Cheek	0	4182	836.4	0.03	0.201	23.93	24.80	1.222	0.246	13#
	State2&4&6		Right Tilt	0	4182	836.4	-0.05	0.165	23.93	24.80	1.222	0.202	/
Ant.0	State2&4&6	RMC	Left Cheek	0	4182	836.4	-0.10	0.130	23.55	24.30	1.189	0.155	/
	State2&4&6		Left Tilt	0	4182	836.4	0.18	0.061	23.55	24.30	1.189	0.073	/
	State2&4&6		Right Cheek	0	4182	836.4	-0.02	0.122	23.55	24.30	1.189	0.145	/
	State2&4&6		Right Tilt	0	4182	836.4	-0.09	0.073	23.55	24.30	1.189	0.087	/
Body-worn													
Ant.1	State1	RMC	Front Side	15	4182	836.4	-0.12	0.016	23.93	24.80	1.222	0.020	/
	State1		Back Side	15	4182	836.4	-0.06	0.039	23.93	24.80	1.222	0.048	/
	State3&5	RMC	Front Side	15	4182	836.4	0.10	0.013	23.33	24.30	1.250	0.016	/
	State3&5		Back Side	15	4182	836.4	0.12	0.031	23.33	24.30	1.250	0.039	/
Ant.0	State1	RMC	Front Side	15	4182	836.4	0.04	0.102	23.55	24.30	1.189	0.121	/
	State1		Back Side	15	4182	836.4	-0.19	0.116	23.55	24.30	1.189	0.138	14#
	State3&5	RMC	Front Side	15	4182	836.4	-0.11	0.075	22.04	22.80	1.191	0.089	/
	State3&5		Back Side	15	4182	836.4	0.09	0.093	22.04	22.80	1.191	0.111	/
Hotspot													
Ant.1	State3&5	RMC	Front Side	10	4182	836.4	0.00	0.041	23.33	24.30	1.250	0.051	/
	State3&5		Back Side	10	4182	836.4	-0.15	0.065	23.33	24.30	1.250	0.081	/
	State3&5		Left Edge	10	4182	836.4	-0.18	0.006	23.33	24.30	1.250	0.008	/
	State3&5		Right Edge	10	4182	836.4	-0.05	0.012	23.33	24.30	1.250	0.015	/
	State3&5		Top Edge	10	4182	836.4	-0.06	0.041	23.33	24.30	1.250	0.051	/
	State3&5		Bottom Edge	10	4182	836.4	-0.07	0.002	23.33	24.30	1.250	0.003	/
Ant.0	State3&5	RMC	Front Side	10	4182	836.4	-0.10	0.073	22.04	22.80	1.191	0.087	/
	State3&5		Back Side	10	4182	836.4	-0.12	0.140	22.04	22.80	1.191	0.167	15#
	State3&5		Left Edge	10	4182	836.4	0.09	0.055	22.04	22.80	1.191	0.066	/
	State3&5		Right Edge	10	4182	836.4	-0.06	0.028	22.04	22.80	1.191	0.033	/
	State3&5		Top Edge	10	4182	836.4	-0.18	0.001	22.04	22.80	1.191	0.001	/
	State3&5		Bottom Edge	10	4182	836.4	0.16	0.052	22.04	22.80	1.191	0.062	/

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.3	State2	QPSK	Left Cheek	0	19100	1900	1	Mid	-0.12	0.311	17.84	18.80	1.247	0.388	/
	State2		Left Cheek	0	19100	1900	50	Low	-0.14	0.306	17.88	18.80	1.236	0.378	/
	State2		Left Tilt	0	19100	1900	1	Mid	-0.03	0.363	17.84	18.80	1.247	0.453	/
	State2		Left Tilt	0	19100	1900	50	Low	0.10	0.355	17.88	18.80	1.236	0.439	/
	State2		Right Cheek	0	19100	1900	1	Mid	-0.19	0.657	17.84	18.80	1.247	0.819	16#
	State2		Right Cheek	0	19100	1900	50	Low	-0.02	0.644	17.88	18.80	1.236	0.796	/
	State2		Right Tilt	0	19100	1900	1	Mid	0.02	0.556	17.84	18.80	1.247	0.693	/
	State2		Right Tilt	0	19100	1900	50	Low	0.19	0.545	17.88	18.80	1.236	0.674	/
	State2		Right Cheek	0	18700	1880	1	Mid	-0.06	0.623	17.77	18.80	1.268	0.790	/
	State2		Right Cheek	0	18900	1900	1	Mid	-0.04	0.611	17.72	18.80	1.282	0.783	/
	State2	Right Cheek	0	19100	1900	100	Low	0.17	0.588	17.79	18.80	1.262	0.742	/	
	State4&6	QPSK	Left Cheek	0	19100	1900	1	Mid	0.03	0.196	15.83	16.80	1.250	0.245	/
	State4&6		Left Cheek	0	19100	1900	50	Low	0.02	0.193	15.87	16.80	1.239	0.239	/
	State4&6		Left Tilt	0	19100	1900	1	Mid	0.19	0.229	15.83	16.80	1.250	0.286	/
	State4&6		Left Tilt	0	19100	1900	50	Low	-0.04	0.224	15.87	16.80	1.239	0.278	/
	State4&6		Right Cheek	0	19100	1900	1	Mid	-0.03	0.415	15.83	16.80	1.250	0.518	/
	State4&6		Right Cheek	0	19100	1900	50	Low	-0.08	0.406	15.87	16.80	1.239	0.503	/
	State4&6		Right Tilt	0	19100	1900	1	Mid	-0.16	0.351	15.83	16.80	1.250	0.439	/
	State4&6		Right Tilt	0	19100	1900	50	Low	-0.01	0.344	15.87	16.80	1.239	0.426	/
	Ant.4	State2&4&6	QPSK	Left Cheek	0	18900	1880	1	Mid	-0.15	0.098	23.70	24.30	1.148	0.113
State2&4&6		Left Cheek		0	18900	1880	50	Mid	-0.16	0.077	22.75	23.30	1.135	0.087	/
State2&4&6		Left Tilt		0	18900	1880	1	Mid	0.00	0.071	23.70	24.30	1.148	0.082	/
State2&4&6		Left Tilt		0	18900	1880	50	Mid	-0.08	0.054	22.75	23.30	1.135	0.061	/
State2&4&6		Right Cheek		0	18900	1880	1	Mid	0.17	0.109	23.70	24.30	1.148	0.125	/
State2&4&6		Right Cheek		0	18900	1880	50	Mid	0.12	0.089	22.75	23.30	1.135	0.101	/
State2&4&6		Right Tilt		0	18900	1880	1	Mid	0.13	0.052	23.70	24.30	1.148	0.060	/
State2&4&6		Right Tilt		0	18900	1880	50	Mid	-0.03	0.043	22.75	23.30	1.135	0.049	/
Ant.5	State2	QPSK	Left Cheek	0	18900	1880	1	High	-0.07	0.243	17.88	18.30	1.102	0.268	/
	State2		Left Cheek	0	18900	1880	50	Low	0.09	0.223	17.89	18.30	1.099	0.245	/
	State2		Left Tilt	0	18900	1880	1	High	-0.08	0.054	17.88	18.30	1.102	0.060	/
	State2		Left Tilt	0	18900	1880	50	Low	-0.02	0.052	17.89	18.30	1.099	0.057	/

	State2		Right Cheek	0	18900	1880	1	High	-0.01	0.405	17.88	18.30	1.102	0.446	/	
	State2		Right Cheek	0	18900	1880	50	Low	0.17	0.399	17.89	18.30	1.099	0.439	/	
	State2		Right Tilt	0	18900	1880	1	High	0.02	0.081	17.88	18.30	1.102	0.089	/	
	State2		Right Tilt	0	18900	1880	50	Low	-0.11	0.078	17.89	18.30	1.099	0.086	/	
	State4&6	QPSK	Left Cheek	0	18900	1880	1	Mid	0.15	0.151	15.03	15.80	1.194	0.180	/	
	State4&6		Left Cheek	0	18900	1880	50	Low	-0.11	0.148	15.10	15.80	1.175	0.174	/	
	State4&6		Left Tilt	0	18900	1880	1	Mid	-0.12	0.034	15.03	15.80	1.194	0.041	/	
	State4&6		Left Tilt	0	18900	1880	50	Low	0.12	0.032	15.10	15.80	1.175	0.038	/	
	State4&6		Right Cheek	0	18900	1880	1	Mid	0.06	0.271	15.03	15.80	1.194	0.324	/	
	State4&6		Right Cheek	0	18900	1880	50	Low	-0.11	0.266	15.10	15.80	1.175	0.313	/	
	State4&6		Right Tilt	0	18900	1880	1	Mid	-0.05	0.055	15.03	15.80	1.194	0.066	/	
	State4&6		Right Tilt	0	18900	1880	50	Low	-0.05	0.053	15.10	15.80	1.175	0.062	/	
	Body-worn															
	Ant.3	State1	QPSK	Front Side	15	19100	1900	1	Mid	0.09	0.081	21.82	22.80	1.253	0.101	/
State1		Front Side		15	19100	1900	50	Low	-0.15	0.078	21.91	22.80	1.227	0.096	/	
State1		Back Side		15	19100	1900	1	Mid	0.15	0.116	21.82	22.80	1.253	0.145	/	
State1		Back Side		15	19100	1900	50	Low	-0.05	0.113	21.91	22.80	1.227	0.139	/	
State3&5		QPSK	Front Side	15	19100	1900	1	Mid	0.14	0.048	19.94	20.80	1.219	0.059	/	
State3&5			Front Side	15	19100	1900	50	Low	-0.02	0.046	19.95	20.80	1.216	0.056	/	
State3&5			Back Side	15	19100	1900	1	Mid	0.15	0.075	19.94	20.80	1.219	0.091	/	
State3&5			Back Side	15	19100	1900	50	Low	-0.01	0.077	19.95	20.80	1.216	0.094	/	
Ant.4	State1	QPSK	Front Side	15	19100	1900	1	Mid	0.04	0.102	20.36	21.30	1.242	0.127	/	
	State1		Front Side	15	19100	1900	50	Low	-0.07	0.100	20.42	21.30	1.225	0.123	/	
	State1		Back Side	15	19100	1900	1	Mid	-0.08	0.155	20.36	21.30	1.242	0.193	17#	
	State1		Back Side	15	19100	1900	50	Low	-0.15	0.144	20.42	21.30	1.225	0.176	/	
	State3&5	QPSK	Front Side	15	19100	1900	1	Mid	0.10	0.063	17.85	18.80	1.245	0.078	/	
	State3&5		Front Side	15	19100	1900	50	Low	0.05	0.051	17.89	18.80	1.233	0.063	/	
	State3&5		Back Side	15	19100	1900	1	Mid	-0.09	0.078	17.85	18.80	1.245	0.097	/	
	State3&5		Back Side	15	19100	1900	50	Low	-0.11	0.076	17.89	18.80	1.233	0.094	/	
Ant.5	State1	QPSK	Front Side	15	19100	1900	1	Mid	0.14	0.052	19.08	19.80	1.180	0.061	/	
	State1		Front Side	15	19100	1900	50	Low	0.05	0.049	19.14	19.80	1.164	0.057	/	
	State1		Back Side	15	19100	1900	1	Mid	0.19	0.074	19.08	19.80	1.180	0.087	/	
	State1		Back Side	15	19100	1900	50	Low	-0.08	0.076	19.14	19.85	1.178	0.090	/	
	State3&5	QPSK	Front Side	15	19100	1900	1	Mid	0.16	0.033	16.60	17.30	1.175	0.039	/	
	State3&5		Front Side	15	19100	1900	50	Low	-0.08	0.031	16.63	17.30	1.167	0.036	/	
	State3&5		Back Side	15	19100	1900	1	Mid	0.08	0.045	16.60	17.30	1.175	0.053	/	
	State3&5		Back Side	15	19100	1900	50	Low	0.07	0.044	16.63	17.30	1.167	0.051	/	

Hotspot															
Ant.3	State3&5	QPSK	Front Side	10	19100	1900	1	Mid	-0.05	0.141	19.94	20.80	1.219	0.172	/
	State3&5		Front Side	10	19100	1900	50	Low	0.11	0.138	19.94	20.80	1.219	0.168	/
	State3&5		Back Side	10	19100	1900	1	Mid	0.11	0.185	19.94	20.80	1.219	0.226	/
	State3&5		Back Side	10	19100	1900	50	Low	0.01	0.188	19.94	20.80	1.219	0.229	/
	State3&5		Left Edge	10	19100	1900	1	Mid	0.19	0.028	19.94	20.80	1.219	0.034	/
	State3&5		Left Edge	10	19100	1900	50	Low	-0.09	0.026	19.94	20.80	1.219	0.032	/
	State3&5		Right Edge	10	19100	1900	1	Mid	-0.04	0.123	19.94	20.80	1.219	0.150	/
	State3&5		Right Edge	10	19100	1900	50	Low	-0.12	0.126	19.94	20.80	1.219	0.154	/
	State3&5		Top Edge	10	19100	1900	1	Mid	0.12	0.239	19.94	20.80	1.219	0.291	/
	State3&5		Top Edge	10	19100	1900	50	Low	-0.10	0.224	19.94	20.80	1.219	0.273	/
	State3&5		Bottom Edge	10	19100	1900	1	Mid	-0.03	0.013	19.94	20.80	1.219	0.016	/
	State3&5		Bottom Edge	10	19100	1900	50	Low	0.07	0.014	19.94	20.80	1.219	0.017	/
Ant.4	State3&5	QPSK	Front Side	10	19100	1900	1	Mid	-0.12	0.095	17.85	18.80	1.245	0.118	/
	State3&5		Front Side	10	19100	1900	50	Low	-0.10	0.091	17.89	18.80	1.233	0.112	/
	State3&5		Back Side	10	19100	1900	1	Mid	-0.18	0.175	17.85	18.80	1.245	0.218	/
	State3&5		Back Side	10	19100	1900	50	Low	0.11	0.178	17.89	18.80	1.233	0.219	/
	State3&5		Left Edge	10	19100	1900	1	Mid	0.10	0.023	17.85	18.80	1.245	0.029	/
	State3&5		Left Edge	10	19100	1900	50	Low	0.19	0.021	17.89	18.80	1.233	0.026	/
	State3&5		Right Edge	10	19100	1900	1	Mid	-0.05	0.041	17.85	18.80	1.245	0.051	/
	State3&5		Right Edge	10	19100	1900	50	Low	0.00	0.043	17.89	18.80	1.233	0.053	/
	State3&5		Top Edge	10	19100	1900	1	Mid	-0.09	0.010	17.85	18.80	1.245	0.012	/
	State3&5		Top Edge	10	19100	1900	50	Low	-0.19	0.011	17.89	18.80	1.233	0.014	/
	State3&5		Bottom Edge	10	19100	1900	1	Mid	0.14	0.289	17.85	18.80	1.245	0.360	18#
	State3&5		Bottom Edge	10	19100	1900	50	Low	-0.17	0.266	17.89	18.80	1.233	0.328	/
Ant.5	State3&5	QPSK	Front Side	10	19100	1900	1	Mid	-0.02	0.072	16.60	17.30	1.175	0.085	/
	State3&5		Front Side	10	19100	1900	50	Low	0.15	0.074	16.63	17.30	1.167	0.086	/
	State3&5		Back Side	10	19100	1900	1	Mid	-0.13	0.116	16.60	17.30	1.175	0.136	/
	State3&5		Back Side	10	19100	1900	50	Low	0.01	0.118	16.63	17.30	1.167	0.138	/
	State3&5		Left Edge	10	19100	1900	1	Mid	0.02	0.021	16.60	17.30	1.175	0.025	/
	State3&5		Left Edge	10	19100	1900	50	Low	-0.12	0.020	16.63	17.30	1.167	0.023	/
	State3&5		Right Edge	10	19100	1900	1	Mid	-0.08	0.195	16.60	17.30	1.175	0.229	/
	State3&5		Right Edge	10	19100	1900	50	Low	0.05	0.191	16.63	17.30	1.167	0.223	/
	State3&5		Top Edge	10	19100	1900	1	Mid	-0.16	0.015	16.60	17.30	1.175	0.018	/
	State3&5		Top Edge	10	19100	1900	50	Low	-0.16	0.016	16.63	17.30	1.167	0.019	/
	State3&5		Bottom Edge	10	19100	1900	1	Mid	0.13	0.007	16.60	17.30	1.175	0.008	/
	State3&5		Bottom Edge	10	19100	1900	50	Low	0.09	0.008	16.63	17.30	1.167	0.009	/

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.4	State1	QPSK	Bottom Edge	0	19100	1900	1	Mid	-0.15	1.190	20.36	21.30	1.242	1.478	19#
	State1		Bottom Edge	0	19100	1900	50	Low	0.11	1.150	20.36	21.30	1.242	1.428	/

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.3	State2	QPSK	Left Cheek	0	20175	1732.5	1	Mid	0.02	0.313	17.36	18.30	1.242	0.389	/
	State2		Left Cheek	0	20175	1732.5	50	Low	-0.03	0.311	17.35	18.30	1.245	0.387	/
	State2		Left Tilt	0	20175	1732.5	1	Mid	0.11	0.374	17.36	18.30	1.242	0.465	/
	State2		Left Tilt	0	20175	1732.5	50	Low	0.10	0.365	17.35	18.30	1.245	0.454	/
	State2		Right Cheek	0	20175	1732.5	1	Mid	-0.11	0.557	17.36	18.30	1.242	0.692	20#
	State2		Right Cheek	0	20175	1732.5	50	Low	-0.10	0.541	17.35	18.30	1.245	0.674	/
	State2		Right Tilt	0	20175	1732.5	1	Mid	-0.13	0.536	17.36	18.30	1.242	0.666	/
	State2		Right Tilt	0	20175	1732.5	50	Low	0.08	0.532	17.35	18.30	1.245	0.662	/
	State4&6	QPSK	Left Cheek	0	20175	1732.5	1	Mid	-0.05	0.235	15.81	16.80	1.256	0.295	/
	State4&6		Left Cheek	0	20175	1732.5	50	Low	-0.05	0.231	15.80	16.80	1.259	0.291	/
	State4&6		Left Tilt	0	20175	1732.5	1	Mid	-0.18	0.288	15.81	16.80	1.256	0.362	/
	State4&6		Left Tilt	0	20175	1732.5	50	Low	0.11	0.274	15.80	16.80	1.259	0.345	/
	State4&6		Right Cheek	0	20175	1732.5	1	Mid	0.19	0.384	15.81	16.80	1.256	0.482	/
	State4&6		Right Cheek	0	20175	1732.5	50	Low	0.04	0.383	15.80	16.80	1.259	0.482	/
State4&6	Right Tilt		0	20175	1732.5	1	Mid	-0.14	0.365	15.81	16.80	1.256	0.458	/	
State4&6	Right Tilt		0	20175	1732.5	50	Low	-0.08	0.362	15.80	16.80	1.259	0.456	/	
Ant.4	State2&4&6	QPSK	Left Cheek	0	20175	1732.5	1	Mid	0.02	0.096	23.71	24.30	1.146	0.110	/
	State2&4&6		Left Cheek	0	20175	1732.5	50	Mid	0.13	0.091	22.75	23.30	1.135	0.103	/
	State2&4&6		Left Tilt	0	20175	1732.5	1	Mid	0.06	0.056	23.71	24.30	1.146	0.064	/
	State2&4&6		Left Tilt	0	20175	1732.5	50	Mid	-0.11	0.061	22.75	23.30	1.135	0.069	/
	State2&4&6		Right Cheek	0	20175	1732.5	1	Mid	-0.01	0.112	23.71	24.30	1.146	0.128	/
	State2&4&6		Right Cheek	0	20175	1732.5	50	Mid	0.04	0.111	22.75	23.30	1.135	0.126	/
	State2&4&6		Right Tilt	0	20175	1732.5	1	Mid	0.18	0.045	23.71	24.30	1.146	0.052	/
	State2&4&6		Right Tilt	0	20175	1732.5	50	Mid	0.12	0.048	22.75	23.30	1.135	0.054	/
Ant.5	State2	QPSK	Left Cheek	0	20175	1732.5	1	Mid	0.13	0.336	22.27	22.80	1.130	0.380	/
	State2		Left Cheek	0	20175	1732.5	50	Low	0.09	0.332	21.30	21.80	1.122	0.373	/
	State2		Left Tilt	0	20175	1732.5	1	Mid	0.16	0.074	22.27	22.80	1.130	0.084	/
	State2		Left Tilt	0	20175	1732.5	50	Low	0.02	0.076	21.30	21.80	1.122	0.085	/
	State2		Right Cheek	0	20175	1732.5	1	Mid	-0.02	0.554	22.27	22.80	1.130	0.626	/
	State2		Right Cheek	0	20175	1732.5	50	Low	-0.08	0.545	21.30	21.80	1.122	0.611	/
	State2		Right Tilt	0	20175	1732.5	1	Mid	-0.12	0.112	22.27	22.80	1.130	0.127	/

	State2		Right Tilt	0	20175	1732.5	50	Low	-0.04	0.115	21.30	21.80	1.122	0.129	/
	State4&6	QPSK	Left Cheek	0	20175	1732.5	1	Mid	-0.03	0.245	20.79	21.30	1.125	0.276	/
	State4&6		Left Cheek	0	20175	1732.5	50	Low	0.06	0.244	20.83	21.30	1.114	0.272	/
	State4&6		Left Tilt	0	20175	1732.5	1	Mid	-0.14	0.053	20.79	21.30	1.125	0.060	/
	State4&6		Left Tilt	0	20175	1732.5	50	Low	-0.06	0.051	20.83	21.30	1.114	0.057	/
	State4&6		Right Cheek	0	20175	1732.5	1	Mid	-0.08	0.388	20.79	21.30	1.125	0.437	/
	State4&6		Right Cheek	0	20175	1732.5	50	Low	0.03	0.384	20.83	21.30	1.114	0.428	/
	State4&6		Right Tilt	0	20175	1732.5	1	Mid	-0.05	0.074	20.79	21.30	1.125	0.083	/
	State4&6		Right Tilt	0	20175	1732.5	50	Low	0.16	0.068	20.83	21.30	1.114	0.076	/
Body-worn															
Ant.3	State1	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.06	0.131	21.81	22.80	1.256	0.165	/
	State1		Front Side	15	20175	1732.5	50	Low	-0.17	0.122	21.84	22.80	1.247	0.152	/
	State1		Back Side	15	20175	1732.5	1	Mid	0.05	0.168	21.81	22.80	1.256	0.211	21#
	State1		Back Side	15	20175	1732.5	50	Low	0.08	0.156	21.84	22.80	1.247	0.195	/
	State3&5	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.14	0.071	19.42	20.30	1.225	0.087	/
	State3&5		Front Side	15	20175	1732.5	50	Low	-0.10	0.068	19.40	20.30	1.230	0.084	/
	State3&5		Back Side	15	20175	1732.5	1	Mid	0.10	0.095	19.42	20.30	1.225	0.116	/
	State3&5		Back Side	15	20175	1732.5	50	Low	-0.17	0.091	19.40	20.30	1.230	0.112	/
Ant.4	State1	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.15	0.116	20.40	21.30	1.230	0.143	/
	State1		Front Side	15	20175	1732.5	50	Low	-0.17	0.108	20.39	21.30	1.233	0.133	/
	State1		Back Side	15	20175	1732.5	1	Mid	0.19	0.156	20.40	21.30	1.230	0.192	/
	State1		Back Side	15	20175	1732.5	50	Low	-0.01	0.146	20.39	21.30	1.233	0.180	/
	State3&5	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.14	0.074	17.86	18.80	1.242	0.092	/
	State3&5		Front Side	15	20175	1732.5	50	Low	0.02	0.068	17.86	18.80	1.242	0.084	/
	State3&5		Back Side	15	20175	1732.5	1	Mid	-0.15	0.085	17.86	18.80	1.242	0.106	/
	State3&5		Back Side	15	20175	1732.5	50	Low	-0.15	0.078	17.86	18.80	1.242	0.097	/
Ant.5	State1	QPSK	Front Side	15	20175	1732.5	1	Mid	0.10	0.065	21.25	21.80	1.135	0.074	/
	State1		Front Side	15	20175	1732.5	50	Low	-0.06	0.063	21.32	21.80	1.117	0.070	/
	State1		Back Side	15	20175	1732.5	1	Mid	-0.09	0.084	21.25	21.80	1.135	0.095	/
	State1		Back Side	15	20175	1732.5	50	Low	0.05	0.076	21.32	21.80	1.117	0.085	/
	State3&5	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.13	0.041	18.76	19.30	1.132	0.046	/
	State3&5		Front Side	15	20175	1732.5	50	Low	-0.05	0.038	18.77	19.30	1.130	0.043	/
	State3&5		Back Side	15	20175	1732.5	1	Mid	-0.02	0.045	18.76	19.30	1.132	0.051	/
	State3&5		Back Side	15	20175	1732.5	50	Low	0.02	0.043	18.77	19.30	1.130	0.049	/
Hotspot															
Ant.3	State3&5	QPSK	Front Side	10	20175	1732.5	1	Mid	0.07	0.153	19.42	20.30	1.225	0.187	/
	State3&5		Front Side	10	20175	1732.5	50	Low	-0.02	0.151	19.40	20.30	1.230	0.186	/

	State3&5		Back Side	10	20175	1732.5	1	Mid	0.07	0.182	19.42	20.30	1.225	0.223	/
	State3&5		Back Side	10	20175	1732.5	50	Low	0.07	0.179	19.40	20.30	1.230	0.220	/
	State3&5		Left Edge	10	20175	1732.5	1	Mid	-0.01	0.021	19.42	20.30	1.225	0.026	/
	State3&5		Left Edge	10	20175	1732.5	50	Low	-0.08	0.023	19.40	20.30	1.230	0.028	/
	State3&5		Right Edge	10	20175	1732.5	1	Mid	-0.16	0.062	19.42	20.30	1.225	0.076	/
	State3&5		Right Edge	10	20175	1732.5	50	Low	-0.02	0.065	19.40	20.30	1.230	0.080	/
	State3&5		Top Edge	10	20175	1732.5	1	Mid	-0.11	0.361	19.42	20.30	1.225	0.442	/
	State3&5		Top Edge	10	20175	1732.5	50	Low	0.15	0.372	19.40	20.30	1.230	0.458	22#
	State3&5		Bottom Edge	10	20175	1732.5	1	Mid	0.06	0.013	19.42	20.30	1.225	0.016	/
	State3&5		Bottom Edge	10	20175	1732.5	50	Low	0.12	0.012	19.40	20.30	1.230	0.015	/
Ant.4	State3&5	QPSK	Front Side	10	20175	1732.5	1	Mid	-0.18	0.128	17.86	18.80	1.242	0.159	/
	State3&5		Front Side	10	20175	1732.5	50	Low	0.05	0.131	17.86	18.80	1.242	0.163	/
	State3&5		Back Side	10	20175	1732.5	1	Mid	-0.16	0.185	17.86	18.80	1.242	0.230	/
	State3&5		Back Side	10	20175	1732.5	50	Low	-0.01	0.183	17.86	18.80	1.242	0.227	/
	State3&5		Left Edge	10	20175	1732.5	1	Mid	-0.06	0.035	17.86	18.80	1.242	0.043	/
	State3&5		Left Edge	10	20175	1732.5	50	Low	0.14	0.031	17.86	18.80	1.242	0.039	/
	State3&5		Right Edge	10	20175	1732.5	1	Mid	-0.18	0.042	17.86	18.80	1.242	0.052	/
	State3&5		Right Edge	10	20175	1732.5	50	Low	0.08	0.046	17.86	18.80	1.242	0.057	/
	State3&5		Top Edge	10	20175	1732.5	1	Mid	-0.16	0.011	17.86	18.80	1.242	0.014	/
	State3&5		Top Edge	10	20175	1732.5	50	Low	-0.13	0.016	17.86	18.80	1.242	0.020	/
	State3&5		Bottom Edge	10	20175	1732.5	1	Mid	-0.17	0.236	17.86	18.80	1.242	0.293	/
	State3&5		Bottom Edge	10	20175	1732.5	50	Low	0.17	0.233	17.86	18.80	1.242	0.289	/
Ant.5	State3&5	QPSK	Front Side	10	20175	1732.5	1	Mid	-0.15	0.075	18.76	19.30	1.132	0.085	/
	State3&5		Front Side	10	20175	1732.5	50	Low	0.08	0.071	18.77	19.30	1.130	0.080	/
	State3&5		Back Side	10	20175	1732.5	1	Mid	0.04	0.126	18.76	19.30	1.132	0.143	/
	State3&5		Back Side	10	20175	1732.5	50	Low	-0.04	0.125	18.77	19.30	1.130	0.141	/
	State3&5		Left Edge	10	20175	1732.5	1	Mid	-0.02	0.006	18.76	19.30	1.132	0.007	/
	State3&5		Left Edge	10	20175	1732.5	50	Low	0.04	0.008	18.77	19.30	1.130	0.009	/
	State3&5		Right Edge	10	20175	1732.5	1	Mid	0.10	0.176	18.76	19.30	1.132	0.199	/
	State3&5		Right Edge	10	20175	1732.5	50	Low	-0.06	0.168	18.77	19.30	1.130	0.190	/
	State3&5		Top Edge	10	20175	1732.5	1	Mid	-0.07	0.021	18.76	19.30	1.132	0.024	/
	State3&5		Top Edge	10	20175	1732.5	50	Low	0.06	0.018	18.77	19.30	1.130	0.020	/
	State3&5		Bottom Edge	10	20175	1732.5	1	Mid	-0.15	0.007	18.76	19.30	1.132	0.008	/
	State3&5		Bottom Edge	10	20175	1732.5	50	Low	-0.09	0.006	18.77	19.30	1.130	0.007	/
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&4&6	QPSK	Left Cheek	0	20525	836.5	1	Mid	0.08	0.078	23.98	24.80	1.208	0.094	/
	State2&4&6		Left Cheek	0	20525	836.5	25	High	-0.12	0.065	23.01	23.80	1.199	0.078	/
	State2&4&6		Left Tilt	0	20525	836.5	1	Mid	-0.13	0.076	23.98	24.80	1.208	0.092	/
	State2&4&6		Left Tilt	0	20525	836.5	25	High	0.17	0.056	23.01	23.80	1.199	0.067	/
	State2&4&6		Right Cheek	0	20525	836.5	1	Mid	-0.15	0.192	23.98	24.80	1.208	0.232	23#
	State2&4&6		Right Cheek	0	20525	836.5	25	High	-0.18	0.174	23.01	23.80	1.199	0.209	/
	State2&4&6		Right Tilt	0	20525	836.5	1	Mid	0.19	0.161	23.98	24.80	1.208	0.194	/
	State2&4&6		Right Tilt	0	20525	836.5	25	High	-0.08	0.143	23.01	23.80	1.199	0.171	/
Ant.0 ENDC	State2&4&6	QPSK	Left Cheek	0	20525	836.5	1	Mid	0.02	0.152	24.11	24.50	1.094	0.166	/
	State2&4&6		Left Cheek	0	20525	836.5	25	High	0.14	0.125	23.08	23.50	1.102	0.138	/
	State2&4&6		Left Tilt	0	20525	836.5	1	Mid	0.09	0.071	24.11	24.50	1.094	0.078	/
	State2&4&6		Left Tilt	0	20525	836.5	25	High	0.04	0.059	23.08	23.50	1.102	0.065	/
	State2&4&6		Right Cheek	0	20525	836.5	1	Mid	-0.06	0.147	24.11	24.50	1.094	0.161	/
	State2&4&6		Right Cheek	0	20525	836.5	25	High	-0.13	0.119	23.08	23.50	1.102	0.131	/
	State2&4&6		Right Tilt	0	20525	836.5	1	Mid	0.14	0.086	24.11	24.50	1.094	0.094	/
	State2&4&6		Right Tilt	0	20525	836.5	25	High	0.08	0.071	23.08	23.50	1.102	0.078	/
Ant.0	State2&4&6	QPSK	Left Cheek	0	20525	836.5	1	Mid	-0.13	0.137	23.61	24.30	1.172	0.161	/
	State2&4&6		Left Cheek	0	20525	836.5	25	High	-0.18	0.112	22.63	23.30	1.167	0.131	/
	State2&4&6		Left Tilt	0	20525	836.5	1	Mid	0.17	0.064	23.61	24.30	1.172	0.075	/
	State2&4&6		Left Tilt	0	20525	836.5	25	High	-0.18	0.051	22.63	23.30	1.167	0.060	/
	State2&4&6		Right Cheek	0	20525	836.5	1	Mid	-0.04	0.137	23.61	24.30	1.172	0.161	/
	State2&4&6		Right Cheek	0	20525	836.5	25	High	-0.09	0.104	22.63	23.30	1.167	0.121	/
	State2&4&6		Right Tilt	0	20525	836.5	1	Mid	-0.18	0.079	23.61	24.30	1.172	0.093	/
	State2&4&6		Right Tilt	0	20525	836.5	25	High	0.17	0.064	22.63	23.30	1.167	0.075	/
Body-worn															
Ant.1	State1&3&5	QPSK	Front Side	15	20525	836.5	1	Mid	0.02	0.023	23.98	24.80	1.208	0.028	/
	State1&3&5		Front Side	15	20525	836.5	25	High	0.03	0.015	23.01	23.80	1.199	0.018	/
	State1&3&5		Back Side	15	20525	836.5	1	Mid	-0.05	0.046	23.98	24.80	1.208	0.056	/
	State1&3&5		Back Side	15	20525	836.5	25	High	-0.06	0.033	23.01	23.80	1.199	0.040	/
Ant.0 ENDC	State1&3&5	QPSK	Front Side	15	20525	836.5	1	Mid	0.12	0.106	24.11	24.50	1.094	0.116	/
State1&3&5	Front Side		15	20525	836.5	25	High	0.06	0.086	23.08	23.50	1.102	0.095	/	

	State1&3&5		Back Side	15	20525	836.5	1	Mid	-0.05	0.126	24.11	24.50	1.094	0.138	24#
	State1&3&5		Back Side	15	20525	836.5	25	High	0.15	0.101	23.08	23.50	1.102	0.111	/
Ant.0	State1&3&5	QPSK	Front Side	15	20525	836.5	1	Mid	0.05	0.105	23.61	24.30	1.172	0.123	/
	State1&3&5		Front Side	15	20525	836.5	25	High	0.01	0.082	22.63	23.30	1.167	0.096	/
	State1&3&5		Back Side	15	20525	836.5	1	Mid	-0.01	0.115	23.61	24.30	1.172	0.135	/
	State1&3&5		Back Side	15	20525	836.5	25	High	0.05	0.093	22.63	23.30	1.167	0.109	/
Hotspot															
Ant.1	State3&5	QPSK	Front Side	10	20525	836.5	1	Mid	-0.11	0.051	23.98	24.80	1.208	0.062	/
	State3&5		Front Side	10	20525	836.5	25	High	-0.12	0.032	23.01	23.80	1.199	0.038	/
	State3&5		Back Side	10	20525	836.5	1	Mid	0.19	0.075	23.98	24.80	1.208	0.091	/
	State3&5		Back Side	10	20525	836.5	25	High	0.09	0.057	23.01	23.80	1.199	0.068	/
	State3&5		Left Edge	10	20525	836.5	1	Mid	0.18	0.026	23.98	24.80	1.208	0.031	/
	State3&5		Left Edge	10	20525	836.5	25	High	-0.04	0.016	23.01	23.80	1.199	0.019	/
	State3&5		Right Edge	10	20525	836.5	1	Mid	-0.07	0.046	23.98	24.80	1.208	0.056	/
	State3&5		Right Edge	10	20525	836.5	25	High	-0.04	0.031	23.01	23.80	1.199	0.037	/
	State3&5		Top Edge	10	20525	836.5	1	Mid	-0.07	0.054	23.98	24.80	1.208	0.065	/
	State3&5		Top Edge	10	20525	836.5	25	High	-0.02	0.038	23.01	23.80	1.199	0.046	/
	State3&5		Bottom Edge	10	20525	836.5	1	Mid	0.11	0.011	23.98	24.80	1.208	0.013	/
	State3&5		Bottom Edge	10	20525	836.5	25	High	-0.15	0.008	23.01	23.80	1.199	0.010	/
Ant.0 ENDC	State3&5	QPSK	Front Side	10	20525	836.5	1	Mid	-0.11	0.156	24.11	24.50	1.094	0.171	/
	State3&5		Front Side	10	20525	836.5	25	High	-0.12	0.131	23.08	23.50	1.102	0.144	/
	State3&5		Back Side	10	20525	836.5	1	Mid	-0.10	0.192	24.11	24.50	1.094	0.210	25#
	State3&5		Back Side	10	20525	836.5	25	High	0.12	0.165	23.08	23.50	1.102	0.182	/
	State3&5		Left Edge	10	20525	836.5	1	Mid	0.18	0.145	24.11	24.50	1.094	0.159	/
	State3&5		Left Edge	10	20525	836.5	25	High	0.06	0.123	23.08	23.50	1.102	0.136	/
	State3&5		Right Edge	10	20525	836.5	1	Mid	0.08	0.061	24.11	24.50	1.094	0.067	/
	State3&5		Right Edge	10	20525	836.5	25	High	-0.09	0.048	23.08	23.50	1.102	0.053	/
	State3&5		Top Edge	10	20525	836.5	1	Mid	-0.11	0.013	24.11	24.50	1.094	0.014	/
	State3&5		Top Edge	10	20525	836.5	25	High	-0.15	0.009	23.08	23.50	1.102	0.010	/
	State3&5		Bottom Edge	10	20525	836.5	1	Mid	0.14	0.102	24.11	24.50	1.094	0.112	/
	State3&5		Bottom Edge	10	20525	836.5	25	High	0.09	0.083	23.08	23.50	1.102	0.091	/
Ant.0	State3&5	QPSK	Front Side	10	20525	836.5	1	Mid	-0.11	0.144	23.61	24.30	1.172	0.169	/
	State3&5		Front Side	10	20525	836.5	25	High	-0.12	0.122	22.63	23.30	1.167	0.142	/
	State3&5		Back Side	10	20525	836.5	1	Mid	-0.10	0.178	23.61	24.30	1.172	0.209	/
	State3&5		Back Side	10	20525	836.5	25	High	0.12	0.156	22.63	23.30	1.167	0.182	/
	State3&5		Left Edge	10	20525	836.5	1	Mid	0.18	0.132	23.61	24.30	1.172	0.155	/
	State3&5		Left Edge	10	20525	836.5	25	High	0.06	0.115	22.63	23.30	1.167	0.134	/

State3&5		Right Edge	10	20525	836.5	1	Mid	0.08	0.058	23.61	24.30	1.172	0.068	/
State3&5		Right Edge	10	20525	836.5	25	High	-0.09	0.045	22.63	23.30	1.167	0.053	/
State3&5		Top Edge	10	20525	836.5	1	Mid	-0.11	0.012	23.61	24.30	1.172	0.014	/
State3&5		Top Edge	10	20525	836.5	25	High	-0.15	0.009	22.63	23.30	1.167	0.011	/
State3&5		Bottom Edge	10	20525	836.5	1	Mid	0.14	0.098	23.61	24.30	1.172	0.115	/
State3&5		Bottom Edge	10	20525	836.5	25	High	0.09	0.080	22.63	23.30	1.167	0.093	/

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.3	State2	QPSK	Left Cheek	0	21100	2535	1	Mid	0.14	0.313	15.64	16.80	1.306	0.409	/
	State2		Left Cheek	0	21100	2535	50	Low	-0.01	0.306	15.69	16.80	1.291	0.395	/
	State2		Left Tilt	0	21100	2535	1	Mid	0.07	0.411	15.64	16.80	1.306	0.537	/
	State2		Left Tilt	0	21100	2535	50	Low	-0.18	0.403	15.69	16.80	1.291	0.520	/
	State2		Right Cheek	0	21100	2535	1	Mid	-0.15	0.589	15.64	16.80	1.306	0.769	26#
	State2		Right Cheek	0	21100	2535	50	Low	0.04	0.556	15.69	16.80	1.291	0.718	/
	State2		Right Tilt	0	21100	2535	1	Mid	0.01	0.543	15.64	16.80	1.306	0.709	/
	State2		Right Tilt	0	21100	2535	50	Low	-0.13	0.536	15.69	16.80	1.291	0.692	/
	State4&6	QPSK	Left Cheek	0	21100	2535	1	Mid	-0.13	0.186	13.64	14.80	1.306	0.243	/
	State4&6		Left Cheek	0	21100	2535	50	Low	-0.09	0.181	13.67	14.80	1.297	0.235	/
	State4&6		Left Tilt	0	21100	2535	1	Mid	-0.05	0.244	13.64	14.80	1.306	0.319	/
	State4&6		Left Tilt	0	21100	2535	50	Low	-0.11	0.236	13.67	14.80	1.297	0.306	/
	State4&6		Right Cheek	0	21100	2535	1	Mid	-0.16	0.385	13.64	14.80	1.306	0.503	/
	State4&6		Right Cheek	0	21100	2535	50	Low	0.00	0.379	13.67	14.80	1.297	0.492	/
	State4&6		Right Tilt	0	21100	2535	1	Mid	-0.12	0.332	13.64	14.80	1.306	0.434	/
	State4&6		Right Tilt	0	21100	2535	50	Low	0.15	0.316	13.67	14.80	1.297	0.410	/
Ant.4	State2&4&6	QPSK	Left Cheek	0	21100	2535	1	Mid	0.18	0.280	23.95	24.30	1.084	0.304	/
	State2&4&6		Left Cheek	0	21100	2535	50	Low	0.05	0.213	22.97	23.30	1.079	0.230	/
	State2&4&6		Left Tilt	0	21100	2535	1	Mid	-0.10	0.099	23.95	24.30	1.084	0.107	/
	State2&4&6		Left Tilt	0	21100	2535	50	Low	-0.11	0.083	22.97	23.30	1.079	0.090	/
	State2&4&6		Right Cheek	0	21100	2535	1	Mid	0.00	0.173	23.95	24.30	1.084	0.188	/
	State2&4&6		Right Cheek	0	21100	2535	50	Low	-0.07	0.139	22.97	23.30	1.079	0.150	/
	State2&4&6		Right Tilt	0	21100	2535	1	Mid	-0.01	0.134	23.95	24.30	1.084	0.145	/
	State2&4&6		Right Tilt	0	21100	2535	50	Low	-0.09	0.105	22.97	23.30	1.079	0.113	/
Ant.5	State2	QPSK	Left Cheek	0	21350	2560	1	Mid	0.02	0.365	18.04	18.80	1.191	0.435	/
	State2		Left Cheek	0	20850	2510	50	Low	0.10	0.361	18.07	18.80	1.183	0.427	/
	State2		Left Tilt	0	21350	2560	1	Mid	0.07	0.085	18.04	18.80	1.191	0.101	/
	State2		Left Tilt	0	20850	2510	50	Low	-0.19	0.081	18.07	18.80	1.183	0.096	/
	State2		Right Cheek	0	21350	2560	1	Mid	0.17	0.548	18.04	18.80	1.191	0.653	/
	State2		Right Cheek	0	20850	2510	50	Low	0.05	0.533	18.07	18.80	1.183	0.631	/
	State2		Right Tilt	0	21350	2560	1	Mid	-0.10	0.156	18.04	18.80	1.191	0.186	/

	State2		Right Tilt	0	20850	2510	50	Low	-0.06	0.151	18.07	18.80	1.183	0.179	/
	State4&6	QPSK	Left Cheek	0	21350	2560	1	Mid	-0.07	0.245	16.10	16.80	1.175	0.288	/
	State4&6		Left Cheek	0	20850	2510	50	Low	0.19	0.236	16.08	16.80	1.180	0.278	/
	State4&6		Left Tilt	0	21350	2560	1	Mid	-0.06	0.051	16.10	16.80	1.175	0.060	/
	State4&6		Left Tilt	0	20850	2510	50	Low	0.03	0.048	16.08	16.80	1.180	0.057	/
	State4&6		Right Cheek	0	21350	2560	1	Mid	-0.08	0.336	16.10	16.80	1.175	0.395	/
	State4&6		Right Cheek	0	20850	2510	50	Low	0.12	0.326	16.08	16.80	1.180	0.385	/
	State4&6		Right Tilt	0	21350	2560	1	Mid	0.11	0.103	16.10	16.80	1.175	0.121	/
	State4&6		Right Tilt	0	20850	2510	50	Low	-0.13	0.101	16.08	16.80	1.180	0.119	/

Body-worn

Ant.3	State1	QPSK	Front Side	15	21100	2535	1	Mid	0.19	0.142	20.08	21.30	1.324	0.188	/
	State1		Front Side	15	21100	2535	50	Low	-0.12	0.135	20.14	21.30	1.306	0.176	/
	State1		Back Side	15	21100	2535	1	Mid	-0.07	0.195	20.08	21.30	1.324	0.258	/
	State1		Back Side	15	21100	2535	50	Low	0.03	0.189	20.14	21.30	1.306	0.247	/
	State3&5	QPSK	Front Side	15	21100	2535	1	Mid	0.02	0.085	17.71	18.80	1.285	0.109	/
	State3&5		Front Side	15	21100	2535	50	Low	0.03	0.081	17.74	18.80	1.276	0.103	/
	State3&5		Back Side	15	21100	2535	1	Mid	0.19	0.121	17.71	18.80	1.285	0.155	/
	State3&5		Back Side	15	21100	2535	50	Low	-0.02	0.116	17.74	18.80	1.276	0.148	/

Ant.4	State1	QPSK	Front Side	15	21100	2535	1	Mid	0.19	0.152	20.03	20.80	1.194	0.181	/
	State1		Front Side	15	21100	2535	50	Low	0.13	0.148	20.05	20.80	1.189	0.176	/
	State1		Back Side	15	21100	2535	1	Mid	0.09	0.204	20.03	20.80	1.194	0.244	/
	State1		Back Side	15	21100	2535	50	Low	0.03	0.195	20.05	20.80	1.189	0.232	/
	State3&5	QPSK	Front Side	15	21100	2535	1	Mid	0.12	0.091	17.51	18.30	1.199	0.109	/
	State3&5		Front Side	15	21100	2535	50	Low	0.11	0.093	17.52	18.30	1.197	0.111	/
	State3&5		Back Side	15	21100	2535	1	Mid	0.18	0.121	17.51	18.30	1.199	0.145	/
	State3&5		Back Side	15	21100	2535	50	Low	0.18	0.118	17.52	18.30	1.197	0.141	/

Ant.5	State1	QPSK	Front Side	15	21100	2535	1	Mid	-0.02	0.148	20.09	20.80	1.178	0.174	/
	State1		Front Side	15	21100	2535	50	Low	-0.02	0.146	20.12	20.80	1.169	0.171	/
	State1		Back Side	15	21100	2535	1	Mid	0.01	0.224	20.09	20.80	1.178	0.264	28#
	State1		Back Side	15	21100	2535	50	Low	-0.10	0.215	20.12	20.80	1.169	0.251	/
	State3&5	QPSK	Front Side	15	21100	2535	1	Mid	0.14	0.094	17.58	18.30	1.180	0.111	/
	State3&5		Front Side	15	21100	2535	50	Low	0.00	0.091	17.58	18.30	1.180	0.107	/
	State3&5		Back Side	15	21100	2535	1	Mid	-0.18	0.131	17.58	18.30	1.180	0.155	/
	State3&5		Back Side	15	21100	2535	50	Low	0.14	0.128	17.58	18.30	1.180	0.151	/

Hotspot

Ant.3	State3&5	QPSK	Front Side	10	21100	2535	1	Mid	0.17	0.133	17.71	18.80	1.285	0.171	/
	State3&5		Front Side	10	21100	2535	50	Low	-0.07	0.141	17.74	18.80	1.276	0.180	/

	State3&5	QPSK	Back Side	10	21100	2535	1	Mid	-0.03	0.188	17.71	18.80	1.285	0.242	/
	State3&5		Back Side	10	21100	2535	50	Low	-0.13	0.183	17.74	18.80	1.276	0.234	/
	State3&5		Left Edge	10	21100	2535	1	Mid	-0.12	0.045	17.71	18.80	1.285	0.058	/
	State3&5		Left Edge	10	21100	2535	50	Low	0.13	0.048	17.74	18.80	1.276	0.061	/
	State3&5		Right Edge	10	21100	2535	1	Mid	0.17	0.121	17.71	18.80	1.285	0.155	/
	State3&5		Right Edge	10	21100	2535	50	Low	-0.06	0.119	17.74	18.80	1.276	0.152	/
	State3&5		Top Edge	10	21100	2535	1	Mid	0.13	0.299	17.71	18.80	1.285	0.384	30#
	State3&5		Top Edge	10	21100	2535	50	Low	0.19	0.271	17.74	18.80	1.276	0.346	/
	State3&5		Bottom Edge	10	21100	2535	1	Mid	0.07	0.016	17.71	18.80	1.285	0.021	/
	State3&5		Bottom Edge	10	21100	2535	50	Low	0.00	0.014	17.74	18.80	1.276	0.018	/
Ant.4	State3&5	QPSK	Front Side	10	21100	2535	1	Mid	0.09	0.133	17.51	18.30	1.199	0.159	/
	State3&5		Front Side	10	21100	2535	50	Low	0.09	0.124	17.52	18.30	1.197	0.148	/
	State3&5		Back Side	10	21100	2535	1	Mid	0.08	0.185	17.51	18.30	1.199	0.222	/
	State3&5		Back Side	10	21100	2535	50	Low	0.18	0.192	17.52	18.30	1.197	0.230	/
	State3&5		Left Edge	10	21100	2535	1	Mid	0.08	0.036	17.51	18.30	1.199	0.043	/
	State3&5		Left Edge	10	21100	2535	50	Low	0.08	0.031	17.52	18.30	1.197	0.037	/
	State3&5		Right Edge	10	21100	2535	1	Mid	-0.17	0.042	17.51	18.30	1.199	0.050	/
	State3&5		Right Edge	10	21100	2535	50	Low	0.09	0.044	17.52	18.30	1.197	0.053	/
	State3&5		Top Edge	10	21100	2535	1	Mid	-0.11	0.006	17.51	18.30	1.199	0.007	/
	State3&5		Top Edge	10	21100	2535	50	Low	-0.17	0.005	17.52	18.30	1.197	0.006	/
	State3&5		Bottom Edge	10	21100	2535	1	Mid	0.08	0.266	17.51	18.30	1.199	0.319	/
	State3&5		Bottom Edge	10	21100	2535	50	Low	-0.17	0.315	17.52	18.30	1.197	0.377	/
Ant.5	State3&5	QPSK	Front Side	10	21100	2535	1	Mid	-0.08	0.165	17.58	18.30	1.180	0.195	/
	State3&5		Front Side	10	21100	2535	50	Low	-0.15	0.166	17.58	18.30	1.180	0.196	/
	State3&5		Back Side	10	21100	2535	1	Mid	-0.09	0.261	17.58	18.30	1.180	0.308	/
	State3&5		Back Side	10	21100	2535	50	Low	0.13	0.255	17.58	18.30	1.180	0.301	/
	State3&5		Left Edge	10	21100	2535	1	Mid	0.13	0.016	17.58	18.30	1.180	0.019	/
	State3&5		Left Edge	10	21100	2535	50	Low	0.00	0.013	17.58	18.30	1.180	0.015	/
	State3&5		Right Edge	10	21100	2535	1	Mid	0.07	0.242	17.58	18.30	1.180	0.286	/
	State3&5		Right Edge	10	21100	2535	50	Low	-0.07	0.238	17.58	18.30	1.180	0.281	/
	State3&5		Top Edge	10	21100	2535	1	Mid	0.04	0.021	17.58	18.30	1.180	0.025	/
	State3&5		Top Edge	10	21100	2535	50	Low	0.02	0.018	17.58	18.30	1.180	0.021	/
	State3&5		Bottom Edge	10	21100	2535	1	Mid	0.08	0.012	17.58	18.30	1.180	0.014	/
	State3&5		Bottom Edge	10	21100	2535	50	Low	0.04	0.011	17.58	18.30	1.180	0.013	/
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.3	State1	QPSK	Top Edge	0	21100	2535	1	Mid	0.05	1.870	20.08	21.30	1.324	2.476	32#
	State1		Top Edge	0	21100	2535	50	Low	0.03	1.810	20.14	21.30	1.306	2.364	/
Ant.3	State3&5	QPSK	Top Edge	0	21100	2535	1	Mid	0.08	1.070	17.71	18.80	1.285	1.375	/
	State3&5		Top Edge	0	21100	2535	50	Low	-0.07	1.020	17.74	18.80	1.276	1.302	/
Ant.4	State1	QPSK	Bottom Edge	0	21100	2535	1	Mid	0.07	1.380	20.03	20.80	1.194	1.648	33#
	State1		Bottom Edge	0	21100	2535	50	Low	-0.11	1.320	20.05	20.80	1.189	1.569	/
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.3	State2	QPSK	Right Cheek	0	21100 +21298	2535 +2554.8	1+1	High +Low	-0.04	0.588	15.21	16.30	1.285	0.756	27#
Body-worn-CA															
Ant.5	State1	QPSK	Back Side	15	21100 +21298	2535 +2554.8	1+1	High +Low	0.04	0.200	19.23	20.30	1.279	0.256	29#
Hotspot-CA															
Ant.3	State3&5	QPSK	Top Edge	10	21100 +21298	2535 +2554.8	1+1	High +Low	0.04	0.231	17.29	18.30	1.262	0.292	31#
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.3	State3&5	QPSK	Top Edge	0	21100 +21298	2535 +2554.8	1+1	High +Low	-0.16	1.810	19.85	20.80	1.245	2.253	93#
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	Mid	0.06	0.065	22.89	23.80	1.233	0.080	/
	State2		Left Cheek	0	23095	707.5	25	High	0.16	0.053	21.95	22.80	1.216	0.064	/
	State2		Left Tilt	0	23095	707.5	1	Mid	0.16	0.061	22.89	23.80	1.233	0.075	/
	State2		Left Tilt	0	23095	707.5	25	High	0.15	0.048	21.95	22.80	1.216	0.058	/
	State2		Right Cheek	0	23095	707.5	1	Mid	-0.08	0.204	22.89	23.80	1.233	0.252	34#
	State2		Right Cheek	0	23095	707.5	25	High	0.16	0.156	21.95	22.80	1.216	0.190	/
	State2		Right Tilt	0	23095	707.5	1	Mid	0.15	0.163	22.89	23.80	1.233	0.201	/
	State2		Right Tilt	0	23095	707.5	25	High	0.07	0.144	21.95	22.80	1.216	0.175	/
	State4&6	QPSK	Left Cheek	0	23095	707.5	1	Mid	-0.03	0.055	22.25	23.30	1.274	0.070	/
	State4&6		Left Cheek	0	23095	707.5	25	Low	-0.17	0.051	21.74	22.80	1.276	0.065	/
	State4&6		Left Tilt	0	23095	707.5	1	Mid	-0.09	0.053	22.25	23.30	1.274	0.068	/
	State4&6		Left Tilt	0	23095	707.5	25	Low	-0.16	0.049	21.74	22.80	1.276	0.063	/
	State4&6		Right Cheek	0	23095	707.5	1	Mid	-0.03	0.185	22.25	23.30	1.274	0.236	/
	State4&6		Right Cheek	0	23095	707.5	25	Low	0.06	0.161	21.74	22.80	1.276	0.205	/
	State4&6		Right Tilt	0	23095	707.5	1	Mid	0.08	0.143	22.25	23.30	1.274	0.182	/
	State4&6		Right Tilt	0	23095	707.5	25	Low	-0.09	0.141	21.74	22.80	1.276	0.180	/
Ant.0	State2&4&6	QPSK	Left Cheek	0	23095	707.5	1	Mid	-0.15	0.026	22.40	23.30	1.230	0.032	/
	State2&4&6		Left Cheek	0	23095	707.5	25	Low	-0.19	0.018	21.51	22.30	1.199	0.022	/
	State2&4&6		Left Tilt	0	23095	707.5	1	Mid	0.17	0.015	22.40	23.30	1.230	0.018	/
	State2&4&6		Left Tilt	0	23095	707.5	25	Low	0.12	0.013	21.51	22.30	1.199	0.016	/
	State2&4&6		Right Cheek	0	23095	707.5	1	Mid	0.14	0.029	22.40	23.30	1.230	0.036	/
	State2&4&6		Right Cheek	0	23095	707.5	25	Low	0.08	0.024	21.51	22.30	1.199	0.029	/
	State2&4&6		Right Tilt	0	23095	707.5	1	Mid	0.14	0.021	22.40	23.30	1.230	0.026	/
	State2&4&6		Right Tilt	0	23095	707.5	25	Low	-0.17	0.018	21.51	22.30	1.199	0.022	/
Body-worn															
Ant.1	State1&3&5	QPSK	Front Side	15	23095	707.5	1	Mid	0.05	0.048	22.89	23.80	1.233	0.059	/
	State1&3&5		Front Side	15	23095	707.5	25	High	-0.15	0.026	21.95	22.80	1.216	0.032	/
	State1&3&5		Back Side	15	23095	707.5	1	Mid	-0.01	0.073	22.89	23.80	1.233	0.090	/
	State1&3&5		Back Side	15	23095	707.5	25	High	0.03	0.058	21.95	22.80	1.216	0.071	/
Ant.0	State1&3&5	QPSK	Front Side	15	23095	707.5	1	Mid	-0.06	0.144	22.40	23.30	1.230	0.177	/
	State1&3&5		Front Side	15	23095	707.5	25	Low	0.03	0.116	21.51	22.30	1.199	0.139	/

	State1&3&5		Back Side	15	23095	707.5	1	Mid	-0.19	0.162	22.40	23.30	1.230	0.199	35#
	State1&3&5		Back Side	15	23095	707.5	25	Low	-0.09	0.141	21.51	22.30	1.199	0.169	/
Hotspot															
Ant.1	State3&5	QPSK	Front Side	10	23095	707.5	1	Mid	0.12	0.045	22.89	23.80	1.233	0.055	/
	State3&5		Front Side	10	23095	707.5	25	High	-0.07	0.031	21.95	22.80	1.216	0.038	/
	State3&5		Back Side	10	23095	707.5	1	Mid	0.01	0.079	22.89	23.80	1.233	0.097	/
	State3&5		Back Side	10	23095	707.5	25	High	0.18	0.065	21.95	22.80	1.216	0.079	/
	State3&5		Left Edge	10	23095	707.5	1	Mid	-0.19	0.011	22.89	23.80	1.233	0.014	/
	State3&5		Left Edge	10	23095	707.5	25	High	0.17	0.008	21.95	22.80	1.216	0.010	/
	State3&5		Right Edge	10	23095	707.5	1	Mid	0.14	0.117	22.89	23.80	1.233	0.144	/
	State3&5		Right Edge	10	23095	707.5	25	High	-0.14	0.094	21.95	22.80	1.216	0.114	/
	State3&5		Top Edge	10	23095	707.5	1	Mid	0.14	0.053	22.89	23.80	1.233	0.065	/
	State3&5		Top Edge	10	23095	707.5	25	High	0.16	0.044	21.95	22.80	1.216	0.054	/
	State3&5		Bottom Edge	10	23095	707.5	1	Mid	-0.03	0.006	22.89	23.80	1.233	0.007	/
	State3&5		Bottom Edge	10	23095	707.5	25	High	-0.04	0.004	21.95	22.80	1.216	0.005	/
Ant.0	State3&5	QPSK	Front Side	10	23095	707.5	1	Mid	-0.13	0.163	22.40	23.30	1.230	0.200	/
	State3&5		Front Side	10	23095	707.5	25	Low	0.19	0.135	21.51	22.30	1.199	0.162	/
	State3&5		Back Side	10	23095	707.5	1	Mid	-0.03	0.183	22.40	23.30	1.230	0.225	36#
	State3&5		Back Side	10	23095	707.5	25	Low	-0.17	0.141	21.51	22.30	1.199	0.169	/
	State3&5		Left Edge	10	23095	707.5	1	Mid	-0.18	0.166	22.40	23.30	1.230	0.204	/
	State3&5		Left Edge	10	23095	707.5	25	Low	-0.07	0.126	21.51	22.30	1.199	0.151	/
	State3&5		Right Edge	10	23095	707.5	1	Mid	0.16	0.085	22.40	23.30	1.230	0.105	/
	State3&5		Right Edge	10	23095	707.5	25	Low	-0.02	0.063	21.51	22.30	1.199	0.076	/
	State3&5		Top Edge	10	23095	707.5	1	Mid	0.07	0.021	22.40	23.30	1.230	0.026	/
	State3&5		Top Edge	10	23095	707.5	25	Low	0.18	0.015	21.51	22.30	1.199	0.018	/
	State3&5		Bottom Edge	10	23095	707.5	1	Mid	0.18	0.045	22.40	23.30	1.230	0.055	/
	State3&5		Bottom Edge	10	23095	707.5	25	Low	-0.12	0.038	21.51	22.30	1.199	0.046	/
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&4&6	QPSK	Left Cheek	0	23230	782	1	Mid	0.08	0.028	22.69	23.80	1.291	0.036	/
	State2&4&6		Left Cheek	0	23230	782	25	Low	-0.18	0.021	21.68	22.80	1.294	0.027	/
	State2&4&6		Left Tilt	0	23230	782	1	Mid	-0.18	0.016	22.69	23.80	1.291	0.021	/
	State2&4&6		Left Tilt	0	23230	782	25	Low	0.15	0.011	21.68	22.80	1.294	0.014	/
	State2&4&6		Right Cheek	0	23230	782	1	Mid	0.03	0.033	22.69	23.80	1.291	0.043	37#
	State2&4&6		Right Cheek	0	23230	782	25	Low	0.13	0.021	21.68	22.80	1.294	0.027	/
	State2&4&6		Right Tilt	0	23230	782	1	Mid	0.14	0.018	22.69	23.80	1.291	0.023	/
	State2&4&6		Right Tilt	0	23230	782	25	Low	0.04	0.015	21.68	22.80	1.294	0.019	/
Ant.0	State2&4&6	QPSK	Left Cheek	0	23230	782	1	Mid	0.05	0.021	22.28	23.30	1.265	0.027	/
	State2&4&6		Left Cheek	0	23230	782	25	Low	-0.14	0.015	21.05	22.30	1.334	0.020	/
	State2&4&6		Left Tilt	0	23230	782	1	Mid	0.07	0.013	22.28	23.30	1.265	0.016	/
	State2&4&6		Left Tilt	0	23230	782	25	Low	-0.11	0.011	21.05	22.30	1.334	0.015	/
	State2&4&6		Right Cheek	0	23230	782	1	Mid	-0.12	0.026	22.28	23.30	1.265	0.033	/
	State2&4&6		Right Cheek	0	23230	782	25	Low	0.10	0.022	21.05	22.30	1.334	0.029	/
	State2&4&6		Right Tilt	0	23230	782	1	Mid	-0.08	0.019	22.28	23.30	1.265	0.024	/
	State2&4&6		Right Tilt	0	23230	782	25	Low	0.00	0.016	21.05	22.30	1.334	0.021	/
Body-worn															
Ant.1	State1&3&5	QPSK	Front Side	15	23230	782	1	Mid	-0.04	0.041	22.69	23.80	1.291	0.053	/
	State1&3&5		Front Side	15	23230	782	25	Low	0.02	0.032	21.68	22.80	1.294	0.041	/
	State1&3&5		Back Side	15	23230	782	1	Mid	0.02	0.048	22.69	23.80	1.291	0.062	/
	State1&3&5		Back Side	15	23230	782	25	Low	-0.11	0.043	21.68	22.80	1.294	0.056	/
Ant.0	State1&3&5	QPSK	Front Side	15	23230	782	1	Mid	0.01	0.047	22.28	23.30	1.265	0.059	/
	State1&3&5		Front Side	15	23230	782	25	Low	-0.19	0.032	21.05	22.30	1.334	0.043	/
	State1&3&5		Back Side	15	23230	782	1	Mid	0.09	0.052	22.28	23.30	1.265	0.066	38#
	State1&3&5		Back Side	15	23230	782	25	Low	0.01	0.044	21.05	22.30	1.334	0.059	/
Hotspot															
Ant.1	State3&5	QPSK	Front Side	10	23230	782	1	Mid	-0.19	0.055	22.69	23.80	1.291	0.071	/
	State3&5		Front Side	10	23230	782	25	Low	0.08	0.048	21.68	22.80	1.294	0.062	/
	State3&5		Back Side	10	23230	782	1	Mid	-0.10	0.071	22.69	23.80	1.291	0.092	/
	State3&5		Back Side	10	23230	782	25	Low	0.00	0.063	21.68	22.80	1.294	0.082	/
	State3&5		Left Edge	10	23230	782	1	Mid	0.19	0.011	22.69	23.80	1.291	0.014	/

	State3&5		Left Edge	10	23230	782	25	Low	0.18	0.008	21.68	22.80	1.294	0.010	/
	State3&5		Right Edge	10	23230	782	1	Mid	0.10	0.023	22.69	23.80	1.291	0.030	/
	State3&5		Right Edge	10	23230	782	25	Low	-0.01	0.017	21.68	22.80	1.294	0.022	/
	State3&5		Top Edge	10	23230	782	1	Mid	-0.10	0.016	22.69	23.80	1.291	0.021	/
	State3&5		Top Edge	10	23230	782	25	Low	0.17	0.013	21.68	22.80	1.294	0.017	/
	State3&5		Bottom Edge	10	23230	782	1	Mid	0.10	0.009	22.69	23.80	1.291	0.012	/
	State3&5		Bottom Edge	10	23230	782	25	Low	-0.09	0.006	21.68	22.80	1.294	0.008	/
Ant.0	State3&5	QPSK	Front Side	10	23230	782	1	Mid	0.13	0.061	22.28	23.30	1.265	0.077	/
	State3&5		Front Side	10	23230	782	25	Low	-0.16	0.052	21.05	22.30	1.334	0.069	/
	State3&5		Back Side	10	23230	782	1	Mid	-0.15	0.081	22.28	23.30	1.265	0.102	39#
	State3&5		Back Side	10	23230	782	25	Low	0.04	0.063	21.05	22.30	1.334	0.084	/
	State3&5		Left Edge	10	23230	782	1	Mid	-0.01	0.041	22.28	23.30	1.265	0.052	/
	State3&5		Left Edge	10	23230	782	25	Low	0.14	0.028	21.05	22.30	1.334	0.037	/
	State3&5		Right Edge	10	23230	782	1	Mid	-0.04	0.011	22.28	23.30	1.265	0.014	/
	State3&5		Right Edge	10	23230	782	25	Low	0.18	0.009	21.05	22.30	1.334	0.012	/
	State3&5		Top Edge	10	23230	782	1	Mid	-0.08	0.008	22.28	23.30	1.265	0.010	/
	State3&5		Top Edge	10	23230	782	25	Low	-0.12	0.006	21.05	22.30	1.334	0.008	/
	State3&5		Bottom Edge	10	23230	782	1	Mid	0.08	0.033	22.28	23.30	1.265	0.042	/
	State3&5		Bottom Edge	10	23230	782	25	Low	0.19	0.022	21.05	22.30	1.334	0.029	/

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

11.13 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&4&6	QPSK	Left Cheek	0	26965	841.5	1	Mid	-0.16	0.073	23.90	24.80	1.230	0.090	/
	State2&4&6		Left Cheek	0	26965	841.5	36	Mid	-0.18	0.058	22.87	23.80	1.239	0.072	/
	State2&4&6		Left Tilt	0	26965	841.5	1	Mid	-0.02	0.075	23.90	24.80	1.230	0.092	/
	State2&4&6		Left Tilt	0	26965	841.5	36	Mid	0.13	0.048	22.87	23.80	1.239	0.059	/
	State2&4&6		Right Cheek	0	26965	841.5	1	Mid	0.16	0.183	23.90	24.80	1.230	0.225	40#
	State2&4&6		Right Cheek	0	26965	841.5	36	Mid	-0.18	0.141	22.87	23.80	1.239	0.175	/
	State2&4&6		Right Tilt	0	26965	841.5	1	Mid	-0.17	0.152	23.90	24.80	1.230	0.187	/
	State2&4&6		Right Tilt	0	26965	841.5	36	Mid	-0.01	0.142	22.87	23.80	1.239	0.176	/
Ant.0	State2&4&6	QPSK	Left Cheek	0	26865	831.5	1	High	0.02	0.127	23.64	24.30	1.164	0.148	/
	State2&4&6		Left Cheek	0	26865	831.5	36	High	0.01	0.100	22.56	23.30	1.186	0.119	/
	State2&4&6		Left Tilt	0	26865	831.5	1	High	-0.08	0.060	23.64	24.30	1.164	0.070	/
	State2&4&6		Left Tilt	0	26865	831.5	36	High	-0.05	0.048	22.56	23.30	1.186	0.057	/
	State2&4&6		Right Cheek	0	26865	831.5	1	High	-0.12	0.128	23.64	24.30	1.164	0.149	/
	State2&4&6		Right Cheek	0	26865	831.5	36	High	0.04	0.097	22.56	23.30	1.186	0.115	/
	State2&4&6		Right Tilt	0	26865	831.5	1	High	0.12	0.079	23.64	24.30	1.164	0.092	/
	State2&4&6		Right Tilt	0	26865	831.5	36	High	0.17	0.062	22.56	23.30	1.186	0.074	/
Body-worn															
Ant.1	State1&3&5	QPSK	Front Side	15	26965	841.5	1	Mid	-0.19	0.026	23.90	24.80	1.230	0.032	/
	State1&3&5		Front Side	15	26965	841.5	36	Mid	-0.01	0.018	22.87	23.80	1.239	0.022	/
	State1&3&5		Back Side	15	26965	841.5	1	Mid	0.05	0.043	23.90	24.80	1.230	0.053	/
	State1&3&5		Back Side	15	26965	841.5	36	Mid	0.18	0.029	22.87	23.80	1.239	0.036	/
Ant.0	State1&3&5	QPSK	Front Side	15	26865	831.5	1	High	-0.09	0.106	23.64	24.30	1.164	0.123	/
	State1&3&5		Front Side	15	26865	831.5	36	High	-0.16	0.082	22.56	23.30	1.186	0.097	/
	State1&3&5		Back Side	15	26865	831.5	1	High	0.01	0.129	23.64	24.30	1.164	0.150	41#
	State1&3&5		Back Side	15	26865	831.5	36	High	0.02	0.097	22.56	23.30	1.186	0.115	/
Hotspot															
Ant.1	State3&5	QPSK	Front Side	10	26965	841.5	1	Mid	-0.07	0.055	23.90	24.80	1.230	0.068	/
	State3&5		Front Side	10	26965	841.5	36	Mid	0.01	0.043	22.87	23.80	1.239	0.053	/
	State3&5		Back Side	10	26965	841.5	1	Mid	-0.17	0.080	23.90	24.80	1.230	0.098	/
	State3&5		Back Side	10	26965	841.5	36	Mid	0.01	0.063	22.87	23.80	1.239	0.078	/
	State3&5		Left Edge	10	26965	841.5	1	Mid	-0.06	0.023	23.90	24.80	1.230	0.028	/

	State3&5		Left Edge	10	26965	841.5	36	Mid	0.09	0.014	22.87	23.80	1.239	0.017	/
	State3&5		Right Edge	10	26965	841.5	1	Mid	-0.07	0.006	23.90	24.80	1.230	0.007	/
	State3&5		Right Edge	10	26965	841.5	36	Mid	-0.10	0.004	22.87	23.80	1.239	0.005	/
	State3&5		Top Edge	10	26965	841.5	1	Mid	-0.10	0.057	23.90	24.80	1.230	0.070	/
	State3&5		Top Edge	10	26965	841.5	36	Mid	0.00	0.045	22.87	23.80	1.239	0.056	/
	State3&5		Bottom Edge	10	26965	841.5	1	Mid	-0.05	0.003	23.90	24.80	1.230	0.004	/
	State3&5		Bottom Edge	10	26965	841.5	36	Mid	-0.16	0.001	22.87	23.80	1.239	0.001	/
Ant.0	State3&5	QPSK	Front Side	10	26865	831.5	1	High	0.02	0.161	23.64	24.30	1.164	0.187	/
	State3&5		Front Side	10	26865	831.5	36	High	-0.01	0.134	22.56	23.30	1.186	0.159	/
	State3&5		Back Side	10	26865	831.5	1	High	-0.08	0.187	23.64	24.30	1.164	0.218	42#
	State3&5		Back Side	10	26865	831.5	36	High	0.05	0.155	22.56	23.30	1.186	0.184	/
	State3&5		Left Edge	10	26865	831.5	1	High	0.09	0.128	23.64	24.30	1.164	0.149	/
	State3&5		Left Edge	10	26865	831.5	36	High	0.18	0.106	22.56	23.30	1.186	0.126	/
	State3&5		Right Edge	10	26865	831.5	1	High	-0.19	0.032	23.64	24.30	1.164	0.037	/
	State3&5		Right Edge	10	26865	831.5	36	High	-0.02	0.021	22.56	23.30	1.186	0.025	/
	State3&5		Top Edge	10	26865	831.5	1	High	0.11	0.019	23.64	24.30	1.164	0.022	/
	State3&5		Top Edge	10	26865	831.5	36	High	0.01	0.015	22.56	23.30	1.186	0.018	/
	State3&5		Bottom Edge	10	26865	831.5	1	High	0.02	0.102	23.64	24.30	1.164	0.119	/
	State3&5		Bottom Edge	10	26865	831.5	36	High	-0.11	0.083	22.56	23.30	1.186	0.098	/

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

11.14 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.3	State2	QPSK	Left Cheek	0	132322	1745	1	Mid	0.07	0.283	16.77	17.80	1.268	0.359	/
	State2		Left Cheek	0	132322	1745	50	High	0.13	0.265	16.81	17.80	1.256	0.333	/
	State2		Left Tilt	0	132322	1745	1	Mid	0.14	0.353	16.77	17.80	1.268	0.448	/
	State2		Left Tilt	0	132322	1745	50	High	-0.05	0.344	16.81	17.80	1.256	0.432	/
	State2		Right Cheek	0	132322	1745	1	Mid	-0.13	0.542	16.77	17.80	1.268	0.687	43#
	State2		Right Cheek	0	132322	1745	50	High	0.06	0.528	16.81	17.80	1.256	0.663	/
	State2		Right Tilt	0	132322	1745	1	Mid	-0.09	0.533	16.77	17.80	1.268	0.676	/
	State2		Right Tilt	0	132322	1745	50	High	0.15	0.516	16.81	17.80	1.256	0.648	/
	State4&6	QPSK	Left Cheek	0	132322	1745	1	Mid	-0.05	0.183	14.93	15.80	1.222	0.224	/
	State4&6		Left Cheek	0	132322	1745	50	Low	-0.11	0.176	14.95	15.80	1.216	0.214	/
	State4&6		Left Tilt	0	132322	1745	1	Mid	-0.16	0.234	14.93	15.80	1.222	0.286	/
	State4&6		Left Tilt	0	132322	1745	50	Low	-0.02	0.229	14.95	15.80	1.216	0.278	/
	State4&6		Right Cheek	0	132322	1745	1	Mid	0.00	0.336	14.93	15.80	1.222	0.411	/
	State4&6		Right Cheek	0	132322	1745	50	Low	-0.04	0.323	14.95	15.80	1.216	0.393	/
State4&6	Right Tilt		0	132322	1745	1	Mid	-0.15	0.318	14.93	15.80	1.222	0.389	/	
State4&6	Right Tilt		0	132322	1745	50	Low	0.00	0.306	14.95	15.80	1.216	0.372	/	
Ant.4	State2&4&6	QPSK	Left Cheek	0	132072	1720	1	Mid	0.12	0.113	24.18	24.80	1.153	0.130	/
	State2&4&6		Left Cheek	0	132072	1720	50	Mid	-0.06	0.088	23.19	23.80	1.151	0.101	/
	State2&4&6		Left Tilt	0	132072	1720	1	Mid	0.19	0.072	24.18	24.80	1.153	0.083	/
	State2&4&6		Left Tilt	0	132072	1720	50	Mid	0.13	0.058	23.19	23.80	1.151	0.067	/
	State2&4&6		Right Cheek	0	132072	1720	1	Mid	0.15	0.124	24.18	24.80	1.153	0.143	/
	State2&4&6		Right Cheek	0	132072	1720	50	Mid	0.00	0.106	23.19	23.80	1.151	0.122	/
	State2&4&6		Right Tilt	0	132072	1720	1	Mid	-0.10	0.067	24.18	24.80	1.153	0.077	/
	State2&4&6		Right Tilt	0	132072	1720	50	Mid	0.02	0.056	23.19	23.80	1.151	0.064	/
Ant.5	State2	QPSK	Left Cheek	0	132322	1745	1	Mid	-0.05	0.345	21.18	21.80	1.153	0.398	/
	State2		Left Cheek	0	132322	1745	50	Low	-0.15	0.336	21.28	21.80	1.127	0.379	/
	State2		Left Tilt	0	132322	1745	1	Mid	-0.01	0.088	21.18	21.80	1.153	0.101	/
	State2		Left Tilt	0	132322	1745	50	Low	0.09	0.083	21.28	21.80	1.127	0.094	/
	State2		Right Cheek	0	132322	1745	1	Mid	0.03	0.534	21.18	21.80	1.153	0.616	/
	State2		Right Cheek	0	132322	1745	50	Low	-0.13	0.523	21.28	21.80	1.127	0.589	/
	State2		Right Tilt	0	132322	1745	1	Mid	-0.18	0.116	21.18	21.80	1.153	0.134	/

	State2		Right Tilt	0	132322	1745	50	Low	0.14	0.121	21.28	21.80	1.127	0.136	/
	State4&6	QPSK	Left Cheek	0	132322	1745	1	Mid	0.00	0.226	19.21	19.80	1.146	0.259	/
	State4&6		Left Cheek	0	132322	1745	50	Low	0.01	0.221	19.28	19.80	1.127	0.249	/
	State4&6		Left Tilt	0	132322	1745	1	Mid	-0.18	0.063	19.21	19.80	1.146	0.072	/
	State4&6		Left Tilt	0	132322	1745	50	Low	-0.02	0.062	19.28	19.80	1.127	0.070	/
	State4&6		Right Cheek	0	132322	1745	1	Mid	0.13	0.323	19.21	19.80	1.146	0.370	/
	State4&6		Right Cheek	0	132322	1745	50	Low	0.06	0.318	19.28	19.80	1.127	0.358	/
	State4&6		Right Tilt	0	132322	1745	1	Mid	0.08	0.074	19.21	19.80	1.146	0.085	/
	State4&6		Right Tilt	0	132322	1745	50	Low	0.10	0.071	19.28	19.80	1.127	0.080	/
	State4&6														
Body-worn															
Ant.3	State1	QPSK	Front Side	15	132322	1745	1	Mid	0.03	0.152	21.26	22.30	1.271	0.193	/
	State1		Front Side	15	132322	1745	50	Low	-0.14	0.146	21.30	22.30	1.259	0.184	/
	State1		Back Side	15	132322	1745	1	Mid	0.08	0.181	21.26	22.30	1.271	0.230	44#
	State1		Back Side	15	132322	1745	50	Low	0.01	0.173	21.30	22.30	1.259	0.218	/
	State3&5	QPSK	Front Side	15	132322	1745	1	Mid	-0.06	0.082	18.87	19.80	1.239	0.102	/
	State3&5		Front Side	15	132322	1745	50	Low	-0.10	0.075	18.85	19.80	1.245	0.093	/
	State3&5		Back Side	15	132322	1745	1	Mid	0.07	0.116	18.87	19.80	1.239	0.144	/
	State3&5		Back Side	15	132322	1745	50	Low	0.11	0.109	18.85	19.80	1.245	0.136	/
Ant.4	State1	QPSK	Front Side	15	132072	1720	1	Mid	0.12	0.121	20.37	21.30	1.239	0.150	/
	State1		Front Side	15	132072	1720	50	Mid	-0.19	0.116	20.38	21.30	1.236	0.143	/
	State1		Back Side	15	132072	1720	1	Mid	-0.18	0.162	20.37	21.30	1.239	0.201	/
	State1		Back Side	15	132072	1720	50	Mid	-0.04	0.156	20.38	21.30	1.236	0.193	/
	State3&5	QPSK	Front Side	15	132072	1720	1	Mid	-0.09	0.082	18.70	19.30	1.148	0.094	/
	State3&5		Front Side	15	132072	1720	50	Mid	0.13	0.079	18.65	19.30	1.161	0.092	/
	State3&5		Back Side	15	132072	1720	1	Mid	-0.11	0.116	18.70	19.30	1.148	0.133	/
	State3&5		Back Side	15	132072	1720	50	Mid	0.03	0.112	18.65	19.30	1.161	0.130	/
Ant.5	State1	QPSK	Front Side	15	132322	1745	1	Mid	0.12	0.068	21.18	21.80	1.153	0.078	/
	State1		Front Side	15	132322	1745	50	Mid	-0.02	0.063	21.28	21.80	1.127	0.071	/
	State1		Back Side	15	132322	1745	1	Mid	-0.09	0.113	21.18	21.80	1.153	0.130	/
	State1		Back Side	15	132322	1745	50	Mid	0.02	0.106	21.28	21.80	1.127	0.119	/
	State3&5	QPSK	Front Side	15	132322	1745	1	Mid	-0.05	0.041	18.70	19.30	1.148	0.047	/
	State3&5		Front Side	15	132322	1745	50	Low	-0.19	0.038	18.72	19.30	1.143	0.043	/
	State3&5		Back Side	15	132322	1745	1	Mid	0.07	0.068	18.70	19.30	1.148	0.078	/
	State3&5		Back Side	15	132322	1745	50	Low	-0.12	0.063	18.72	19.30	1.143	0.072	/
Hotspot															
Ant.3	State3&5	QPSK	Front Side	10	132322	1745	1	Mid	-0.13	0.121	18.87	19.80	1.239	0.150	/
	State3&5		Front Side	10	132322	1745	50	Low	0.06	0.116	18.85	19.80	1.245	0.144	/

	State3&5		Back Side	10	132322	1745	1	Mid	-0.12	0.154	18.87	19.80	1.239	0.191	/
	State3&5		Back Side	10	132322	1745	50	Low	-0.04	0.152	18.85	19.80	1.245	0.189	/
	State3&5		Left Edge	10	132322	1745	1	Mid	0.12	0.021	18.87	19.80	1.239	0.026	/
	State3&5		Left Edge	10	132322	1745	50	Low	-0.11	0.018	18.85	19.80	1.245	0.022	/
	State3&5		Right Edge	10	132322	1745	1	Mid	-0.19	0.048	18.87	19.80	1.239	0.059	/
	State3&5		Right Edge	10	132322	1745	50	Low	0.06	0.042	18.85	19.80	1.245	0.052	/
	State3&5		Top Edge	10	132322	1745	1	Mid	-0.07	0.306	18.87	19.80	1.239	0.379	45#
	State3&5		Top Edge	10	132322	1745	50	Low	0.13	0.295	18.85	19.80	1.245	0.367	/
	State3&5		Bottom Edge	10	132322	1745	1	Mid	-0.18	0.012	18.87	19.80	1.239	0.015	/
	State3&5		Bottom Edge	10	132322	1745	50	Low	-0.11	0.009	18.85	19.80	1.245	0.011	/
Ant.4	State3&5	QPSK	Front Side	10	132322	1745	1	Mid	-0.17	0.171	18.70	19.30	1.148	0.196	/
	State3&5		Front Side	10	132322	1745	50	Mid	0.17	0.168	18.65	19.30	1.161	0.195	/
	State3&5		Back Side	10	132322	1745	1	Mid	0.14	0.185	18.70	19.30	1.148	0.212	/
	State3&5		Back Side	10	132322	1745	50	Mid	0.10	0.182	18.65	19.30	1.161	0.211	/
	State3&5		Left Edge	10	132322	1745	1	Mid	-0.09	0.031	18.70	19.30	1.148	0.036	/
	State3&5		Left Edge	10	132322	1745	50	Mid	0.10	0.028	18.65	19.30	1.161	0.033	/
	State3&5		Right Edge	10	132322	1745	1	Mid	0.05	0.042	18.70	19.30	1.148	0.048	/
	State3&5		Right Edge	10	132322	1745	50	Mid	0.05	0.038	18.65	19.30	1.161	0.044	/
	State3&5		Top Edge	10	132322	1745	1	Mid	0.01	0.011	18.70	19.30	1.148	0.013	/
	State3&5		Top Edge	10	132322	1745	50	Mid	0.12	0.009	18.65	19.30	1.161	0.010	/
	State3&5		Bottom Edge	10	132322	1745	1	Mid	-0.12	0.276	18.70	19.30	1.148	0.317	/
	State3&5		Bottom Edge	10	132322	1745	50	Mid	-0.15	0.266	18.65	19.30	1.161	0.309	/
Ant.5	State3&5	QPSK	Front Side	10	132322	1745	1	Mid	0.09	0.095	18.70	19.30	1.148	0.109	/
	State3&5		Front Side	10	132322	1745	50	Low	0.18	0.091	18.72	19.30	1.143	0.104	/
	State3&5		Back Side	10	132322	1745	1	Mid	-0.12	0.126	18.70	19.30	1.148	0.145	/
	State3&5		Back Side	10	132322	1745	50	Low	0.12	0.121	18.72	19.30	1.143	0.138	/
	State3&5		Left Edge	10	132322	1745	1	Mid	0.03	0.012	18.70	19.30	1.148	0.014	/
	State3&5		Left Edge	10	132322	1745	50	Low	-0.13	0.009	18.72	19.30	1.143	0.010	/
	State3&5		Right Edge	10	132322	1745	1	Mid	0.09	0.211	18.70	19.30	1.148	0.242	/
	State3&5		Right Edge	10	132322	1745	50	Low	-0.09	0.208	18.72	19.30	1.143	0.238	/
	State3&5		Top Edge	10	132322	1745	1	Mid	0.08	0.014	18.70	19.30	1.148	0.016	/
	State3&5		Top Edge	10	132322	1745	50	Low	0.05	0.012	18.72	19.30	1.143	0.014	/
	State3&5		Bottom Edge	10	132322	1745	1	Mid	-0.07	0.007	18.70	19.30	1.148	0.008	/
	State3&5		Bottom Edge	10	132322	1745	50	Low	-0.11	0.005	18.72	19.30	1.143	0.006	/

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

11.15 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.3	State2	QPSK	Left Cheek	0	38000	2595	1	Mid	0.12	0.311	17.23	18.30	1.279	0.398	/
	State2		Left Cheek	0	38000	2595	50	Low	-0.17	0.306	17.13	18.30	1.309	0.401	/
	State2		Left Tilt	0	38000	2595	1	Mid	0.03	0.343	17.23	18.30	1.279	0.439	/
	State2		Left Tilt	0	38000	2595	50	Low	0.09	0.326	17.13	18.30	1.309	0.427	/
	State2		Right Cheek	0	38000	2595	1	Mid	0.00	0.615	17.23	18.30	1.279	0.787	/
	State2		Right Cheek	0	38000	2595	50	Low	0.06	0.602	17.13	18.30	1.309	0.788	/
	State2		Right Tilt	0	38000	2595	1	Mid	0.07	0.635	17.23	18.30	1.279	0.812	46#
	State2		Right Tilt	0	38000	2595	50	Low	0.13	0.611	17.13	18.30	1.309	0.800	/
	State4&6	QPSK	Left Cheek	0	38000	2595	1	Mid	-0.08	0.203	15.17	16.30	1.297	0.263	/
	State4&6		Left Cheek	0	38000	2595	50	Low	-0.09	0.198	15.13	16.30	1.309	0.259	/
	State4&6		Left Tilt	0	38000	2595	1	Mid	-0.08	0.226	15.17	16.30	1.297	0.293	/
	State4&6		Left Tilt	0	38000	2595	50	Low	0.10	0.218	15.13	16.30	1.309	0.285	/
	State4&6		Right Cheek	0	38000	2595	1	Mid	-0.18	0.371	15.17	16.30	1.297	0.481	/
	State4&6		Right Cheek	0	38000	2595	50	Low	-0.13	0.365	15.13	16.30	1.309	0.478	/
State4&6	Right Tilt		0	38000	2595	1	Mid	0.08	0.412	15.17	16.30	1.297	0.534	/	
State4&6	Right Tilt		0	38000	2595	50	Low	-0.05	0.399	15.13	16.30	1.309	0.522	/	
Ant.4	State2&4&6	QPSK	Left Cheek	0	38000	2595	1	High	0.15	0.137	23.95	24.30	1.084	0.149	/
	State2&4&6		Left Cheek	0	38000	2595	50	Low	-0.16	0.107	22.87	23.30	1.104	0.118	/
	State2&4&6		Left Tilt	0	38000	2595	1	High	-0.09	0.054	23.95	24.30	1.084	0.059	/
	State2&4&6		Left Tilt	0	38000	2595	50	Low	0.05	0.041	22.87	23.30	1.104	0.045	/
	State2&4&6		Right Cheek	0	38000	2595	1	High	-0.17	0.083	23.95	24.30	1.084	0.090	/
	State2&4&6		Right Cheek	0	38000	2595	50	Low	-0.08	0.072	22.87	23.30	1.104	0.079	/
	State2&4&6		Right Tilt	0	38000	2595	1	High	-0.09	0.071	23.95	24.30	1.084	0.077	/
	State2&4&6		Right Tilt	0	38000	2595	50	Low	-0.06	0.056	22.87	23.30	1.104	0.062	/
Ant.5	State2	QPSK	Left Cheek	0	38000	2595	1	Low	0.05	0.353	20.42	21.30	1.225	0.432	/
	State2		Left Cheek	0	38000	2595	50	Mid	-0.13	0.349	20.39	21.30	1.233	0.430	/
	State2		Left Tilt	0	38000	2595	1	Low	-0.16	0.091	20.42	21.30	1.225	0.111	/
	State2		Left Tilt	0	38000	2595	50	Mid	-0.03	0.088	20.39	21.30	1.233	0.109	/
	State2		Right Cheek	0	38000	2595	1	Low	-0.06	0.558	20.42	21.30	1.225	0.684	/
	State2		Right Cheek	0	38000	2595	50	Mid	-0.10	0.542	20.39	21.30	1.233	0.668	/
	State2		Right Tilt	0	38000	2595	1	Low	-0.11	0.140	20.42	21.30	1.225	0.172	/

	State2		Right Tilt	0	38000	2595	50	Mid	0.19	0.131	20.39	21.30	1.233	0.162	/
	State4&6	QPSK	Left Cheek	0	38000	2595	1	Low	-0.12	0.218	18.43	19.30	1.222	0.266	/
	State4&6		Left Cheek	0	38000	2595	50	Mid	0.10	0.215	18.40	19.30	1.230	0.264	/
	State4&6		Left Tilt	0	38000	2595	1	Low	0.11	0.043	18.43	19.30	1.222	0.053	/
	State4&6		Left Tilt	0	38000	2595	50	Mid	0.00	0.048	18.40	19.30	1.230	0.059	/
	State4&6		Right Cheek	0	38000	2595	1	Low	0.11	0.344	18.43	19.30	1.222	0.420	/
	State4&6		Right Cheek	0	38000	2595	50	Mid	0.16	0.351	18.40	19.30	1.230	0.432	/
	State4&6		Right Tilt	0	38000	2595	1	Low	-0.12	0.082	18.43	19.30	1.222	0.100	/
	State4&6		Right Tilt	0	38000	2595	50	Mid	-0.14	0.075	18.40	19.30	1.230	0.092	/
Body-worn															
Ant.3	State1	QPSK	Front Side	15	38000	2595	1	Low	0.02	0.128	21.62	22.80	1.312	0.168	/
	State1		Front Side	15	38000	2595	50	Low	-0.06	0.122	21.58	22.80	1.324	0.162	/
	State1		Back Side	15	38000	2595	1	Low	-0.01	0.199	21.62	22.80	1.312	0.261	48#
	State1		Back Side	15	38000	2595	50	Low	-0.10	0.185	21.58	22.80	1.324	0.245	/
	State3&5	QPSK	Front Side	15	38000	2595	1	Low	-0.03	0.075	19.18	20.30	1.294	0.097	/
	State3&5		Front Side	15	38000	2595	50	Low	-0.06	0.072	19.11	20.30	1.315	0.095	/
	State3&5		Back Side	15	38000	2595	1	Low	-0.18	0.121	19.18	20.30	1.294	0.157	/
	State3&5		Back Side	15	38000	2595	50	Low	0.11	0.116	19.11	20.30	1.315	0.153	/
Ant.4	State1	QPSK	Front Side	15	38000	2595	1	Low	0.04	0.129	22.63	23.30	1.167	0.151	/
	State1		Front Side	15	38000	2595	50	Low	0.19	0.106	22.58	23.30	1.180	0.125	/
	State1		Back Side	15	38000	2595	1	Low	0.09	0.195	22.63	23.30	1.167	0.228	/
	State1		Back Side	15	38000	2595	50	Low	0.02	0.160	22.58	23.30	1.180	0.189	/
	State3&5	QPSK	Front Side	15	38000	2595	1	Low	-0.14	0.065	20.10	20.80	1.175	0.076	/
	State3&5		Front Side	15	38000	2595	50	Low	0.14	0.063	20.03	20.80	1.194	0.075	/
	State3&5		Back Side	15	38000	2595	1	Low	-0.12	0.121	20.10	20.80	1.175	0.142	/
	State3&5		Back Side	15	38000	2595	50	Low	-0.15	0.118	20.03	20.80	1.194	0.141	/
Ant.5	State1	QPSK	Front Side	15	38000	2595	1	Mid	-0.02	0.101	22.18	22.80	1.153	0.116	/
	State1		Front Side	15	38000	2595	50	Mid	-0.12	0.082	21.16	21.80	1.159	0.095	/
	State1		Back Side	15	38000	2595	1	Mid	-0.09	0.145	22.18	22.80	1.153	0.167	/
	State1		Back Side	15	38000	2595	50	Mid	-0.02	0.118	21.16	21.80	1.159	0.137	/
	State3&5	QPSK	Front Side	15	38000	2595	1	Low	-0.16	0.063	19.45	20.30	1.216	0.077	/
	State3&5		Front Side	15	38000	2595	50	Mid	-0.07	0.055	19.38	20.30	1.236	0.068	/
	State3&5		Back Side	15	38000	2595	1	Low	0.18	0.074	19.45	20.30	1.216	0.090	/
	State3&5		Back Side	15	38000	2595	50	Mid	-0.14	0.073	19.38	20.30	1.236	0.090	/
Hotspot															
Ant.3	State3&5	QPSK	Front Side	10	38000	2595	1	Low	-0.17	0.193	19.18	20.30	1.294	0.250	/
	State3&5		Front Side	10	38000	2595	50	Low	0.07	0.188	19.11	20.30	1.315	0.247	/

	State3&5		Back Side	10	38000	2595	1	Low	-0.05	0.236	19.18	20.30	1.294	0.305	/
	State3&5		Back Side	10	38000	2595	50	Low	0.16	0.231	19.11	20.30	1.315	0.304	/
	State3&5		Left Edge	10	38000	2595	1	Low	-0.16	0.025	19.18	20.30	1.294	0.032	/
	State3&5		Left Edge	10	38000	2595	50	Low	-0.14	0.028	19.11	20.30	1.315	0.037	/
	State3&5		Right Edge	10	38000	2595	1	Low	0.12	0.088	19.18	20.30	1.294	0.114	/
	State3&5		Right Edge	10	38000	2595	50	Low	0.08	0.084	19.11	20.30	1.315	0.110	/
	State3&5		Top Edge	10	38000	2595	1	Low	0.03	0.248	19.18	20.30	1.294	0.321	/
	State3&5		Top Edge	10	38000	2595	50	Low	-0.18	0.244	19.11	20.30	1.315	0.321	/
	State3&5		Bottom Edge	10	38000	2595	1	Low	-0.01	0.016	19.18	20.30	1.294	0.021	/
	State3&5		Bottom Edge	10	38000	2595	50	Low	0.01	0.014	19.11	20.30	1.315	0.018	/
Ant.4	State3&5	QPSK	Front Side	10	38000	2595	1	Low	-0.13	0.131	20.10	20.80	1.175	0.154	/
	State3&5		Front Side	10	38000	2595	50	Low	0.10	0.128	20.03	20.80	1.194	0.153	/
	State3&5		Back Side	10	38000	2595	1	Low	0.12	0.183	20.10	20.80	1.175	0.215	/
	State3&5		Back Side	10	38000	2595	50	Low	-0.04	0.176	20.03	20.80	1.194	0.210	/
	State3&5		Left Edge	10	38000	2595	1	Low	-0.13	0.031	20.10	20.80	1.175	0.036	/
	State3&5		Left Edge	10	38000	2595	50	Low	0.02	0.033	20.03	20.80	1.194	0.039	/
	State3&5		Right Edge	10	38000	2595	1	Low	-0.02	0.053	20.10	20.80	1.175	0.062	/
	State3&5		Right Edge	10	38000	2595	50	Low	0.16	0.051	20.03	20.80	1.194	0.061	/
	State3&5		Top Edge	10	38000	2595	1	Low	-0.15	0.016	20.10	20.80	1.175	0.019	/
	State3&5		Top Edge	10	38000	2595	50	Low	-0.15	0.015	20.03	20.80	1.194	0.018	/
	State3&5		Bottom Edge	10	38000	2595	1	Low	-0.03	0.323	20.10	20.80	1.175	0.380	50#
	State3&5		Bottom Edge	10	38000	2595	50	Low	0.05	0.299	20.03	20.80	1.194	0.357	/
Ant.5	State3&5	QPSK	Front Side	10	38000	2595	1	Low	0.09	0.134	19.45	20.30	1.216	0.163	/
	State3&5		Front Side	10	38000	2595	50	Mid	-0.16	0.125	19.38	20.30	1.236	0.155	/
	State3&5		Back Side	10	38000	2595	1	Low	0.13	0.199	19.45	20.30	1.216	0.242	/
	State3&5		Back Side	10	38000	2595	50	Mid	-0.07	0.178	19.38	20.30	1.236	0.220	/
	State3&5		Left Edge	10	38000	2595	1	Low	0.00	0.013	19.45	20.30	1.216	0.016	/
	State3&5		Left Edge	10	38000	2595	50	Mid	0.09	0.011	19.38	20.30	1.236	0.014	/
	State3&5		Right Edge	10	38000	2595	1	Low	-0.11	0.223	19.45	20.30	1.216	0.271	/
	State3&5		Right Edge	10	38000	2595	50	Mid	0.07	0.216	19.38	20.30	1.236	0.267	/
	State3&5		Top Edge	10	38000	2595	1	Low	0.04	0.002	19.45	20.30	1.216	0.002	/
	State3&5		Top Edge	10	38000	2595	50	Mid	0.09	0.003	19.38	20.30	1.236	0.004	/
	State3&5		Bottom Edge	10	38000	2595	1	Low	-0.03	0.002	19.45	20.30	1.216	0.002	/
	State3&5		Bottom Edge	10	38000	2595	50	Mid	0.16	0.001	19.38	20.30	1.236	0.001	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.16 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.3	State2	QPSK	Right Tilt	0	38099+ 37901	2604.9+ 2585.1	1+1	Low+ High	-0.07	0.603	16.56	17.80	1.330	0.802	47#
Body-worn-CA															
Ant.3	State1	QPSK	Back Side	15	38099+ 37901	2604.9+ 2585.1	1+1	Low+ High	-0.08	0.207	22.15	22.30	1.035	0.214	49#
Hotspot-CA															
Ant.4	State3&5	QPSK	Bottom Edge	10	38099+ 37901	2604.9+ 2585.1	1+1	Low+ High	-0.14	0.277	19.56	20.30	1.186	0.329	51#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.17 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.3	State2	QPSK	Left Cheek	0	40620	2593	1	High	-0.10	0.443	17.89	18.80	1.233	0.546	/	
	State2		Left Cheek	0	40620	2593	50	Mid	0.12	0.426	17.81	18.80	1.256	0.535	/	
	State2		Left Tilt	0	40620	2593	1	High	0.10	0.485	17.89	18.80	1.233	0.598	/	
	State2		Left Tilt	0	40620	2593	50	Mid	-0.09	0.474	17.81	18.80	1.256	0.595	/	
	State2		Right Cheek	0	40620	2593	1	High	-0.11	0.834	17.89	18.80	1.233	1.028	/	
	State2		Right Cheek	0	39750	2506	1	Mid	0.16	0.768	17.66	18.80	1.300	0.998	/	
	State2		Right Cheek	0	40185	2549.5	1	Mid	0.13	0.753	17.76	18.80	1.271	0.957	/	
	State2		Right Cheek	0	41055	2636.5	1	High	0.15	0.758	17.75	18.80	1.274	0.966	/	
	State2		Right Cheek	0	41490	2680	1	Mid	0.08	0.728	17.88	18.80	1.236	0.900	/	
	State2		Right Cheek	0	40620	2593	50	Mid	-0.17	0.806	17.81	18.80	1.256	1.012	/	
	State2		Right Cheek	0	39750	2506	50	Mid	-0.01	0.705	17.66	18.80	1.300	0.917	/	
	State2		Right Cheek	0	40185	2549.5	50	Low	0.01	0.707	17.78	18.80	1.265	0.894	/	
	State2		Right Cheek	0	41055	2636.5	50	Mid	0.11	0.712	17.80	18.80	1.259	0.896	/	
	State2		Right Cheek	0	41490	2680	50	Low	-0.14	0.696	17.80	18.80	1.259	0.876	/	
	State2		Right Cheek	0	40185	2549.5	100	Low	0.09	0.674	17.78	18.80	1.265	0.853	/	
	State2		Right Tilt	0	40620	2593	1	High	0.16	0.915	17.89	18.80	1.233	1.128	52#	
	State2		Right Tilt	0	40620	2593	50	Mid	-0.06	0.756	17.81	18.80	1.256	0.950	/	
	State2		Right Tilt	0	39750	2506	1	Mid	-0.01	0.565	17.66	18.80	1.300	0.735	/	
	State2		Right Tilt	0	40185	2549.5	1	Mid	-0.18	0.623	17.76	18.80	1.271	0.792	/	
	State2		Right Tilt	0	41055	2636.5	1	High	-0.03	0.845	17.75	18.80	1.274	1.077	/	
	State2		Right Tilt	0	41490	2680	1	Mid	-0.06	0.828	17.88	18.80	1.236	1.023	/	
	State2		Right Tilt	0	39750	2506	50	Mid	-0.14	0.834	17.66	18.80	1.300	1.084	/	
	State2		Right Tilt	0	40185	2549.5	50	Low	-0.04	0.815	17.78	18.80	1.265	1.031	/	
	State2		Right Tilt	0	41055	2636.5	50	Mid	0.02	0.800	17.80	18.80	1.259	1.007	/	
	State2		Right Tilt	0	41490	2680	50	Low	0.16	0.801	17.80	18.80	1.259	1.008	/	
	State2		Right Tilt	0	40185	2549.5	100	Low	0.11	0.785	17.78	18.80	1.265	0.993	/	
	State4&6		QPSK	Left Cheek	0	40620	2593	1	Mid	-0.02	0.247	15.82	16.80	1.253	0.309	/
	State4&6			Left Cheek	0	40620	2593	50	Low	-0.19	0.255	15.77	16.80	1.268	0.323	/
	State4&6			Left Tilt	0	40620	2593	1	Mid	-0.04	0.316	15.82	16.80	1.253	0.396	/
	State4&6			Left Tilt	0	40620	2593	50	Low	0.18	0.309	15.77	16.80	1.268	0.392	/
	State4&6			Right Cheek	0	40620	2593	1	Mid	-0.14	0.534	15.82	16.80	1.253	0.669	/

	State4&6		Right Cheek	0	40620	2593	50	Low	0.07	0.528	15.77	16.80	1.268	0.670	/
	State4&6		Right Tilt	0	40620	2593	1	Mid	0.19	0.585	15.82	16.80	1.253	0.733	/
	State4&6		Right Tilt	0	40620	2593	50	Low	0.07	0.563	15.77	16.80	1.268	0.714	/
Ant.4	State2&4&6	QPSK	Left Cheek	0	40620	2593	1	Mid	0.00	0.160	23.76	23.80	1.009	0.161	/
	State2&4&6		Left Cheek	0	40620	2593	50	Mid	-0.19	0.126	22.69	22.80	1.026	0.129	/
	State2&4&6		Left Tilt	0	40620	2593	1	Mid	-0.04	0.060	23.76	23.80	1.009	0.061	/
	State2&4&6		Left Tilt	0	40620	2593	50	Mid	0.00	0.046	22.69	22.80	1.026	0.047	/
	State2&4&6		Right Cheek	0	40620	2593	1	Mid	0.15	0.096	23.76	23.80	1.009	0.097	/
	State2&4&6		Right Cheek	0	40620	2593	50	Mid	-0.05	0.090	22.69	22.80	1.026	0.092	/
	State2&4&6		Right Tilt	0	40620	2593	1	Mid	-0.14	0.081	23.76	23.80	1.009	0.082	/
	State2&4&6		Right Tilt	0	40620	2593	50	Mid	-0.02	0.071	22.69	22.80	1.026	0.073	/
Ant.5	State2	QPSK	Left Cheek	0	40620	2593	1	Mid	-0.13	0.511	21.03	21.80	1.194	0.610	/
	State2		Left Cheek	0	40620	2593	50	High	-0.10	0.465	20.51	21.30	1.199	0.558	/
	State2		Left Tilt	0	40620	2593	1	Mid	-0.08	0.141	21.03	21.80	1.194	0.168	/
	State2		Left Tilt	0	40620	2593	50	High	0.06	0.128	20.51	21.30	1.199	0.153	/
	State2		Right Cheek	0	40620	2593	1	Mid	0.19	0.823	21.03	21.80	1.194	0.983	/
	State2		Right Cheek	0	40620	2593	50	High	-0.01	0.665	20.51	21.30	1.199	0.797	/
	State2		Right Tilt	0	40620	2593	1	Mid	0.02	0.234	21.03	21.80	1.194	0.279	/
	State2		Right Tilt	0	40620	2593	50	High	-0.18	0.185	20.51	21.30	1.199	0.222	/
	State2		Right Cheek	0	39750	2506	1	Mid	0.15	0.786	21.02	21.80	1.197	0.941	/
	State2		Right Cheek	0	40185	2549.5	1	Mid	-0.11	0.774	21.03	21.80	1.194	0.924	/
	State2	Right Cheek	0	41055	2636.5	1	Mid	-0.12	0.745	20.99	21.80	1.205	0.898	/	
	State2	Right Cheek	0	41490	2680	1	Mid	0.02	0.565	20.66	21.80	1.300	0.735	/	
	State2	Right Cheek	0	41055	2636.5	100	Low	0.01	0.589	20.50	21.30	1.202	0.708	/	
	State4&6	QPSK	Left Cheek	0	40620	2593	1	Mid	-0.18	0.332	19.08	19.80	1.180	0.392	/
	State4&6		Left Cheek	0	40620	2593	50	Low	0.12	0.321	19.07	19.80	1.183	0.380	/
	State4&6		Left Tilt	0	40620	2593	1	Mid	-0.02	0.085	19.08	19.80	1.180	0.100	/
	State4&6		Left Tilt	0	40620	2593	50	Low	-0.04	0.074	19.07	19.80	1.183	0.088	/
	State4&6		Right Cheek	0	40620	2593	1	Mid	-0.13	0.523	19.08	19.80	1.180	0.617	/
	State4&6		Right Cheek	0	40620	2593	50	Low	-0.10	0.506	19.07	19.80	1.183	0.599	/
	State4&6		Right Tilt	0	40620	2593	1	Mid	0.06	0.153	19.08	19.80	1.180	0.181	/
State4&6	Right Tilt		0	40620	2593	50	Low	-0.05	0.148	19.07	19.80	1.183	0.175	/	
Head Worse case for PC2															
Ant.3	State2	QPSK	Right Tilt	0	40620	2593	1	High	0.05	0.908	19.92	20.80	1.225	1.112	/
Body-worn															
Ant.3	State1	QPSK	Front Side	15	40620	2593	1	High	-0.12	0.191	22.70	23.30	1.148	0.219	/
	State1		Front Side	15	40620	2593	50	Mid	-0.17	0.163	21.59	22.30	1.178	0.192	/

	State1		Back Side	15	40620	2593	1	High	0.06	0.285	22.70	23.30	1.148	0.327	54#
	State1		Back Side	15	40620	2593	50	Mid	-0.12	0.241	21.59	22.30	1.178	0.284	/
	State3&5	QPSK	Front Side	15	40620	2593	1	Mid	-0.14	0.112	19.93	20.80	1.222	0.137	/
	State3&5		Front Side	15	40620	2593	50	Low	0.07	0.109	19.84	20.80	1.247	0.136	/
	State3&5		Back Side	15	40620	2593	1	Mid	0.02	0.151	19.93	20.80	1.222	0.185	/
	State3&5		Back Side	15	40620	2593	50	Low	0.12	0.148	19.84	20.80	1.247	0.185	/
Ant.4	State1	QPSK	Front Side	15	40620	2593	1	Mid	0.05	0.181	23.76	23.80	1.009	0.183	/
	State1		Front Side	15	40620	2593	50	Mid	0.07	0.146	22.69	22.80	1.026	0.150	/
	State1		Back Side	15	40620	2593	1	Mid	0.06	0.254	23.76	23.80	1.009	0.256	/
	State1		Back Side	15	40620	2593	50	Mid	-0.17	0.211	22.69	22.80	1.026	0.216	/
	State3&5	QPSK	Front Side	15	40620	2593	1	Mid	0.13	0.112	20.85	21.30	1.109	0.124	/
	State3&5		Front Side	15	40620	2593	50	Mid	0.08	0.108	20.78	21.30	1.127	0.122	/
	State3&5		Back Side	15	40620	2593	1	Mid	-0.06	0.131	20.85	21.30	1.109	0.145	/
	State3&5		Back Side	15	40620	2593	50	Mid	-0.16	0.135	20.78	21.30	1.127	0.152	/
Ant.5	State1	QPSK	Front Side	15	40620	2593	1	Mid	-0.02	0.131	21.79	22.30	1.125	0.147	/
	State1		Front Side	15	40620	2593	50	Mid	-0.18	0.105	20.73	21.30	1.140	0.120	/
	State1		Back Side	15	40620	2593	1	Mid	0.05	0.190	21.79	22.30	1.125	0.214	/
	State1		Back Side	15	40620	2593	50	Mid	-0.04	0.153	20.73	21.30	1.140	0.174	/
	State3&5	QPSK	Front Side	15	40620	2593	1	Mid	-0.18	0.104	20.52	21.30	1.197	0.125	/
	State3&5		Front Side	15	40620	2593	50	Mid	0.09	0.101	20.50	21.30	1.202	0.121	/
	State3&5		Back Side	15	40620	2593	1	Mid	0.01	0.148	20.52	21.30	1.197	0.177	/
	State3&5		Back Side	15	40620	2593	50	Mid	-0.17	0.144	20.50	21.30	1.202	0.173	/
Body-worn Worse case for PC2															
Ant.3	State1	QPSK	Back Side	15	40620	2593	1	High	0.02	0.279	24.66	25.30	1.159	0.323	/
Hotspot															
Ant.3	State3&5	QPSK	Front Side	10	41490	2680	1	Mid	0.07	0.231	19.93	20.80	1.222	0.282	/
	State3&5		Front Side	10	40620	2593	50	Low	-0.04	0.221	19.84	20.80	1.247	0.276	/
	State3&5		Back Side	10	41490	2680	1	Mid	0.10	0.274	19.93	20.80	1.222	0.335	/
	State3&5		Back Side	10	40620	2593	50	Low	-0.05	0.263	19.84	20.80	1.247	0.328	/
	State3&5		Left Edge	10	41490	2680	1	Mid	0.09	0.042	19.93	20.80	1.222	0.051	/
	State3&5		Left Edge	10	40620	2593	50	Low	-0.08	0.038	19.84	20.80	1.247	0.047	/
	State3&5		Right Edge	10	41490	2680	1	Mid	0.05	0.134	19.93	20.80	1.222	0.164	/
	State3&5		Right Edge	10	40620	2593	50	Low	0.11	0.122	19.84	20.80	1.247	0.152	/
	State3&5		Top Edge	10	41490	2680	1	Mid	0.10	0.677	19.93	20.80	1.222	0.827	56#
	State3&5		Top Edge	10	40620	2593	50	Low	-0.16	0.366	19.84	20.80	1.247	0.456	/
	State3&5		Bottom Edge	10	40620	2593	1	Mid	0.10	0.018	19.93	20.80	1.222	0.022	/
	State3&5		Bottom Edge	10	40620	2593	50	Low	-0.11	0.016	19.84	20.80	1.247	0.020	/

	State3&5		Top Edge	10	39750	2506	1	Mid	0.05	0.346	19.73	20.80	1.279	0.443	/
	State3&5		Top Edge	10	40185	2549.5	1	Mid	0.10	0.336	19.77	20.80	1.268	0.426	/
	State3&5		Top Edge	10	40620	2593	1	Mid	0.08	0.371	19.91	20.80	1.227	0.455	/
	State3&5		Top Edge	10	41055	2636.5	1	Mid	0.18	0.523	19.76	20.80	1.271	0.665	/
	State3&5		Top Edge	10	41490	2680	100	Low	0.02	0.601	19.75	20.80	1.274	0.766	/
Ant.4	State3&5	QPSK	Front Side	10	40620	2593	1	Mid	0.00	0.182	20.85	21.30	1.109	0.202	/
	State3&5		Front Side	10	40620	2593	50	Mid	-0.06	0.176	20.78	21.30	1.127	0.198	/
	State3&5		Back Side	10	40620	2593	1	Mid	0.00	0.226	20.85	21.30	1.109	0.251	/
	State3&5		Back Side	10	40620	2593	50	Mid	-0.07	0.218	20.78	21.30	1.127	0.246	/
	State3&5		Left Edge	10	40620	2593	1	Mid	-0.04	0.043	20.85	21.30	1.109	0.048	/
	State3&5		Left Edge	10	40620	2593	50	Mid	0.02	0.041	20.78	21.30	1.127	0.046	/
	State3&5		Right Edge	10	40620	2593	1	Mid	0.12	0.065	20.85	21.30	1.109	0.072	/
	State3&5		Right Edge	10	40620	2593	50	Mid	0.02	0.066	20.78	21.30	1.127	0.074	/
	State3&5		Top Edge	10	40620	2593	1	Mid	-0.15	0.006	20.85	21.30	1.109	0.007	/
	State3&5		Top Edge	10	40620	2593	50	Mid	0.11	0.006	20.78	21.30	1.127	0.007	/
	State3&5		Bottom Edge	10	40620	2593	1	Mid	0.11	0.422	20.85	21.30	1.109	0.468	/
	State3&5		Bottom Edge	10	40620	2593	50	Mid	-0.07	0.419	20.78	21.30	1.127	0.472	/
	Ant.5		State3&5	QPSK	Front Side	10	40620	2593	1	Mid	-0.13	0.211	20.52	21.30	1.197
State3&5		Front Side	10		40620	2593	50	Mid	-0.19	0.216	20.50	21.30	1.202	0.260	/
State3&5		Back Side	10		40620	2593	1	Mid	0.07	0.282	20.52	21.30	1.197	0.338	/
State3&5		Back Side	10		40620	2593	50	Mid	-0.02	0.277	20.50	21.30	1.202	0.333	/
State3&5		Left Edge	10		40620	2593	1	Mid	0.19	0.008	20.52	21.30	1.197	0.010	/
State3&5		Left Edge	10		40620	2593	50	Mid	-0.12	0.007	20.50	21.30	1.202	0.008	/
State3&5		Right Edge	10		40620	2593	1	Mid	-0.12	0.361	20.52	21.30	1.197	0.432	/
State3&5		Right Edge	10		40620	2593	50	Mid	-0.18	0.355	20.50	21.30	1.202	0.427	/
State3&5		Top Edge	10		40620	2593	1	Mid	0.04	0.045	20.52	21.30	1.197	0.054	/
State3&5		Top Edge	10		40620	2593	50	Mid	-0.04	0.043	20.50	21.30	1.202	0.052	/
State3&5		Bottom Edge	10		40620	2593	1	Mid	0.10	0.004	20.52	21.30	1.197	0.005	/
State3&5		Bottom Edge	10		40620	2593	50	Mid	0.03	0.003	20.50	21.30	1.202	0.004	/
Hotspot Worse case for PC2															
Ant.3	State3&5	QPSK	Top Edge	10	41490	2680	1	Mid	-0.13	0.670	21.98	22.80	1.208	0.809	/
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.3	State1	QPSK	Top Edge	10	40620	2593	1	High	0.11	2.420	24.70	25.30	1.148	2.778	58#
	State1		Top Edge	10	40620	2593	50	Mid	0.03	2.310	23.59	24.30	1.178	2.721	/
Ant.3	State3&5	QPSK	Top Edge	10	40620	2593	1	Mid	-0.05	1.360	21.93	22.80	1.222	1.662	/
	State3&5		Top Edge	10	40620	2593	50	Low	0.07	1.300	21.84	22.80	1.247	1.621	/
Specific Worse case for PC2															
Ant.3	State1	QPSK	Top Edge	10	40620	2593	1	High	-0.02	2.350	24.66	25.30	1.159	2.724	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.18 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.3	State2	QPSK	Right Tilt	0	40620 +40818	2593 +2612.8	1+1	High +Low	0.06	0.869	17.92	18.80	1.225	1.065	53#
Body-worn-CA															
Ant.3	State1	QPSK	Back Side	15	40620 +40818	2593 +2612.8	1+1	High +Low	0.05	0.227	22.42	23.30	1.225	0.278	55#
Hotspot-CA															
Ant.3	State3&5	QPSK	Top Edge	10	41490 +41292	2680 +2660.2	1+1	Low +High	0.09	0.678	20.06	20.80	1.186	0.804	57#
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.3	State1	QPSK	Top Edge	0	40620 +40818	2593 +2612.8	1+1	High +Low	-0.15	2.310	22.42	23.30	1.225	2.830	94#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.19 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&4&6	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	106	1	53	-0.19	0.092	23.47	24.70	1.327	0.122	/				
					0	167300	836.5	106	50	28	0.13	0.091	23.57	24.70	1.297	0.118	/				
				Left Tilt	0	167300	836.5	106	1	53	0.07	0.084	23.47	24.70	1.327	0.112	/				
					0	167300	836.5	106	50	28	-0.06	0.081	23.57	24.70	1.297	0.105	/				
				Right Cheek	0	167300	836.5	106	1	53	0.07	0.180	23.47	24.70	1.327	0.239	59#				
					0	167300	836.5	106	50	28	0.03	0.179	23.57	24.70	1.297	0.232	/				
				Right Tilt	0	167300	836.5	106	1	53	-0.05	0.152	23.47	24.70	1.327	0.202	/				
					0	167300	836.5	106	50	28	-0.06	0.147	23.57	24.70	1.297	0.191	/				
				Ant.0	State2&4&6	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	106	1	53	0.01	0.075	23.13	24.20	1.279	0.096	/
									0	167300	836.5	106	50	28	-0.02	0.082	23.11	24.20	1.285	0.105	/
								Left Tilt	0	167300	836.5	106	1	53	0.06	0.049	23.13	24.20	1.279	0.063	/
									0	167300	836.5	106	50	28	-0.09	0.057	23.11	24.20	1.285	0.073	/
Right Cheek	0	167300	836.5					106	1	53	0.00	0.083	23.13	24.20	1.279	0.106	/				
	0	167300	836.5					106	50	28	0.01	0.107	23.11	24.20	1.285	0.138	/				
Right Tilt	0	167300	836.5					106	1	53	-0.13	0.072	23.13	24.20	1.279	0.092	/				
	0	167300	836.5					106	50	28	0.03	0.074	23.11	24.20	1.285	0.095	/				
Body-worn																					
Ant.1	State1&3&5	DFT-s-OFDM BPSK	SA					Front Side	15	167300	836.5	106	1	53	0.03	0.016	23.47	24.70	1.327	0.021	/
									15	167300	836.5	106	50	28	0.04	0.015	23.57	24.70	1.297	0.019	/
								Back Side	15	167300	836.5	106	1	53	-0.06	0.033	23.47	24.70	1.327	0.044	/
				15	167300	836.5	106		50	28	0.05	0.028	23.57	24.70	1.297	0.036	/				
Ant.0	State1	DFT-s-OFDM BPSK	SA	Front Side	15	167300	836.5	106	1	53	-0.01	0.092	23.13	24.20	1.279	0.118	/				
					15	167300	836.5	106	50	28	0.08	0.095	23.11	24.20	1.285	0.122	/				
				Back Side	15	167300	836.5	106	1	53	0.06	0.115	23.13	24.20	1.279	0.147	/				
					15	167300	836.5	106	50	28	0.06	0.118	23.11	24.20	1.285	0.152	60#				
Ant.0	State3&5	DFT-s-OFDM BPSK	SA	Front Side	15	167300	836.5	106	1	53	-0.11	0.078	22.56	23.70	1.300	0.101	/				
					15	167300	836.5	106	50	28	0.16	0.079	22.76	23.70	1.242	0.098	/				
				Back Side	15	167300	836.5	106	1	53	0.11	0.112	22.56	23.70	1.300	0.146	/				
					15	167300	836.5	106	50	28	0.08	0.108	22.76	23.70	1.242	0.134	/				
Hotspot																					
Ant.1	State3&5		SA	Front Side	10	167300	836.5	106	1	53	0.16	0.031	23.47	24.70	1.327	0.041	/				

		DFT-s-OFDM BPSK			10	167300	836.5	106	50	28	0.02	0.028	23.57	24.70	1.297	0.036	/				
				Back Side	10	167300	836.5	106	1	53	-0.06	0.064	23.47	24.70	1.327	0.085	/				
					10	167300	836.5	106	50	28	-0.04	0.063	23.57	24.70	1.297	0.082	/				
				Left Edge	10	167300	836.5	106	1	53	-0.04	0.013	23.47	24.70	1.327	0.017	/				
					10	167300	836.5	106	50	28	-0.16	0.016	23.57	24.70	1.297	0.021	/				
				Right Edge	10	167300	836.5	106	1	53	0.14	0.011	23.47	24.70	1.327	0.015	/				
					10	167300	836.5	106	50	28	-0.01	0.008	23.57	24.70	1.297	0.010	/				
				Top Edge	10	167300	836.5	106	1	53	0.15	0.043	23.47	24.70	1.327	0.057	/				
					10	167300	836.5	106	50	28	-0.03	0.042	23.57	24.70	1.297	0.054	/				
				Bottom Edge	10	167300	836.5	106	1	53	-0.02	0.006	23.47	24.70	1.327	0.008	/				
					10	167300	836.5	106	50	28	0.00	0.005	23.57	24.70	1.297	0.006	/				
				Ant.0	State3&5	DFT-s-OFDM BPSK	SA	Front Side	10	167300	836.5	106	1	53	-0.06	0.162	23.13	24.20	1.279	0.207	/
									10	167300	836.5	106	50	28	-0.14	0.148	23.11	24.20	1.285	0.190	/
								Back Side	10	167300	836.5	106	1	53	0.06	0.185	23.13	24.20	1.279	0.237	/
10	167300	836.5	106						50	28	0.03	0.190	23.11	24.20	1.285	0.244	61#				
Left Edge	10	167300	836.5					106	1	53	0.08	0.181	23.13	24.20	1.279	0.232	/				
	10	167300	836.5					106	50	28	0.07	0.165	23.11	24.20	1.285	0.212	/				
Right Edge	10	167300	836.5					106	1	53	0.14	0.049	23.13	24.20	1.279	0.063	/				
	10	167300	836.5					106	50	28	0.15	0.048	23.11	24.20	1.285	0.062	/				
Top Edge	10	167300	836.5					106	1	53	-0.18	0.023	23.13	24.20	1.279	0.029	/				
	10	167300	836.5					106	50	28	0.10	0.026	23.11	24.20	1.285	0.033	/				
Bottom Edge	10	167300	836.5					106	1	53	-0.14	0.117	23.13	24.20	1.279	0.150	/				
	10	167300	836.5					106	50	28	0.10	0.106	23.11	24.20	1.285	0.136	/				

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

11.20 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.3	State2	DFT-s-OFDM BPSK	SA	Left Cheek	0	502000	2510	106	1	108	-0.14	0.240	17.36	17.70	1.081	0.260	/
	State2				0	507000	2535	106	108	54	0.11	0.286	17.61	17.70	1.021	0.292	/
	State2			Left Tilt	0	502000	2510	106	1	108	-0.14	0.382	17.36	17.70	1.081	0.413	/
	State2				0	507000	2535	106	108	54	0.01	0.437	17.61	17.70	1.021	0.446	/
	State2			Right Cheek	0	502000	2510	106	1	108	0.18	0.603	17.36	17.70	1.081	0.652	/
	State2				0	507000	2535	106	108	54	-0.06	0.663	17.61	17.70	1.021	0.677	/
	State2			Right Tilt	0	502000	2510	106	1	108	0.07	0.618	17.36	17.70	1.081	0.668	/
	State2				0	507000	2535	106	108	54	-0.11	0.648	17.61	17.70	1.021	0.662	/
Ant.3	State4&6	DFT-s-OFDM BPSK	NSA	Left Cheek	0	507000	2535	106	1	108	0.08	0.174	15.38	15.70	1.076	0.187	/
	State4&6				0	507000	2535	106	108	54	0.15	0.183	15.42	15.70	1.067	0.195	/
	State4&6			Left Tilt	0	507000	2535	106	1	108	0.07	0.233	15.38	15.70	1.076	0.251	/
	State4&6				0	507000	2535	106	108	54	0.17	0.265	15.42	15.70	1.067	0.283	/
	State4&6			Right Cheek	0	507000	2535	106	1	108	0.15	0.402	15.38	15.70	1.076	0.433	/
	State4&6				0	507000	2535	106	108	54	0.17	0.411	15.42	15.70	1.067	0.438	/
	State4&6			Right Tilt	0	507000	2535	106	1	108	-0.11	0.388	15.38	15.70	1.076	0.418	/
	State4&6				0	507000	2535	106	108	54	0.13	0.412	15.42	15.70	1.067	0.439	/
Ant.5	State2	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	106	1	108	0.16	0.521	19.08	19.50	1.102	0.574	/
	State2				0	507000	2535	106	108	54	-0.14	0.488	19.20	19.50	1.072	0.523	/
	State2			Left Tilt	0	507000	2535	106	1	108	-0.12	0.121	19.08	19.50	1.102	0.133	/
	State2				0	507000	2535	106	108	54	0.11	0.126	19.20	19.50	1.072	0.135	/
	State2			Right Cheek	0	507000	2535	106	1	108	0.02	0.692	19.08	19.50	1.102	0.762	/
	State2				0	507000	2535	106	108	54	-0.04	0.737	19.20	19.50	1.072	0.790	62#
	State2			Right Tilt	0	507000	2535	106	1	108	0.10	0.203	19.08	19.50	1.102	0.224	/
	State2				0	507000	2535	106	108	54	-0.04	0.196	19.20	19.50	1.072	0.210	/
Ant.5	State4&6	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	106	1	108	-0.02	0.332	17.02	17.50	1.117	0.371	/
	State4&6				0	507000	2535	106	108	54	-0.13	0.321	17.22	17.50	1.067	0.342	/
	State4&6			Left Tilt	0	507000	2535	106	1	108	0.13	0.083	17.02	17.50	1.117	0.093	/
	State4&6				0	507000	2535	106	108	54	-0.03	0.085	17.22	17.50	1.067	0.091	/
	State4&6			Right Cheek	0	507000	2535	106	1	108	0.04	0.426	17.02	17.50	1.117	0.476	/
	State4&6				0	507000	2535	106	108	54	-0.05	0.446	17.22	17.50	1.067	0.476	/
	State4&6			Right Tilt	0	507000	2535	106	1	108	0.07	0.135	17.02	17.50	1.117	0.151	/
	State4&6				0	507000	2535	106	108	54	-0.05	0.135	17.02	17.50	1.117	0.151	/

	State4&6				0	507000	2535	106	108	54	0.14	0.131	17.22	17.50	1.067	0.140	/		
Ant.4	State2&4&6	DFT-s- OFDM BPSK	SA	Left Cheek	0	507000	2535	216	1	108	-0.15	0.310	23.17	24.20	1.268	0.393	/		
	State2&4&6				0	507000	2535	216	108	54	0.18	0.321	23.18	24.20	1.265	0.406	/		
	State2&4&6				0	507000	2535	216	1	108	-0.15	0.077	23.17	24.20	1.268	0.098	/		
	State2&4&6					Left Tilt	0	507000	2535	216	108	54	0.01	0.072	23.18	24.20	1.265	0.091	/
	State2&4&6						0	507000	2535	216	108	54	0.07	0.182	23.18	24.20	1.265	0.230	/
	State2&4&6					Right Cheek	0	507000	2535	216	1	108	-0.08	0.174	23.17	24.20	1.268	0.221	/
	State2&4&6						0	507000	2535	216	108	54	0.07	0.182	23.18	24.20	1.265	0.230	/
	State2&4&6					Right Tilt	0	507000	2535	216	1	108	0.08	0.144	23.17	24.20	1.268	0.183	/
	State2&4&6						0	507000	2535	216	108	54	0.00	0.133	23.18	24.20	1.265	0.168	/
Body-worn																			
Ant.3	State1	DFT-s- OFDM BPSK	SA	Front Side	15	507000	2535	106	1	108	0.09	0.109	20.48	20.70	1.052	0.115	/		
	State1				15	507000	2535	106	108	54	0.05	0.112	20.59	20.70	1.026	0.115	/		
	State1					Back Side	15	507000	2535	106	1	108	-0.14	0.162	20.48	20.70	1.052	0.170	/
	State1						15	507000	2535	106	108	54	-0.18	0.166	20.59	20.70	1.026	0.170	/
Ant.3	State3&5	DFT-s- OFDM BPSK	SA	Front Side	15	507000	2535	106	1	108	-0.17	0.065	17.91	18.20	1.069	0.069	/		
	State3&5				15	507000	2535	106	108	54	0.10	0.068	18.00	18.20	1.047	0.071	/		
	State3&5					Back Side	15	507000	2535	106	1	108	0.17	0.085	17.91	18.20	1.069	0.091	/
	State3&5						15	507000	2535	106	108	54	-0.14	0.088	18.00	18.20	1.047	0.092	/
Ant.5	State1	DFT-s- OFDM BPSK	SA	Front Side	15	507000	2535	106	1	108	0.16	0.123	20.63	21.00	1.089	0.134	/		
	State1				15	507000	2535	106	108	54	0.07	0.125	20.67	21.00	1.079	0.135	/		
	State1					Back Side	15	507000	2535	106	1	108	-0.02	0.186	20.63	21.00	1.089	0.203	/
	State1						15	507000	2535	106	108	54	0.12	0.189	20.67	21.00	1.079	0.204	/
Ant.5	State3&5	DFT-s- OFDM BPSK	SA	Front Side	15	507000	2535	106	1	108	-0.06	0.075	18.04	18.50	1.112	0.083	/		
	State3&5				15	504000	2520	106	108	54	-0.07	0.073	18.09	18.50	1.099	0.080	/		
	State3&5					Back Side	15	507000	2535	106	1	108	-0.16	0.112	18.04	18.50	1.112	0.125	/
	State3&5						15	504000	2520	106	108	54	-0.19	0.110	18.09	18.50	1.099	0.121	/
Ant.4	State1	DFT-s- OFDM BPSK	SA	Front Side	15	507000	2535	106	1	108	0.04	0.203	21.18	21.20	1.005	0.204	/		
	State1				15	507000	2535	106	108	54	-0.08	0.208	21.17	21.20	1.007	0.209	/		
	State1					Back Side	15	507000	2535	106	1	108	0.10	0.255	21.18	21.20	1.005	0.256	/
	State1						15	507000	2535	106	108	54	0.04	0.266	21.17	21.20	1.007	0.268	63#
Ant.4	State3&5	DFT-s- OFDM BPSK	NSA	Front Side	15	507000	2535	106	1	108	-0.03	0.106	18.16	18.70	1.132	0.120	/		
	State3&5				15	507000	2535	106	108	54	0.13	0.108	18.26	18.70	1.107	0.120	/		
	State3&5					Back Side	15	507000	2535	106	1	108	0.09	0.141	18.16	18.70	1.132	0.160	/
	State3&5						15	507000	2535	106	108	54	-0.12	0.144	18.26	18.70	1.107	0.159	/
Hotspot																			
Ant.3	State3&5		SA	Front Side	10	507000	2535	106	1	108	0.01	0.162	17.91	18.20	1.069	0.173	/		
	State3&5					10	507000	2535	106	108	54	-0.03	0.158	18.00	18.20	1.047	0.165	/	

	State3&5	DFT-s-OFDM BPSK		Back Side	10	507000	2535	106	1	108	-0.03	0.177	17.91	18.20	1.069	0.189	/
	State3&5				10	507000	2535	106	108	54	-0.08	0.174	18.00	18.20	1.047	0.182	/
	State3&5			Left Edge	10	507000	2535	106	1	108	0.18	0.061	17.91	18.20	1.069	0.065	/
	State3&5				10	507000	2535	106	108	54	-0.02	0.058	18.00	18.20	1.047	0.061	/
	State3&5			Right Edge	10	507000	2535	106	1	108	0.03	0.086	17.91	18.20	1.069	0.092	/
	State3&5				10	507000	2535	106	108	54	-0.11	0.084	18.00	18.20	1.047	0.088	/
	State3&5			Top Edge	10	507000	2535	106	1	108	-0.06	0.293	17.91	18.20	1.069	0.313	/
	State3&5				10	507000	2535	106	108	54	0.16	0.285	18.00	18.20	1.047	0.298	/
	State3&5			Bottom Edge	10	507000	2535	106	1	108	0.19	0.015	17.91	18.20	1.069	0.016	/
	State3&5				10	507000	2535	106	108	54	0.02	0.013	18.00	18.20	1.047	0.014	/
Ant.5	State3&5	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	106	1	108	0.08	0.142	18.04	18.50	1.112	0.158	/
	State3&5				10	507000	2535	106	108	54	0.04	0.139	18.09	18.50	1.099	0.153	/
	State3&5			Back Side	10	507000	2535	106	1	108	-0.04	0.211	18.04	18.50	1.112	0.235	/
	State3&5				10	507000	2535	106	108	54	-0.05	0.212	18.09	18.50	1.099	0.233	/
	State3&5			Left Edge	10	507000	2535	106	1	108	0.16	0.005	18.04	18.50	1.112	0.006	/
	State3&5				10	507000	2535	106	108	54	-0.08	0.004	18.09	18.50	1.099	0.004	/
	State3&5			Right Edge	10	507000	2535	106	1	108	-0.18	0.187	18.04	18.50	1.112	0.208	/
	State3&5				10	507000	2535	106	108	54	-0.01	0.188	18.09	18.50	1.099	0.207	/
	State3&5			Top Edge	10	507000	2535	106	1	108	-0.18	0.022	18.04	18.50	1.112	0.024	/
	State3&5				10	507000	2535	106	108	54	0.11	0.021	18.09	18.50	1.099	0.023	/
	State3&5			Bottom Edge	10	507000	2535	106	1	108	0.11	0.003	18.04	18.50	1.112	0.003	/
	State3&5				10	507000	2535	106	108	54	-0.02	0.003	18.09	18.50	1.099	0.003	/
Ant.4	State3&5	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	106	1	108	-0.12	0.185	18.16	18.70	1.132	0.209	/
	State3&5				10	507000	2535	106	108	54	-0.02	0.183	18.26	18.70	1.107	0.203	/
	State3&5			Back Side	10	507000	2535	106	1	108	0.10	0.245	18.16	18.70	1.132	0.277	/
	State3&5				10	507000	2535	106	108	54	0.00	0.241	18.26	18.70	1.107	0.267	/
	State3&5			Left Edge	10	507000	2535	106	1	108	0.08	0.013	18.16	18.70	1.132	0.015	/
	State3&5				10	507000	2535	106	108	54	-0.02	0.014	18.26	18.70	1.107	0.015	/
	State3&5			Right Edge	10	507000	2535	106	1	108	-0.04	0.065	18.16	18.70	1.132	0.074	/
	State3&5				10	507000	2535	106	108	54	0.04	0.061	18.26	18.70	1.107	0.068	/
	State3&5			Top Edge	10	507000	2535	106	1	108	0.15	0.006	18.16	18.70	1.132	0.007	/
	State3&5				10	507000	2535	106	108	54	0.07	0.006	18.26	18.70	1.107	0.007	/
	State3&5			Bottom Edge	10	507000	2535	106	1	108	-0.18	0.394	18.16	18.70	1.132	0.446	64#
	State3&5				10	507000	2535	106	108	54	0.04	0.355	18.26	18.70	1.107	0.393	/
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.4	State1	DFT-s-	SA	Bottom Edge	0	507000	2535	106	1	108	-0.17	1.700	21.18	21.20	1.005	1.708	65#
	State1	OFDM BPSK			0	507000	2535	106	108	54	-0.03	1.650	21.17	21.20	1.007	1.661	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.21 n38 (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.3	State2	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	51	1	53	0.02	0.230	15.03	15.20	1.040	0.239	/
	State2				0	519000	2595	51	50	28	-0.07	0.236	15.09	15.20	1.026	0.242	/
	State2			Left Tilt	0	519000	2595	51	1	53	0.11	0.291	15.03	15.20	1.040	0.303	/
	State2				0	519000	2595	51	50	28	0.08	0.290	15.09	15.20	1.026	0.297	/
	State2			Right Cheek	0	519000	2595	51	1	53	0.18	0.493	15.03	15.20	1.040	0.513	/
	State2				0	519000	2595	51	50	28	0.00	0.497	15.09	15.20	1.026	0.510	/
	State2			Right Tilt	0	519000	2595	51	1	53	0.00	0.451	15.03	15.20	1.040	0.469	/
	State2				0	519000	2595	51	50	28	-0.02	0.460	15.09	15.20	1.026	0.472	/
Ant.3	State4&6	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	51	1	53	0.11	0.152	13.02	13.20	1.042	0.158	/
	State4&6				0	519000	2595	51	50	28	-0.09	0.151	13.13	13.20	1.016	0.153	/
	State4&6			Left Tilt	0	519000	2595	51	1	53	-0.13	0.173	13.02	13.20	1.042	0.180	/
	State4&6				0	519000	2595	51	50	28	-0.01	0.175	13.13	13.20	1.016	0.178	/
	State4&6			Right Cheek	0	519000	2595	51	1	53	-0.06	0.323	13.02	13.20	1.042	0.337	/
	State4&6				0	519000	2595	51	50	28	-0.03	0.322	13.13	13.20	1.016	0.327	/
	State4&6			Right Tilt	0	519000	2595	51	1	53	-0.16	0.275	13.02	13.20	1.042	0.287	/
	State4&6				0	519000	2595	51	50	28	-0.09	0.273	13.13	13.20	1.016	0.277	/
Ant.5	State2	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	51	1	53	-0.08	0.374	18.49	18.90	1.099	0.411	/
	State2				0	519000	2595	51	50	28	-0.18	0.387	18.63	18.90	1.064	0.412	/
	State2			Left Tilt	0	519000	2595	51	1	53	0.16	0.075	18.49	18.90	1.099	0.082	/
	State2				0	519000	2595	51	50	28	0.10	0.073	18.63	18.90	1.064	0.078	/
	State2			Right Cheek	0	519000	2595	51	1	53	0.16	0.521	18.49	18.90	1.099	0.573	66#
	State2				0	519000	2595	51	50	28	0.00	0.506	18.63	18.90	1.064	0.538	/
	State2			Right Tilt	0	519000	2595	51	1	53	0.08	0.123	18.49	18.90	1.099	0.135	/
	State2				0	519000	2595	51	50	28	0.14	0.121	18.63	18.90	1.064	0.129	/
Ant.5	State4&6	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	51	1	53	-0.08	0.228	16.54	16.90	1.086	0.248	/
	State4&6				0	519000	2595	51	50	28	0.10	0.234	16.63	16.90	1.064	0.249	/
	State4&6			Left Tilt	0	519000	2595	51	1	53	-0.19	0.043	16.54	16.90	1.086	0.047	/
	State4&6				0	519000	2595	51	50	28	0.19	0.042	16.63	16.90	1.064	0.045	/
	State4&6			Right Cheek	0	519000	2595	51	1	53	-0.06	0.316	16.54	16.90	1.086	0.343	/
	State4&6				0	519000	2595	51	50	28	-0.05	0.305	16.63	16.90	1.064	0.325	/
	State4&6			Right Tilt	0	519000	2595	51	1	53	0.04	0.075	16.54	16.90	1.086	0.081	/
	State4&6				0	519000	2595	51	50	28	0.04	0.075	16.63	16.90	1.064	0.081	/

	State4&6				0	519000	2595	51	50	28	-0.02	0.076	16.63	16.90	1.064	0.081	/	
Ant.4	State2&4&6	DFT-s- OFDM BPSK	SA	Left Cheek	0	519000	2595	51	1	53	-0.16	0.265	23.41	24.20	1.199	0.318	/	
	State2&4&6				0	519000	2595	51	50	28	0.12	0.277	23.73	24.20	1.114	0.309	/	
	State2&4&6				0	519000	2595	51	1	53	0.08	0.275	23.41	24.20	1.199	0.330	/	
	State2&4&6			Left Tilt	0	519000	2595	51	50	28	-0.11	0.273	23.73	24.20	1.114	0.304	/	
	State2&4&6				0	519000	2595	51	1	53	-0.07	0.155	23.41	24.20	1.199	0.186	/	
	State2&4&6				Right Cheek	0	519000	2595	51	50	28	0.15	0.151	23.73	24.20	1.114	0.168	/
	State2&4&6			0		519000	2595	51	1	53	0.14	0.155	23.41	24.20	1.199	0.186	/	
	State2&4&6			Right Tilt	0	519000	2595	51	50	28	-0.12	0.159	23.73	24.20	1.114	0.177	/	
	State2&4&6				0	519000	2595	51	1	53	0.14	0.155	23.41	24.20	1.199	0.186	/	
Body-worn																		
Ant.3	State1	DFT-s- OFDM BPSK	SA	Front Side	15	519000	2595	51	1	53	-0.01	0.117	20.00	20.20	1.047	0.123	/	
	State1				15	519000	2595	51	50	28	-0.15	0.123	20.19	20.20	1.002	0.123	/	
	State1			Back Side	15	519000	2595	51	1	53	0.19	0.183	20.00	20.20	1.047	0.192	/	
	State1				15	519000	2595	51	50	28	0.17	0.186	20.19	20.20	1.002	0.186	/	
Ant.3	State3&5	DFT-s- OFDM BPSK	SA	Front Side	15	519000	2595	51	1	53	-0.11	0.062	17.42	17.70	1.067	0.066	/	
	State3&5				15	519000	2595	51	50	28	-0.07	0.063	17.47	17.70	1.054	0.066	/	
	State3&5			Back Side	15	519000	2595	51	1	53	0.01	0.112	17.42	17.70	1.067	0.119	/	
	State3&5				15	519000	2595	51	50	28	0.00	0.111	17.47	17.70	1.054	0.117	/	
Ant.5	State1	DFT-s- OFDM BPSK	SA	Front Side	15	519000	2595	51	1	53	0.04	0.086	20.02	20.40	1.091	0.094	/	
	State1				15	519000	2595	51	50	28	0.02	0.083	20.16	20.40	1.057	0.088	/	
	State1			Back Side	15	519000	2595	51	1	53	0.01	0.129	20.02	20.40	1.091	0.141	/	
	State1				15	519000	2595	51	50	28	-0.18	0.131	20.16	20.40	1.057	0.138	/	
Ant.5	State3&5	DFT-s- OFDM BPSK	SA	Front Side	15	519000	2595	51	1	53	0.10	0.043	17.49	17.90	1.099	0.047	/	
	State3&5				15	519000	2595	51	50	28	-0.15	0.042	17.62	17.90	1.067	0.045	/	
	State3&5			Back Side	15	519000	2595	51	1	53	-0.08	0.071	17.49	17.90	1.099	0.078	/	
	State3&5				15	519000	2595	51	50	28	0.16	0.073	17.62	17.90	1.067	0.078	/	
Ant.4	State1&3	DFT-s- OFDM BPSK	SA	Front Side	15	519000	2595	51	1	53	-0.01	0.141	20.98	21.20	1.052	0.148	/	
	State1&3				15	519000	2595	51	50	28	0.11	0.138	21.06	21.20	1.033	0.143	/	
	State1&3			Back Side	15	519000	2595	51	1	53	0.03	0.196	20.98	21.20	1.052	0.206	67#	
	State1&3				15	519000	2595	51	50	28	0.05	0.186	21.06	21.20	1.033	0.192	/	
Ant.4	State5	DFT-s- OFDM BPSK	SA	Front Side	15	519000	2595	51	1	53	-0.09	0.074	18.47	18.70	1.054	0.078	/	
	State5				15	519000	2595	51	50	28	-0.04	0.071	18.53	18.70	1.040	0.074	/	
	State5			Back Side	15	519000	2595	51	1	53	0.06	0.121	18.47	18.70	1.054	0.128	/	
	State5				15	519000	2595	51	50	28	-0.07	0.123	18.53	18.70	1.040	0.128	/	
Hotspot																		
Ant.3	State3&5		SA	Front Side	10	519000	2595	51	1	53	0.16	0.155	17.42	17.70	1.067	0.165	/	
	State3&5				10	519000	2595	51	50	28	0.03	0.153	17.47	17.70	1.054	0.161	/	

	State3&5	DFT-s-OFDM BPSK		Back Side	10	519000	2595	51	1	53	0.14	0.183	17.42	17.70	1.067	0.195	/
	State3&5				10	519000	2595	51	50	28	-0.16	0.186	17.47	17.70	1.054	0.196	/
	State3&5			Left Edge	10	519000	2595	51	1	53	-0.11	0.041	17.42	17.70	1.067	0.044	/
	State3&5				10	519000	2595	51	50	28	0.15	0.043	17.47	17.70	1.054	0.045	/
	State3&5			Right Edge	10	519000	2595	51	1	53	-0.08	0.065	17.42	17.70	1.067	0.069	/
	State3&5				10	519000	2595	51	50	28	-0.06	0.066	17.47	17.70	1.054	0.070	/
	State3&5			Top Edge	10	519000	2595	51	1	53	-0.12	0.283	17.42	17.70	1.067	0.302	/
	State3&5				10	519000	2595	51	50	28	-0.13	0.296	17.47	17.70	1.054	0.312	/
	State3&5			Bottom Edge	10	519000	2595	51	1	53	0.06	0.015	17.42	17.70	1.067	0.016	/
	State3&5				10	519000	2595	51	50	28	-0.05	0.014	17.47	17.70	1.054	0.015	/
Ant.5	State3&5	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	51	1	53	0.19	0.082	17.49	17.90	1.099	0.090	/
	State3&5				10	519000	2595	51	50	28	-0.01	0.085	17.62	17.90	1.067	0.091	/
	State3&5			Back Side	10	519000	2595	51	1	53	-0.09	0.163	17.49	17.90	1.099	0.179	/
	State3&5				10	519000	2595	51	50	28	0.13	0.161	17.62	17.90	1.067	0.172	/
	State3&5			Left Edge	10	519000	2595	51	1	53	-0.06	0.005	17.49	17.90	1.099	0.005	/
	State3&5				10	519000	2595	51	50	28	-0.19	0.005	17.62	17.90	1.067	0.005	/
	State3&5			Right Edge	10	519000	2595	51	1	53	0.10	0.174	17.49	17.90	1.099	0.191	/
	State3&5				10	519000	2595	51	50	28	-0.07	0.176	17.62	17.90	1.067	0.188	/
	State3&5			Top Edge	10	519000	2595	51	1	53	0.16	0.017	17.49	17.90	1.099	0.019	/
	State3&5				10	519000	2595	51	50	28	-0.02	0.018	17.62	17.90	1.067	0.019	/
	State3&5			Bottom Edge	10	519000	2595	51	1	53	-0.12	0.003	17.49	17.90	1.099	0.003	/
	State3&5				10	519000	2595	51	50	28	0.03	0.003	17.62	17.90	1.067	0.003	/
Ant.4	State3&5	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	51	1	53	0.04	0.185	18.47	18.70	1.054	0.195	/
	State3&5				10	519000	2595	51	50	28	0.10	0.187	18.53	18.70	1.040	0.194	/
	State3&5			Back Side	10	519000	2595	51	1	53	-0.16	0.226	18.47	18.70	1.054	0.238	/
	State3&5				10	519000	2595	51	50	28	-0.19	0.231	18.53	18.70	1.040	0.240	/
	State3&5			Left Edge	10	519000	2595	51	1	53	-0.03	0.015	18.47	18.70	1.054	0.016	/
	State3&5				10	519000	2595	51	50	28	0.18	0.013	18.53	18.70	1.040	0.014	/
	State3&5			Right Edge	10	519000	2595	51	1	53	-0.03	0.085	18.47	18.70	1.054	0.090	/
	State3&5				10	519000	2595	51	50	28	0.06	0.083	18.53	18.70	1.040	0.086	/
	State3&5			Top Edge	10	519000	2595	51	1	53	0.07	0.015	18.47	18.70	1.054	0.016	/
	State3&5				10	519000	2595	51	50	28	0.00	0.016	18.53	18.70	1.040	0.017	/
	State3&5			Bottom Edge	10	519000	2595	51	1	53	-0.02	0.288	18.47	18.70	1.054	0.304	/
	State3&5				10	519000	2595	51	50	28	-0.11	0.342	18.53	18.70	1.040	0.356	68#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.22 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.3	State2	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	273	1	137	0.00	0.291	15.98	16.50	1.127	0.328	/
	0				518598	2592.99	273	135	69	-0.05	0.288	16.13	16.50	1.089	0.314	/	
	State2			Left Tilt	0	518598	2592.99	273	1	137	0.05	0.302	15.98	16.50	1.127	0.340	/
	0				518598	2592.99	273	135	69	-0.16	0.306	16.13	16.50	1.089	0.333	/	
	State2			Right Cheek	0	518598	2592.99	273	1	137	0.16	0.523	15.98	16.50	1.127	0.590	/
	0				518598	2592.99	273	135	69	0.07	0.511	16.13	16.50	1.089	0.556	/	
	State2			Right Tilt	0	518598	2592.99	273	1	137	-0.12	0.556	15.98	16.50	1.127	0.627	/
	0				518598	2592.99	273	135	69	-0.04	0.584	16.13	16.50	1.089	0.636	69#	
Ant.3	State4&6	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	273	1	137	0.17	0.195	14.09	14.50	1.099	0.214	/
	0				518598	2592.99	273	135	69	-0.17	0.191	14.18	14.50	1.076	0.206	/	
	State4&6			Left Tilt	0	518598	2592.99	273	1	137	0.09	0.202	14.09	14.50	1.099	0.222	/
	0				518598	2592.99	273	135	69	-0.12	0.201	14.18	14.50	1.076	0.216	/	
	State4&6			Right Cheek	0	518598	2592.99	273	1	137	0.06	0.345	14.09	14.50	1.099	0.379	/
	0				518598	2592.99	273	135	69	0.10	0.336	14.18	14.50	1.076	0.362	/	
	State4&6			Right Tilt	0	518598	2592.99	273	1	137	-0.07	0.362	14.09	14.50	1.099	0.398	/
	0				518598	2592.99	273	135	69	-0.18	0.377	14.18	14.50	1.076	0.406	/	
Ant.5	State2	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	273	1	137	-0.02	0.196	19.95	20.30	1.084	0.212	/
	0				518598	2592.99	273	135	69	0.10	0.215	20.17	20.30	1.030	0.222	/	
	State2			Left Tilt	0	518598	2592.99	273	1	137	-0.12	0.046	19.95	20.30	1.084	0.050	/
	0				518598	2592.99	273	135	69	-0.14	0.048	20.17	20.30	1.030	0.049	/	
	State2			Right Cheek	0	518598	2592.99	273	1	137	-0.02	0.302	19.95	20.30	1.084	0.327	/
	0				518598	2592.99	273	135	69	-0.03	0.324	20.17	20.30	1.030	0.334	/	
	State2			Right Tilt	0	518598	2592.99	273	1	137	0.19	0.080	19.95	20.30	1.084	0.087	/
	0				518598	2592.99	273	135	69	0.06	0.085	20.17	20.30	1.030	0.088	/	
Ant.5	State4&6	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	273	1	137	0.16	0.131	17.88	18.30	1.102	0.144	/
	0				518598	2592.99	273	135	69	-0.04	0.142	18.13	18.30	1.040	0.148	/	
	State4&6			Left Tilt	0	518598	2592.99	273	1	137	-0.06	0.025	17.88	18.30	1.102	0.028	/
	0				518598	2592.99	273	135	69	0.01	0.028	18.13	18.30	1.040	0.029	/	
	State4&6			Right Cheek	0	518598	2592.99	273	1	137	-0.12	0.188	17.88	18.30	1.102	0.207	/
	0				518598	2592.99	273	135	69	0.19	0.195	18.13	18.30	1.040	0.203	/	
	State4&6			Right Tilt	0	518598	2592.99	273	1	137	-0.02	0.056	17.88	18.30	1.102	0.062	/
	0				518598	2592.99	273	1	137	-0.02	0.056	17.88	18.30	1.102	0.062	/	

	State4&6				0	518598	2592.99	273	135	69	-0.06	0.061	18.13	18.30	1.040	0.063	/	
Ant.4	State2&4&6	DFT-s- OFDM BPSK	SA	Left Cheek	0	518598	2592.99	273	1	137	0.00	0.212	25.52	26.20	1.169	0.248	/	
	State2&4&6				0	518598	2592.99	273	135	69	0.16	0.223	25.58	26.20	1.153	0.257	/	
	State2&4&6				0	518598	2592.99	273	1	137	0.09	0.052	25.52	26.20	1.169	0.061	/	
	State2&4&6			Left Tilt	0	518598	2592.99	273	135	69	-0.11	0.062	25.58	26.20	1.153	0.072	/	
	State2&4&6				0	518598	2592.99	273	1	137	-0.19	0.117	25.52	26.20	1.169	0.137	/	
	State2&4&6				0	518598	2592.99	273	135	69	-0.19	0.122	25.58	26.20	1.153	0.141	/	
	State2&4&6			Right Cheek	0	518598	2592.99	273	1	137	0.19	0.125	25.52	26.20	1.169	0.146	/	
	State2&4&6				0	518598	2592.99	273	135	69	-0.09	0.113	25.58	26.20	1.153	0.130	/	
	State2&4&6				0	518598	2592.99	273	1	137	0.19	0.125	25.52	26.20	1.169	0.146	/	
State2&4&6	Right Tilt	0	518598	2592.99	273	135	69	-0.09	0.113	25.58	26.20	1.153	0.130	/				
State2&4&6		0	518598	2592.99	273	1	137	0.19	0.125	25.52	26.20	1.169	0.146	/				
State2&4&6		0	518598	2592.99	273	135	69	-0.09	0.113	25.58	26.20	1.153	0.130	/				
Body-worn																		
Ant.3	State1	DFT-s- OFDM BPSK	SA	Front Side	15	518598	2592.99	273	1	137	-0.18	0.139	19.53	20.00	1.114	0.155	/	
	State1				15	518598	2592.99	273	135	69	-0.17	0.133	19.73	20.00	1.064	0.142	/	
	State1			Back Side	15	518598	2592.99	273	1	137	0.02	0.207	19.53	20.00	1.114	0.231	/	
	State1				15	518598	2592.99	273	135	69	0.13	0.201	19.73	20.00	1.064	0.214	/	
Ant.3	State3&5	DFT-s- OFDM BPSK	SA	Front Side	15	518598	2592.99	273	1	137	-0.04	0.078	17.11	17.50	1.094	0.085	/	
	State3&5				15	518598	2592.99	273	135	69	0.03	0.075	17.14	17.50	1.086	0.081	/	
	State3&5			Back Side	15	518598	2592.99	273	1	137	-0.04	0.116	17.11	17.50	1.094	0.127	/	
	State3&5				15	518598	2592.99	273	135	69	0.19	0.113	17.14	17.50	1.086	0.123	/	
Ant.5	State1	DFT-s- OFDM BPSK	SA	Front Side	15	518598	2592.99	273	1	137	-0.18	0.049	20.99	21.30	1.074	0.053	/	
	State1				15	518598	2592.99	273	135	69	-0.07	0.052	21.10	21.30	1.047	0.054	/	
	State1			Back Side	15	518598	2592.99	273	1	137	-0.11	0.078	20.99	21.30	1.074	0.084	/	
	State1				15	518598	2592.99	273	135	69	0.11	0.080	21.10	21.30	1.047	0.084	/	
Ant.5	State3&5	DFT-s- OFDM BPSK	SA	Front Side	15	518598	2592.99	273	1	137	-0.08	0.032	18.46	18.80	1.081	0.035	/	
	State3&5				15	518598	2592.99	273	135	69	0.17	0.031	18.56	18.80	1.057	0.033	/	
	State3&5			Back Side	15	518598	2592.99	273	1	137	-0.07	0.051	18.46	18.80	1.081	0.055	/	
	State3&5				15	518598	2592.99	273	135	69	-0.07	0.048	18.56	18.80	1.057	0.051	/	
Ant.4	State1	DFT-s- OFDM BPSK	SA	Front Side	15	518598	2592.99	273	1	137	-0.01	0.151	21.30	21.70	1.096	0.166	/	
	State1				15	518598	2592.99	273	135	69	0.05	0.149	21.47	21.70	1.054	0.157	/	
	State1			Back Side	15	518598	2592.99	273	1	137	0.11	0.269	21.30	21.70	1.096	0.295	70#	
	State1				15	518598	2592.99	273	135	69	-0.01	0.208	21.47	21.70	1.054	0.219	/	
Ant.4	State3&5	DFT-s- OFDM BPSK	SA	Front Side	15	518598	2592.99	273	1	137	-0.15	0.085	18.96	19.20	1.057	0.090	/	
	State3&5				15	518598	2592.99	273	135	69	-0.18	0.084	19.05	19.20	1.035	0.087	/	
	State3&5			Back Side	15	518598	2592.99	273	1	137	0.12	0.144	18.96	19.20	1.057	0.152	/	
	State3&5				15	518598	2592.99	273	135	69	0.08	0.143	19.05	19.20	1.035	0.148	/	
Hotspot																		
Ant.3	State3&5		SA	Front Side	10	518598	2592.99	273	1	137	-0.08	0.075	17.11	17.50	1.094	0.082	/	
	State3&5				10	518598	2592.99	273	135	69	-0.19	0.073	17.14	17.50	1.086	0.079	/	

	State3&5	DFT-s-OFDM BPSK		Back Side	10	518598	2592.99	273	1	137	0.17	0.095	17.11	17.50	1.094	0.104	/	
	State3&5				10	518598	2592.99	273	135	69	-0.02	0.093	17.14	17.50	1.086	0.101	/	
	State3&5				Left Edge	10	518598	2592.99	273	1	137	0.09	0.025	17.11	17.50	1.094	0.027	/
	State3&5					10	518598	2592.99	273	135	69	0.18	0.024	17.14	17.50	1.086	0.026	/
	State3&5				Right Edge	10	518598	2592.99	273	1	137	-0.07	0.045	17.11	17.50	1.094	0.049	/
	State3&5					10	518598	2592.99	273	135	69	-0.08	0.043	17.14	17.50	1.086	0.047	/
	State3&5				Top Edge	10	518598	2592.99	273	1	137	0.12	0.141	17.11	17.50	1.094	0.154	/
	State3&5					10	518598	2592.99	273	135	69	-0.15	0.138	17.14	17.50	1.086	0.150	/
	State3&5				Bottom	10	518598	2592.99	273	1	137	-0.09	0.013	17.11	17.50	1.094	0.014	/
	State3&5					10	518598	2592.99	273	135	69	-0.18	0.012	17.14	17.50	1.086	0.013	/
Ant.5	State3&5	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	273	1	137	-0.19	0.222	18.46	18.80	1.081	0.240	/	
	State3&5				10	518598	2592.99	273	135	69	-0.15	0.227	18.56	18.80	1.057	0.240	/	
	State3&5				Back Side	10	518598	2592.99	273	1	137	0.17	0.236	18.46	18.80	1.081	0.255	/
	State3&5					10	518598	2592.99	273	135	69	0.01	0.220	18.56	18.80	1.057	0.232	/
	State3&5				Left Edge	10	518598	2592.99	273	1	137	-0.19	0.082	18.46	18.80	1.081	0.089	/
	State3&5					10	518598	2592.99	273	135	69	-0.18	0.080	18.56	18.80	1.057	0.085	/
	State3&5				Right Edge	10	518598	2592.99	273	1	137	-0.14	0.234	18.46	18.80	1.081	0.253	/
	State3&5					10	518598	2592.99	273	135	69	0.15	0.217	18.56	18.80	1.057	0.229	/
	State3&5				Top Edge	10	518598	2592.99	273	1	137	0.01	0.019	18.46	18.80	1.081	0.021	/
	State3&5					10	518598	2592.99	273	135	69	0.15	0.016	18.56	18.80	1.057	0.017	/
	State3&5				Bottom	10	518598	2592.99	273	1	137	-0.19	0.017	18.46	18.80	1.081	0.018	/
	State3&5					10	518598	2592.99	273	135	69	-0.17	0.019	18.56	18.80	1.057	0.020	/
Ant.4	State3&5	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	273	1	137	-0.02	0.202	18.96	19.20	1.057	0.213	/	
	State3&5				10	518598	2592.99	273	135	69	0.13	0.214	19.05	19.20	1.035	0.222	/	
	State3&5				Back Side	10	518598	2592.99	273	1	137	-0.03	0.357	18.96	19.20	1.057	0.377	/
	State3&5					10	518598	2592.99	273	135	69	0.02	0.354	19.05	19.20	1.035	0.366	/
	State3&5				Left Edge	10	518598	2592.99	273	1	137	-0.14	0.026	18.96	19.20	1.057	0.027	/
	State3&5					10	518598	2592.99	273	135	69	-0.18	0.024	19.05	19.20	1.035	0.025	/
	State3&5				Right Edge	10	518598	2592.99	273	1	137	-0.07	0.104	18.96	19.20	1.057	0.110	/
	State3&5					10	518598	2592.99	273	135	69	-0.13	0.093	19.05	19.20	1.035	0.096	/
	State3&5				Top Edge	10	518598	2592.99	273	1	137	-0.17	0.010	18.96	19.20	1.057	0.011	/
	State3&5					10	518598	2592.99	273	135	69	0.15	0.006	19.05	19.20	1.035	0.006	/
	State3&5				Bottom	10	518598	2592.99	273	1	137	-0.08	0.383	18.96	19.20	1.057	0.405	71#
	State3&5					10	518598	2592.99	273	135	69	0.02	0.372	19.05	19.20	1.035	0.385	/

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.4	State1	DFT-s-	SA	Bottom Edge	0	518598	2592.99	273	1	137	0.16	1.310	21.30	21.70	1.096	1.436	/
	State1	OFDM BPSK			0	518598	2592.99	273	135	69	0.12	1.410	21.47	21.70	1.054	1.487	72#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.23 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.3	State2	DFT-s-OFDM BPSK	SA	Left	0	349000	1745	106	1	108	-0.07	0.431	18.44	18.70	1.062	0.458	/	
	State2			Cheek	0	349000	1745	106	108	54	-0.06	0.445	18.45	18.70	1.059	0.471	/	
	State2			Left Tilt	0	349000	1745	106	1	108	0.03	0.556	18.44	18.70	1.062	0.590	/	
	State2				0	349000	1745	106	108	54	0.16	0.531	18.45	18.70	1.059	0.562	/	
	State2			Right	0	349000	1745	106	1	108	-0.05	0.811	18.44	18.70	1.062	0.861	/	
	State2				Cheek	0	349000	1745	106	108	54	-0.05	0.816	18.45	18.70	1.059	0.864	73#
	State2			Right Tilt	0	349000	1745	106	1	108	-0.07	0.785	18.44	18.70	1.062	0.833	/	
	State2				0	349000	1745	106	108	54	0.13	0.747	18.45	18.70	1.059	0.791	/	
	State2			Right	0	346000	1745	106	1	108	-0.12	0.764	18.39	18.70	1.074	0.821	/	
	State2				0	353000	1745	106	1	108	0.03	0.781	18.32	18.70	1.091	0.852	/	
	State2				Cheek	0	346000	1745	106	108	54	0.19	0.771	18.30	18.70	1.096	0.845	/
	State2					0	353000	1745	106	108	54	0.07	0.786	18.38	18.70	1.076	0.846	/
	State2					0	349000	1745	106	216	0	-0.06	0.769	18.29	18.70	1.099	0.845	/
	Ant.3			State4&6	DFT-s-OFDM BPSK	SA	Left	0	349000	1745	106	1	108	0.18	0.285	16.34	16.70	1.086
State4&6		Cheek	0	349000			1745	106	108	54	-0.15	0.274	16.53	16.70	1.040	0.285	/	
State4&6		Left Tilt	0	349000			1745	106	1	108	0.12	0.343	16.34	16.70	1.086	0.373	/	
State4&6			0	349000			1745	106	108	54	-0.05	0.335	16.53	16.70	1.040	0.348	/	
State4&6		Right	0	349000			1745	106	1	108	0.09	0.506	16.34	16.70	1.086	0.550	/	
State4&6			Cheek	0			349000	1745	106	108	54	0.16	0.513	16.53	16.70	1.040	0.533	/
State4&6		Right Tilt	0	349000			1745	106	1	108	0.16	0.488	16.34	16.70	1.086	0.530	/	
State4&6			0	349000			1745	106	108	54	-0.08	0.476	16.53	16.70	1.040	0.495	/	
Ant.5	State2	DFT-s-OFDM BPSK	SA	Left	0	349000	1745	106	1	108	-0.09	0.277	22.23	22.80	1.140	0.316	/	
	State2			Cheek	0	349000	1745	106	108	54	-0.09	0.265	22.42	22.80	1.091	0.289	/	
	State2			Left Tilt	0	349000	1745	106	1	108	0.18	0.074	22.23	22.80	1.140	0.084	/	
	State2				0	349000	1745	106	108	54	-0.10	0.071	22.42	22.80	1.091	0.077	/	
	State2			Right	0	349000	1745	106	1	108	-0.14	0.455	22.23	22.80	1.140	0.519	/	
	State2				Cheek	0	349000	1745	106	108	54	0.02	0.462	22.42	22.80	1.091	0.504	/
	State2			Right Tilt	0	349000	1745	106	1	108	-0.19	0.103	22.23	22.80	1.140	0.117	/	
	State2				0	349000	1745	106	108	54	0.13	0.112	22.42	22.80	1.091	0.122	/	
Ant.5	State4&6		SA	Left	0	349000	1745	106	1	108	-0.18	0.188	20.22	20.80	1.143	0.215	/	
	State4&6			Cheek	0	349000	1745	106	108	54	0.07	0.183	20.45	20.80	1.084	0.198	/	

	State4&6	DFT-s- OFDM BPSK		Left Tilt	0	349000	1745	106	1	108	0.13	0.053	20.22	20.80	1.143	0.061	/	
	State4&6				0	349000	1745	106	108	54	0.00	0.085	20.45	20.80	1.084	0.092	/	
	State4&6				Right	0	349000	1745	106	1	108	-0.07	0.271	20.22	20.80	1.143	0.310	/
	State4&6					Cheek	0	349000	1745	106	108	54	0.10	0.279	20.45	20.80	1.084	0.302
	State4&6				Right Tilt	0	349000	1745	106	1	108	-0.02	0.063	20.22	20.80	1.143	0.072	/
	State4&6					0	349000	1745	106	108	54	-0.13	0.061	20.45	20.80	1.084	0.066	/
Ant.4	State2&4&6	DFT-s- OFDM BPSK	SA	Left	0	349000	1745	106	1	108	-0.13	0.173	24.01	25.20	1.315	0.228	/	
	State2&4&6				Cheek	0	349000	1745	106	108	54	-0.06	0.180	24.11	25.20	1.285	0.231	/
	State2&4&6			Left Tilt	0	349000	1745	106	1	108	0.05	0.060	24.01	25.20	1.315	0.079	/	
	State2&4&6				0	349000	1745	106	108	54	0.08	0.062	24.11	25.20	1.285	0.080	/	
	State2&4&6			Right	0	349000	1745	106	1	108	0.13	0.114	24.01	25.20	1.315	0.150	/	
	State2&4&6				Cheek	0	349000	1745	106	108	54	-0.18	0.109	24.11	25.20	1.285	0.140	/
	State2&4&6			Right Tilt	0	349000	1745	106	1	108	0.03	0.060	24.01	25.20	1.315	0.079	/	
	State2&4&6				0	349000	1745	106	108	54	0.16	0.063	24.11	25.20	1.285	0.081	/	
Body-worn																		
Ant.3	State1	DFT-s- OFDM BPSK	SA	Front	15	349000	1745	106	1	108	0.16	0.091	21.44	21.70	1.062	0.097	/	
	State1				Side	15	349000	1745	106	108	54	-0.02	0.095	21.45	21.70	1.059	0.101	/
	State1			Back	15	349000	1745	106	1	108	0.16	0.143	21.44	21.70	1.062	0.152	/	
	State1				Side	15	349000	1745	106	108	54	-0.15	0.131	21.45	21.70	1.059	0.139	/
Ant.3	State3&5	DFT-s- OFDM BPSK	SA	Front	15	349000	1745	106	1	108	0.18	0.053	18.94	19.20	1.062	0.056	/	
	State3&5				Side	15	349000	1745	106	108	54	-0.19	0.051	19.00	19.20	1.047	0.053	/
	State3&5			Back	15	349000	1745	106	1	108	-0.09	0.075	18.94	19.20	1.062	0.080	/	
	State3&5				Side	15	349000	1745	106	108	54	-0.09	0.073	19.00	19.20	1.047	0.076	/
Ant.5	State1	DFT-s- OFDM BPSK	SA	Front	15	349000	1745	106	1	108	0.18	0.096	21.23	21.80	1.140	0.109	/	
	State1				Side	15	349000	1745	106	108	54	0.07	0.095	21.39	21.80	1.099	0.104	/
	State1			Back	15	349000	1745	106	1	108	-0.12	0.134	21.23	21.80	1.140	0.153	/	
	State1				Side	15	349000	1745	106	108	54	-0.01	0.131	21.39	21.80	1.099	0.144	/
Ant.5	State3&5	DFT-s- OFDM BPSK	SA	Front	15	349000	1745	106	1	108	0.14	0.051	18.72	19.30	1.143	0.058	/	
	State3&5				Side	15	349000	1745	106	108	54	-0.12	0.052	18.75	19.30	1.135	0.059	/
	State3&5			Back	15	349000	1745	106	1	108	-0.16	0.073	18.72	19.30	1.143	0.083	/	
	State3&5				Side	15	349000	1745	106	108	54	-0.07	0.071	18.75	19.30	1.135	0.081	/
Ant.4	State1	DFT-s- OFDM BPSK	SA	Front	15	349000	1745	106	1	108	-0.06	0.131	21.47	21.70	1.054	0.138	/	
	State1				Side	15	349000	1745	106	108	54	-0.13	0.121	21.59	21.70	1.026	0.124	/
	State1			Back	15	349000	1745	106	1	108	0.18	0.142	21.47	21.70	1.054	0.150	/	
	State1				Side	15	349000	1745	106	108	54	0.06	0.151	21.59	21.70	1.026	0.155	74#
Ant.4	State3&5		SA	Front	15	349000	1745	106	1	108	0.07	0.071	18.95	19.20	1.059	0.075	/	
	State3&5			Side	15	349000	1745	106	108	54	0.15	0.065	19.04	19.20	1.038	0.067	/	

	State3&5	DFT-s-		Back	15	349000	1745	106	1	108	0.18	0.085	18.95	19.20	1.059	0.090	/	
	State3&5	OFDM		Side	15	349000	1745	106	108	54	-0.17	0.088	19.04	19.20	1.038	0.091	/	
		BPSK																
Hotspot																		
Ant.3	State3&5	DFT-s- OFDM BPSK	SA	Front	10	349000	1745	106	1	108	0.11	0.121	18.94	19.20	1.062	0.128	/	
	State3&5			Side	10	349000	1745	106	108	54	0.02	0.116	19.00	19.20	1.047	0.121	/	
	State3&5			Back	10	349000	1745	106	1	108	0.18	0.175	18.94	19.20	1.062	0.186	/	
	State3&5			Side	10	349000	1745	106	108	54	0.18	0.165	19.00	19.20	1.047	0.173	/	
	State3&5			Left	10	349000	1745	106	1	108	-0.13	0.015	18.94	19.20	1.062	0.016	/	
	State3&5			Edge	10	349000	1745	106	108	54	0.12	0.013	19.00	19.20	1.047	0.014	/	
	State3&5			Right	10	349000	1745	106	1	108	0.01	0.063	18.94	19.20	1.062	0.067	/	
	State3&5			Edge	10	349000	1745	106	108	54	0.10	0.062	19.00	19.20	1.047	0.065	/	
	State3&5			Top	10	349000	1745	106	1	108	-0.18	0.271	18.94	19.20	1.062	0.288	/	
	State3&5			Edge	10	349000	1745	106	108	54	0.10	0.256	19.00	19.20	1.047	0.268	/	
	State3&5			Bottom	10	349000	1745	106	1	108	0.17	0.012	18.94	19.20	1.062	0.013	/	
	State3&5			Edge	10	349000	1745	106	108	54	0.05	0.011	19.00	19.20	1.047	0.012	/	
Ant.5	State3&5	DFT-s- OFDM BPSK	SA	Front	10	349000	1745	106	1	108	-0.12	0.131	18.72	19.30	1.143	0.150	/	
	State3&5			Side	10	349000	1745	106	108	54	0.03	0.094	18.75	19.30	1.135	0.107	/	
	State3&5			Back	10	349000	1745	106	1	108	-0.09	0.223	18.72	19.30	1.143	0.255	/	
	State3&5			Side	10	349000	1745	106	108	54	-0.16	0.218	18.75	19.30	1.135	0.247	/	
	State3&5			Left	10	349000	1745	106	1	108	-0.10	0.023	18.72	19.30	1.143	0.026	/	
	State3&5			Edge	10	349000	1745	106	108	54	-0.19	0.011	18.75	19.30	1.135	0.012	/	
	State3&5			Right	10	349000	1745	106	1	108	-0.16	0.274	18.72	19.30	1.143	0.313	/	
	State3&5			Edge	10	349000	1745	106	108	54	-0.02	0.268	18.75	19.30	1.135	0.304	/	
	State3&5			Top	10	349000	1745	106	1	108	0.01	0.018	18.72	19.30	1.143	0.021	/	
	State3&5			Edge	10	349000	1745	106	108	54	-0.18	0.021	18.75	19.30	1.135	0.024	/	
	State3&5			Bottom	10	349000	1745	106	1	108	-0.06	0.016	18.72	19.30	1.143	0.018	/	
	State3&5			Edge	10	349000	1745	106	108	54	0.04	0.015	18.75	19.30	1.135	0.017	/	
Ant.4	State3&5	DFT-s- OFDM BPSK	SA	Front	10	349000	1745	106	1	108	-0.09	0.231	18.95	19.20	1.059	0.245	/	
	State3&5			Side	10	349000	1745	106	108	54	-0.13	0.235	19.04	19.20	1.038	0.244	/	
	State3&5			Back	10	349000	1745	106	1	108	0.07	0.302	18.95	19.20	1.059	0.320	/	
	State3&5			Side	10	349000	1745	106	108	54	0.01	0.301	19.04	19.20	1.038	0.312	/	
	State3&5			Left	10	349000	1745	106	1	108	-0.15	0.011	18.95	19.20	1.059	0.012	/	
	State3&5			Edge	10	349000	1745	106	108	54	0.01	0.006	19.04	19.20	1.038	0.006	/	
	State3&5			Right	10	349000	1745	106	1	108	-0.05	0.074	18.95	19.20	1.059	0.078	/	
	State3&5			Edge	10	349000	1745	106	108	54	0.02	0.073	19.04	19.20	1.038	0.076	/	
	State3&5				10	349000	1745	106	1	108	-0.05	0.016	18.95	19.20	1.059	0.017	/	

	State3&5			Top Edge	10	349000	1745	106	108	54	-0.17	0.011	19.04	19.20	1.038	0.011	/
	State3&5			Bottom	10	349000	1745	106	1	108	-0.19	0.306	18.95	19.20	1.059	0.324	75#
	State3&5			Edge	10	349000	1745	106	108	54	-0.14	0.288	19.04	19.20	1.038	0.299	/

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.4	State1	DFT-s-	SA	Back Side	0	349000	1745	106	1	108	0.01	1.450	21.47	21.70	1.054	1.529	76#
	State1	OFDM BPSK			0	349000	1745	106	108	54	0.03	1.410	21.59	21.70	1.026	1.446	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.24 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.9	Level1&2	802.11	Left Cheek	0	CH 1	2412	-0.01	0.532	15.56	16.00	1.107	99.61	1.004	0.591	/
	Level1&2		Left Tilt	0	CH 1	2412	-0.06	0.455	15.56	16.00	1.107	99.61	1.004	0.506	/
	Level1&2		Right Cheek	0	CH 1	2412	0.11	0.242	15.56	16.00	1.107	99.61	1.004	0.269	/
	Level1&2		Right Tilt	0	CH 1	2412	0.03	0.236	15.56	16.00	1.107	99.61	1.004	0.262	/
	Level3	802.11	Left Cheek	0	CH 1	2412	0.09	0.421	14.62	15.00	1.091	99.61	1.004	0.461	/
	Level3		Left Tilt	0	CH 1	2412	0.12	0.361	14.62	15.00	1.091	99.61	1.004	0.395	/
	Level3		Right Cheek	0	CH 1	2412	0.00	0.193	14.62	15.00	1.091	99.61	1.004	0.211	/
	Level3		Right Tilt	0	CH 1	2412	-0.16	0.188	14.62	15.00	1.091	99.61	1.004	0.206	/
	Level4&5	802.11	Left Cheek	0	CH 1	2412	0.14	0.334	13.58	14.00	1.102	99.61	1.004	0.370	/
	Level4&5		Left Tilt	0	CH 1	2412	0.06	0.287	13.58	14.00	1.102	99.61	1.004	0.318	/
	Level4&5		Right Cheek	0	CH 1	2412	-0.18	0.154	13.58	14.00	1.102	99.61	1.004	0.170	/
	Level4&5		Right Tilt	0	CH 1	2412	-0.05	0.149	13.58	14.00	1.102	99.61	1.004	0.165	/
	Level6	802.11	Left Cheek	0	CH 1	2412	0.11	0.211	11.78	12.00	1.052	99.61	1.004	0.223	/
	Level6		Left Tilt	0	CH 1	2412	0.19	0.181	11.78	12.00	1.052	99.61	1.004	0.191	/
	Level6		Right Cheek	0	CH 1	2412	-0.03	0.097	11.78	12.00	1.052	99.61	1.004	0.102	/
	Level6		Right Tilt	0	CH 1	2412	-0.10	0.094	11.78	12.00	1.052	99.61	1.004	0.099	/
Ant.10	Level1&2	802.11	Left Cheek	0	CH 1	2412	-0.12	0.116	15.56	16.00	1.107	99.61	1.004	0.129	/
	Level1&2		Left Tilt	0	CH 1	2412	-0.07	0.057	15.56	16.00	1.107	99.61	1.004	0.063	/
	Level1&2		Right Cheek	0	CH 1	2412	0.19	0.428	15.56	16.00	1.107	99.61	1.004	0.476	/
	Level1&2		Right Tilt	0	CH 1	2412	0.11	0.129	15.56	16.00	1.107	99.61	1.004	0.143	/
	Level3	802.11	Left Cheek	0	CH 1	2412	0.19	0.092	14.74	15.00	1.062	99.61	1.004	0.098	/
	Level3		Left Tilt	0	CH 1	2412	-0.04	0.044	14.74	15.00	1.062	99.61	1.004	0.047	/
	Level3		Right Cheek	0	CH 1	2412	0.08	0.335	14.74	15.00	1.062	99.61	1.004	0.357	/
	Level3		Right Tilt	0	CH 1	2412	-0.18	0.103	14.74	15.00	1.062	99.61	1.004	0.110	/
	Level4&5	802.11	Left Cheek	0	CH 1	2412	-0.13	0.073	13.77	14.00	1.054	99.61	1.004	0.077	/
	Level4&5		Left Tilt	0	CH 1	2412	-0.15	0.035	13.77	14.00	1.054	99.61	1.004	0.037	/
	Level4&5		Right Cheek	0	CH 1	2412	0.10	0.266	13.77	14.00	1.054	99.61	1.004	0.281	/
	Level4&5		Right Tilt	0	CH 1	2412	0.13	0.082	13.77	14.00	1.054	99.61	1.004	0.087	/
	Level6	802.11	Left Cheek	0	CH 1	2412	0.19	0.045	11.82	12.00	1.042	99.61	1.004	0.047	/
	Level6		Left Tilt	0	CH 1	2412	0.14	0.022	11.82	12.00	1.042	99.61	1.004	0.023	/
	Level6		Right Cheek	0	CH 1	2412	-0.16	0.169	11.82	12.00	1.042	99.61	1.004	0.177	/

	Level6		Right Tilt	0	CH 1	2412	0.10	0.051	11.82	12.00	1.042	99.61	1.004	0.053	/
Ant.9&Ant.10	Level1&2	802.11	Left Cheek	0	CH 1	2412	-0.09	0.691	18.68	19.00	1.076	99.61	1.004	0.746	77#
	Level1&2		Left Tilt	0	CH 1	2412	0.19	0.557	18.68	19.00	1.076	99.61	1.004	0.602	/
	Level1&2	b	Right Cheek	0	CH 1	2412	0.09	0.570	18.68	19.00	1.076	99.61	1.004	0.616	/
	Level1&2		Right Tilt	0	CH 1	2412	-0.01	0.556	18.68	19.00	1.076	99.61	1.004	0.601	/
	Level3	802.11	Left Cheek	0	CH 1	2412	0.14	0.548	17.80	18.00	1.047	99.61	1.004	0.576	/
	Level3		Left Tilt	0	CH 1	2412	0.00	0.443	17.80	18.00	1.047	99.61	1.004	0.466	/
	Level3	b	Right Cheek	0	CH 1	2412	-0.09	0.453	17.80	18.00	1.047	99.61	1.004	0.476	/
	Level3		Right Tilt	0	CH 1	2412	0.13	0.441	17.80	18.00	1.047	99.61	1.004	0.464	/
	Level4&5	802.11	Left Cheek	0	CH 1	2412	0.10	0.436	16.82	17.00	1.042	99.61	1.004	0.456	/
	Level4&5		Left Tilt	0	CH 1	2412	0.03	0.352	16.82	17.00	1.042	99.61	1.004	0.368	/
	Level4&5	b	Right Cheek	0	CH 1	2412	-0.10	0.359	16.82	17.00	1.042	99.61	1.004	0.376	/
	Level4&5		Right Tilt	0	CH 1	2412	-0.11	0.351	16.82	17.00	1.042	99.61	1.004	0.367	/
	Level6	802.11	Left Cheek	0	CH 1	2412	0.11	0.275	14.87	15.00	1.030	99.61	1.004	0.284	/
	Level6		Left Tilt	0	CH 1	2412	-0.16	0.222	14.87	15.00	1.030	99.61	1.004	0.230	/
	Level6	b	Right Cheek	0	CH 1	2412	-0.17	0.227	14.87	15.00	1.030	99.61	1.004	0.235	/
	Level6		Right Tilt	0	CH 1	2412	0.12	0.221	14.87	15.00	1.030	99.61	1.004	0.229	/
Body-worn															
Ant.9	Level7&8&9	802.11	Front Side	15	CH 1	2412	0.03	0.073	18.42	19.00	1.143	99.61	1.004	0.084	/
	Level7&8&9	b	Back Side	15	CH 1	2412	0.04	0.101	18.42	19.00	1.143	99.61	1.004	0.116	/
	Level10&11	802.11	Front Side	15	CH 1	2412	0.07	0.058	17.46	18.00	1.132	99.61	1.004	0.066	/
	Level10&11	b	Back Side	15	CH 1	2412	-0.18	0.080	17.46	18.00	1.132	99.61	1.004	0.091	/
	Level12	802.11	Front Side	15	CH 1	2412	-0.02	0.023	13.58	14.00	1.102	99.61	1.004	0.025	/
	Level12	b	Back Side	15	CH 1	2412	0.09	0.032	13.58	14.00	1.102	99.61	1.004	0.035	/
Ant.10	Level7&8&9	802.11	Front Side	15	CH 1	2412	0.10	0.087	18.36	19.00	1.159	99.61	1.004	0.101	/
	Level7&8&9		b	Back Side	15	CH 1	2412	0.08	0.131	18.36	19.00	1.159	99.61	1.004	0.152
	Level10&11	802.11	Front Side	15	CH 1	2412	0.01	0.069	17.50	18.00	1.122	99.61	1.004	0.078	/
	Level10&11	b	Back Side	15	CH 1	2412	0.00	0.104	17.50	18.00	1.122	99.61	1.004	0.117	/
	Level12	802.11	Front Side	15	CH 1	2412	0.02	0.027	13.77	14.00	1.054	99.61	1.004	0.029	/
	Level12	b	Back Side	15	CH 1	2412	-0.15	0.042	13.77	14.00	1.054	99.61	1.004	0.044	/
Ant.9&Ant.10	Level7&8&9	802.11	Front Side	15	CH 6	2437	-0.16	0.126	21.61	22.00	1.094	99.61	1.004	0.138	/
	Level7&8&9		b	Back Side	15	CH 6	2437	0.02	0.168	21.61	22.00	1.094	99.61	1.004	0.185
	Level10&11	802.11	Front Side	15	CH 1	2412	-0.02	0.100	20.53	21.00	1.114	99.61	1.004	0.112	/
	Level10&11	b	Back Side	15	CH 1	2412	0.02	0.134	20.53	21.00	1.114	99.61	1.004	0.150	/
	Level12	802.11	Front Side	15	CH 1	2412	-0.07	0.040	16.82	17.00	1.042	99.61	1.004	0.042	/
	Level12	b	Back Side	15	CH 1	2412	-0.08	0.053	16.82	17.00	1.042	99.61	1.004	0.055	/
Hotspot															

Ant.9	Level7&8&9	802.11	Front Side	10	CH 1	2412	-0.13	0.104	18.42	19.00	1.143	99.61	1.004	0.119	/	
	Level7&8&9		Back Side	10	CH 1	2412	-0.11	0.188	18.42	19.00	1.143	99.61	1.004	0.216	/	
	Level7&8&9		Left Edge	10	CH 1	2412	-0.14	0.065	18.42	19.00	1.143	99.61	1.004	0.075	/	
	Level7&8&9		b	Right Edge	10	CH 1	2412	0.02	0.011	18.42	19.00	1.143	99.61	1.004	0.013	/
	Level7&8&9		Top Edge	10	CH 1	2412	0.08	0.207	18.42	19.00	1.143	99.61	1.004	0.238	/	
	Level7&8&9		Bottom Edge	10	CH 1	2412	0.14	0.002	18.42	19.00	1.143	99.61	1.004	0.002	/	
	Level10&11	802.11	Front Side	10	CH 1	2412	0.05	0.083	17.46	18.00	1.132	99.61	1.004	0.094	/	
	Level10&11		Back Side	10	CH 1	2412	-0.09	0.149	17.46	18.00	1.132	99.61	1.004	0.169	/	
	Level10&11		Left Edge	10	CH 1	2412	0.17	0.051	17.46	18.00	1.132	99.61	1.004	0.058	/	
	Level10&11		b	Right Edge	10	CH 1	2412	-0.05	0.015	17.46	18.00	1.132	99.61	1.004	0.017	/
	Level10&11		Top Edge	10	CH 1	2412	0.16	0.164	17.46	18.00	1.132	99.61	1.004	0.186	/	
	Level10&11		Bottom Edge	10	CH 1	2412	0.11	0.005	17.46	18.00	1.132	99.61	1.004	0.006	/	
	Level12	802.11	Front Side	10	CH 1	2412	0.09	0.033	13.58	14.00	1.102	99.61	1.004	0.037	/	
	Level12		Back Side	10	CH 1	2412	0.15	0.060	13.58	14.00	1.102	99.61	1.004	0.066	/	
	Level12		Left Edge	10	CH 1	2412	0.03	0.021	13.58	14.00	1.102	99.61	1.004	0.023	/	
	Level12		b	Right Edge	10	CH 1	2412	0.13	0.011	13.58	14.00	1.102	99.61	1.004	0.012	/
	Level12		Top Edge	10	CH 1	2412	-0.18	0.065	13.58	14.00	1.102	99.61	1.004	0.072	/	
	Level12		Bottom Edge	10	CH 1	2412	0.16	0.005	13.58	14.00	1.102	99.61	1.004	0.006	/	
Ant.10	Level7&8&9	802.11	Front Side	10	CH 1	2412	0.16	0.204	18.36	19.00	1.159	99.61	1.004	0.237	/	
	Level7&8&9		Back Side	10	CH 1	2412	-0.16	0.307	18.36	19.00	1.159	99.61	1.004	0.357	/	
	Level7&8&9		Left Edge	10	CH 1	2412	0.11	0.011	18.36	19.00	1.159	99.61	1.004	0.013	/	
	Level7&8&9		b	Right Edge	10	CH 1	2412	-0.09	0.459	18.36	19.00	1.159	99.61	1.004	0.534	/
	Level7&8&9		Top Edge	10	CH 1	2412	-0.07	0.064	18.36	19.00	1.159	99.61	1.004	0.074	/	
	Level7&8&9		Bottom Edge	10	CH 1	2412	0.10	0.005	18.36	19.00	1.159	99.61	1.004	0.006	/	
	Level10&11	802.11	Front Side	10	CH 1	2412	-0.13	0.162	17.50	18.00	1.122	99.61	1.004	0.182	/	
	Level10&11		Back Side	10	CH 1	2412	-0.12	0.244	17.50	18.00	1.122	99.61	1.004	0.275	/	
	Level10&11		Left Edge	10	CH 1	2412	-0.19	0.001	17.50	18.00	1.122	99.61	1.004	0.001	/	
	Level10&11		b	Right Edge	10	CH 1	2412	-0.17	0.349	17.50	18.00	1.122	99.61	1.004	0.393	/
	Level10&11		Top Edge	10	CH 1	2412	0.17	0.050	17.50	18.00	1.122	99.61	1.004	0.056	/	
	Level10&11		Bottom Edge	10	CH 1	2412	0.19	0.005	17.50	18.00	1.122	99.61	1.004	0.006	/	
	Level12	802.11	Front Side	10	CH 1	2412	0.15	0.065	13.77	14.00	1.054	99.61	1.004	0.069	/	
	Level12		Back Side	10	CH 1	2412	-0.07	0.097	13.77	14.00	1.054	99.61	1.004	0.103	/	
	Level12		Left Edge	10	CH 1	2412	0.03	0.013	13.77	14.00	1.054	99.61	1.004	0.014	/	
	Level12		b	Right Edge	10	CH 1	2412	0.07	0.139	13.77	14.00	1.054	99.61	1.004	0.147	/
	Level12		Top Edge	10	CH 1	2412	-0.01	0.020	13.77	14.00	1.054	99.61	1.004	0.021	/	
	Level12		Bottom Edge	10	CH 1	2412	0.09	0.018	13.77	14.00	1.054	99.61	1.004	0.019	/	
Ant.9&Ant.10	Level7&8&9		Front Side	10	CH 6	2437	0.17	0.325	21.61	22.00	1.094	99.61	1.004	0.357	/	

Level7&8&9	802.11 b	Back Side	10	CH 6	2437	0.04	0.345	21.61	22.00	1.094	99.61	1.004	0.379	/
Level7&8&9		Left Edge	10	CH 6	2437	0.09	0.090	21.61	22.00	1.094	99.61	1.004	0.099	/
Level7&8&9		Right Edge	10	CH 6	2437	-0.15	0.613	21.61	22.00	1.094	99.61	1.004	0.673	79#
Level7&8&9		Top Edge	10	CH 6	2437	0.13	0.271	21.61	22.00	1.094	99.61	1.004	0.298	/
Level7&8&9		Bottom Edge	10	CH 6	2437	0.13	0.003	21.61	22.00	1.094	99.61	1.004	0.003	/
Level10&11	802.11 b	Front Side	10	CH 1	2412	0.01	0.258	20.53	21.00	1.114	99.61	1.004	0.289	/
Level10&11		Back Side	10	CH 1	2412	0.17	0.274	20.53	21.00	1.114	99.61	1.004	0.306	/
Level10&11		Left Edge	10	CH 1	2412	0.12	0.072	20.53	21.00	1.114	99.61	1.004	0.081	/
Level10&11		Right Edge	10	CH 1	2412	0.17	0.487	20.53	21.00	1.114	99.61	1.004	0.545	/
Level10&11		Top Edge	10	CH 1	2412	0.07	0.215	20.53	21.00	1.114	99.61	1.004	0.240	/
Level10&11		Bottom Edge	10	CH 1	2412	0.19	0.016	20.53	21.00	1.114	99.61	1.004	0.018	/
Level12	802.11 b	Front Side	10	CH 1	2412	0.10	0.103	16.82	17.00	1.042	99.61	1.004	0.108	/
Level12		Back Side	10	CH 1	2412	0.00	0.109	16.82	17.00	1.042	99.61	1.004	0.114	/
Level12		Left Edge	10	CH 1	2412	-0.07	0.029	16.82	17.00	1.042	99.61	1.004	0.030	/
Level12		Right Edge	10	CH 1	2412	-0.03	0.194	16.82	17.00	1.042	99.61	1.004	0.203	/
Level12		Top Edge	10	CH 1	2412	-0.03	0.085	16.82	17.00	1.042	99.61	1.004	0.089	/
Level12		Bottom Edge	10	CH 1	2412	-0.13	0.019	16.82	17.00	1.042	99.61	1.004	0.020	/

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

11.25 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.2	5.3G	Level1	802.11a	Left Cheek	0	64	5320	0.09	0.261	13.61	14.50	1.227	97.12	1.030	0.330	/		
		Level1		Left Tilt	0	64	5320	-0.08	0.064	13.61	14.50	1.227	97.12	1.030	0.081	/		
		Level1		Right Cheek	0	64	5320	0.18	0.159	13.61	14.50	1.227	97.12	1.030	0.201	/		
		Level1		Right Tilt	0	64	5320	0.12	0.061	13.61	14.50	1.227	97.12	1.030	0.077	/		
		Level2	802.11ac(VHT80)	Left Cheek	0	58	5290	0.02	0.073	8.86	10.00	1.300	88.70	1.127	1.030	0.107	/	
		Level2		Left Tilt	0	58	5290	-0.18	0.028	8.86	10.00	1.300	88.70	1.127	1.030	0.041	/	
		Level2		Right Cheek	0	58	5290	-0.01	0.064	8.86	10.00	1.300	88.70	1.127	1.030	0.094	/	
		Level2		Right Tilt	0	58	5290	0.05	0.042	8.86	10.00	1.300	88.70	1.127	1.030	0.062	/	
		Level3	802.11n(HT40)	Left Cheek	0	62	5310	0.00	0.199	13.22	14.00	1.197	92.67	1.079	1.030	0.257	/	
		Level3		Left Tilt	0	62	5310	-0.11	0.058	13.22	14.00	1.197	92.67	1.079	1.030	0.075	/	
		Level3		Right Cheek	0	62	5310	-0.08	0.129	13.22	14.00	1.197	92.67	1.079	1.030	0.167	/	
		Level3		Right Tilt	0	62	5310	-0.17	0.041	13.22	14.00	1.197	92.67	1.079	1.030	0.053	/	
		Level4	802.11n(HT40)	Left Cheek	0	62	5310	-0.14	0.158	12.26	13.00	1.186	92.67	1.079	1.030	0.202	/	
		Level4		Left Tilt	0	62	5310	-0.11	0.046	12.26	13.00	1.186	92.67	1.079	1.030	0.059	/	
		Level4		Right Cheek	0	62	5310	0.03	0.102	12.26	13.00	1.186	92.67	1.079	1.030	0.131	/	
		Level4		Right Tilt	0	62	5310	-0.18	0.033	12.26	13.00	1.186	92.67	1.079	1.030	0.042	/	
		Level5	802.11ac(VHT80)	Left Cheek	0	58	5290	-0.10	0.029	4.79	6.00	1.321	88.70	1.127	1.030	0.043	/	
		Level5		Left Tilt	0	58	5290	-0.05	0.012	4.79	6.00	1.321	88.70	1.127	1.030	0.018	/	
		Level5		Right Cheek	0	58	5290	-0.09	0.025	4.79	6.00	1.321	88.70	1.127	1.030	0.037	/	
		Level5		Right Tilt	0	58	5290	-0.01	0.017	4.79	6.00	1.321	88.70	1.127	1.030	0.025	/	
		Level6	802.11ac(VHT80)	Left Cheek	0	58	5290	0.10	0.092	10.22	11.00	1.197	88.70	1.127	1.030	0.124	/	
		Level6		Left Tilt	0	58	5290	-0.17	0.036	10.22	11.00	1.197	88.70	1.127	1.030	0.049	/	
		Level6		Right Cheek	0	58	5290	0.04	0.080	10.22	11.00	1.197	88.70	1.127	1.030	0.108	/	
		Level6		Right Tilt	0	58	5290	-0.07	0.053	10.22	11.00	1.197	88.70	1.127	1.030	0.071	/	
		Ant.9		Level1	802.11a	Left Cheek	0	64	5320	-0.03	0.677	13.61	14.50	1.227	97.12	1.030	0.856	/
				Level1		Left Tilt	0	64	5320	-0.12	0.623	13.61	14.50	1.227	97.12	1.030	0.787	/
				Level1		Right Cheek	0	64	5320	0.03	0.384	13.61	14.50	1.227	97.12	1.030	0.485	/
				Level1		Right Tilt	0	64	5320	-0.09	0.432	13.61	14.50	1.227	97.12	1.030	0.546	/
Level1	Left Cheek			0	52	5260	-0.03	0.686	13.58	14.50	1.236	97.12	1.030	0.873	/			
Level1	Left Cheek			0	60	5300	0.10	0.688	13.59	14.50	1.233	97.12	1.030	0.874	/			
Level2	802.11ac(VHT80)			Left Cheek	0	58	5290	-0.16	0.189	8.86	10.00	1.300	88.70	1.127	1.030	0.277	/	

	Level2	802.11n(HT40)	Left Tilt	0	58	5290	0.00	0.182	8.86	10.00	1.300	88.70	1.127	0.267	/
	Level2		Right Cheek	0	58	5290	-0.19	0.101	8.86	10.00	1.300	88.70	1.127	0.148	/
	Level2		Right Tilt	0	58	5290	0.12	0.113	8.86	10.00	1.300	88.70	1.127	0.166	/
	Level3	802.11n(HT40)	Left Cheek	0	62	5310	0.02	0.611	13.22	14.00	1.197	92.67	1.079	0.789	/
	Level3		Left Tilt	0	62	5310	-0.02	0.551	13.22	14.00	1.197	92.67	1.079	0.712	/
	Level3		Right Cheek	0	62	5310	-0.08	0.334	13.22	14.00	1.197	92.67	1.079	0.431	/
	Level3		Right Tilt	0	62	5310	-0.07	0.381	13.22	14.00	1.197	92.67	1.079	0.492	/
	Level4	802.11n(HT40)	Left Cheek	0	62	5310	0.12	0.486	12.26	13.00	1.186	92.67	1.079	0.622	/
	Level4		Left Tilt	0	62	5310	0.00	0.437	12.26	13.00	1.186	92.67	1.079	0.559	/
	Level4		Right Cheek	0	62	5310	0.02	0.265	12.26	13.00	1.186	92.67	1.079	0.339	/
	Level4		Right Tilt	0	62	5310	-0.13	0.303	12.26	13.00	1.186	92.67	1.079	0.388	/
	Level5	802.11ac(VHT80)	Left Cheek	0	58	5290	-0.17	0.076	4.79	6.00	1.321	88.70	1.127	0.113	/
	Level5		Left Tilt	0	58	5290	-0.08	0.073	4.79	6.00	1.321	88.70	1.127	0.109	/
	Level5		Right Cheek	0	58	5290	-0.19	0.040	4.79	6.00	1.321	88.70	1.127	0.060	/
	Level5		Right Tilt	0	58	5290	0.08	0.045	4.79	6.00	1.321	88.70	1.127	0.067	/
	Level6	802.11ac(VHT80)	Left Cheek	0	58	5290	-0.07	0.238	10.22	11.00	1.197	88.70	1.127	0.321	/
	Level6		Left Tilt	0	58	5290	0.14	0.229	10.22	11.00	1.197	88.70	1.127	0.309	/
	Level6		Right Cheek	0	58	5290	-0.15	0.126	10.22	11.00	1.197	88.70	1.127	0.170	/
	Level6		Right Tilt	0	58	5290	0.07	0.143	10.22	11.00	1.197	88.70	1.127	0.193	/
	Ant.9&Ant.10	Level1	802.11a	Left Cheek	0	64	5320	0.13	0.771	13.61	14.50	1.227	97.12	1.030	0.974
Level1		Left Tilt		0	64	5320	0.06	0.681	13.61	14.50	1.227	97.12	1.030	0.861	/
Level1		Right Cheek		0	64	5320	0.07	0.406	13.61	14.50	1.227	97.12	1.030	0.513	/
Level1		Right Tilt		0	64	5320	-0.11	0.416	13.61	14.50	1.227	97.12	1.030	0.526	/
Level1		Left Cheek		0	52	5260	0.15	0.796	13.58	14.50	1.236	97.12	1.030	1.013	80#
Level1		Left Cheek		0	60	5300	-0.13	0.703	13.59	14.50	1.233	97.12	1.030	0.893	/
Level2		802.11ac(VHT80)	Left Cheek	0	58	5290	-0.05	0.218	8.86	10.00	1.300	88.70	1.127	0.319	/
Level2			Left Tilt	0	58	5290	0.14	0.197	8.86	10.00	1.300	88.70	1.127	0.289	/
Level2			Right Cheek	0	58	5290	-0.03	0.114	8.86	10.00	1.300	88.70	1.127	0.167	/
Level2			Right Tilt	0	58	5290	-0.11	0.126	8.86	10.00	1.300	88.70	1.127	0.185	/
Level3		802.11n(HT40)	Left Cheek	0	62	5310	-0.10	0.681	13.22	14.00	1.197	92.67	1.079	0.880	/
Level3			Left Tilt	0	62	5310	-0.05	0.591	13.22	14.00	1.197	92.67	1.079	0.763	/
Level3			Right Cheek	0	62	5310	0.10	0.350	13.22	14.00	1.197	92.67	1.079	0.452	/
Level3			Right Tilt	0	62	5310	-0.05	0.399	13.22	14.00	1.197	92.67	1.079	0.515	/
Level3			Left Cheek	0	54	5270	0.10	0.686	13.19	14.00	1.205	92.67	1.079	0.892	/
Level4		802.11n(HT40)	Left Cheek	0	62	5310	-0.06	0.541	12.26	13.00	1.186	92.67	1.079	0.692	/
Level4			Left Tilt	0	62	5310	-0.05	0.470	12.26	13.00	1.186	92.67	1.079	0.601	/
Level4			Right Cheek	0	62	5310	0.17	0.278	12.26	13.00	1.186	92.67	1.079	0.356	/

		Level4	802.11ac(VHT80)	Right Tilt	0	62	5310	0.18	0.317	12.26	13.00	1.186	92.67	1.079	0.406	/		
		Level5		Left Cheek	0	58	5290	0.04	0.087	4.79	6.00	1.321	88.70	1.127	0.130	/		
		Level5		Left Tilt	0	58	5290	0.12	0.079	4.79	6.00	1.321	88.70	1.127	0.118	/		
		Level5		Right Cheek	0	58	5290	0.08	0.045	4.79	6.00	1.321	88.70	1.127	0.067	/		
		Level5	Right Tilt	0	58	5290	0.16	0.050	4.79	6.00	1.321	88.70	1.127	0.074	/			
		Level6	802.11ac(VHT80)	Left Cheek	0	58	5290	-0.06	0.275	10.22	11.00	1.197	88.70	1.127	0.371	/		
		Level6		Left Tilt	0	58	5290	-0.09	0.248	10.22	11.00	1.197	88.70	1.127	0.335	/		
		Level6		Right Cheek	0	58	5290	0.09	0.143	10.22	11.00	1.197	88.70	1.127	0.193	/		
		Level6		Right Tilt	0	58	5290	-0.12	0.158	10.22	11.00	1.197	88.70	1.127	0.213	/		
		Ant.2	5.6G	Leve1	802.11ac(VHT80)	Left Cheek	0	122	5610	0.18	0.351	13.84	14.50	1.164	88.70	1.127	0.460	/
				Leve1		Left Tilt	0	122	5610	-0.14	0.171	13.84	14.50	1.164	88.70	1.127	0.224	/
				Leve1		Right Cheek	0	122	5610	0.11	0.182	13.84	14.50	1.164	88.70	1.127	0.239	/
				Leve1		Right Tilt	0	122	5610	0.13	0.070	13.84	14.50	1.164	88.70	1.127	0.092	/
				Leve2	802.11ac(VHT80)	Left Cheek	0	122	5610	-0.01	0.125	9.63	10.00	1.089	88.70	1.127	0.153	/
				Leve2		Left Tilt	0	122	5610	0.06	0.061	9.63	10.00	1.089	88.70	1.127	0.075	/
				Leve2		Right Cheek	0	122	5610	-0.12	0.065	9.63	10.00	1.089	88.70	1.127	0.080	/
Leve2	Right Tilt			0		122	5610	0.11	0.024	9.63	10.00	1.089	88.70	1.127	0.029	/		
Leve3	802.11ac(VHT80)			Left Cheek	0	122	5610	0.04	0.315	13.31	14.00	1.172	88.70	1.127	0.416	/		
Leve3				Left Tilt	0	122	5610	0.19	0.152	13.31	14.00	1.172	88.70	1.127	0.201	/		
Leve3				Right Cheek	0	122	5610	0.11	0.163	13.31	14.00	1.172	88.70	1.127	0.215	/		
Leve3				Right Tilt	0	122	5610	0.01	0.061	13.31	14.00	1.172	88.70	1.127	0.081	/		
Leve4	802.11ac(VHT80)			Left Cheek	0	122	5610	0.06	0.250	12.33	13.00	1.167	88.70	1.127	0.329	/		
Leve4				Left Tilt	0	122	5610	0.12	0.121	12.33	13.00	1.167	88.70	1.127	0.159	/		
Leve4				Right Cheek	0	122	5610	-0.14	0.129	12.33	13.00	1.167	88.70	1.127	0.170	/		
Leve4				Right Tilt	0	122	5610	0.13	0.048	12.33	13.00	1.167	88.70	1.127	0.063	/		
Leve5	802.11ac(VHT80)			Left Cheek	0	122	5610	0.14	0.050	5.62	6.00	1.091	88.70	1.127	0.061	/		
Leve5				Left Tilt	0	122	5610	0.00	0.024	5.62	6.00	1.091	88.70	1.127	0.030	/		
Leve5				Right Cheek	0	122	5610	0.04	0.026	5.62	6.00	1.091	88.70	1.127	0.032	/		
Leve5				Right Tilt	0	122	5610	-0.02	0.009	5.62	6.00	1.091	88.70	1.127	0.011	/		
Leve6	802.11ac(VHT80)			Left Cheek	0	122	5610	-0.15	0.157	10.34	11.00	1.164	88.70	1.127	0.206	/		
Leve6				Left Tilt	0	122	5610	-0.13	0.077	10.34	11.00	1.164	88.70	1.127	0.101	/		
Leve6				Right Cheek	0	122	5610	-0.01	0.081	10.34	11.00	1.164	88.70	1.127	0.106	/		
Leve6				Right Tilt	0	122	5610	-0.03	0.030	10.34	11.00	1.164	88.70	1.127	0.039	/		
Ant.9				Leve1	802.11ac(VHT80)	Left Cheek	0	122	5610	-0.12	0.682	14.17	14.50	1.079	88.70	1.127	0.829	/
				Leve1		Left Tilt	0	122	5610	0.10	0.535	14.17	14.50	1.079	88.70	1.127	0.651	/
				Leve1		Right Cheek	0	122	5610	0.09	0.425	14.17	14.50	1.079	88.70	1.127	0.517	/
				Leve1		Right Tilt	0	122	5610	0.02	0.377	14.17	14.50	1.079	88.70	1.127	0.458	/

	Leve1	802.11ac(VHT80)	Left Cheek	0	106	5530	0.16	0.208	8.61	9.00	1.094	88.70	1.127	0.256	/
	Leve2		Left Cheek	0	122	5610	0.18	0.242	9.86	10.00	1.033	88.70	1.127	0.282	/
	Leve2		Left Tilt	0	122	5610	-0.09	0.190	9.86	10.00	1.033	88.70	1.127	0.221	/
	Leve2		Right Cheek	0	122	5610	-0.05	0.151	9.86	10.00	1.033	88.70	1.127	0.176	/
	Leve2		Right Tilt	0	122	5610	0.12	0.134	9.86	10.00	1.033	88.70	1.127	0.156	/
	Leve3	802.11ac(VHT80)	Left Cheek	0	122	5610	-0.10	0.609	13.67	14.00	1.079	88.70	1.127	0.741	/
	Leve3		Left Tilt	0	122	5610	-0.04	0.477	13.67	14.00	1.079	88.70	1.127	0.580	/
	Leve3		Right Cheek	0	122	5610	0.18	0.380	13.67	14.00	1.079	88.70	1.127	0.462	/
	Leve3		Right Tilt	0	122	5610	0.02	0.335	13.67	14.00	1.079	88.70	1.127	0.407	/
	Leve4	802.11ac(VHT80)	Left Cheek	0	122	5610	-0.03	0.484	12.66	13.00	1.081	88.70	1.127	0.590	/
	Leve4		Left Tilt	0	122	5610	-0.01	0.379	12.66	13.00	1.081	88.70	1.127	0.462	/
	Leve4		Right Cheek	0	122	5610	0.15	0.303	12.66	13.00	1.081	88.70	1.127	0.369	/
	Leve4		Right Tilt	0	122	5610	0.01	0.266	12.66	13.00	1.081	88.70	1.127	0.324	/
	Leve5	802.11ac(VHT80)	Left Cheek	0	122	5610	0.17	0.096	5.92	6.00	1.019	88.70	1.127	0.110	/
	Leve5		Left Tilt	0	122	5610	-0.02	0.076	5.92	6.00	1.019	88.70	1.127	0.087	/
	Leve5		Right Cheek	0	122	5610	-0.16	0.060	5.92	6.00	1.019	88.70	1.127	0.069	/
	Leve5		Right Tilt	0	122	5610	0.07	0.053	5.92	6.00	1.019	88.70	1.127	0.061	/
	Leve6	802.11ac(VHT80)	Left Cheek	0	122	5610	0.03	0.305	10.65	11.00	1.084	88.70	1.127	0.373	/
	Leve6		Left Tilt	0	122	5610	-0.02	0.239	10.65	11.00	1.084	88.70	1.127	0.292	/
	Leve6		Right Cheek	0	122	5610	0.05	0.191	10.65	11.00	1.084	88.70	1.127	0.233	/
Leve6	Right Tilt		0	122	5610	0.19	0.167	10.65	11.00	1.084	88.70	1.127	0.204	/	
Ant.9&Ant.10	Leve1	802.11ac(VHT80)	Left Cheek	0	122	5610	0.17	0.835	17.14	17.50	1.086	88.70	1.127	1.022	81#
	Leve1		Left Tilt	0	122	5610	0.15	0.635	17.14	17.50	1.086	88.70	1.127	0.777	/
	Leve1		Right Cheek	0	122	5610	-0.10	0.400	17.14	17.50	1.086	88.70	1.127	0.490	/
	Leve1		Right Tilt	0	122	5610	-0.15	0.422	17.14	17.50	1.086	88.70	1.127	0.516	/
	Leve1		Left Cheek	0	106	5530	-0.05	0.202	11.69	12.00	1.074	88.70	1.127	0.245	/
	Leve2	802.11ac(VHT80)	Left Cheek	0	122	5610	0.09	0.296	12.87	13.00	1.030	88.70	1.127	0.344	/
	Leve2		Left Tilt	0	122	5610	-0.08	0.226	12.87	13.00	1.030	88.70	1.127	0.262	/
	Leve2		Right Cheek	0	122	5610	0.19	0.142	12.87	13.00	1.030	88.70	1.127	0.165	/
	Leve2		Right Tilt	0	122	5610	0.01	0.150	12.87	13.00	1.030	88.70	1.127	0.174	/
	Leve3	802.11ac(VHT80)	Left Cheek	0	122	5610	-0.10	0.744	16.61	17.00	1.094	88.70	1.127	0.917	/
	Leve3		Left Tilt	0	122	5610	0.19	0.567	16.61	17.00	1.094	88.70	1.127	0.699	/
	Leve3		Right Cheek	0	122	5610	0.08	0.357	16.61	17.00	1.094	88.70	1.127	0.440	/
	Leve3		Right Tilt	0	122	5610	-0.04	0.376	16.61	17.00	1.094	88.70	1.127	0.464	/
	Leve3		Left Cheek	0	106	5530	0.05	0.202	11.69	12.00	1.074	88.70	1.127	0.245	/
	Leve4	802.11ac(VHT80)	Left Cheek	0	122	5610	-0.19	0.591	15.57	16.00	1.104	88.70	1.127	0.735	/
	Leve4		Left Tilt	0	122	5610	-0.06	0.450	15.57	16.00	1.104	88.70	1.127	0.560	/

		Leve4	802.11ac(VHT80)	Right Cheek	0	122	5610	-0.02	0.283	15.57	16.00	1.104	88.70	1.127	0.352	/		
		Leve4		Right Tilt	0	122	5610	0.17	0.299	15.57	16.00	1.104	88.70	1.127	0.372	/		
		Leve5	802.11ac(VHT80)	Left Cheek	0	122	5610	-0.14	0.118	8.85	9.00	1.035	88.70	1.127	0.138	/		
		Leve5		Left Tilt	0	122	5610	-0.17	0.090	8.85	9.00	1.035	88.70	1.127	0.105	/		
		Leve5		Right Cheek	0	122	5610	-0.11	0.057	8.85	9.00	1.035	88.70	1.127	0.066	/		
		Leve5		Right Tilt	0	122	5610	-0.03	0.060	8.85	9.00	1.035	88.70	1.127	0.070	/		
		Leve6	802.11ac(VHT80)	Left Cheek	0	122	5610	0.05	0.372	13.68	14.00	1.076	88.70	1.127	0.451	/		
		Leve6		Left Tilt	0	122	5610	0.09	0.284	13.68	14.00	1.076	88.70	1.127	0.344	/		
		Leve6		Right Cheek	0	122	5610	0.19	0.180	13.68	14.00	1.076	88.70	1.127	0.218	/		
		Leve6		Right Tilt	0	122	5610	-0.14	0.189	13.68	14.00	1.076	88.70	1.127	0.229	/		
		Ant.2	5.8G	Level1	802.11ac(VHT80)	Left Cheek	0	155	5775	0.06	0.350	13.85	14.50	1.161	88.70	1.127	0.458	/
				Level1		Left Tilt	0	155	5775	0.05	0.102	13.85	14.50	1.161	88.70	1.127	0.133	/
				Level1		Right Cheek	0	155	5775	0.18	0.181	13.85	14.50	1.161	88.70	1.127	0.237	/
				Level1		Right Tilt	0	155	5775	-0.10	0.076	13.85	14.50	1.161	88.70	1.127	0.099	/
				Level2	802.11ac(VHT80)	Left Cheek	0	155	5775	-0.07	0.124	9.56	10.00	1.107	88.70	1.127	0.155	/
				Level2		Left Tilt	0	155	5775	-0.18	0.036	9.56	10.00	1.107	88.70	1.127	0.045	/
Level2	Right Cheek			0		155	5775	0.04	0.064	9.56	10.00	1.107	88.70	1.127	0.080	/		
Level2	Right Tilt			0		155	5775	0.16	0.027	9.56	10.00	1.107	88.70	1.127	0.034	/		
Level3	802.11ac(VHT80)			Left Cheek	0	155	5775	-0.03	0.313	13.28	14.00	1.180	88.70	1.127	0.416	/		
Level3				Left Tilt	0	155	5775	0.17	0.090	13.28	14.00	1.180	88.70	1.127	0.120	/		
Level3				Right Cheek	0	155	5775	0.17	0.161	13.28	14.00	1.180	88.70	1.127	0.214	/		
Level3				Right Tilt	0	155	5775	0.15	0.068	13.28	14.00	1.180	88.70	1.127	0.090	/		
Level4	802.11ac(VHT80)			Left Cheek	0	155	5775	0.12	0.249	12.31	13.00	1.172	88.70	1.127	0.329	/		
Level4				Left Tilt	0	155	5775	-0.04	0.071	12.31	13.00	1.172	88.70	1.127	0.094	/		
Level4				Right Cheek	0	155	5775	-0.08	0.128	12.31	13.00	1.172	88.70	1.127	0.169	/		
Level4				Right Tilt	0	155	5775	0.07	0.054	12.31	13.00	1.172	88.70	1.127	0.071	/		
Level5	802.11ac(VHT80)			Left Cheek	0	155	5775	-0.04	0.049	5.48	6.00	1.127	88.70	1.127	0.062	/		
Level5				Left Tilt	0	155	5775	-0.07	0.015	5.48	6.00	1.127	88.70	1.127	0.019	/		
Level5				Right Cheek	0	155	5775	0.10	0.026	5.48	6.00	1.127	88.70	1.127	0.033	/		
Level5				Right Tilt	0	155	5775	-0.07	0.011	5.48	6.00	1.127	88.70	1.127	0.014	/		
Level6	802.11ac(VHT80)			Left Cheek	0	155	5775	-0.02	0.155	10.34	11.00	1.164	88.70	1.127	0.203	/		
Level6				Left Tilt	0	155	5775	-0.02	0.047	10.34	11.00	1.164	88.70	1.127	0.062	/		
Level6				Right Cheek	0	155	5775	0.13	0.081	10.34	11.00	1.164	88.70	1.127	0.106	/		
Level6				Right Tilt	0	155	5775	0.04	0.035	10.34	11.00	1.164	88.70	1.127	0.046	/		
Ant.9				Level1	802.11ac(VHT80)	Left Cheek	0	155	5775	-0.02	0.645	13.84	14.50	1.164	88.70	1.127	0.846	/
				Level1		Left Tilt	0	155	5775	0.07	0.583	13.84	14.50	1.164	88.70	1.127	0.765	/
				Level1		Right Cheek	0	155	5775	0.07	0.342	13.84	14.50	1.164	88.70	1.127	0.449	/

	Level1	802.11ac(VHT80)	Right Tilt	0	155	5775	0.05	0.355	13.84	14.50	1.164	88.70	1.127	0.466	/
	Level2		Left Cheek	0	155	5775	-0.05	0.229	9.62	10.00	1.091	88.70	1.127	0.282	/
	Level2		Left Tilt	0	155	5775	-0.18	0.207	9.62	10.00	1.091	88.70	1.127	0.255	/
	Level2		Right Cheek	0	155	5775	-0.01	0.121	9.62	10.00	1.091	88.70	1.127	0.149	/
	Level2		Right Tilt	0	155	5775	0.01	0.126	9.62	10.00	1.091	88.70	1.127	0.155	/
	Level3	802.11ac(VHT80)	Left Cheek	0	155	5775	0.09	0.575	13.40	14.00	1.148	88.70	1.127	0.744	/
	Level3		Left Tilt	0	155	5775	-0.03	0.519	13.40	14.00	1.148	88.70	1.127	0.671	/
	Level3		Right Cheek	0	155	5775	-0.12	0.305	13.40	14.00	1.148	88.70	1.127	0.395	/
	Level3		Right Tilt	0	155	5775	-0.11	0.316	13.40	14.00	1.148	88.70	1.127	0.409	/
	Level4	802.11ac(VHT80)	Left Cheek	0	155	5775	0.12	0.457	12.38	13.00	1.153	88.70	1.127	0.594	/
	Level4		Left Tilt	0	155	5775	0.12	0.412	12.38	13.00	1.153	88.70	1.127	0.535	/
	Level4		Right Cheek	0	155	5775	0.12	0.242	12.38	13.00	1.153	88.70	1.127	0.314	/
	Level4		Right Tilt	0	155	5775	0.05	0.251	12.38	13.00	1.153	88.70	1.127	0.326	/
	Level5	802.11ac(VHT80)	Left Cheek	0	155	5775	0.09	0.091	5.54	6.00	1.112	88.70	1.127	0.114	/
	Level5		Left Tilt	0	155	5775	-0.10	0.082	5.54	6.00	1.112	88.70	1.127	0.103	/
	Level5		Right Cheek	0	155	5775	0.00	0.048	5.54	6.00	1.112	88.70	1.127	0.060	/
	Level5		Right Tilt	0	155	5775	-0.16	0.049	5.54	6.00	1.112	88.70	1.127	0.061	/
	Level6	802.11ac(VHT80)	Left Cheek	0	155	5775	0.02	0.288	10.35	11.00	1.161	88.70	1.127	0.377	/
	Level6		Left Tilt	0	155	5775	-0.01	0.260	10.35	11.00	1.161	88.70	1.127	0.340	/
	Level6		Right Cheek	0	155	5775	-0.09	0.153	10.35	11.00	1.161	88.70	1.127	0.200	/
Level6	Right Tilt		0	155	5775	0.14	0.156	10.35	11.00	1.161	88.70	1.127	0.204	/	
Ant.9&Ant.10	Level1	802.11ac(VHT80)	Left Cheek	0	155	5775	0.19	0.728	16.94	17.50	1.138	88.70	1.127	0.934	82#
	Level1		Left Tilt	0	155	5775	0.02	0.587	16.94	17.50	1.138	88.70	1.127	0.753	/
	Level1		Right Cheek	0	155	5775	0.18	0.362	16.94	17.50	1.138	88.70	1.127	0.464	/
	Level1		Right Tilt	0	155	5775	-0.15	0.358	16.94	17.50	1.138	88.70	1.127	0.459	/
	Level2	802.11ac(VHT80)	Left Cheek	0	155	5775	0.09	0.258	12.72	13.00	1.067	88.70	1.127	0.310	/
	Level2		Left Tilt	0	155	5775	-0.03	0.208	12.72	13.00	1.067	88.70	1.127	0.250	/
	Level2		Right Cheek	0	155	5775	-0.01	0.129	12.72	13.00	1.067	88.70	1.127	0.155	/
	Level2		Right Tilt	0	155	5775	-0.08	0.127	12.72	13.00	1.067	88.70	1.127	0.153	/
	Level3	802.11ac(VHT80)	Left Cheek	0	155	5775	0.01	0.650	16.47	17.00	1.130	88.70	1.127	0.828	/
	Level3		Left Tilt	0	155	5775	-0.13	0.523	16.47	17.00	1.130	88.70	1.127	0.666	/
	Level3		Right Cheek	0	155	5775	-0.14	0.324	16.47	17.00	1.130	88.70	1.127	0.413	/
	Level3		Right Tilt	0	155	5775	-0.08	0.318	16.47	17.00	1.130	88.70	1.127	0.405	/
	Level4	802.11ac(VHT80)	Left Cheek	0	155	5775	0.00	0.516	15.41	16.00	1.146	88.70	1.127	0.666	/
	Level4		Left Tilt	0	155	5775	-0.07	0.415	15.41	16.00	1.146	88.70	1.127	0.536	/
	Level4		Right Cheek	0	155	5775	0.04	0.257	15.41	16.00	1.146	88.70	1.127	0.332	/
	Level4		Right Tilt	0	155	5775	-0.08	0.252	15.41	16.00	1.146	88.70	1.127	0.325	/

		Level5	802.11ac(VHT80)	Left Cheek	0	155	5775	-0.15	0.103	8.59	9.00	1.099	88.70	1.127	0.128	/
		Level5		Left Tilt	0	155	5775	-0.09	0.082	8.59	9.00	1.099	88.70	1.127	0.102	/
		Level5		Right Cheek	0	155	5775	-0.18	0.051	8.59	9.00	1.099	88.70	1.127	0.063	/
		Level5		Right Tilt	0	155	5775	-0.04	0.050	8.59	9.00	1.099	88.70	1.127	0.062	/
		Level6	802.11ac(VHT80)	Left Cheek	0	155	5775	-0.15	0.325	13.43	14.00	1.140	88.70	1.127	0.418	/
		Level6		Left Tilt	0	155	5775	0.18	0.260	13.43	14.00	1.140	88.70	1.127	0.334	/
		Level6		Right Cheek	0	155	5775	-0.01	0.162	13.43	14.00	1.140	88.70	1.127	0.208	/
		Level6		Right Tilt	0	155	5775	0.11	0.159	13.43	14.00	1.140	88.70	1.127	0.204	/
Body-worn																
Ant.2		Level7&8&9&10	802.11a	Front Side	15	60	5300	-0.15	0.046	15.17	16.10	1.239	97.12	1.030	0.059	/
		Level7&8&9&10		Back Side	15	60	5300	0.12	0.080	15.17	16.10	1.239	97.12	1.030	0.102	/
		Level11	802.11n(HT40)	Front Side	15	62	5310	0.14	0.030	13.22	14.00	1.197	92.67	1.079	0.039	/
		Level11		Back Side	15	62	5310	-0.10	0.047	13.22	14.00	1.197	92.67	1.079	0.061	/
		Level12	802.11n(HT40)	Front Side	15	62	5310	-0.09	0.024	12.26	13.00	1.186	92.67	1.079	0.031	/
		Level12		Back Side	15	62	5310	-0.18	0.038	12.26	13.00	1.186	92.67	1.079	0.049	/
Ant.9	5.3G	Level7&8&9&10	802.11a	Front Side	15	64	5320	-0.04	0.098	15.87	16.10	1.054	97.12	1.030	0.106	/
		Level7&8&9&10		Back Side	15	64	5320	-0.18	0.063	15.87	16.10	1.054	97.12	1.030	0.068	/
		Level11	802.11n(HT40)	Front Side	15	54	5270	-0.19	0.060	13.77	14.00	1.054	92.67	1.079	0.068	/
		Level11		Back Side	15	54	5270	0.13	0.039	13.77	14.00	1.054	92.67	1.079	0.044	/
		Level12	802.11n(HT40)	Front Side	15	54	5270	0.17	0.047	12.75	13.00	1.059	92.67	1.079	0.054	/
		Level12		Back Side	15	54	5270	0.13	0.032	12.75	13.00	1.059	92.67	1.079	0.037	/
Ant.9&Ant.10		Level7&8&9&10	802.11a	Front Side	15	60	5300	0.01	0.145	18.72	19.10	1.091	97.12	1.030	0.163	83#
		Level7&8&9&10		Back Side	15	60	5300	-0.16	0.100	18.72	19.10	1.091	97.12	1.030	0.112	/
		Level11	802.11n(HT40)	Front Side	15	62	5310	0.06	0.087	16.66	17.00	1.081	92.67	1.079	0.101	/
		Level11		Back Side	15	62	5310	-0.12	0.062	16.66	17.00	1.081	92.67	1.079	0.072	/
		Level12	802.11n(HT40)	Front Side	15	62	5310	0.11	0.069	15.62	16.00	1.091	92.67	1.079	0.081	/
		Level12		Back Side	15	62	5310	-0.17	0.050	15.62	16.00	1.091	92.67	1.079	0.059	/
Ant.2(5.6G	Level7&8&9&10	802.11a	Front Side	15	116	5580	-0.05	0.076	15.36	16.10	1.186	97.12	1.030	0.093	/
		Level7&8&9&10		Back Side	15	116	5580	-0.08	0.136	15.36	16.10	1.186	97.12	1.030	0.166	/
		Level11	802.11ac(VHT80)	Front Side	15	122	5610	-0.14	0.053	13.31	14.00	1.172	88.70	1.127	0.070	/
		Level11		Back Side	15	122	5610	0.18	0.074	13.31	14.00	1.172	88.70	1.127	0.098	/
		Level12	802.11ac(VHT80)	Front Side	15	122	5610	0.14	0.042	12.33	13.00	1.167	88.70	1.127	0.055	/
		Level12		Back Side	15	122	5610	-0.17	0.059	12.33	13.00	1.167	88.70	1.127	0.078	/
Ant.9		Level7&8&9&10	802.11a	Front Side	15	116	5580	-0.06	0.139	15.73	16.10	1.089	97.12	1.030	0.156	/
		Level7&8&9&10		Back Side	15	116	5580	-0.05	0.091	15.73	16.10	1.089	97.12	1.030	0.102	/
		Level11	802.11ac(VHT80)	Front Side	15	122	5610	0.14	0.071	13.67	14.00	1.079	88.70	1.127	0.086	/
		Level11		Back Side	15	122	5610	-0.02	0.045	13.67	14.00	1.079	88.70	1.127	0.055	/

		Level12	802.11ac(VHT80)	Front Side	15	122	5610	0.04	0.057	12.66	13.00	1.081	88.70	1.127	0.069	/		
		Level12		Back Side	15	122	5610	-0.11	0.036	12.66	13.00	1.081	88.70	1.127	0.044	/		
Ant.9&Ant.10		Level7&8&9&10	802.11a	Front Side	15	120	5600	0.12	0.174	18.74	19.10	1.086	97.12	1.030	0.195	84#		
		Level7&8&9&10		Back Side	15	120	5600	0.02	0.167	18.74	19.10	1.086	97.12	1.030	0.187	/		
		Level11	802.11ac(VHT80)	Front Side	15	122	5610	0.18	0.096	16.61	17.00	1.094	88.70	1.127	0.118	/		
		Level11		Back Side	15	122	5610	-0.09	0.089	16.61	17.00	1.094	88.70	1.127	0.110	/		
		Level12	802.11ac(VHT80)	Front Side	15	122	5610	-0.08	0.076	15.57	16.00	1.104	88.70	1.127	0.095	/		
		Level12		Back Side	15	122	5610	0.08	0.071	15.57	16.00	1.104	88.70	1.127	0.088	/		
		Ant.2	5.8G	Level7&8&9	802.11ac(VHT80)	Front Side	15	155	5775	-0.08	0.210	17.18	18.00	1.208	88.70	1.127	0.286	/
				Level7&8&9		Back Side	15	155	5775	0.08	0.219	17.18	18.00	1.208	88.70	1.127	0.298	/
Level10	Front Side			15		155	5775	0.16	0.166	16.17	17.00	1.211	88.70	1.127	0.227	/		
Level10	Back Side			15		155	5775	-0.04	0.174	16.17	17.00	1.211	88.70	1.127	0.237	/		
Level11	Front Side			15		155	5775	0.14	0.084	13.28	14.00	1.180	88.70	1.127	0.112	/		
Level11	Back Side			15		155	5775	-0.05	0.087	13.28	14.00	1.180	88.70	1.127	0.116	/		
Level12	Front Side			15		155	5775	-0.11	0.067	12.31	13.00	1.172	88.70	1.127	0.088	/		
Level12	Back Side			15		155	5775	0.00	0.069	12.31	13.00	1.172	88.70	1.127	0.091	/		
Ant.9	5.8G	Level7&8&9	802.11ac(VHT80)	Front Side	15	155	5775	0.14	0.174	17.29	18.00	1.178	88.70	1.127	0.231	/		
		Level7&8&9		Back Side	15	155	5775	-0.19	0.084	17.29	18.00	1.178	88.70	1.127	0.112	/		
		Level10		Front Side	15	155	5775	0.12	0.138	16.34	17.00	1.164	88.70	1.127	0.181	/		
		Level10		Back Side	15	155	5775	0.08	0.067	16.34	17.00	1.164	88.70	1.127	0.088	/		
		Level11		Front Side	15	155	5775	0.01	0.069	13.40	14.00	1.148	88.70	1.127	0.089	/		
		Level11		Back Side	15	155	5775	-0.04	0.033	13.40	14.00	1.148	88.70	1.127	0.043	/		
		Level12		Front Side	15	155	5775	-0.04	0.055	12.38	13.00	1.153	88.70	1.127	0.071	/		
		Level12		Back Side	15	155	5775	-0.12	0.027	12.38	13.00	1.153	88.70	1.127	0.035	/		
Ant.9&Ant.10		Level7&8&9	802.11ac(VHT80)	Front Side	15	155	5775	0.14	0.234	20.32	21.00	1.169	88.70	1.127	0.308	/		
		Level7&8&9		Back Side	15	155	5775	1.40	0.246	20.32	21.00	1.169	88.70	1.127	0.324	85#		
		Level10		Front Side	15	155	5775	0.02	0.187	19.36	20.00	1.159	88.70	1.127	0.244	/		
		Level10		Back Side	15	155	5775	-0.19	0.195	19.36	20.00	1.159	88.70	1.127	0.255	/		
		Level11		Front Side	15	155	5775	-0.05	0.093	16.47	17.00	1.130	88.70	1.127	0.118	/		
		Level11		Back Side	15	155	5775	-0.09	0.098	16.47	17.00	1.130	88.70	1.127	0.125	/		
		Level12		Front Side	15	155	5775	-0.17	0.074	15.41	16.00	1.146	88.70	1.127	0.096	/		
		Level12		Back Side	15	155	5775	0.00	0.077	15.41	16.00	1.146	88.70	1.127	0.099	/		
Hotspot																		
Ant.2	5.2G	Level7&8&9&10	802.11a	Front Side	10	36	5180	0.14	0.108	15.09	16.10	1.262	97.12	1.030	0.140	/		
		Level7&8&9&10		Back Side	10	36	5180	-0.15	0.168	15.09	16.10	1.262	97.12	1.030	0.218	/		
		Level7&8&9&10		Left Edge	10	36	5180	-0.10	0.406	15.09	16.10	1.262	97.12	1.030	0.528	/		
		Level7&8&9&10		Right Edge	10	36	5180	0.07	0.018	15.09	16.10	1.262	97.12	1.030	0.023	/		

	Level7&8&9&10		Top Edge	10	36	5180	-0.11	0.080	15.09	16.10	1.262	97.12	1.030	0.104	/	
	Level7&8&9&10		Bottom Edge	10	36	5180	0.19	0.015	15.09	16.10	1.262	97.12	1.030	0.019	/	
	Level11	802.11n(HT40)	Front Side	10	46	5230	-0.11	0.079	13.13	14.00	1.222	92.67	1.079	0.104	/	
	Level11		Back Side	10	46	5230	-0.06	0.130	13.13	14.00	1.222	92.67	1.079	0.171	/	
	Level11		Left Edge	10	46	5230	-0.12	0.302	13.13	14.00	1.222	92.67	1.079	0.398	/	
	Level11		Right Edge	10	46	5230	-0.11	0.003	13.13	14.00	1.222	92.67	1.079	0.004	/	
	Level11		Top Edge	10	46	5230	0.14	0.064	13.13	14.00	1.222	92.67	1.079	0.084	/	
	Level11		Bottom Edge	10	46	5230	-0.08	0.019	13.13	14.00	1.222	92.67	1.079	0.025	/	
	Level12		802.11n(HT40)	Front Side	10	46	5230	0.08	0.062	12.09	13.00	1.233	92.67	1.079	0.082	/
	Level12			Back Side	10	46	5230	-0.09	0.102	12.09	13.00	1.233	92.67	1.079	0.136	/
	Level12	Left Edge		10	46	5230	-0.05	0.239	12.09	13.00	1.233	92.67	1.079	0.318	/	
	Level12	Right Edge		10	46	5230	-0.03	0.007	12.09	13.00	1.233	92.67	1.079	0.009	/	
	Level12	Top Edge		10	46	5230	-0.12	0.051	12.09	13.00	1.233	92.67	1.079	0.068	/	
	Level12	Bottom Edge		10	46	5230	-0.14	0.004	12.09	13.00	1.233	92.67	1.079	0.005	/	
	Ant.9	Level7&8&9&10	802.11a	Front Side	10	48	5240	0.15	0.223	15.74	16.10	1.086	97.12	1.030	0.249	/
		Level7&8&9&10		Back Side	10	48	5240	-0.13	0.131	15.74	16.10	1.086	97.12	1.030	0.147	/
		Level7&8&9&10		Left Edge	10	48	5240	-0.16	0.125	15.74	16.10	1.086	97.12	1.030	0.140	/
		Level7&8&9&10		Right Edge	10	48	5240	-0.19	0.003	15.74	16.10	1.086	97.12	1.030	0.003	/
Level7&8&9&10		Top Edge		10	48	5240	0.02	0.150	15.74	16.10	1.086	97.12	1.030	0.168	/	
Level7&8&9&10		Bottom Edge		10	48	5240	0.11	0.020	15.74	16.10	1.086	97.12	1.030	0.022	/	
Level11		802.11n(HT40)	Front Side	10	46	5230	-0.05	0.133	13.72	14.00	1.067	92.67	1.079	0.153	/	
Level11			Back Side	10	46	5230	-0.15	0.079	13.72	14.00	1.067	92.67	1.079	0.091	/	
Level11			Left Edge	10	46	5230	0.07	0.062	13.72	14.00	1.067	92.67	1.079	0.071	/	
Level11			Right Edge	10	46	5230	-0.12	0.047	13.72	14.00	1.067	92.67	1.079	0.054	/	
Level11			Top Edge	10	46	5230	0.15	0.197	13.72	14.00	1.067	92.67	1.079	0.227	/	
Level11			Bottom Edge	10	46	5230	-0.08	0.011	13.72	14.00	1.067	92.67	1.079	0.013	/	
Level12		802.11n(HT40)	Front Side	10	46	5230	-0.02	0.106	12.70	13.00	1.072	92.67	1.079	0.123	/	
Level12			Back Side	10	46	5230	0.13	0.062	12.70	13.00	1.072	92.67	1.079	0.072	/	
Level12			Left Edge	10	46	5230	0.11	0.049	12.70	13.00	1.072	92.67	1.079	0.057	/	
Level12			Right Edge	10	46	5230	-0.06	0.038	12.70	13.00	1.072	92.67	1.079	0.044	/	
Level12			Top Edge	10	46	5230	0.04	0.157	12.70	13.00	1.072	92.67	1.079	0.182	/	
Level12			Bottom Edge	10	46	5230	-0.11	0.020	12.70	13.00	1.072	92.67	1.079	0.023	/	
Ant.9&Ant.10	Level7&8&9&10	802.11a	Front Side	10	40	5200	-0.06	0.303	18.73	19.10	1.089	97.12	1.030	0.340	/	
	Level7&8&9&10		Back Side	10	40	5200	0.08	0.224	18.73	19.10	1.089	97.12	1.030	0.251	/	
	Level7&8&9&10		Left Edge	10	40	5200	0.06	0.482	18.73	19.10	1.089	97.12	1.030	0.541	86#	
	Level7&8&9&10		Right Edge	10	40	5200	-0.13	0.045	18.73	19.10	1.089	97.12	1.030	0.050	/	
	Level7&8&9&10		Top Edge	10	40	5200	0.02	0.350	18.73	19.10	1.089	97.12	1.030	0.393	/	

		Level7&&&9&10	802.11n(HT40)	Bottom Edge	10	40	5200	0.01	0.058	18.73	19.10	1.089	97.12	1.030	0.065	/
		Level11		Front Side	10	46	5230	0.06	0.201	16.58	17.00	1.102	92.67	1.079	0.239	/
		Level11		Back Side	10	46	5230	-0.18	0.164	16.58	17.00	1.102	92.67	1.079	0.195	/
		Level11		Left Edge	10	46	5230	0.09	0.337	16.58	17.00	1.102	92.67	1.079	0.401	/
		Level11		Right Edge	10	46	5230	0.05	0.048	16.58	17.00	1.102	92.67	1.079	0.057	/
		Level11		Top Edge	10	46	5230	-0.02	0.209	16.58	17.00	1.102	92.67	1.079	0.249	/
		Level11		Bottom Edge	10	46	5230	0.09	0.007	16.58	17.00	1.102	92.67	1.079	0.008	/
		Level12		Front Side	10	46	5230	-0.19	0.160	15.58	16.00	1.102	92.67	1.079	0.190	/
		Level12		Back Side	10	46	5230	0.06	0.130	15.58	16.00	1.102	92.67	1.079	0.155	/
		Level12		Left Edge	10	46	5230	-0.06	0.267	15.58	16.00	1.102	92.67	1.079	0.317	/
		Level12		Right Edge	10	46	5230	0.02	0.039	15.58	16.00	1.102	92.67	1.079	0.046	/
		Level12		Top Edge	10	46	5230	-0.19	0.166	15.58	16.00	1.102	92.67	1.079	0.197	/
		Level12		Bottom Edge	10	46	5230	0.00	0.015	15.58	16.00	1.102	92.67	1.079	0.018	/
		Ant.2		5.8G	Level7&&&9	802.11ac(VHT80)	Front Side	10	155	5775	-0.11	0.250	17.18	18.00	1.208	88.70
Level7&&&9	Back Side		10		155		5775	-0.04	0.306	17.18	18.00	1.208	88.70	1.127	0.417	/
Level7&&&9	Left Edge		10		155		5775	0.84	0.660	17.18	18.00	1.208	88.70	1.127	0.899	87#
Level7&&&9	Right Edge		10		155		5775	-0.19	0.024	17.18	18.00	1.208	88.70	1.127	0.033	/
Level7&&&9	Top Edge		10		155		5775	-0.11	0.074	17.18	18.00	1.208	88.70	1.127	0.101	/
Level7&&&9	Bottom Edge		10		155		5775	0.18	0.049	17.18	18.00	1.208	88.70	1.127	0.067	/
Level10	Front Side		10		155		5775	0.18	0.198	16.17	17.00	1.211	88.70	1.127	0.270	/
Level10	Back Side		10		155		5775	-0.03	0.243	16.17	17.00	1.211	88.70	1.127	0.332	/
Level10	Left Edge		10		155		5775	-0.01	0.524	16.17	17.00	1.211	88.70	1.127	0.715	/
Level10	Right Edge		10		155		5775	0.13	0.019	16.17	17.00	1.211	88.70	1.127	0.026	/
Level10	Top Edge		10		155		5775	0.04	0.059	16.17	17.00	1.211	88.70	1.127	0.081	/
Level10	Bottom Edge		10		155		5775	-0.09	0.039	16.17	17.00	1.211	88.70	1.127	0.053	/
Level11	Front Side		10		155		5775	-0.03	0.099	13.28	14.00	1.180	88.70	1.127	0.132	/
Level11	Back Side		10		155		5775	0.06	0.122	13.28	14.00	1.180	88.70	1.127	0.162	/
Level11	Left Edge		10		155		5775	0.14	0.262	13.28	14.00	1.180	88.70	1.127	0.348	/
Level11	Right Edge		10		155		5775	-0.12	0.010	13.28	14.00	1.180	88.70	1.127	0.013	/
Level11	Top Edge		10		155		5775	0.01	0.030	13.28	14.00	1.180	88.70	1.127	0.040	/
Level11	Bottom Edge		10		155		5775	-0.07	0.020	13.28	14.00	1.180	88.70	1.127	0.027	/
Level12	Front Side		10		155		5775	-0.02	0.078	12.31	13.00	1.172	88.70	1.127	0.103	/
Level12	Back Side		10		155		5775	0.12	0.096	12.31	13.00	1.172	88.70	1.127	0.127	/
Level12	Left Edge		10		155		5775	0.08	0.208	12.31	13.00	1.172	88.70	1.127	0.275	/
Level12	Right Edge		10		155		5775	0.14	0.008	12.31	13.00	1.172	88.70	1.127	0.011	/
Level12	Top Edge		10		155		5775	-0.09	0.023	12.31	13.00	1.172	88.70	1.127	0.030	/
Level12	Bottom Edge		10		155		5775	0.18	0.015	12.31	13.00	1.172	88.70	1.127	0.020	/

Ant.9	Level7&8&9	802.11ac(VHT80)	Front Side	10	155	5775	0.11	0.284	17.29	18.00	1.178	88.70	1.127	0.377	/
	Level7&8&9		Back Side	10	155	5775	-0.06	0.107	17.29	18.00	1.178	88.70	1.127	0.142	/
	Level7&8&9		Left Edge	10	155	5775	-0.07	0.104	17.29	18.00	1.178	88.70	1.127	0.138	/
	Level7&8&9		Right Edge	10	155	5775	-0.04	0.060	17.29	18.00	1.178	88.70	1.127	0.080	/
	Level7&8&9		Top Edge	10	155	5775	-0.17	0.289	17.29	18.00	1.178	88.70	1.127	0.384	/
	Level7&8&9		Bottom Edge	10	155	5775	0.17	0.016	17.29	18.00	1.178	88.70	1.127	0.021	/
	Level10		Front Side	10	155	5775	-0.17	0.225	16.34	17.00	1.164	88.70	1.127	0.295	/
	Level10		Back Side	10	155	5775	0.19	0.086	16.34	17.00	1.164	88.70	1.127	0.113	/
	Level10		Left Edge	10	155	5775	-0.07	0.082	16.34	17.00	1.164	88.70	1.127	0.108	/
	Level10		Right Edge	10	155	5775	0.12	0.047	16.34	17.00	1.164	88.70	1.127	0.062	/
	Level10		Top Edge	10	155	5775	0.00	0.230	16.34	17.00	1.164	88.70	1.127	0.302	/
	Level10		Bottom Edge	10	155	5775	0.16	0.013	16.34	17.00	1.164	88.70	1.127	0.017	/
	Level11		Front Side	10	155	5775	-0.07	0.113	13.40	14.00	1.148	88.70	1.127	0.146	/
	Level11		Back Side	10	155	5775	0.06	0.043	13.40	14.00	1.148	88.70	1.127	0.056	/
	Level11		Left Edge	10	155	5775	0.13	0.041	13.40	14.00	1.148	88.70	1.127	0.053	/
	Level11		Right Edge	10	155	5775	0.11	0.023	13.40	14.00	1.148	88.70	1.127	0.030	/
	Level11		Top Edge	10	155	5775	0.09	0.115	13.40	14.00	1.148	88.70	1.127	0.149	/
	Level11		Bottom Edge	10	155	5775	0.02	0.003	13.40	14.00	1.148	88.70	1.127	0.004	/
	Level12		Front Side	10	155	5775	-0.12	0.089	12.38	13.00	1.153	88.70	1.127	0.116	/
	Level12		Back Side	10	155	5775	-0.19	0.034	12.38	13.00	1.153	88.70	1.127	0.044	/
	Level12		Left Edge	10	155	5775	0.02	0.033	12.38	13.00	1.153	88.70	1.127	0.043	/
	Level12		Right Edge	10	155	5775	0.19	0.019	12.38	13.00	1.153	88.70	1.127	0.025	/
	Level12		Top Edge	10	155	5775	0.05	0.092	12.38	13.00	1.153	88.70	1.127	0.120	/
	Level12		Bottom Edge	10	155	5775	-0.19	0.007	12.38	13.00	1.153	88.70	1.127	0.009	/
Ant.9&Ant.10	Level7&8&9	802.11ac(VHT80)	Front Side	10	155	5775	0.08	0.339	20.32	21.00	1.169	88.70	1.127	0.447	/
	Level7&8&9		Back Side	10	155	5775	-0.07	0.369	20.32	21.00	1.169	88.70	1.127	0.486	/
	Level7&8&9		Left Edge	10	155	5775	-0.18	0.609	20.32	21.00	1.169	88.70	1.127	0.802	/
	Level7&8&9		Right Edge	10	155	5775	-0.03	0.062	20.32	21.00	1.169	88.70	1.127	0.082	/
	Level7&8&9		Top Edge	10	155	5775	-0.11	0.332	20.32	21.00	1.169	88.70	1.127	0.437	/
	Level7&8&9		Bottom Edge	10	155	5775	-0.13	0.017	20.32	21.00	1.169	88.70	1.127	0.022	/
	Level10		Front Side	10	155	5775	-0.09	0.270	19.36	20.00	1.159	88.70	1.127	0.353	/
	Level10		Back Side	10	155	5775	0.10	0.293	19.36	20.00	1.159	88.70	1.127	0.383	/
	Level10		Left Edge	10	155	5775	-0.16	0.484	19.36	20.00	1.159	88.70	1.127	0.632	/
	Level10		Right Edge	10	155	5775	-0.13	0.050	19.36	20.00	1.159	88.70	1.127	0.065	/
	Level10		Top Edge	10	155	5775	0.03	0.263	19.36	20.00	1.159	88.70	1.127	0.344	/
	Level10		Bottom Edge	10	155	5775	0.18	0.007	19.36	20.00	1.159	88.70	1.127	0.009	/
	Level11		Front Side	10	155	5775	-0.17	0.135	16.47	17.00	1.130	88.70	1.127	0.172	/

		Level11	Back Side	10	155	5775	0.17	0.147	16.47	17.00	1.130	88.70	1.127	0.187	/
		Level11	Left Edge	10	155	5775	0.17	0.243	16.47	17.00	1.130	88.70	1.127	0.309	/
		Level11	Right Edge	10	155	5775	0.14	0.025	16.47	17.00	1.130	88.70	1.127	0.032	/
		Level11	Top Edge	10	155	5775	-0.19	0.132	16.47	17.00	1.130	88.70	1.127	0.168	/
		Level11	Bottom Edge	10	155	5775	-0.12	0.009	16.47	17.00	1.130	88.70	1.127	0.011	/
		Level12	Front Side	10	155	5775	-0.04	0.107	15.41	16.00	1.146	88.70	1.127	0.138	/
		Level12	Back Side	10	155	5775	0.13	0.116	15.41	16.00	1.146	88.70	1.127	0.150	/
		Level12	Left Edge	10	155	5775	-0.14	0.193	15.41	16.00	1.146	88.70	1.127	0.249	/
		Level12	Right Edge	10	155	5775	-0.09	0.020	15.41	16.00	1.146	88.70	1.127	0.026	/
		Level12	Top Edge	10	155	5775	-0.04	0.105	15.41	16.00	1.146	88.70	1.127	0.136	/
		Level12	Bottom Edge	10	155	5775	0.05	0.003	15.41	16.00	1.146	88.70	1.127	0.004	/

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	1 g Scaled SAR (W/kg)	Meas. No.		
Specify																		
Ant.2	5.3G	Level7&8&9&10	802.11a	Front Side	0	64	5320	0.15	0.328	15.17	16.10	1.239	97.12	1.030	0.419	/		
		Level7&8&9&10		Back Side	0	64	5320	0.17	0.263	15.17	16.10	1.239	97.12	1.030	0.336	/		
		Level7&8&9&10		Left Edge	0	64	5320	-0.02	0.654	15.17	16.10	1.239	97.12	1.030	0.835	/		
		Level7&8&9&10		Right Edge	0	64	5320	-0.01	0.004	15.17	16.10	1.239	97.12	1.030	0.005	/		
		Level7&8&9&10		Top Edge	0	64	5320	0.06	0.049	15.17	16.10	1.239	97.12	1.030	0.063	/		
		Level7&8&9&10		Bottom Edge	0	64	5320	0.04	0.055	15.17	16.10	1.239	97.12	1.030	0.070	/		
		Level11	802.11n(HT40)	Front Side	0	54	5270	-0.02	0.218	13.22	14.00	1.197	92.67	1.079	0.282	/		
		Level11		Back Side	0	54	5270	-0.17	0.175	13.22	14.00	1.197	92.67	1.079	0.226	/		
		Level11		Left Edge	0	54	5270	-0.19	0.620	13.22	14.00	1.197	92.67	1.079	0.801	/		
		Level11		Right Edge	0	54	5270	0.17	0.003	13.22	14.00	1.197	92.67	1.079	0.004	/		
		Level11		Top Edge	0	54	5270	0.08	0.039	13.22	14.00	1.197	92.67	1.079	0.050	/		
		Level11		Bottom Edge	0	54	5270	-0.19	0.029	13.22	14.00	1.197	92.67	1.079	0.037	/		
		Level12	802.11n(HT40)	Front Side	0	54	5270	0.11	0.175	12.26	13.00	1.186	92.67	1.079	0.224	/		
		Level12		Back Side	0	54	5270	0.13	0.141	12.26	13.00	1.186	92.67	1.079	0.180	/		
		Level12		Left Edge	0	54	5270	0.00	0.497	12.26	13.00	1.186	92.67	1.079	0.636	/		
		Level12		Right Edge	0	54	5270	0.06	0.005	12.26	13.00	1.186	92.67	1.079	0.006	/		
		Level12		Top Edge	0	54	5270	-0.01	0.031	12.26	13.00	1.186	92.67	1.079	0.040	/		
		Level12		Bottom Edge	0	54	5270	-0.05	0.023	12.26	13.00	1.186	92.67	1.079	0.029	/		
		Ant.9	5.3G	Level7&8&9&10	802.11a	Front Side	0	64	5320	0.19	0.819	15.87	16.10	1.054	97.12	1.030	0.889	/
				Level7&8&9&10		Back Side	0	64	5320	0.08	0.248	15.87	16.10	1.054	97.12	1.030	0.269	/
				Level7&8&9&10		Left Edge	0	64	5320	-0.11	0.292	15.87	16.10	1.054	97.12	1.030	0.317	/
Level7&8&9&10	Right Edge			0		64	5320	-0.15	0.029	15.87	16.10	1.054	97.12	1.030	0.031	/		
Level7&8&9&10	Top Edge			0		64	5320	-0.02	0.796	15.87	16.10	1.054	97.12	1.030	0.864	/		
Level7&8&9&10	Bottom Edge			0		64	5320	-0.07	0.022	15.87	16.10	1.054	97.12	1.030	0.024	/		
Level11	802.11n(HT40)			Front Side	0	54	5270	0.00	0.530	13.77	14.00	1.054	92.67	1.079	0.603	/		
Level11				Back Side	0	54	5270	0.08	0.143	13.77	14.00	1.054	92.67	1.079	0.163	/		
Level11				Left Edge	0	54	5270	-0.12	0.192	13.77	14.00	1.054	92.67	1.079	0.218	/		
Level11				Right Edge	0	54	5270	0.11	0.063	13.77	14.00	1.054	92.67	1.079	0.072	/		
Level11				Top Edge	0	54	5270	0.06	0.574	13.77	14.00	1.054	92.67	1.079	0.653	/		
Level11				Bottom Edge	0	54	5270	-0.19	0.016	13.77	14.00	1.054	92.67	1.079	0.018	/		
Level12	802.11n(HT40)			Front Side	0	54	5270	0.13	0.419	12.75	13.00	1.059	92.67	1.079	0.479	/		

		Level12		Back Side	0	54	5270	0.02	0.113	12.75	13.00	1.059	92.67	1.079	0.129	/	
		Level12		Left Edge	0	54	5270	-0.08	0.151	12.75	13.00	1.059	92.67	1.079	0.173	/	
		Level12		Right Edge	0	54	5270	0.19	0.049	12.75	13.00	1.059	92.67	1.079	0.056	/	
		Level12		Top Edge	0	54	5270	-0.03	0.454	12.75	13.00	1.059	92.67	1.079	0.519	/	
		Level12		Bottom Edge	0	54	5270	-0.06	0.013	12.75	13.00	1.059	92.67	1.079	0.015	/	
Ant.9&Ant.10	802.11a	Level7&8&9&10	802.11a	Front Side	0	64	5320	-0.09	0.790	18.72	19.10	1.091	97.12	1.030	0.888	/	
		Level7&8&9&10		Back Side	0	64	5320	0.14	0.386	18.72	19.10	1.091	97.12	1.030	0.434	/	
		Level7&8&9&10		Left Edge	0	64	5320	-0.02	0.841	18.72	19.10	1.091	97.12	1.030	0.945	/	
		Level7&8&9&10		Right Edge	0	64	5320	0.09	0.035	18.72	19.10	1.091	97.12	1.030	0.039	/	
		Level7&8&9&10		Top Edge	0	64	5320	0.04	0.849	18.72	19.10	1.091	97.12	1.030	0.954	88#	
		Level7&8&9&10		Bottom Edge	0	64	5320	0.01	0.083	18.72	19.10	1.091	97.12	1.030	0.093	/	
	802.11n(HT40)	Level11	802.11n(HT40)	Front Side	0	54	5270	0.08	0.592	16.66	17.00	1.081	92.67	1.079	0.691	/	
		Level11		Back Side	0	54	5270	-0.09	0.210	16.66	17.00	1.081	92.67	1.079	0.245	/	
		Level11		Left Edge	0	54	5270	-0.11	0.023	16.66	17.00	1.081	92.67	1.079	0.027	/	
		Level11		Right Edge	0	54	5270	0.11	0.593	16.66	17.00	1.081	92.67	1.079	0.692	/	
		Level11		Top Edge	0	54	5270	0.16	0.550	16.66	17.00	1.081	92.67	1.079	0.642	/	
		Level11		Bottom Edge	0	54	5270	0.00	0.036	16.66	17.00	1.081	92.67	1.079	0.042	/	
	802.11n(HT40)	Level12	802.11n(HT40)	Front Side	0	54	5270	0.15	0.466	15.62	16.00	1.091	92.67	1.079	0.549	/	
		Level12		Back Side	0	54	5270	0.10	0.166	15.62	16.00	1.091	92.67	1.079	0.195	/	
		Level12		Left Edge	0	54	5270	0.17	0.018	15.62	16.00	1.091	92.67	1.079	0.021	/	
		Level12		Right Edge	0	54	5270	0.08	0.467	15.62	16.00	1.091	92.67	1.079	0.550	/	
		Level12		Top Edge	0	54	5270	0.10	0.433	15.62	16.00	1.091	92.67	1.079	0.510	/	
		Level12		Bottom Edge	0	54	5270	-0.06	0.029	15.62	16.00	1.091	92.67	1.079	0.034	/	
	Ant.2	5.6G	Level7&8&9&10	802.11a	Front Side	0	116	5580	-0.01	0.408	15.36	16.10	1.186	97.12	1.030	0.498	/
			Level7&8&9&10		Back Side	0	116	5580	-0.11	0.307	15.36	16.10	1.186	97.12	1.030	0.375	/
			Level7&8&9&10		Left Edge	0	116	5580	0.06	0.766	15.36	16.10	1.186	97.12	1.030	0.936	/
Level7&8&9&10			Right Edge		0	116	5580	-0.03	0.019	15.36	16.10	1.186	97.12	1.030	0.023	/	
Level7&8&9&10			Top Edge		0	116	5580	0.05	0.041	15.36	16.10	1.186	97.12	1.030	0.050	/	
Level7&8&9&10			Bottom Edge		0	116	5580	0.08	0.046	15.36	16.10	1.186	97.12	1.030	0.056	/	
802.11ac(VHT80)		Level11	802.11ac(VHT80)	Front Side	0	122	5610	-0.06	0.216	13.31	14.00	1.172	88.70	1.127	0.285	/	
		Level11		Back Side	0	122	5610	-0.10	0.152	13.31	14.00	1.172	88.70	1.127	0.201	/	
		Level11		Left Edge	0	122	5610	0.17	0.389	13.31	14.00	1.172	88.70	1.127	0.514	/	
		Level11		Right Edge	0	122	5610	0.07	0.016	13.31	14.00	1.172	88.70	1.127	0.021	/	
		Level11		Top Edge	0	122	5610	-0.12	0.025	13.31	14.00	1.172	88.70	1.127	0.033	/	
		Level11		Bottom Edge	0	122	5610	0.19	0.033	13.31	14.00	1.172	88.70	1.127	0.044	/	
		Level12	802.11ac(VHT80)	Front Side	0	122	5610	0.03	0.172	12.33	13.00	1.167	88.70	1.127	0.226	/	
		Level12		Back Side	0	122	5610	0.07	0.121	12.33	13.00	1.167	88.70	1.127	0.159	/	

	Level12		Left Edge	0	122	5610	0.07	0.311	12.33	13.00	1.167	88.70	1.127	0.409	/
	Level12		Right Edge	0	122	5610	-0.16	0.002	12.33	13.00	1.167	88.70	1.127	0.003	/
	Level12		Top Edge	0	122	5610	-0.08	0.020	12.33	13.00	1.167	88.70	1.127	0.026	/
	Level12		Bottom Edge	0	122	5610	0.04	0.026	12.33	13.00	1.167	88.70	1.127	0.034	/
Ant.9	Level7&8&9&10	802.11a	Front Side	0	116	5580	0.12	0.731	15.73	16.10	1.089	97.12	1.030	0.820	/
	Level7&8&9&10		Back Side	0	116	5580	-0.15	0.223	15.73	16.10	1.089	97.12	1.030	0.250	/
	Level7&8&9&10		Left Edge	0	116	5580	0.05	0.269	15.73	16.10	1.089	97.12	1.030	0.302	/
	Level7&8&9&10		Right Edge	0	116	5580	0.05	0.047	15.73	16.10	1.089	97.12	1.030	0.053	/
	Level7&8&9&10		Top Edge	0	116	5580	-0.12	0.777	15.73	16.10	1.089	97.12	1.030	0.872	/
	Level7&8&9&10		Bottom Edge	0	116	5580	0.06	0.014	15.73	16.10	1.089	97.12	1.030	0.016	/
	Level11	802.11ac(VHT80)	Front Side	0	122	5610	-0.10	0.415	13.67	14.00	1.079	88.70	1.127	0.505	/
	Level11		Back Side	0	122	5610	-0.03	0.117	13.67	14.00	1.079	88.70	1.127	0.142	/
	Level11		Left Edge	0	122	5610	-0.07	0.209	13.67	14.00	1.079	88.70	1.127	0.254	/
	Level11		Right Edge	0	122	5610	0.04	0.021	13.67	14.00	1.079	88.70	1.127	0.026	/
	Level11		Top Edge	0	122	5610	0.11	0.246	13.67	14.00	1.079	88.70	1.127	0.299	/
	Level11		Bottom Edge	0	122	5610	0.11	0.009	13.31	14.00	1.172	88.70	1.127	0.012	/
	Level12	802.11ac(VHT80)	Front Side	0	122	5610	-0.02	0.329	12.66	13.00	1.081	88.70	1.127	0.401	/
	Level12		Back Side	0	122	5610	0.01	0.093	12.66	13.00	1.081	88.70	1.127	0.113	/
	Level12		Left Edge	0	122	5610	-0.03	0.166	12.66	13.00	1.081	88.70	1.127	0.202	/
	Level12		Right Edge	0	122	5610	0.01	0.016	12.66	13.00	1.081	88.70	1.127	0.019	/
	Level12		Top Edge	0	122	5610	0.16	0.195	12.66	13.00	1.081	88.70	1.127	0.238	/
	Level12		Bottom Edge	0	122	5610	0.19	0.018	12.66	13.00	1.081	88.70	1.127	0.022	/
Ant.9&Ant.10	Level7&8&9&10	802.11a	Front Side	0	116	5580	-0.01	0.794	18.74	19.10	1.086	97.12	1.030	0.888	/
	Level7&8&9&10		Back Side	0	116	5580	-0.19	0.305	18.74	19.10	1.086	97.12	1.030	0.341	/
	Level7&8&9&10		Left Edge	0	116	5580	0.05	0.852	18.74	19.10	1.086	97.12	1.030	0.953	89#
	Level7&8&9&10		Right Edge	0	116	5580	-0.17	0.043	18.74	19.10	1.086	97.12	1.030	0.048	/
	Level7&8&9&10		Top Edge	0	116	5580	-0.07	0.594	18.74	19.10	1.086	97.12	1.030	0.664	/
	Level7&8&9&10		Bottom Edge	0	116	5580	-0.14	0.076	18.74	19.10	1.086	97.12	1.030	0.085	/
	Level11	802.11ac(VHT80)	Front Side	0	122	5610	0.19	0.478	16.61	17.00	1.094	88.70	1.127	0.589	/
	Level11		Back Side	0	122	5610	-0.08	0.174	16.61	17.00	1.094	88.70	1.127	0.215	/
	Level11		Left Edge	0	122	5610	0.15	0.548	16.61	17.00	1.094	88.70	1.127	0.676	/
	Level11		Right Edge	0	122	5610	0.06	0.028	16.61	17.00	1.094	88.70	1.127	0.035	/
	Level11		Top Edge	0	122	5610	0.01	0.287	16.61	17.00	1.094	88.70	1.127	0.354	/
	Level11		Bottom Edge	0	122	5610	-0.01	0.035	16.61	17.00	1.094	88.70	1.127	0.043	/
	Level12	802.11ac(VHT80)	Front Side	0	122	5610	-0.15	0.376	15.57	16.00	1.104	88.70	1.127	0.468	/
	Level12		Back Side	0	122	5610	-0.03	0.136	15.57	16.00	1.104	88.70	1.127	0.169	/
	Level12		Left Edge	0	122	5610	0.19	0.432	15.57	16.00	1.104	88.70	1.127	0.537	/

		Level12		Right Edge	0	122	5610	-0.03	0.022	15.57	16.00	1.104	88.70	1.127	0.027	/
		Level12		Top Edge	0	122	5610	-0.04	0.225	15.57	16.00	1.104	88.70	1.127	0.280	/
		Level12		Bottom Edge	0	122	5610	-0.11	0.028	15.57	16.00	1.104	88.70	1.127	0.035	/

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

11.26 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.8	DH5	Left Cheek	0	1	2403	-0.15	0.248	13.56	15.00	1.393	76.61	1.305	0.451	90#
		Left Tilt	0	1	2403	-0.07	0.198	13.56	15.00	1.393	76.61	1.305	0.360	/
		Right Cheek	0	1	2403	-0.05	0.125	13.56	15.00	1.393	76.61	1.305	0.227	/
		Right Tilt	0	1	2403	-0.06	0.113	13.56	15.00	1.393	76.61	1.305	0.205	/
Body-worn														
Ant.8	DH5	Front Side	15	1	2403	0.12	0.016	13.56	15.00	1.393	76.61	1.305	0.022	/
		Back Side	15	1	2403	0.03	0.035	13.56	15.00	1.393	76.61	1.305	0.049	91#
Hotspot														
Ant.8	DH5	Front Side	10	1	2403	-0.10	0.039	13.56	15.00	1.393	76.61	1.305	0.054	/
		Back Side	10	1	2403	0.01	0.068	13.56	15.00	1.393	76.61	1.305	0.095	92#
		Left Edge	10	1	2403	-0.19	0.026	13.56	15.00	1.393	76.61	1.305	0.036	/
		Right Edge	10	1	2403	-0.14	0.008	13.56	15.00	1.393	76.61	1.305	0.011	/
		Top Edge	10	1	2403	-0.19	0.065	13.56	15.00	1.393	76.61	1.305	0.091	/
		Bottom Edge	10	1	2403	-0.07	0.005	13.56	15.00	1.393	76.61	1.305	0.007	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

12 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated ^{1st} Measured SAR (W/kg)	Largest to Smallest SAR Radio
2600	LTE band 41	Head	Right Tilt	0.915	Yes	0.910	1.01
2600	LTE band 41	Head	Right Cheek	0.823	Yes	0.817	1.01
2600	LTE band 41	Specific	Top Edge	2.420	Yes	2.380	1.02
1745	NR n66	Head	Right Cheek	0.816	Yes	0.804	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). According KDB 447498 D04, simultaneous transmission:

- a) $SPLSR = (SAR1 + SAR2)^{1.5} / R_i$ (min. separation distance, mm), and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
SAR1 is the highest reported or estimated SAR for the first of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition.
SAR2 is the highest reported or estimated SAR for the second of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition as the first.
- b) If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
- c) Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.

13.1 Simultaneous Transmission Mode Considerations

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot	Specific
1	WWAN + 5G WIFI(SISO/MIMO) + 2.4G WIFI(SISO/MIMO)	Yes	Yes	Yes	Yes
2	WWAN + 5G WIFI(SISO/MIMO) + BT	Yes	Yes	Yes	Yes

Note:

1. WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
2. The maximum SAR summation is calculated based on the same configuration and test position.
3. 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	5	6	7	WWAN+WIFI2.4 1+2	WWAN+WIFI2.4G+WIFI5G 1+3+6	WWAN+WIFI5G 1+4	WWAN+WIFI5G+BT 1+5+7
			WWAN	MAX. 2.4GWIFI	MAX. 2.4GWIFI	Max. 5GWIFI	Max. 5GWIFI	Max. 5GWIFI	BT				
			STATE4	Level4&5	LEVEL6	LEVEL4	LEVEL5	LEVEL6					
GSM850	Ant.0	Left Cheek	0.173	0.456	0.284	0.735	0.138	0.451	0.451	0.629	0.908	0.908	0.762
		Left Tilt	0.096	0.368	0.230	0.601	0.118	0.344	0.360	0.464	0.670	0.697	0.574
		Right Cheek	0.163	0.376	0.235	0.369	0.069	0.233	0.227	0.539	0.631	0.532	0.459
		Right Tilt	0.127	0.367	0.229	0.406	0.074	0.229	0.205	0.494	0.585	0.533	0.406
GSM850	Ant.1	Left Cheek	0.059	0.456	0.284	0.735	0.138	0.451	0.451	0.515	0.794	0.794	0.648
		Left Tilt	0.048	0.368	0.230	0.601	0.118	0.344	0.360	0.416	0.622	0.649	0.526
		Right Cheek	0.127	0.376	0.235	0.369	0.069	0.233	0.227	0.503	0.595	0.496	0.423
		Right Tilt	0.110	0.367	0.229	0.406	0.074	0.229	0.205	0.477	0.568	0.516	0.389
GSM1900	Ant.3	Left Cheek	0.338	0.456	0.284	0.735	0.138	0.451	0.451	0.794	1.073	1.073	0.927
		Left Tilt	0.350	0.368	0.230	0.601	0.118	0.344	0.360	0.718	0.924	0.951	0.828
		Right Cheek	0.688	0.376	0.235	0.369	0.069	0.233	0.227	1.064	1.156	1.057	0.984
		Right Tilt	0.597	0.367	0.229	0.406	0.074	0.229	0.205	0.964	1.055	1.003	0.876
GSM1900	Ant.4	Left Cheek	0.013	0.456	0.284	0.735	0.138	0.451	0.451	0.469	0.748	0.748	0.602
		Left Tilt	0.007	0.368	0.230	0.601	0.118	0.344	0.360	0.375	0.581	0.608	0.485
		Right Cheek	0.024	0.376	0.235	0.369	0.069	0.233	0.227	0.400	0.492	0.393	0.320
		Right Tilt	0.014	0.367	0.229	0.406	0.074	0.229	0.205	0.381	0.472	0.420	0.293
GSM1900	Ant.5	Left Cheek	0.201	0.456	0.284	0.735	0.138	0.451	0.451	0.657	0.936	0.936	0.790
		Left Tilt	0.053	0.368	0.230	0.601	0.118	0.344	0.360	0.421	0.627	0.654	0.531
		Right Cheek	0.289	0.376	0.235	0.369	0.069	0.233	0.227	0.665	0.757	0.658	0.585
		Right Tilt	0.093	0.367	0.229	0.406	0.074	0.229	0.205	0.460	0.551	0.499	0.372
WCDMA B2	Ant.3	Left Cheek	0.227	0.456	0.284	0.735	0.138	0.451	0.451	0.683	0.962	0.962	0.816
		Left Tilt	0.238	0.368	0.230	0.601	0.118	0.344	0.360	0.606	0.812	0.839	0.716
		Right Cheek	0.433	0.376	0.235	0.369	0.069	0.233	0.227	0.809	0.901	0.802	0.729
		Right Tilt	0.407	0.367	0.229	0.406	0.074	0.229	0.205	0.774	0.865	0.813	0.686
WCDMA B2	Ant.4	Left Cheek	0.127	0.456	0.284	0.735	0.138	0.451	0.451	0.583	0.862	0.862	0.716
		Left Tilt	0.090	0.368	0.230	0.601	0.118	0.344	0.360	0.458	0.664	0.691	0.568
		Right Cheek	0.140	0.376	0.235	0.369	0.069	0.233	0.227	0.516	0.608	0.509	0.436
		Right Tilt	0.055	0.367	0.229	0.406	0.074	0.229	0.205	0.422	0.513	0.461	0.334

WCDMA B2	Ant.5	Left Cheek	0.143	0.456	0.284	0.735	0.138	0.451	0.451	0.599	0.878	0.878	0.732
		Left Tilt	0.031	0.368	0.230	0.601	0.118	0.344	0.360	0.399	0.605	0.632	0.509
		Right Cheek	0.266	0.376	0.235	0.369	0.069	0.233	0.227	0.642	0.734	0.635	0.562
		Right Tilt	0.063	0.367	0.229	0.406	0.074	0.229	0.205	0.430	0.521	0.469	0.342
WCDMA B4	Ant.3	Left Cheek	0.227	0.456	0.284	0.735	0.138	0.451	0.451	0.683	0.962	0.962	0.816
		Left Tilt	0.291	0.368	0.230	0.601	0.118	0.344	0.360	0.659	0.865	0.892	0.769
		Right Cheek	0.496	0.376	0.235	0.369	0.069	0.233	0.227	0.872	0.964	0.865	0.792
		Right Tilt	0.450	0.367	0.229	0.406	0.074	0.229	0.205	0.817	0.908	0.856	0.729
WCDMA B4	Ant.4	Left Cheek	0.130	0.456	0.284	0.735	0.138	0.451	0.451	0.586	0.865	0.865	0.719
		Left Tilt	0.077	0.368	0.230	0.601	0.118	0.344	0.360	0.445	0.651	0.678	0.555
		Right Cheek	0.154	0.376	0.235	0.369	0.069	0.233	0.227	0.530	0.622	0.523	0.450
		Right Tilt	0.069	0.367	0.229	0.406	0.074	0.229	0.205	0.436	0.527	0.475	0.348
WCDMA B4	Ant.5	Left Cheek	0.076	0.456	0.284	0.735	0.138	0.451	0.451	0.532	0.811	0.811	0.665
		Left Tilt	0.026	0.368	0.230	0.601	0.118	0.344	0.360	0.394	0.600	0.627	0.504
		Right Cheek	0.092	0.376	0.235	0.369	0.069	0.233	0.227	0.468	0.560	0.461	0.388
		Right Tilt	0.016	0.367	0.229	0.406	0.074	0.229	0.205	0.383	0.474	0.422	0.295
WCDMA B5	Ant.0	Left Cheek	0.123	0.456	0.284	0.735	0.138	0.451	0.451	0.579	0.858	0.858	0.712
		Left Tilt	0.108	0.368	0.230	0.601	0.118	0.344	0.360	0.476	0.682	0.709	0.586
		Right Cheek	0.246	0.376	0.235	0.369	0.069	0.233	0.227	0.622	0.714	0.615	0.542
		Right Tilt	0.202	0.367	0.229	0.406	0.074	0.229	0.205	0.569	0.660	0.608	0.481
WCDMA B5	Ant.1	Left Cheek	0.155	0.456	0.284	0.735	0.138	0.451	0.451	0.611	0.890	0.890	0.744
		Left Tilt	0.073	0.368	0.230	0.601	0.118	0.344	0.360	0.441	0.647	0.674	0.551
		Right Cheek	0.145	0.376	0.235	0.369	0.069	0.233	0.227	0.521	0.613	0.514	0.441
		Right Tilt	0.087	0.367	0.229	0.406	0.074	0.229	0.205	0.454	0.545	0.493	0.366
LTE B2	Ant.3	Left Cheek	0.245	0.456	0.284	0.735	0.138	0.451	0.451	0.701	0.980	0.980	0.834
		Left Tilt	0.286	0.368	0.230	0.601	0.118	0.344	0.360	0.654	0.860	0.887	0.764
		Right Cheek	0.519	0.376	0.235	0.369	0.069	0.233	0.227	0.895	0.987	0.888	0.815
		Right Tilt	0.439	0.367	0.229	0.406	0.074	0.229	0.205	0.806	0.897	0.845	0.718
LTE B2	Ant.4	Left Cheek	0.113	0.456	0.284	0.735	0.138	0.451	0.451	0.569	0.848	0.848	0.702
		Left Tilt	0.082	0.368	0.230	0.601	0.118	0.344	0.360	0.450	0.656	0.683	0.560
		Right Cheek	0.125	0.376	0.235	0.369	0.069	0.233	0.227	0.501	0.593	0.494	0.421
		Right Tilt	0.060	0.367	0.229	0.406	0.074	0.229	0.205	0.427	0.518	0.466	0.339
LTE B2	Ant.5	Left Cheek	0.180	0.456	0.284	0.735	0.138	0.451	0.451	0.636	0.915	0.915	0.769
		Left Tilt	0.041	0.368	0.230	0.601	0.118	0.344	0.360	0.409	0.615	0.642	0.519
		Right Cheek	0.324	0.376	0.235	0.369	0.069	0.233	0.227	0.700	0.792	0.693	0.620
		Right Tilt	0.066	0.367	0.229	0.406	0.074	0.229	0.205	0.433	0.524	0.472	0.345
LTE B4	Ant.3	Left Cheek	0.295	0.456	0.284	0.735	0.138	0.451	0.451	0.751	1.030	1.030	0.884

		Left Tilt	0.362	0.368	0.230	0.601	0.118	0.344	0.360	0.730	0.936	0.963	0.840
		Right Cheek	0.482	0.376	0.235	0.369	0.069	0.233	0.227	0.858	0.950	0.851	0.778
		Right Tilt	0.458	0.367	0.229	0.406	0.074	0.229	0.205	0.825	0.916	0.864	0.737
LTE B4	Ant.4	Left Cheek	0.110	0.456	0.284	0.735	0.138	0.451	0.451	0.566	0.845	0.845	0.699
		Left Tilt	0.069	0.368	0.230	0.601	0.118	0.344	0.360	0.437	0.643	0.670	0.547
		Right Cheek	0.128	0.376	0.235	0.369	0.069	0.233	0.227	0.504	0.596	0.497	0.424
		Right Tilt	0.054	0.367	0.229	0.406	0.074	0.229	0.205	0.421	0.512	0.460	0.333
LTE B4	Ant.5	Left Cheek	0.276	0.456	0.284	0.735	0.138	0.451	0.451	0.732	1.011	1.011	0.865
		Left Tilt	0.060	0.368	0.230	0.601	0.118	0.344	0.360	0.428	0.634	0.661	0.538
		Right Cheek	0.437	0.376	0.235	0.369	0.069	0.233	0.227	0.813	0.905	0.806	0.733
		Right Tilt	0.083	0.367	0.229	0.406	0.074	0.229	0.205	0.450	0.541	0.489	0.362
LTE B5	Ant.0	Left Cheek	0.161	0.456	0.284	0.735	0.138	0.451	0.451	0.617	0.896	0.896	0.750
		Left Tilt	0.075	0.368	0.230	0.601	0.118	0.344	0.360	0.443	0.649	0.676	0.553
		Right Cheek	0.161	0.376	0.235	0.369	0.069	0.233	0.227	0.537	0.629	0.530	0.457
		Right Tilt	0.093	0.367	0.229	0.406	0.074	0.229	0.205	0.460	0.551	0.499	0.372
LTE B5	Ant.1	Left Cheek	0.094	0.456	0.284	0.735	0.138	0.451	0.451	0.550	0.829	0.829	0.683
		Left Tilt	0.092	0.368	0.230	0.601	0.118	0.344	0.360	0.460	0.666	0.693	0.570
		Right Cheek	0.232	0.376	0.235	0.369	0.069	0.233	0.227	0.608	0.700	0.601	0.528
		Right Tilt	0.194	0.367	0.229	0.406	0.074	0.229	0.205	0.561	0.652	0.600	0.473
LTE B7	Ant.3	Left Cheek	0.243	0.456	0.284	0.735	0.138	0.451	0.451	0.699	0.978	0.978	0.832
		Left Tilt	0.319	0.368	0.230	0.601	0.118	0.344	0.360	0.687	0.893	0.920	0.797
		Right Cheek	0.503	0.376	0.235	0.369	0.069	0.233	0.227	0.879	0.971	0.872	0.799
		Right Tilt	0.434	0.367	0.229	0.406	0.074	0.229	0.205	0.801	0.892	0.840	0.713
LTE B7	Ant.4	Left Cheek	0.304	0.456	0.284	0.735	0.138	0.451	0.451	0.760	1.039	1.039	0.893
		Left Tilt	0.107	0.368	0.230	0.601	0.118	0.344	0.360	0.475	0.681	0.708	0.585
		Right Cheek	0.188	0.376	0.235	0.369	0.069	0.233	0.227	0.564	0.656	0.557	0.484
		Right Tilt	0.145	0.367	0.229	0.406	0.074	0.229	0.205	0.512	0.603	0.551	0.424
LTE B7	Ant.5	Left Cheek	0.288	0.456	0.284	0.735	0.138	0.451	0.451	0.744	1.023	1.023	0.877
		Left Tilt	0.060	0.368	0.230	0.601	0.118	0.344	0.360	0.428	0.634	0.661	0.538
		Right Cheek	0.395	0.376	0.235	0.369	0.069	0.233	0.227	0.771	0.863	0.764	0.691
		Right Tilt	0.121	0.367	0.229	0.406	0.074	0.229	0.205	0.488	0.579	0.527	0.400
LTE B12	Ant.0	Left Cheek	0.032	0.456	0.284	0.735	0.138	0.451	0.451	0.488	0.767	0.767	0.621
		Left Tilt	0.018	0.368	0.230	0.601	0.118	0.344	0.360	0.386	0.592	0.619	0.496
		Right Cheek	0.036	0.376	0.235	0.369	0.069	0.233	0.227	0.412	0.504	0.405	0.332
		Right Tilt	0.026	0.367	0.229	0.406	0.074	0.229	0.205	0.393	0.484	0.432	0.305
LTE B12	Ant.1	Left Cheek	0.070	0.456	0.284	0.735	0.138	0.451	0.451	0.526	0.805	0.805	0.659
		Left Tilt	0.068	0.368	0.230	0.601	0.118	0.344	0.360	0.436	0.642	0.669	0.546

		Right Cheek	0.236	0.376	0.235	0.369	0.069	0.233	0.227	0.612	0.704	0.605	0.532
		Right Tilt	0.182	0.367	0.229	0.406	0.074	0.229	0.205	0.549	0.640	0.588	0.461
LTE B13	Ant.0	Left Cheek	0.027	0.456	0.284	0.735	0.138	0.451	0.451	0.483	0.762	0.762	0.616
		Left Tilt	0.016	0.368	0.230	0.601	0.118	0.344	0.360	0.384	0.590	0.617	0.494
		Right Cheek	0.033	0.376	0.235	0.369	0.069	0.233	0.227	0.409	0.501	0.402	0.329
		Right Tilt	0.024	0.367	0.229	0.406	0.074	0.229	0.205	0.391	0.482	0.430	0.303
LTE B13	Ant.1	Left Cheek	0.036	0.456	0.284	0.735	0.138	0.451	0.451	0.492	0.771	0.771	0.625
		Left Tilt	0.021	0.368	0.230	0.601	0.118	0.344	0.360	0.389	0.595	0.622	0.499
		Right Cheek	0.043	0.376	0.235	0.369	0.069	0.233	0.227	0.419	0.511	0.412	0.339
		Right Tilt	0.023	0.367	0.229	0.406	0.074	0.229	0.205	0.390	0.481	0.429	0.302
LTE B26	Ant.0	Left Cheek	0.148	0.456	0.284	0.735	0.138	0.451	0.451	0.604	0.883	0.883	0.737
		Left Tilt	0.070	0.368	0.230	0.601	0.118	0.344	0.360	0.438	0.644	0.671	0.548
		Right Cheek	0.149	0.376	0.235	0.369	0.069	0.233	0.227	0.525	0.617	0.518	0.445
		Right Tilt	0.092	0.367	0.229	0.406	0.074	0.229	0.205	0.459	0.550	0.498	0.371
LTE B26	Ant.1	Left Cheek	0.090	0.456	0.284	0.735	0.138	0.451	0.451	0.546	0.825	0.825	0.679
		Left Tilt	0.092	0.368	0.230	0.601	0.118	0.344	0.360	0.460	0.666	0.693	0.570
		Right Cheek	0.225	0.376	0.235	0.369	0.069	0.233	0.227	0.601	0.693	0.594	0.521
		Right Tilt	0.187	0.367	0.229	0.406	0.074	0.229	0.205	0.554	0.645	0.593	0.466
LTE B38	Ant.3	Left Cheek	0.263	0.456	0.284	0.735	0.138	0.451	0.451	0.719	0.998	0.998	0.852
		Left Tilt	0.293	0.368	0.230	0.601	0.118	0.344	0.360	0.661	0.867	0.894	0.771
		Right Cheek	0.481	0.376	0.235	0.369	0.069	0.233	0.227	0.857	0.949	0.850	0.777
		Right Tilt	0.534	0.367	0.229	0.406	0.074	0.229	0.205	0.901	0.992	0.940	0.813
LTE B38	Ant.4	Left Cheek	0.149	0.456	0.284	0.735	0.138	0.451	0.451	0.605	0.884	0.884	0.738
		Left Tilt	0.059	0.368	0.230	0.601	0.118	0.344	0.360	0.427	0.633	0.660	0.537
		Right Cheek	0.090	0.376	0.235	0.369	0.069	0.233	0.227	0.466	0.558	0.459	0.386
		Right Tilt	0.077	0.367	0.229	0.406	0.074	0.229	0.205	0.444	0.535	0.483	0.356
LTE B38	Ant.5	Left Cheek	0.266	0.456	0.284	0.735	0.138	0.451	0.451	0.722	1.001	1.001	0.855
		Left Tilt	0.059	0.368	0.230	0.601	0.118	0.344	0.360	0.427	0.633	0.660	0.537
		Right Cheek	0.432	0.376	0.235	0.369	0.069	0.233	0.227	0.808	0.900	0.801	0.728
		Right Tilt	0.100	0.367	0.229	0.406	0.074	0.229	0.205	0.467	0.558	0.506	0.379
LTE B41	Ant.3	Left Cheek	0.323	0.456	0.284	0.735	0.138	0.451	0.451	0.779	1.058	1.058	0.912
		Left Tilt	0.396	0.368	0.230	0.601	0.118	0.344	0.360	0.764	0.970	0.997	0.874
		Right Cheek	0.670	0.376	0.235	0.369	0.069	0.233	0.227	1.046	1.138	1.039	0.966
		Right Tilt	0.733	0.367	0.229	0.406	0.074	0.229	0.205	1.100	1.191	1.139	1.012
LTE B41	Ant.4	Left Cheek	0.161	0.456	0.284	0.735	0.138	0.451	0.451	0.617	0.896	0.896	0.750
		Left Tilt	0.061	0.368	0.230	0.601	0.118	0.344	0.360	0.429	0.635	0.662	0.539
		Right Cheek	0.097	0.376	0.235	0.369	0.069	0.233	0.227	0.473	0.565	0.466	0.393

		Right Tilt	0.082	0.367	0.229	0.406	0.074	0.229	0.205	0.449	0.540	0.488	0.361
LTE B41	Ant.5	Left Cheek	0.392	0.456	0.284	0.735	0.138	0.451	0.451	0.848	1.127	1.127	0.981
		Left Tilt	0.100	0.368	0.230	0.601	0.118	0.344	0.360	0.468	0.674	0.701	0.578
		Right Cheek	0.617	0.376	0.235	0.369	0.069	0.233	0.227	0.993	1.085	0.986	0.913
		Right Tilt	0.181	0.367	0.229	0.406	0.074	0.229	0.205	0.548	0.639	0.587	0.460
LTE B66	Ant.3	Left Cheek	0.224	0.456	0.284	0.735	0.138	0.451	0.451	0.680	0.959	0.959	0.813
		Left Tilt	0.286	0.368	0.230	0.601	0.118	0.344	0.360	0.654	0.860	0.887	0.764
		Right Cheek	0.411	0.376	0.235	0.369	0.069	0.233	0.227	0.787	0.879	0.780	0.707
		Right Tilt	0.389	0.367	0.229	0.406	0.074	0.229	0.205	0.756	0.847	0.795	0.668
LTE B66	Ant.4	Left Cheek	0.130	0.456	0.284	0.735	0.138	0.451	0.451	0.586	0.865	0.865	0.719
		Left Tilt	0.083	0.368	0.230	0.601	0.118	0.344	0.360	0.451	0.657	0.684	0.561
		Right Cheek	0.143	0.376	0.235	0.369	0.069	0.233	0.227	0.519	0.611	0.512	0.439
		Right Tilt	0.077	0.367	0.229	0.406	0.074	0.229	0.205	0.444	0.535	0.483	0.356
LTE B66	Ant.5	Left Cheek	0.259	0.456	0.284	0.735	0.138	0.451	0.451	0.715	0.994	0.994	0.848
		Left Tilt	0.072	0.368	0.230	0.601	0.118	0.344	0.360	0.440	0.646	0.673	0.550
		Right Cheek	0.370	0.376	0.235	0.369	0.069	0.233	0.227	0.746	0.838	0.739	0.666
		Right Tilt	0.085	0.367	0.229	0.406	0.074	0.229	0.205	0.452	0.543	0.491	0.364
N5	Ant.0	Left Cheek	0.105	0.456	0.284	0.735	0.138	0.451	0.451	0.561	0.840	0.840	0.694
		Left Tilt	0.073	0.368	0.230	0.601	0.118	0.344	0.360	0.441	0.647	0.674	0.551
		Right Cheek	0.137	0.376	0.235	0.369	0.069	0.233	0.227	0.513	0.605	0.506	0.433
		Right Tilt	0.095	0.367	0.229	0.406	0.074	0.229	0.205	0.462	0.553	0.501	0.374
N5	Ant.1	Left Cheek	0.122	0.456	0.284	0.735	0.138	0.451	0.451	0.578	0.857	0.857	0.711
		Left Tilt	0.111	0.368	0.230	0.601	0.118	0.344	0.360	0.479	0.685	0.712	0.589
		Right Cheek	0.239	0.376	0.235	0.369	0.069	0.233	0.227	0.615	0.707	0.608	0.535
		Right Tilt	0.202	0.367	0.229	0.406	0.074	0.229	0.205	0.569	0.660	0.608	0.481
N7	Ant.3	Left Cheek	0.195	0.456	0.284	0.735	0.138	0.451	0.451	0.651	0.930	0.930	0.784
		Left Tilt	0.283	0.368	0.230	0.601	0.118	0.344	0.360	0.651	0.857	0.884	0.761
		Right Cheek	0.439	0.376	0.235	0.369	0.069	0.233	0.227	0.815	0.907	0.808	0.735
		Right Tilt	0.440	0.367	0.229	0.406	0.074	0.229	0.205	0.807	0.898	0.846	0.719
N7	Ant.4	Left Cheek	0.406	0.456	0.284	0.735	0.138	0.451	0.451	0.862	1.141	1.141	0.995
		Left Tilt	0.098	0.368	0.230	0.601	0.118	0.344	0.360	0.466	0.672	0.699	0.576
		Right Cheek	0.230	0.376	0.235	0.369	0.069	0.233	0.227	0.606	0.698	0.599	0.526
		Right Tilt	0.183	0.367	0.229	0.406	0.074	0.229	0.205	0.550	0.641	0.589	0.462
N7	Ant.5	Left Cheek	0.371	0.456	0.284	0.735	0.138	0.451	0.451	0.827	1.106	1.106	0.960
		Left Tilt	0.093	0.368	0.230	0.601	0.118	0.344	0.360	0.461	0.667	0.694	0.571
		Right Cheek	0.476	0.376	0.235	0.369	0.069	0.233	0.227	0.852	0.944	0.845	0.772
		Right Tilt	0.151	0.367	0.229	0.406	0.074	0.229	0.205	0.518	0.609	0.557	0.430

N38	Ant.3	Left Cheek	0.158	0.456	0.284	0.735	0.138	0.451	0.451	0.614	0.893	0.893	0.747
		Left Tilt	0.180	0.368	0.230	0.601	0.118	0.344	0.360	0.548	0.754	0.781	0.658
		Right Cheek	0.337	0.376	0.235	0.369	0.069	0.233	0.227	0.713	0.805	0.706	0.633
		Right Tilt	0.287	0.367	0.229	0.406	0.074	0.229	0.205	0.654	0.745	0.693	0.566
N38	Ant.4	Left Cheek	0.318	0.456	0.284	0.735	0.138	0.451	0.451	0.774	1.053	1.053	0.907
		Left Tilt	0.330	0.368	0.230	0.601	0.118	0.344	0.360	0.698	0.904	0.931	0.808
		Right Cheek	0.186	0.376	0.235	0.369	0.069	0.233	0.227	0.562	0.654	0.555	0.482
		Right Tilt	0.186	0.367	0.229	0.406	0.074	0.229	0.205	0.553	0.644	0.592	0.465
N38	Ant.5	Left Cheek	0.249	0.456	0.284	0.735	0.138	0.451	0.451	0.705	0.984	0.984	0.838
		Left Tilt	0.047	0.368	0.230	0.601	0.118	0.344	0.360	0.415	0.621	0.648	0.525
		Right Cheek	0.343	0.376	0.235	0.369	0.069	0.233	0.227	0.719	0.811	0.712	0.639
		Right Tilt	0.081	0.367	0.229	0.406	0.074	0.229	0.205	0.448	0.539	0.487	0.360
N41	Ant.3	Left Cheek	0.214	0.456	0.284	0.735	0.138	0.451	0.451	0.670	0.949	0.949	0.803
		Left Tilt	0.222	0.368	0.230	0.601	0.118	0.344	0.360	0.590	0.796	0.823	0.700
		Right Cheek	0.379	0.376	0.235	0.369	0.069	0.233	0.227	0.755	0.847	0.748	0.675
		Right Tilt	0.406	0.367	0.229	0.406	0.074	0.229	0.205	0.773	0.864	0.812	0.685
N41	Ant.4	Left Cheek	0.257	0.456	0.284	0.735	0.138	0.451	0.451	0.713	0.992	0.992	0.846
		Left Tilt	0.071	0.368	0.230	0.601	0.118	0.344	0.360	0.439	0.645	0.672	0.549
		Right Cheek	0.141	0.376	0.235	0.369	0.069	0.233	0.227	0.517	0.609	0.510	0.437
		Right Tilt	0.146	0.367	0.229	0.406	0.074	0.229	0.205	0.513	0.604	0.552	0.425
N41	Ant.5	Left Cheek	0.148	0.456	0.284	0.735	0.138	0.451	0.451	0.604	0.883	0.883	0.737
		Left Tilt	0.029	0.368	0.230	0.601	0.118	0.344	0.360	0.397	0.603	0.630	0.507
		Right Cheek	0.207	0.376	0.235	0.369	0.069	0.233	0.227	0.583	0.675	0.576	0.503
		Right Tilt	0.063	0.367	0.229	0.406	0.074	0.229	0.205	0.430	0.521	0.469	0.342
N66	Ant.3	Left Cheek	0.310	0.456	0.284	0.735	0.138	0.451	0.451	0.766	1.045	1.045	0.899
		Left Tilt	0.372	0.368	0.230	0.601	0.118	0.344	0.360	0.740	0.946	0.973	0.850
		Right Cheek	0.550	0.376	0.235	0.369	0.069	0.233	0.227	0.926	1.018	0.919	0.846
		Right Tilt	0.530	0.367	0.229	0.406	0.074	0.229	0.205	0.897	0.988	0.936	0.809
N66	Ant.4	Left Cheek	0.231	0.456	0.284	0.735	0.138	0.451	0.451	0.687	0.966	0.966	0.820
		Left Tilt	0.080	0.368	0.230	0.601	0.118	0.344	0.360	0.448	0.654	0.681	0.558
		Right Cheek	0.150	0.376	0.235	0.369	0.069	0.233	0.227	0.526	0.618	0.519	0.446
		Right Tilt	0.081	0.367	0.229	0.406	0.074	0.229	0.205	0.448	0.539	0.487	0.360
N66	Ant.5	Left Cheek	0.215	0.456	0.284	0.735	0.138	0.451	0.451	0.671	0.950	0.950	0.804
		Left Tilt	0.092	0.368	0.230	0.601	0.118	0.344	0.360	0.460	0.666	0.693	0.570
		Right Cheek	0.310	0.376	0.235	0.369	0.069	0.233	0.227	0.686	0.778	0.679	0.606
		Right Tilt	0.072	0.367	0.229	0.406	0.074	0.229	0.205	0.439	0.530	0.478	0.351

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

13.2.2 Head Simultaneous Transmission SAR Evaluation for ENDC Antenna

ENDC	NR Band	NR Antenna	NR SA(STATE2)	Tune up (NR SA)	Tune up (NR NSA)	LTE Band	LTE Antenna	WWAN(STATE2)	Tune up (LTE SA)	Tune up (LTE ENDC)	Position	Stand alone SAR		
												1	2	3
												Calculated ENDC NR	Calculated ENDC LTE	ENDC(LTE+NR)
DC_7A+n5A	N5	Ant.1	0.122	24.70	24.70	LTE B7	Ant.4	0.304	24.30	23.80	Left Cheek	0.122	0.271	0.393
			0.111	24.70	24.70			0.107	24.30	23.80	Left Tilt	0.111	0.095	0.206
			0.239	24.70	24.70			0.188	24.30	23.80	Right Cheek	0.239	0.168	0.407
			0.202	24.70	24.70			0.145	24.30	23.80	Right Tilt	0.202	0.129	0.331
		Ant.0	0.105	24.20	24.20		Ant.3	0.409	16.80	14.30	Left Cheek	0.105	0.230	0.335
			0.073	24.20	24.20			0.537	16.80	14.30	Left Tilt	0.073	0.302	0.375
			0.137	24.20	24.20			0.769	16.80	14.30	Right Cheek	0.137	0.432	0.569
			0.095	24.20	24.20			0.709	16.80	14.30	Right Tilt	0.095	0.399	0.494
DC_66A+n5A	N5	Ant.1	0.122	24.70	24.70	LTE B66	Ant.4	0.130	24.80	23.80	Left Cheek	0.122	0.103	0.225
			0.111	24.70	24.70			0.083	24.80	23.80	Left Tilt	0.111	0.066	0.177
			0.239	24.70	24.70			0.143	24.80	23.80	Right Cheek	0.239	0.114	0.353
			0.202	24.70	24.70			0.077	24.80	23.80	Right Tilt	0.202	0.061	0.263
		Ant.0	0.105	24.20	24.20		Ant.3	0.359	17.80	14.80	Left Cheek	0.105	0.180	0.285
			0.073	24.20	24.20			0.448	17.80	14.80	Left Tilt	0.073	0.225	0.298
			0.137	24.20	24.20			0.687	17.80	14.80	Right Cheek	0.137	0.344	0.481
			0.095	24.20	24.20			0.676	17.80	14.80	Right Tilt	0.095	0.339	0.434
DC_2A+n7A	N7	Ant.4	0.406	24.20	24.20	LTE B2	Ant.5	0.268	18.30	18.30	Left Cheek	0.406	0.268	0.674
			0.098	24.20	24.20			0.060	18.30	18.30	Left Tilt	0.098	0.060	0.158
			0.230	24.20	24.20			0.446	18.30	18.30	Right Cheek	0.230	0.446	0.676
			0.183	24.20	24.20			0.089	18.30	18.30	Right Tilt	0.183	0.089	0.272
		Ant.3	0.292	17.70	15.70		Ant.3	0.388	18.80	16.30	Left Cheek	0.184	0.218	0.402
			0.446	17.70	15.70			0.453	18.80	16.30	Left Tilt	0.281	0.255	0.536
			0.677	17.70	15.70			0.819	18.80	16.30	Right Cheek	0.427	0.461	0.888
			0.668	17.70	15.70			0.693	18.80	16.30	Right Tilt	0.421	0.390	0.811
		Ant.5	0.574	19.50	17.50		Ant.4	0.113	24.30	24.30	Left Cheek	0.362	0.113	0.475
			0.135	19.50	17.50			0.082	24.30	24.30	Left Tilt	0.085	0.082	0.167
			0.790	19.50	17.50			0.125	24.30	24.30	Right Cheek	0.498	0.125	0.623
			0.224	19.50	17.50			0.060	24.30	24.30	Right Tilt	0.141	0.060	0.201
DC_66A+n7A	N7	Ant.4	0.406	24.20	24.20	LTE B66	Ant.5	0.398	21.80	19.80	Left Cheek	0.406	0.251	0.657
			0.098	24.20	24.20			0.101	21.80	19.80	Left Tilt	0.098	0.064	0.162

			0.230	24.20	24.20			0.616	21.80	19.80	Right Cheek	0.230	0.389	0.619			
			0.183	24.20	24.20			0.136	21.80	19.80	Right Tilt	0.183	0.086	0.269			
		Ant.3	0.292	17.70	15.70		Ant.3	0.359	17.80	14.80	Left Cheek	0.184	0.180	0.364			
			0.446	17.70	15.70			0.448	17.80	14.80	Left Tilt	0.281	0.225	0.506			
			0.677	17.70	15.70			0.687	17.80	14.80	Right Cheek	0.427	0.344	0.771			
			0.668	17.70	15.70			0.676	17.80	14.80	Right Tilt	0.421	0.339	0.760			
		Ant.5	0.574	19.50	17.50		Ant.4	0.130	24.80	23.80	Left Cheek	0.362	0.103	0.465			
			0.135	19.50	17.50			0.083	24.80	23.80	Left Tilt	0.085	0.066	0.151			
			0.790	19.50	17.50			0.143	24.80	23.80	Right Cheek	0.498	0.114	0.612			
			0.224	19.50	17.50			0.077	24.80	23.80	Right Tilt	0.141	0.061	0.202			
		DC_5A+n7A	N7	Ant.4	0.406		24.20	24.20	LTE B5	Ant.1	0.094	24.80	24.50	Left Cheek	0.406	0.088	0.494
					0.098		24.20	24.20			0.092	24.80	24.50	Left Tilt	0.098	0.086	0.184
					0.230		24.20	24.20			0.232	24.80	24.50	Right Cheek	0.230	0.217	0.447
					0.183		24.20	24.20			0.194	24.80	24.50	Right Tilt	0.183	0.181	0.364
				Ant.3	0.292		17.70	15.70		Ant.0	0.166	24.50	24.50	Left Cheek	0.184	0.166	0.350
					0.446		17.70	15.70			0.078	24.50	24.50	Left Tilt	0.281	0.078	0.359
0.677	17.70				15.70	0.161	24.50	24.50			Right Cheek	0.427	0.161	0.588			
0.668	17.70				15.70	0.094	24.50	24.50			Right Tilt	0.421	0.094	0.515			
DC_66A+n38A	N38	Ant.4	0.318	24.20	24.20	LTE B66	Ant.5	0.676	21.80	20.50	Left Cheek	0.318	0.501	0.819			
			0.330	24.20	24.20			0.398	21.80	20.50	Left Tilt	0.330	0.295	0.625			
			0.186	24.20	24.20			0.101	21.80	20.50	Right Cheek	0.186	0.075	0.261			
			0.186	24.20	24.20			0.616	21.80	20.50	Right Tilt	0.186	0.457	0.643			
		Ant.3	0.242	15.20	13.20		Ant.3	0.136	17.80	15.50	Left Cheek	0.153	0.080	0.233			
			0.303	15.20	13.20			0.359	17.80	15.50	Left Tilt	0.191	0.211	0.403			
			0.513	15.20	13.20			0.448	17.80	15.50	Right Cheek	0.324	0.264	0.587			
			0.472	15.20	13.20			0.687	17.80	15.50	Right Tilt	0.298	0.405	0.702			
		Ant.5	0.412	18.90	16.90		Ant.4	0.676	24.80	24.50	Left Cheek	0.260	0.631	0.891			
			0.082	18.90	16.90			0.130	24.80	24.50	Left Tilt	0.052	0.121	0.173			
			0.573	18.90	16.90			0.083	24.80	24.50	Right Cheek	0.362	0.077	0.439			
			0.135	18.90	16.90			0.143	24.80	24.50	Right Tilt	0.085	0.133	0.219			
		DC_26A+n41A	N41	Ant.4	0.257		26.20	24.20	LTE B26	Ant.1	0.077	24.80	23.80	Left Cheek	0.162	0.061	0.223
					0.071		26.20	24.20			0.092	24.80	23.80	Left Tilt	0.045	0.073	0.118
					0.141		26.20	24.20			0.225	24.80	23.80	Right Cheek	0.089	0.179	0.268
					0.146		26.20	24.20			0.187	24.80	23.80	Right Tilt	0.092	0.149	0.241
Ant.3	0.328			16.50	12.70	Ant.0	0.148	24.30		23.30	Left Cheek	0.137	0.118	0.254			
	0.340			16.50	12.70		0.070	24.30		23.30	Left Tilt	0.142	0.056	0.197			
	0.589			16.50	12.70		0.149	24.30		23.30	Right Cheek	0.246	0.118	0.364			

			0.636	16.50	12.70			0.092	24.30	23.30	Right Tilt	0.265	0.073	0.338		
DC_66A+n41A	N41	Ant.4	0.257	26.20	24.20	LTE B66	Ant.5	0.676	21.80	19.80	Left Cheek	0.162	0.427	0.589		
			0.071	26.20	24.20			0.398	21.80	19.80	Left Tilt	0.045	0.251	0.296		
			0.141	26.20	24.20			0.101	21.80	19.80	Right Cheek	0.089	0.064	0.153		
			0.146	26.20	24.20			0.616	21.80	19.80	Right Tilt	0.092	0.389	0.481		
		Ant.3	0.328	16.50	12.70		0.136	17.80	14.80	Left Cheek	0.137	0.068	0.205			
			0.340	16.50	12.70		0.359	17.80	14.80	Left Tilt	0.142	0.180	0.322			
			0.589	16.50	12.70		0.448	17.80	14.80	Right Cheek	0.246	0.225	0.470			
			0.636	16.50	12.70		0.687	17.80	14.80	Right Tilt	0.265	0.344	0.609			
	Ant.5	0.221	20.30	17.70	0.676		24.80	23.80	Left Cheek	0.121	0.537	0.658				
		0.050	20.30	17.70	0.130		24.80	23.80	Left Tilt	0.027	0.103	0.131				
		0.334	20.30	17.70	0.083		24.80	23.80	Right Cheek	0.184	0.066	0.249				
		0.088	20.30	17.70	0.143		24.80	23.80	Right Tilt	0.048	0.114	0.162				
	DC_2A+n66A	N66	Ant.4	0.231	25.20		25.20	LTE B2	Ant.5	0.268	18.30	18.30	Left Cheek	0.231	0.268	0.499
				0.080	25.20		25.20			0.060	18.30	18.30	Left Tilt	0.080	0.060	0.140
				0.150	25.20		25.20			0.446	18.30	18.30	Right Cheek	0.150	0.446	0.596
				0.081	25.20		25.20			0.089	18.30	18.30	Right Tilt	0.081	0.089	0.170
Ant.3			0.471	18.70	16.70	0.388	18.80		16.30	Left Cheek	0.297	0.218	0.515			
			0.590	18.70	16.70	0.453	18.80		16.30	Left Tilt	0.372	0.255	0.627			
			0.864	18.70	16.70	0.819	18.80		16.30	Right Cheek	0.545	0.461	1.006			
			0.834	18.70	16.70	0.693	18.80		16.30	Right Tilt	0.526	0.390	0.916			
Ant.5		0.316	22.80	20.80	0.113	24.30	23.80		Left Cheek	0.199	0.101	0.300				
		0.084	22.80	20.80	0.082	24.30	23.80		Left Tilt	0.053	0.073	0.126				
		0.519	22.80	20.80	0.125	24.30	23.80		Right Cheek	0.327	0.111	0.439				
		0.122	22.80	20.80	0.060	24.30	23.80		Right Tilt	0.077	0.053	0.130				
DC_7A+n66A		N66	Ant.4	0.231	25.20	25.20	LTE B7		Ant.5	0.435	18.80	17.30	Left Cheek	0.231	0.308	0.539
				0.080	25.20	25.20				0.101	18.80	17.30	Left Tilt	0.080	0.072	0.152
				0.150	25.20	25.20				0.653	18.80	17.30	Right Cheek	0.150	0.462	0.612
				0.081	25.20	25.20				0.186	18.80	17.30	Right Tilt	0.081	0.132	0.213
	Ant.3		0.471	18.70	16.70	0.409		16.80	14.30	Left Cheek	0.297	0.230	0.527			
			0.590	18.70	16.70	0.537		16.80	14.30	Left Tilt	0.372	0.302	0.674			
			0.864	18.70	16.70	0.769		16.80	14.30	Right Cheek	0.545	0.432	0.978			
			0.834	18.70	16.70	0.709		16.80	14.30	Right Tilt	0.526	0.399	0.925			
	Ant.5	0.316	22.80	20.80	0.304	24.30		23.80	Left Cheek	0.199	0.271	0.470				
		0.084	22.80	20.80	0.107	24.30		23.80	Left Tilt	0.053	0.095	0.148				
		0.519	22.80	20.80	0.188	24.30		23.80	Right Cheek	0.327	0.168	0.495				
		0.122	22.80	20.80	0.145	24.30		23.80	Right Tilt	0.077	0.129	0.206				

DC_5A+n66A	N66	Ant.4	0.231	25.20	25.20	LTE B5	Ant.1	0.094	24.80	24.50	Left Cheek	0.231	0.088	0.319
			0.080	25.20	25.20			0.092	24.80	24.50	Left Tilt	0.080	0.086	0.166
			0.150	25.20	25.20			0.232	24.80	24.50	Right Cheek	0.150	0.217	0.367
			0.081	25.20	25.20			0.194	24.80	24.50	Right Tilt	0.081	0.181	0.262
		Ant.3	0.471	18.70	16.70		Ant.0	0.166	24.50	24.00	Left Cheek	0.297	0.148	0.445
			0.590	18.70	16.70			0.078	24.50	24.00	Left Tilt	0.372	0.070	0.442
			0.864	18.70	16.70			0.161	24.50	24.00	Right Cheek	0.545	0.143	0.689
			0.834	18.70	16.70			0.094	24.50	24.00	Right Tilt	0.526	0.084	0.610
DC_12A+n66A	N66	Ant.4	0.231	25.20	25.20	LTE B12	Ant.1	0.080	23.80	23.30	Left Cheek	0.231	0.071	0.302
			0.080	25.20	25.20			0.075	23.80	23.30	Left Tilt	0.080	0.067	0.147
			0.150	25.20	25.20			0.252	23.80	23.30	Right Cheek	0.150	0.225	0.375
			0.081	25.20	25.20			0.201	23.80	23.30	Right Tilt	0.081	0.179	0.260
		Ant.3	0.471	18.70	16.70		Ant.0	0.032	23.30	23.30	Left Cheek	0.297	0.032	0.329
			0.590	18.70	16.70			0.018	23.30	23.30	Left Tilt	0.372	0.018	0.390
			0.864	18.70	16.70			0.036	23.30	23.30	Right Cheek	0.545	0.036	0.581
			0.834	18.70	16.70			0.026	23.30	23.30	Right Tilt	0.526	0.026	0.552

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

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

ENDC	NR Band	NR Antenna	NR SA(STAT E4)	Tune up (NR SA)	Tune up (NR NSA)	LTE Band	LTE Antenna	WWAN(S TATE4)	Tune up (LTE SA)	Tune up (LTE ENDC)	Position	Stand alone SAR							SUM SAR			
												1	2	3	4	5	6	7	WWAN+W IF2.4G 1+2	WWAN+W IF2.4G+ WIFISG 1+3+6	WWAN+W IFISG 1+4	WWAN+W IFISG+BT 1+5+7
												ENDC(LT E+NR)	MAX. 2.4GWIFI	MAX. 2.4GWIFI	Max. 5GWIFI	Max. 5GWIFI	Max. 5GWIFI	BT				
												STATE4	Level4&5	LEVEL6	LEVEL4	LEVEL5	LEVEL6					
DC_7A+n SA	NS	Ant.1	0.122	24.70	22.20	LTE B7	Ant.4	0.304	24.30	23.30	Left Cheek	0.310	0.456	0.284	0.735	0.138	0.451	0.451	0.766	1.045	1.045	0.899
			0.111	24.70	22.20			0.107	24.30	23.30	Left Tilt	0.147	0.368	0.230	0.601	0.118	0.344	0.360	0.515	0.721	0.748	0.625
			0.239	24.70	22.20			0.188	24.30	23.30	Right Cheek	0.284	0.376	0.235	0.369	0.069	0.233	0.227	0.660	0.752	0.653	0.580
			0.202	24.70	22.20			0.145	24.30	23.30	Right Tilt	0.229	0.367	0.229	0.406	0.074	0.229	0.205	0.596	0.687	0.635	0.508
		0.105	24.20	24.20	Ant.0		0.243	14.80	11.30	Ant.3	Left Cheek	0.214	0.456	0.284	0.735	0.138	0.451	0.451	0.670	0.949	0.949	0.803
		0.073	24.20	24.20			0.319	14.80	11.30		Left Tilt	0.215	0.368	0.230	0.601	0.118	0.344	0.360	0.583	0.789	0.816	0.693
		0.137	24.20	24.20			0.503	14.80	11.30		Right Cheek	0.362	0.376	0.235	0.369	0.069	0.233	0.227	0.738	0.830	0.731	0.658
		0.095	24.20	24.20			0.434	14.80	11.30		Right Tilt	0.289	0.367	0.229	0.406	0.074	0.229	0.205	0.656	0.747	0.695	0.568
DC_86A+n nSA	NS	Ant.1	0.122	24.70	22.20	LTE B86	Ant.4	0.130	24.80	23.80	Left Cheek	0.172	0.456	0.284	0.735	0.138	0.451	0.451	0.628	0.907	0.907	0.761
			0.111	24.70	22.20			0.083	24.80	23.80	Left Tilt	0.128	0.368	0.230	0.601	0.118	0.344	0.360	0.496	0.702	0.729	0.606
			0.239	24.70	22.20			0.143	24.80	23.80	Right Cheek	0.248	0.376	0.235	0.369	0.069	0.233	0.227	0.624	0.716	0.617	0.544
			0.202	24.70	22.20			0.077	24.80	23.80	Right Tilt	0.175	0.367	0.229	0.406	0.074	0.229	0.205	0.542	0.633	0.581	0.454
		0.105	24.20	24.20	Ant.0		0.224	15.80	11.30	Ant.3	Left Cheek	0.184	0.456	0.284	0.735	0.138	0.451	0.451	0.640	0.919	0.919	0.773
		0.073	24.20	24.20			0.286	15.80	11.30		Left Tilt	0.174	0.368	0.230	0.601	0.118	0.344	0.360	0.542	0.748	0.775	0.652
		0.137	24.20	24.20			0.411	15.80	11.30		Right Cheek	0.283	0.376	0.235	0.369	0.069	0.233	0.227	0.659	0.751	0.652	0.579
		0.095	24.20	24.20			0.389	15.80	11.30		Right Tilt	0.233	0.367	0.229	0.406	0.074	0.229	0.205	0.600	0.691	0.639	0.512
DC_2A+n 7A	N7	Ant.4	0.406	24.20	24.20	LTE B2	Ant.5	0.268	18.30	16.30	Left Cheek	0.575	0.456	0.284	0.735	0.138	0.451	0.451	1.031	1.310	1.310	1.164
			0.098	24.20	24.20			0.060	18.30	16.30	Left Tilt	0.136	0.368	0.230	0.601	0.118	0.344	0.360	0.504	0.710	0.737	0.614
			0.230	24.20	24.20			0.446	18.30	16.30	Right Cheek	0.511	0.376	0.235	0.369	0.069	0.233	0.227	0.887	0.979	0.880	0.807

DC_66A+	n7A	N7	Ant.3	LTE 966	Ant.3	0.183	24.20	24.20	0.089	18.30	16.30	Right Tilt	0.239	0.367	0.229	0.406	0.074	0.229	0.205	0.606	0.697	0.645	0.518							
						0.195	15.70	12.70	0.245	18.80	13.30	Left Cheek	0.207	0.456	0.284	0.735	0.138	0.451	0.451	0.663	0.942	0.942	0.796							
						0.283	15.70	12.70	0.286	16.80	13.30	Left Tilt	0.270	0.368	0.230	0.601	0.118	0.344	0.360	0.638	0.844	0.871	0.748							
						0.439	15.70	12.70	0.519	18.80	13.30	Right Cheek	0.452	0.376	0.235	0.369	0.069	0.233	0.227	0.828	0.920	0.821	0.748							
						0.440	15.70	12.70	0.439	16.80	13.30	Right Tilt	0.417	0.367	0.229	0.406	0.074	0.229	0.205	0.784	0.875	0.823	0.696							
						0.574	17.50	14.50	0.113	24.30	23.80	Left Cheek	0.388	0.456	0.284	0.735	0.138	0.451	0.451	0.844	1.123	1.123	0.977							
						0.135	17.50	14.50	0.082	24.30	23.80	Left Tilt	0.141	0.368	0.230	0.601	0.118	0.344	0.360	0.509	0.715	0.742	0.619							
						0.790	17.50	14.50	0.125	24.30	23.80	Right Cheek	0.507	0.376	0.235	0.369	0.069	0.233	0.227	0.883	0.975	0.876	0.803							
	0.224	17.50	14.50	0.080	24.30	23.80	Right Tilt	0.166	0.367	0.229	0.406	0.074	0.229	0.205	0.533	0.624	0.572	0.445												
	DC_5A+	n7A	N7	Ant.4	LTE 966	Ant.5	0.406	24.20	24.20	0.259	19.80	16.80	Left Cheek	0.536	0.456	0.284	0.735	0.138	0.451	0.451	0.992	1.271	1.271	1.125						
							0.098	24.20	24.20	0.072	19.80	16.80	Left Tilt	0.134	0.368	0.230	0.601	0.118	0.344	0.360	0.502	0.708	0.735	0.612						
							0.230	24.20	24.20	0.370	19.80	16.80	Right Cheek	0.415	0.376	0.235	0.369	0.069	0.233	0.227	0.791	0.883	0.784	0.711						
							0.183	24.20	24.20	0.085	19.80	16.80	Right Tilt	0.228	0.367	0.229	0.406	0.074	0.229	0.205	0.593	0.684	0.632	0.505						
							0.195	15.70	12.70	0.224	15.80	11.30	Left Cheek	0.177	0.456	0.284	0.735	0.138	0.451	0.451	0.633	0.912	0.912	0.768						
							0.283	15.70	12.70	0.286	15.80	11.30	Left Tilt	0.243	0.368	0.230	0.601	0.118	0.344	0.360	0.611	0.817	0.844	0.721						
							0.439	15.70	12.70	0.411	15.80	11.30	Right Cheek	0.366	0.376	0.235	0.369	0.069	0.233	0.227	0.742	0.834	0.735	0.662						
0.440							15.70	12.70	0.389	15.80	11.30	Right Tilt	0.359	0.367	0.229	0.406	0.074	0.229	0.205	0.726	0.817	0.765	0.638							
DC_5A+		n7A	N7	Ant.5	LTE 966	Ant.4	0.574	17.50	14.50	0.130	24.80	23.80	Left Cheek	0.391	0.456	0.284	0.735	0.138	0.451	0.451	0.847	1.126	1.126	0.980						
							0.135	17.50	14.50	0.083	24.80	23.80	Left Tilt	0.134	0.368	0.230	0.601	0.118	0.344	0.360	0.502	0.708	0.735	0.612						
							0.790	17.50	14.50	0.143	24.80	23.80	Right Cheek	0.510	0.376	0.235	0.369	0.069	0.233	0.227	0.888	0.978	0.879	0.806						
							0.224	17.50	14.50	0.077	24.80	23.80	Right Tilt	0.173	0.367	0.229	0.406	0.074	0.229	0.205	0.540	0.631	0.579	0.452						
							DC_5A+	n7A	N7	Ant.4	LTE B5	Ant.1	0.406	24.20	24.20	0.094	24.80	22.00	Left Cheek	0.455	0.456	0.284	0.735	0.138	0.451	0.451	0.911	1.190	1.190	1.044
													0.098	24.20	24.20	0.092	24.80	22.00	Left Tilt	0.146	0.368	0.230	0.601	0.118	0.344	0.360	0.514	0.720	0.747	0.624
													0.230	24.20	24.20	0.232	24.80	22.00	Right Cheek	0.352	0.376	0.235	0.369	0.069	0.233	0.227	0.728	0.820	0.721	0.648
													0.183	24.20	24.20	0.194	24.80	22.00	Right Tilt	0.285	0.367	0.229	0.406	0.074	0.229	0.205	0.652	0.743	0.691	0.564

		Ant.3	0.195	15.70	12.70		Ant.0	0.166	24.50	24.50	Left Cheek	0.264	0.456	0.284	0.735	0.138	0.451	0.451	0.720	0.999	0.999	0.853		
			0.283	15.70	12.70			0.078	24.50	24.50	Left Tilt	0.220	0.368	0.230	0.601	0.118	0.344	0.360	0.588	0.794	0.821	0.698		
			0.439	15.70	12.70			0.161	24.50	24.50	Right Cheek	0.381	0.376	0.235	0.369	0.069	0.233	0.227	0.757	0.849	0.750	0.677		
			0.440	15.70	12.70			0.094	24.50	24.50	Right Tilt	0.315	0.367	0.229	0.406	0.074	0.229	0.205	0.682	0.773	0.721	0.594		
DC_66A+ n38A	N38	Ant.4	0.318	24.20	24.20	LTE B96	Ant.5	0.259	19.80	17.50	Left Cheek	0.471	0.456	0.284	0.735	0.138	0.451	0.451	0.927	1.206	1.206	1.060		
			0.330	24.20	24.20			0.072	19.80	17.50	Left Tilt	0.372	0.368	0.230	0.601	0.118	0.344	0.360	0.740	0.946	0.973	0.850		
			0.186	24.20	24.20			0.370	19.80	17.50	Right Cheek	0.404	0.376	0.235	0.369	0.069	0.233	0.227	0.780	0.872	0.773	0.700		
			0.186	24.20	24.20			0.085	19.80	17.50	Right Tilt	0.236	0.367	0.229	0.406	0.074	0.229	0.205	0.603	0.694	0.642	0.515		
		Ant.3	0.158	13.20	10.20		0.224	15.80	12.00	Left Cheek	0.173	0.456	0.284	0.735	0.138	0.451	0.451	0.629	0.908	0.908	0.762			
			0.180	13.20	10.20		0.286	15.80	12.00	Left Tilt	0.209	0.368	0.230	0.601	0.118	0.344	0.360	0.577	0.783	0.810	0.687			
			0.337	13.20	10.20		0.411	15.80	12.00	Right Cheek	0.340	0.376	0.235	0.369	0.069	0.233	0.227	0.716	0.808	0.709	0.636			
			0.287	13.20	10.20		0.389	15.80	12.00	Right Tilt	0.308	0.367	0.229	0.406	0.074	0.229	0.205	0.673	0.764	0.712	0.585			
	Ant.5	0.249	16.90	13.90	0.130		24.80	24.50	Left Cheek	0.246	0.456	0.284	0.735	0.138	0.451	0.451	0.702	0.981	0.981	0.835				
		0.047	16.90	13.90	0.083		24.80	24.50	Left Tilt	0.101	0.368	0.230	0.601	0.118	0.344	0.360	0.469	0.675	0.702	0.579				
		0.343	16.90	13.90	0.143		24.80	24.50	Right Cheek	0.305	0.376	0.235	0.369	0.069	0.233	0.227	0.681	0.773	0.674	0.601				
		0.081	16.90	13.90	0.077		24.80	24.50	Right Tilt	0.112	0.367	0.229	0.406	0.074	0.229	0.205	0.479	0.570	0.518	0.391				
	DC_26A+ n41A	N41	Ant.4	0.257	26.20		23.70	LTE B26	Ant.1	0.090	24.80	21.30	Left Cheek	0.185	0.456	0.284	0.735	0.138	0.451	0.451	0.841	0.920	0.920	0.774
				0.071	26.20		23.70			0.092	24.80	21.30	Left Tilt	0.081	0.368	0.230	0.601	0.118	0.344	0.360	0.449	0.655	0.682	0.559
				0.141	26.20		23.70			0.225	24.80	21.30	Right Cheek	0.180	0.376	0.235	0.369	0.069	0.233	0.227	0.556	0.648	0.549	0.476
				0.146	26.20		23.70			0.187	24.80	21.30	Right Tilt	0.166	0.367	0.229	0.406	0.074	0.229	0.205	0.533	0.624	0.572	0.445
Ant.3		0.214	14.50	9.70	0.148	24.30	23.30		Left Cheek	0.188	0.456	0.284	0.735	0.138	0.451	0.451	0.644	0.923	0.923	0.777				
		0.222	14.50	9.70	0.070	24.30	23.30		Left Tilt	0.129	0.368	0.230	0.601	0.118	0.344	0.360	0.497	0.703	0.730	0.607				
		0.379	14.50	9.70	0.149	24.30	23.30		Right Cheek	0.244	0.376	0.235	0.369	0.069	0.233	0.227	0.620	0.712	0.613	0.540				
		0.406	14.50	9.70	0.092	24.30	23.30		Right Tilt	0.208	0.367	0.229	0.406	0.074	0.229	0.205	0.575	0.666	0.614	0.487				
DC_66A+ n41A	N41	Ant.4	0.257	26.20	23.70	LTE B96	Ant.5	0.259	19.80	16.80	Left Cheek	0.274	0.456	0.284	0.735	0.138	0.451	0.451	0.730	1.009	1.009	0.863		

DC_2A+n 66A	N66	Ant.3	0.071	26.20	23.70	LTE B2	Ant.3	0.072	19.80	16.80	Left Tilt	0.076	0.368	0.230	0.601	0.118	0.344	0.360	0.444	0.650	0.677	0.554		
			0.141	26.20	23.70			Right Cheek	0.370	19.80	16.80	0.265	0.376	0.235	0.369	0.069	0.233	0.227	0.641	0.733	0.654	0.561		
			0.146	26.20	23.70				0.085	19.80	16.80	Right Tilt	0.125	0.367	0.229	0.406	0.074	0.229	0.205	0.492	0.583	0.531	0.404	
		Ant.3	0.214	14.50	9.70		Ant.3	0.224	15.80	11.30	Left Cheek	0.150	0.456	0.284	0.735	0.138	0.451	0.451	0.606	0.885	0.885	0.739		
			0.222	14.50	9.70			0.266	15.80	11.30	Left Tilt	0.175	0.368	0.230	0.601	0.118	0.344	0.360	0.543	0.749	0.776	0.653		
			0.379	14.50	9.70			Right Cheek	0.411	15.80	11.30	0.271	0.376	0.235	0.369	0.069	0.233	0.227	0.647	0.739	0.640	0.567		
			0.406	14.50	9.70				0.389	15.80	11.30	Right Tilt	0.272	0.367	0.229	0.406	0.074	0.229	0.205	0.639	0.730	0.678	0.551	
		Ant.5	0.148	18.30	14.70		Ant.4	0.130	24.80	23.80	Left Cheek	0.168	0.456	0.284	0.735	0.138	0.451	0.451	0.624	0.903	0.903	0.757		
	0.029		18.30	14.70	0.083			24.80	23.80	Left Tilt	0.079	0.368	0.230	0.601	0.118	0.344	0.360	0.447	0.653	0.680	0.557			
	0.207		18.30	14.70	Right Cheek			0.143	24.80	23.80	0.204	0.376	0.235	0.369	0.069	0.233	0.227	0.580	0.672	0.573	0.500			
	0.063		18.30	14.70				0.077	24.80	23.80	Right Tilt	0.089	0.367	0.229	0.406	0.074	0.229	0.205	0.456	0.547	0.495	0.368		
	DC_2A+n 66A	N66	Ant.4	0.231	25.20		25.20	LTE B2	Ant.5	0.268	18.30	16.30	Left Cheek	0.400	0.456	0.284	0.735	0.138	0.451	0.451	0.856	1.135	1.135	0.989
				0.080	25.20		25.20			0.060	18.30	16.30	Left Tilt	0.118	0.368	0.230	0.601	0.118	0.344	0.360	0.486	0.692	0.719	0.596
				0.150	25.20		25.20			Right Cheek	0.446	18.30	16.30	0.431	0.376	0.235	0.369	0.069	0.233	0.227	0.807	0.899	0.800	0.727
				0.081	25.20		25.20				0.089	18.30	16.30	Right Tilt	0.137	0.367	0.229	0.406	0.074	0.229	0.205	0.504	0.595	0.543
			Ant.3	0.310	16.70		13.70		Ant.3	0.245	16.80	13.30	Left Cheek	0.265	0.456	0.284	0.735	0.138	0.451	0.451	0.721	1.000	1.000	0.854
0.372				16.70	13.70	0.266	16.80			13.30	Left Tilt	0.314	0.368	0.230	0.601	0.118	0.344	0.360	0.682	0.888	0.915	0.792		
0.550				16.70	13.70	Right Cheek	0.519			16.80	13.30	0.507	0.376	0.235	0.369	0.069	0.233	0.227	0.883	0.975	0.876	0.803		
0.530				16.70	13.70		0.439			16.80	13.30	Right Tilt	0.462	0.367	0.229	0.406	0.074	0.229	0.205	0.629	0.920	0.866	0.741	
Ant.5		0.215	20.80	17.80	Ant.4	0.113	24.30		23.80	Left Cheek	0.208	0.456	0.284	0.735	0.138	0.451	0.451	0.664	0.943	0.943	0.797			
		0.092	20.80	17.80		0.062	24.30		23.80	Left Tilt	0.119	0.368	0.230	0.601	0.118	0.344	0.360	0.487	0.693	0.720	0.597			
		0.310	20.80	17.80		Right Cheek	0.125		24.30	23.80	0.267	0.376	0.235	0.369	0.069	0.233	0.227	0.643	0.735	0.636	0.563			
		0.072	20.80	17.80			0.060		24.30	23.80	Right Tilt	0.090	0.367	0.229	0.406	0.074	0.229	0.205	0.457	0.548	0.496	0.369		
DC_2A+n 66A		N66	Ant.4	0.231	25.20	25.20	LTE B7		Ant.5	0.268	16.80	14.30	Left Cheek	0.393	0.456	0.284	0.735	0.138	0.451	0.451	0.849	1.128	1.128	0.982
				0.080	25.20	25.20				0.060	16.80	14.30	Left Tilt	0.114	0.368	0.230	0.601	0.118	0.344	0.360	0.482	0.688	0.715	0.592

DC_5A+n 66A	N66	Ant.3	0.150	25.20	25.20	LTE B5	Ant.3	0.395	16.80	14.30	Right Cheek	0.372	0.376	0.235	0.369	0.069	0.233	0.227	0.748	0.840	0.741	0.668		
			0.081	25.20	25.20			0.121	16.80	14.30	Right Tilt	0.149	0.367	0.229	0.406	0.074	0.229	0.205	0.516	0.607	0.555	0.428		
			0.310	16.70	13.70			0.243	14.80	11.30	Left Cheek	0.284	0.456	0.284	0.735	0.138	0.451	0.451	0.720	0.999	0.999	0.853		
			0.372	16.70	13.70			0.319	14.80	11.30	Left Tilt	0.329	0.368	0.230	0.601	0.118	0.344	0.360	0.697	0.903	0.930	0.807		
		0.550	16.70	13.70	0.503		14.80	11.30	Right Cheek	0.500	0.376	0.235	0.369	0.069	0.233	0.227	0.876	0.968	0.869	0.796				
		0.530	16.70	13.70	0.434		14.80	11.30	Right Tilt	0.459	0.367	0.229	0.406	0.074	0.229	0.205	0.626	0.917	0.865	0.738				
		0.215	20.80	17.80	0.304		24.30	23.30	Left Cheek	0.349	0.456	0.284	0.735	0.138	0.451	0.451	0.805	1.084	1.084	0.938				
		0.092	20.80	17.80	0.107		24.30	23.30	Left Tilt	0.131	0.368	0.230	0.601	0.118	0.344	0.360	0.499	0.705	0.732	0.609				
	0.310	20.80	17.80	0.188	24.30		23.30	Right Cheek	0.305	0.376	0.235	0.369	0.069	0.233	0.227	0.681	0.773	0.674	0.601					
	0.072	20.80	17.80	0.145	24.30		23.30	Right Tilt	0.151	0.367	0.229	0.406	0.074	0.229	0.205	0.518	0.609	0.557	0.430					
	DC_12A+ n66A	N66	Ant.4	0.231	25.20		25.20	LTE B12	Ant.1	0.094	24.80	22.00	Left Cheek	0.280	0.456	0.284	0.735	0.138	0.451	0.451	0.736	1.015	1.015	0.869
				0.080	25.20		25.20			0.092	24.80	22.00	Left Tilt	0.128	0.368	0.230	0.601	0.118	0.344	0.360	0.496	0.702	0.729	0.606
				0.150	25.20		25.20			0.232	24.80	22.00	Right Cheek	0.272	0.376	0.235	0.369	0.069	0.233	0.227	0.648	0.740	0.641	0.568
				0.081	25.20		25.20			0.194	24.80	22.00	Right Tilt	0.183	0.367	0.229	0.406	0.074	0.229	0.205	0.550	0.641	0.589	0.462
			0.310	16.70	13.70		0.166		24.50	24.00	Left Cheek	0.303	0.456	0.284	0.735	0.138	0.451	0.451	0.759	1.038	1.038	0.892		
			0.372	16.70	13.70		0.078		24.50	24.00	Left Tilt	0.256	0.368	0.230	0.601	0.118	0.344	0.360	0.624	0.830	0.857	0.734		
0.550			16.70	13.70	0.161	24.50	24.00		Right Cheek	0.419	0.376	0.235	0.369	0.069	0.233	0.227	0.795	0.887	0.788	0.715				
0.530			16.70	13.70	0.094	24.50	24.00		Right Tilt	0.349	0.367	0.229	0.406	0.074	0.229	0.205	0.716	0.807	0.755	0.628				
N66		Ant.4	0.231	25.20	25.20	LTE B12	Ant.1		0.070	23.30	20.30	Left Cheek	0.268	0.456	0.284	0.735	0.138	0.451	0.451	0.722	1.001	1.001	0.855	
			0.080	25.20	25.20				0.068	23.30	20.30	Left Tilt	0.114	0.368	0.230	0.601	0.118	0.344	0.360	0.482	0.688	0.715	0.592	
			0.150	25.20	25.20				0.236	23.30	20.30	Right Cheek	0.268	0.376	0.235	0.369	0.069	0.233	0.227	0.644	0.736	0.637	0.564	
			0.081	25.20	25.20				0.162	23.30	20.30	Right Tilt	0.172	0.367	0.229	0.406	0.074	0.229	0.205	0.539	0.630	0.578	0.451	
		0.310	16.70	13.70	0.032		23.30		23.30	Left Cheek	0.187	0.456	0.284	0.735	0.138	0.451	0.451	0.643	0.922	0.922	0.776			
		0.372	16.70	13.70	0.018		23.30		23.30	Left Tilt	0.204	0.368	0.230	0.601	0.118	0.344	0.360	0.572	0.778	0.805	0.682			
		0.550	16.70	13.70	0.036		23.30		23.30	Right Cheek	0.312	0.376	0.235	0.369	0.069	0.233	0.227	0.688	0.780	0.681	0.608			

			0.530	16.70	13.70			0.026	23.30	23.30	Right Tilt	0.292	0.367	0.229	0.406	0.074	0.229	0.205	0.659	0.750	0.696	0.571
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 1.310 W/kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.																						

13.2.4 Body-worn Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR							SUM SAR				
			SAR											
			1	2	3	4	5	6	7					
			WWAN	MAX. 2.4GWIFI	MAX. 2.4GWIFI	MAX. 5GWIFI	MAX. 5GWIFI	MAX. 5GWIFI	MAX. 5GWIFI	BT	WWAN+WIFI2.4G	WWAN+WIFI5G	WWAN+WIFI5G+BT	WWAN+WIFI2.4G+WIFI5G
			STATE3	Level10&11	Level12	Level10	Level11	Level12			1+2	1+4	1+5+7	1+3+6
GSM850	Ant.0	Front Side 15mm	0.149	0.112	0.042	0.244	0.118	0.096	0.022		0.261	0.393	0.289	0.287
		Back Side 15mm	0.162	0.150	0.055	0.255	0.125	0.099	0.049		0.312	0.417	0.336	0.316
GSM850	Ant.1	Front Side 15mm	0.018	0.112	0.042	0.244	0.118	0.096	0.022		0.130	0.262	0.158	0.156
		Back Side 15mm	0.040	0.150	0.055	0.255	0.125	0.099	0.049		0.190	0.295	0.214	0.194
GSM1900	Ant.3	Front Side 15mm	0.110	0.112	0.042	0.244	0.118	0.096	0.022		0.222	0.354	0.250	0.248
		Back Side 15mm	0.131	0.150	0.055	0.255	0.125	0.099	0.049		0.281	0.386	0.305	0.285
GSM1900	Ant.4	Front Side 15mm	0.055	0.112	0.042	0.244	0.118	0.096	0.022		0.167	0.299	0.195	0.193
		Back Side 15mm	0.096	0.150	0.055	0.255	0.125	0.099	0.049		0.246	0.351	0.270	0.250
GSM1900	Ant.5	Front Side 15mm	0.069	0.112	0.042	0.244	0.118	0.096	0.022		0.181	0.313	0.209	0.207
		Back Side 15mm	0.090	0.150	0.055	0.255	0.125	0.099	0.049		0.240	0.345	0.264	0.244
WCDMA B2	Ant.3	Front Side 15mm	0.107	0.112	0.042	0.244	0.118	0.096	0.022		0.219	0.351	0.247	0.245
		Back Side 15mm	0.117	0.150	0.055	0.255	0.125	0.099	0.049		0.267	0.372	0.291	0.271
WCDMA B2	Ant.4	Front Side 15mm	0.096	0.112	0.042	0.244	0.118	0.096	0.022		0.208	0.340	0.236	0.234
		Back Side 15mm	0.157	0.150	0.055	0.255	0.125	0.099	0.049		0.307	0.412	0.331	0.311

WCDMA B2	Ant.5	Front Side 15mm	0.050	0.112	0.042	0.244	0.118	0.096	0.022	0.162	0.294	0.190	0.188
		Back Side 15mm	0.076	0.150	0.055	0.255	0.125	0.099	0.049	0.226	0.331	0.250	0.230
WCDMA B4	Ant.3	Front Side 15mm	0.082	0.112	0.042	0.244	0.118	0.096	0.022	0.194	0.326	0.222	0.220
		Back Side 15mm	0.111	0.150	0.055	0.255	0.125	0.099	0.049	0.261	0.366	0.285	0.265
WCDMA B4	Ant.4	Front Side 15mm	0.072	0.112	0.042	0.244	0.118	0.096	0.022	0.184	0.316	0.212	0.210
		Back Side 15mm	0.103	0.150	0.055	0.255	0.125	0.099	0.049	0.253	0.358	0.277	0.257
WCDMA B4	Ant.5	Front Side 15mm	0.026	0.112	0.042	0.244	0.118	0.096	0.022	0.138	0.270	0.166	0.164
		Back Side 15mm	0.034	0.150	0.055	0.255	0.125	0.099	0.049	0.184	0.289	0.208	0.188
WCDMA B5	Ant.0	Front Side 15mm	0.016	0.112	0.042	0.244	0.118	0.096	0.022	0.128	0.260	0.156	0.154
		Back Side 15mm	0.039	0.150	0.055	0.255	0.125	0.099	0.049	0.189	0.294	0.213	0.193
WCDMA B2	Ant.1	Front Side 15mm	0.089	0.112	0.042	0.244	0.118	0.096	0.022	0.201	0.333	0.229	0.227
		Back Side 15mm	0.111	0.150	0.055	0.255	0.125	0.099	0.049	0.261	0.366	0.285	0.265
LTE B2	Ant.3	Front Side 15mm	0.059	0.112	0.042	0.244	0.118	0.096	0.022	0.171	0.303	0.199	0.197
		Back Side 15mm	0.094	0.150	0.055	0.255	0.125	0.099	0.049	0.244	0.349	0.268	0.248
LTE B2	Ant.4	Front Side 15mm	0.078	0.112	0.042	0.244	0.118	0.096	0.022	0.190	0.322	0.218	0.216
		Back Side 15mm	0.097	0.150	0.055	0.255	0.125	0.099	0.049	0.247	0.352	0.271	0.251
LTE B2	Ant.5	Front Side 15mm	0.039	0.112	0.042	0.244	0.118	0.096	0.022	0.151	0.283	0.179	0.177
		Back Side 15mm	0.053	0.150	0.055	0.255	0.125	0.099	0.049	0.203	0.308	0.227	0.207
LTE B4	Ant.3	Front Side 15mm	0.087	0.112	0.042	0.244	0.118	0.096	0.022	0.199	0.331	0.227	0.225

		Back Side 15mm	0.116	0.150	0.055	0.255	0.125	0.099	0.049	0.266	0.371	0.290	0.270
LTE B4	Ant.4	Front Side 15mm	0.092	0.112	0.042	0.244	0.118	0.096	0.022	0.204	0.336	0.232	0.230
		Back Side 15mm	0.106	0.150	0.055	0.255	0.125	0.099	0.049	0.256	0.361	0.280	0.260
LTE B4	Ant.5	Front Side 15mm	0.046	0.112	0.042	0.244	0.118	0.096	0.022	0.158	0.290	0.186	0.184
		Back Side 15mm	0.051	0.150	0.055	0.255	0.125	0.099	0.049	0.201	0.306	0.225	0.205
LTE B5	Ant.0	Front Side 15mm	0.123	0.112	0.042	0.244	0.118	0.096	0.022	0.235	0.367	0.263	0.261
		Back Side 15mm	0.135	0.150	0.055	0.255	0.125	0.099	0.049	0.285	0.390	0.309	0.289
LTE B5	Ant.1	Front Side 15mm	0.028	0.112	0.042	0.244	0.118	0.096	0.022	0.140	0.272	0.168	0.166
		Back Side 15mm	0.056	0.150	0.055	0.255	0.125	0.099	0.049	0.206	0.311	0.230	0.210
LTE B7	Ant.3	Front Side 15mm	0.109	0.112	0.042	0.244	0.118	0.096	0.022	0.221	0.353	0.249	0.247
		Back Side 15mm	0.155	0.150	0.055	0.255	0.125	0.099	0.049	0.305	0.410	0.329	0.309
LTE B7	Ant.4	Front Side 15mm	0.111	0.112	0.042	0.244	0.118	0.096	0.022	0.223	0.355	0.251	0.249
		Back Side 15mm	0.145	0.150	0.055	0.255	0.125	0.099	0.049	0.295	0.400	0.319	0.299
LTE B7	Ant.5	Front Side 15mm	0.111	0.112	0.042	0.244	0.118	0.096	0.022	0.223	0.355	0.251	0.249
		Back Side 15mm	0.155	0.150	0.055	0.255	0.125	0.099	0.049	0.305	0.410	0.329	0.309
LTE B12	Ant.0	Front Side 15mm	0.177	0.112	0.042	0.244	0.118	0.096	0.022	0.269	0.421	0.317	0.315
		Back Side 15mm	0.199	0.150	0.055	0.255	0.125	0.099	0.049	0.349	0.454	0.373	0.353
LTE B12	Ant.1	Front Side 15mm	0.059	0.112	0.042	0.244	0.118	0.096	0.022	0.171	0.303	0.199	0.197
		Back Side 15mm	0.090	0.150	0.055	0.255	0.125	0.099	0.049	0.240	0.345	0.264	0.244

LTE B13	Ant.0	Front Side 15mm	0.059	0.112	0.042	0.244	0.118	0.096	0.022	0.171	0.303	0.199	0.197
		Back Side 15mm	0.066	0.150	0.055	0.255	0.125	0.099	0.049	0.216	0.321	0.240	0.220
LTE B13	Ant.1	Front Side 15mm	0.053	0.112	0.042	0.244	0.118	0.096	0.022	0.165	0.297	0.193	0.191
		Back Side 15mm	0.062	0.150	0.055	0.255	0.125	0.099	0.049	0.212	0.317	0.236	0.216
LTE B26	Ant.0	Front Side 15mm	0.123	0.112	0.042	0.244	0.118	0.096	0.022	0.235	0.367	0.263	0.261
		Back Side 15mm	0.150	0.150	0.055	0.255	0.125	0.099	0.049	0.300	0.405	0.324	0.304
LTE B26	Ant.1	Front Side 15mm	0.032	0.112	0.042	0.244	0.118	0.096	0.022	0.144	0.276	0.172	0.170
		Back Side 15mm	0.053	0.150	0.055	0.255	0.125	0.099	0.049	0.203	0.308	0.227	0.207
LTE B38	Ant.3	Front Side 15mm	0.097	0.112	0.042	0.244	0.118	0.096	0.022	0.209	0.341	0.237	0.235
		Back Side 15mm	0.157	0.150	0.055	0.255	0.125	0.099	0.049	0.307	0.412	0.331	0.311
LTE B38	Ant.4	Front Side 15mm	0.076	0.112	0.042	0.244	0.118	0.096	0.022	0.188	0.320	0.216	0.214
		Back Side 15mm	0.142	0.150	0.055	0.255	0.125	0.099	0.049	0.292	0.397	0.316	0.296
LTE B38	Ant.5	Front Side 15mm	0.077	0.112	0.042	0.244	0.118	0.096	0.022	0.189	0.321	0.217	0.215
		Back Side 15mm	0.090	0.150	0.055	0.255	0.125	0.099	0.049	0.240	0.345	0.264	0.244
LTE B41	Ant.3	Front Side 15mm	0.137	0.112	0.042	0.244	0.118	0.096	0.022	0.249	0.381	0.277	0.275
		Back Side 15mm	0.185	0.150	0.055	0.255	0.125	0.099	0.049	0.335	0.440	0.359	0.339
LTE B41	Ant.4	Front Side 15mm	0.124	0.112	0.042	0.244	0.118	0.096	0.022	0.236	0.368	0.264	0.262
		Back Side 15mm	0.152	0.150	0.055	0.255	0.125	0.099	0.049	0.302	0.407	0.326	0.306
LTE B41	Ant.5	Front Side 15mm	0.124	0.112	0.042	0.244	0.118	0.096	0.022	0.236	0.368	0.264	0.262

		Back Side 15mm	0.177	0.150	0.055	0.255	0.125	0.099	0.049	0.327	0.432	0.351	0.331
LTE B66	Ant.3	Front Side 15mm	0.102	0.112	0.042	0.244	0.118	0.096	0.022	0.214	0.346	0.242	0.240
		Back Side 15mm	0.144	0.150	0.055	0.255	0.125	0.099	0.049	0.294	0.399	0.318	0.298
LTE B66	Ant.4	Front Side 15mm	0.094	0.112	0.042	0.244	0.118	0.096	0.022	0.206	0.338	0.234	0.232
		Back Side 15mm	0.133	0.150	0.055	0.255	0.125	0.099	0.049	0.283	0.388	0.307	0.287
LTE B66	Ant.5	Front Side 15mm	0.047	0.112	0.042	0.244	0.118	0.096	0.022	0.159	0.291	0.187	0.185
		Back Side 15mm	0.078	0.150	0.055	0.255	0.125	0.099	0.049	0.228	0.333	0.252	0.232
N5	Ant.0	Front Side 15mm	0.101	0.112	0.042	0.244	0.118	0.096	0.022	0.213	0.345	0.241	0.239
		Back Side 15mm	0.146	0.150	0.055	0.255	0.125	0.099	0.049	0.296	0.401	0.320	0.300
N5	Ant.1	Front Side 15mm	0.021	0.112	0.042	0.244	0.118	0.096	0.022	0.133	0.265	0.161	0.159
		Back Side 15mm	0.044	0.150	0.055	0.255	0.125	0.099	0.049	0.194	0.299	0.218	0.198
N7	Ant.3	Front Side 15mm	0.071	0.112	0.042	0.244	0.118	0.096	0.022	0.183	0.315	0.211	0.209
		Back Side 15mm	0.092	0.150	0.055	0.255	0.125	0.099	0.049	0.242	0.347	0.266	0.246
N7	Ant.4	Front Side 15mm	0.120	0.112	0.042	0.244	0.118	0.096	0.022	0.232	0.364	0.260	0.258
		Back Side 15mm	0.160	0.150	0.055	0.255	0.125	0.099	0.049	0.310	0.415	0.334	0.314
N7	Ant.5	Front Side 15mm	0.083	0.112	0.042	0.244	0.118	0.096	0.022	0.195	0.327	0.223	0.221
		Back Side 15mm	0.125	0.150	0.055	0.255	0.125	0.099	0.049	0.275	0.380	0.299	0.279
N38	Ant.3	Front Side 15mm	0.066	0.112	0.042	0.244	0.118	0.096	0.022	0.178	0.310	0.206	0.204
		Back Side 15mm	0.120	0.150	0.055	0.255	0.125	0.099	0.049	0.270	0.375	0.294	0.274

N38	Ant.4	Front Side 15mm	0.078	0.112	0.042	0.244	0.118	0.096	0.022	0.190	0.322	0.218	0.216
		Back Side 15mm	0.128	0.150	0.055	0.255	0.125	0.099	0.049	0.278	0.383	0.302	0.282
N38	Ant.5	Front Side 15mm	0.047	0.112	0.042	0.244	0.118	0.096	0.022	0.159	0.291	0.187	0.185
		Back Side 15mm	0.078	0.150	0.055	0.255	0.125	0.099	0.049	0.228	0.333	0.252	0.232
N41	Ant.3	Front Side 15mm	0.039	0.112	0.042	0.244	0.118	0.096	0.022	0.151	0.283	0.179	0.177
		Back Side 15mm	0.052	0.150	0.055	0.255	0.125	0.099	0.049	0.202	0.307	0.226	0.206
N41	Ant.4	Front Side 15mm	0.076	0.112	0.042	0.244	0.118	0.096	0.022	0.188	0.320	0.216	0.214
		Back Side 15mm	0.088	0.150	0.055	0.255	0.125	0.099	0.049	0.238	0.343	0.262	0.242
N41	Ant.5	Front Side 15mm	0.035	0.112	0.042	0.244	0.118	0.096	0.022	0.147	0.279	0.175	0.173
		Back Side 15mm	0.055	0.150	0.055	0.255	0.125	0.099	0.049	0.205	0.310	0.229	0.209
N66	Ant.3	Front Side 15mm	0.056	0.112	0.042	0.244	0.118	0.096	0.022	0.168	0.300	0.196	0.194
		Back Side 15mm	0.080	0.150	0.055	0.255	0.125	0.099	0.049	0.230	0.335	0.254	0.234
N66	Ant.4	Front Side 15mm	0.075	0.112	0.042	0.244	0.118	0.096	0.022	0.187	0.319	0.215	0.213
		Back Side 15mm	0.091	0.150	0.055	0.255	0.125	0.099	0.049	0.241	0.346	0.265	0.245
N66	Ant.5	Front Side 15mm	0.059	0.112	0.042	0.244	0.118	0.096	0.022	0.171	0.303	0.199	0.197
		Back Side 15mm	0.083	0.150	0.055	0.255	0.125	0.099	0.049	0.233	0.338	0.257	0.237

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

13.2.5 Body-worn Simultaneous Transmission SAR Evaluation for ENDC Antenna

ENDC	NR Band	NR Antenna	NR SA(STATE1)	Tune up (NR SA)	Tune up (NR NSA)	LTE Band	LTE Antenna	WWAN(STATE1)	Tune up (LTE SA)	Tune up (LTE ENDC)	Position	Stand alone SAR		
												1	2	3
												Calculated ENDC NR	Calculated ENDC LTE	ENDC(LTE+NR)
DC_7A+n5A	N5	Ant.1	0.021	24.70	24.70	LTE B7	Ant.4	0.181	20.80	17.80	Front Side 15mm	0.021	0.091	0.112
			0.044	24.70	24.70			0.244	20.80	17.80	Back Side 15mm	0.044	0.122	0.166
		Ant.0	0.122	24.20	23.70		Ant.3	0.188	21.30	18.30	Front Side 15mm	0.109	0.094	0.203
			0.152	24.20	23.70			0.269	21.30	18.30	Back Side 15mm	0.135	0.135	0.270
DC_66A+n5A	N5	Ant.1	0.021	24.70	24.70	LTE B66	Ant.4	0.150	21.30	18.30	Front Side 15mm	0.021	0.075	0.096
			0.044	24.70	24.70			0.201	21.30	18.30	Back Side 15mm	0.044	0.101	0.145
		Ant.0	0.122	24.20	23.70		Ant.3	0.193	22.30	18.80	Front Side 15mm	0.109	0.086	0.195
			0.152	24.20	23.70			0.230	22.30	18.80	Back Side 15mm	0.135	0.103	0.238
DC_2A+n7A	N7	Ant.4	0.209	21.20	18.70	LTE B2	Ant.5	0.061	19.80	17.80	Front Side 15mm	0.118	0.038	0.156
			0.268	21.20	18.70			0.090	19.80	17.80	Back Side 15mm	0.151	0.057	0.207
		Ant.3	0.115	20.70	18.20		Ant.3	0.101	22.80	20.30	Front Side 15mm	0.065	0.057	0.121
			0.170	20.70	18.20			0.145	22.80	20.30	Back Side 15mm	0.096	0.082	0.177
		Ant.5	0.135	21.00	18.50		Ant.4	0.127	21.30	18.30	Front Side 15mm	0.076	0.064	0.140
			0.204	21.00	18.50			0.193	21.30	18.30	Back Side 15mm	0.115	0.097	0.211
DC_66A+n7A	N7	Ant.4	0.209	21.20	18.70	LTE B66	Ant.5	0.078	21.80	19.30	Front Side 15mm	0.118	0.044	0.161
			0.268	21.20	18.70			0.130	21.80	19.30	Back Side 15mm	0.151	0.073	0.224
		Ant.3	0.115	20.70	18.20		Ant.3	0.193	22.30	18.80	Front Side 15mm	0.065	0.086	0.151
			0.170	20.70	18.20			0.230	22.30	18.80	Back Side 15mm	0.096	0.103	0.198
		Ant.5	0.135	21.00	18.50		Ant.4	0.150	21.30	18.30	Front Side 15mm	0.076	0.075	0.151
			0.204	21.00	18.50			0.201	21.30	18.30	Back Side 15mm	0.115	0.101	0.215
DC_5A+n7A	N7	Ant.4	0.209	21.20	18.70	LTE B5	Ant.1	0.028	24.80	24.50	Front Side 15mm	0.118	0.026	0.144
			0.268	21.20	18.70			0.056	24.80	24.50	Back Side 15mm	0.151	0.052	0.203
		Ant.3	0.115	20.70	18.20		Ant.0	0.116	24.50	24.50	Front Side 15mm	0.065	0.116	0.181
			0.170	20.70	18.20			0.138	24.50	24.50	Back Side 15mm	0.096	0.138	0.234
DC_66A+n38A	N38	Ant.4	0.148	21.20	18.70	LTE B66	Ant.5	0.078	21.80	20.00	Front Side 15mm	0.083	0.052	0.135
			0.206	21.20	18.70			0.130	21.80	20.00	Back Side 15mm	0.116	0.086	0.202
		Ant.3	0.123	20.20	17.70		Ant.3	0.193	22.30	19.50	Front Side 15mm	0.069	0.101	0.170
			0.192	20.20	17.70			0.230	22.30	19.50	Back Side 15mm	0.108	0.121	0.229
		Ant.5	0.094	20.40	17.90		Ant.4	0.150	21.30	19.00	Front Side 15mm	0.053	0.088	0.141
			0.141	20.40	17.90			0.201	21.30	19.00	Back Side 15mm	0.079	0.118	0.198

DC_26A+H41A	N41	Ant.4	0.165	21.70	17.20	LTE B26	Ant.1	0.032	24.80	23.80	Front Side 15mm	0.059	0.025	0.084	
			0.295	21.70	17.20			0.053	24.80	23.80	Back Side 15mm	0.105	0.042	0.147	
		Ant.3	0.155	20.00	15.70			Ant.0	0.123	24.30	23.30	Front Side 15mm	0.058	0.098	0.155
			0.231	20.00	15.70				0.150	24.30	23.30	Back Side 15mm	0.086	0.119	0.205
DC_66A+H41A	N41	Ant.4	0.165	21.70	17.20	LTE B66	Ant.5	0.078	21.80	19.30	Front Side 15mm	0.059	0.044	0.102	
			0.295	21.70	17.20			0.130	21.80	19.30	Back Side 15mm	0.105	0.073	0.178	
		Ant.3	0.155	20.00	15.70		Ant.3	0.193	22.30	18.80	Front Side 15mm	0.058	0.086	0.144	
			0.231	20.00	15.70			0.230	22.30	18.80	Back Side 15mm	0.086	0.103	0.189	
		Ant.5	0.054	21.30	18.20		Ant.4	0.150	21.30	18.30	Front Side 15mm	0.026	0.075	0.102	
			0.084	21.30	18.20			0.201	21.30	18.30	Back Side 15mm	0.041	0.101	0.142	
DC_2A+H66A	N66	Ant.4	0.138	21.70	19.20	LTE B2	Ant.5	0.061	19.80	17.80	Front Side 15mm	0.078	0.038	0.116	
			0.155	21.70	19.20			0.090	19.80	17.80	Back Side 15mm	0.087	0.057	0.144	
		Ant.3	0.101	21.70	19.20		Ant.3	0.101	22.80	20.30	Front Side 15mm	0.057	0.057	0.114	
			0.152	21.70	19.20			0.145	22.80	20.30	Back Side 15mm	0.085	0.082	0.167	
		Ant.5	0.109	21.80	19.30		Ant.4	0.127	21.30	18.30	Front Side 15mm	0.061	0.064	0.125	
			0.153	21.80	19.30			0.193	21.30	18.30	Back Side 15mm	0.086	0.097	0.183	
DC_7A+H66A	N66	Ant.4	0.138	21.70	19.20	LTE B7	Ant.5	0.174	20.80	18.80	Front Side 15mm	0.078	0.110	0.187	
			0.155	21.70	19.20			0.264	20.80	18.80	Back Side 15mm	0.087	0.167	0.254	
		Ant.3	0.101	21.70	19.20		Ant.3	0.188	21.30	18.30	Front Side 15mm	0.057	0.094	0.151	
			0.152	21.70	19.20			0.269	21.30	18.30	Back Side 15mm	0.085	0.135	0.220	
		Ant.5	0.109	21.80	19.30		Ant.4	0.161	20.80	17.80	Front Side 15mm	0.061	0.091	0.152	
			0.153	21.80	19.30			0.244	20.80	17.80	Back Side 15mm	0.086	0.122	0.208	
DC_5A+H66A	N66	Ant.4	0.138	21.70	19.20	LTE B5	Ant.1	0.028	24.80	24.50	Front Side 15mm	0.078	0.026	0.104	
			0.155	21.70	19.20			0.056	24.80	24.50	Back Side 15mm	0.087	0.052	0.139	
		Ant.3	0.101	21.70	19.20		Ant.0	0.124	24.50	24.00	Front Side 15mm	0.057	0.111	0.167	
			0.152	21.70	19.20			0.148	24.50	24.00	Back Side 15mm	0.085	0.132	0.217	
DC_12A+H66A	N66	Ant.4	0.138	21.70	19.20	LTE B12	Ant.1	0.059	23.80	23.80	Front Side 15mm	0.078	0.059	0.137	
			0.155	21.70	19.20			0.090	23.80	23.80	Back Side 15mm	0.087	0.090	0.177	
		Ant.3	0.101	21.70	19.20		Ant.0	0.177	23.30	23.30	Front Side 15mm	0.057	0.177	0.234	
			0.152	21.70	19.20			0.199	23.30	23.30	Back Side 15mm	0.085	0.199	0.284	

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

		A6.3	0.160	16.70	15.70	A6.0	0.056	24.60	23.00	Back	0.117	0.100	0.055	0.255	0.125	0.086	0.049	0.316	0.372	0.261	0.271			
			0.071	16.20	15.20		0.124	24.50	21.50	Side	0.086	0.112	0.042	0.244	0.118	0.096	0.022	0.232	0.342	0.228	0.236			
			0.092	16.20	15.20		0.148	24.50	21.50	Side	0.120	0.100	0.055	0.255	0.125	0.089	0.049	0.319	0.375	0.264	0.274			
										15mm														
										Front														
										Back														
DC_65A-138A	N38	A6.4	0.076	16.70	15.70	A6.5	0.047	19.30	17.00	Front	0.067	0.112	0.042	0.244	0.118	0.096	0.022	0.201	0.311	0.207	0.205			
			0.128	16.70	15.70		0.078	19.30	17.00	Side	0.110	0.100	0.055	0.255	0.125	0.089	0.049	0.309	0.365	0.264	0.264			
		A6.3	0.096	17.70	14.70	A6.3	0.102	19.30	16.50	Front	0.081	0.112	0.042	0.244	0.118	0.096	0.022	0.215	0.325	0.221	0.219			
			0.120	17.70	14.70		0.144	19.30	16.50	Side	0.127	0.100	0.055	0.255	0.125	0.089	0.049	0.326	0.382	0.261	0.261			
		A6.5	0.047	17.00	14.30	A6.4	0.094	19.30	16.50	Front	0.066	0.112	0.042	0.244	0.118	0.096	0.022	0.203	0.313	0.208	0.208			
			0.076	17.00	14.30		0.133	19.30	16.50	Side	0.101	0.100	0.055	0.255	0.125	0.089	0.049	0.300	0.356	0.275	0.225			
		DC_65A-141A	N41	A6.4	0.090	19.20	14.20	A6.1	0.022	24.80	21.80	Front	0.044	0.112	0.042	0.244	0.118	0.096	0.022	0.178	0.288	0.184	0.182	
					0.132	19.20	14.20		0.023	24.80	21.80	Side	0.075	0.100	0.055	0.255	0.125	0.089	0.049	0.274	0.320	0.249	0.229	
				A6.3	0.085	17.50	9.70	A6.0	0.123	24.30	20.80	Front	0.069	0.112	0.042	0.244	0.118	0.096	0.022	0.203	0.313	0.209	0.207	
									0.123	24.30	20.80	Side	0.089	0.112	0.042	0.244	0.118	0.096	0.022	0.203	0.313	0.209	0.207	
										15mm														
										Back														
						15mm																		
						Front																		

			0.127	17.50	9.70				0.150	24.30	20.80	Back	0.088	0.150	0.055	0.255	0.125	0.099	0.049	0.287	0.343	0.262	0.240
												Side											
												15mm											
			0.090	19.20	14.20				0.047	19.30	16.30	Front											
												Side	0.052	0.112	0.042	0.244	0.118	0.096	0.022	0.186	0.236	0.192	0.190
												15mm											
			0.132	19.20	14.20				0.078	19.30	16.30	Back											
												Side	0.087	0.150	0.055	0.255	0.125	0.099	0.049	0.286	0.342	0.261	0.241
												15mm											
			0.085	17.50	9.70				0.102	19.90	15.90	Front											
												Side	0.055	0.112	0.042	0.244	0.118	0.096	0.022	0.189	0.239	0.195	0.193
												15mm											
			0.127	17.50	9.70				0.144	19.90	15.90	Back											
												Side	0.078	0.150	0.055	0.255	0.125	0.099	0.049	0.277	0.333	0.252	0.232
												15mm											
			0.035	19.80	14.70				0.094	19.30	15.30	Front											
												Side	0.051	0.112	0.042	0.244	0.118	0.096	0.022	0.185	0.235	0.191	0.189
												15mm											
			0.035	19.80	14.70				0.133	19.30	15.30	Back											
												Side	0.074	0.150	0.055	0.255	0.125	0.099	0.049	0.273	0.329	0.248	0.228
												15mm											
			0.075	19.20	16.20				0.039	17.30	14.80	Front											
												Side	0.060	0.112	0.042	0.244	0.118	0.096	0.022	0.184	0.234	0.200	0.198
												15mm											
			0.091	19.20	16.20				0.093	17.30	14.80	Back											
												Side	0.075	0.150	0.055	0.255	0.125	0.099	0.049	0.274	0.330	0.249	0.229
												15mm											
			0.030	19.20	16.20				0.020	20.90	17.30	Front											
												Side	0.054	0.112	0.042	0.244	0.118	0.096	0.022	0.183	0.233	0.194	0.192
												15mm											
			0.090	19.20	16.20				0.094	20.90	17.30	Back											
												Side	0.082	0.150	0.055	0.255	0.125	0.099	0.049	0.281	0.337	0.256	0.236
												15mm											
			0.030	19.20	16.20				0.078	19.90	15.30	Front											
												Side	0.064	0.112	0.042	0.244	0.118	0.096	0.022	0.189	0.239	0.204	0.202
												15mm											

			0.083	19.30	16.30			0.087	18.80	15.30	Back	0.085	0.100	0.055	0.255	0.125	0.088	0.049	0.284	0.340	0.259	0.236
											Side											
											15mm											
			0.075	19.20	16.20			0.111	19.30	15.80	Front	0.100	0.112	0.042	0.244	0.118	0.086	0.022	0.234	0.344	0.340	0.236
		Ant.4									Side											
											15mm											
			0.091	19.20	16.20			0.155	19.30	15.80	Back	0.133	0.100	0.055	0.255	0.125	0.089	0.049	0.332	0.388	0.307	0.287
											Side											
											15mm											
			0.056	19.20	16.20		LTE	0.109	19.80	15.30	Front	0.077	0.112	0.042	0.244	0.118	0.086	0.022	0.211	0.321	0.217	0.215
		Ant.3									Side											
							BT				15mm											
			0.080	19.20	16.20			0.155	19.80	15.30	Back	0.109	0.100	0.055	0.255	0.125	0.089	0.049	0.308	0.364	0.283	0.283
											Side											
											15mm											
			0.059	19.30	16.30			0.111	19.30	14.80	Front	0.079	0.112	0.042	0.244	0.118	0.086	0.022	0.213	0.323	0.219	0.217
		Ant.5									Side											
											15mm											
			0.083	19.30	16.30			0.145	19.30	14.80	Back	0.106	0.100	0.055	0.255	0.125	0.089	0.049	0.305	0.361	0.280	0.280
											Side											
											15mm											
			0.075	19.20	16.20		LTE	0.028	24.80	23.80	Front	0.056	0.112	0.042	0.244	0.118	0.086	0.022	0.180	0.320	0.196	0.184
		Ant.4									Side											
											15mm											
			0.091	19.20	16.20			0.055	24.80	23.80	Back	0.085	0.100	0.055	0.255	0.125	0.089	0.049	0.282	0.338	0.257	0.237
											Side											
											15mm											
			0.056	19.20	16.20		BT	0.124	24.50	21.00	Front	0.083	0.112	0.042	0.244	0.118	0.086	0.022	0.217	0.327	0.223	0.221
		Ant.3									Side											
											15mm											
			0.080	19.20	16.20			0.148	24.50	21.00	Back	0.106	0.100	0.055	0.255	0.125	0.089	0.049	0.305	0.361	0.280	0.280
											Side											
											15mm											
			0.075	19.20	16.20		LTE	0.029	23.80	23.30	Front	0.080	0.112	0.042	0.244	0.118	0.086	0.022	0.224	0.324	0.220	0.228
		Ant.4									Side											
							BT				15mm											

		Ant.3	0.091	19.20	16.20	Ant.0	0.090	23.60	23.30	Back	0.126	0.100	0.055	0.255	0.125	0.099	0.049	0.325	0.381	0.300	0.280
			Side	0.126	0.100		0.055	0.255	0.125	0.099	0.049	0.325	0.381	0.300	0.280						
			15mm																		
			Front																		
			Side	0.177	23.30		20.80	0.126	0.112	0.042	0.244	0.118	0.096	0.022	0.262	0.372	0.308	0.296			
			15mm																		
Back																					
Side	0.090	19.20	16.20	0.199	23.30	20.80	0.152	0.100	0.055	0.255	0.125	0.099	0.049	0.351	0.407	0.308	0.306				
15mm																					

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

			0.010	10.00	10.00				Top Edge	0.007	0.001	0.008	0.008	0.008	0.008	0.008	0.007	0.008	0.007	0.001	0.008	0.008												
			0.010	10.00	10.00				Bottom Edge	0.008	0.008	0.010	0.010	0.010	0.008	0.007	0.010	0.007	0.008	0.009	0.009	0.008	0.007											
			0.108	10.00	10.00				Front Edge	0.019	0.019	0.107	0.009	0.108	0.008	0.008	0.106	0.008	0.008	0.010	0.010	0.008	0.008											
			0.028	10.00	10.00				Back Edge	0.018	0.001	0.020	0.008	0.174	0.008	0.106	0.106	0.008	0.008	0.009	0.009	0.008	0.008	0.007										
			0.008	10.00	10.00				Left Edge/Corner	0.003	0.001	0.017	0.001	0.008	0.174	0.001	0.106	0.008	0.106	0.008	0.010	0.010	0.008	0.008										
			0.008	10.00	10.00				Right Edge	0.108	0.019	0.103	0.008	0.008	0.008	0.007	0.008	0.011	0.009	0.009	0.108	0.101	0.007	0.007										
			0.010	10.00	10.00				Top Edge	0.010	0.001	0.017	0.008	0.008	0.008	0.008	0.107	0.008	0.008	0.010	0.008	0.008	0.008	0.008										
			0.007	10.00	10.00				Bottom Edge	0.008	0.108	0.108	0.018	0.008	0.008	0.007	0.008	0.007	0.008	0.007	0.103	0.108	0.107	0.107	0.007									
									0.008	10.00	10.00				Front Edge	0.108	0.001	0.108	0.008	0.108	0.008	0.008	0.100	0.008	0.008	0.008	0.008	0.008	0.008					
									0.007	10.00	10.00				Back Edge	0.108	0.001	0.108	0.008	0.174	0.008	0.106	0.106	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008			
									0.008	10.00	10.00				Left Edge/Corner	0.008	0.001	0.008	0.001	0.008	0.174	0.001	0.106	0.008	0.106	0.008	0.010	0.010	0.008	0.008	0.008	0.008		
									0.008	10.00	10.00				Right Edge	0.007	0.007	0.018	0.008	0.008	0.008	0.007	0.008	0.011	0.008	0.008	0.108	0.101	0.007	0.007				
									0.007	10.00	10.00				Top Edge	0.008	0.001	0.008	0.008	0.008	0.008	0.008	0.107	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008			
									0.010	10.00	10.00				Bottom Edge	0.008	0.001	0.018	0.018	0.008	0.008	0.007	0.008	0.007	0.008	0.007	0.008	0.008	0.008	0.008	0.008	0.008		
0.110	10.00	10.00				Front Edge	0.007	0.001	0.110	0.008	0.108				0.008	0.008	0.100	0.008	0.008	0.010	0.008	0.008	0.008	0.008	0.008	0.008	0.008							
0.108	10.00	10.00				Back Edge	0.008	0.108	0.108	0.008	0.174				0.008	0.106	0.106	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008						
0.008	10.00	10.00				Left Edge/Corner	0.008	0.001	0.110	0.001	0.008				0.174	0.001	0.106	0.008	0.008	0.010	0.010	0.007	0.008	0.008	0.008	0.008	0.008	0.008						
0.007	10.00	10.00				Right Edge	0.008	0.001	0.008	0.008	0.008				0.008	0.007	0.008	0.011	0.008	0.008	0.108	0.101	0.007	0.007										
0.008	10.00	10.00				Top Edge	0.008	0.001	0.008	0.008	0.008				0.008	0.008	0.107	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008						
0.010	10.00	10.00				Bottom Edge	0.007	0.007	0.108	0.008	0.008				0.008	0.008	0.007	0.008	0.011	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008						

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

Band	Antenna	Position	Stand alone								SUM SAR			
			SAR	1	2	3	4	5	6	7	WWAN+WIFI2.4G 1+2	WWAN+WIFI5G 1+4	WWAN+WIFI5G+BT 1+5+7	WWAN+WIFI2.4G+WIFI5G 1+3+6
			1	2	3	4	5	6	7					
			STATE3	Level10&11	Level12	Level10	Level11	Level12						
GSM850	Ant.0	Front Side 10mm	0.226	0.289	0.108	0.353	0.239	0.190	0.054	0.515	0.579	0.519	0.524	
		Back Side 10mm	0.274	0.306	0.114	0.383	0.195	0.155	0.095	0.580	0.657	0.564	0.543	
		Left Edge10mm	0.198	0.081	0.030	0.715	0.401	0.318	0.036	0.279	0.913	0.635	0.546	
		Right Edge 10mm	0.094	0.545	0.203	0.065	0.057	0.046	0.011	0.639	0.159	0.162	0.343	
		Top Edge 10mm	0.002	0.240	0.089	0.393	0.249	0.197	0.099	0.242	0.395	0.350	0.288	
		Bottom Edge 10mm	0.139	0.018	0.020	0.065	0.027	0.023	0.007	0.157	0.204	0.173	0.182	
GSM850	Ant.1	Front Side 10mm	0.007	0.289	0.108	0.353	0.239	0.190	0.054	0.296	0.360	0.300	0.305	
		Back Side 10mm	0.040	0.306	0.114	0.383	0.195	0.155	0.095	0.346	0.423	0.330	0.309	
		Left Edge10mm	0.001	0.081	0.030	0.715	0.401	0.318	0.036	0.082	0.716	0.438	0.349	
		Right Edge 10mm	0.007	0.545	0.203	0.065	0.057	0.046	0.011	0.552	0.072	0.075	0.256	
		Top Edge 10mm	0.004	0.240	0.089	0.393	0.249	0.197	0.099	0.244	0.397	0.352	0.290	
		Bottom Edge 10mm	0.001	0.018	0.020	0.065	0.027	0.023	0.007	0.019	0.066	0.035	0.044	
GSM1900	Ant.3	Front Side 10mm	0.156	0.289	0.108	0.353	0.239	0.190	0.054	0.445	0.509	0.449	0.454	
		Back Side 10mm	0.165	0.306	0.114	0.383	0.195	0.155	0.095	0.471	0.548	0.455	0.434	

		Left Edge10mm	0.004	0.081	0.030	0.715	0.401	0.318	0.036	0.085	0.719	0.441	0.352
		Right Edge 10mm	0.110	0.545	0.203	0.065	0.057	0.046	0.011	0.655	0.175	0.178	0.359
		Top Edge 10mm	0.318	0.240	0.089	0.393	0.249	0.197	0.099	0.558	0.711	0.666	0.604
		Bottom Edge 10mm	0.002	0.018	0.020	0.065	0.027	0.023	0.007	0.020	0.067	0.036	0.045
GSM1900	Ant.4	Front Side 10mm	0.104	0.289	0.108	0.353	0.239	0.190	0.054	0.393	0.457	0.397	0.402
		Back Side 10mm	0.196	0.306	0.114	0.383	0.195	0.155	0.095	0.502	0.579	0.486	0.465
		Left Edge10mm	0.018	0.081	0.030	0.715	0.401	0.318	0.036	0.099	0.733	0.455	0.366
		Right Edge 10mm	0.058	0.545	0.203	0.065	0.057	0.046	0.011	0.603	0.123	0.126	0.307
		Top Edge 10mm	0.005	0.240	0.089	0.393	0.249	0.197	0.099	0.245	0.396	0.353	0.291
		Bottom Edge 10mm	0.239	0.018	0.020	0.065	0.027	0.023	0.007	0.257	0.304	0.273	0.282
GSM1900	Ant.5	Front Side 10mm	0.125	0.289	0.108	0.353	0.239	0.190	0.054	0.414	0.478	0.418	0.423
		Back Side 10mm	0.204	0.306	0.114	0.383	0.195	0.155	0.095	0.510	0.587	0.494	0.473
		Left Edge10mm	0.013	0.081	0.030	0.715	0.401	0.318	0.036	0.094	0.728	0.450	0.361
		Right Edge 10mm	0.273	0.545	0.203	0.065	0.057	0.046	0.011	0.818	0.338	0.341	0.522
		Top Edge 10mm	0.002	0.240	0.089	0.393	0.249	0.197	0.099	0.242	0.395	0.350	0.288
		Bottom Edge 10mm	0.006	0.018	0.020	0.065	0.027	0.023	0.007	0.024	0.071	0.040	0.049
WCDMA B2	Ant.3	Front Side 10mm	0.175	0.289	0.108	0.353	0.239	0.190	0.054	0.464	0.528	0.468	0.473
		Back Side 10mm	0.209	0.306	0.114	0.383	0.195	0.155	0.095	0.515	0.592	0.499	0.478
		Left Edge10mm	0.053	0.081	0.030	0.715	0.401	0.318	0.036	0.134	0.768	0.490	0.401

		Right Edge 10mm	0.144	0.545	0.203	0.065	0.057	0.046	0.011	0.689	0.209	0.212	0.393
		Top Edge 10mm	0.355	0.240	0.089	0.393	0.249	0.197	0.099	0.595	0.748	0.703	0.641
		Bottom Edge 10mm	0.009	0.018	0.020	0.065	0.027	0.023	0.007	0.027	0.074	0.043	0.052
WCDMA B2	Ant.4	Front Side 10mm	0.177	0.289	0.108	0.353	0.239	0.190	0.054	0.466	0.530	0.470	0.475
		Back Side 10mm	0.183	0.306	0.114	0.383	0.195	0.155	0.095	0.489	0.566	0.473	0.452
		Left Edge10mm	0.005	0.081	0.030	0.715	0.401	0.318	0.036	0.086	0.720	0.442	0.353
		Right Edge 10mm	0.079	0.545	0.203	0.065	0.057	0.046	0.011	0.624	0.144	0.147	0.328
		Top Edge 10mm	0.023	0.240	0.089	0.393	0.249	0.197	0.099	0.263	0.416	0.371	0.309
		Bottom Edge 10mm	0.319	0.018	0.020	0.065	0.027	0.023	0.007	0.337	0.384	0.353	0.362
WCDMA B2	Ant.5	Front Side 10mm	0.091	0.289	0.108	0.353	0.239	0.190	0.054	0.380	0.444	0.384	0.389
		Back Side 10mm	0.142	0.306	0.114	0.383	0.195	0.155	0.095	0.448	0.525	0.432	0.411
		Left Edge10mm	0.006	0.081	0.030	0.715	0.401	0.318	0.036	0.087	0.721	0.443	0.354
		Right Edge 10mm	0.197	0.545	0.203	0.065	0.057	0.046	0.011	0.742	0.262	0.265	0.446
		Top Edge 10mm	0.018	0.240	0.089	0.393	0.249	0.197	0.099	0.258	0.411	0.366	0.304
		Bottom Edge 10mm	0.004	0.018	0.020	0.065	0.027	0.023	0.007	0.022	0.069	0.038	0.047
WCDMA B4	Ant.3	Front Side 10mm	0.132	0.289	0.108	0.353	0.239	0.190	0.054	0.421	0.485	0.425	0.430
		Back Side 10mm	0.157	0.306	0.114	0.383	0.195	0.155	0.095	0.463	0.540	0.447	0.426
		Left Edge10mm	0.021	0.081	0.030	0.715	0.401	0.318	0.036	0.102	0.736	0.458	0.369
		Right Edge 10mm	0.062	0.545	0.203	0.065	0.057	0.046	0.011	0.607	0.127	0.130	0.311

		Top Edge 10mm	0.325	0.240	0.089	0.393	0.249	0.197	0.099	0.565	0.718	0.673	0.611
		Bottom Edge 10mm	0.004	0.018	0.020	0.065	0.027	0.023	0.007	0.022	0.069	0.038	0.047
WCDMA B4	Ant.4	Front Side 10mm	0.171	0.289	0.108	0.353	0.239	0.190	0.054	0.460	0.524	0.464	0.469
		Back Side 10mm	0.216	0.306	0.114	0.383	0.195	0.155	0.095	0.522	0.599	0.506	0.485
		Left Edge10mm	0.050	0.081	0.030	0.715	0.401	0.318	0.036	0.131	0.765	0.487	0.398
		Right Edge 10mm	0.060	0.545	0.203	0.065	0.057	0.046	0.011	0.605	0.125	0.128	0.309
		Top Edge 10mm	0.010	0.240	0.089	0.393	0.249	0.197	0.099	0.250	0.403	0.358	0.296
		Bottom Edge 10mm	0.321	0.018	0.020	0.065	0.027	0.023	0.007	0.339	0.386	0.355	0.364
WCDMA B4	Ant.5	Front Side 10mm	0.051	0.289	0.108	0.353	0.239	0.190	0.054	0.340	0.404	0.344	0.349
		Back Side 10mm	0.065	0.306	0.114	0.383	0.195	0.155	0.095	0.371	0.448	0.355	0.334
		Left Edge10mm	0.005	0.081	0.030	0.715	0.401	0.318	0.036	0.086	0.720	0.442	0.353
		Right Edge 10mm	0.104	0.545	0.203	0.065	0.057	0.046	0.011	0.649	0.169	0.172	0.353
		Top Edge 10mm	0.005	0.240	0.089	0.393	0.249	0.197	0.099	0.245	0.398	0.353	0.291
		Bottom Edge 10mm	0.001	0.018	0.020	0.065	0.027	0.023	0.007	0.019	0.066	0.035	0.044
WCDMA B5	Ant.0	Front Side 10mm	0.087	0.289	0.108	0.353	0.239	0.190	0.054	0.376	0.440	0.380	0.385
		Back Side 10mm	0.121	0.306	0.114	0.383	0.195	0.155	0.095	0.427	0.504	0.411	0.390
		Left Edge10mm	0.066	0.081	0.030	0.715	0.401	0.318	0.036	0.147	0.781	0.503	0.414
		Right Edge 10mm	0.033	0.545	0.203	0.065	0.057	0.046	0.011	0.578	0.098	0.101	0.282
		Top Edge 10mm	0.001	0.240	0.089	0.393	0.249	0.197	0.099	0.241	0.394	0.349	0.287

		Bottom Edge 10mm	0.062	0.018	0.020	0.065	0.027	0.023	0.007	0.080	0.127	0.096	0.105
WCDMA B5	Ant.1	Front Side 10mm	0.051	0.289	0.108	0.353	0.239	0.190	0.054	0.340	0.404	0.344	0.349
		Back Side 10mm	0.081	0.306	0.114	0.383	0.195	0.155	0.095	0.387	0.464	0.371	0.350
		Left Edge10mm	0.008	0.081	0.030	0.715	0.401	0.318	0.036	0.089	0.723	0.445	0.356
		Right Edge 10mm	0.015	0.545	0.203	0.065	0.057	0.046	0.011	0.560	0.080	0.083	0.264
		Top Edge 10mm	0.051	0.240	0.089	0.393	0.249	0.197	0.099	0.291	0.444	0.399	0.337
		Bottom Edge 10mm	0.003	0.018	0.020	0.065	0.027	0.023	0.007	0.021	0.068	0.037	0.046
LTE B2	Ant.3	Front Side 10mm	0.172	0.289	0.108	0.353	0.239	0.190	0.054	0.461	0.525	0.465	0.470
		Back Side 10mm	0.229	0.306	0.114	0.383	0.195	0.155	0.095	0.535	0.612	0.519	0.498
		Left Edge10mm	0.034	0.081	0.030	0.715	0.401	0.318	0.036	0.115	0.749	0.471	0.382
		Right Edge 10mm	0.154	0.545	0.203	0.065	0.057	0.046	0.011	0.699	0.219	0.222	0.403
		Top Edge 10mm	0.394	0.240	0.089	0.393	0.249	0.197	0.099	0.634	0.787	0.742	0.680
		Bottom Edge 10mm	0.017	0.018	0.020	0.065	0.027	0.023	0.007	0.035	0.082	0.051	0.060
LTE B2	Ant.4	Front Side 10mm	0.118	0.289	0.108	0.353	0.239	0.190	0.054	0.407	0.471	0.411	0.416
		Back Side 10mm	0.219	0.306	0.114	0.383	0.195	0.155	0.095	0.525	0.602	0.509	0.488
		Left Edge10mm	0.029	0.081	0.030	0.715	0.401	0.318	0.036	0.110	0.744	0.466	0.377
		Right Edge 10mm	0.053	0.545	0.203	0.065	0.057	0.046	0.011	0.598	0.118	0.121	0.302
		Top Edge 10mm	0.014	0.240	0.089	0.393	0.249	0.197	0.099	0.254	0.407	0.362	0.300
		Bottom Edge 10mm	0.413	0.018	0.020	0.065	0.027	0.023	0.007	0.431	0.478	0.447	0.456

LTE B2	Ant.5	Front Side 10mm	0.086	0.289	0.108	0.353	0.239	0.190	0.054	0.375	0.439	0.379	0.384
		Back Side 10mm	0.138	0.306	0.114	0.383	0.195	0.155	0.095	0.444	0.521	0.428	0.407
		Left Edge10mm	0.025	0.081	0.030	0.715	0.401	0.318	0.036	0.106	0.740	0.462	0.373
		Right Edge 10mm	0.229	0.545	0.203	0.065	0.057	0.046	0.011	0.774	0.294	0.297	0.478
		Top Edge 10mm	0.019	0.240	0.089	0.393	0.249	0.197	0.099	0.259	0.412	0.367	0.305
		Bottom Edge 10mm	0.009	0.018	0.020	0.065	0.027	0.023	0.007	0.027	0.074	0.043	0.052
LTE B4	Ant.3	Front Side 10mm	0.187	0.289	0.108	0.353	0.239	0.190	0.054	0.476	0.540	0.480	0.485
		Back Side 10mm	0.223	0.306	0.114	0.383	0.195	0.155	0.095	0.529	0.606	0.513	0.492
		Left Edge10mm	0.028	0.081	0.030	0.715	0.401	0.318	0.036	0.109	0.743	0.465	0.376
		Right Edge 10mm	0.080	0.545	0.203	0.065	0.057	0.046	0.011	0.625	0.145	0.148	0.329
		Top Edge 10mm	0.506	0.240	0.089	0.393	0.249	0.197	0.099	0.746	0.899	0.854	0.792
		Bottom Edge 10mm	0.016	0.018	0.020	0.065	0.027	0.023	0.007	0.034	0.081	0.050	0.059
LTE B4	Ant.4	Front Side 10mm	0.163	0.289	0.108	0.353	0.239	0.190	0.054	0.452	0.516	0.456	0.461
		Back Side 10mm	0.230	0.306	0.114	0.383	0.195	0.155	0.095	0.536	0.613	0.520	0.499
		Left Edge10mm	0.043	0.081	0.030	0.715	0.401	0.318	0.036	0.124	0.758	0.480	0.391
		Right Edge 10mm	0.057	0.545	0.203	0.065	0.057	0.046	0.011	0.602	0.122	0.125	0.306
		Top Edge 10mm	0.020	0.240	0.089	0.393	0.249	0.197	0.099	0.260	0.413	0.368	0.306
		Bottom Edge 10mm	0.293	0.018	0.020	0.065	0.027	0.023	0.007	0.311	0.358	0.327	0.336
LTE B4	Ant.5	Front Side 10mm	0.085	0.289	0.108	0.353	0.239	0.190	0.054	0.374	0.438	0.378	0.383

		Back Side 10mm	0.143	0.306	0.114	0.383	0.195	0.155	0.095	0.449	0.526	0.433	0.412
		Left Edge10mm	0.009	0.081	0.030	0.715	0.401	0.318	0.036	0.090	0.724	0.446	0.357
		Right Edge 10mm	0.199	0.545	0.203	0.065	0.057	0.046	0.011	0.744	0.264	0.267	0.448
		Top Edge 10mm	0.024	0.240	0.089	0.393	0.249	0.197	0.099	0.264	0.417	0.372	0.310
		Bottom Edge 10mm	0.008	0.018	0.020	0.065	0.027	0.023	0.007	0.026	0.073	0.042	0.051
LTE B5	Ant.0	Front Side 10mm	0.169	0.289	0.108	0.353	0.239	0.190	0.054	0.458	0.522	0.462	0.467
		Back Side 10mm	0.209	0.306	0.114	0.383	0.195	0.155	0.095	0.515	0.592	0.499	0.478
		Left Edge10mm	0.155	0.081	0.030	0.715	0.401	0.318	0.036	0.236	0.870	0.592	0.503
		Right Edge 10mm	0.068	0.545	0.203	0.065	0.057	0.046	0.011	0.613	0.133	0.136	0.317
		Top Edge 10mm	0.014	0.240	0.089	0.393	0.249	0.197	0.099	0.254	0.407	0.362	0.300
		Bottom Edge 10mm	0.115	0.018	0.020	0.065	0.027	0.023	0.007	0.133	0.180	0.149	0.158
LTE B5	Ant.1	Front Side 10mm	0.062	0.289	0.108	0.353	0.239	0.190	0.054	0.351	0.415	0.355	0.360
		Back Side 10mm	0.091	0.306	0.114	0.383	0.195	0.155	0.095	0.397	0.474	0.381	0.360
		Left Edge10mm	0.031	0.081	0.030	0.715	0.401	0.318	0.036	0.112	0.746	0.468	0.379
		Right Edge 10mm	0.056	0.545	0.203	0.065	0.057	0.046	0.011	0.601	0.121	0.124	0.305
		Top Edge 10mm	0.065	0.240	0.089	0.393	0.249	0.197	0.099	0.305	0.458	0.413	0.351
		Bottom Edge 10mm	0.013	0.018	0.020	0.065	0.027	0.023	0.007	0.031	0.078	0.047	0.056
LTE B7	Ant.3	Front Side 10mm	0.180	0.289	0.108	0.353	0.239	0.190	0.054	0.469	0.533	0.473	0.478
		Back Side 10mm	0.242	0.306	0.114	0.383	0.195	0.155	0.095	0.548	0.625	0.532	0.511

		Left Edge10mm	0.061	0.081	0.030	0.715	0.401	0.318	0.036	0.142	0.776	0.498	0.409
		Right Edge 10mm	0.155	0.545	0.203	0.065	0.057	0.046	0.011	0.700	0.220	0.223	0.404
		Top Edge 10mm	0.415	0.240	0.089	0.393	0.249	0.197	0.099	0.655	0.808	0.763	0.701
		Bottom Edge 10mm	0.021	0.018	0.020	0.065	0.027	0.023	0.007	0.039	0.086	0.055	0.064
LTE B7	Ant.4	Front Side 10mm	0.159	0.289	0.108	0.353	0.239	0.190	0.054	0.448	0.512	0.452	0.457
		Back Side 10mm	0.230	0.306	0.114	0.383	0.195	0.155	0.095	0.536	0.613	0.520	0.499
		Left Edge10mm	0.043	0.081	0.030	0.715	0.401	0.318	0.036	0.124	0.758	0.480	0.391
		Right Edge 10mm	0.053	0.545	0.203	0.065	0.057	0.046	0.011	0.598	0.118	0.121	0.302
		Top Edge 10mm	0.007	0.240	0.089	0.393	0.249	0.197	0.099	0.247	0.400	0.355	0.293
		Bottom Edge 10mm	0.387	0.018	0.020	0.065	0.027	0.023	0.007	0.405	0.452	0.421	0.430
LTE B7	Ant.5	Front Side 10mm	0.196	0.289	0.108	0.353	0.239	0.190	0.054	0.485	0.549	0.489	0.494
		Back Side 10mm	0.308	0.306	0.114	0.383	0.195	0.155	0.095	0.614	0.691	0.598	0.577
		Left Edge10mm	0.019	0.081	0.030	0.715	0.401	0.318	0.036	0.100	0.734	0.456	0.367
		Right Edge 10mm	0.286	0.545	0.203	0.065	0.057	0.046	0.011	0.831	0.351	0.354	0.535
		Top Edge 10mm	0.025	0.240	0.089	0.393	0.249	0.197	0.099	0.265	0.418	0.373	0.311
		Bottom Edge 10mm	0.014	0.018	0.020	0.065	0.027	0.023	0.007	0.032	0.079	0.048	0.057
LTE B12	Ant.0	Front Side 10mm	0.200	0.289	0.108	0.353	0.239	0.190	0.054	0.489	0.553	0.493	0.498
		Back Side 10mm	0.225	0.306	0.114	0.383	0.195	0.155	0.095	0.531	0.608	0.515	0.494
		Left Edge10mm	0.204	0.081	0.030	0.715	0.401	0.318	0.036	0.285	0.919	0.641	0.552

		Right Edge 10mm	0.105	0.545	0.203	0.065	0.057	0.046	0.011	0.650	0.170	0.173	0.354
		Top Edge 10mm	0.026	0.240	0.089	0.393	0.249	0.197	0.099	0.266	0.419	0.374	0.312
		Bottom Edge 10mm	0.055	0.018	0.020	0.065	0.027	0.023	0.007	0.073	0.120	0.089	0.098
LTE B12	Ant.1	Front Side 10mm	0.055	0.289	0.108	0.353	0.239	0.190	0.054	0.344	0.408	0.348	0.353
		Back Side 10mm	0.097	0.306	0.114	0.383	0.195	0.155	0.095	0.403	0.480	0.387	0.366
		Left Edge10mm	0.014	0.081	0.030	0.715	0.401	0.318	0.036	0.095	0.729	0.451	0.362
		Right Edge 10mm	0.144	0.545	0.203	0.065	0.057	0.046	0.011	0.689	0.209	0.212	0.393
		Top Edge 10mm	0.065	0.240	0.089	0.393	0.249	0.197	0.099	0.305	0.458	0.413	0.351
		Bottom Edge 10mm	0.007	0.018	0.020	0.065	0.027	0.023	0.007	0.025	0.072	0.041	0.050
LTE B13	Ant.0	Front Side 10mm	0.077	0.289	0.108	0.353	0.239	0.190	0.054	0.366	0.430	0.370	0.375
		Back Side 10mm	0.102	0.306	0.114	0.383	0.195	0.155	0.095	0.408	0.485	0.392	0.371
		Left Edge10mm	0.052	0.081	0.030	0.715	0.401	0.318	0.036	0.133	0.767	0.489	0.400
		Right Edge 10mm	0.014	0.545	0.203	0.065	0.057	0.046	0.011	0.559	0.079	0.082	0.263
		Top Edge 10mm	0.010	0.240	0.089	0.393	0.249	0.197	0.099	0.250	0.403	0.358	0.296
		Bottom Edge 10mm	0.042	0.018	0.020	0.065	0.027	0.023	0.007	0.060	0.107	0.076	0.085
LTE B13	Ant.1	Front Side 10mm	0.071	0.289	0.108	0.353	0.239	0.190	0.054	0.360	0.424	0.364	0.369
		Back Side 10mm	0.092	0.306	0.114	0.383	0.195	0.155	0.095	0.398	0.475	0.382	0.361
		Left Edge10mm	0.014	0.081	0.030	0.715	0.401	0.318	0.036	0.095	0.729	0.451	0.362
		Right Edge 10mm	0.030	0.545	0.203	0.065	0.057	0.046	0.011	0.575	0.095	0.098	0.279

		Top Edge 10mm	0.021	0.240	0.089	0.393	0.249	0.197	0.099	0.261	0.414	0.369	0.307
		Bottom Edge 10mm	0.012	0.018	0.020	0.065	0.027	0.023	0.007	0.030	0.077	0.046	0.055
LTE B17	Ant.0	Front Side 10mm	0.196	0.289	0.108	0.353	0.239	0.190	0.054	0.485	0.549	0.489	0.494
		Back Side 10mm	0.225	0.306	0.114	0.383	0.195	0.155	0.095	0.531	0.608	0.515	0.494
		Left Edge10mm	0.198	0.081	0.030	0.715	0.401	0.318	0.036	0.279	0.913	0.635	0.546
		Right Edge 10mm	0.102	0.545	0.203	0.065	0.057	0.046	0.011	0.647	0.167	0.170	0.351
		Top Edge 10mm	0.028	0.240	0.089	0.393	0.249	0.197	0.099	0.268	0.421	0.376	0.314
		Bottom Edge 10mm	0.102	0.018	0.020	0.065	0.027	0.023	0.007	0.120	0.167	0.136	0.145
LTE B17	Ant.1	Front Side 10mm	0.058	0.289	0.108	0.353	0.239	0.190	0.054	0.347	0.411	0.351	0.356
		Back Side 10mm	0.099	0.306	0.114	0.383	0.195	0.155	0.095	0.405	0.482	0.389	0.368
		Left Edge10mm	0.028	0.081	0.030	0.715	0.401	0.318	0.036	0.109	0.743	0.465	0.376
		Right Edge 10mm	0.136	0.545	0.203	0.065	0.057	0.046	0.011	0.681	0.201	0.204	0.385
		Top Edge 10mm	0.065	0.240	0.089	0.393	0.249	0.197	0.099	0.305	0.458	0.413	0.351
		Bottom Edge 10mm	0.013	0.018	0.020	0.065	0.027	0.023	0.007	0.031	0.078	0.047	0.056
LTE B18	Ant.0	Front Side 10mm	0.178	0.289	0.108	0.353	0.239	0.190	0.054	0.467	0.531	0.471	0.476
		Back Side 10mm	0.223	0.306	0.114	0.383	0.195	0.155	0.095	0.529	0.606	0.513	0.492
		Left Edge10mm	0.166	0.081	0.030	0.715	0.401	0.318	0.036	0.247	0.881	0.603	0.514
		Right Edge 10mm	0.027	0.545	0.203	0.065	0.057	0.046	0.011	0.572	0.092	0.095	0.276
		Top Edge 10mm	0.017	0.240	0.089	0.393	0.249	0.197	0.099	0.257	0.410	0.365	0.303

		Bottom Edge 10mm	0.099	0.018	0.020	0.065	0.027	0.023	0.007	0.117	0.164	0.133	0.142
LTE B18	Ant.1	Front Side 10mm	0.075	0.289	0.108	0.353	0.239	0.190	0.054	0.364	0.428	0.368	0.373
		Back Side 10mm	0.109	0.306	0.114	0.383	0.195	0.155	0.095	0.415	0.492	0.399	0.378
		Left Edge10mm	0.028	0.081	0.030	0.715	0.401	0.318	0.036	0.109	0.743	0.465	0.376
		Right Edge 10mm	0.056	0.545	0.203	0.065	0.057	0.046	0.011	0.601	0.121	0.124	0.305
		Top Edge 10mm	0.085	0.240	0.089	0.393	0.249	0.197	0.099	0.325	0.478	0.433	0.371
		Bottom Edge 10mm	0.016	0.018	0.020	0.065	0.027	0.023	0.007	0.034	0.081	0.050	0.059
LTE B19	Ant.0	Front Side 10mm	0.177	0.289	0.108	0.353	0.239	0.190	0.054	0.466	0.530	0.470	0.475
		Back Side 10mm	0.222	0.306	0.114	0.383	0.195	0.155	0.095	0.528	0.605	0.512	0.491
		Left Edge10mm	0.194	0.081	0.030	0.715	0.401	0.318	0.036	0.275	0.909	0.631	0.542
		Right Edge 10mm	0.026	0.545	0.203	0.065	0.057	0.046	0.011	0.571	0.091	0.094	0.275
		Top Edge 10mm	0.034	0.240	0.089	0.393	0.249	0.197	0.099	0.274	0.427	0.382	0.320
		Bottom Edge 10mm	0.114	0.018	0.020	0.065	0.027	0.023	0.007	0.132	0.179	0.148	0.157
LTE B19	Ant.1	Front Side 10mm	0.060	0.289	0.108	0.353	0.239	0.190	0.054	0.349	0.413	0.353	0.358
		Back Side 10mm	0.089	0.306	0.114	0.383	0.195	0.155	0.095	0.395	0.472	0.379	0.358
		Left Edge10mm	0.026	0.081	0.030	0.715	0.401	0.318	0.036	0.107	0.741	0.463	0.374
		Right Edge 10mm	0.054	0.545	0.203	0.065	0.057	0.046	0.011	0.599	0.119	0.122	0.303
		Top Edge 10mm	0.062	0.240	0.089	0.393	0.249	0.197	0.099	0.302	0.455	0.410	0.348
		Bottom Edge 10mm	0.017	0.018	0.020	0.065	0.027	0.023	0.007	0.035	0.082	0.051	0.060

LTE B26	Ant.0	Front Side 10mm	0.187	0.289	0.108	0.353	0.239	0.190	0.054	0.476	0.540	0.480	0.485
		Back Side 10mm	0.218	0.306	0.114	0.383	0.195	0.155	0.095	0.524	0.601	0.508	0.487
		Left Edge10mm	0.149	0.081	0.030	0.715	0.401	0.318	0.036	0.230	0.864	0.586	0.497
		Right Edge 10mm	0.037	0.545	0.203	0.065	0.057	0.046	0.011	0.582	0.102	0.105	0.286
		Top Edge 10mm	0.022	0.240	0.089	0.393	0.249	0.197	0.099	0.262	0.415	0.370	0.308
		Bottom Edge 10mm	0.119	0.018	0.020	0.065	0.027	0.023	0.007	0.137	0.184	0.153	0.162
LTE B26	Ant.1	Front Side 10mm	0.068	0.289	0.108	0.353	0.239	0.190	0.054	0.357	0.421	0.361	0.366
		Back Side 10mm	0.098	0.306	0.114	0.383	0.195	0.155	0.095	0.404	0.481	0.388	0.367
		Left Edge10mm	0.028	0.081	0.030	0.715	0.401	0.318	0.036	0.109	0.743	0.465	0.376
		Right Edge 10mm	0.007	0.545	0.203	0.065	0.057	0.046	0.011	0.552	0.072	0.075	0.256
		Top Edge 10mm	0.070	0.240	0.089	0.393	0.249	0.197	0.099	0.310	0.463	0.418	0.356
		Bottom Edge 10mm	0.004	0.018	0.020	0.065	0.027	0.023	0.007	0.022	0.069	0.038	0.047
LTE B38	Ant.3	Front Side 10mm	0.250	0.289	0.108	0.353	0.239	0.190	0.054	0.539	0.603	0.543	0.548
		Back Side 10mm	0.305	0.306	0.114	0.383	0.195	0.155	0.095	0.611	0.688	0.595	0.574
		Left Edge10mm	0.037	0.081	0.030	0.715	0.401	0.318	0.036	0.118	0.752	0.474	0.385
		Right Edge 10mm	0.114	0.545	0.203	0.065	0.057	0.046	0.011	0.659	0.179	0.182	0.363
		Top Edge 10mm	0.321	0.240	0.089	0.393	0.249	0.197	0.099	0.561	0.714	0.669	0.607
		Bottom Edge 10mm	0.021	0.018	0.020	0.065	0.027	0.023	0.007	0.039	0.086	0.055	0.064
LTE B38	Ant.4	Front Side 10mm	0.154	0.289	0.108	0.353	0.239	0.190	0.054	0.443	0.507	0.447	0.452

		Back Side 10mm	0.215	0.306	0.114	0.383	0.195	0.155	0.095	0.521	0.598	0.505	0.484
		Left Edge10mm	0.039	0.081	0.030	0.715	0.401	0.318	0.036	0.120	0.754	0.476	0.387
		Right Edge 10mm	0.062	0.545	0.203	0.065	0.057	0.046	0.011	0.607	0.127	0.130	0.311
		Top Edge 10mm	0.019	0.240	0.089	0.393	0.249	0.197	0.099	0.259	0.412	0.367	0.305
		Bottom Edge 10mm	0.360	0.018	0.020	0.065	0.027	0.023	0.007	0.378	0.425	0.394	0.403
LTE B38	Ant.5	Front Side 10mm	0.163	0.289	0.108	0.353	0.239	0.190	0.054	0.452	0.516	0.456	0.461
		Back Side 10mm	0.242	0.306	0.114	0.383	0.195	0.155	0.095	0.548	0.625	0.532	0.511
		Left Edge10mm	0.016	0.081	0.030	0.715	0.401	0.318	0.036	0.097	0.731	0.453	0.364
		Right Edge 10mm	0.271	0.545	0.203	0.065	0.057	0.046	0.011	0.816	0.336	0.339	0.520
		Top Edge 10mm	0.004	0.240	0.089	0.393	0.249	0.197	0.099	0.244	0.397	0.352	0.290
		Bottom Edge 10mm	0.002	0.018	0.020	0.065	0.027	0.023	0.007	0.020	0.067	0.036	0.045
LTE B41	Ant.3	Front Side 10mm	0.282	0.289	0.108	0.353	0.239	0.190	0.054	0.571	0.635	0.575	0.580
		Back Side 10mm	0.335	0.306	0.114	0.383	0.195	0.155	0.095	0.641	0.718	0.625	0.604
		Left Edge10mm	0.051	0.081	0.030	0.715	0.401	0.318	0.036	0.132	0.766	0.488	0.399
		Right Edge 10mm	0.164	0.545	0.203	0.065	0.057	0.046	0.011	0.709	0.229	0.232	0.413
		Top Edge 10mm	0.456	0.240	0.089	0.393	0.249	0.197	0.099	0.696	0.849	0.804	0.742
		Bottom Edge 10mm	0.022	0.018	0.020	0.065	0.027	0.023	0.007	0.040	0.087	0.056	0.065
LTE B41	Ant.4	Front Side 10mm	0.202	0.289	0.108	0.353	0.239	0.190	0.054	0.491	0.555	0.495	0.500
		Back Side 10mm	0.251	0.306	0.114	0.383	0.195	0.155	0.095	0.557	0.634	0.541	0.520

		Left Edge10mm	0.048	0.081	0.030	0.715	0.401	0.318	0.036	0.129	0.763	0.485	0.396
		Right Edge 10mm	0.074	0.545	0.203	0.065	0.057	0.046	0.011	0.619	0.139	0.142	0.323
		Top Edge 10mm	0.007	0.240	0.089	0.393	0.249	0.197	0.099	0.247	0.400	0.355	0.293
		Bottom Edge 10mm	0.472	0.018	0.020	0.065	0.027	0.023	0.007	0.490	0.537	0.506	0.515
LTE B41	Ant.5	Front Side 10mm	0.260	0.289	0.108	0.353	0.239	0.190	0.054	0.549	0.613	0.553	0.558
		Back Side 10mm	0.338	0.306	0.114	0.383	0.195	0.155	0.095	0.644	0.721	0.628	0.607
		Left Edge10mm	0.010	0.081	0.030	0.715	0.401	0.318	0.036	0.091	0.725	0.447	0.358
		Right Edge 10mm	0.432	0.545	0.203	0.065	0.057	0.046	0.011	0.977	0.497	0.500	0.681
		Top Edge 10mm	0.054	0.240	0.089	0.393	0.249	0.197	0.099	0.294	0.447	0.402	0.340
		Bottom Edge 10mm	0.005	0.018	0.020	0.065	0.027	0.023	0.007	0.023	0.070	0.039	0.048
LTE B66	Ant.3	Front Side 10mm	0.150	0.289	0.108	0.353	0.239	0.190	0.054	0.439	0.503	0.443	0.448
		Back Side 10mm	0.191	0.306	0.114	0.383	0.195	0.155	0.095	0.497	0.574	0.481	0.460
		Left Edge10mm	0.026	0.081	0.030	0.715	0.401	0.318	0.036	0.107	0.741	0.463	0.374
		Right Edge 10mm	0.059	0.545	0.203	0.065	0.057	0.046	0.011	0.604	0.124	0.127	0.308
		Top Edge 10mm	0.379	0.240	0.089	0.393	0.249	0.197	0.099	0.619	0.772	0.727	0.665
		Bottom Edge 10mm	0.015	0.018	0.020	0.065	0.027	0.023	0.007	0.033	0.080	0.049	0.058
LTE B66	Ant.4	Front Side 10mm	0.196	0.289	0.108	0.353	0.239	0.190	0.054	0.485	0.549	0.489	0.494
		Back Side 10mm	0.212	0.306	0.114	0.383	0.195	0.155	0.095	0.518	0.595	0.502	0.481
		Left Edge10mm	0.036	0.081	0.030	0.715	0.401	0.318	0.036	0.117	0.751	0.473	0.384

		Right Edge 10mm	0.048	0.545	0.203	0.065	0.057	0.046	0.011	0.593	0.113	0.116	0.297
		Top Edge 10mm	0.013	0.240	0.089	0.393	0.249	0.197	0.099	0.253	0.406	0.361	0.299
		Bottom Edge 10mm	0.317	0.018	0.020	0.065	0.027	0.023	0.007	0.335	0.382	0.351	0.360
LTE B66	Ant.5	Front Side 10mm	0.109	0.289	0.108	0.353	0.239	0.190	0.054	0.398	0.462	0.402	0.407
		Back Side 10mm	0.145	0.306	0.114	0.383	0.195	0.155	0.095	0.451	0.528	0.435	0.414
		Left Edge10mm	0.014	0.081	0.030	0.715	0.401	0.318	0.036	0.095	0.729	0.451	0.362
		Right Edge 10mm	0.242	0.545	0.203	0.065	0.057	0.046	0.011	0.787	0.307	0.310	0.491
		Top Edge 10mm	0.016	0.240	0.089	0.393	0.249	0.197	0.099	0.256	0.409	0.364	0.302
		Bottom Edge 10mm	0.008	0.018	0.020	0.065	0.027	0.023	0.007	0.026	0.073	0.042	0.051
N5	Ant.0	Front Side 10mm	0.198	0.289	0.108	0.353	0.239	0.190	0.054	0.487	0.551	0.491	0.496
		Back Side 10mm	0.212	0.306	0.114	0.383	0.195	0.155	0.095	0.518	0.595	0.502	0.481
		Left Edge10mm	0.205	0.081	0.030	0.715	0.401	0.318	0.036	0.286	0.920	0.642	0.553
		Right Edge 10mm	0.056	0.545	0.203	0.065	0.057	0.046	0.011	0.601	0.121	0.124	0.305
		Top Edge 10mm	0.023	0.240	0.089	0.393	0.249	0.197	0.099	0.263	0.416	0.371	0.309
		Bottom Edge 10mm	0.124	0.018	0.020	0.065	0.027	0.023	0.007	0.142	0.189	0.158	0.167
N5	Ant.1	Front Side 10mm	0.041	0.289	0.108	0.353	0.239	0.190	0.054	0.330	0.394	0.334	0.339
		Back Side 10mm	0.085	0.306	0.114	0.383	0.195	0.155	0.095	0.391	0.468	0.375	0.354
		Left Edge10mm	0.021	0.081	0.030	0.715	0.401	0.318	0.036	0.102	0.736	0.458	0.369
		Right Edge 10mm	0.015	0.545	0.203	0.065	0.057	0.046	0.011	0.560	0.080	0.083	0.264

		Top Edge 10mm	0.057	0.240	0.089	0.393	0.249	0.197	0.099	0.297	0.450	0.405	0.343
		Bottom Edge 10mm	0.008	0.018	0.020	0.065	0.027	0.023	0.007	0.026	0.073	0.042	0.051
N7	Ant.3	Front Side 10mm	0.173	0.289	0.108	0.353	0.239	0.190	0.054	0.462	0.526	0.466	0.471
		Back Side 10mm	0.189	0.306	0.114	0.383	0.195	0.155	0.095	0.495	0.572	0.479	0.458
		Left Edge10mm	0.065	0.081	0.030	0.715	0.401	0.318	0.036	0.146	0.780	0.502	0.413
		Right Edge 10mm	0.092	0.545	0.203	0.065	0.057	0.046	0.011	0.637	0.157	0.160	0.341
		Top Edge 10mm	0.313	0.240	0.089	0.393	0.249	0.197	0.099	0.553	0.706	0.661	0.599
		Bottom Edge 10mm	0.016	0.018	0.020	0.065	0.027	0.023	0.007	0.034	0.081	0.050	0.059
N7	Ant.4	Front Side 10mm	0.209	0.289	0.108	0.353	0.239	0.190	0.054	0.498	0.562	0.502	0.507
		Back Side 10mm	0.277	0.306	0.114	0.383	0.195	0.155	0.095	0.583	0.660	0.567	0.546
		Left Edge10mm	0.015	0.081	0.030	0.715	0.401	0.318	0.036	0.096	0.730	0.452	0.363
		Right Edge 10mm	0.074	0.545	0.203	0.065	0.057	0.046	0.011	0.619	0.139	0.142	0.323
		Top Edge 10mm	0.007	0.240	0.089	0.393	0.249	0.197	0.099	0.247	0.400	0.355	0.293
		Bottom Edge 10mm	0.411	0.018	0.020	0.065	0.027	0.023	0.007	0.429	0.476	0.445	0.454
N7	Ant.5	Front Side 10mm	0.158	0.289	0.108	0.353	0.239	0.190	0.054	0.447	0.511	0.451	0.456
		Back Side 10mm	0.235	0.306	0.114	0.383	0.195	0.155	0.095	0.541	0.618	0.525	0.504
		Left Edge10mm	0.006	0.081	0.030	0.715	0.401	0.318	0.036	0.087	0.721	0.443	0.354
		Right Edge 10mm	0.208	0.545	0.203	0.065	0.057	0.046	0.011	0.753	0.273	0.276	0.457
		Top Edge 10mm	0.024	0.240	0.089	0.393	0.249	0.197	0.099	0.264	0.417	0.372	0.310

		Bottom Edge 10mm	0.003	0.018	0.020	0.065	0.027	0.023	0.007	0.021	0.068	0.037	0.046
N38	Ant.3	Front Side 10mm	0.165	0.289	0.108	0.353	0.239	0.190	0.054	0.454	0.518	0.458	0.463
		Back Side 10mm	0.196	0.306	0.114	0.383	0.195	0.155	0.095	0.502	0.579	0.486	0.465
		Left Edge10mm	0.045	0.081	0.030	0.715	0.401	0.318	0.036	0.126	0.760	0.482	0.393
		Right Edge 10mm	0.070	0.545	0.203	0.065	0.057	0.046	0.011	0.615	0.135	0.138	0.319
		Top Edge 10mm	0.310	0.240	0.089	0.393	0.249	0.197	0.099	0.550	0.703	0.658	0.596
		Bottom Edge 10mm	0.016	0.018	0.020	0.065	0.027	0.023	0.007	0.034	0.081	0.050	0.059
N38	Ant.4	Front Side 10mm	0.195	0.289	0.108	0.353	0.239	0.190	0.054	0.484	0.548	0.488	0.493
		Back Side 10mm	0.240	0.306	0.114	0.383	0.195	0.155	0.095	0.546	0.623	0.530	0.509
		Left Edge10mm	0.016	0.081	0.030	0.715	0.401	0.318	0.036	0.097	0.731	0.453	0.364
		Right Edge 10mm	0.090	0.545	0.203	0.065	0.057	0.046	0.011	0.635	0.155	0.158	0.339
		Top Edge 10mm	0.017	0.240	0.089	0.393	0.249	0.197	0.099	0.257	0.410	0.365	0.303
		Bottom Edge 10mm	0.305	0.018	0.020	0.065	0.027	0.023	0.007	0.323	0.370	0.339	0.348
N38	Ant.5	Front Side 10mm	0.091	0.289	0.108	0.353	0.239	0.190	0.054	0.380	0.444	0.384	0.389
		Back Side 10mm	0.179	0.306	0.114	0.383	0.195	0.155	0.095	0.485	0.562	0.469	0.448
		Left Edge10mm	0.005	0.081	0.030	0.715	0.401	0.318	0.036	0.086	0.720	0.442	0.353
		Right Edge 10mm	0.188	0.545	0.203	0.065	0.057	0.046	0.011	0.733	0.253	0.256	0.437
		Top Edge 10mm	0.019	0.240	0.089	0.393	0.249	0.197	0.099	0.259	0.412	0.367	0.305
		Bottom Edge 10mm	0.003	0.018	0.020	0.065	0.027	0.023	0.007	0.021	0.068	0.037	0.046

N41	Ant.3	Front Side 10mm	0.039	0.289	0.108	0.353	0.239	0.190	0.054	0.328	0.392	0.332	0.337
		Back Side 10mm	0.049	0.306	0.114	0.383	0.195	0.155	0.095	0.355	0.432	0.339	0.318
		Left Edge10mm	0.017	0.081	0.030	0.715	0.401	0.318	0.036	0.098	0.732	0.454	0.365
		Right Edge 10mm	0.023	0.545	0.203	0.065	0.057	0.046	0.011	0.568	0.088	0.091	0.272
		Top Edge 10mm	0.069	0.240	0.089	0.393	0.249	0.197	0.099	0.309	0.462	0.417	0.355
		Bottom Edge 10mm	0.006	0.018	0.020	0.065	0.027	0.023	0.007	0.024	0.071	0.040	0.049
N41	Ant.4	Front Side 10mm	0.153	0.289	0.108	0.353	0.239	0.190	0.054	0.442	0.506	0.446	0.451
		Back Side 10mm	0.227	0.306	0.114	0.383	0.195	0.155	0.095	0.533	0.610	0.517	0.496
		Left Edge10mm	0.017	0.081	0.030	0.715	0.401	0.318	0.036	0.098	0.732	0.454	0.365
		Right Edge 10mm	0.057	0.545	0.203	0.065	0.057	0.046	0.011	0.602	0.122	0.125	0.306
		Top Edge 10mm	0.022	0.240	0.089	0.393	0.249	0.197	0.099	0.262	0.415	0.370	0.308
		Bottom Edge 10mm	0.240	0.018	0.020	0.065	0.027	0.023	0.007	0.258	0.305	0.274	0.283
N41	Ant.5	Front Side 10mm	0.154	0.289	0.108	0.353	0.239	0.190	0.054	0.443	0.507	0.447	0.452
		Back Side 10mm	0.225	0.306	0.114	0.383	0.195	0.155	0.095	0.531	0.608	0.515	0.494
		Left Edge10mm	0.055	0.081	0.030	0.715	0.401	0.318	0.036	0.136	0.770	0.492	0.403
		Right Edge 10mm	0.082	0.545	0.203	0.065	0.057	0.046	0.011	0.627	0.147	0.150	0.331
		Top Edge 10mm	0.310	0.240	0.089	0.393	0.249	0.197	0.099	0.550	0.703	0.658	0.596
		Bottom Edge 10mm	0.013	0.018	0.020	0.065	0.027	0.023	0.007	0.031	0.078	0.047	0.056
N66	Ant.3	Front Side 10mm	0.129	0.289	0.108	0.353	0.239	0.190	0.054	0.418	0.482	0.422	0.427

		Back Side 10mm	0.186	0.306	0.114	0.383	0.195	0.155	0.095	0.492	0.569	0.476	0.455
		Left Edge10mm	0.016	0.081	0.030	0.715	0.401	0.318	0.036	0.097	0.731	0.453	0.364
		Right Edge 10mm	0.067	0.545	0.203	0.065	0.057	0.046	0.011	0.612	0.132	0.135	0.316
		Top Edge 10mm	0.288	0.240	0.089	0.393	0.249	0.197	0.099	0.528	0.681	0.636	0.574
		Bottom Edge 10mm	0.013	0.018	0.020	0.065	0.027	0.023	0.007	0.031	0.078	0.047	0.056
N66	Ant.4	Front Side 10mm	0.245	0.289	0.108	0.353	0.239	0.190	0.054	0.534	0.598	0.538	0.543
		Back Side 10mm	0.335	0.306	0.114	0.383	0.195	0.155	0.095	0.641	0.718	0.625	0.604
		Left Edge10mm	0.012	0.081	0.030	0.715	0.401	0.318	0.036	0.093	0.727	0.449	0.360
		Right Edge 10mm	0.078	0.545	0.203	0.065	0.057	0.046	0.011	0.623	0.143	0.146	0.327
		Top Edge 10mm	0.017	0.240	0.089	0.393	0.249	0.197	0.099	0.257	0.410	0.365	0.303
		Bottom Edge 10mm	0.279	0.018	0.020	0.065	0.027	0.023	0.007	0.297	0.344	0.313	0.322
N66	Ant.5	Front Side 10mm	0.150	0.289	0.108	0.353	0.239	0.190	0.054	0.439	0.503	0.443	0.448
		Back Side 10mm	0.255	0.306	0.114	0.383	0.195	0.155	0.095	0.561	0.638	0.545	0.524
		Left Edge10mm	0.026	0.081	0.030	0.715	0.401	0.318	0.036	0.107	0.741	0.463	0.374
		Right Edge 10mm	0.353	0.545	0.203	0.065	0.057	0.046	0.011	0.898	0.418	0.421	0.602
		Top Edge 10mm	0.024	0.240	0.089	0.393	0.249	0.197	0.099	0.264	0.417	0.372	0.310
		Bottom Edge 10mm	0.018	0.018	0.020	0.065	0.027	0.023	0.007	0.036	0.083	0.052	0.061

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

13.2.9 Specific Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN

Band	Antenna	Position	Stand alone SAR		SUM SAR
			1	2	
			WWAN	MAX. 5GWIFI	WWAN+WIFI5G 1+2
LTE B2	Ant.4	Bottom Edge 0mm	1.478	0.093	1.571
LTE B7	Ant.3	Top Edge 0mm	1.375	0.954	2.329
LTE B7	Ant.4	Bottom Edge 0mm	1.648	0.093	1.741
LTE B41	Ant.3	Top Edge 0mm	1.662	0.954	2.616
N7	Ant.4	Bottom Edge 0mm	1.708	0.093	1.801
N41	Ant.4	Bottom Edge 0mm	1.487	0.093	1.580
N66	Ant.4	Bottom Edge 0mm	1.529	0.093	1.622

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 10g SAR is 2.616 W/Kg < 4.0 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	3	4	WIFI2.4G+WIFI5G	WIFI5G+BT
	MAX. 2.4GWIFI	Max. 5GWIFI	Max. 5GWIFI	BT		
	LEVEL3	LEVEL2	LEVEL3		1+3	2+4
Left Cheek	0.576	0.344	0.917	0.451	1.493	0.795
Left Tilt	0.466	0.289	0.763	0.360	1.229	0.649
Right Cheek	0.476	0.176	0.462	0.227	0.938	0.403
Right Tilt	0.464	0.185	0.515	0.205	0.979	0.390

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 1.493 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	3		
	MAX. 2.4GWIFI	MAX.5GWIFI	BT	WIFI2.4G+WIFI5G	WIFI5G+BT
	LEVEL8&9	LEVEL8&9		1+2	2+3
Front Side 15mm	0.138	0.308	0.022	0.446	0.330
Back Side 15mm	0.185	0.324	0.049	0.509	0.373

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 0.509 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	3		
	MAX. 2.4GWIFI	MAX.5GWIFI	BT	WIFI2.4G+WIFI5G	WIFI5G+BT
	LEVEL8&9	LEVEL8&9		1+2	2+3
Front Side 10mm	0.357	0.447	0.054	0.804	0.501
Back Side 10mm	0.379	0.486	0.095	0.865	0.581
Left Edge10mm	0.099	0.899	0.036	0.998	0.935
Right Edge 10mm	0.673	0.082	0.011	0.755	0.093
Top Edge 10mm	0.298	0.437	0.099	0.735	0.536
Bottom Edge 10mm	0.006	0.067	0.007	0.073	0.074

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 0.998 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
Data Acquisition Electronicsr	Speag	DAE4	SN: 1454	2022/11/18	2023/11/17
E-Field Probe	Speag	EX3DV4	SN: 7664	2022/09/23	2023/09/22
Data Acquisition Electronicsr	Speag	DAE4	SN: 1710	2023/01/30	2024/01/29
Signal Generator	R&S	SMB100A	177746	2022/05/19	2023/05/18
Signal Generator	R&S	SMB100A	182396	2022/09/06	2023/09/05
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	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
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2022/12/27	2023/12/26
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
Thermometer	Elitech	RC-4HC	EF7225003030	2022/08/31	2023/08/30
Thermometer	Elitech	RC-4HC	EF7225003029	2022/08/31	2023/08/30
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
Phantom	Speag	SAM	SN: 1576	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

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
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 (%)
2023.04.04	Head	750	21.2	0.92	41.05	0.89	41.94	3.37	-2.12
2023.04.05	Head	750	21.4	0.91	41.20	0.89	41.94	2.25	-1.76
2023.04.06	Head	750	21.1	0.88	42.25	0.89	41.94	-1.12	0.74
2023.04.07	Head	835	21.1	0.91	40.93	0.90	41.50	1.11	-1.37
2023.04.08	Head	835	21.1	0.91	42.33	0.90	41.50	1.11	2.00
2023.04.09	Head	835	20.9	0.91	42.50	0.90	41.50	1.11	2.41
2023.04.10	Head	835	21.2	0.88	41.49	0.90	41.50	-2.22	-0.02
2023.04.11	Head	835	20.9	0.90	40.62	0.90	41.50	0.00	-2.12
2023.04.12	Head	835	21.1	0.90	40.96	0.90	41.50	0.00	-1.30
2023.04.13	Head	835	21.1	0.91	42.08	0.90	41.50	1.11	1.40
2023.04.14	Head	1750	21.1	1.40	40.12	1.37	40.08	2.19	0.10
2023.04.15	Head	1750	21.3	1.42	39.17	1.37	40.08	3.65	-2.27
2023.04.16	Head	1750	21.4	1.34	39.30	1.37	40.08	-2.19	-1.95
2023.04.17	Head	1750	21.1	1.39	39.57	1.37	40.08	1.46	-1.27
2023.04.18	Head	1750	21.1	1.38	40.49	1.37	40.08	0.73	1.02
2023.04.19	Head	1750	21.3	1.35	39.37	1.37	40.08	-1.46	-1.77
2023.04.20	Head	1750	21.2	1.35	38.89	1.37	40.08	-1.46	-2.97
2023.04.21	Head	1750	21.4	1.36	39.36	1.37	40.08	-0.73	-1.80
2023.04.23	Head	1750	21.2	1.37	39.49	1.37	40.08	0.00	-1.47
2023.04.24	Head	1900	21.4	1.42	39.54	1.40	40.00	1.43	-1.15
2023.04.25	Head	1900	21.2	1.42	39.39	1.40	40.00	1.43	-1.53
2023.04.26	Head	1900	21.0	1.43	38.68	1.40	40.00	2.14	-3.30
2023.04.27	Head	1900	21.2	1.44	39.07	1.40	40.00	2.86	-2.33
2023.04.28	Head	2600	21.2	2.02	38.20	1.96	39.01	3.06	-2.08
2023.04.29	Head	2600	21.3	1.94	37.65	1.96	39.01	-1.02	-3.49
2023.04.30	Head	2600	21.1	1.90	40.22	1.96	39.01	-3.06	3.10
2023.04.27	Head	2600	21.0	2.03	38.01	1.96	39.01	3.57	-2.56
2023.04.28	Head	2600	21.3	2.02	39.02	1.96	39.01	3.06	0.03

2023.04.29	Head	2600	21.3	1.95	38.21	1.96	39.01	-0.51	-2.05
2023.04.04	Head	2600	21.3	2.01	37.70	1.96	39.01	2.55	-3.36
2023.04.05	Head	2600	21.4	2.00	38.71	1.96	39.01	2.04	-0.77
2023.04.06	Head	2600	21.2	2.00	38.27	1.96	39.01	2.04	-1.90
2023.04.07	Head	2600	21.4	2.01	39.40	1.96	39.01	2.55	1.00
2023.04.08	Head	2600	21.2	2.00	37.65	1.96	39.01	2.04	-3.49
2023.04.09	Head	2600	21.4	1.95	38.18	1.96	39.01	-0.51	-2.13
2023.04.10	Head	2600	21.1	1.95	37.93	1.96	39.01	-0.51	-2.77
2023.04.11	Head	2600	21.2	1.99	38.57	1.96	39.01	1.53	-1.13
2023.04.12	Head	2600	21.1	1.97	40.05	1.96	39.01	0.51	2.67
2023.04.13	Head	2600	21.3	1.95	38.33	1.96	39.01	-0.51	-1.74
2023.04.14	Head	2600	21.4	1.99	37.93	1.96	39.01	1.53	-2.77
2023.05.01	Head	5250	21.2	4.54	36.15	4.71	35.93	-3.61	0.61
2023.05.02	Head	5250	21.3	4.84	35.54	4.71	35.93	2.76	-1.09
2023.05.03	Head	5250	21.1	4.68	36.24	4.71	35.93	-0.64	0.86
2023.04.18	Head	5600	21.4	5.08	36.31	5.07	35.53	0.20	2.20
2023.04.19	Head	5600	21.2	4.98	34.90	5.07	35.53	-1.78	-1.77
2023.04.20	Head	5600	21.3	4.93	36.77	5.07	35.53	-2.76	3.49
2023.04.21	Head	5750	21.5	5.19	35.08	5.22	35.36	-0.57	-0.79
2023.04.22	Head	5750	21.2	5.24	34.50	5.22	35.36	0.38	-2.43
2023.04.23	Head	5750	21.4	5.16	35.23	5.22	35.36	-1.15	-0.37
2023.04.24	Head	2450	21.1	1.81	39.66	1.80	39.20	0.56	1.17
2023.04.25	Head	2450	21.2	1.75	39.37	1.80	39.20	-2.78	0.43
2023.04.26	Head	2450	21.4	1.86	38.08	1.80	39.20	3.33	-2.86

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).

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2023.04.04	Head	750	100	0.86	8.61	8.29	3.86
2023.04.05	Head	750	100	0.81	8.06	8.29	-2.77
2023.04.06	Head	750	100	0.84	8.42	8.29	1.57
2023.04.07	Head	835	100	0.92	9.20	9.76	-5.74
2023.04.08	Head	835	100	0.97	9.68	9.76	-0.82
2023.04.09	Head	835	100	0.92	9.23	9.76	-5.43
2023.04.10	Head	835	100	0.93	9.33	9.76	-4.41
2023.04.11	Head	835	100	1.01	10.10	9.76	3.48
2023.04.12	Head	835	100	0.91	9.11	9.76	-6.66
2023.04.13	Head	835	100	0.92	9.23	9.76	-5.43
2023.04.14	Head	1750	100	3.77	37.70	36.7	2.72
2023.04.15	Head	1750	100	3.61	36.10	36.7	-1.63
2023.04.16	Head	1750	100	3.85	38.50	36.7	4.90
2023.04.17	Head	1750	100	3.75	37.50	36.7	2.18
2023.04.18	Head	1750	100	3.77	37.70	36.7	2.72
2023.04.19	Head	1750	100	3.61	36.10	36.7	-1.63
2023.04.20	Head	1750	100	3.76	37.60	36.7	2.45
2023.04.21	Head	1750	100	3.88	38.80	36.7	5.72
2023.04.23	Head	1750	100	3.75	37.50	36.7	2.18
2023.04.24	Head	1900	100	3.94	39.40	40.3	-2.23
2023.04.25	Head	1900	100	4.24	42.40	40.3	5.21
2023.04.26	Head	1900	100	4.17	41.70	40.3	3.47
2023.04.27	Head	1900	100	4.08	40.80	40.3	1.24
2023.04.28	Head	2600	100	5.65	56.50	56.8	-0.53
2023.04.29	Head	2600	100	5.47	54.70	56.8	-3.70
2023.04.30	Head	2600	100	5.59	55.90	56.8	-1.58
2023.04.27	Head	2600	100	5.76	57.60	56.8	1.41
2023.04.28	Head	2600	100	5.57	55.70	56.8	-1.94
2023.04.29	Head	2600	100	5.42	54.20	56.8	-4.58
2023.04.04	Head	2600	100	5.91	59.10	56.8	4.05

2023.04.05	Head	2600	100	5.97	59.70	56.8	5.11
2023.04.06	Head	2600	100	6.05	60.50	56.8	6.51
2023.04.07	Head	2600	100	5.68	56.80	56.8	0.00
2023.04.08	Head	2600	100	5.72	57.20	56.8	0.70
2023.04.09	Head	2600	100	5.77	57.70	56.8	1.58
2023.04.10	Head	2600	100	5.66	56.60	56.8	-0.35
2023.04.12	Head	2600	100	5.71	57.10	56.8	0.53
2023.04.13	Head	2600	100	5.82	58.20	56.8	2.46
2023.04.14	Head	2600	100	5.73	57.30	56.8	0.88
2023.05.01	Head	5250	100	7.97	79.70	77.8	2.44
2023.05.02	Head	5250	100	7.51	75.10	77.8	-3.47
2023.05.03	Head	5250	100	7.66	76.60	77.8	-1.54
2023.04.18	Head	5600	100	8.08	80.80	81.2	-0.49
2023.04.19	Head	5600	100	8.43	84.30	81.2	3.82
2023.04.20	Head	5600	100	8.25	82.50	81.2	1.60
2023.04.21	Head	5750	100	8.21	82.10	77.2	6.35
2023.04.22	Head	5750	100	7.88	78.80	77.2	2.07
2023.04.23	Head	5750	100	7.98	79.80	77.2	3.37
2023.04.24	Head	2450	100	5.56	55.60	53	4.91
2023.04.25	Head	2450	100	5.38	53.80	53	1.51
2023.04.26	Head	2450	100	5.42	54.20	53	2.26

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 (%)
2023.04.14	1750	100	2.01	20.10	19.10	5.24
2023.04.15	1750	100	1.87	18.70	19.10	-2.09
2023.04.16	1750	100	2.02	20.20	19.10	5.76
2023.04.17	1750	100	1.98	19.80	19.10	3.66
2023.04.18	1750	100	1.98	19.80	19.10	3.66
2023.04.19	1750	100	1.87	18.70	19.10	-2.09
2023.04.20	1750	100	1.99	19.90	19.10	4.19
2023.04.21	1750	100	2.04	20.40	19.10	6.81
2023.04.23	1750	100	1.95	19.50	19.10	2.09
2023.04.24	1900	100	2.04	20.40	20.30	0.49
2023.04.25	1900	100	2.15	21.50	20.30	5.91
2023.04.26	1900	100	2.14	21.40	20.30	5.42
2023.04.27	1900	100	2.16	21.60	20.30	6.40
2023.04.28	2600	100	2.47	24.70	24.80	-0.40
2023.04.29	2600	100	2.43	24.30	24.80	-2.02
2023.04.30	2600	100	2.38	23.80	24.80	-4.03
2023.04.27	2600	100	2.51	25.10	24.80	1.21
2023.04.28	2600	100	2.43	24.30	24.80	-2.02
2023.04.29	2600	100	2.37	23.70	24.80	-4.44
2023.04.04	2600	100	2.55	25.50	24.80	2.82
2023.04.05	2600	100	2.58	25.80	24.80	4.03
2023.04.06	2600	100	2.62	26.20	24.80	5.65
2023.04.07	2600	100	2.56	25.60	24.80	3.23
2023.04.08	2600	100	2.69	26.90	24.80	8.47
2023.04.09	2600	100	2.67	26.70	24.80	7.66
2023.04.10	2600	100	2.52	25.20	24.80	1.61
2023.04.12	2600	100	2.51	25.10	24.80	1.21
2023.04.13	2600	100	2.57	25.70	24.80	3.63
2023.04.14	2600	100	2.58	25.80	24.80	4.03
2023.05.01	5250	100	2.16	21.60	22.10	-2.26
2023.05.02	5250	100	2.11	21.10	22.10	-4.52
2023.05.03	5250	100	2.28	22.80	22.10	3.17
2023.04.18	5600	100	2.22	22.20	23.10	-3.90
2023.04.19	5600	100	2.38	23.80	23.10	3.03

2023.04.20	5600	100	2.30	23.00	23.10	-0.43
2023.04.21	5750	100	2.22	22.20	21.70	2.30
2023.04.22	5750	100	2.15	21.50	21.70	-0.92
2023.04.23	5750	100	2.22	22.20	21.70	2.30
2023.04.24	2450	100	2.52	25.20	24.10	4.56
2023.04.25	2450	100	2.48	24.80	24.10	2.90
2023.04.26	2450	100	2.51	25.10	24.10	4.15

Note: The tolerance limit of System validation $\pm 10\%$.

System Performance Check Data (750MHz Head)

Date: 2023.04.04

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

Medium parameters used (extrapolated): $f = 750 \text{ MHz}$; $\sigma = 0.917 \text{ S/m}$; $\epsilon_r = 41.054$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.72, 10.72, 10.72); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 750/Area Scan (61x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.907 W/kg

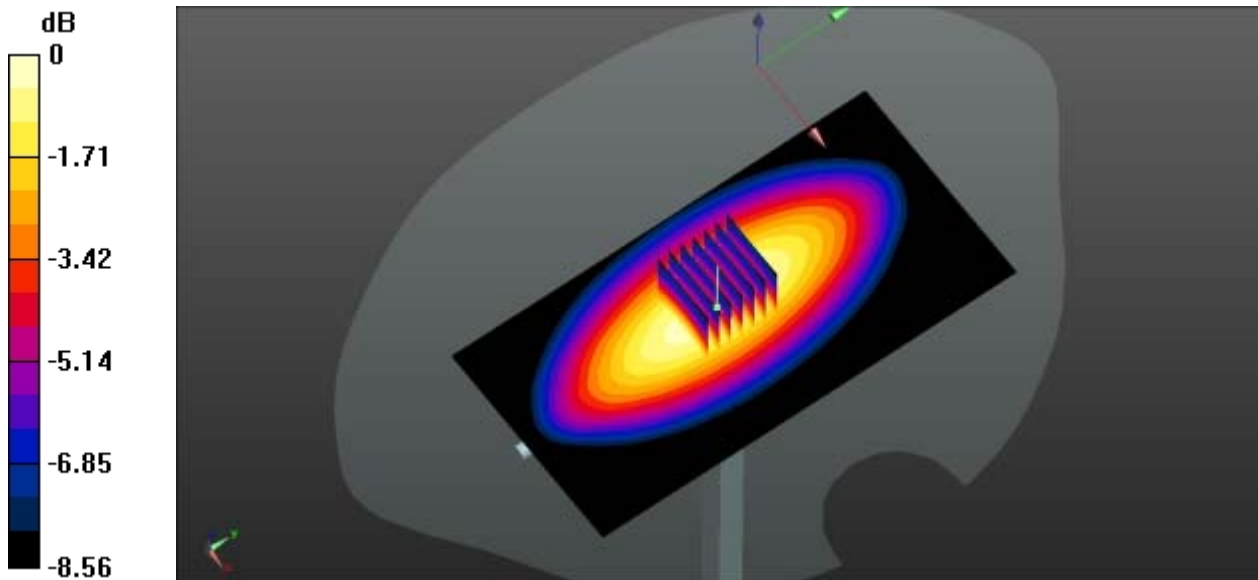
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.18 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.861 W/kg; SAR(10 g) = 0.566 W/kg

Maximum value of SAR (measured) = 0.934 W/kg



0 dB = 0.934 W/kg

System Performance Check Data (750MHz Head)

Date: 2023.04.05

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

Medium parameters used (extrapolated): $f = 750$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 41.198$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.72, 10.72, 10.72); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.862 W/kg

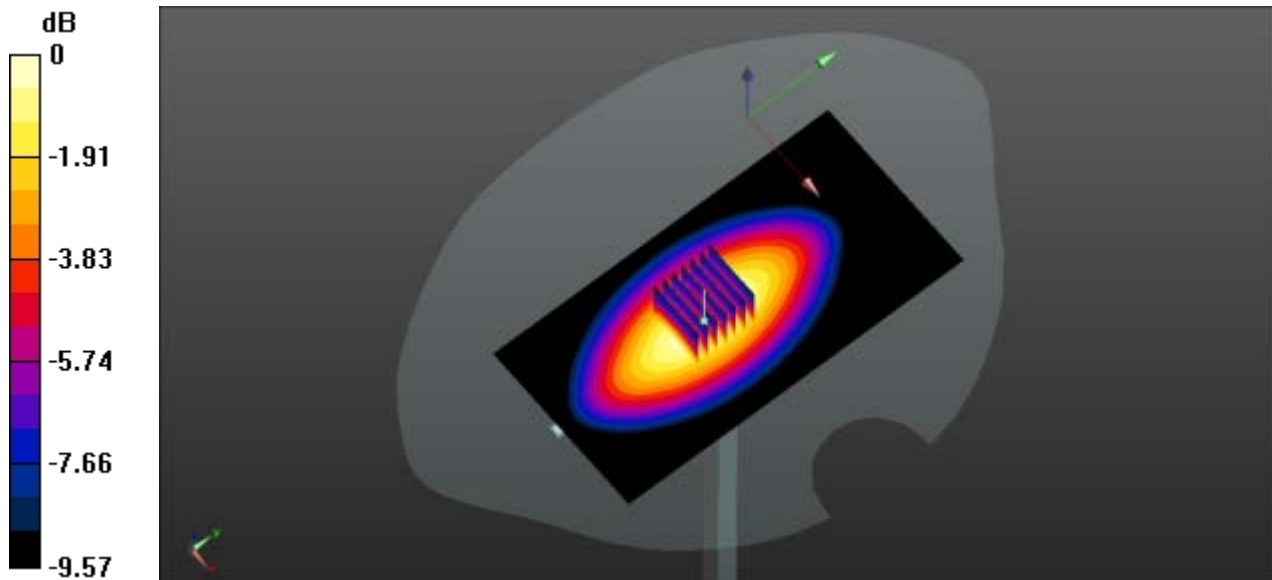
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.53 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.806 W/kg; SAR(10 g) = 0.531 W/kg

Maximum value of SAR (measured) = 0.852 W/kg



0 dB = 0.852 W/kg

System Performance Check Data (750MHz Head)

Date: 2023.04.06

Communication System Band: D835 (750.0 MHz); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 750 \text{ MHz}$; $\sigma = 0.975 \text{ S/m}$; $\epsilon_r = 40.453$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.72, 10.72, 10.72); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 750/Area Scan (61x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.916 W/kg

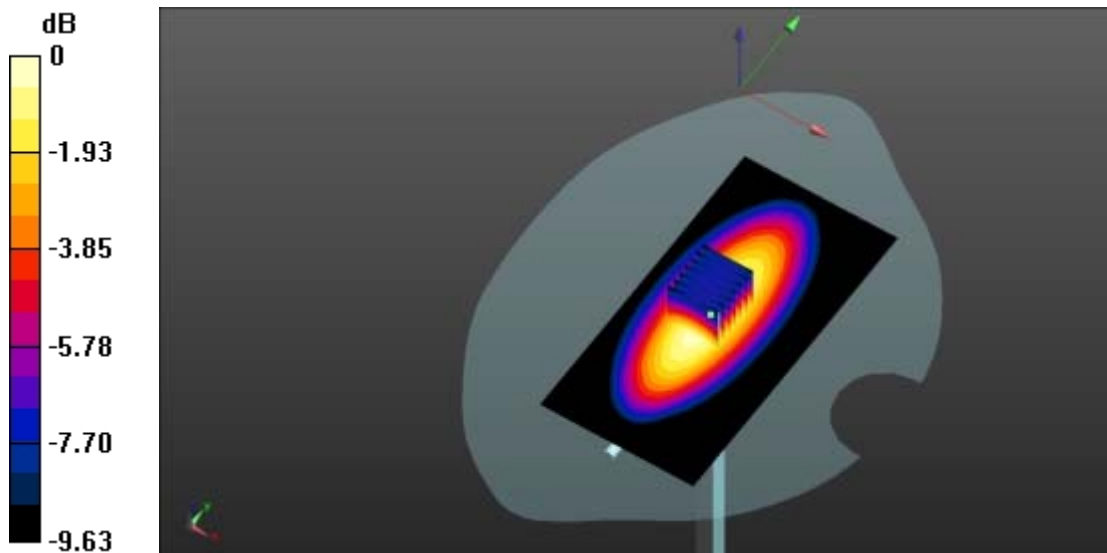
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.62 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.842 W/kg; SAR(10 g) = 0.550 W/kg

Maximum value of SAR (measured) = 0.908 W/kg



0 dB = 0.908 W/kg

System Performance Check Data (835MHz Head)

Date: 2023.04.07

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 40.927$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.921 W/kg

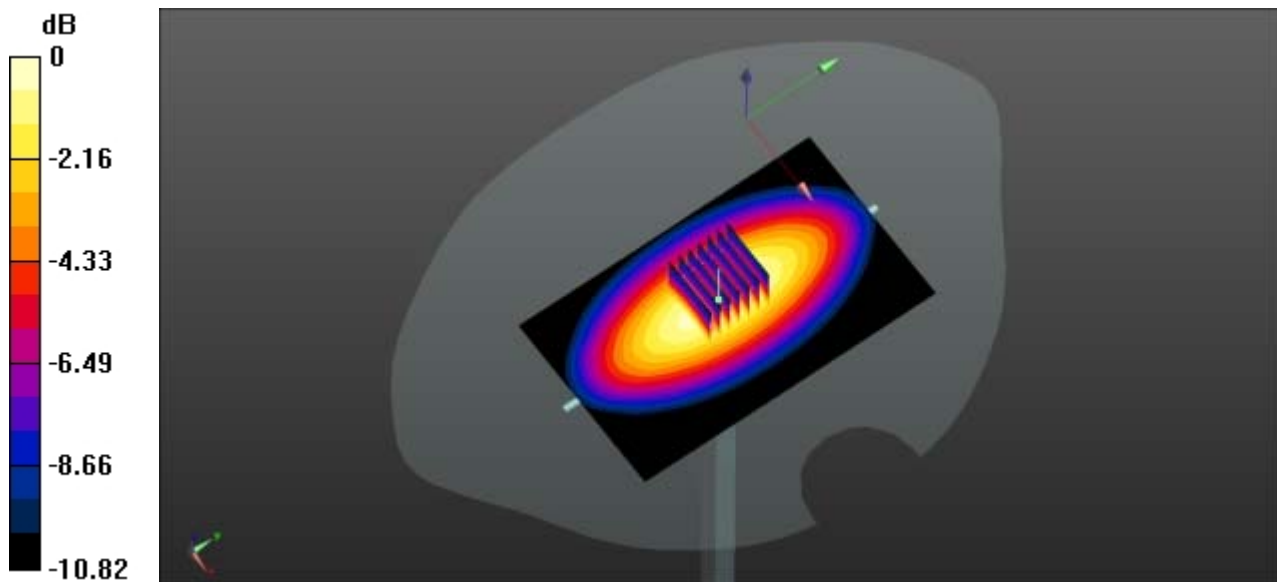
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.81 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.920 W/kg; SAR(10 g) = 0.592 W/kg

Maximum value of SAR (measured) = 0.964 W/kg



0 dB = 0.964 W/kg

System Performance Check Data (835MHz Head)

Date: 2023.04.08

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.909 \text{ S/m}$; $\epsilon_r = 42.334$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

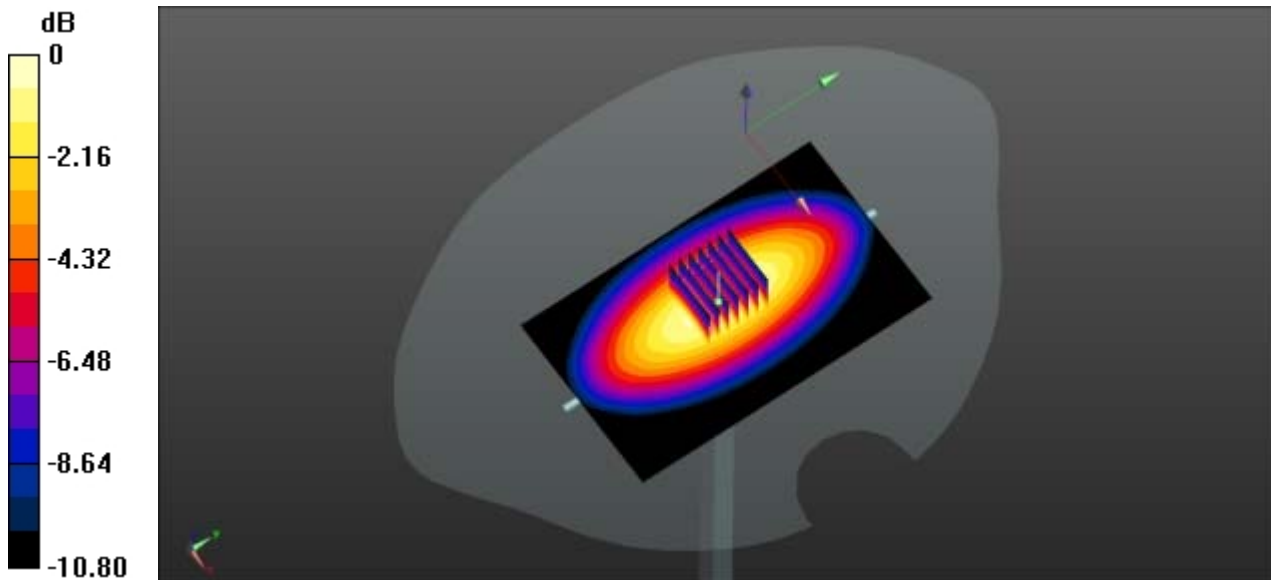
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.62V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.627 W/kg

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



0 dB = 1.05 W/kg

System Performance Check Data (835MHz Head)

Date: 2023.04.09

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.908 \text{ S/m}$; $\epsilon_r = 42.334$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 20.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

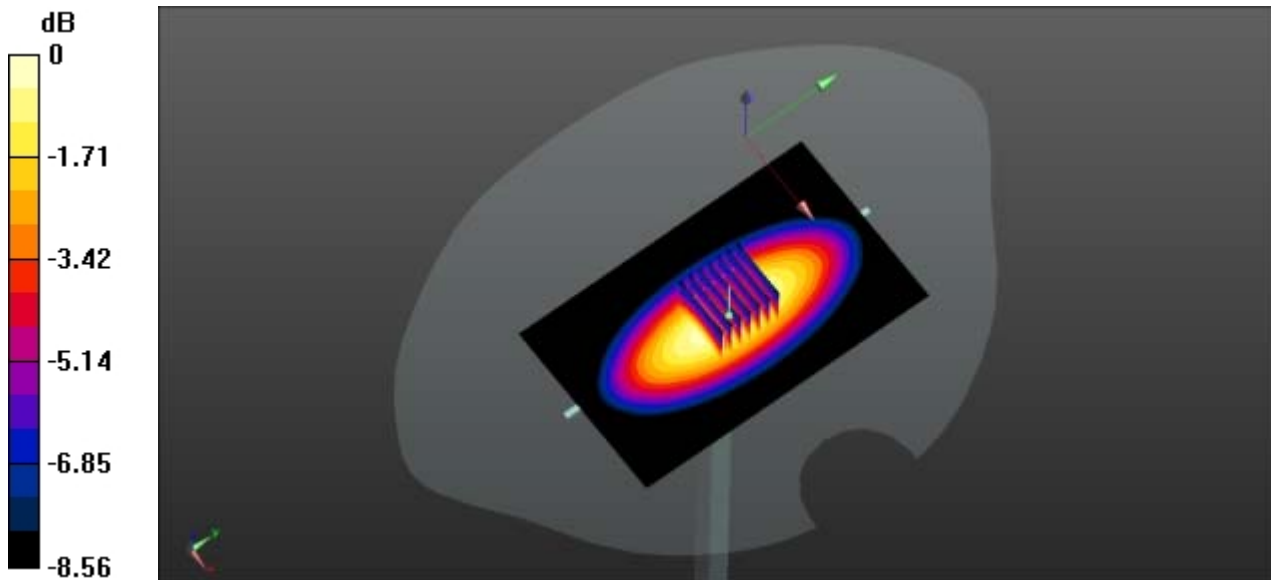
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.04 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.923 W/kg; SAR(10 g) = 0.635 W/kg

Maximum value of SAR (measured) = 0.983 W/kg



0 dB = 0.983 W/kg

System Performance Check Data (835MHz Head)

Date: 2023.04.10

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.876 \text{ S/m}$; $\epsilon_r = 41.488$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

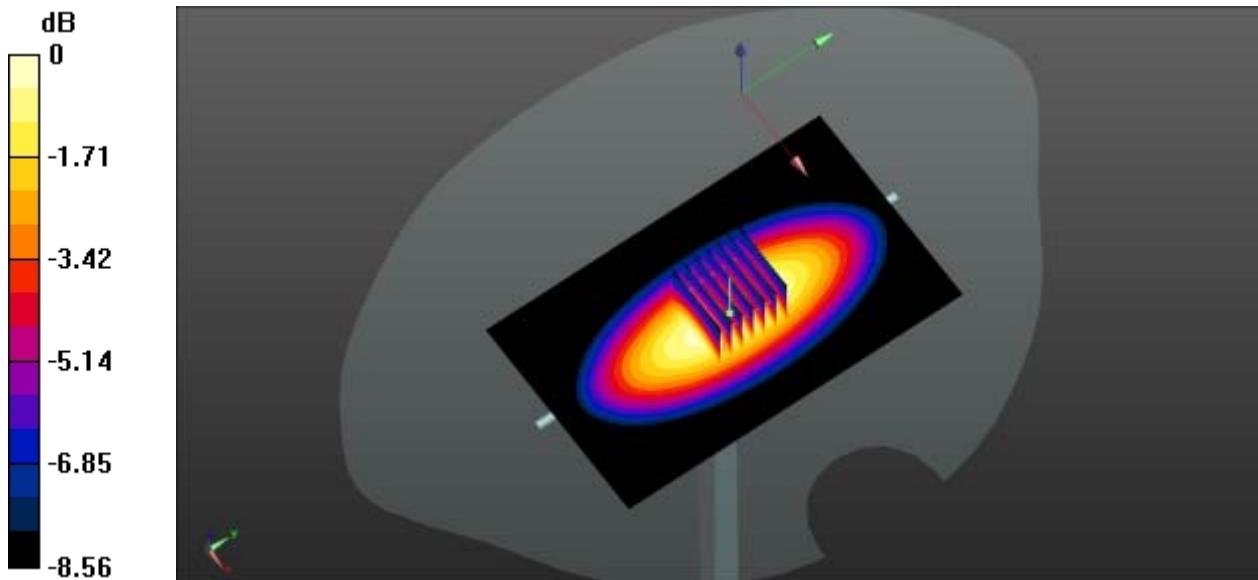
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.04 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.623 W/kg

Maximum value of SAR (measured) = 0.955 W/kg



0 dB = 0.955 W/kg

System Performance Check Data (835MHz Head)

Date: 2023.04.11

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.902 \text{ S/m}$; $\epsilon_r = 40.616$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 20.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x81x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

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

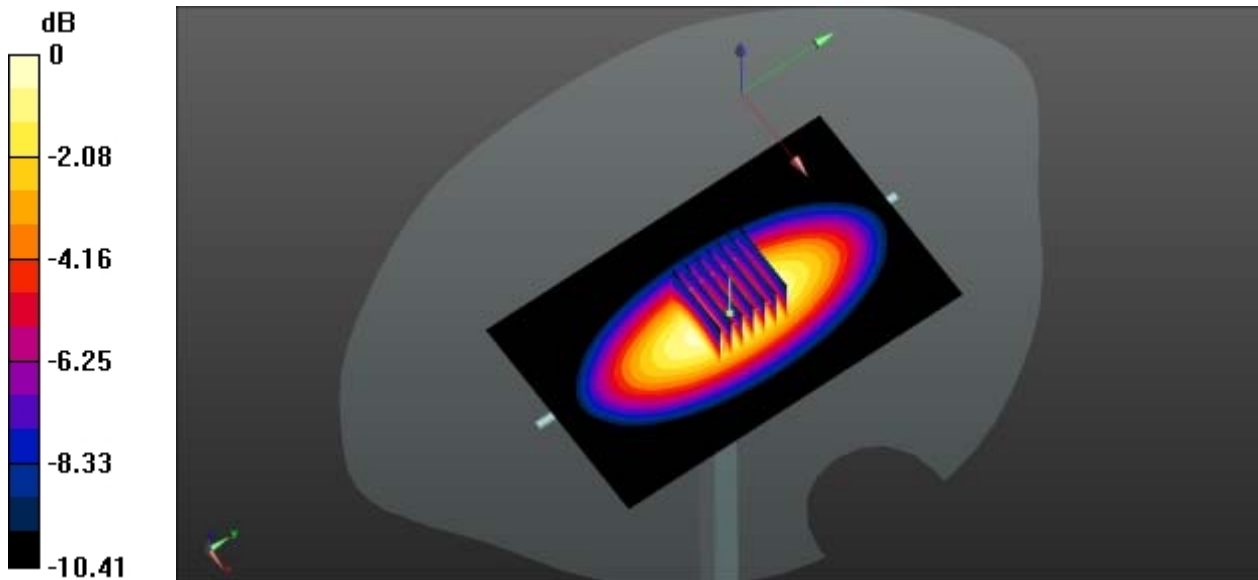
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.62 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.663 W/kg

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



0 dB = 1.11 W/kg

System Performance Check Data (835MHz Head)

Date: 2023.04.12

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; $\epsilon_r = 40.956$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.961 W/kg

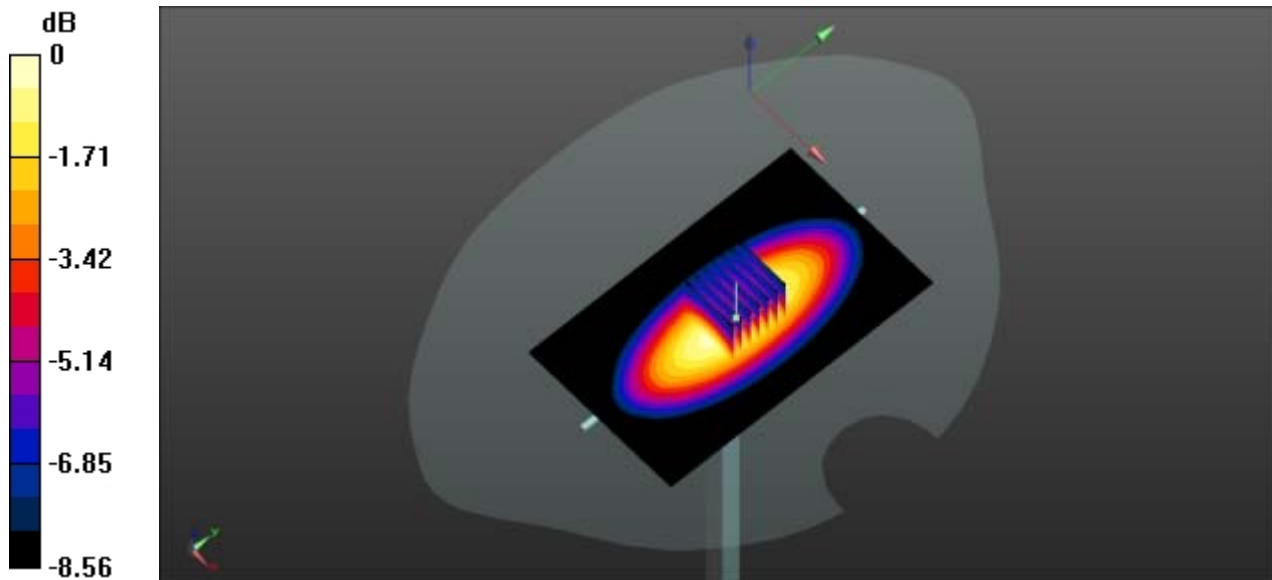
CW835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 31.01 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.630 W/kg

Maximum value of SAR (measured) = 0.980 W/kg



0 dB = 0.980 W/kg

System Performance Check Data (835MHz Head)

Date: 2023.04.13

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 42.082$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

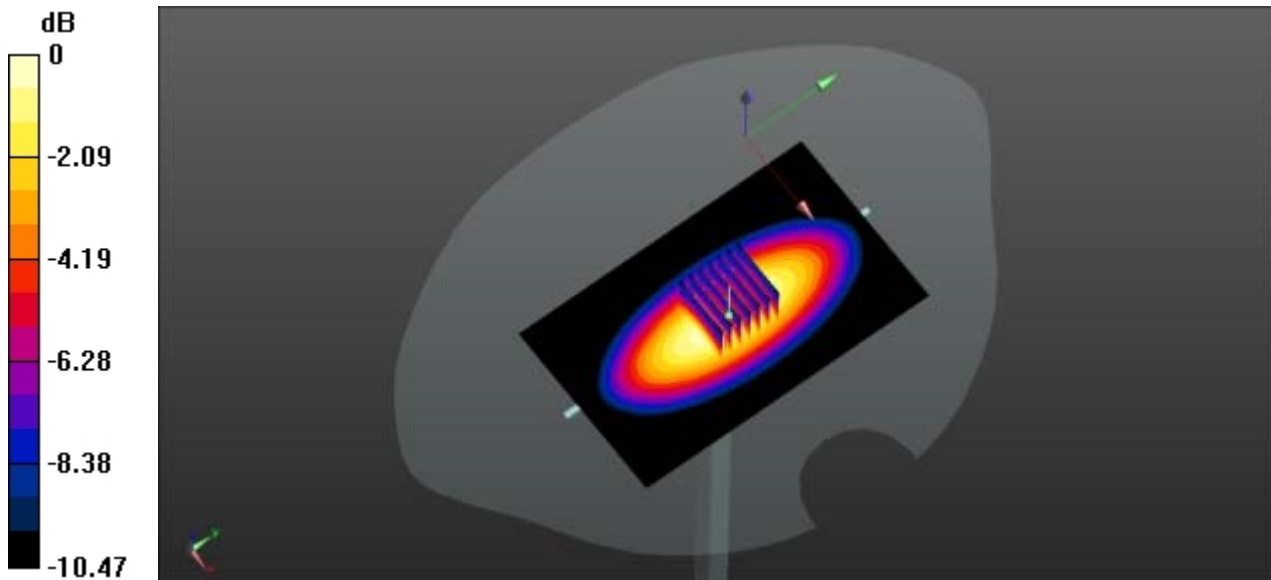
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.10 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.923 W/kg; SAR(10 g) = 0.635 W/kg

Maximum value of SAR (measured) = 0.966 W/kg



0 dB = 0.966 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.04.14

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.396$ S/m; $\epsilon_r = 40.123$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.22 W/kg

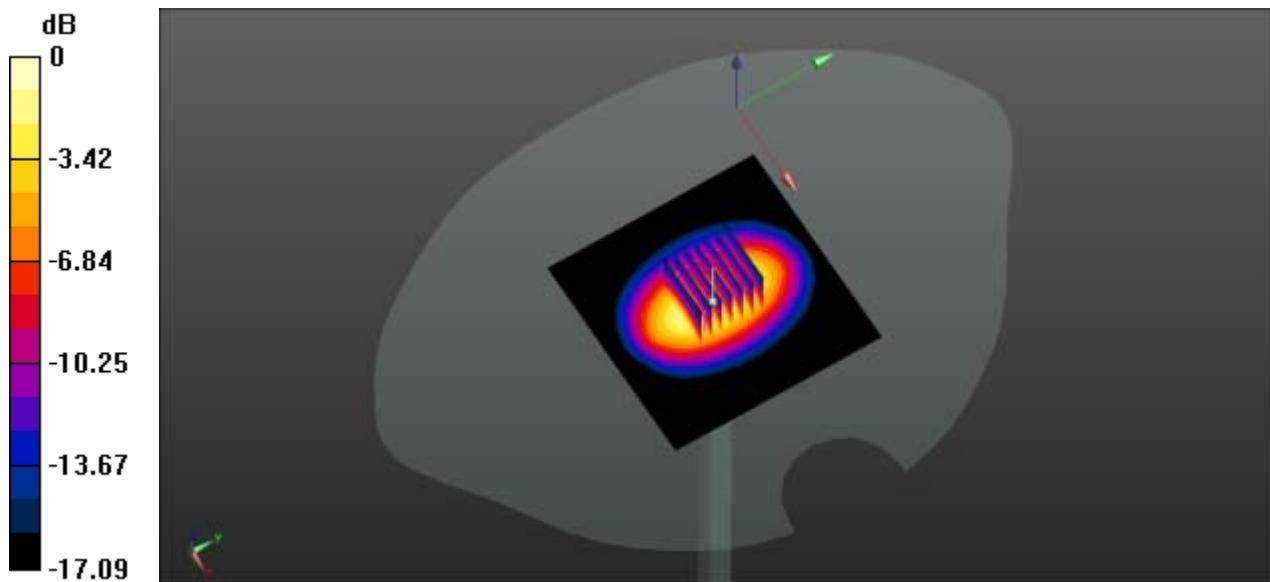
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.26 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 7.05 W/kg

SAR(1 g) = 3.77 W/kg; SAR(10 g) = 2.01 W/kg

Maximum value of SAR (measured) = 4.38 W/kg



0 dB = 4.38 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.04.15

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.416$ S/m; $\epsilon_r = 39.165$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.11 W/kg

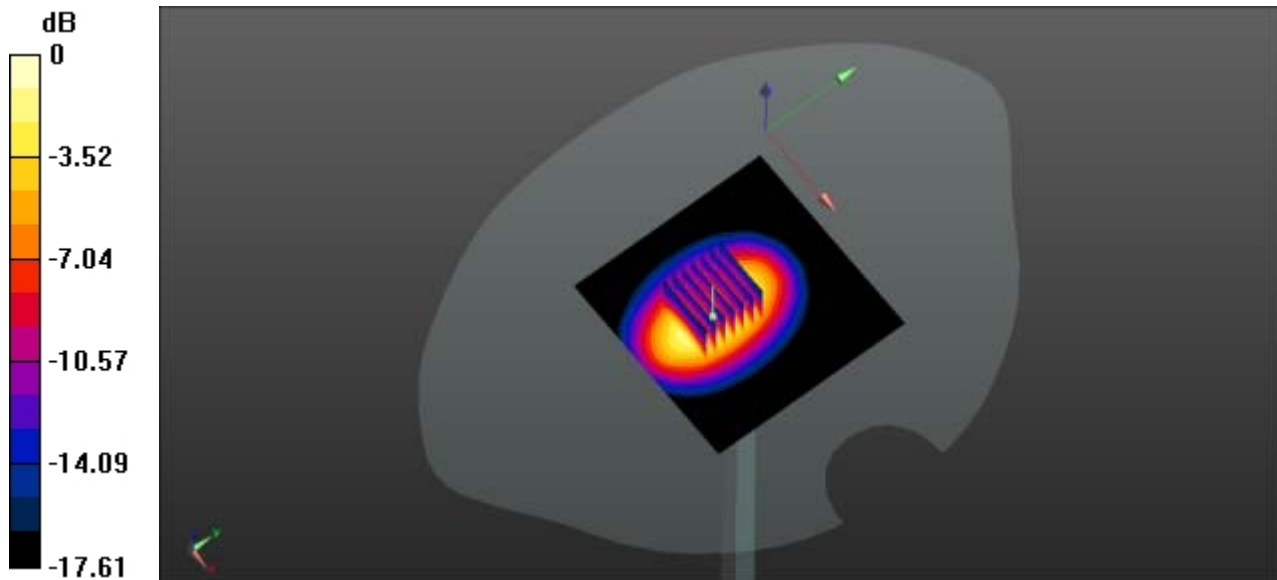
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.51 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 6.82 W/kg

SAR(1 g) = 3.61 W/kg; SAR(10 g) = 1.87 W/kg

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



0 dB = 4.12 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.04.16

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

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.343$ S/m; $\epsilon_r = 39.302$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 4.42 W/kg

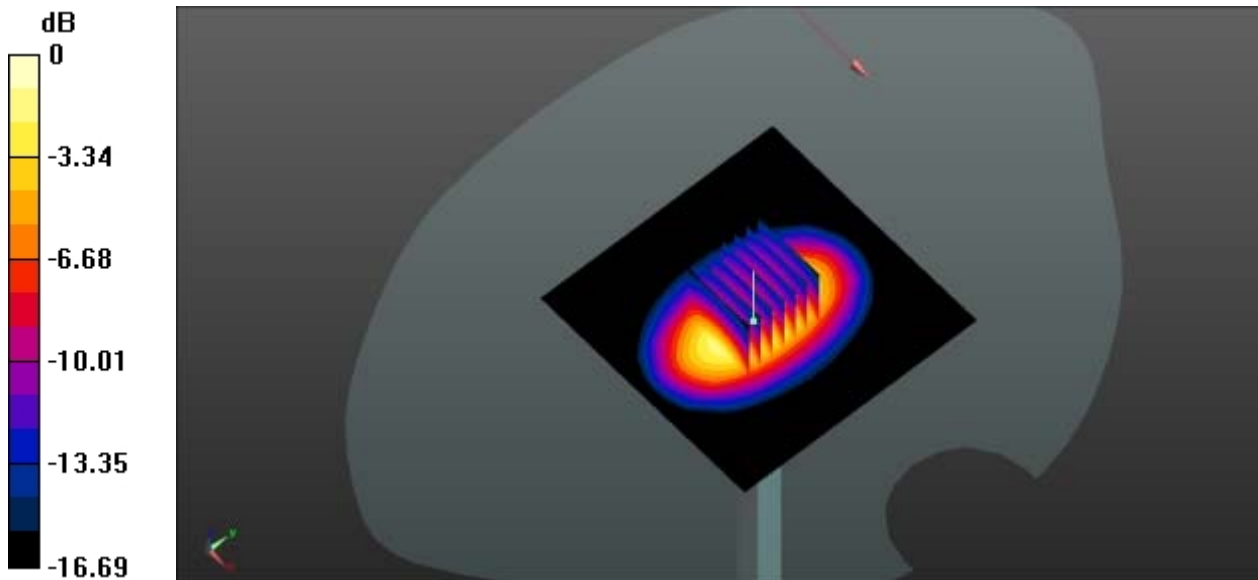
CW1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.91 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 7.25W/kg

SAR(1 g) = 3.85 W/kg; SAR(10 g) = 2.02 W/kg

Maximum value of SAR (measured) = 4.11 W/kg



0 dB = 4.11 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.04.17

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 39.571$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.23 W/kg

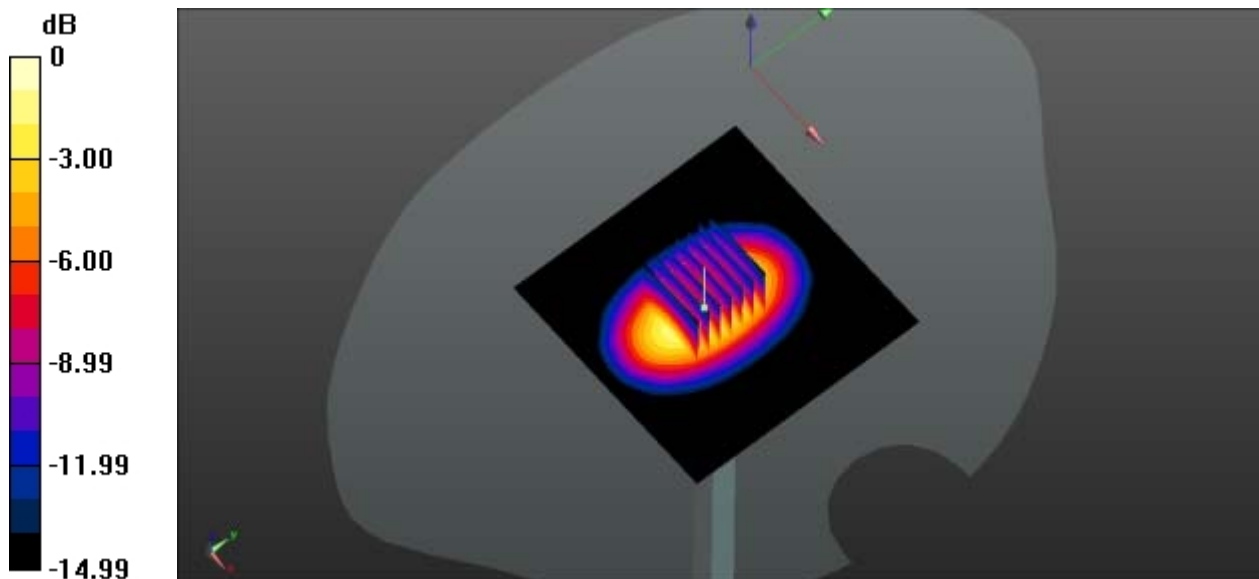
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.38 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 6.32 W/kg

SAR(1 g) = 3.75 W/kg; SAR(10 g) = 1.98 W/kg

Maximum value of SAR (measured) = 4.08 W/kg



0 dB = 4.08 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.04.18

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

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.381$ S/m; $\epsilon_r = 40.493$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

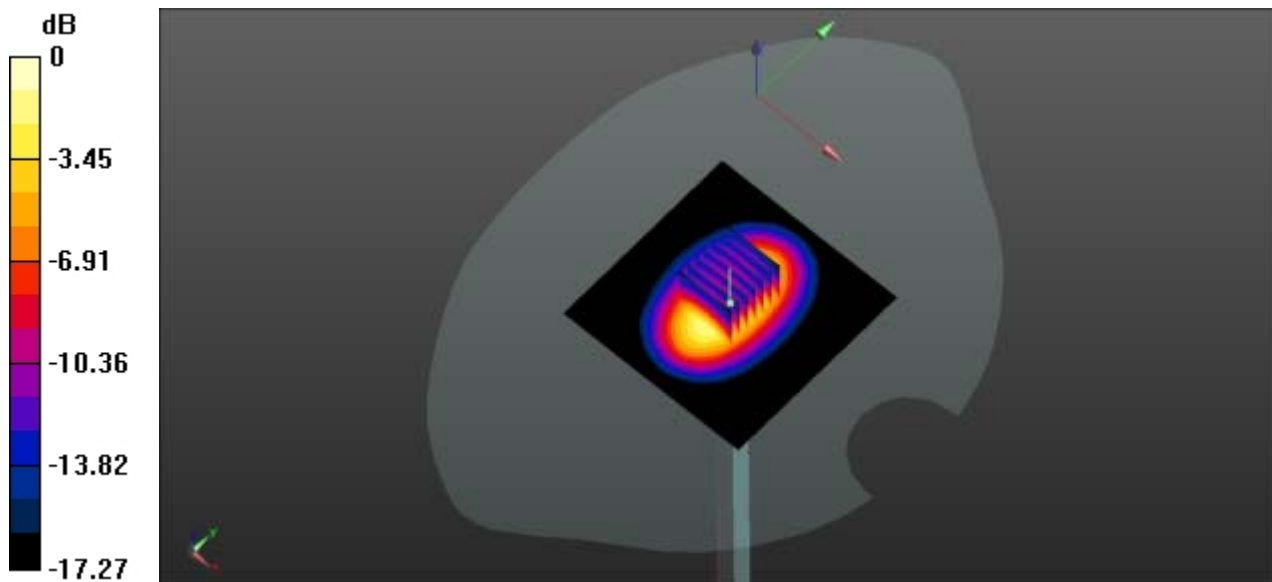
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.11 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 6.88 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: 2023.04.19

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.345$ S/m; $\epsilon_r = 39.367$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.09 W/kg

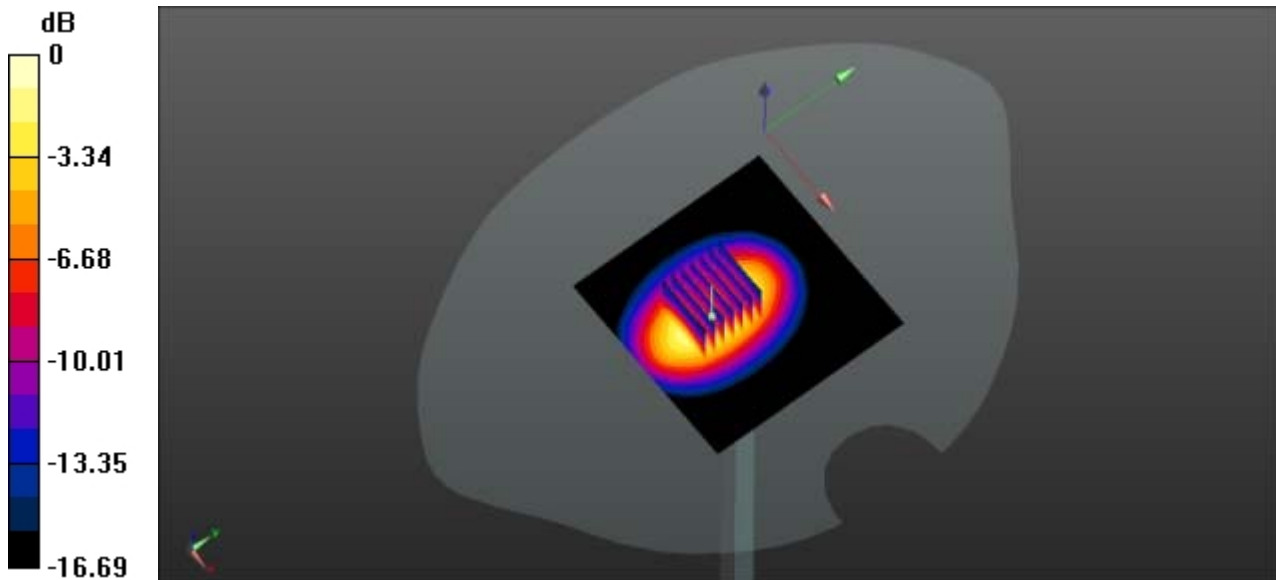
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.37 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 6.78 W/kg

SAR(1 g) = 3.61 W/kg; SAR(10 g) = 1.87 W/kg

Maximum value of SAR (measured) = 4.09 W/kg



0 dB = 4.09 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.04.20

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 38.886$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59) ; Calibrated: 2022.09.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

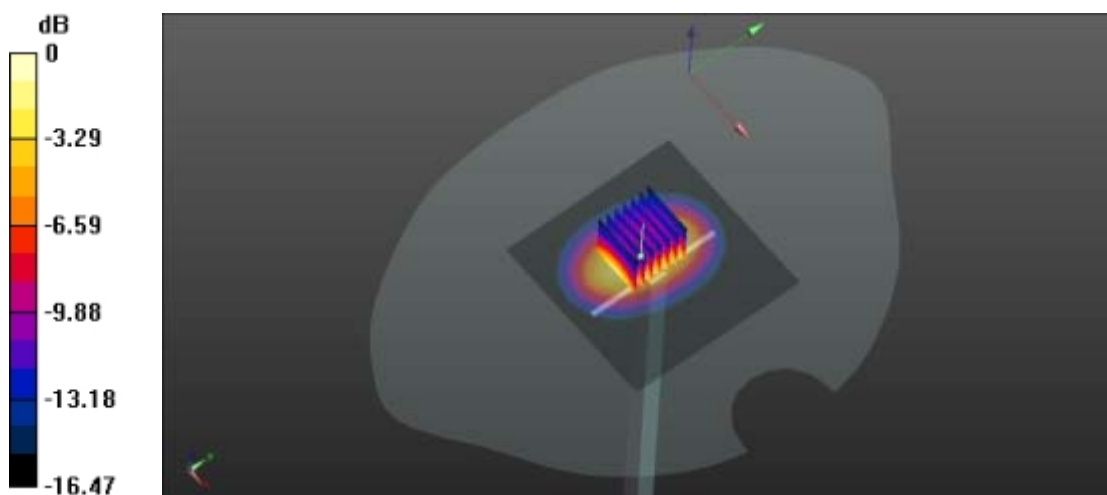
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.98 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 6.77 W/kg

SAR(1 g) = 3.76 W/kg; SAR(10 g) = 1.99 W/kg

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



0 dB = 4.24 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.04.21

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.362$ S/m; $\epsilon_r = 39.363$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59) ; Calibrated: 2022.09.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 4.42 W/kg

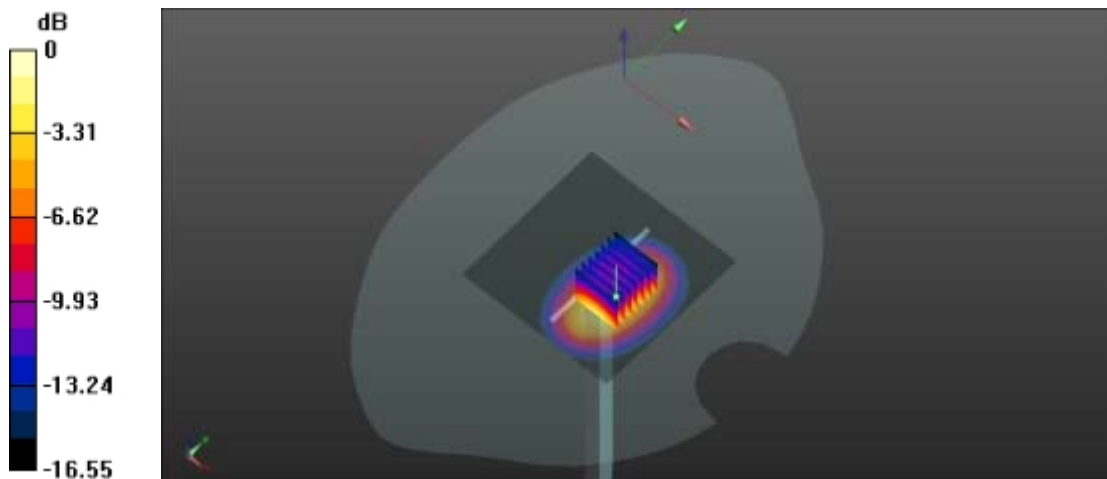
CW1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.11 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 7.24 W/kg

SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.04 W/kg

Maximum value of SAR (measured) = 4.38 W/kg



0 dB = 4.38 W/kg

System Performance Check Data (1750MHz Head)

Date: 2023.04.23

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.37$ S/m; $\epsilon_r = 39.491$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59) ; Calibrated: 2022.09.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 3.93 W/kg

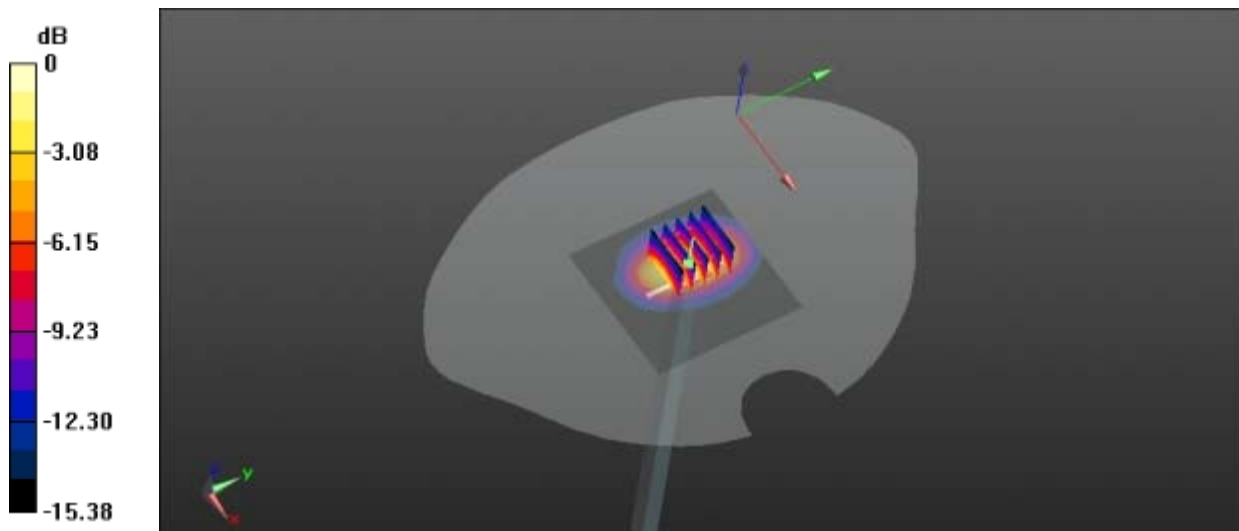
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.25 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 6.78 W/kg

SAR(1 g) = 3.75 W/kg; SAR(10 g) = 1.95 W/kg

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



0 dB = 4.31 W/kg

System Performance Check Data (1900MHz Head)

Date: 2023.04.24

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.424$ S/m; $\epsilon_r = 39.536$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.25, 8.25, 8.25); Calibrated: 2022.09.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 4.21 W/kg

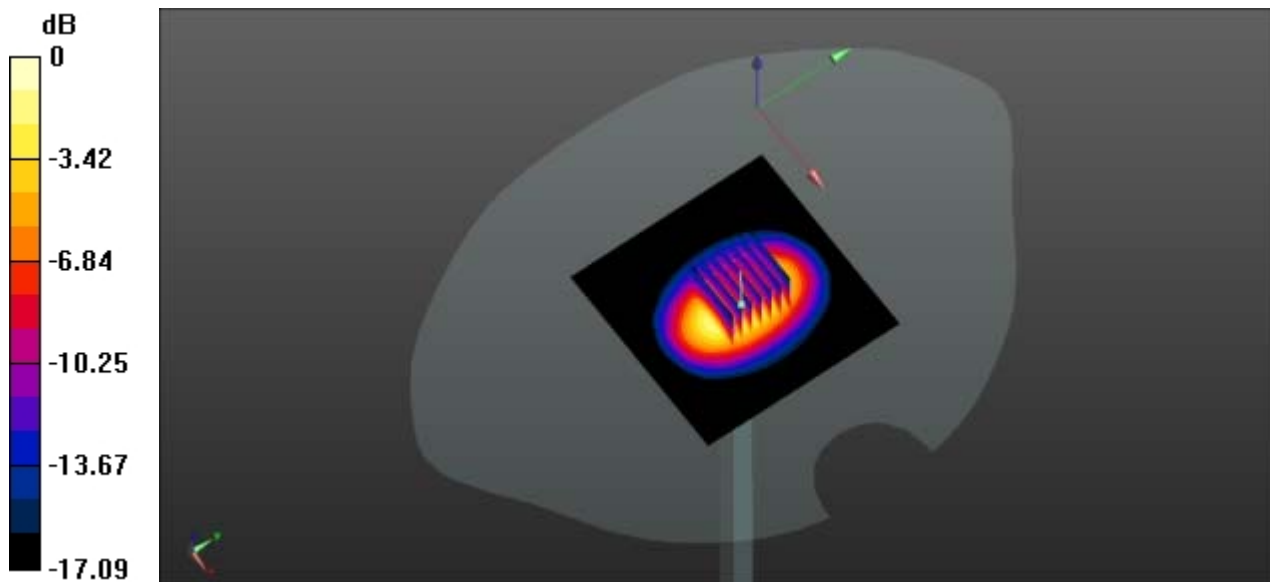
CW 1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 7.25 W/kg

SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.04 W/kg

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



0 dB = 4.21 W/kg

System Performance Check Data (1900MHz Head)

Date: 2023.04.25

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 38.388$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.25, 8.25, 8.25); Calibrated: 2022.09.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 4.76 W/kg

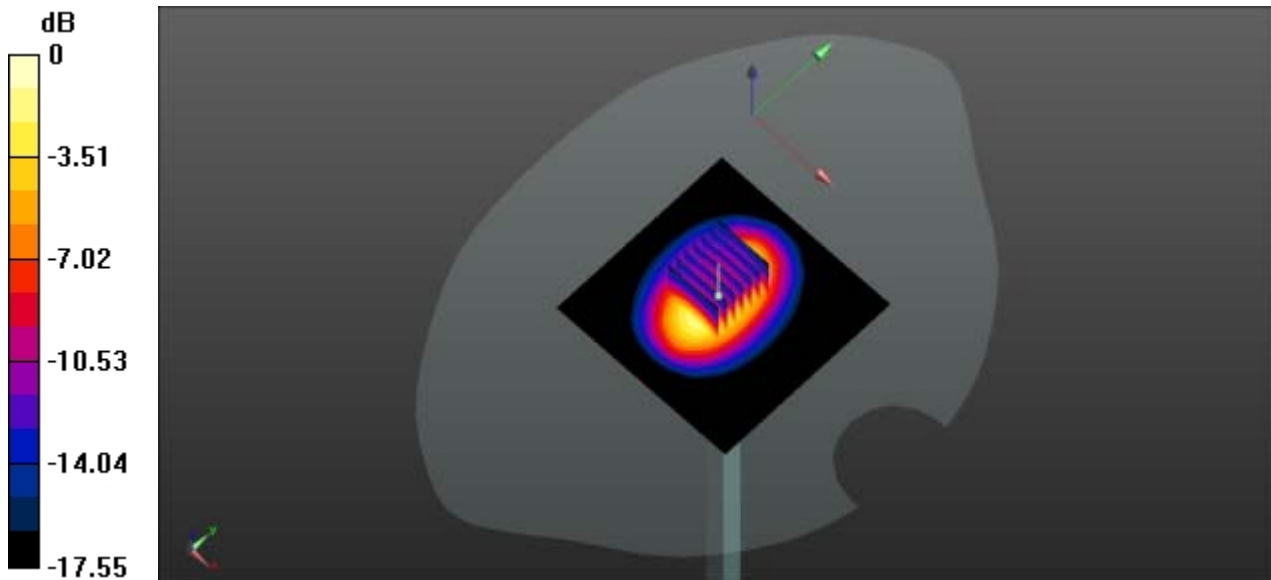
CW 1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.28 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 8.08 W/kg

SAR(1 g) = 4.24 W/kg; SAR(10 g) = 2.15 W/kg

Maximum value of SAR (measured) = 4.65 W/kg



0 dB = 4.65 W/kg

System Performance Check Data (1900MHz Head)

Date: 2023.04.26

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.426$ S/m; $\epsilon_r = 38.68$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°C Liquid Temperature: 21.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.25, 8.25, 8.25); Calibrated: 2022.09.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

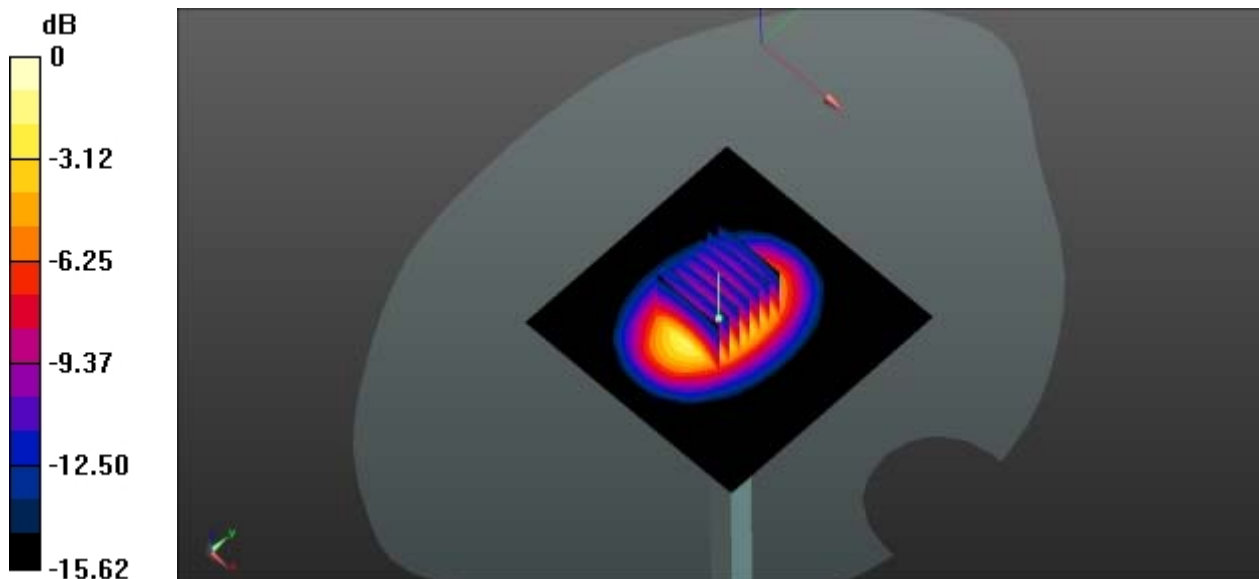
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.65 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.31 W/kg

SAR(1 g) = 4.17 W/kg; SAR(10 g) = 2.14 W/kg

Maximum value of SAR (measured) = 4.52 W/kg



0 dB = 4.52 W/kg

System Performance Check Data (1900MHz Head)

Date: 2023.04.27

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

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.439 \text{ S/m}$; $\epsilon_r = 39.068$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.25, 8.25, 8.25); Calibrated: 2022.09.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.32 W/kg

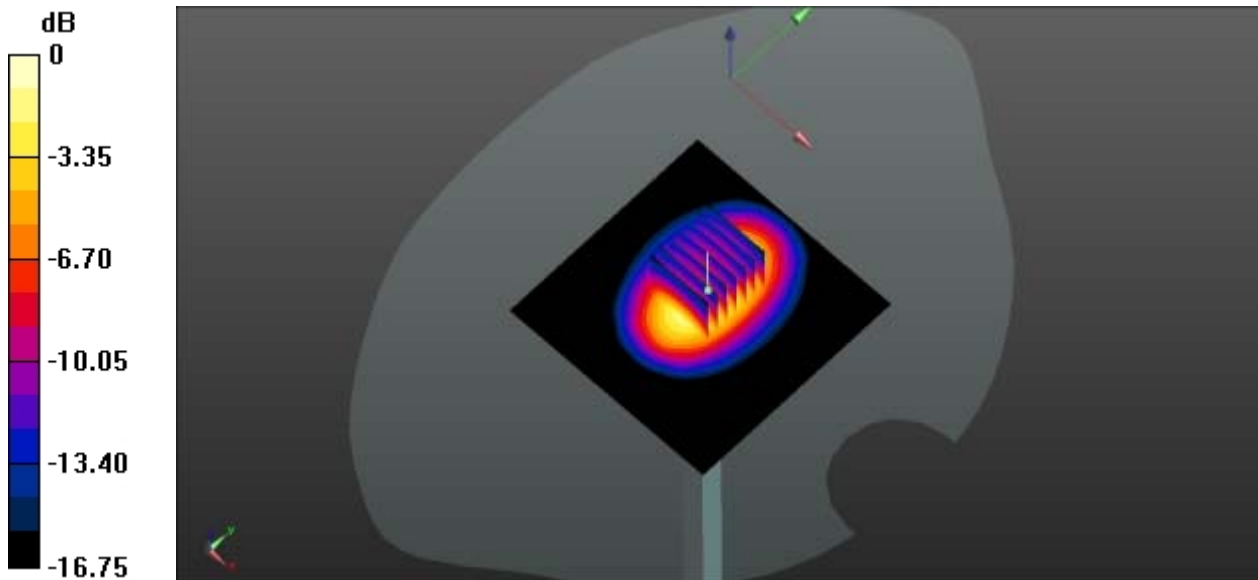
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 55.62V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 7.44 W/kg

SAR(1 g) = 4.08 W/kg; SAR(10 g) = 2.16 W/kg

Maximum value of SAR (measured) = 4.25 W/kg



0 dB = 4.25 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.28

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 2.019$ S/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(7.65, 7.65, 7.65) ; Calibrated: 2022.09.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

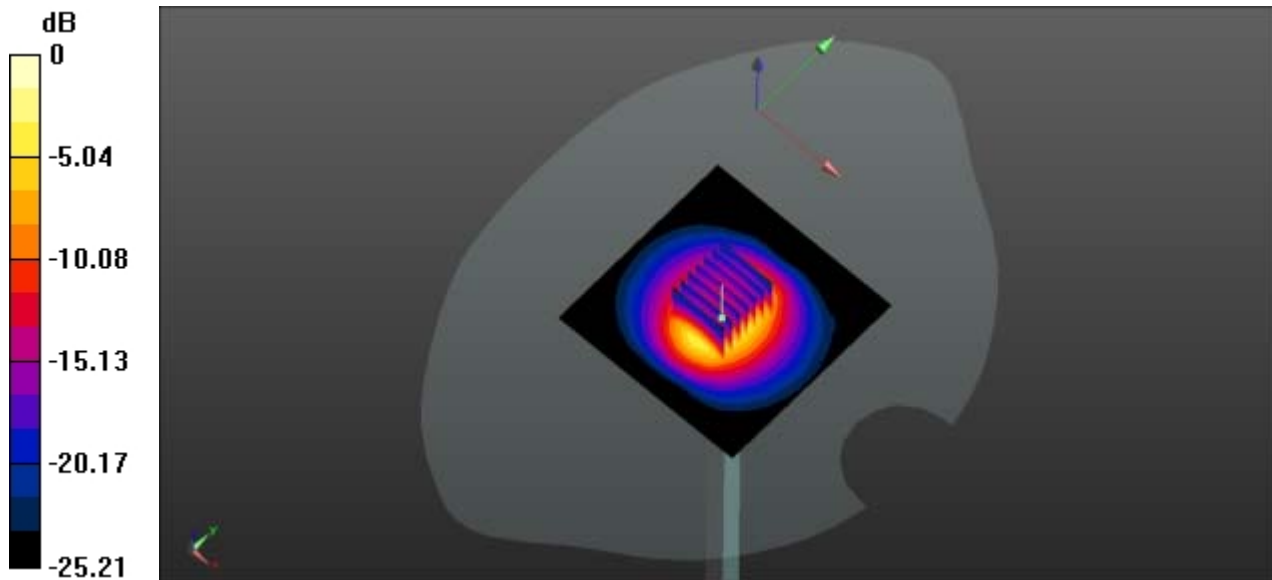
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.22 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 12.3 W/kg

SAR(1 g) = 5.65 W/kg; SAR(10 g) = 2.47 W/kg

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



0 dB = 6.41 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.29

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.940$ S/m; $\epsilon_r = 37.652$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(7.65, 7.65, 7.65) @ 1750 MHz; Calibrated: 2022.09.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.15 W/kg

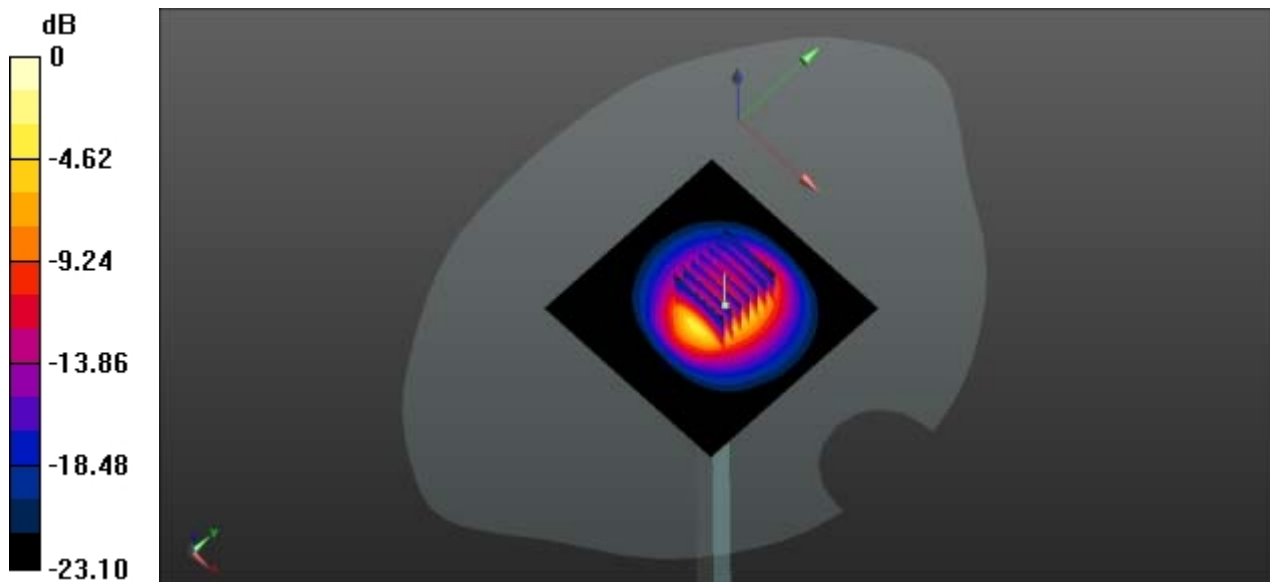
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.38 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 11.12 W/kg

SAR(1 g) = 5.47 W/kg; SAR(10 g) = 2.43 W/kg

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



0 dB = 6.18 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.30

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.903$ S/m; $\epsilon_r = 40.219$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(7.65, 7.65, 7.65); Calibrated: 2022.09.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

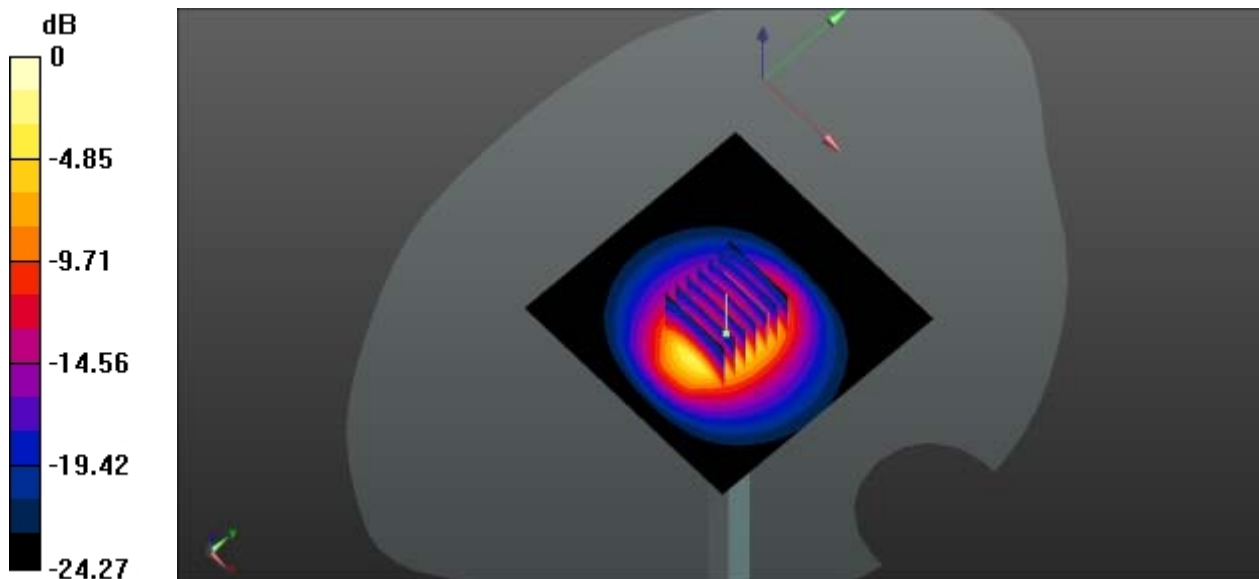
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.13 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 12.4 W/kg

SAR(1 g) = 5.59 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: 2023.04.27

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 2.025$ S/m; $\epsilon_r = 38.011$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.0°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.56 W/kg

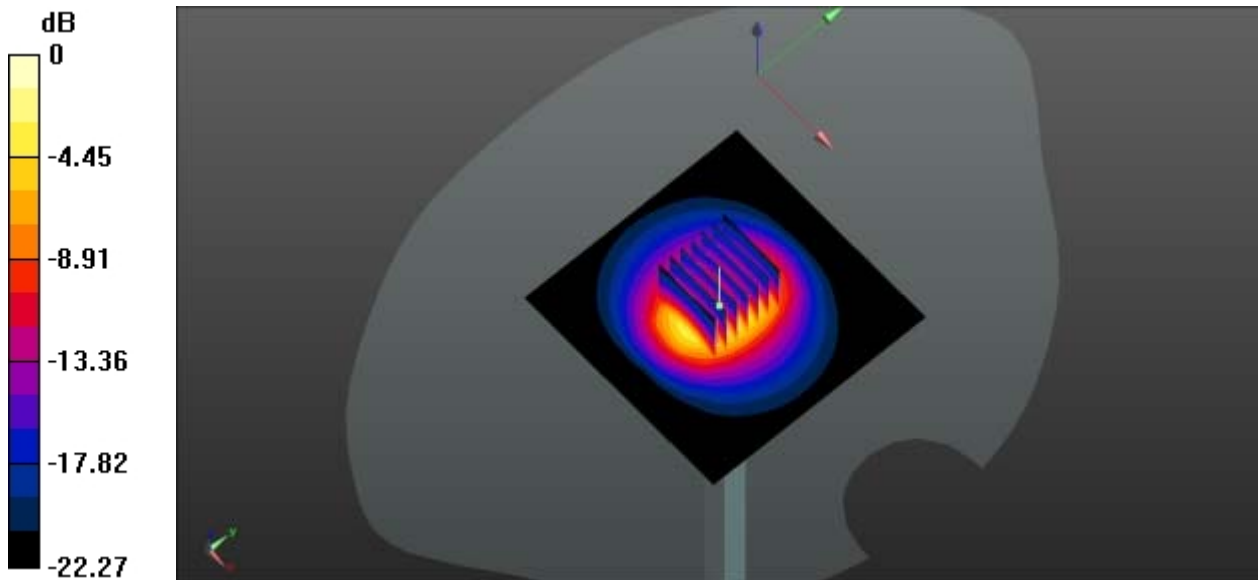
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.93 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 13.08 W/kg

SAR(1 g) = 5.76 W/kg; SAR(10 g) = 2.51 W/kg

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



0 dB = 6.42 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.28

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; $\epsilon_r = 39.018$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°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: 2022.11.18
- 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)

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) = 6.32 W/kg

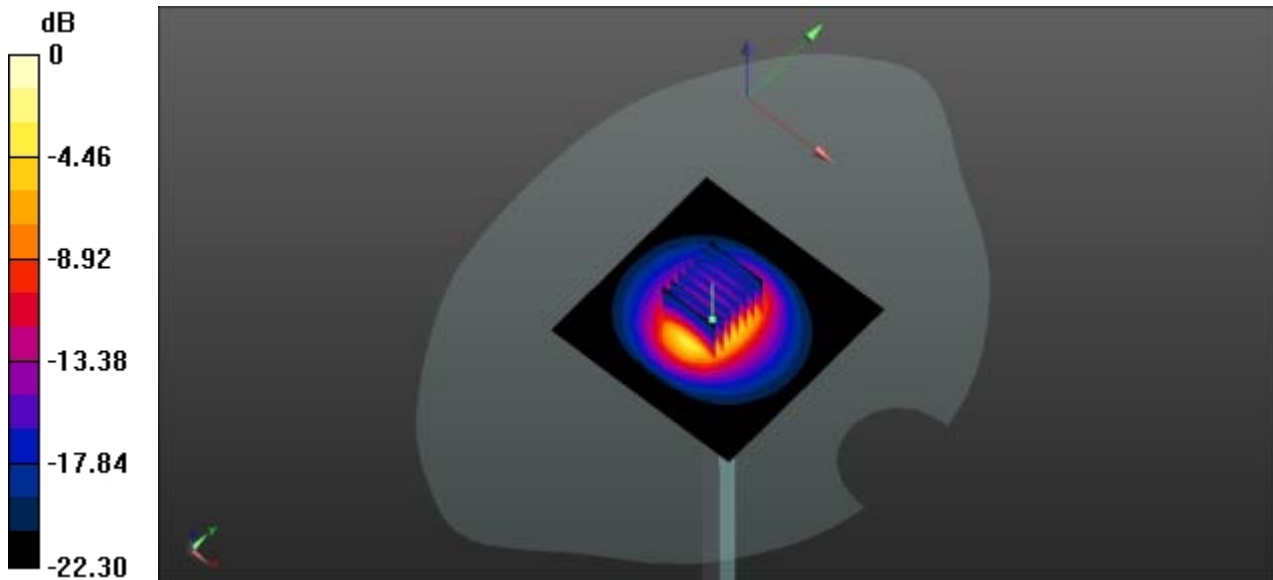
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.25 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 12. W/kg

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

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



0 dB = 6.18W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.29

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.953$ S/m; $\epsilon_r = 38.214$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°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: 2022.11.18
- 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 Body/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

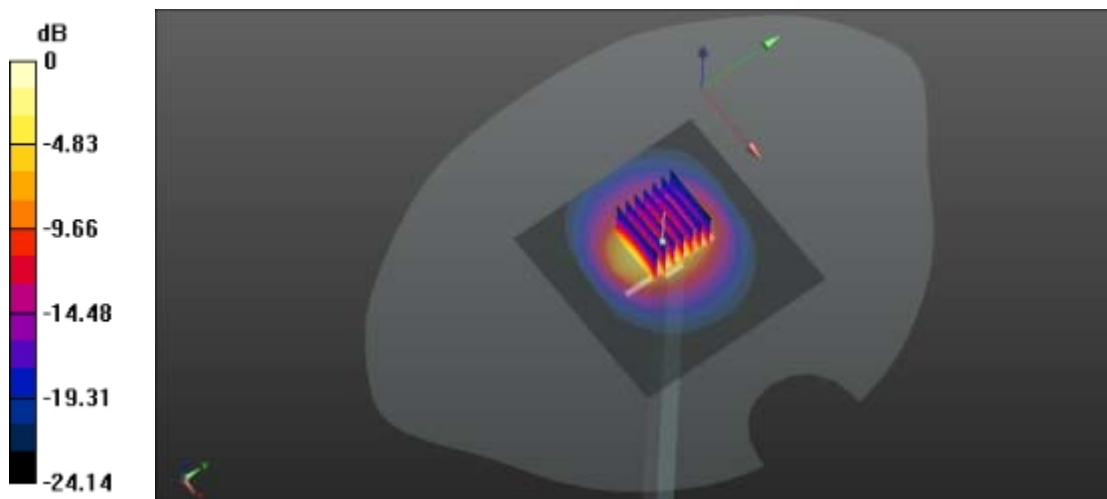
CW2600 Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 40.25 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 11.99 W/kg

SAR(1 g) = 5.42 W/kg; SAR(10 g) = 2.37 W/kg

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



0 dB = 6.18 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.04

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 2.007$ S/m; $\epsilon_r = 37.703$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD00P40CC; 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) = 6.78 W/kg

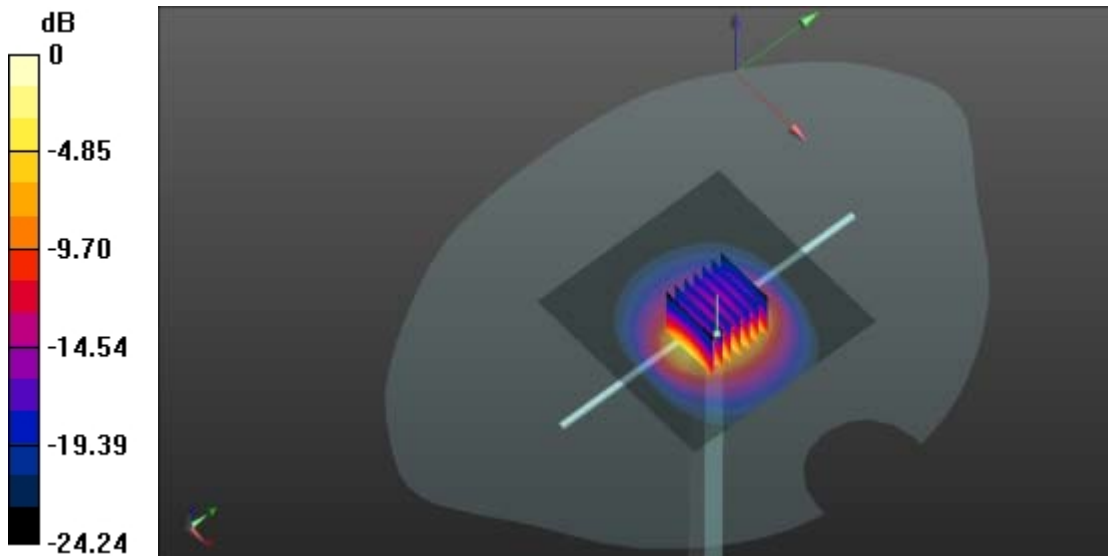
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.83 V/m; Power Drift = -0.38 dB

Peak SAR (extrapolated) = 13.9 W/kg

SAR(1 g) = 5.91 W/kg; SAR(10 g) = 2.55 W/kg

Maximum value of SAR (measured) = 6.77 W/kg



0 dB = 6.77 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.05

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.999$ S/m; $\epsilon_r = 38.71$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°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: 2022.11.18
- 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) = 6.28 W/kg

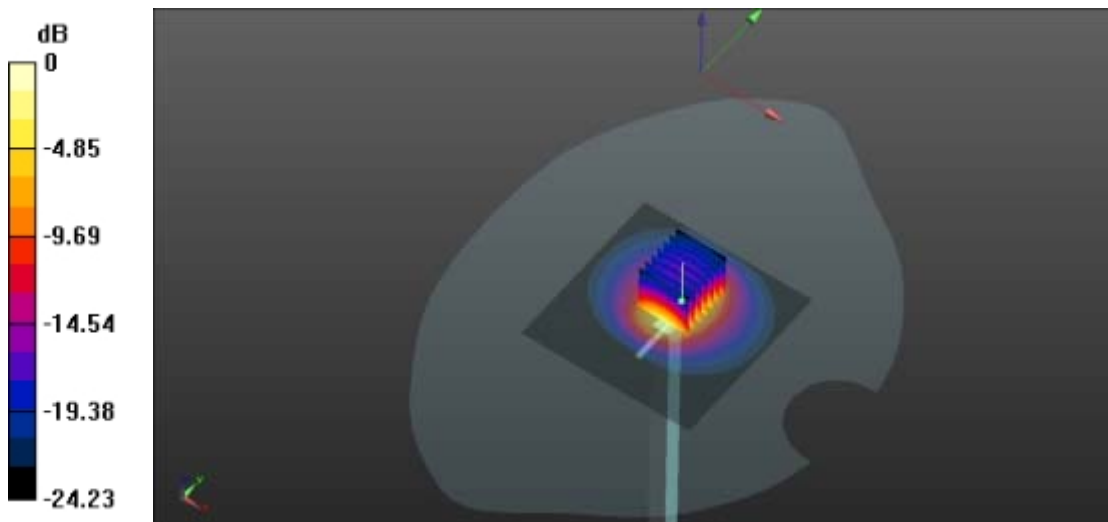
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.56 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 13.62 W/kg

SAR(1 g) = 5.97 W/kg; SAR(10 g) = 2.58 W/kg

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



0 dB = 6.42 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.06

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 2.003$ S/m; $\epsilon_r = 38.265$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°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: 2022.11.18
- 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) = 6.75 W/kg

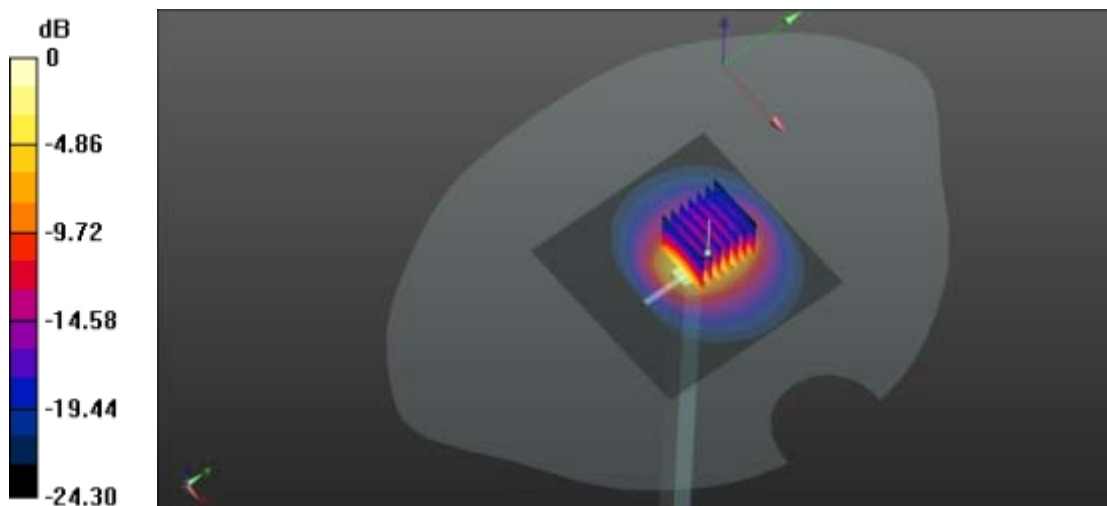
CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.35 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 14.01 W/kg

SAR(1 g) = 6.05 W/kg; SAR(10 g) = 2.62 W/kg

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



0 dB = 6.45 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.07

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.957$ S/m; $\epsilon_r = 39.118$; $\rho = 1000$ 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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.66 W/kg

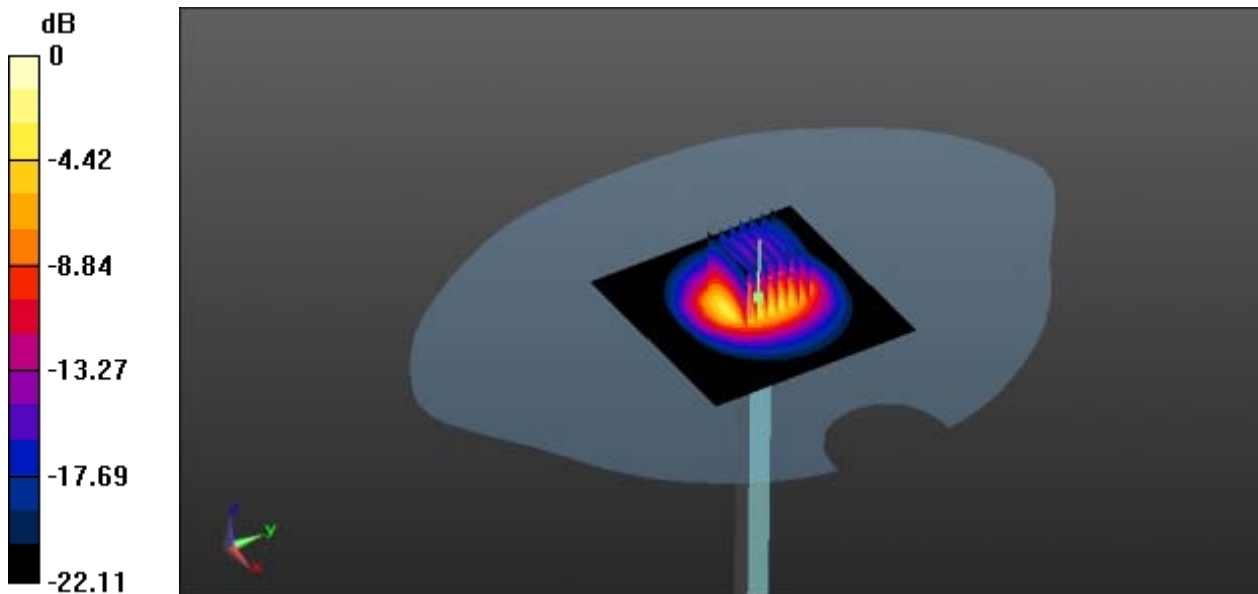
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.63 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 12.15 W/kg

SAR(1 g) = 5.68 W/kg; SAR(10 g) = 2.56 W/kg

Maximum value of SAR (measured) = 6.08 W/kg



0 dB = 6.08 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.08

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.999$ S/m; $\epsilon_r = 37.652$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°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: 2022.11.18
- 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)

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

Maximum value of SAR (interpolated) = 6.75 W/kg

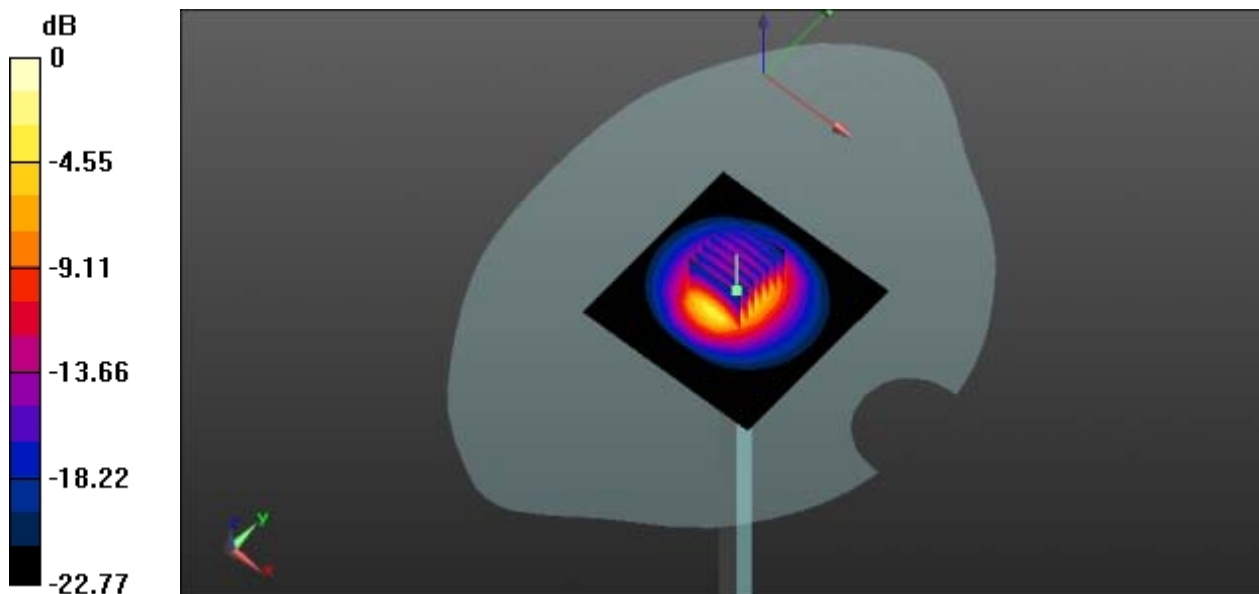
2600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.61V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 12.12 W/kg

SAR(1 g) = 5.72 W/kg; SAR(10 g) = 2.69 W/kg

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



0 dB = 6.35W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.09

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.953$ S/m; $\epsilon_r = 38.183$; $\rho = 1000$ 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: 2022.11.18
- 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)

2600MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

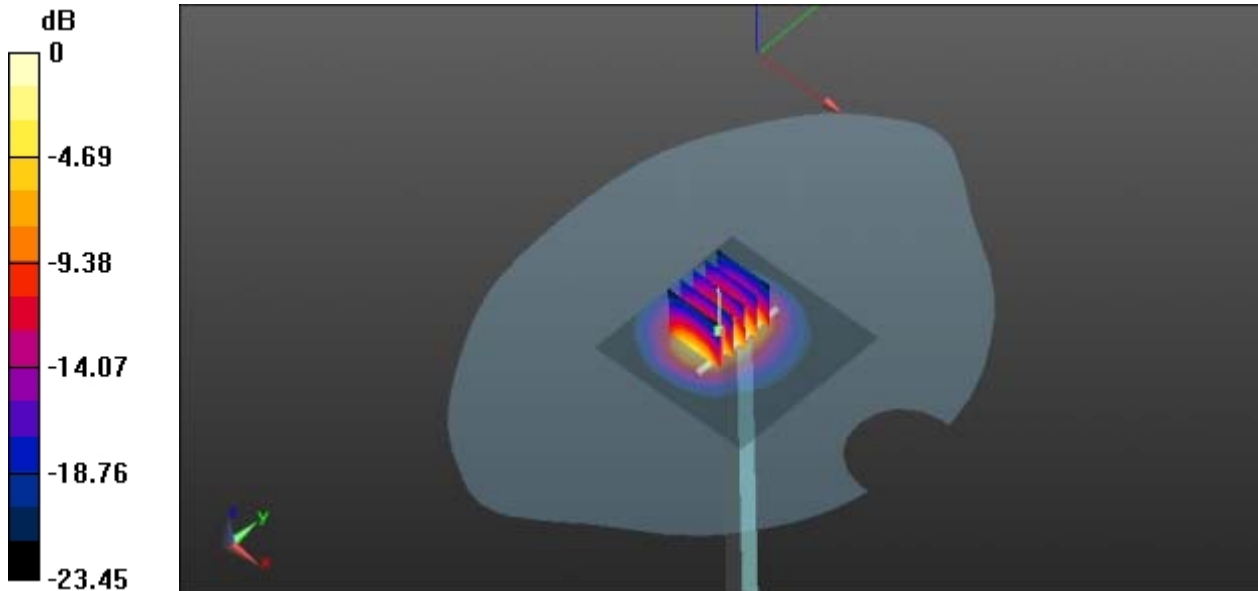
2600MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.11 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 11.82 W/kg

SAR(1 g) = 5.71 W/kg; SAR(10 g) = 2.64 W/kg

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



0 dB = 6.51 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.10

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.954$ S/m; $\epsilon_r = 37.933$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°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 Sn1454; Calibrated: 2022.11.18
- 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)

2600MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

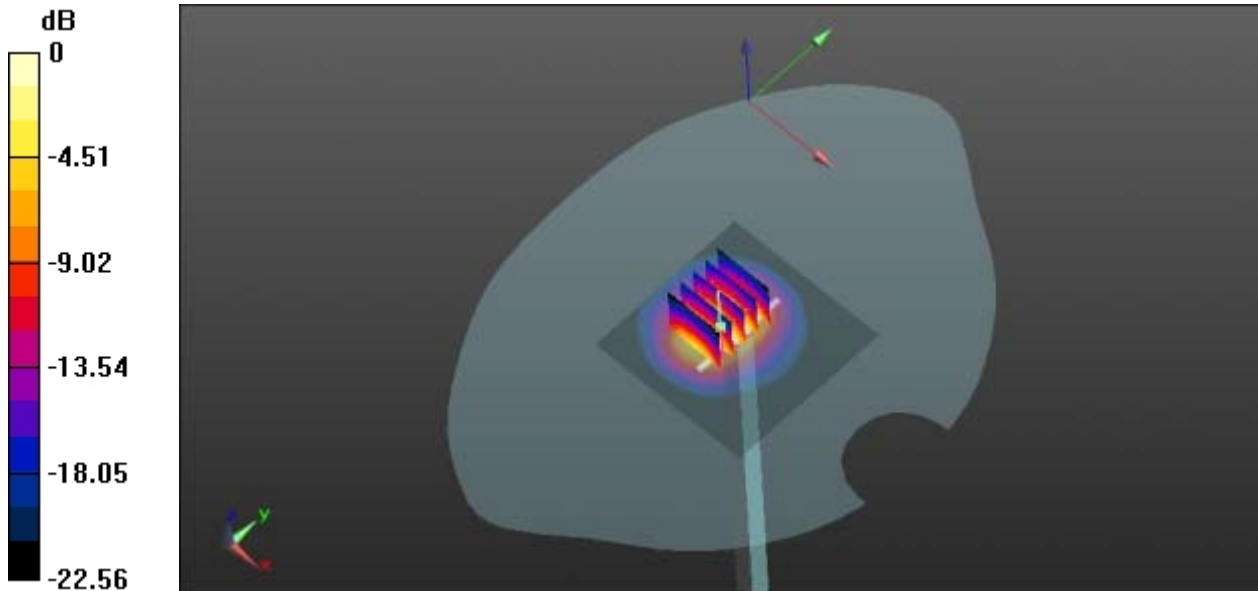
2600MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.38 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 11.62 W/kg

SAR(1 g) = 5.66 W/kg; SAR(10 g) = 2.52 W/kg

Maximum value of SAR (measured) = 6.37 W/kg



0 dB = 6.37 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.11

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.807$ S/m; $\epsilon_r = 39.325$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°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: 2022.11.18
- 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)

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

Maximum value of SAR (interpolated) = 5.95 W/kg

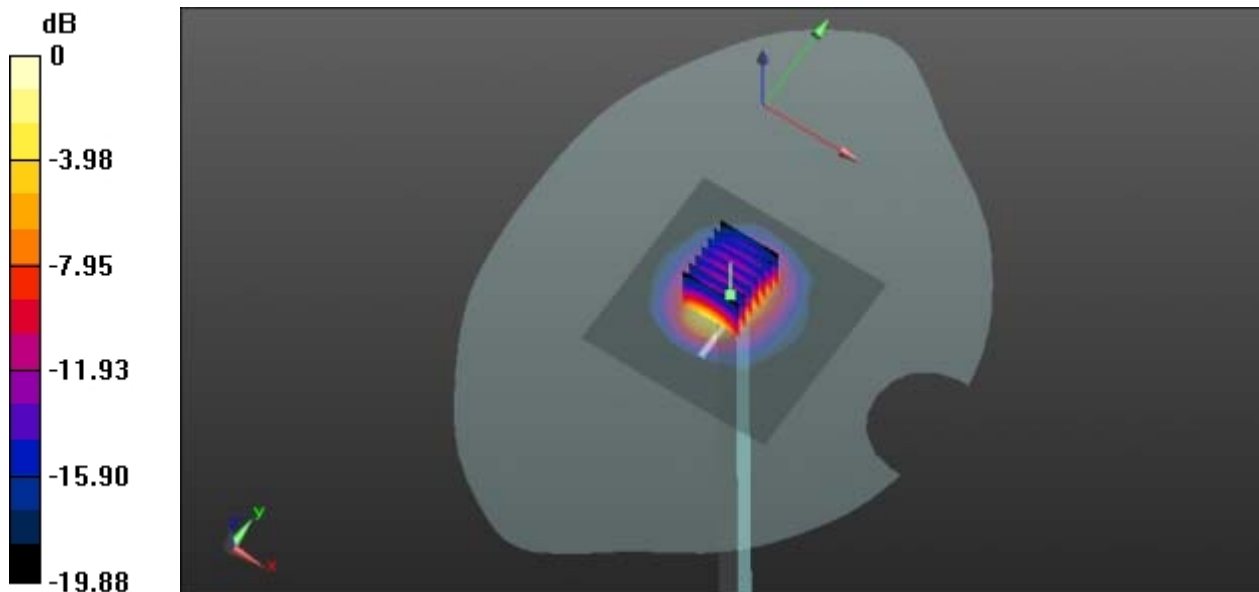
2600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.67 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 10.1 W/kg

SAR(1 g) = 5.55 W/kg; SAR(10 g) = 2.42 W/kg

Maximum value of SAR (measured) = 5.37 W/kg



0 dB = 5.37 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.12

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.807$ S/m; $\epsilon_r = 39.325$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°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: 2022.11.18
- 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)

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

Maximum value of SAR (interpolated) = 5.78 W/kg

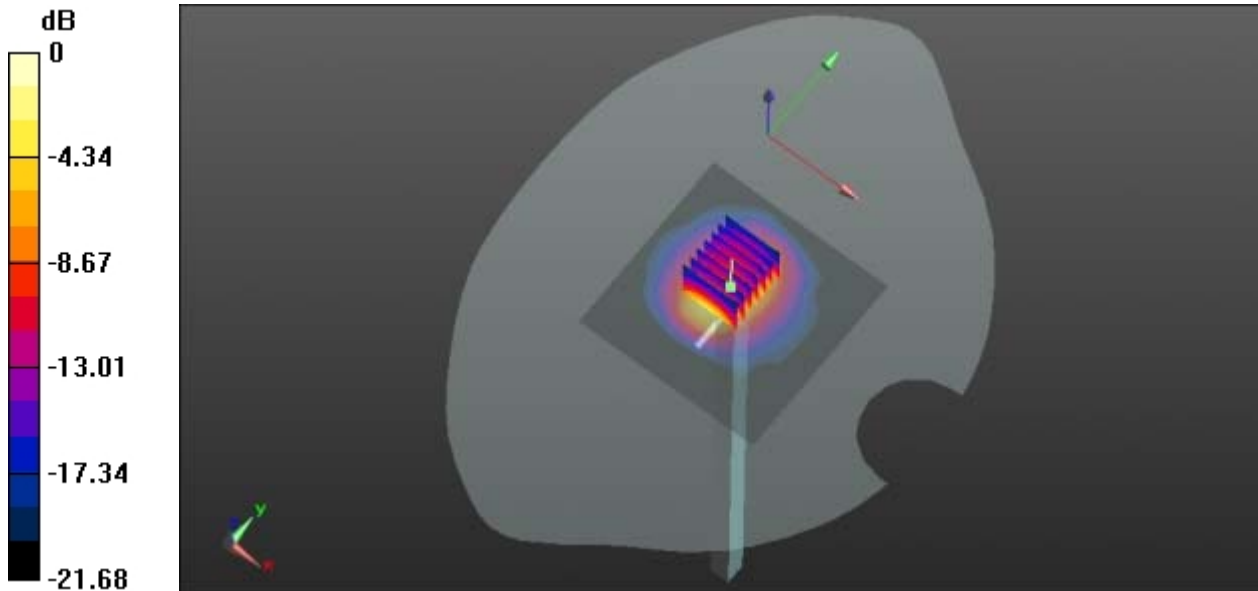
2600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.75 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 10.23 W/kg

SAR(1 g) = 5.71 W/kg; SAR(10 g) = 2.51 W/kg

Maximum value of SAR (measured) = 5.24 W/kg



0 dB = 5.24 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.04.13

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.994$ S/m; $\epsilon_r = 37.926$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°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: 2022.11.18
- 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)

2600MHz/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.12 W/kg

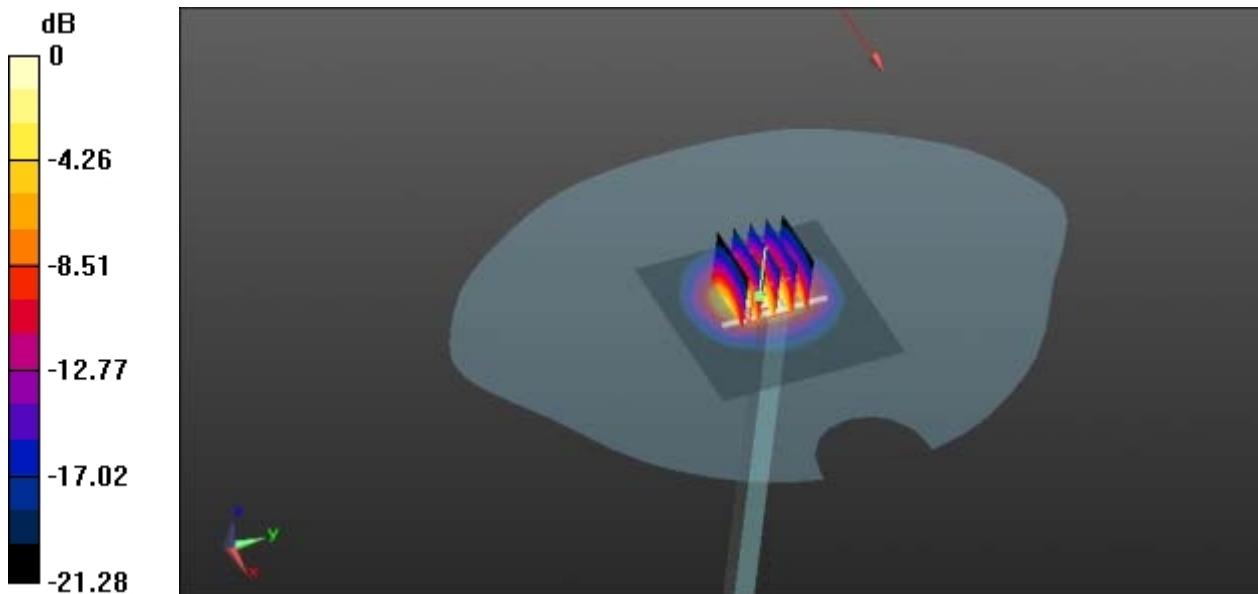
2600MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.54 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 11.81 W/kg

SAR(1 g) = 5.82 W/kg; SAR(10 g) = 2.57 W/kg

Maximum value of SAR (measured) = 6.12 W/kg



0 dB = 6.12 W/kg

System Performance Check Data (2600MHz Head)

Date: 2023.04.14

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.994$ S/m; $\epsilon_r = 37.926$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°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: 2022.11.18
- 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)

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

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

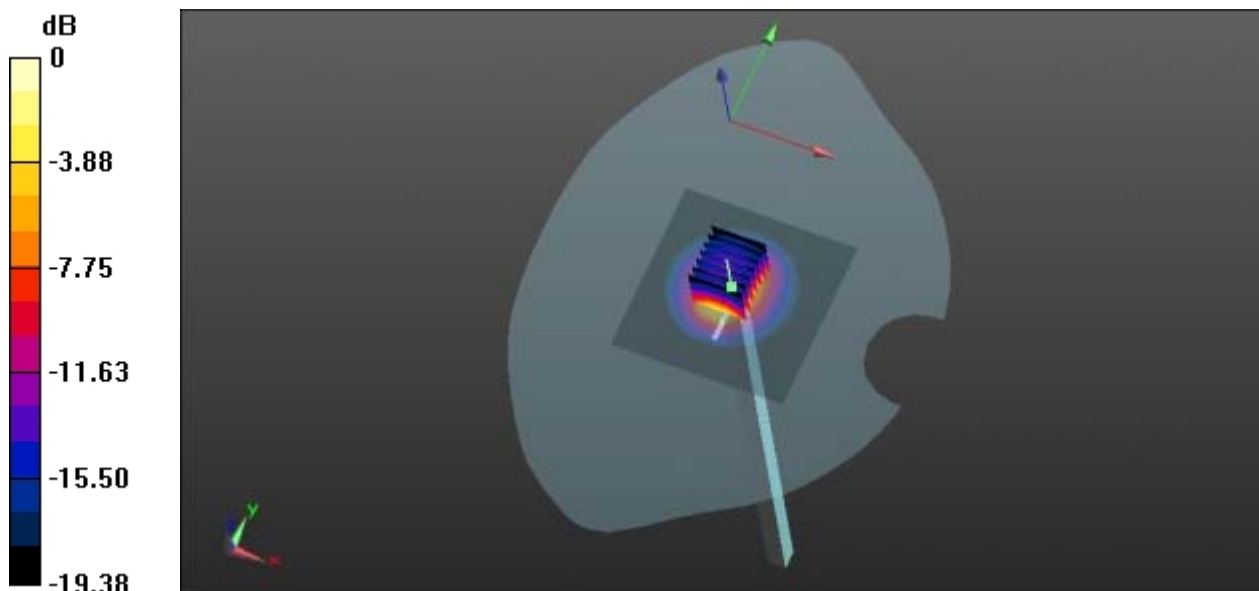
2600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.15 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 11.88 W/kg

SAR(1 g) = 5.73 W/kg; SAR(10 g) = 2.58 W/kg

Maximum value of SAR (measured) = 6.16 W/kg



0 dB = 6.16 W/kg

System Performance Check Data (5250MHz Head)

Date: 2023.05.01

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.544$ S/m; $\epsilon_r = 36.148$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(5.65, 5.65, 5.65); Calibrated: 2022.09.23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 8.58 W/kg

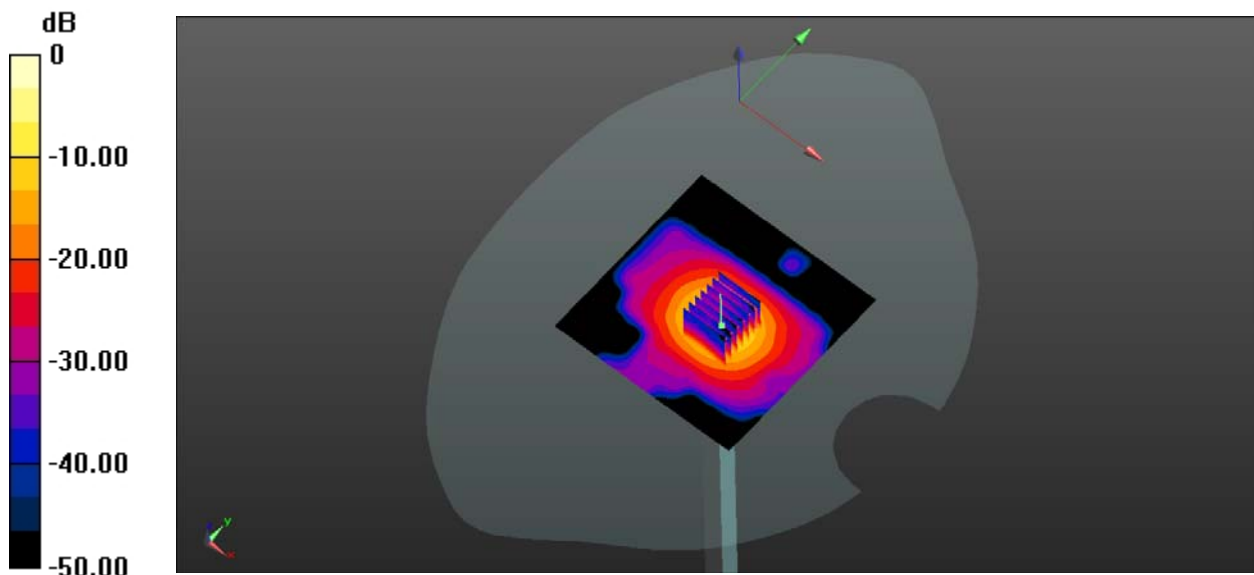
CW5250/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.38 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 32.1 W/kg

SAR(1 g) = 7.97 W/kg; SAR(10 g) = 2.16 W/kg

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



0 dB = 19.1 W/kg

System Performance Check Data (5250MHz Head)

Date: 2023.05.02

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.841$ S/m; $\epsilon_r = 35.535$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(5.65, 5.65, 5.65); Calibrated: 2022.09.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5250/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 7.64 W/kg

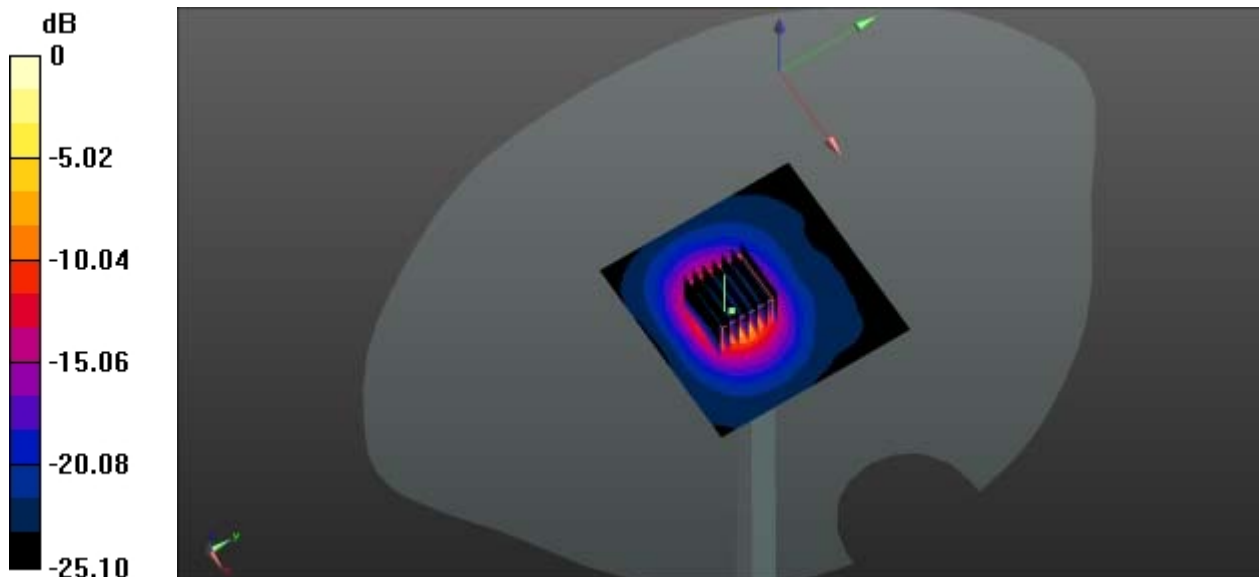
CW 5250/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 24.95 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 31.8 W/kg

SAR(1 g) = 7.51 W/kg; SAR(10 g) = 2.11 W/kg

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



0 dB = 14.2 W/kg

System Performance Check Data (5250MHz Head)

Date: 2023.05.03

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.681$ S/m; $\epsilon_r = 36.235$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(5.65, 5.65, 5.65); Calibrated: 2022.09.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

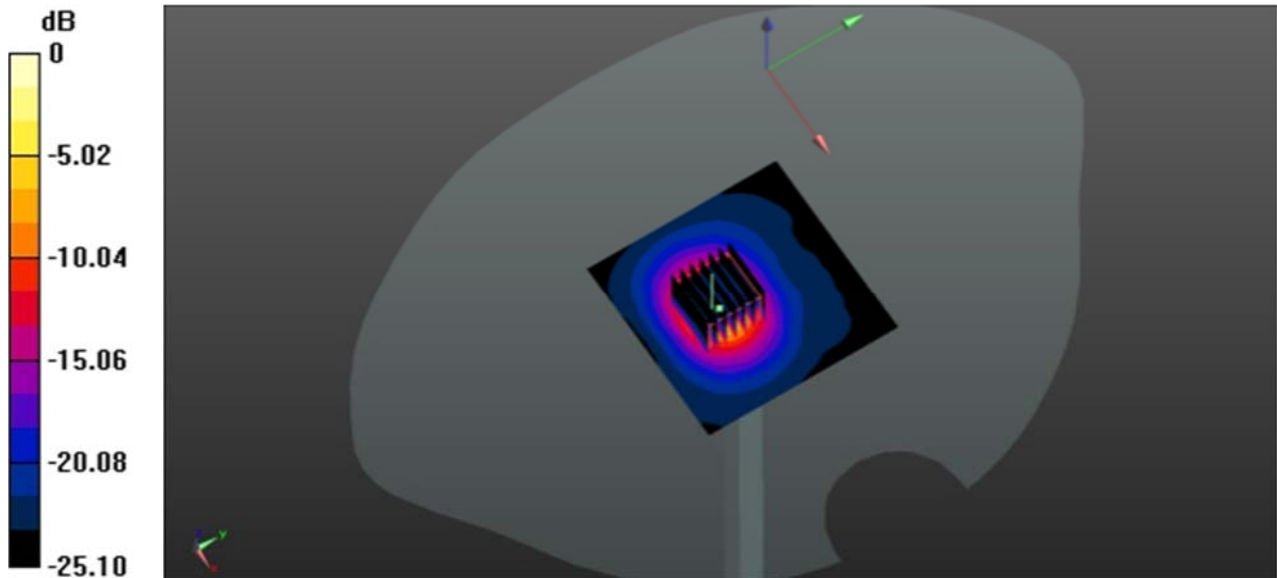
CW 5250/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 24.92 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 33.2 W/kg

SAR(1 g) = 7.66 W/kg; SAR(10 g) = 2.28 W/kg

Maximum value of SAR (measured) = 14.4 W/kg



0 dB = 14.4 W/kg

System Performance Check Data (5600MHz Head)

Date: 2023.04.18

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.078$ S/m; $\epsilon_r = 36.312$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°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 Sn1454; Calibrated: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 9.78 W/kg

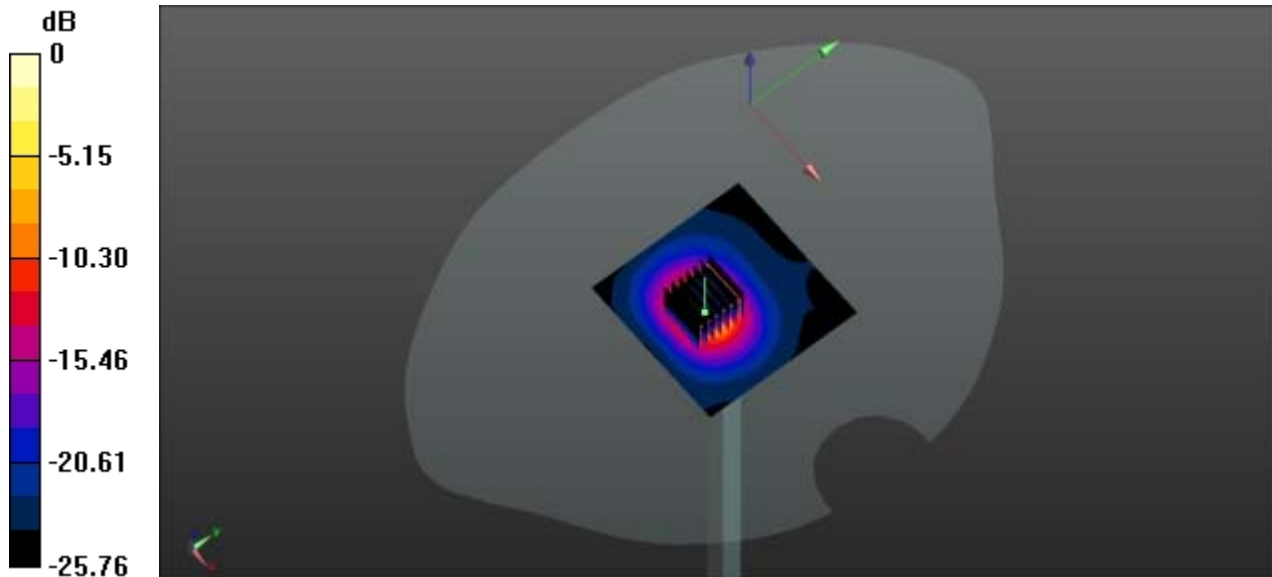
CW 5600/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 26.85V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 41.1 W/kg

SAR(1 g) = 8.08 W/kg; SAR(10 g) = 2.22 W/kg

Maximum value of SAR (measured) = 20.4 W/kg



0 dB = 20.4 W/kg

System Performance Check Data (5600MHz Head)

Date: 2023.04.19

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 4.978$ S/m; $\epsilon_r = 34.901$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°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 Sn1454; Calibrated: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 9.16 W/kg

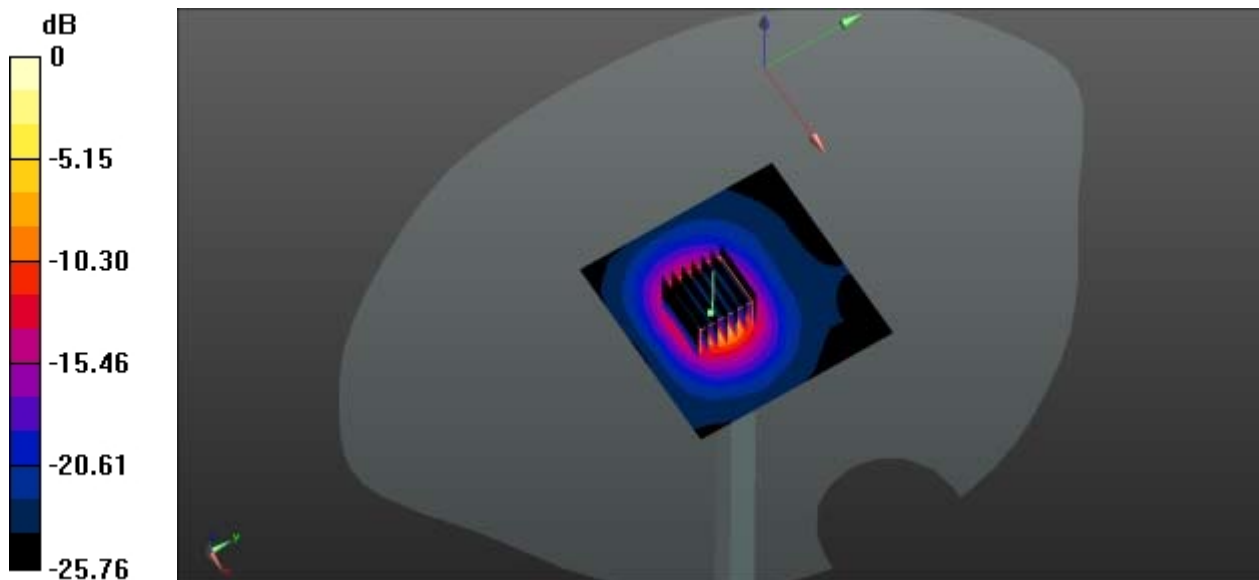
CW 5600/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 22.76V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 38.21 W/kg

SAR(1 g) = 8.43 W/kg; SAR(10 g) = 2.38 W/kg

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



0 dB = 16.9 W/kg

System Performance Check Data (5600MHz Head)

Date: 2023.04.20

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 4.933$ S/m; $\epsilon_r = 36.774$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°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 Sn1454; Calibrated: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 9.15 W/kg

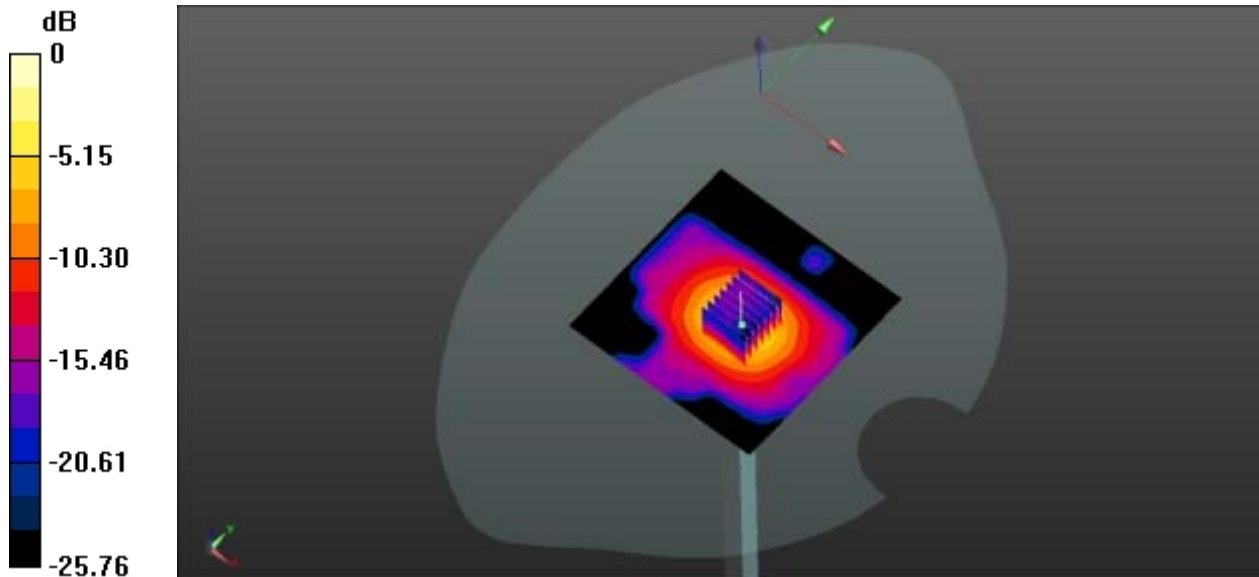
CW 5600/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 22.77 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 38.35W/kg

SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.3 W/kg

Maximum value of SAR (measured) = 16.8 W/kg



0 dB = 16.8 W/kg

System Performance Check Data (5750MHz Head)

Date: 2023.04.21

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

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.192$ S/m; $\epsilon_r = 34.501$; $\rho = 1000$ 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 Sn1454; Calibrated: 2022.11.18
- 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 5750/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.15 W/kg

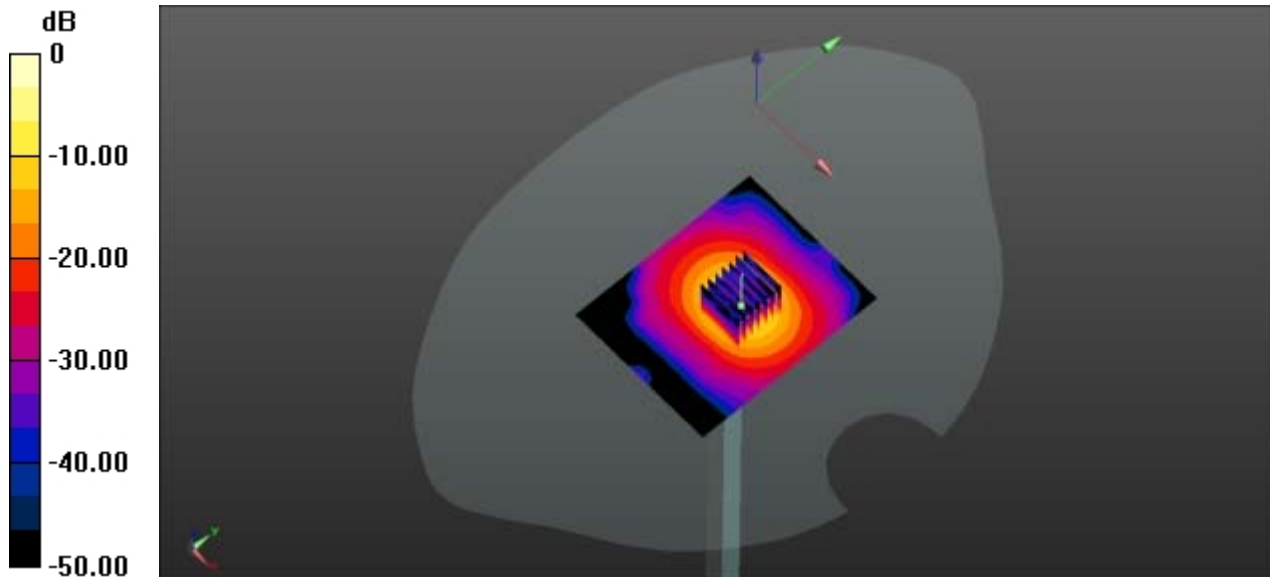
CW 5750/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 33.42 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 40.4 W/kg

SAR(1 g) = 8.21 W/kg; SAR(10 g) = 2.22 W/kg

Maximum value of SAR (measured) = 19.3 W/kg



0 dB = 19.3 W/kg

System Performance Check Data (5750MHz Head)

Date: 2023.04.22

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

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.236$ S/m; $\epsilon_r = 34.501$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°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 Sn1454; Calibrated: 2022.11.18
- 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 5750/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.88 W/kg

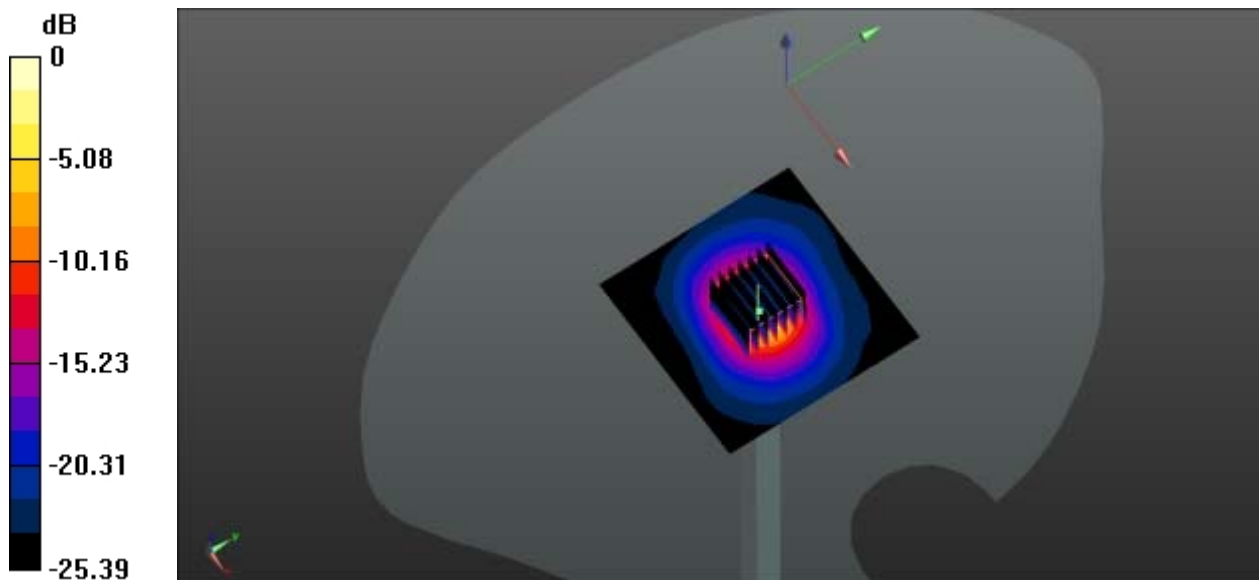
CW 5750/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.25 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 36.5 W/kg

SAR(1 g) = 7.88 W/kg; SAR(10 g) = 2.15 W/kg

Maximum value of SAR (measured) = 16.7 W/kg



0 dB = 16.7 W/kg

System Performance Check Data (5750MHz Head)

Date: 2023.04.23

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

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.161$ S/m; $\epsilon_r = 35.229$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°C Liquid Temperature: 21.4°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 Sn1454; Calibrated: 2022.11.18
- 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 5750/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.89 W/kg

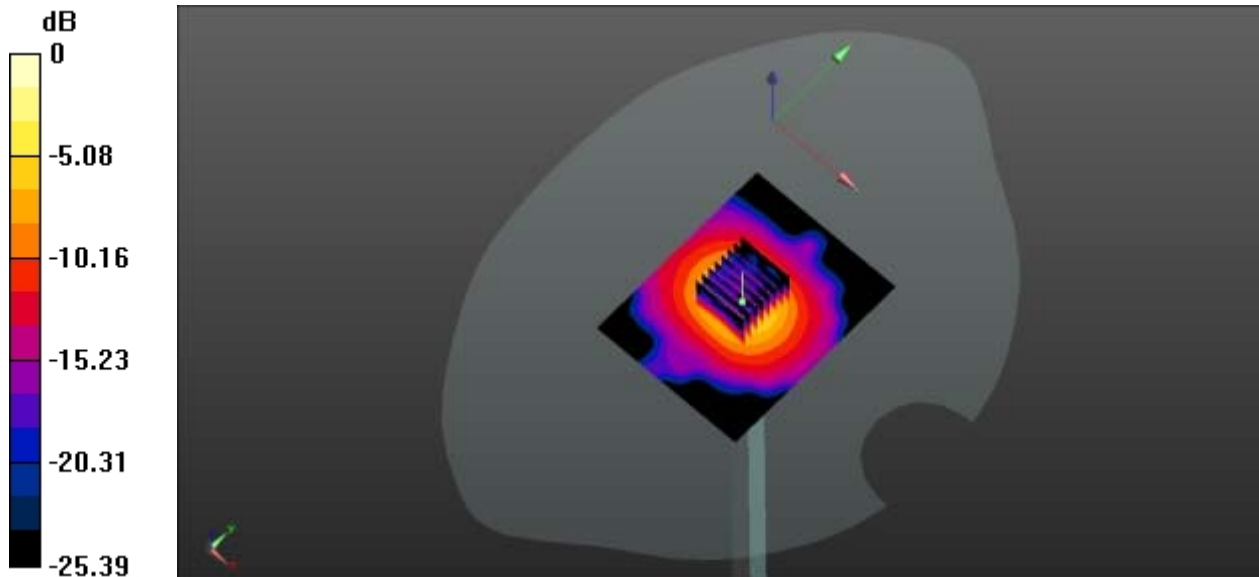
CW 5750/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.26 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 36.3 W/kg

SAR(1 g) = 7.98 W/kg; SAR(10 g) = 2.22 W/kg

Maximum value of SAR (measured) = 15.6 W/kg



0 dB = 15.6 W/kg

System Performance Check Data (2450MHz Head)

Date: 2023.04.24

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.808$ S/m; $\epsilon_r = 39.656$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°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: 2022.11.18
- 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 2450/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

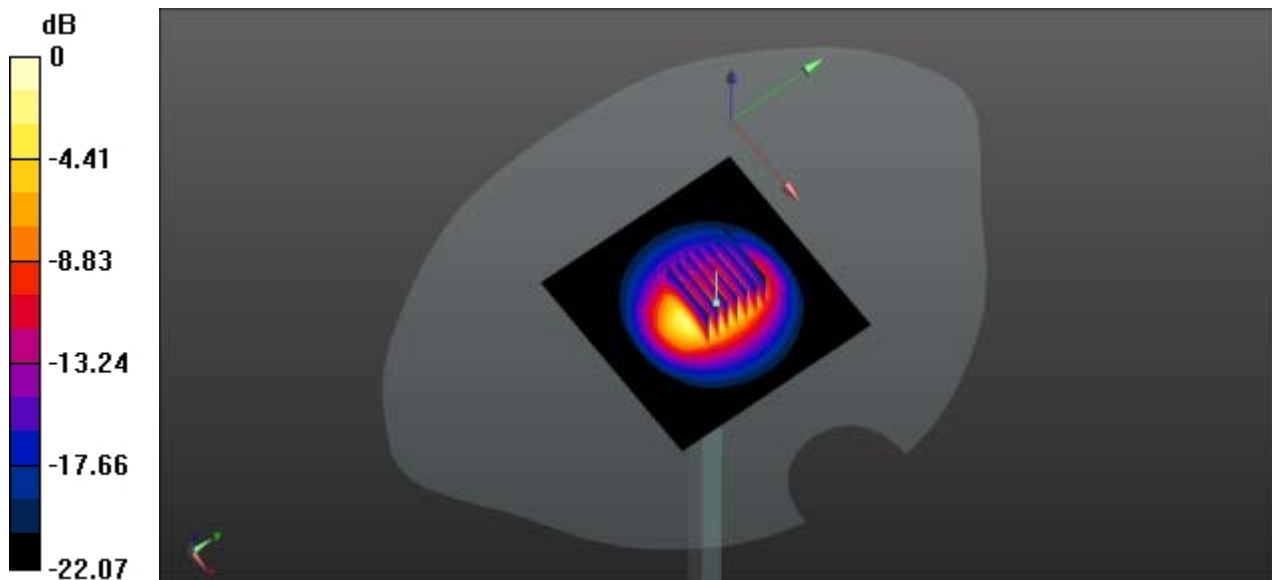
CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.07 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.45 W/kg; SAR(10 g) = 2.47 W/kg

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



0 dB = 6.22 W/kg

System Performance Check Data (2450MHz Head)

Date: 2023.04.25

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.754$ S/m; $\epsilon_r = 39.365$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.78, 7.78, 7.78); Calibrated: 2023.01.19;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2022.11.18
- 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 2450/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

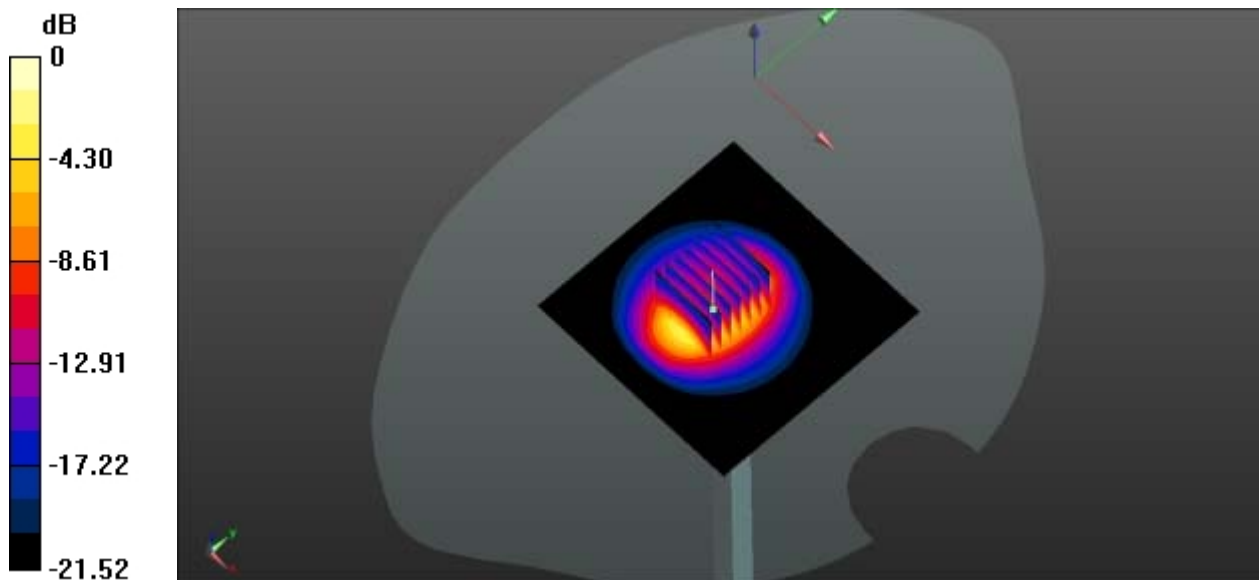
CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.26 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 10.8 W/kg

SAR(1 g) = 5.38 W/kg; SAR(10 g) = 2.48 W/kg

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



0 dB = 6.18 W/kg

System Performance Check Data (2450MHz Head)

Date: 2023.04.26

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.86$ S/m; $\epsilon_r = 38.079$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.16 W/kg

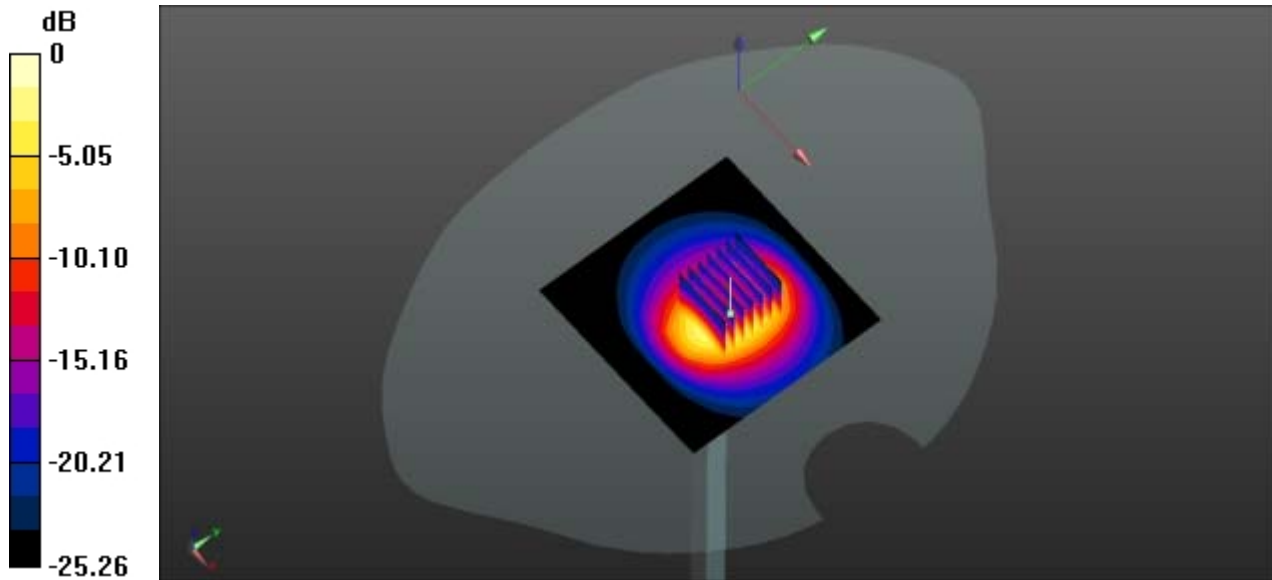
CW2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.45 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 13.8 W/kg

SAR(1 g) = 5.42 W/kg; SAR(10 g) = 2.51 W/kg

Maximum value of SAR (measured) = 6.06 W/kg



0 dB = 6.06 W/kg

ANNEX C TEST DATA

Meas.1 Left Head with Cheek on Middle Channel in GPRS850 2slots mode with Antenna 0

Date: 2023.04.07

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.927$ S/m; $\epsilon_r = 40.554$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.162 W/kg

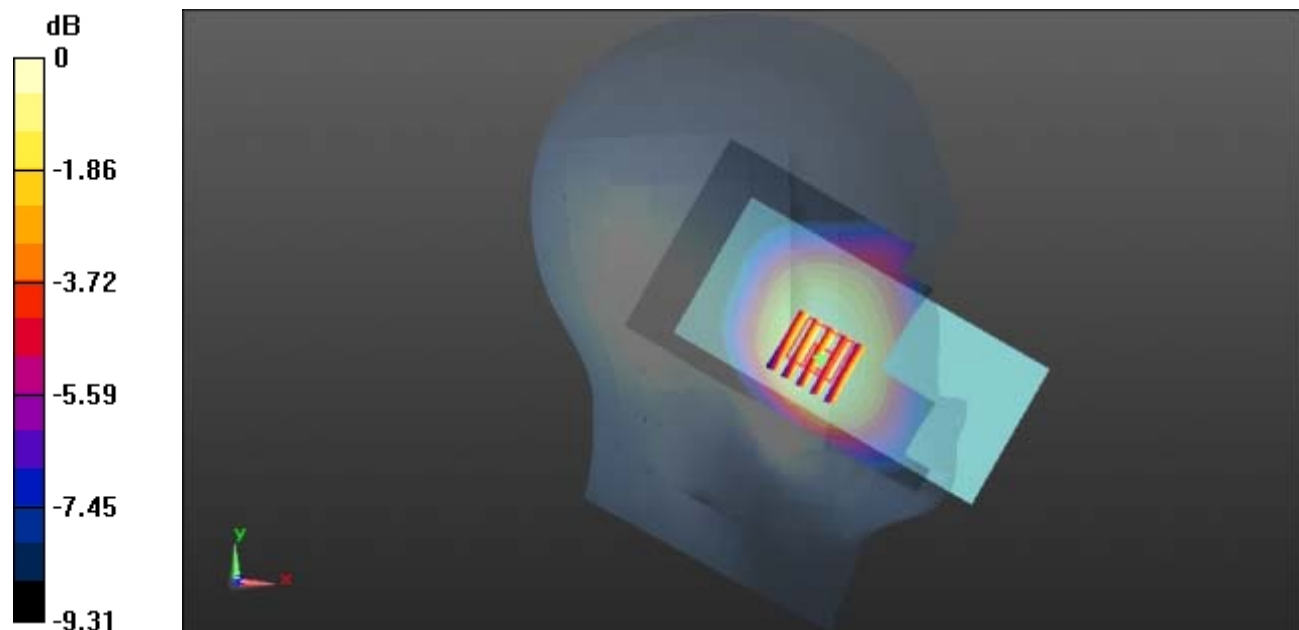
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.120 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.185 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.161 W/kg



0 dB = 0.161 W/kg

Meas.2 Body Plane with Back Side 15mm on Middle Channel in GPRS850 2slots mode with Antenna 0

Date: 2023.04.07

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.927$ S/m; $\epsilon_r = 40.554$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.191 W/kg

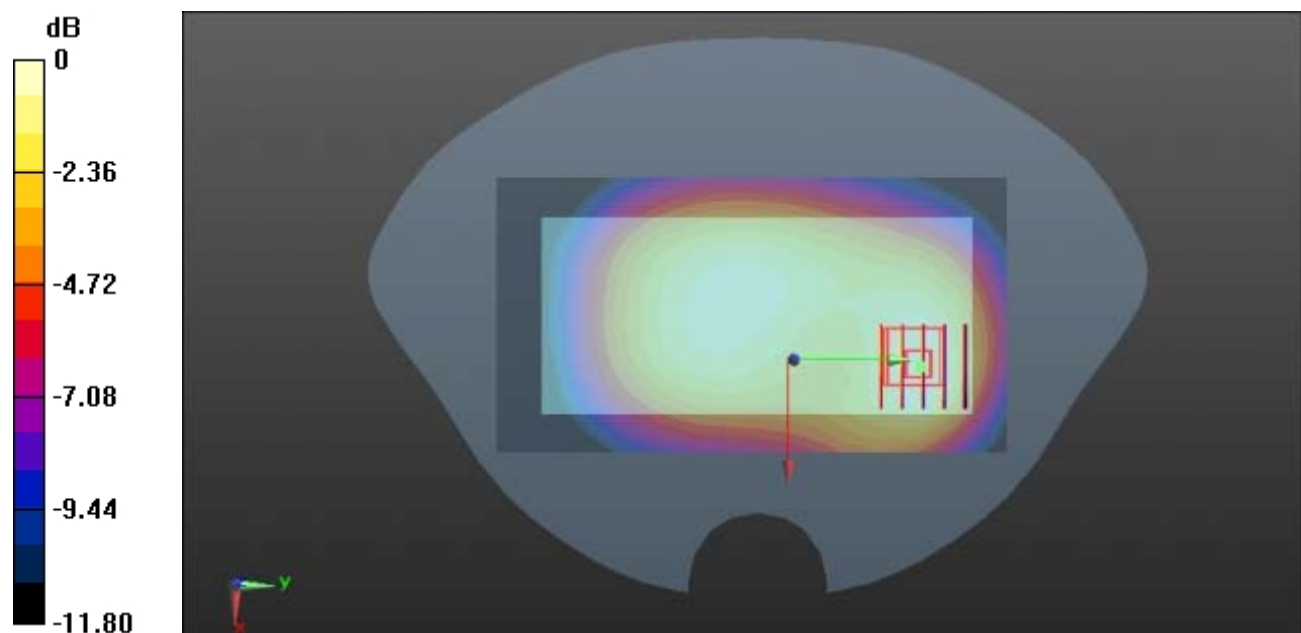
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.52 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.242 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.186 W/kg



0 dB = 0.186 W/kg

Meas.3 Body Plane with Back Side 10mm on Middle Channel in GPRS850 2slots mode with Antenna 0

Date: 2023.04.07

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.927$ S/m; $\epsilon_r = 40.554$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.323 W/kg

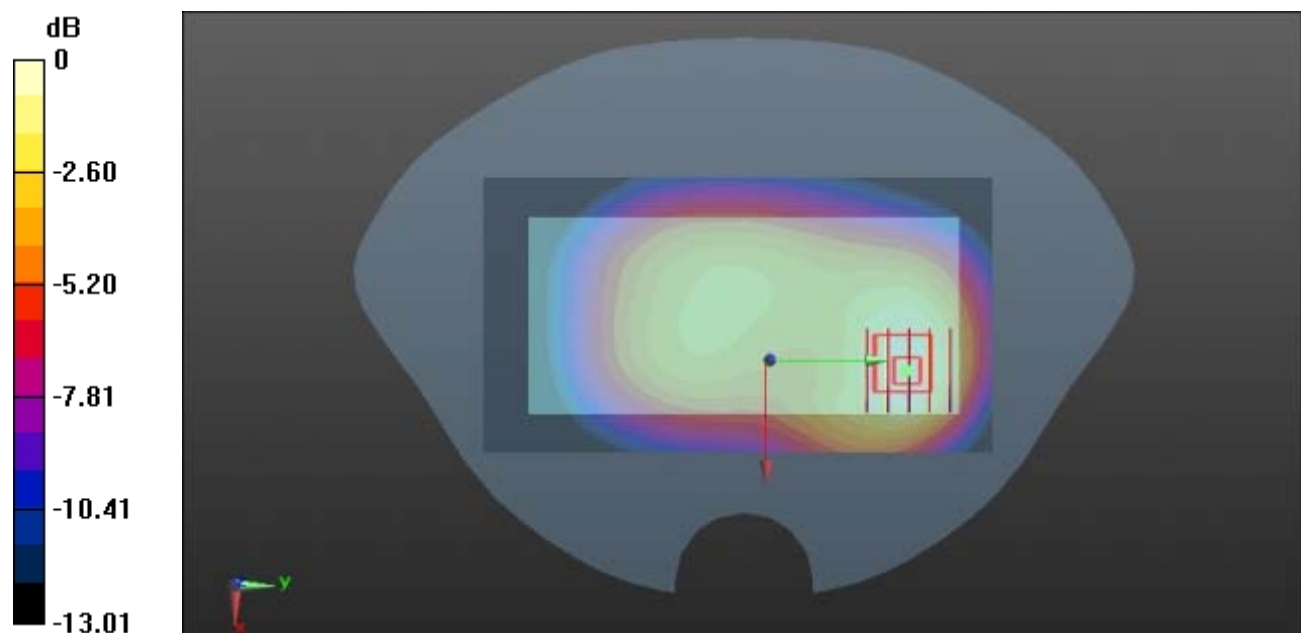
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.62 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.427 W/kg

SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.194 W/kg

Maximum value of SAR (measured) = 0.314 W/kg



0 dB = 0.314 W/kg

Meas.4 Right Head with Cheek on Middle Channel in GPRS1900 2slots mode with Antenna 3

Date: 2023.04.24

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 40.092$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.25, 8.25, 8.25); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.845 W/kg

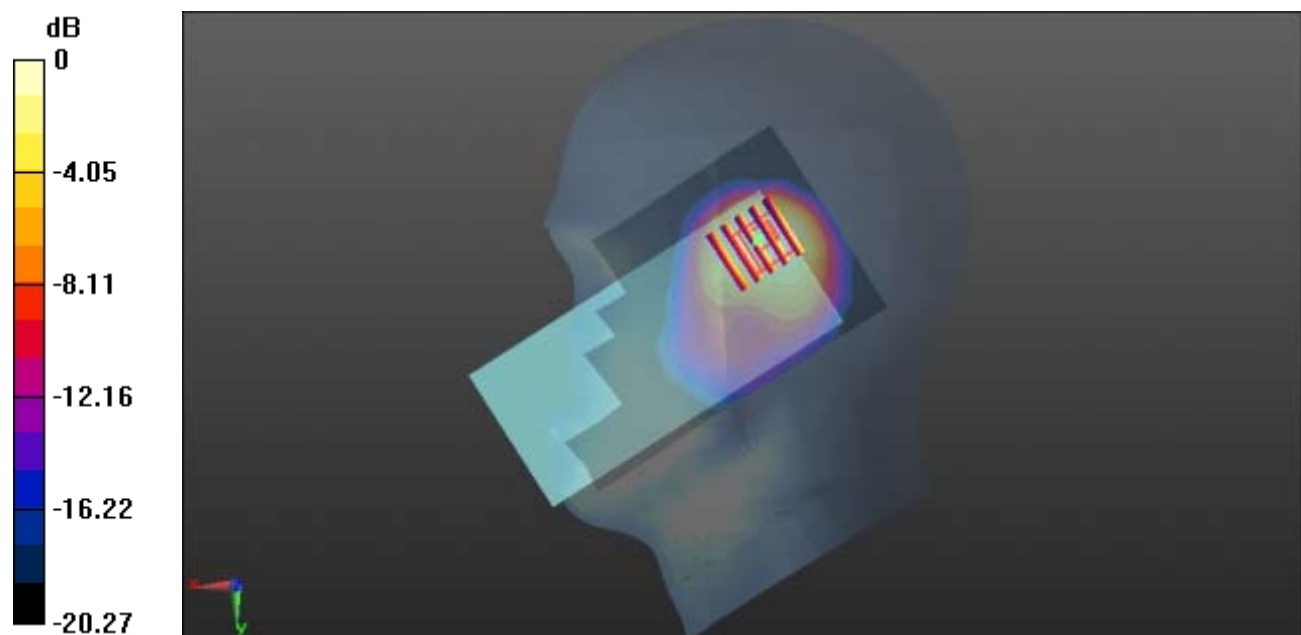
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.64 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.748 W/kg; SAR(10 g) = 0.408 W/kg

Maximum value of SAR (measured) = 0.782 W/kg



0 dB = 0.782 W/kg

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

Antenna 3

Date: 2023.04.24

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 40.092$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.25, 8.25, 8.25); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.156 W/kg

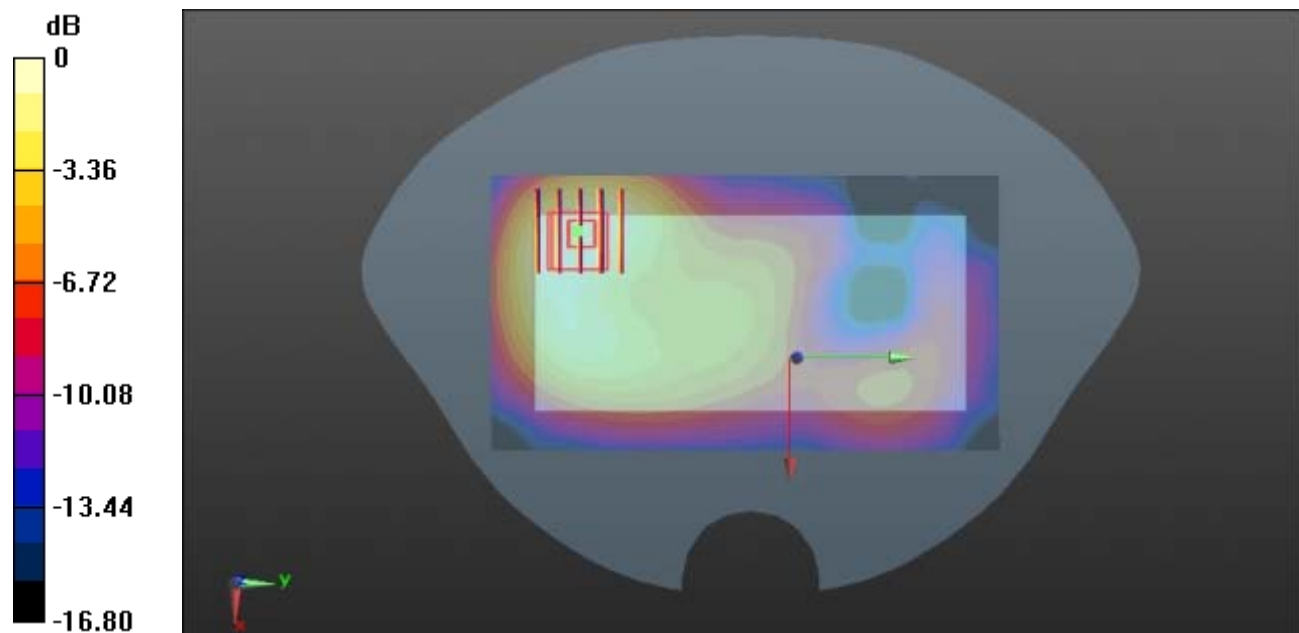
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.342 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.232 W/kg

SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.086 W/kg

Maximum value of SAR (measured) = 0.153 W/kg



0 dB = 0.153 W/kg

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

Antenna 3

Date: 2023.04.24

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 40.092$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.25, 8.25, 8.25); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.375 W/kg

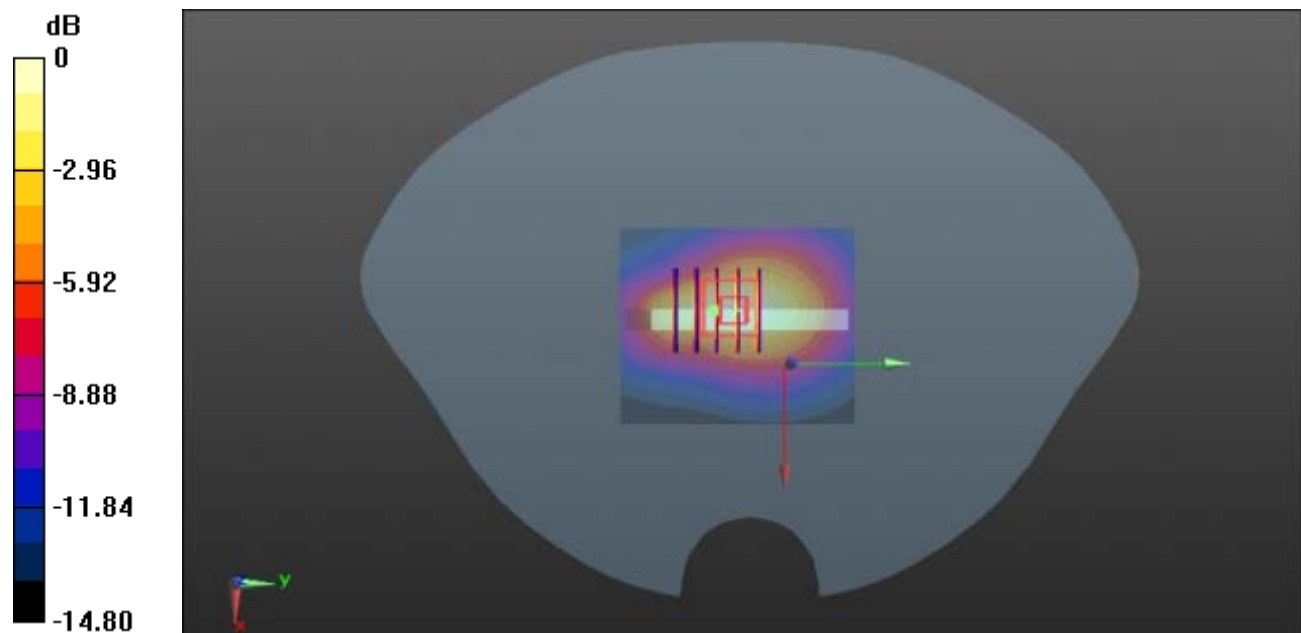
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.18 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.537 W/kg

SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.185 W/kg

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



0 dB = 0.364 W/kg

Meas.7 Right Head with Cheek on Middle Channel in WCDMA Band2 mode with Antenna 3

Date: 2023.04.25

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.409$ S/m; $\epsilon_r = 39.552$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.25, 8.25, 8.25); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.706 W/kg

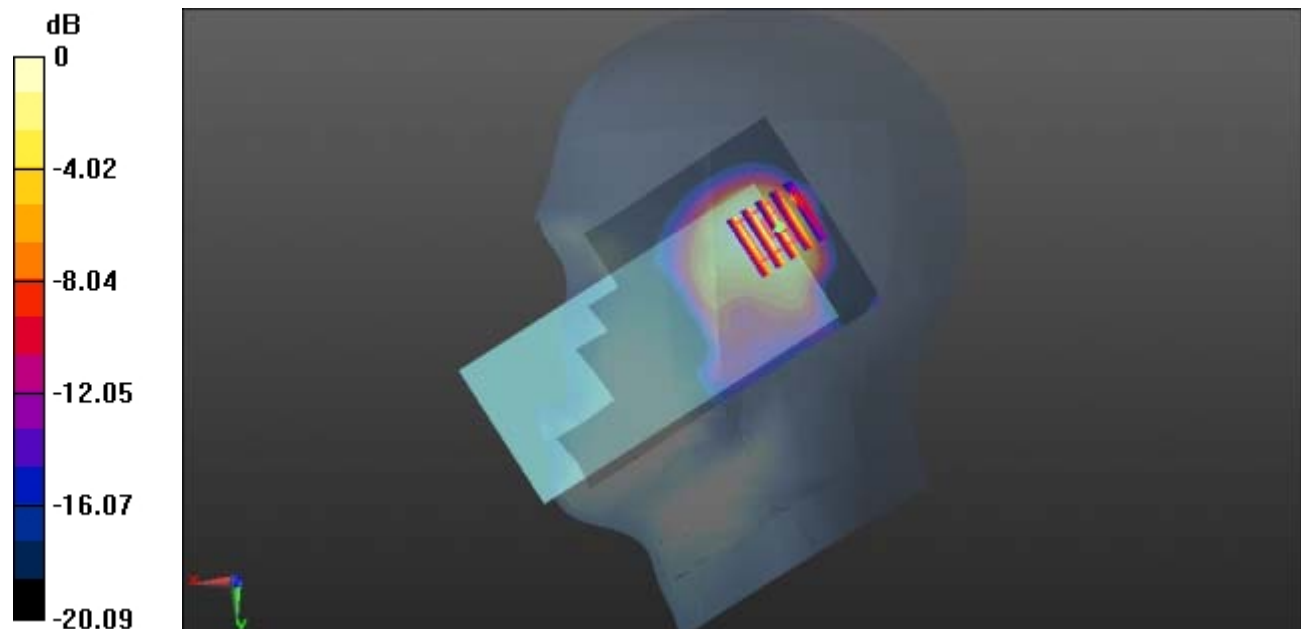
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.35 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.315 W/kg

Maximum value of SAR (measured) = 0.709 W/kg



0 dB = 0.709 W/kg

Meas.8 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band2 mode with Antenna 4

Date: 2023.04.25

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.409$ S/m; $\epsilon_r = 39.552$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.25, 8.25, 8.25); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.166 W/kg

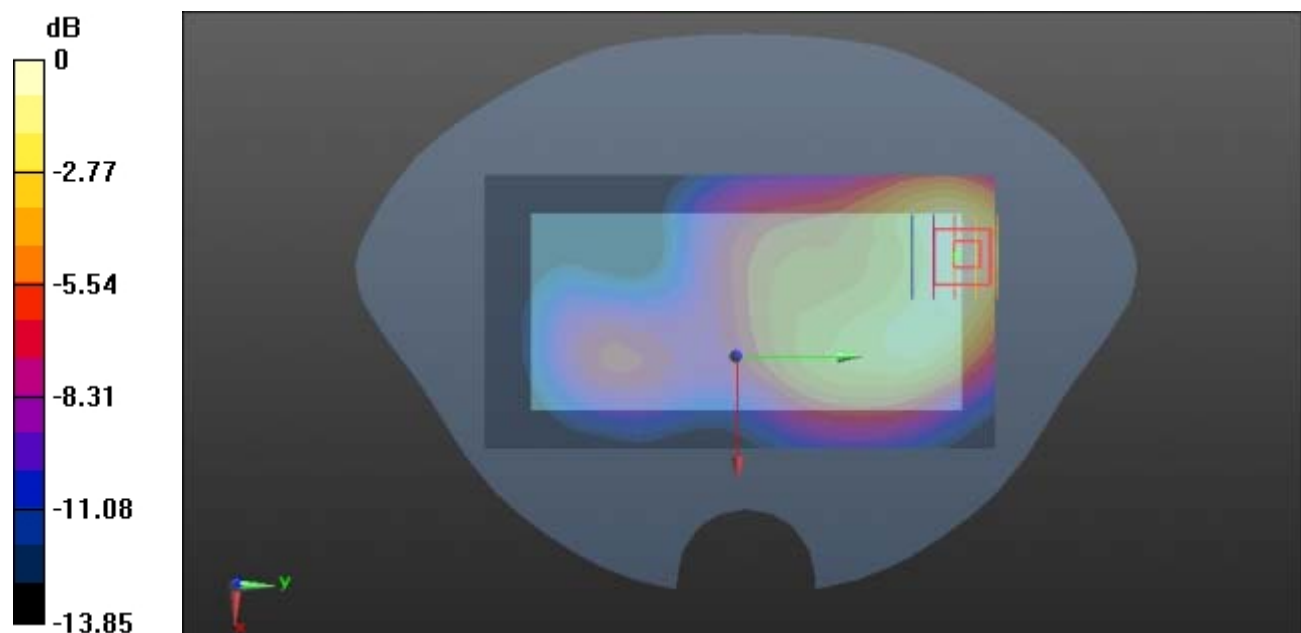
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.739 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.244 W/kg

SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.093 W/kg

Maximum value of SAR (measured) = 0.165 W/kg



0 dB = 0.165 W/kg

Meas.9 Body Plane with Top Edge 10mm on Middle Channel in WCDMA Band2 mode with Antenna 3

Date: 2023.04.25

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.409$ S/m; $\epsilon_r = 39.552$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.25, 8.25, 8.25); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.261 W/kg

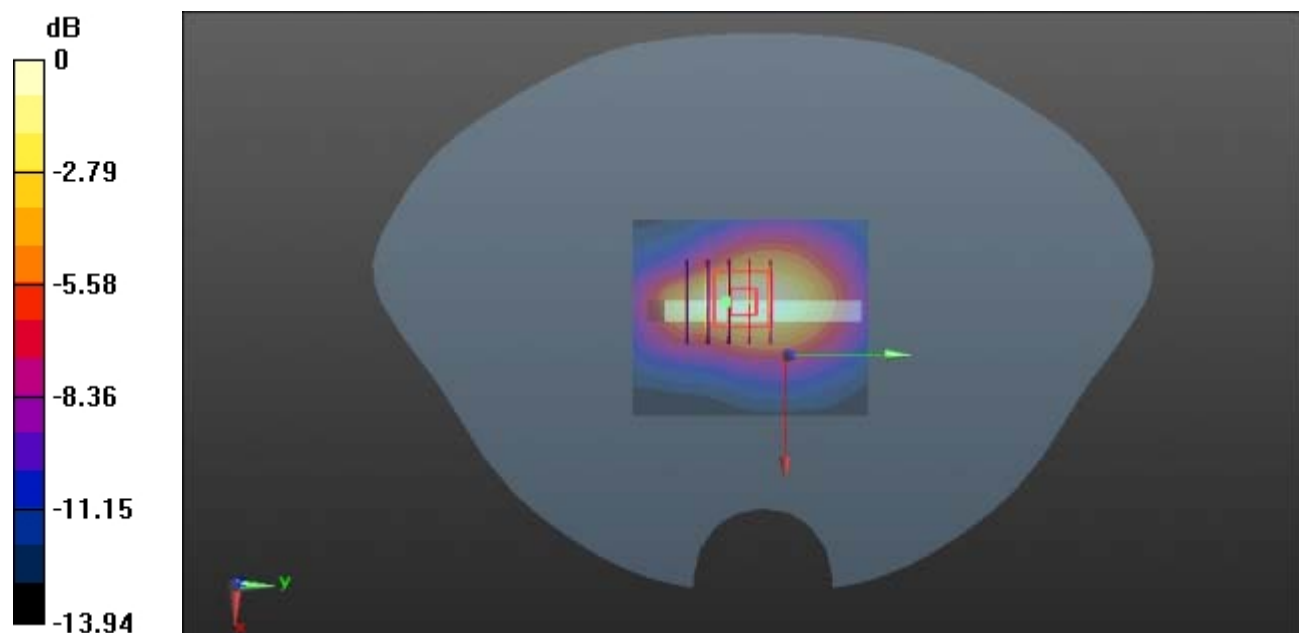
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.56 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.370 W/kg

SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.128 W/kg

Maximum value of SAR (measured) = 0.250 W/kg



0 dB = 0.250 W/kg

Meas.10 Right Head with Cheek on High Channel in WCDMA Band4 mode with Antenna 3

Date: 2023.04.14

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

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 39.527$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.687 W/kg

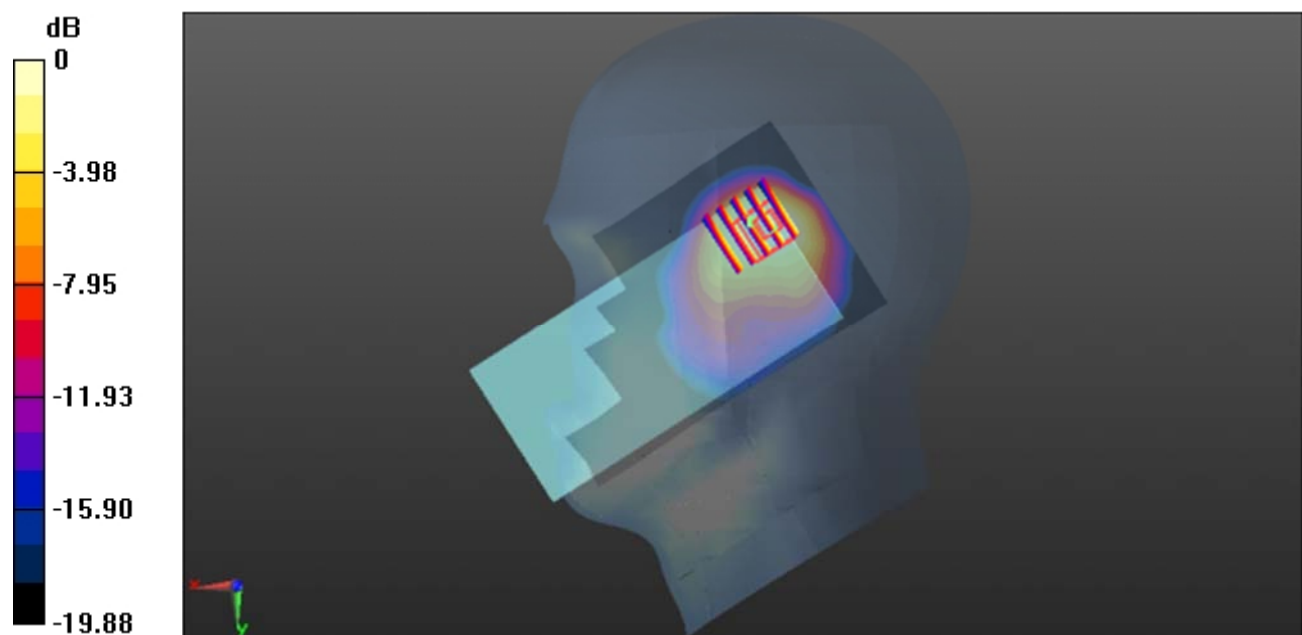
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.36 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.343 W/kg

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



0 dB = 0.694 W/kg

Meas.11 Body Plane with Back Side 15mm on Low Channel in WCDMA Band4 mode with Antenna 4

Date: 2023.04.14

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

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.343$ S/m; $\epsilon_r = 40.959$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.160 W/kg

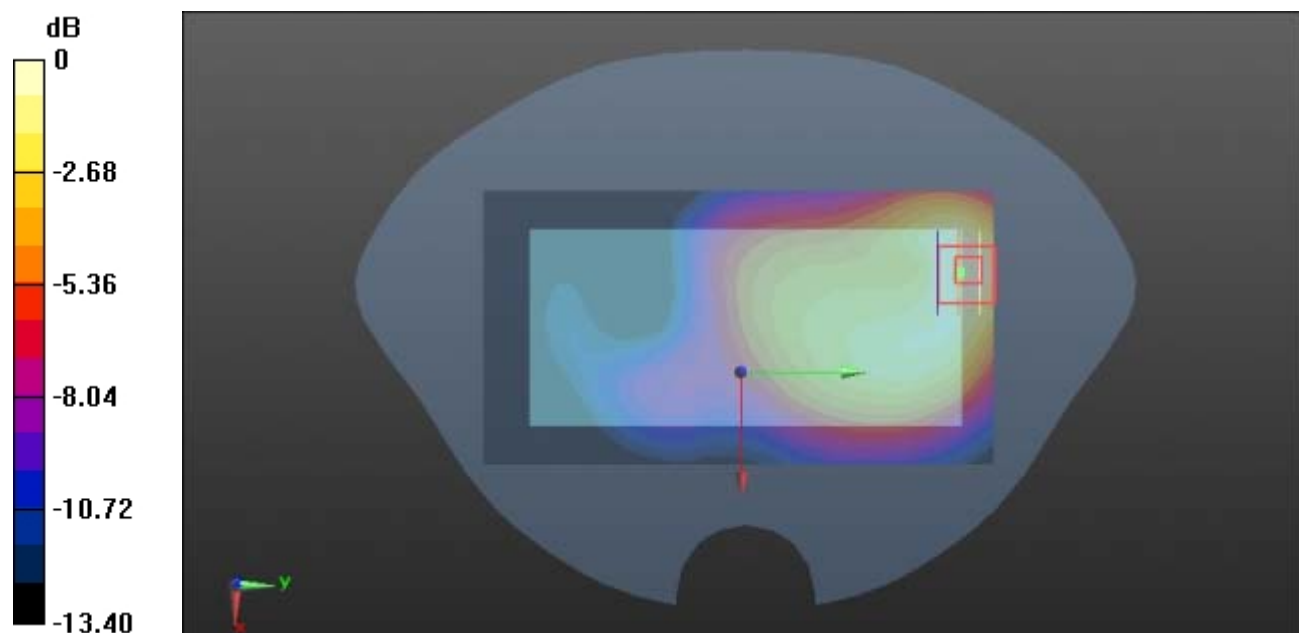
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.295 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.240 W/kg

SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.163 W/kg



0 dB = 0.163 W/kg

Meas.12 Body Plane with Top Edge 10mm on Low Channel in WCDMA Band4 mode with Antenna 3

Date: 2023.04.14

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

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.343$ S/m; $\epsilon_r = 40.959$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1312/Area Scan (51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.346 W/kg

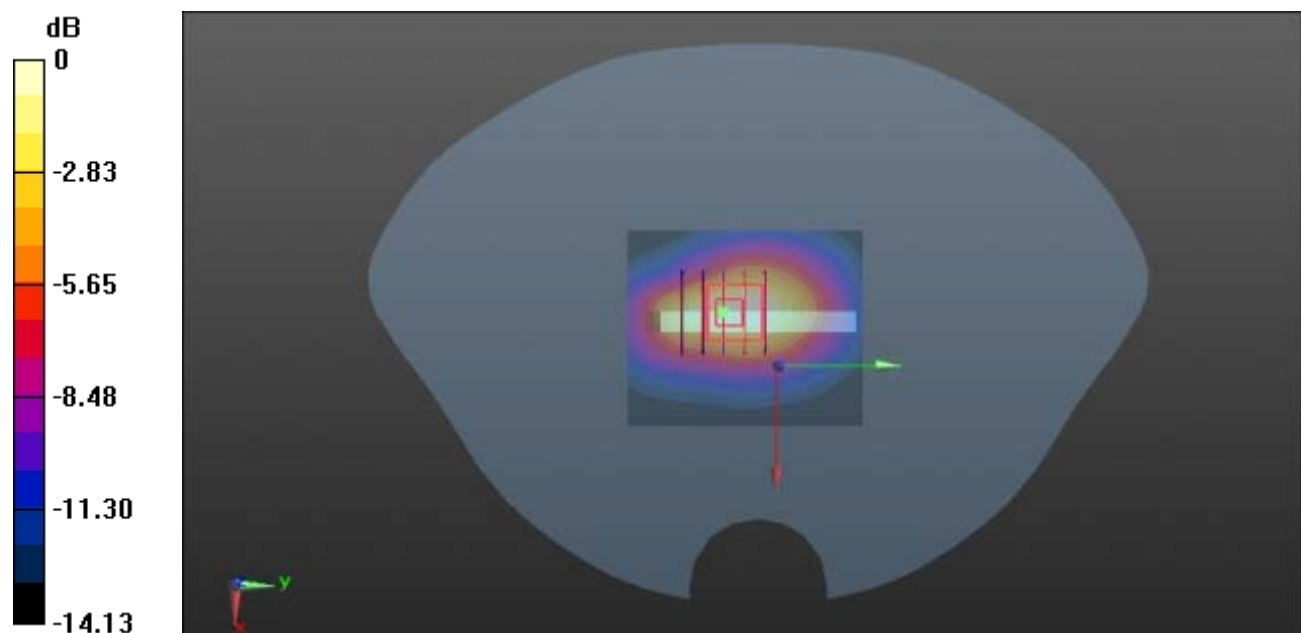
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.00 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.473 W/kg

SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.164 W/kg

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



0 dB = 0.322 W/kg

Meas.13 Right Head with Cheek on Middle Channel in WCDMA Band5 mode with Antenna 1

Date: 2023.04.07

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.923$ S/m; $\epsilon_r = 40.67$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.250 W/kg

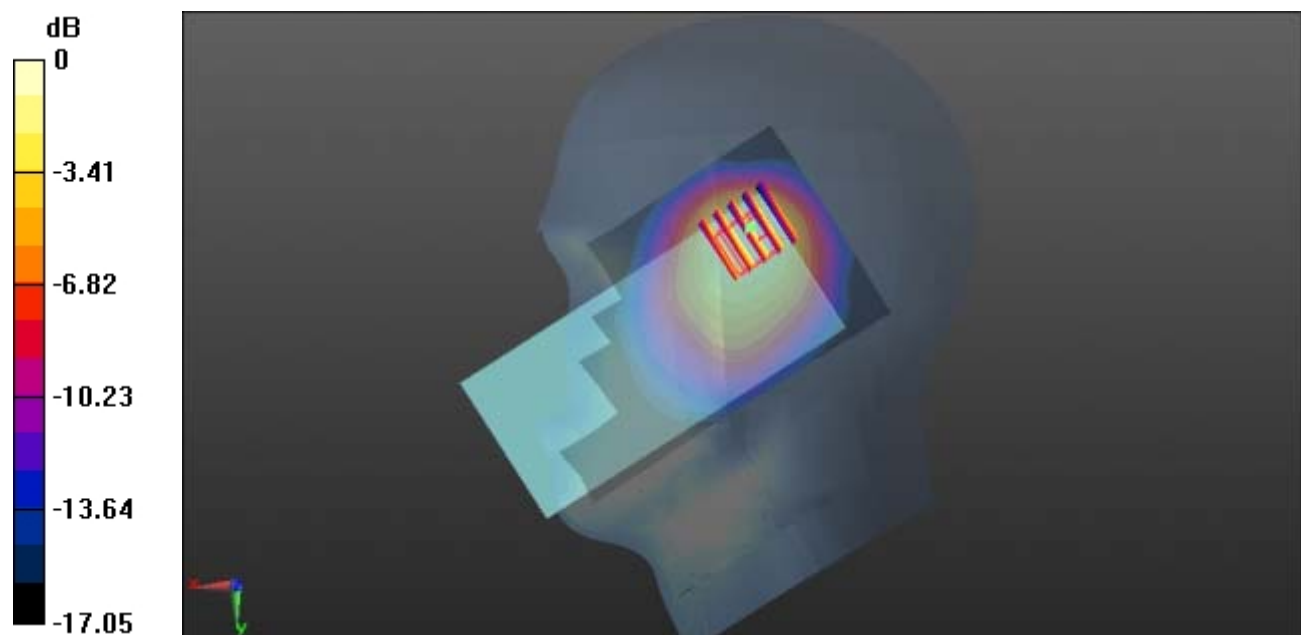
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.523 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.406 W/kg

SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.119 W/kg

Maximum value of SAR (measured) = 0.210 W/kg



0 dB = 0.210 W/kg

Meas.14 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band5 mode with Antenna 0

Date: 2023.04.07

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.923$ S/m; $\epsilon_r = 40.67$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.127 W/kg

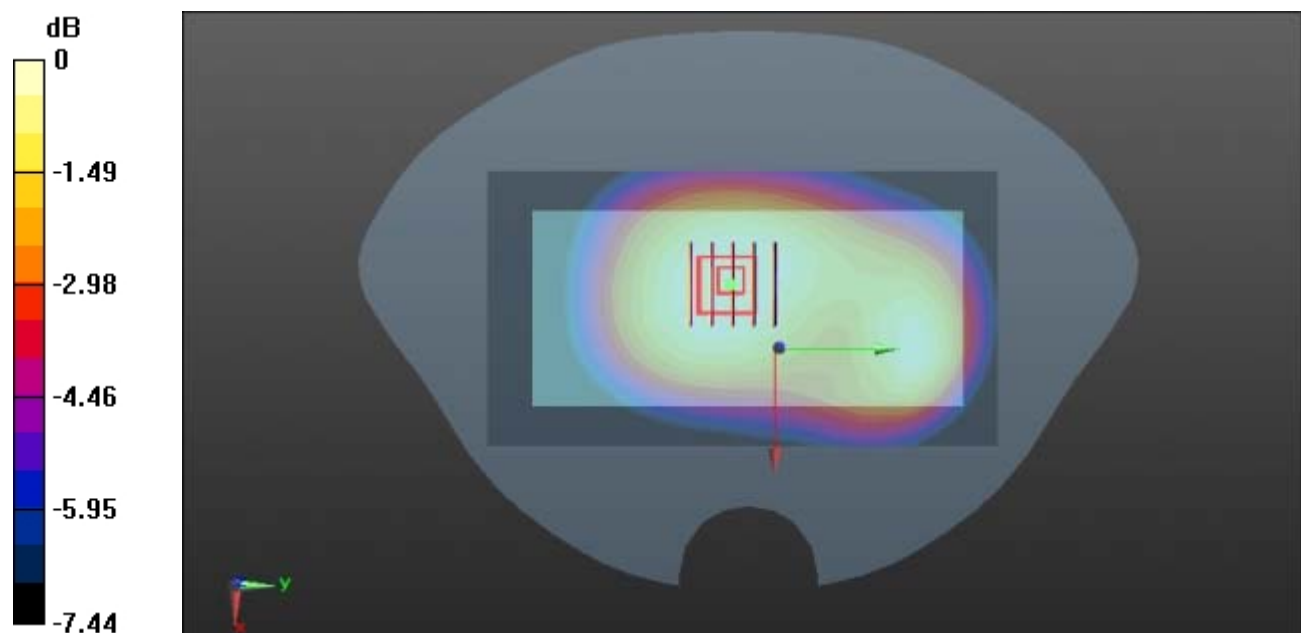
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.58 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.142 W/kg

SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 0.122 W/kg



0 dB = 0.122 W/kg

Meas.15 Body Plane with Back Side 10mm on Middle Channel in WCDMA Band5 mode with Antenna 0

Date: 2023.04.07

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.923$ S/m; $\epsilon_r = 40.67$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.152 W/kg

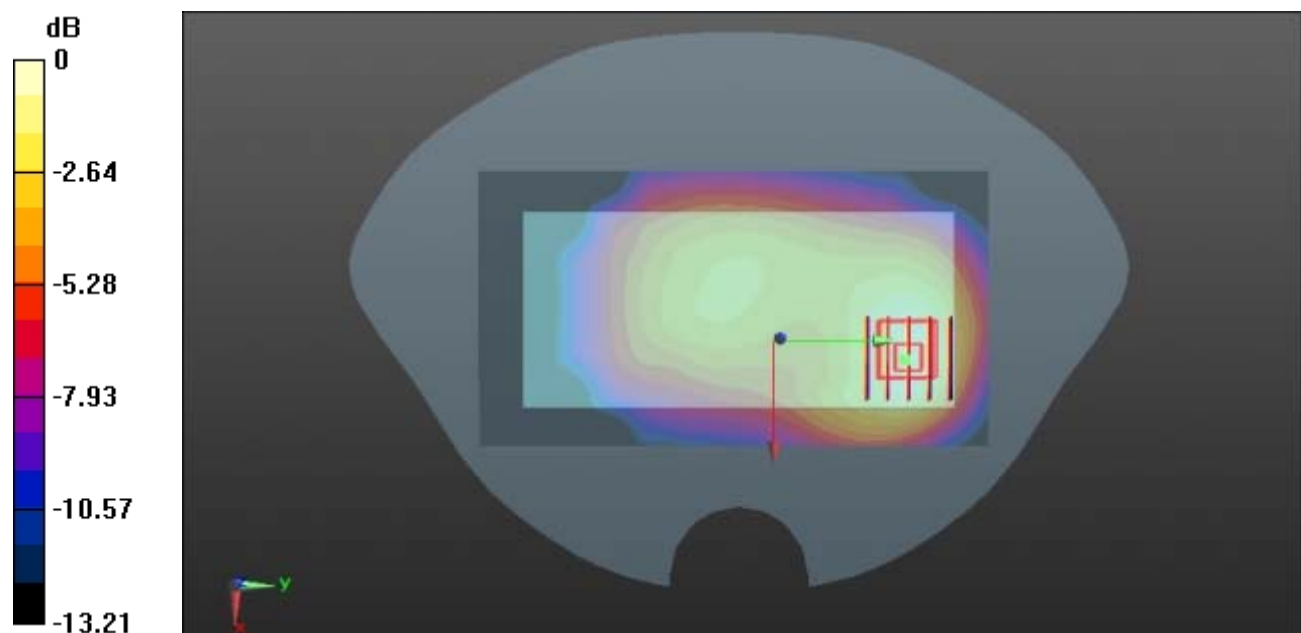
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.796 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.092 W/kg

Maximum value of SAR (measured) = 0.150 W/kg



0 dB = 0.150 W/kg

Meas.16 Right Head with Cheek on High Channel in LTE Band2 mode with Antenna 3

Date: 2 • 023.04.25

Communication System Band: BAND 2; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 39.388$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.25, 8.25, 8.25); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.796 W/kg

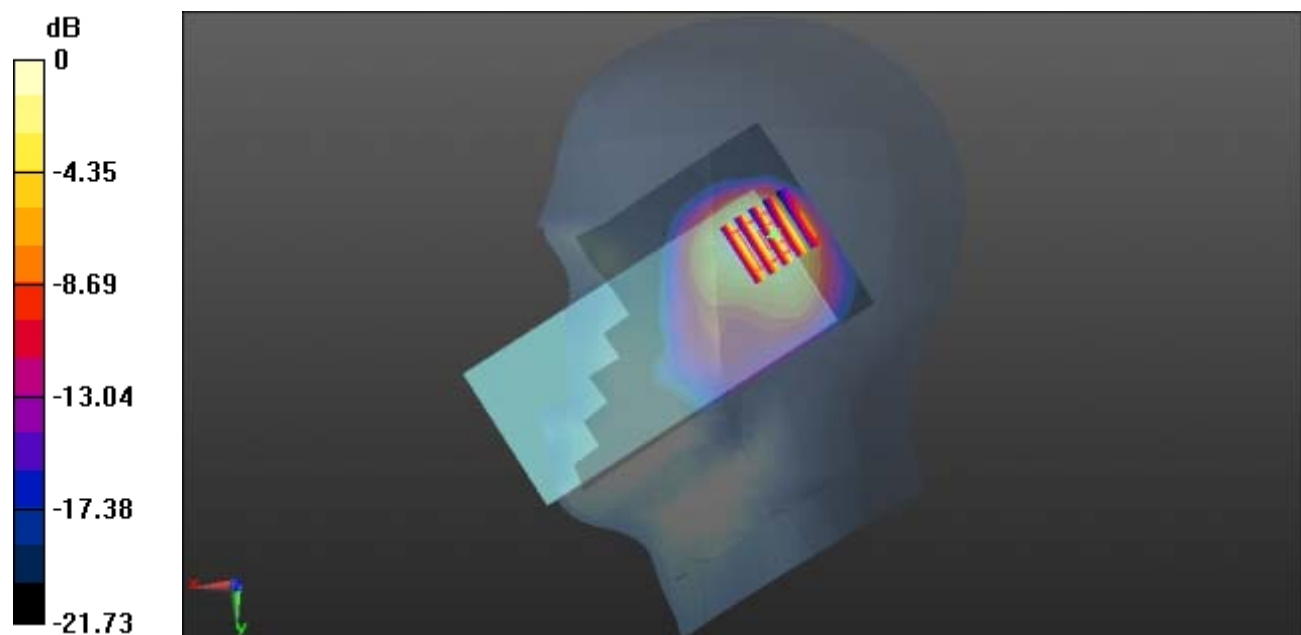
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.89 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.657 W/kg; SAR(10 g) = 0.347 W/kg

Maximum value of SAR (measured) = 0.739 W/kg



0 dB = 0.739 W/kg = -1.31 dBW/kg

Meas.17 Body Plane with Back Side 15mm on High Channel in LTE Band2 mode with Antenna 4

Date: 2023.04.25

Communication System Band: BAND 2; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 39.388$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.25, 8.25, 8.25); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.276 W/kg

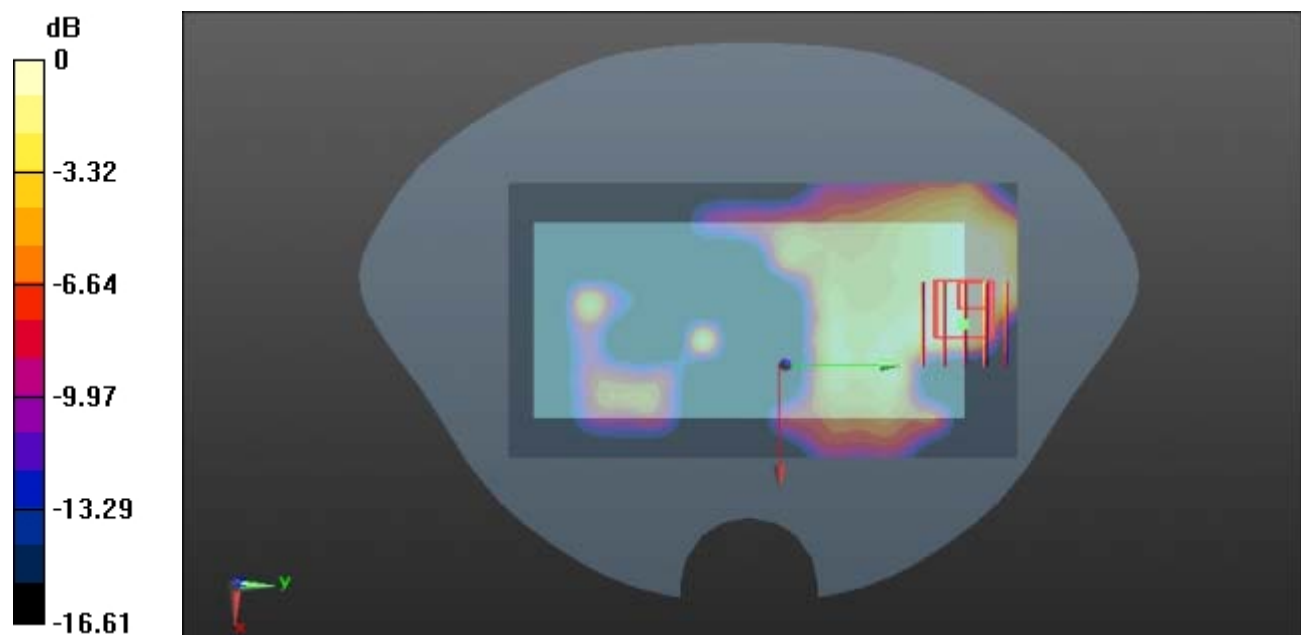
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.435 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.259 W/kg

SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.180 W/kg



0 dB = 0.180 W/kg

Meas.18 Body Plane with Bottom Edge 10mm on High Channel in LTE Band2 mode with Antenna 4

Date: 2023.04.25

Communication System Band: BAND 2; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 39.388$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.25, 8.25, 8.25); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.337 W/kg

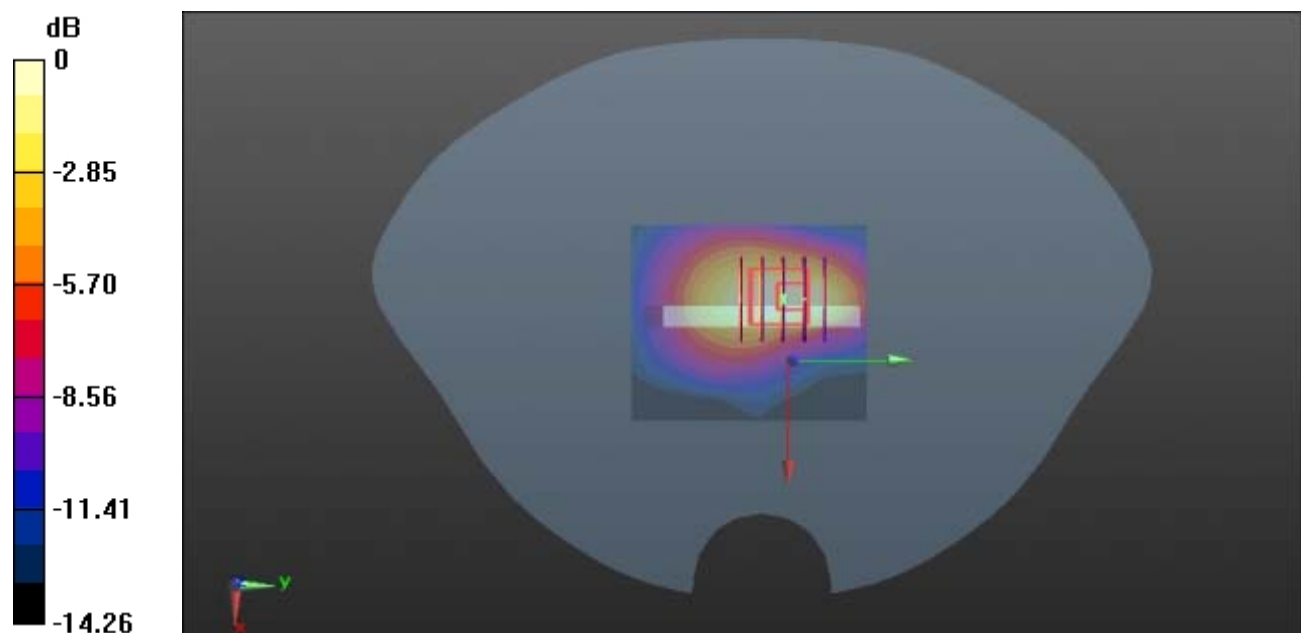
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.601 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.487 W/kg

SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.161 W/kg

Maximum value of SAR (measured) = 0.319 W/kg



0 dB = 0.319 W/kg

Meas.19 Body Plane with Bottom Edge 0mm on High Channel in LTE Band2 mode with Antenna 4

Date: 2023.04.25

Communication System Band: BAND 2; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 39.388$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.25, 8.25, 8.25); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.29 W/kg

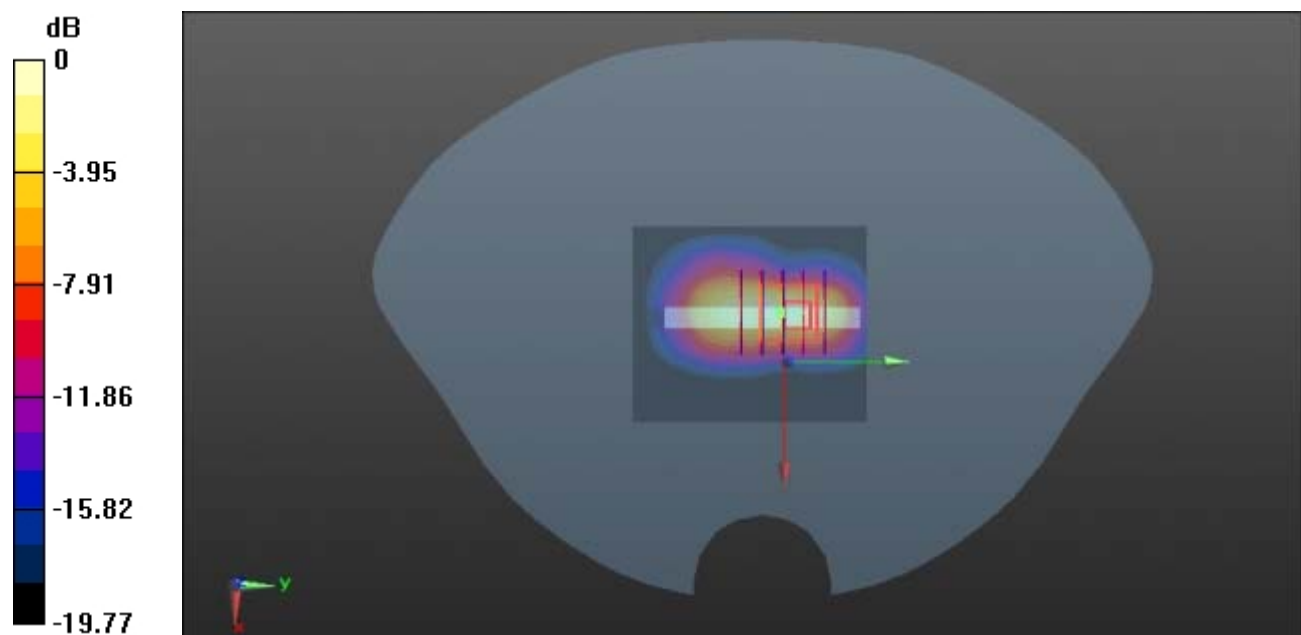
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 43.38 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 6.87 W/kg

SAR(1 g) = 2.89 W/kg; SAR(10 g) = 1.19 W/kg

Maximum value of SAR (measured) = 3.62 W/kg



0 dB = 3.62 W/kg

Meas.20 Right Head with Cheek on Middle Channel in LTE Band4 mode with Antenna 3

Date: 2023.04.15

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.366$ S/m; $\epsilon_r = 40.353$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.645 W/kg

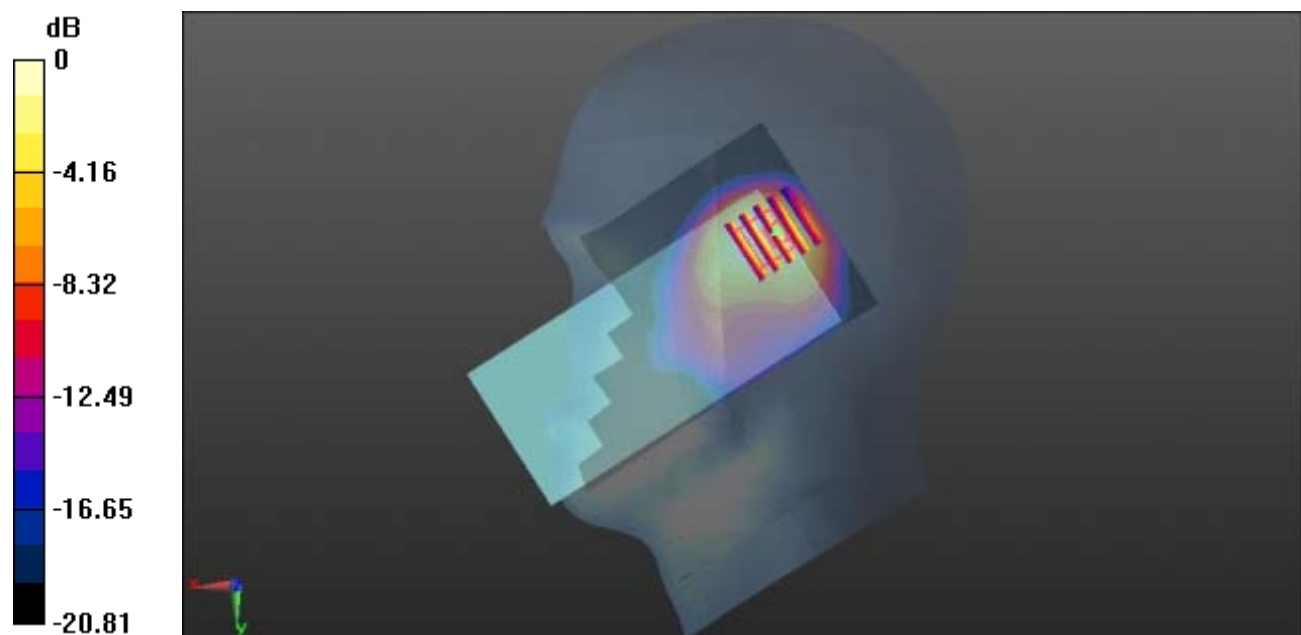
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.17 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.290 W/kg

Maximum value of SAR (measured) = 0.629 W/kg



0 dB = 0.629 W/kg

Meas.21 Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna 3

Date: 2023.04.15

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.366$ S/m; $\epsilon_r = 40.353$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.192 W/kg

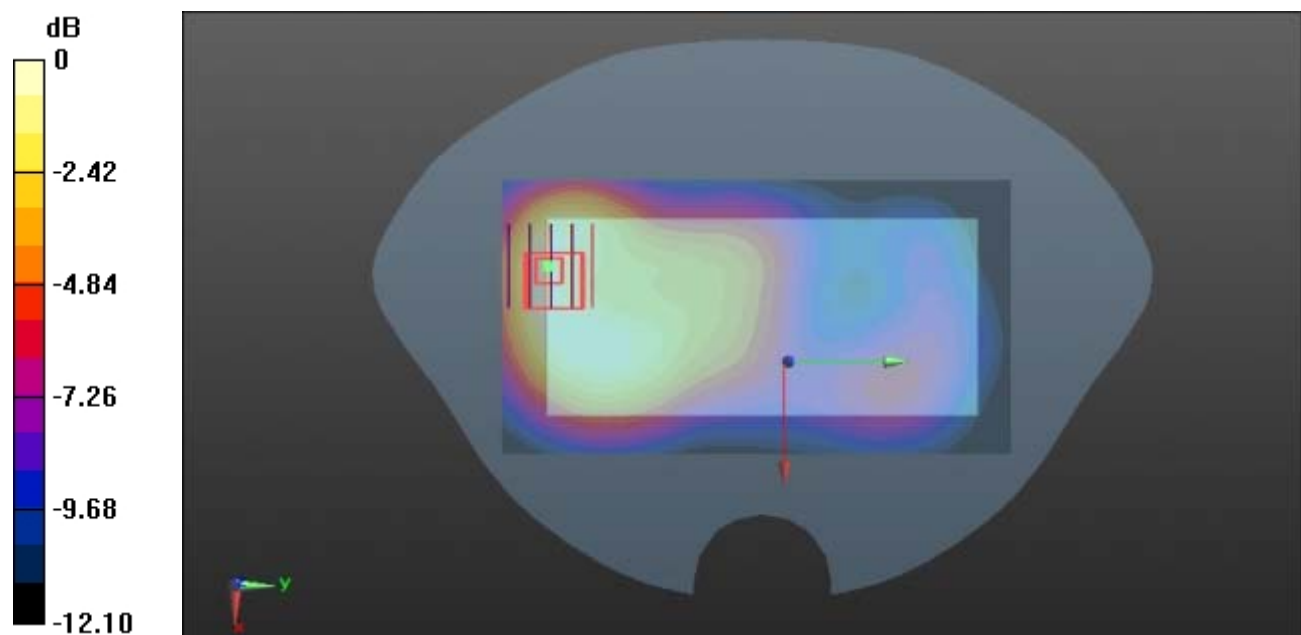
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.399 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.253 W/kg

SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.108 W/kg

Maximum value of SAR (measured) = 0.185 W/kg



0 dB = 0.185 W/kg

Meas.22 Body Plane with Top Edge 10mm on Middle Channel in LTE Band4 mode with Antenna 3

Date: 2023.04.15

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.366$ S/m; $\epsilon_r = 40.353$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

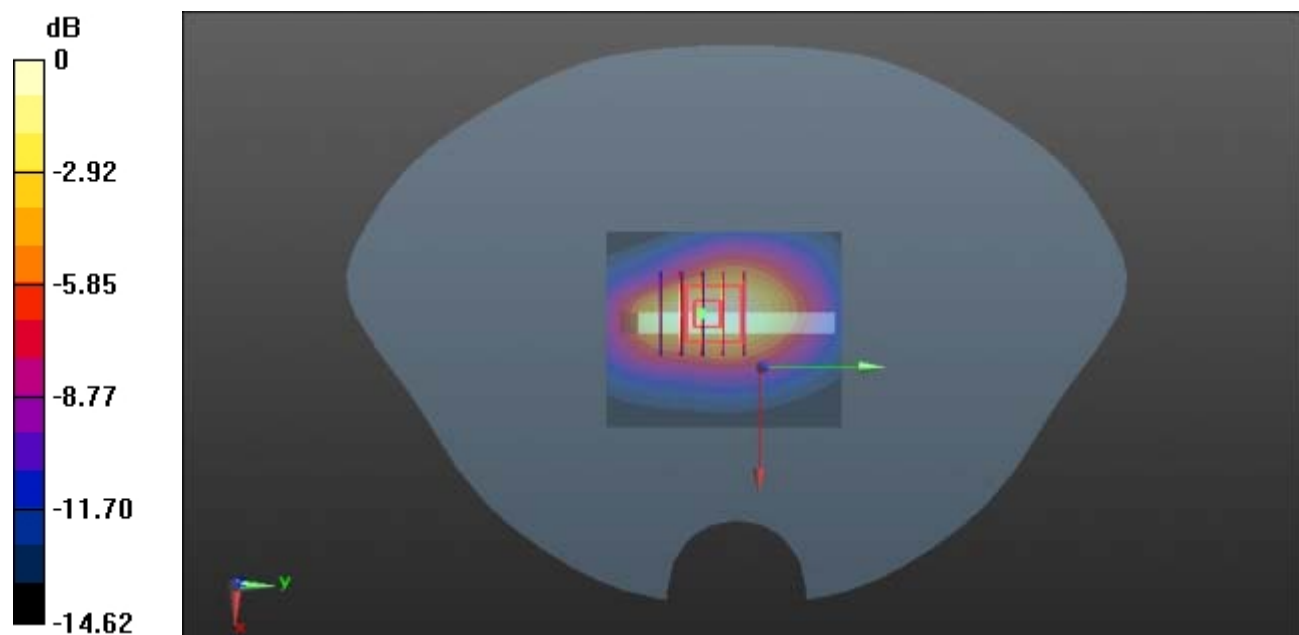
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.76 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.608 W/kg

SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.210 W/kg

Maximum value of SAR (measured) = 0.416 W/kg



0 dB = 0.416 W/kg

Meas.23 Right Head with Cheek on Middle Channel in LTE Band5 mode with Antenna 1

Date: 2023.04.09

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

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.913$ S/m; $\epsilon_r = 42.396$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 20.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.231 W/kg

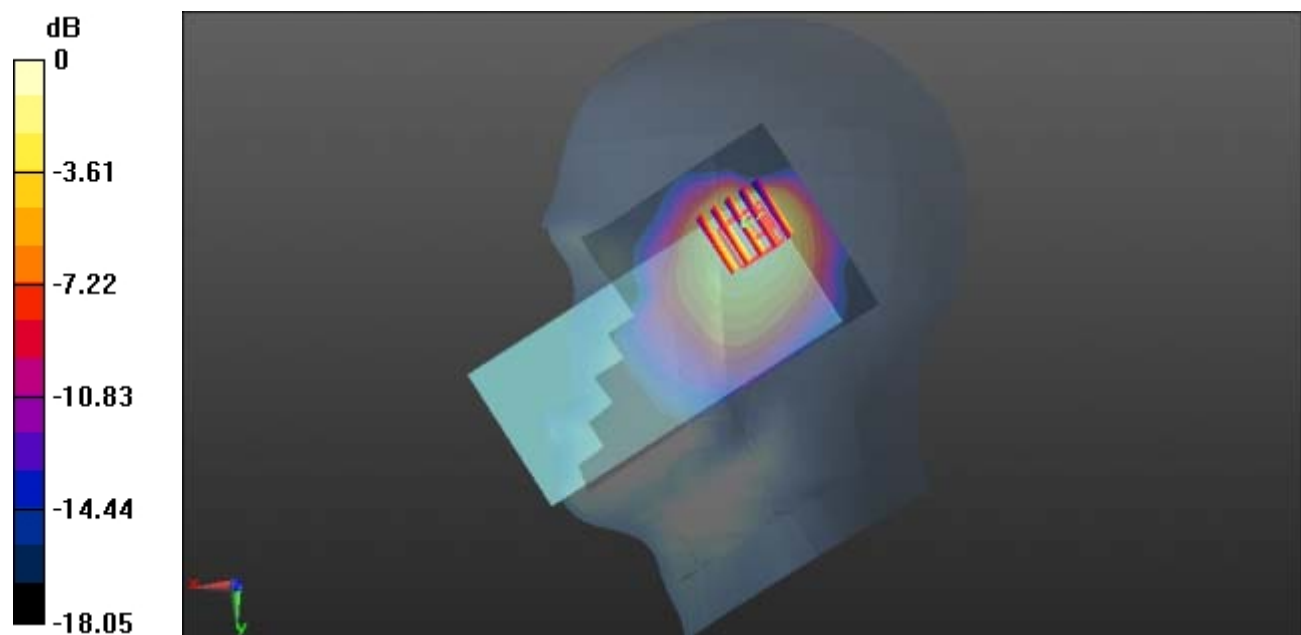
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.35 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.403 W/kg

SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.110 W/kg

Maximum value of SAR (measured) = 0.208 W/kg



0 dB = 0.208 W/kg

Meas.24 Body Plane with Back Side 15mm on Middle Channel in LTE Band5 mode with Antenna 0

Date: 2023.04.09

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

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.913$ S/m; $\epsilon_r = 42.396$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 20.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.133 W/kg

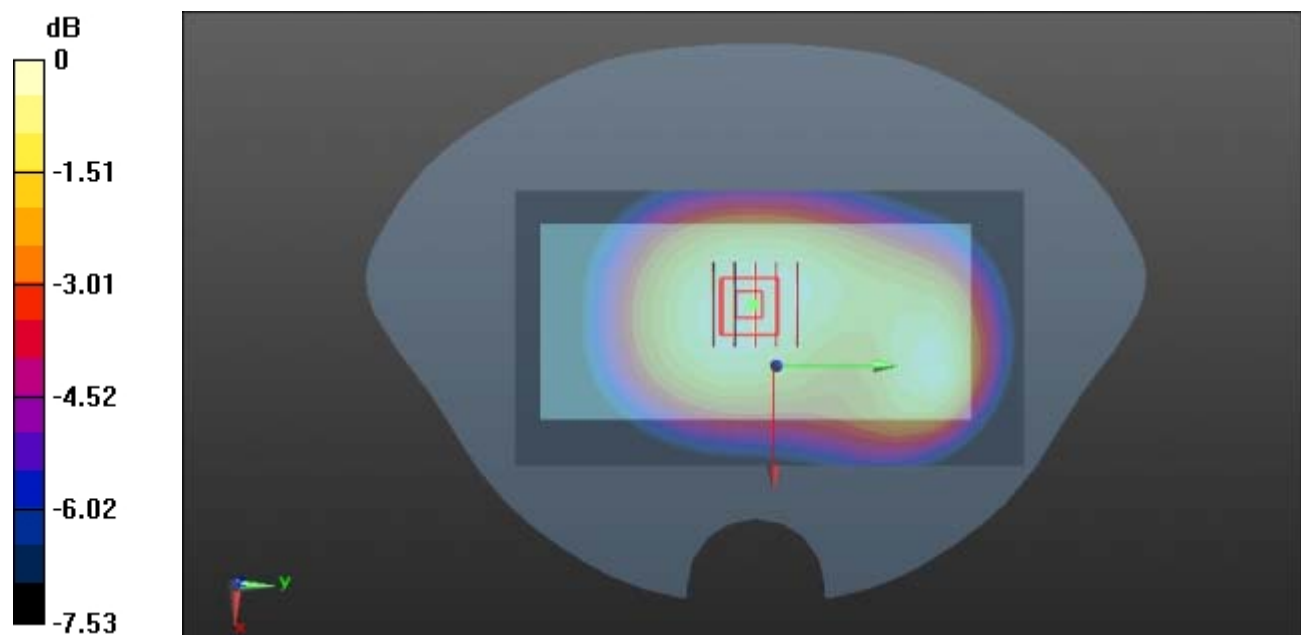
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.89 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.156 W/kg

SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.098 W/kg

Maximum value of SAR (measured) = 0.132 W/kg



0 dB = 0.132 W/kg

Meas.25 Body Plane with Back Side 10mm on Middle Channel in LTE Band5 mode with Antenna 0

Date: 2023.04.09

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

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.913$ S/m; $\epsilon_r = 42.396$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 20.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.210 W/kg

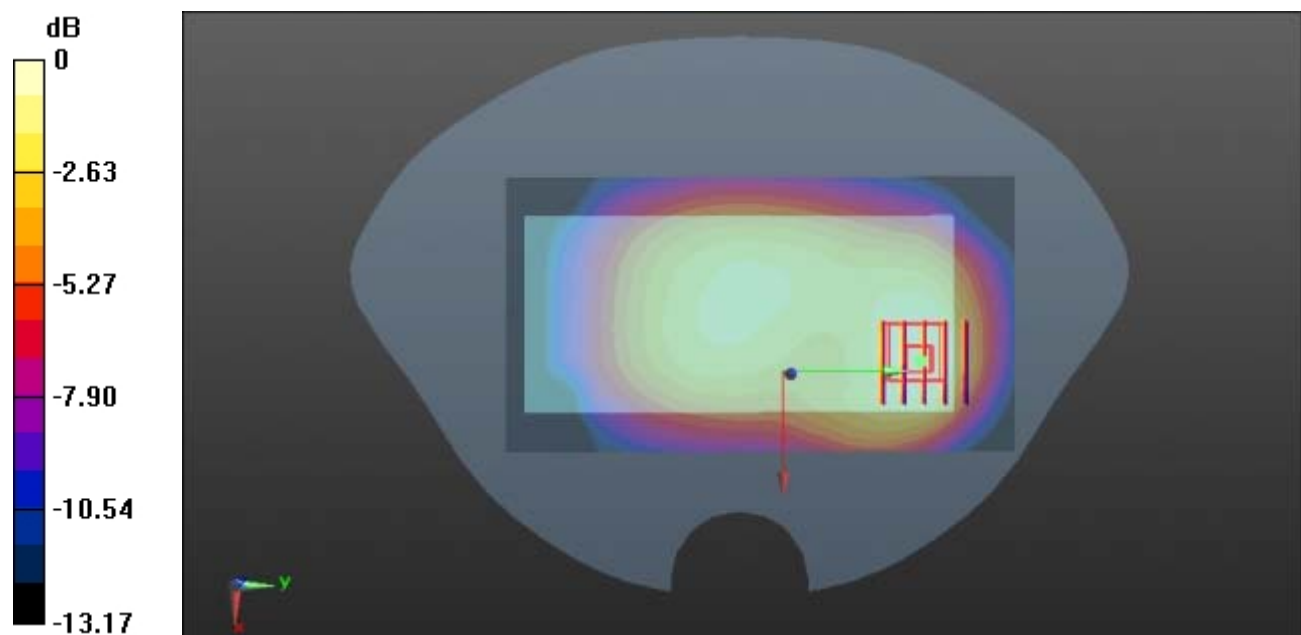
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.26 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.279 W/kg

SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.206 W/kg



0 dB = 0.206 W/kg

Meas.26 Right Head with Cheek on Middle Channel in LTE Band7 mode with Antenna 3

Date: 2023.04.28

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.906$ S/m; $\epsilon_r = 38.652$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(7.65, 7.65, 7.65); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.784 W/kg

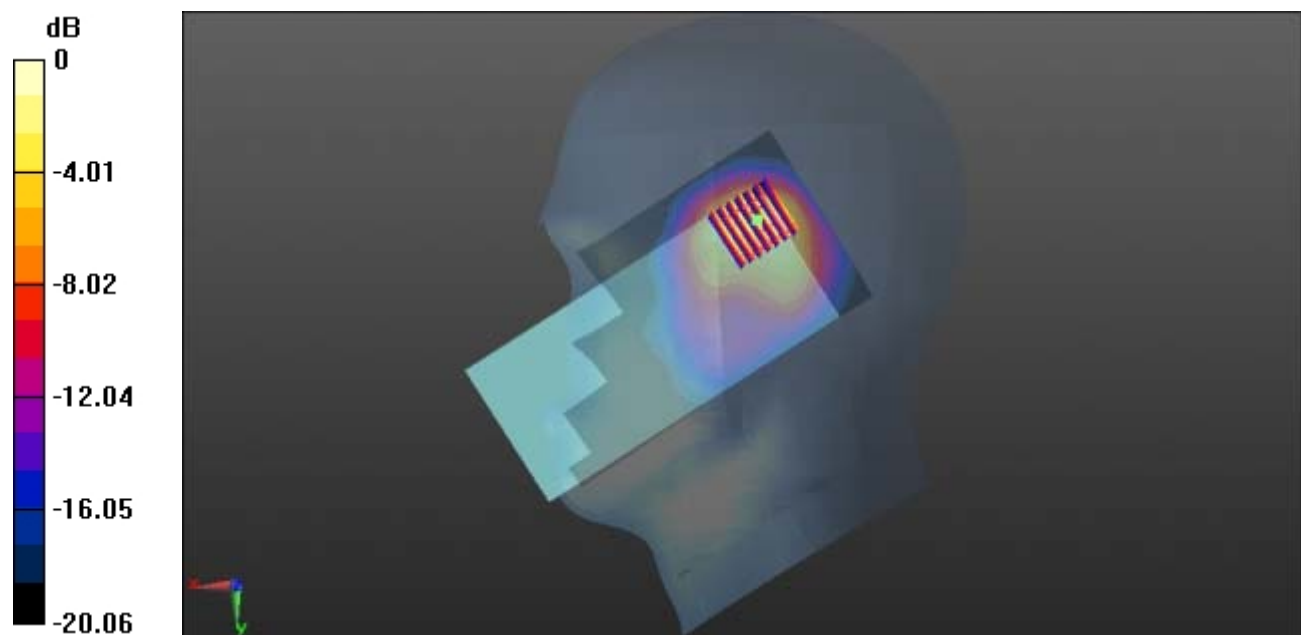
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.69 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.589 W/kg; SAR(10 g) = 0.285 W/kg

Maximum value of SAR (measured) = 0.668 W/kg



0 dB = 0.668 W/kg

Meas.27 Right Head with Cheek on PCC21100+SCC21298 Channel in LTE Band7 mode with Antenna 3

Date: 2023.04.28

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.906$ S/m; $\epsilon_r = 38.652$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(7.65, 7.65, 7.65); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.811 W/kg

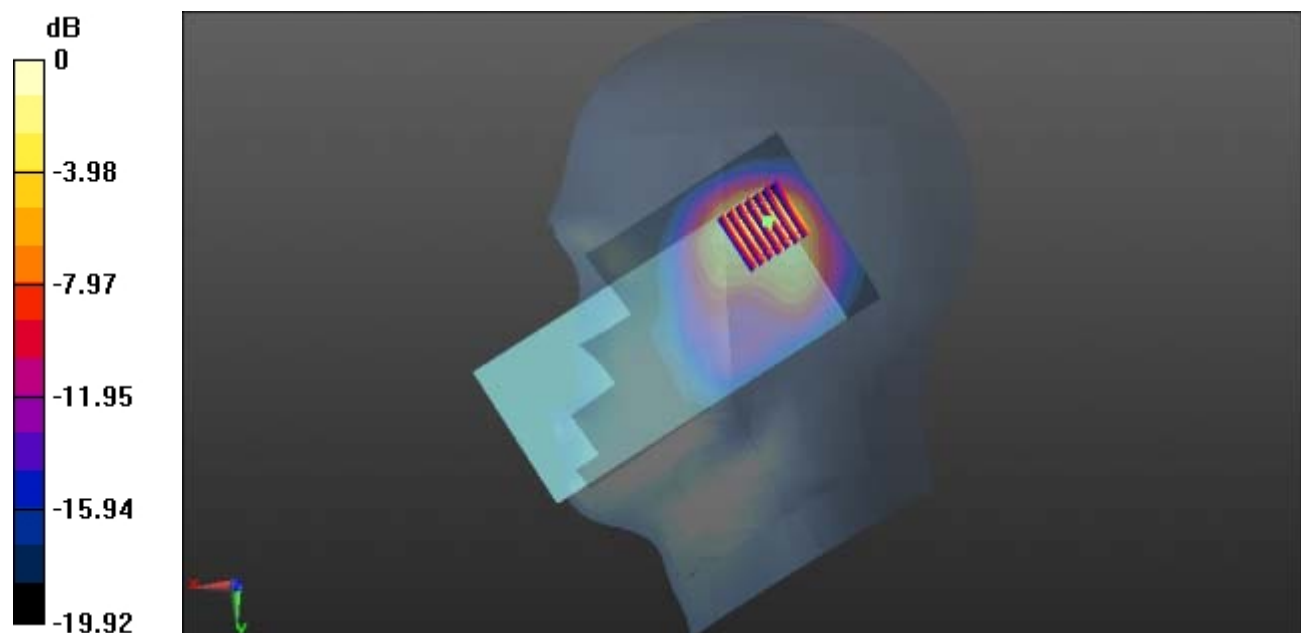
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.92 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.279 W/kg

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



0 dB = 0.675 W/kg

Meas.28 Body Plane with Back Side 15mm on Middle Channel in LTE Band7 mode with Antenna 5

Date: 2023.04.28

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.906$ S/m; $\epsilon_r = 38.652$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(7.65, 7.65, 7.65); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.249 W/kg

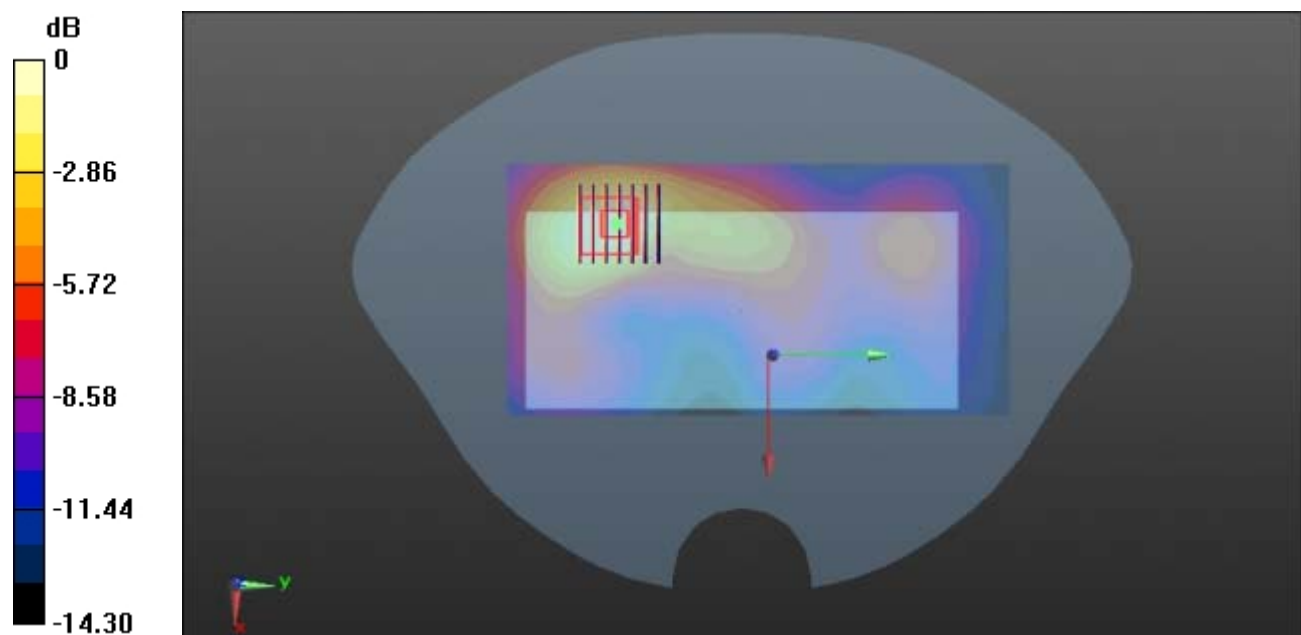
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.044 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.392 W/kg

SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.125 W/kg

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



0 dB = 0.247 W/kg

Meas.29 Body Plane with Back Side 15mm on PCC21100+SCC21298 Channel in LTE Band7 mode with Antenna 5

Date: 2023.04.28

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.906$ S/m; $\epsilon_r = 38.652$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(7.65, 7.65, 7.65); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.315 W/kg

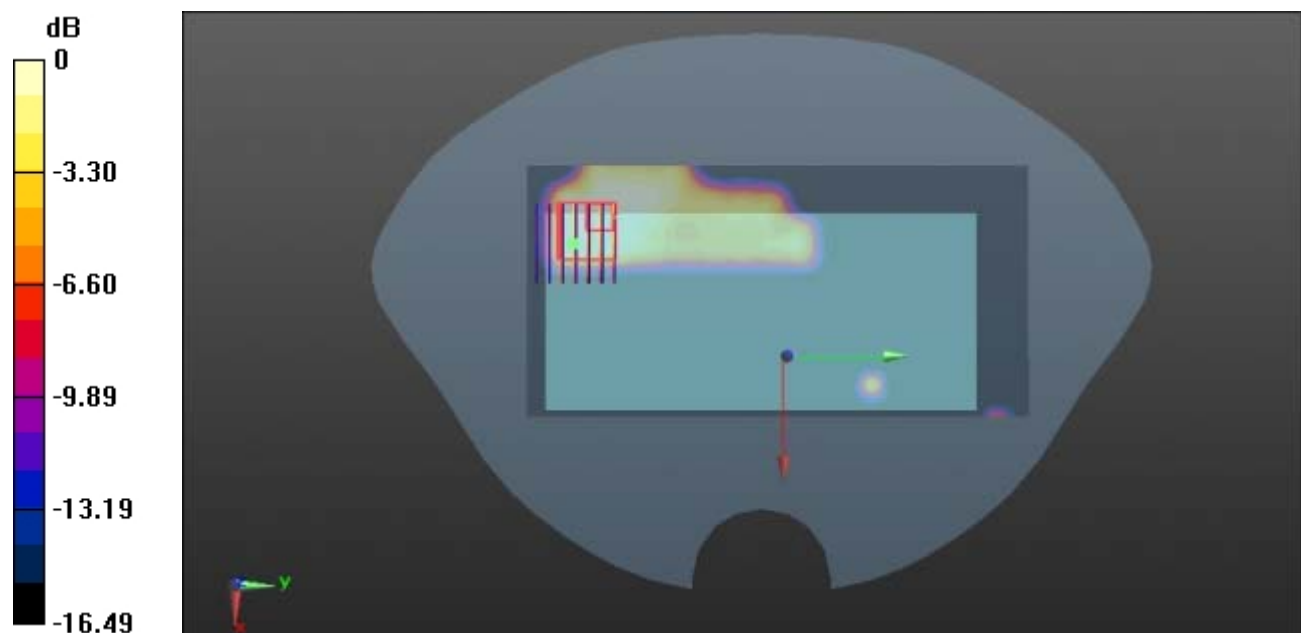
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.994 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.373 W/kg

SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.100 W/kg

Maximum value of SAR (measured) = 0.233 W/kg



0 dB = 0.233 W/kg

Meas.30 Body Plane with Top Edge 10mm on Middle Channel in LTE Band7 mode with Antenna 3

Date: 2023.04.28

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.906$ S/m; $\epsilon_r = 38.652$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(7.65, 7.65, 7.65); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

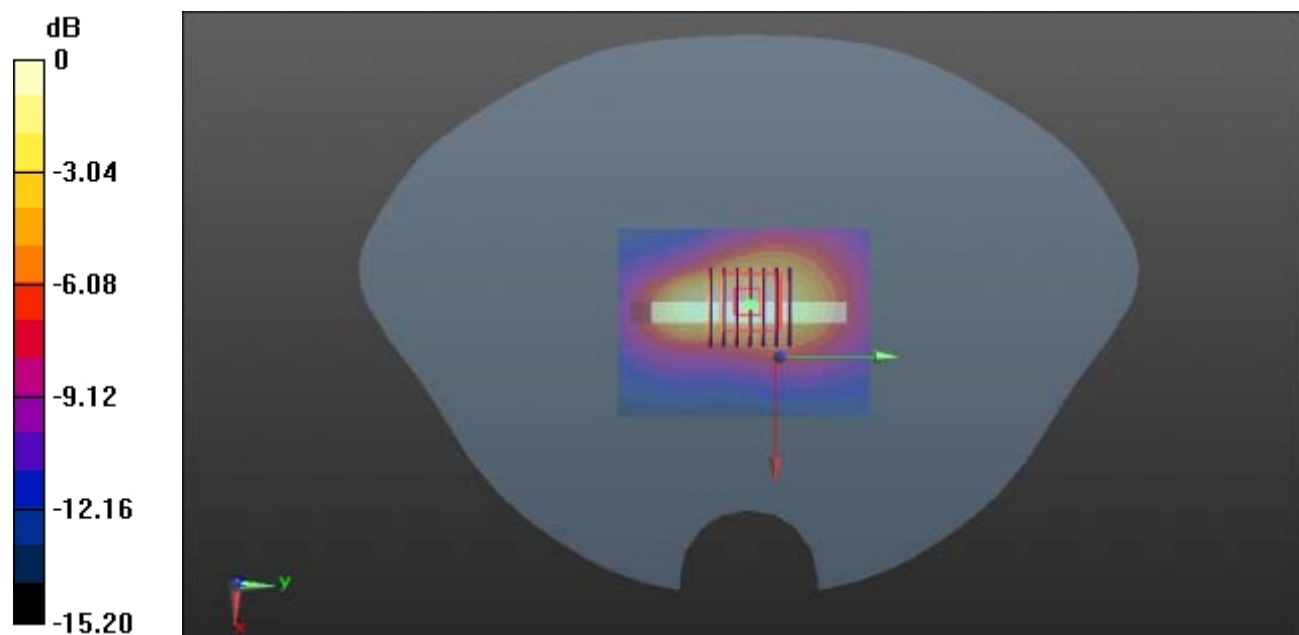
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.75 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.542 W/kg

SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.158 W/kg

Maximum value of SAR (measured) = 0.332 W/kg



0 dB = 0.332 W/kg

Meas.31 Body Plane with Top Edge 10mm on PCC21100+SCC21298 Channel in LTE Band7 mode with Antenna 3

Date: 2023.04.28

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.906$ S/m; $\epsilon_r = 38.652$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(7.65, 7.65, 7.65); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (61x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.264 W/kg

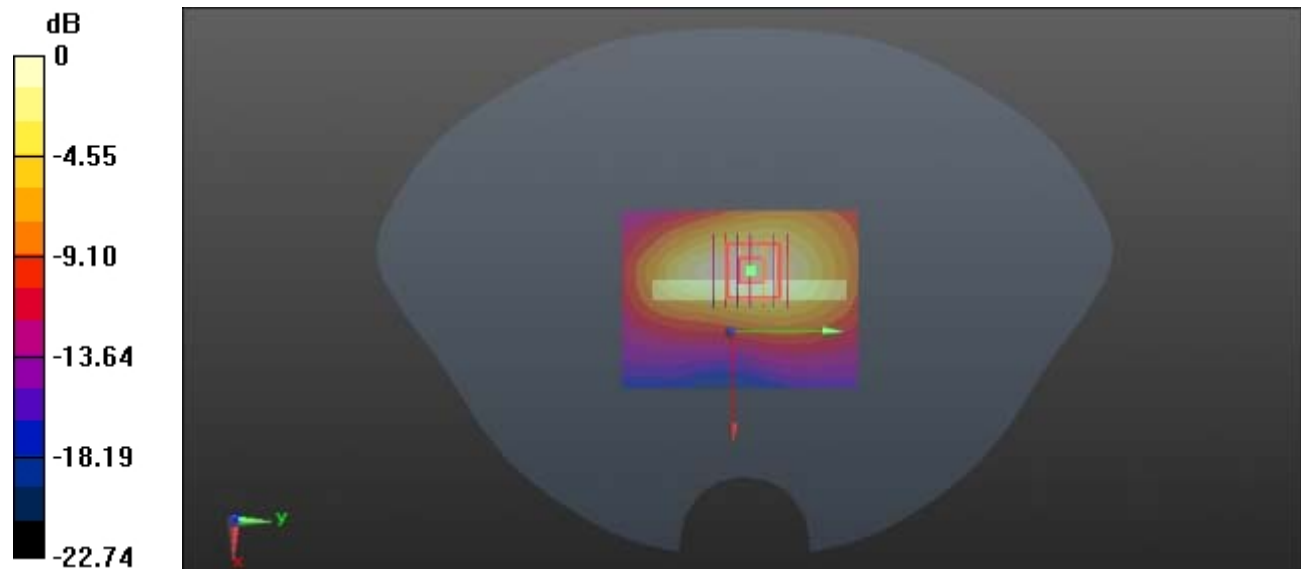
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.818 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.428 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.121 W/kg

Maximum value of SAR (measured) = 0.258 W/kg



0 dB = 0.258 W/kg

Meas.32 Body Plane with Top Edge 0mm on Middle Channel in LTE Band7 mode with Antenna 3

Date: 2023.04.28

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.906$ S/m; $\epsilon_r = 38.652$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(7.65, 7.65, 7.65); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

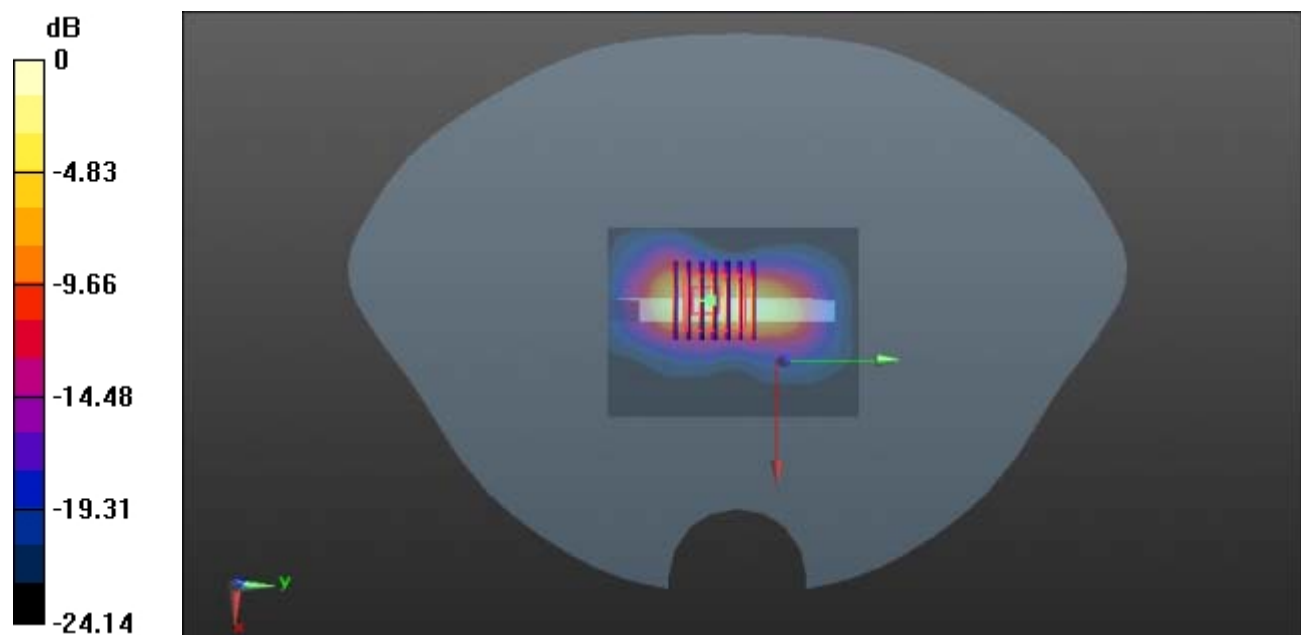
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.62 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 16.2 W/kg

SAR(1 g) = 5.13 W/kg; SAR(10 g) = 1.87 W/kg

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



0 dB = 6.43 W/kg

Meas.33 Body Plane with Bottom Edge 0mm on Middle Channel in LTE Band7 mode with Antenna 4

Date: 2023.04.28

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.906$ S/m; $\epsilon_r = 38.652$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(7.65, 7.65, 7.65); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 5.99 W/kg

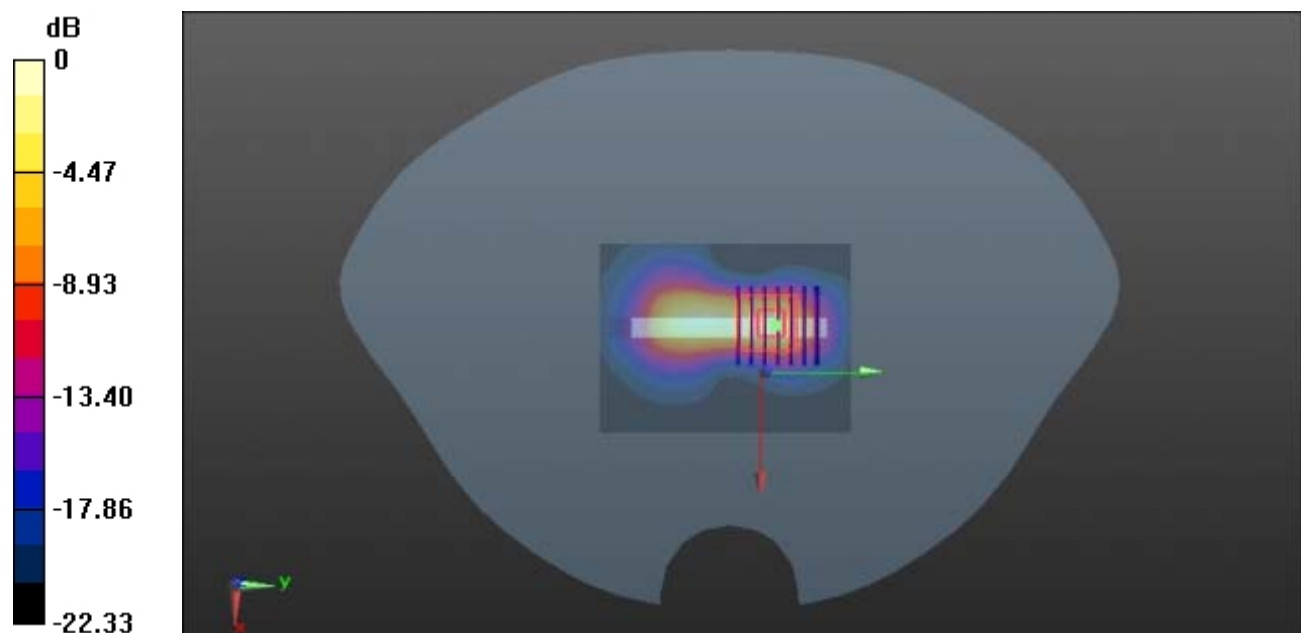
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 40.41 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 12.8 W/kg

SAR(1 g) = 4.11 W/kg; SAR(10 g) = 1.38 W/kg

Maximum value of SAR (measured) = 5.12 W/kg



0 dB = 5.12 W/kg

Meas.34 Right Head with Cheek on Middle Channel in LTE Band12 mode with Antenna 1

Date: 2023.04.05

Communication System Band: BAND 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 42.21$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.72, 10.72, 10.72); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.208 W/kg

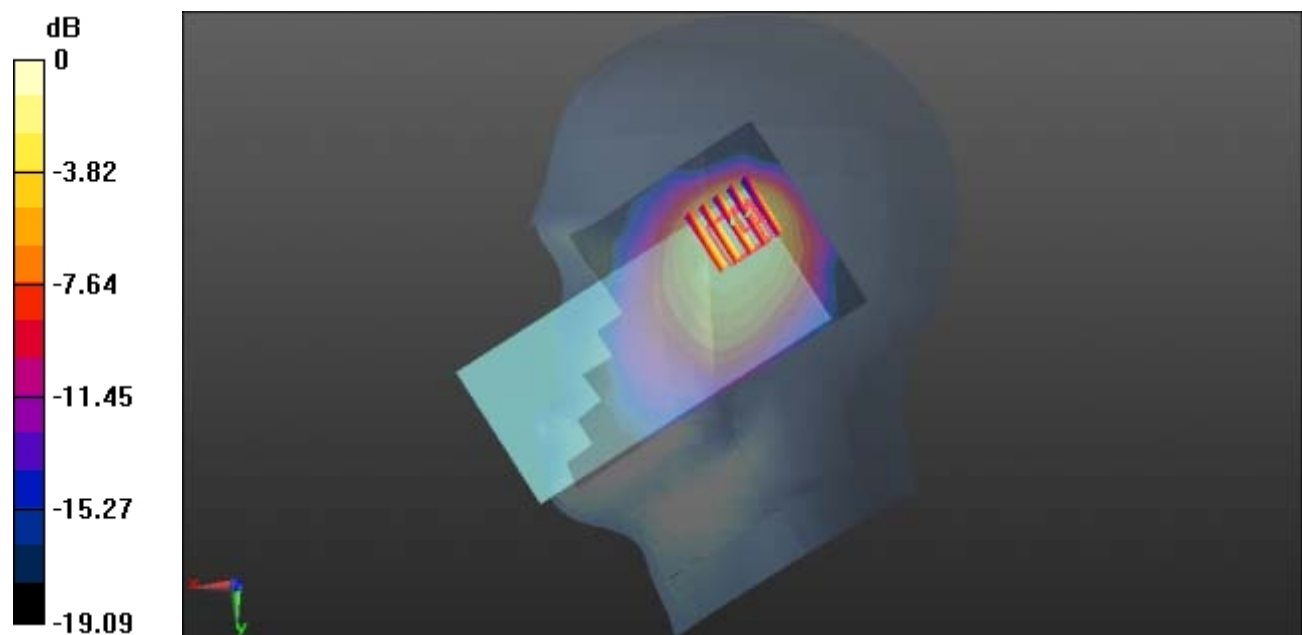
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.720 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.460 W/kg

SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.113 W/kg

Maximum value of SAR (measured) = 0.236 W/kg



0 dB = 0.236 W/kg

Meas.35 Body Plane with Back Side 15mm on Middle Channel in LTE Band12 mode with Antenna 0

Date: 2023.04.05

Communication System Band: BAND 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 42.21$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.72, 10.72, 10.72); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.175 W/kg

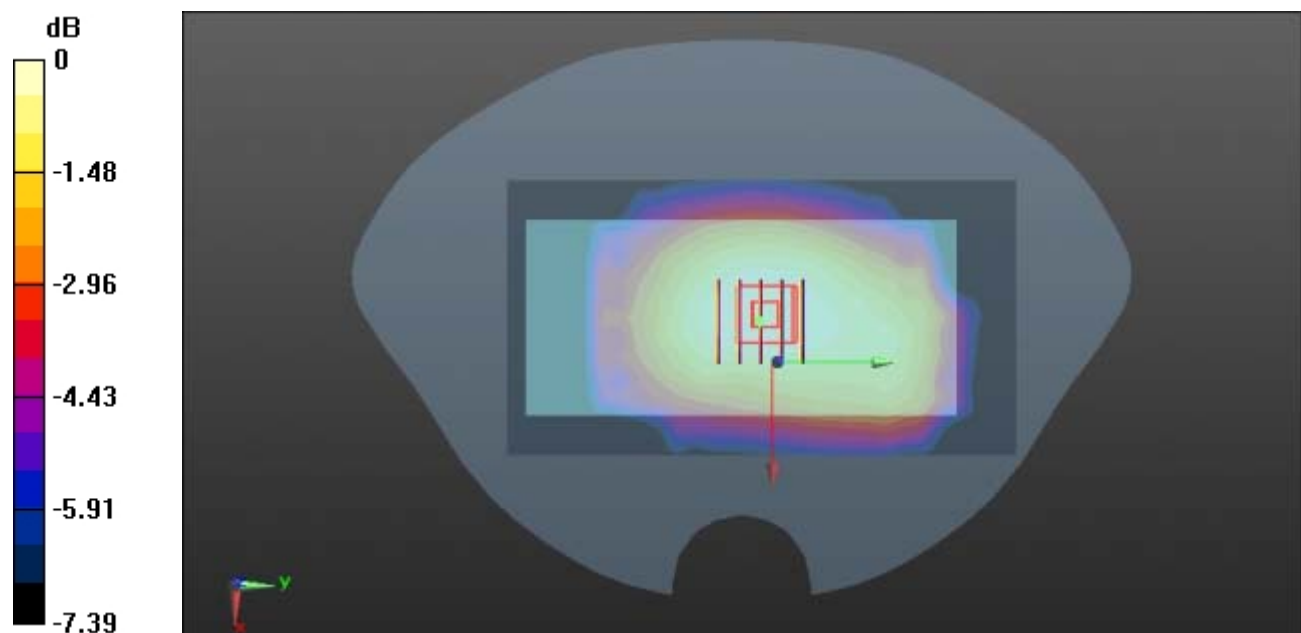
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.76 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.198 W/kg

SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 0.168 W/kg



0 dB = 0.168 W/kg

Meas.36 Body Plane with Back Side 10mm on Middle Channel in LTE Band12 mode with Antenna 0

Date: 2023.04.05

Communication System Band: BAND 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 42.21$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.72, 10.72, 10.72); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.198 W/kg

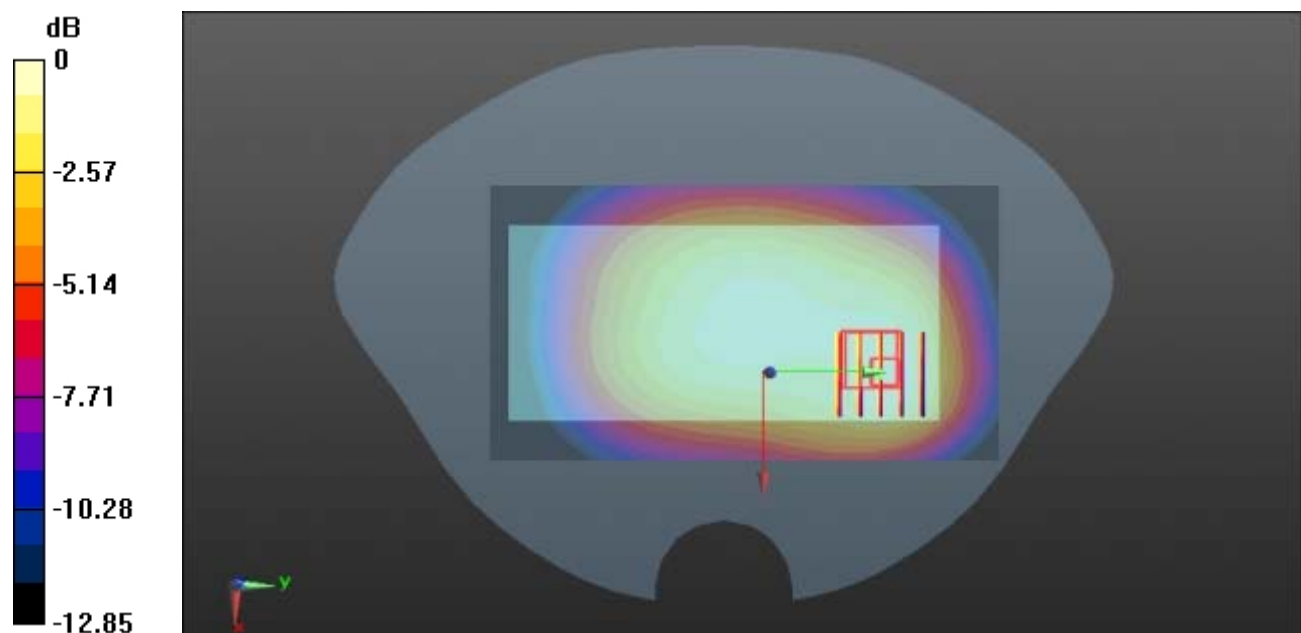
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.76 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.194 W/kg



0 dB = 0.194 W/kg = -7.12 dBW/kg

Meas.37 Right Head with Cheek on Middle Channel in LTE Band13 mode with Antenna 1

Date: 2023.04.05

Communication System Band: BAND 13; Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 40.877$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.72, 10.72, 10.72); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0348 W/kg

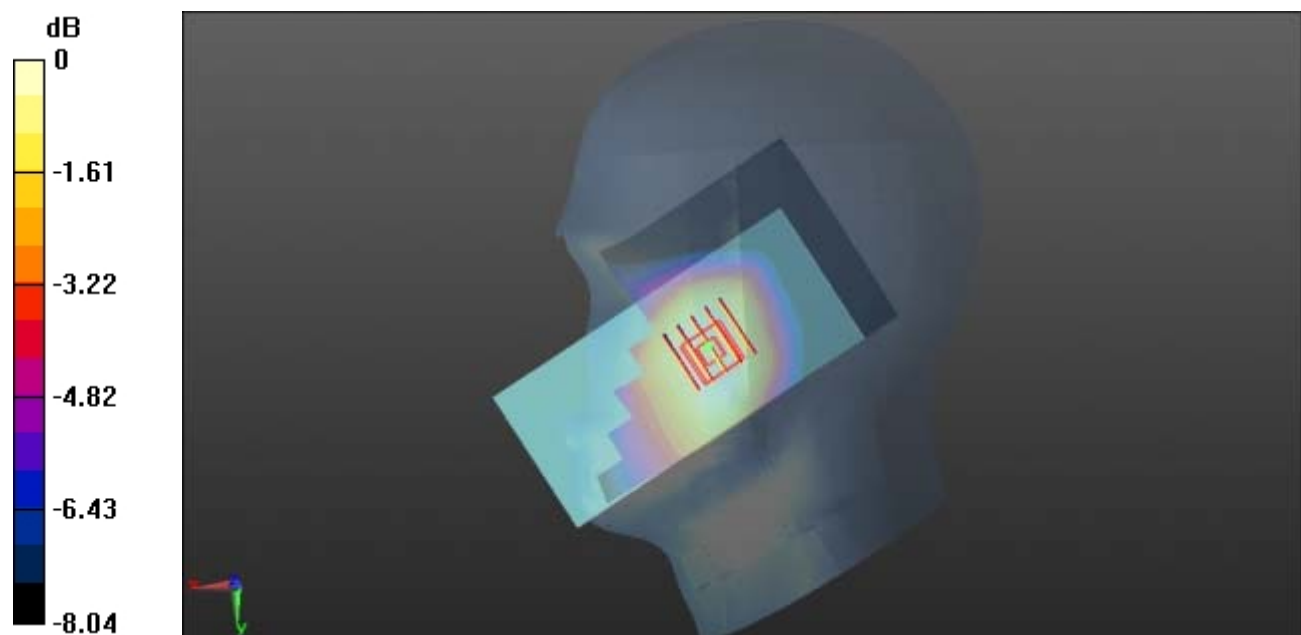
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.079 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.0370 W/kg

SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.027 W/kg

Maximum value of SAR (measured) = 0.0336 W/kg



0 dB = 0.0336 W/kg

Meas.38 Body Plane with Back Side 15mm on Middle Channel in LTE Band13 mode with Antenna 0

Date: 2023.04.05

Communication System Band: BAND 13; Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 40.877$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.72, 10.72, 10.72); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0567 W/kg

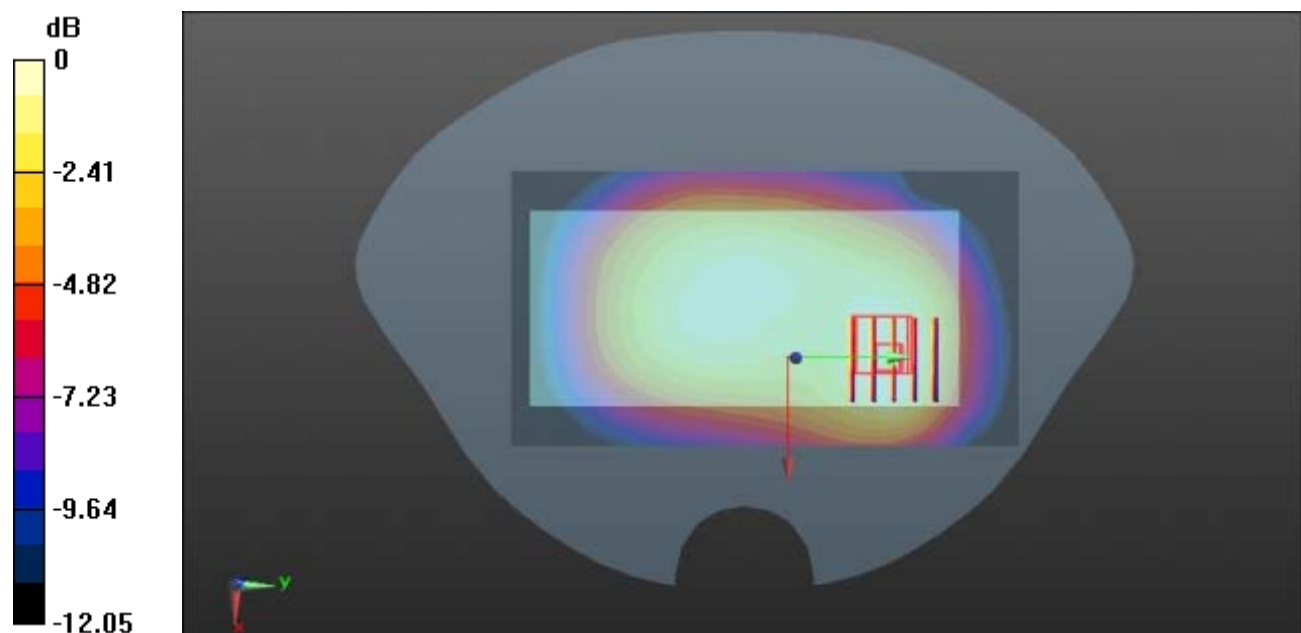
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.318 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0750 W/kg

SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.036 W/kg

Maximum value of SAR (measured) = 0.0551 W/kg



0 dB = 0.0551 W/kg

Meas.39 Body Plane with Back Side 10mm on Middle Channel in LTE Band13 mode with Antenna 0

Date: 2023.04.05

Communication System Band: BAND 13; Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 40.877$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.72, 10.72, 10.72); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0878 W/kg

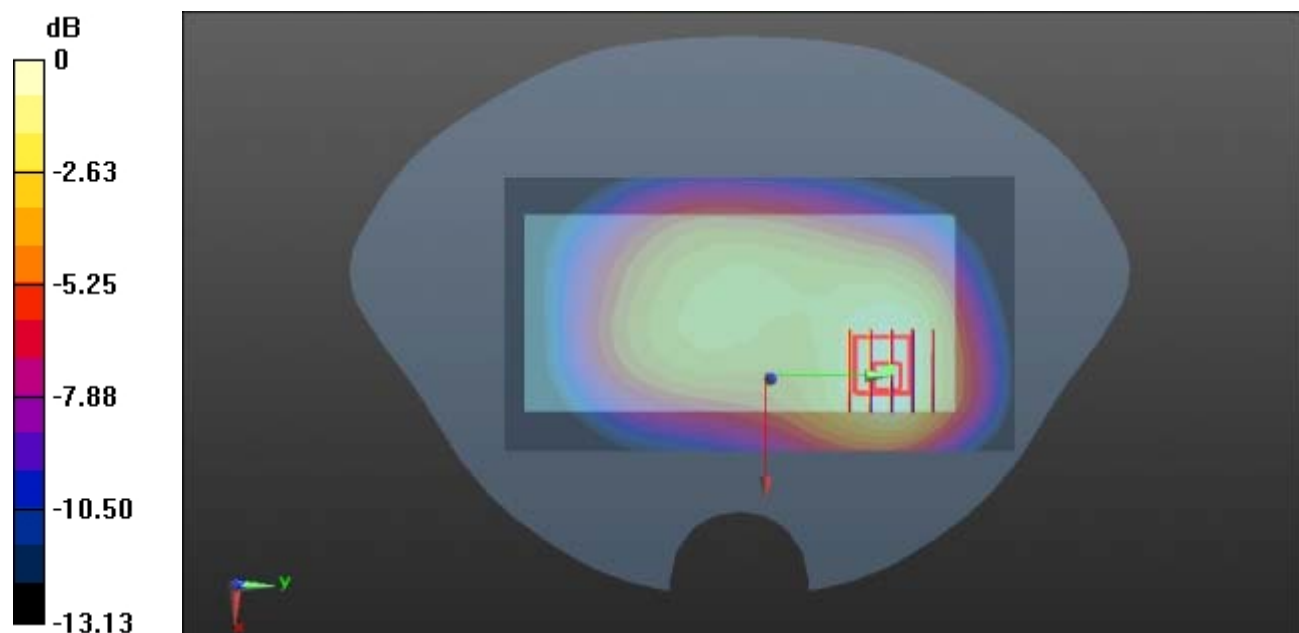
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.587 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.125 W/kg

SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.053 W/kg

Maximum value of SAR (measured) = 0.0860 W/kg



0 dB = 0.0860 W/kg

Meas.40 Right Head with Cheek on High Channel in LTE Band26 mode with Antenna 1

Date: 2023.04.09

Communication System Band: BAND 26; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.908$ S/m; $\epsilon_r = 42.504$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 20.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.212 W/kg

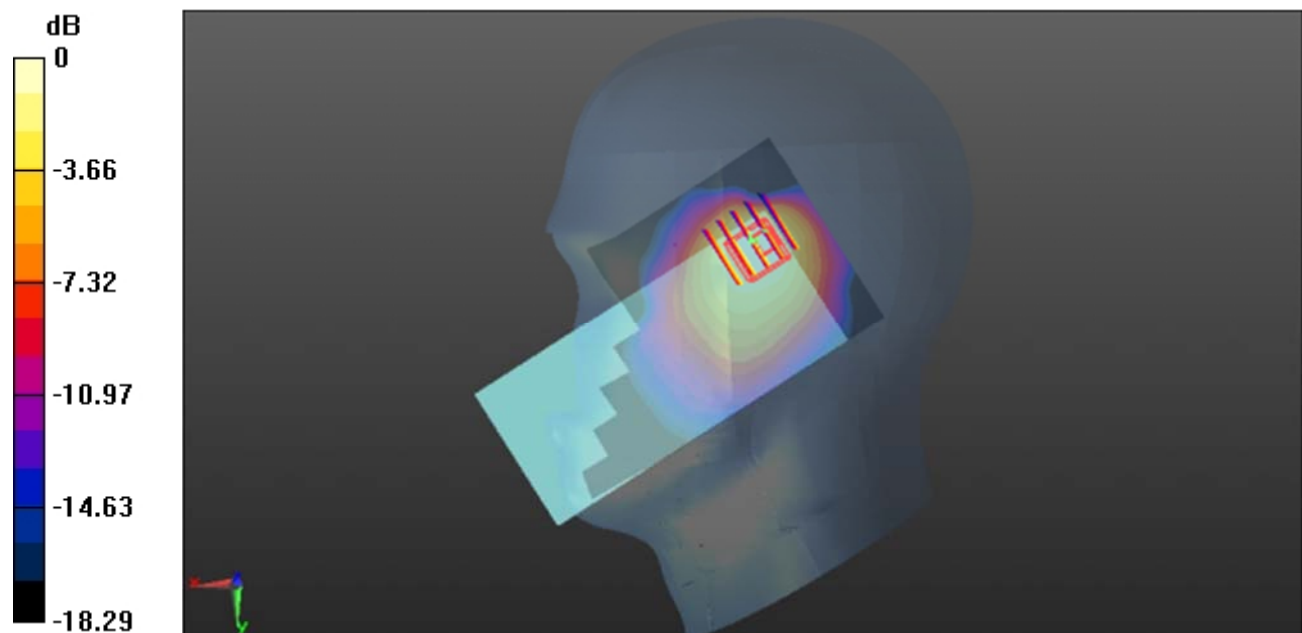
Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.231 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.384 W/kg

SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.198 W/kg



0 dB = 0.198 W/kg

Meas.41 Body Plane with Back Side 15mm on Middle Channel in LTE Band26 mode with Antenna 0

Date: 2023.04.09

Communication System Band: BAND 26; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 42.588$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 20.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.135 W/kg

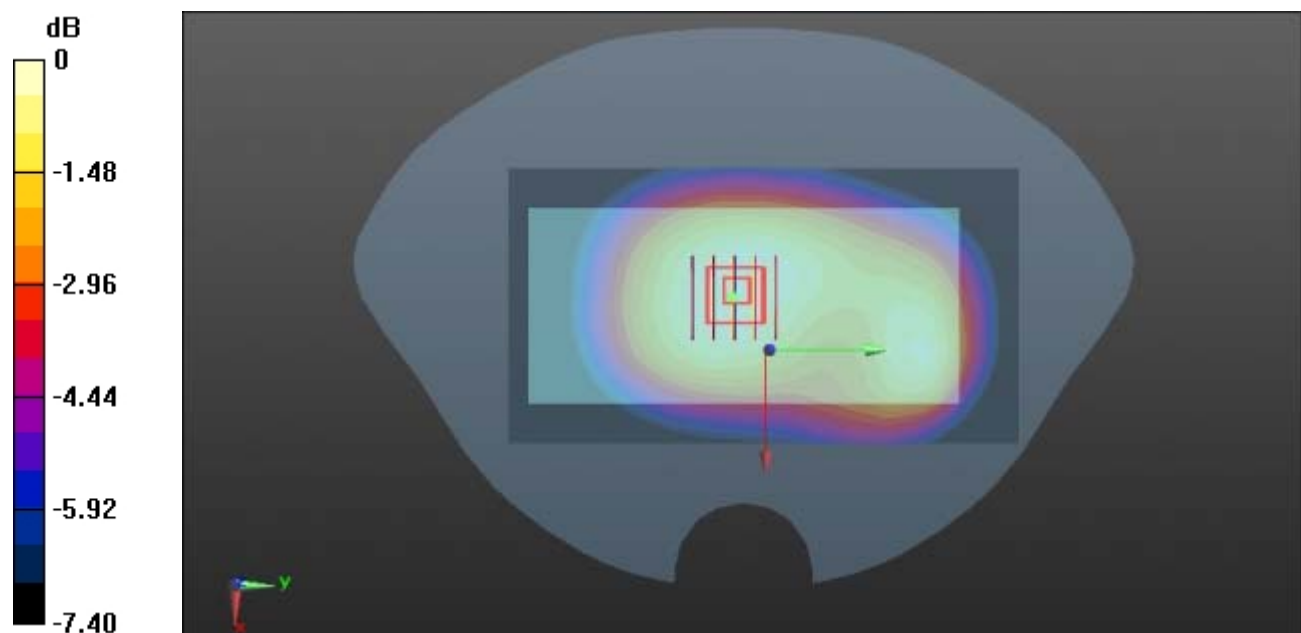
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.96 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.159 W/kg

SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.100 W/kg

Maximum value of SAR (measured) = 0.135 W/kg



0 dB = 0.135 W/kg

Meas.42 Body Plane with Back Side 10mm on Middle Channel in LTE Band26 mode with Antenna 0

Date: 2023.04.09

Communication System Band: BAND 26; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 42.588$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 20.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.205 W/kg

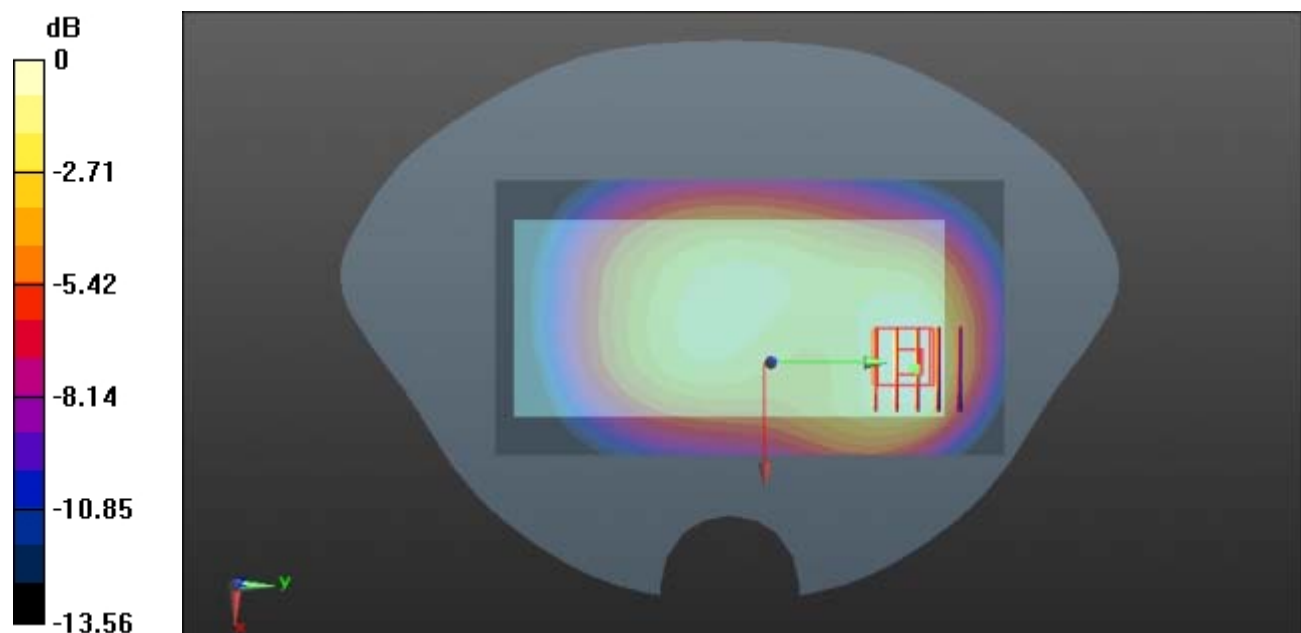
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.87 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 0.198 W/kg



0 dB = 0.198 W/kg

Meas.43 Right Head with Cheek on Middle Channel in LTE Band66 mode with Antenna 3

Date: 2023.04.17

Communication System Band: BAND 66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 39.571$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.630 W/kg

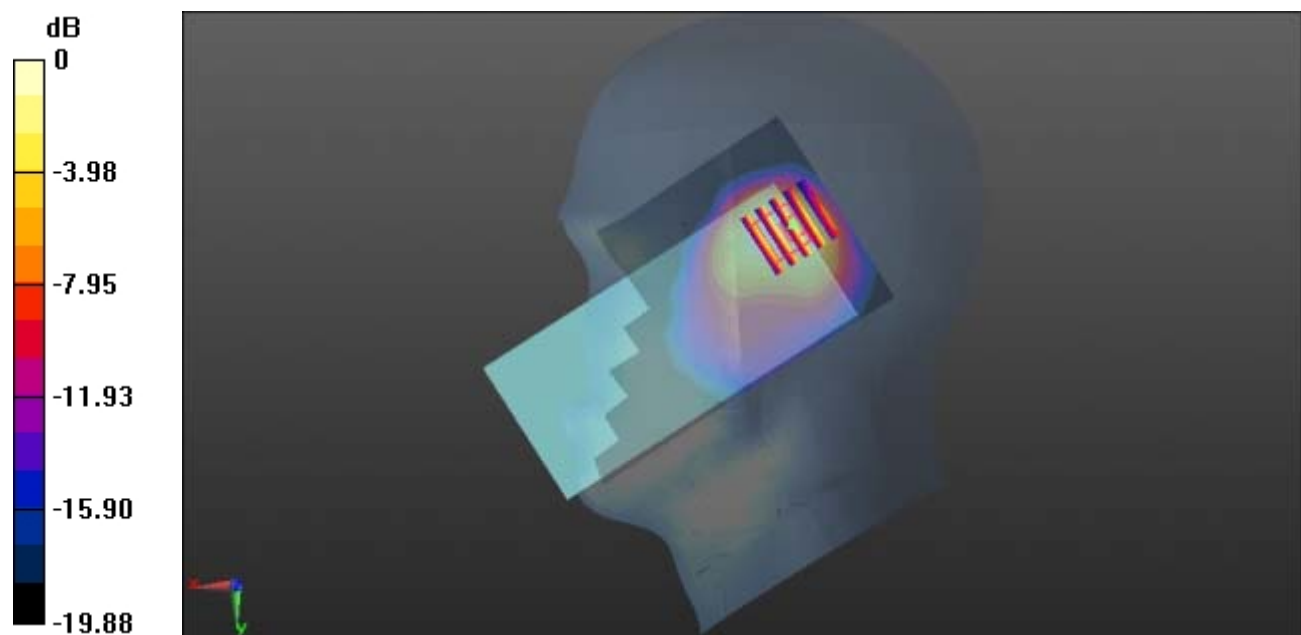
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.67 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.283 W/kg

Maximum value of SAR (measured) = 0.612 W/kg



0 dB = 0.612 W/kg

Meas.44 Body Plane with Back Side 15mm on Middle Channel in LTE Band66 mode with Antenna 3

Date: 2023.04.17

Communication System Band: BAND 66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 39.571$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.208 W/kg

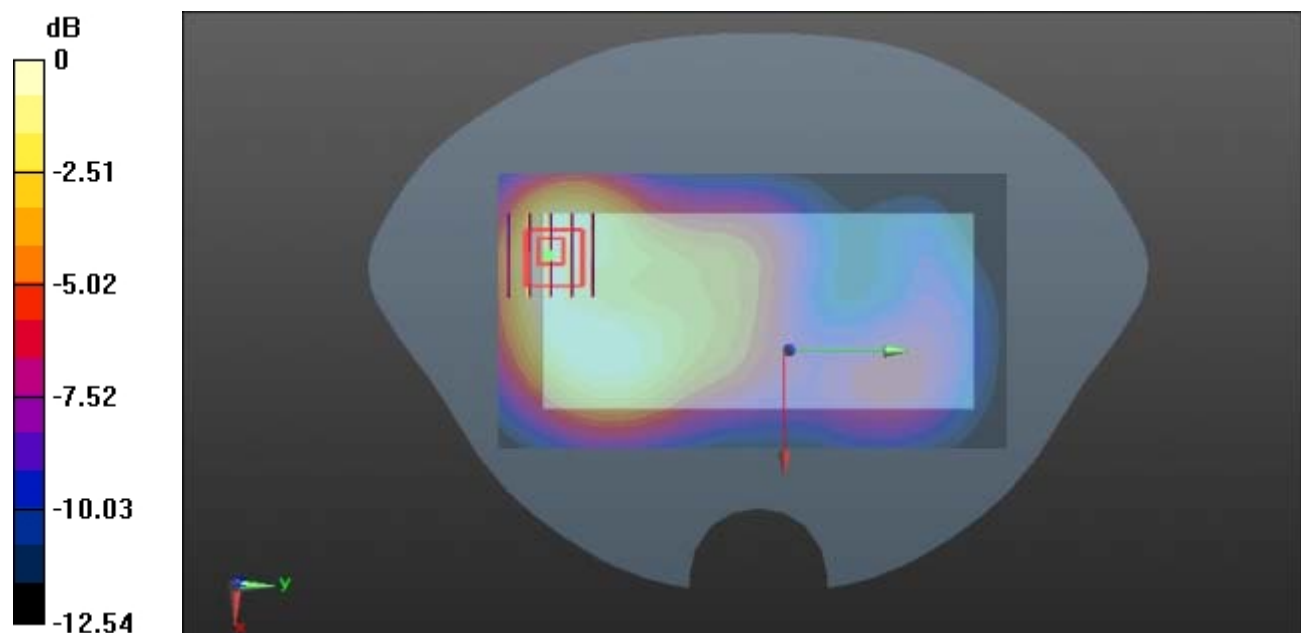
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.572 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.281 W/kg

SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.197 W/kg



0 dB = 0.197 W/kg

Meas.45 Body Plane with Top Edge 10mm on Middle Channel in LTE Band66 mode with Antenna 3

Date: 2023.04.17

Communication System Band: BAND 66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 39.571$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.417 W/kg

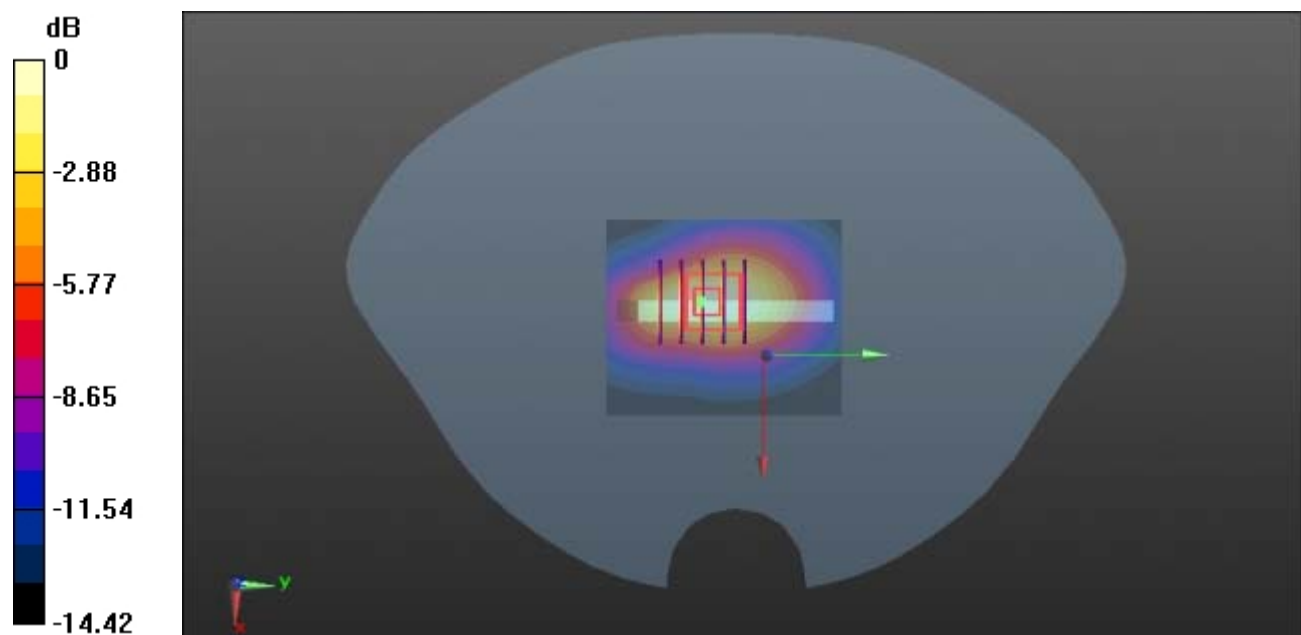
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.22 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.565 W/kg

SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.196 W/kg

Maximum value of SAR (measured) = 0.389 W/kg



0 dB = 0.389 W/kg

Meas.46 Right Head with Tilt on Middle Channel in LTE Band38 mode with Antenna 3

Date: 2023.04.29

Communication System Band: BAND 38; Frequency: 2595 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.941$ S/m; $\epsilon_r = 38.76$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°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: 2022.11.18
- 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)

Ch38000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.820 W/kg

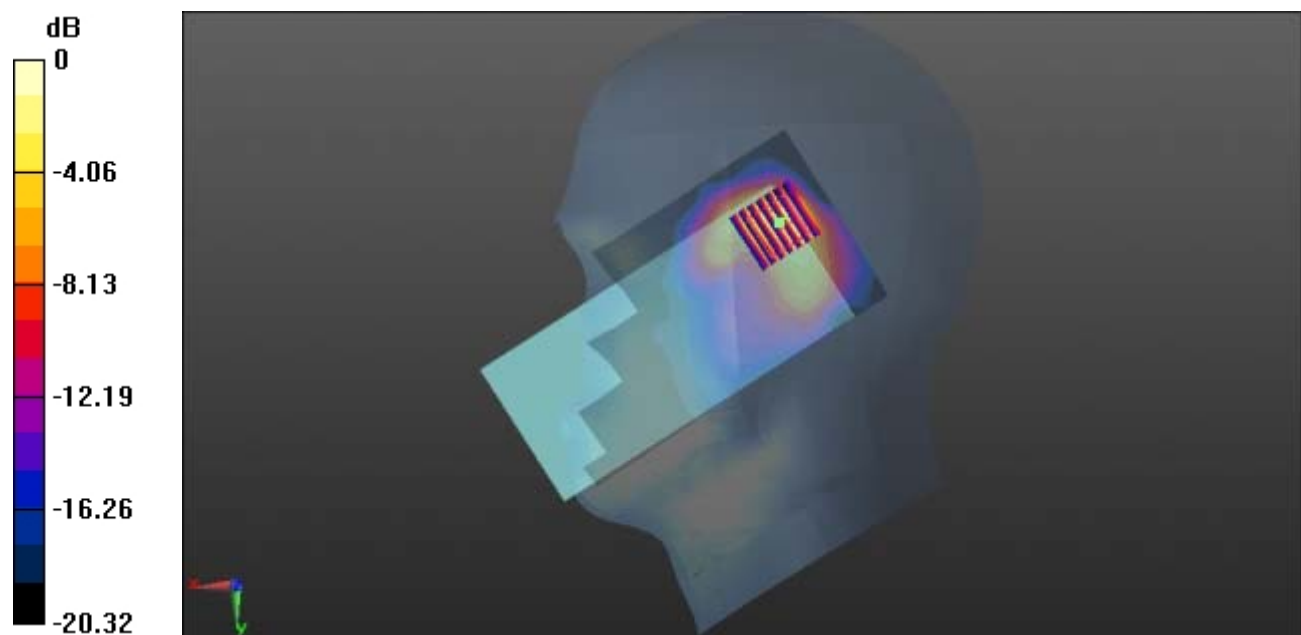
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.41 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.635 W/kg; SAR(10 g) = 0.276 W/kg

Maximum value of SAR (measured) = 0.752 W/kg



0 dB = 0.752 W/kg

Meas.47 Right Head with Tilt on PCC38099+SCC37901 Channel in LTE Band38 mode with Antenna 3

Date: 2023.04.29

Communication System Band: BAND 38; Frequency: 2604.9 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2604.9$ MHz; $\sigma = 1.953$ S/m; $\epsilon_r = 38.214$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°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: 2022.11.18
- 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)

Ch38099/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.798 W/kg

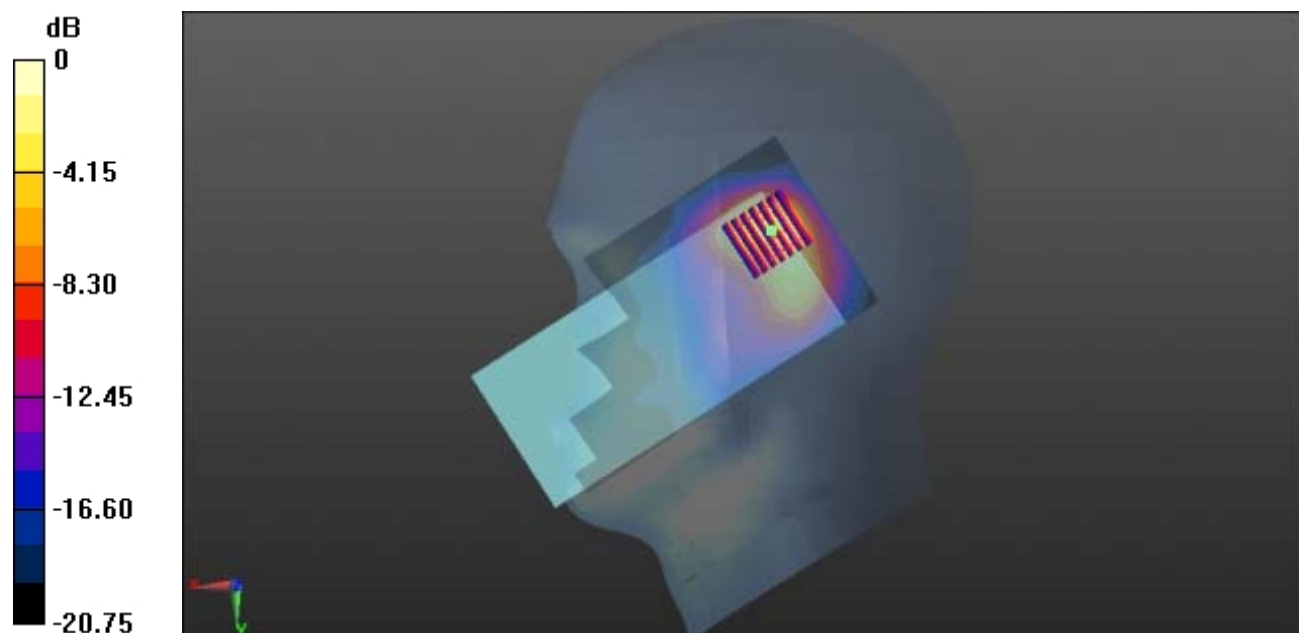
Ch38099/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.44 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.603 W/kg; SAR(10 g) = 0.263 W/kg

Maximum value of SAR (measured) = 0.704 W/kg



0 dB = 0.704 W/kg

Meas.48 Body Plane with Back Side 15mm on Middle Channel in LTE Band38 mode with Antenna 3

Date: 2023.04.29

Communication System Band: BAND 38; Frequency: 2595 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.941$ S/m; $\epsilon_r = 38.76$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°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: 2022.11.18
- 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)

Ch38000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.221 W/kg

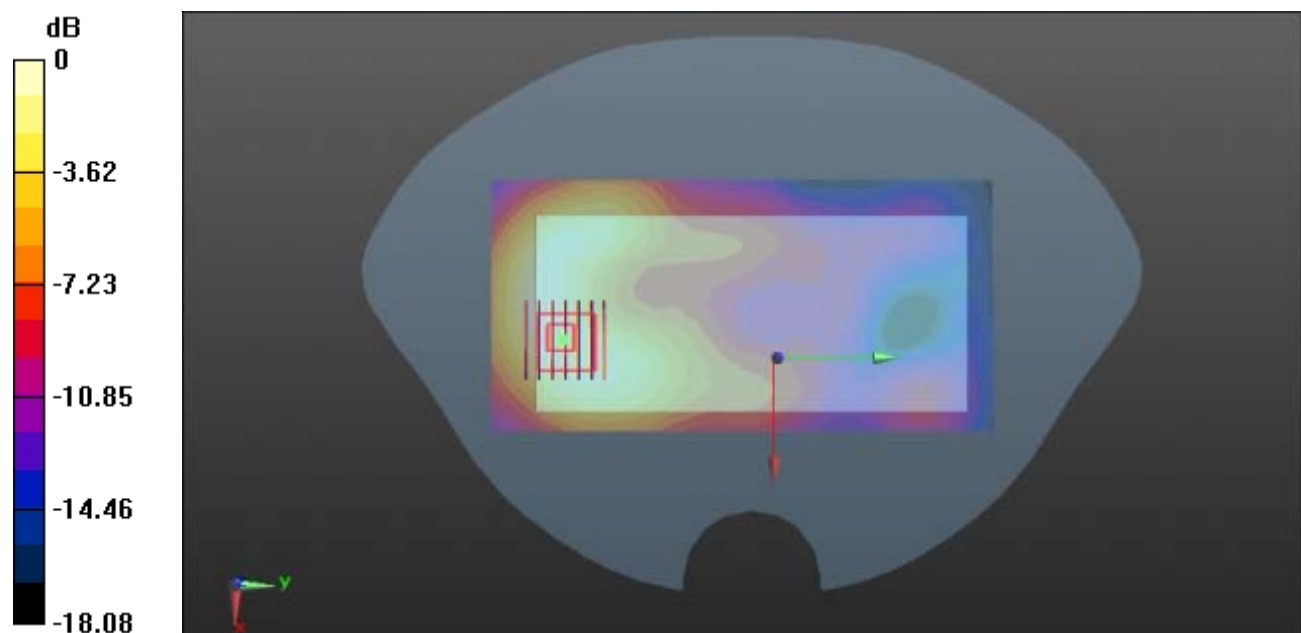
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.245 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.349 W/kg

SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.218 W/kg

Meas.49 Body Plane with Back Side 15mm on PCC38099+SCC37901 Channel in LTE Band38 mode with Antenna 3

Date: 2023.04.29

Communication System Band: BAND 38; Frequency: 2604.9 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2604.9$ MHz; $\sigma = 1.953$ S/m; $\epsilon_r = 38.214$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°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: 2022.11.18
- 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)

Ch38099/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.527 W/kg

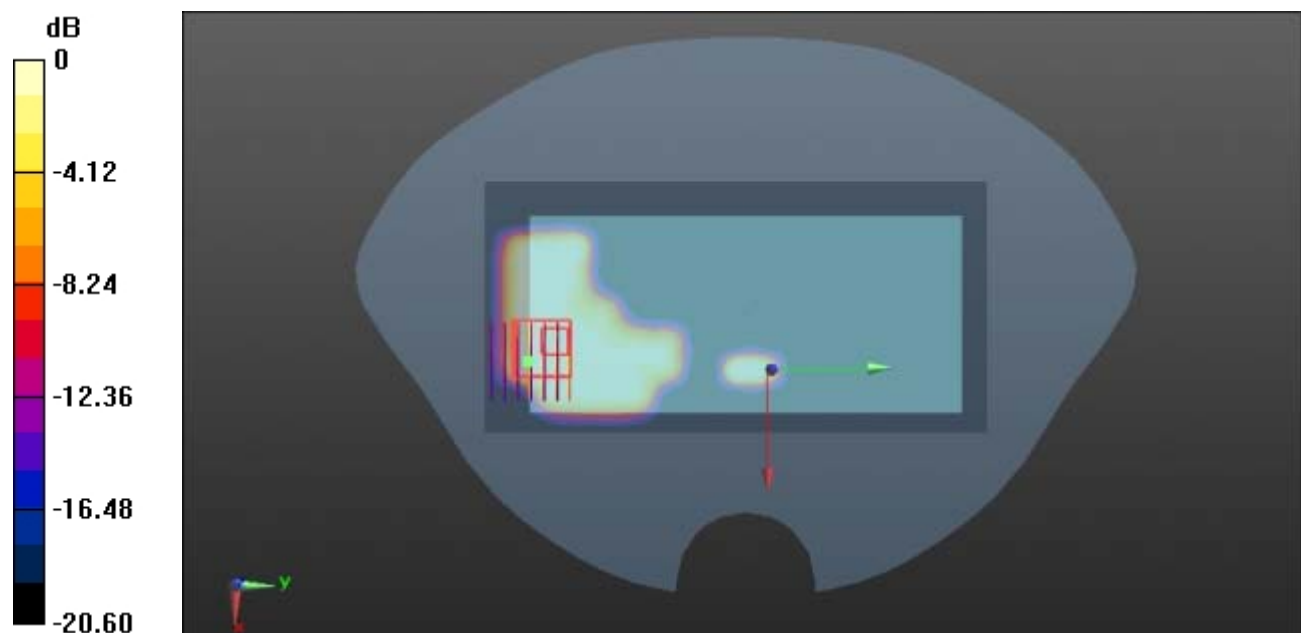
Ch38099/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.014 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.360 W/kg

SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.225 W/kg



0 dB = 0.225 W/kg

Meas.50 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band38 mode with Antenna 4

Date: 2023.04.29

Communication System Band: BAND 38; Frequency: 2595 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.941$ S/m; $\epsilon_r = 38.76$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°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: 2022.11.18
- 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)

Ch38000/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.373 W/kg

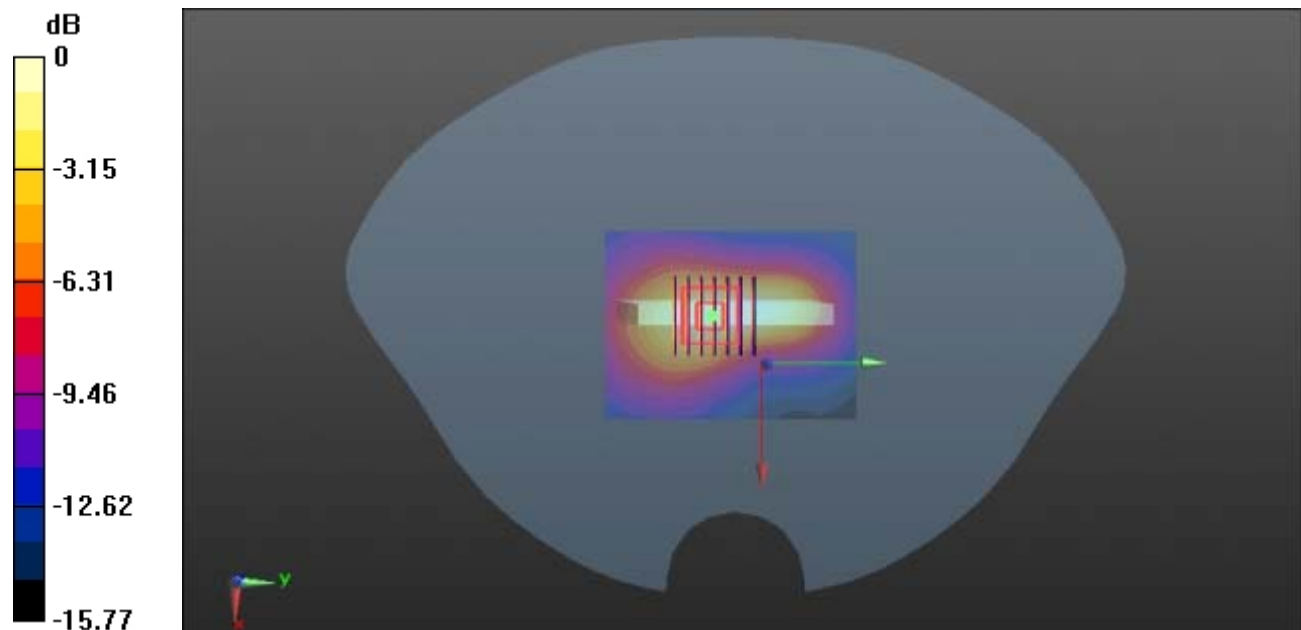
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.22 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.582 W/kg

SAR(1 g) = 0.323 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.367 W/kg



0 dB = 0.367 W/kg

Meas.51 Plane with Bottom Edge 10mm on PCC38099+SCC37901 Channel in LTE Band38 mode with Antenna 4

Date: 2023.04.29

Communication System Band: BAND 38; Frequency: 2604.9 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2604.9$ MHz; $\sigma = 1.953$ S/m; $\epsilon_r = 38.214$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°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: 2022.11.18
- 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)

Ch38099/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.318 W/kg

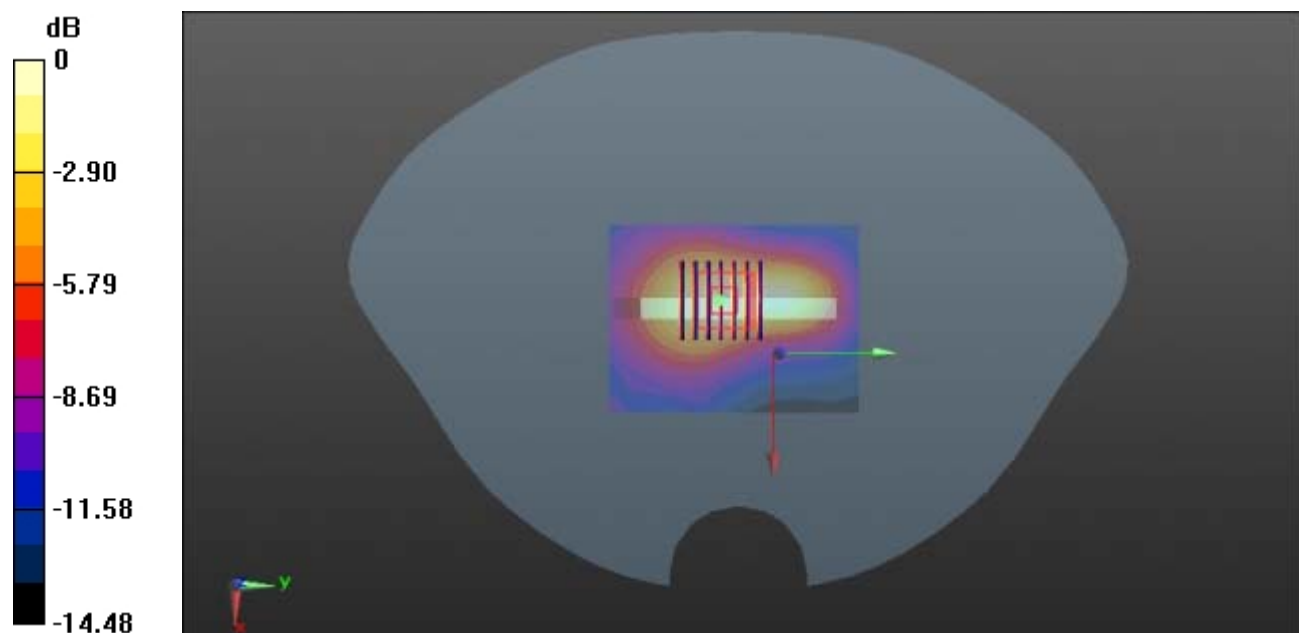
Ch38099/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.40 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.498 W/kg

SAR(1 g) = 0.277 W/kg; SAR(10 g) = 0.148 W/kg

Maximum value of SAR (measured) = 0.309 W/kg



0 dB = 0.309 W/kg

Meas.52 Right Head with Tilt on Middle Channel in LTE Band41 mode with Antenna 3

Date: 2023.04.05

Communication System Band: BAND41; Frequency: 2593 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.933$ S/m; $\epsilon_r = 39.521$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0°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: 2022.11.18
- 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)

Ch40620/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.19 W/kg

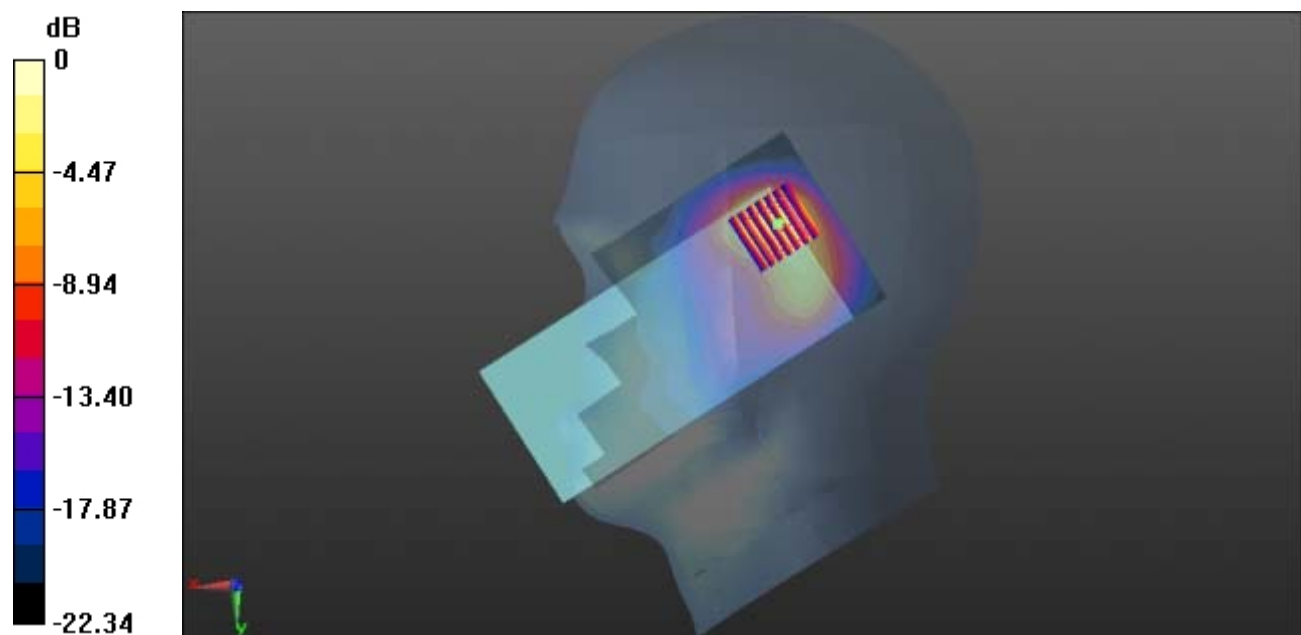
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.46 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 2.20 W/kg

SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.396 W/kg

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



0 dB = 1.09 W/kg

Meas.53 Right Head with Tilt on PCC40620+SCC40818 Channel in LTE Band41 mode with Antenna 3

Date: 2023.04.05

Communication System Band: BAND41; Frequency: 2593 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.933$ S/m; $\epsilon_r = 39.521$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.0°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: 2022.11.18
- 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)

Ch40620/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.16 W/kg

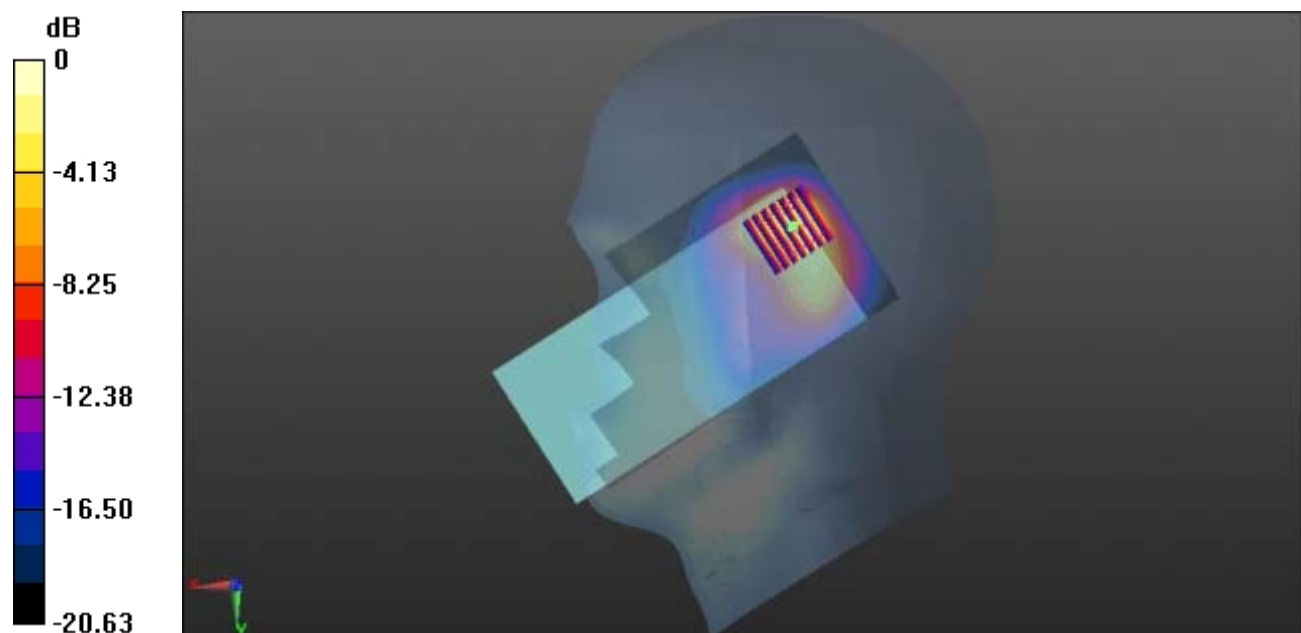
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.8370 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 0.869 W/kg; SAR(10 g) = 0.380 W/kg

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



0 dB = 1.01 W/kg

Meas.54 Body Plane with Back Side 15mm on Middle Channel in LTE Band41 mode with Antenna 3

Date: 2023.04.05

Communication System Band: BAND41; Frequency: 2593 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.933$ S/m; $\epsilon_r = 39.521$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°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: 2022.11.18
- 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)

Ch40620/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.317 W/kg

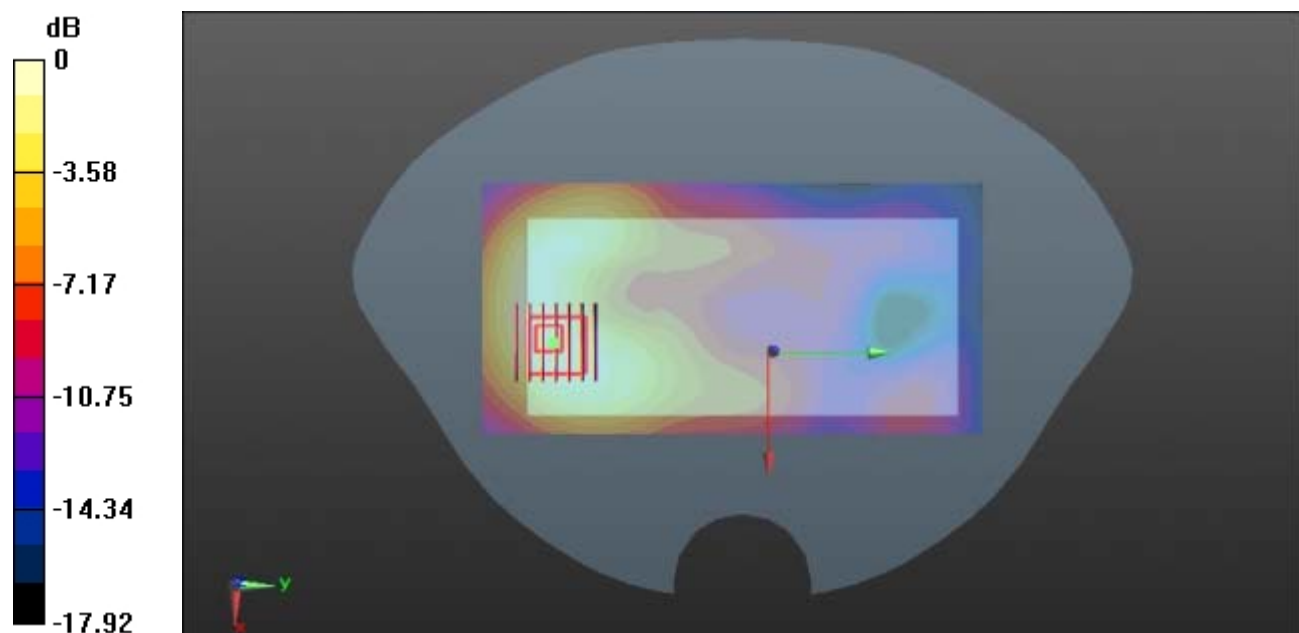
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.850 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.498 W/kg

SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.163 W/kg

Maximum value of SAR (measured) = 0.308 W/kg



0 dB = 0.308 W/kg

Meas.55 Body Plane with Back Side 15mm on PCC40620+SCC40818 Channel in LTE Band41 mode with Antenna 3

Date: 2023.04.05

Communication System Band: BAND41; Frequency: 2593 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.933$ S/m; $\epsilon_r = 39.521$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°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: 2022.11.18
- 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)

Ch40620/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.312 W/kg

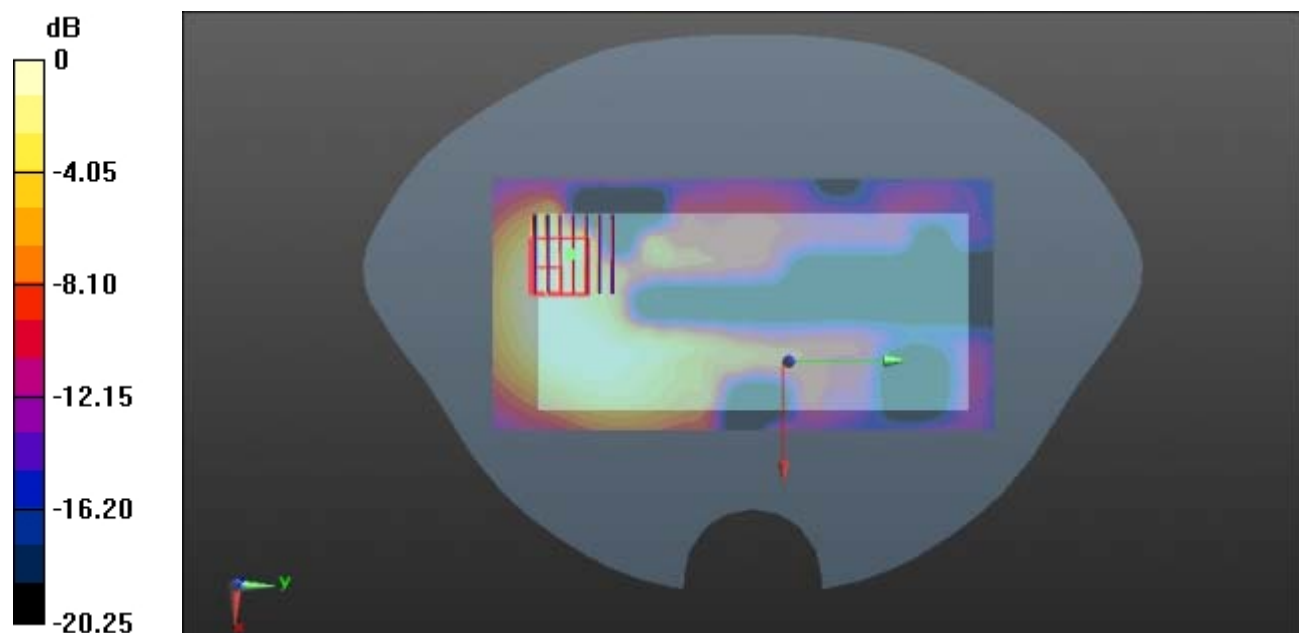
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.694 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.443 W/kg

SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.114 W/kg

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



0 dB = 0.264 W/kg

Meas.56 Body Plane with Top Edge 10mm on High Channel in LTE Band41 mode with Antenna 3

Date: 2023.04.05

Communication System Band: BAND41; Frequency: 2680 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2680$ MHz; $\sigma = 2.15$ S/m; $\epsilon_r = 37.585$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°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: 2022.11.18
- 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)

Ch41490/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.811 W/kg

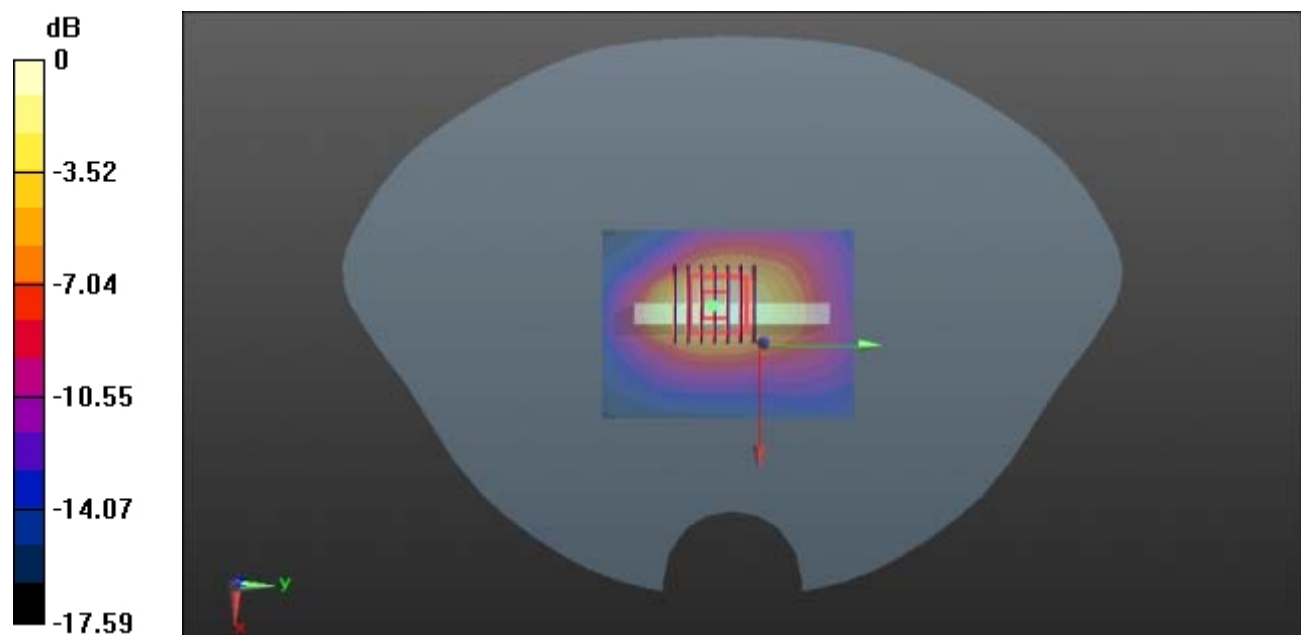
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.03 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.337 W/kg

Maximum value of SAR (measured) = 0.773 W/kg



0 dB = 0.773 W/kg

Meas.57 Body Plane with Top Edge 10mm on PCC41490+SCC41292 Channel in LTE Band41 mode with Antenna 3

Date: 2023.04.05

Communication System Band: BAND41; Frequency: 2680 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2680$ MHz; $\sigma = 2.15$ S/m; $\epsilon_r = 37.585$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°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: 2022.11.18
- 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)

Ch41490/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.787 W/kg

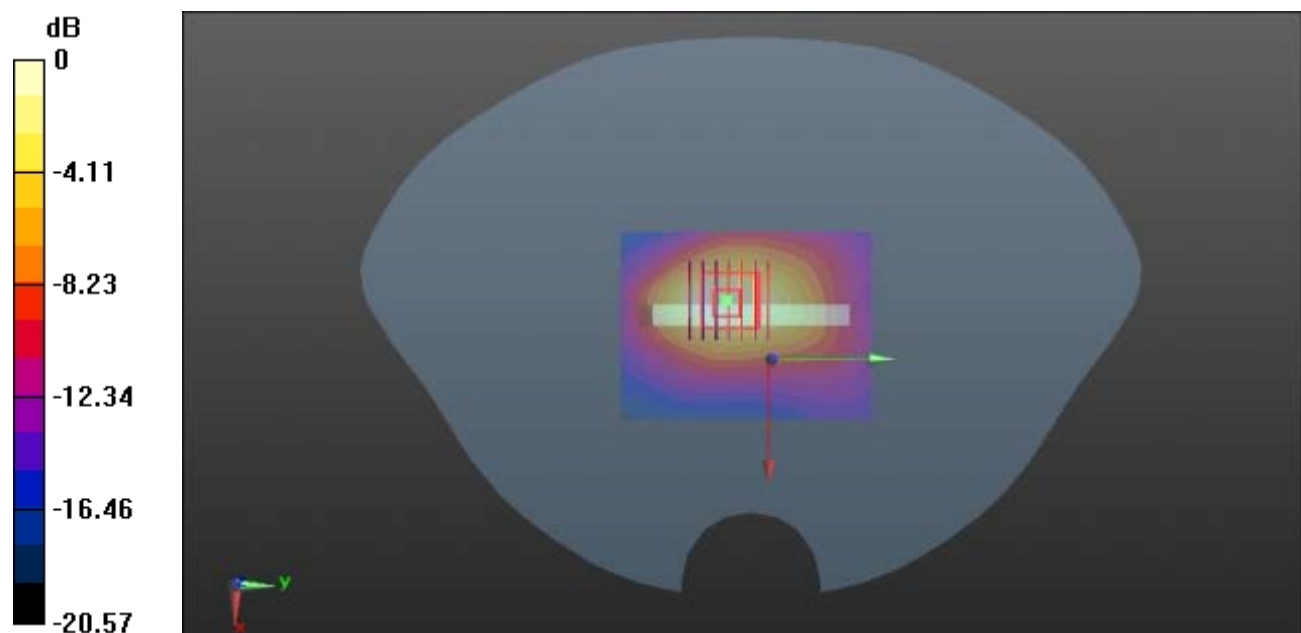
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.35 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.678 W/kg; SAR(10 g) = 0.340 W/kg

Maximum value of SAR (measured) = 0.766 W/kg



0 dB = 0.766 W/kg

Meas.58 Body Plane with Top Edge 0mm on Middle Channel in LTE Band41 mode with Antenna 3

Date: 2023.04.05

Communication System Band: BAND41; Frequency: 2593 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.933$ S/m; $\epsilon_r = 39.521$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°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: 2022.11.18
- 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)

Ch40620/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

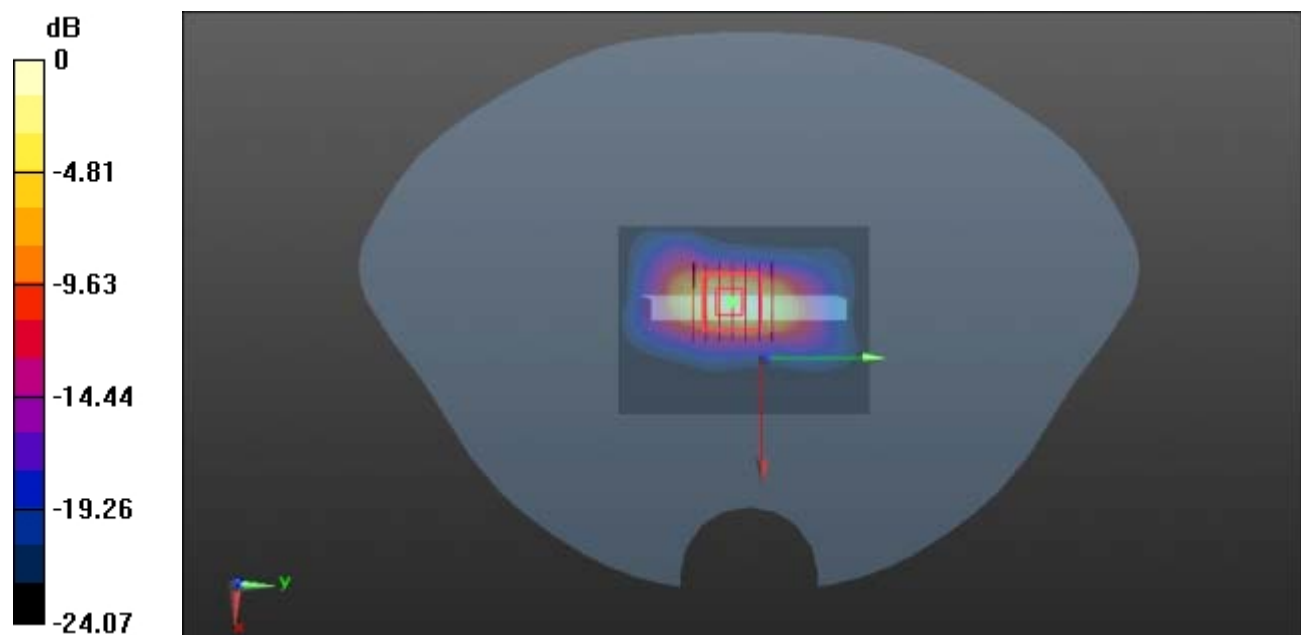
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.62 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 6.49 W/kg; SAR(10 g) = 2.42 W/kg

Maximum value of SAR (measured) = 8.18 W/kg



0 dB = 8.18 W/kg

Meas.59 Right Head with Cheek on 167300 Channel in N5 mode with Antenna 1

Date: 2023.04.13

Communication System Band: N5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.923$ S/m; $\epsilon_r = 41.579$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch167300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.223 W/kg

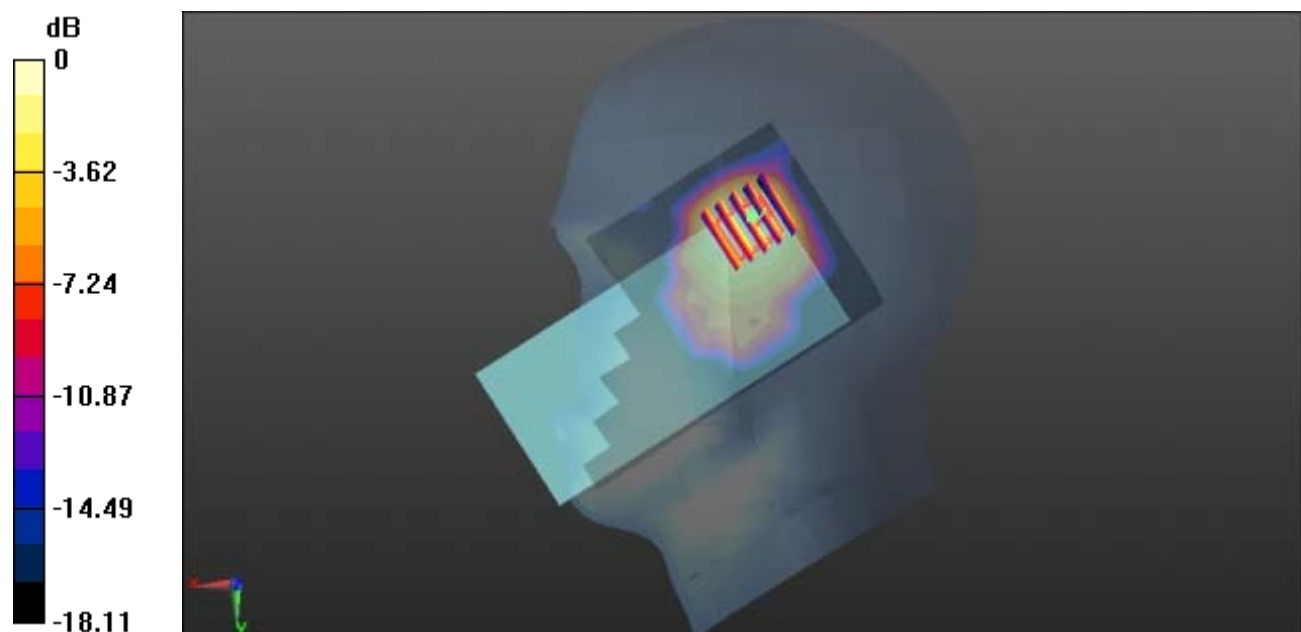
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.984 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.374 W/kg

SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.195 W/kg



0 dB = 0.195 W/kg

Meas.60 Body Plane with Back Side 15mm on 167300 Channel in N5 mode with Antenna 0

Date: 2023.04.13

Communication System Band: N5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.923$ S/m; $\epsilon_r = 41.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch167300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.125 W/kg

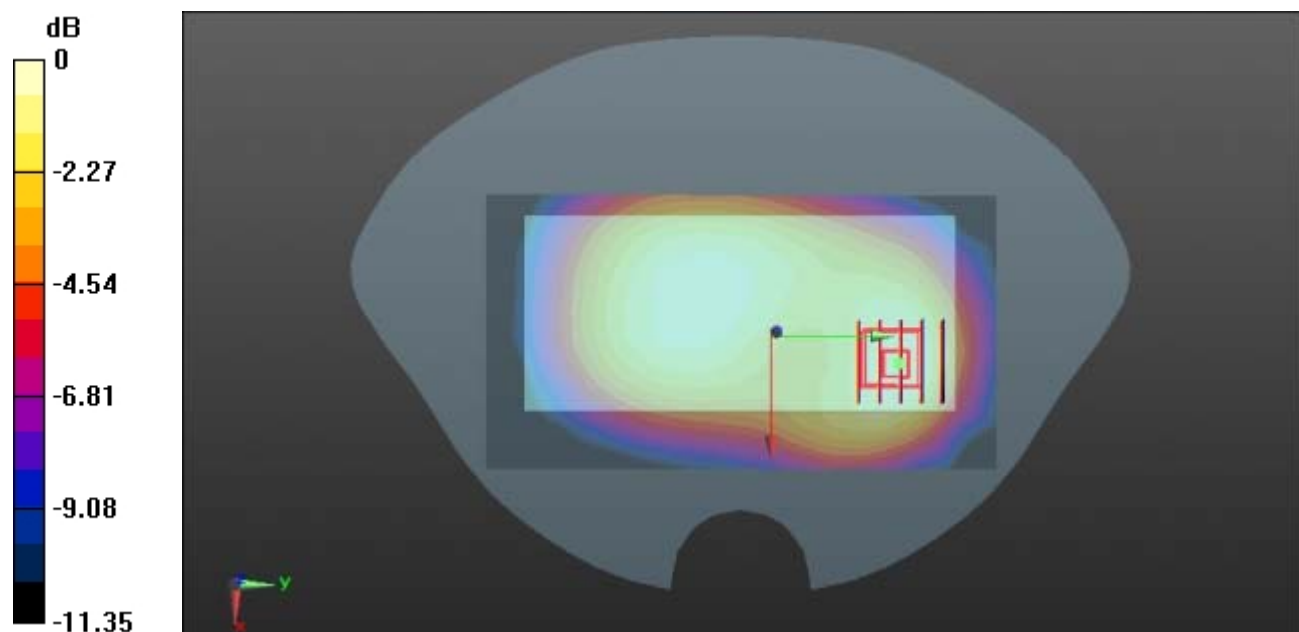
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.79 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.081 W/kg

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



0 dB = 0.127 W/kg

Meas.61 Body Plane with Back Side 10mm on 167300 Channel in N5 mode with Antenna 0

Date: 2023.04.13

Communication System Band: N5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.923$ S/m; $\epsilon_r = 41.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(10.33, 10.33, 10.33); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch167300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.207 W/kg

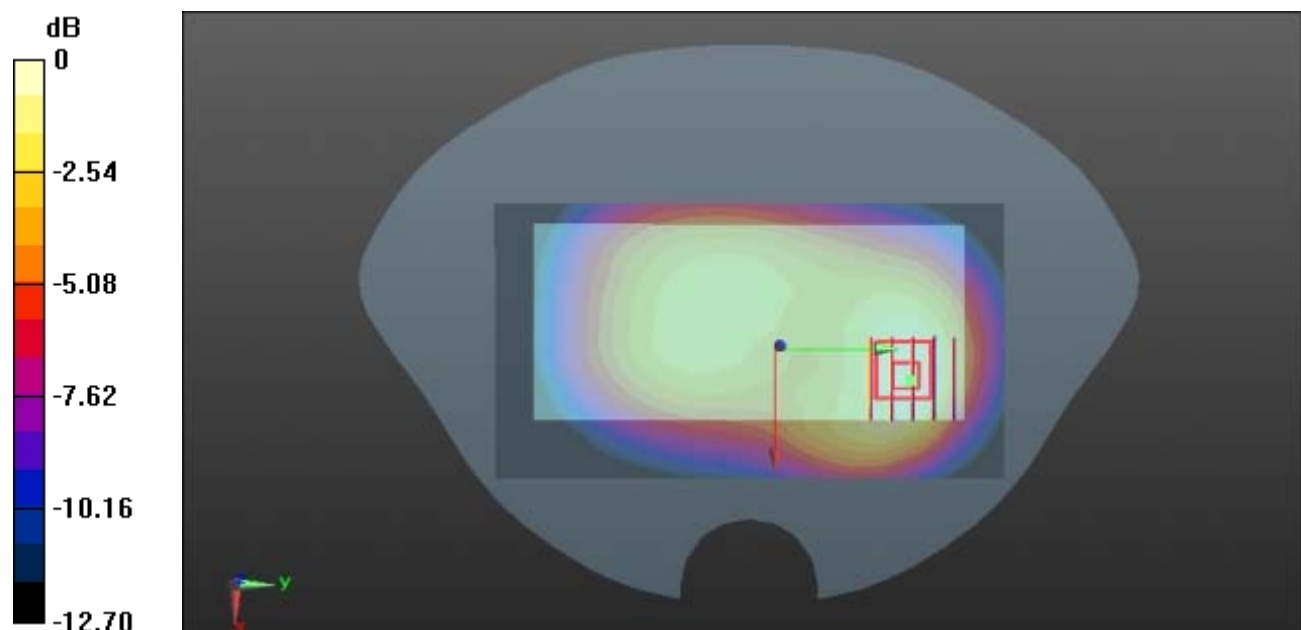
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.59 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.276 W/kg

SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.127 W/kg

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



0 dB = 0.203 W/kg

Meas.62 Right Head with Cheek on 507000 Channel in N7 mode with Antenna 5

Date: 2023.04.08

Communication System Band: N7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.878$ S/m; $\epsilon_r = 38.722$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.1°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

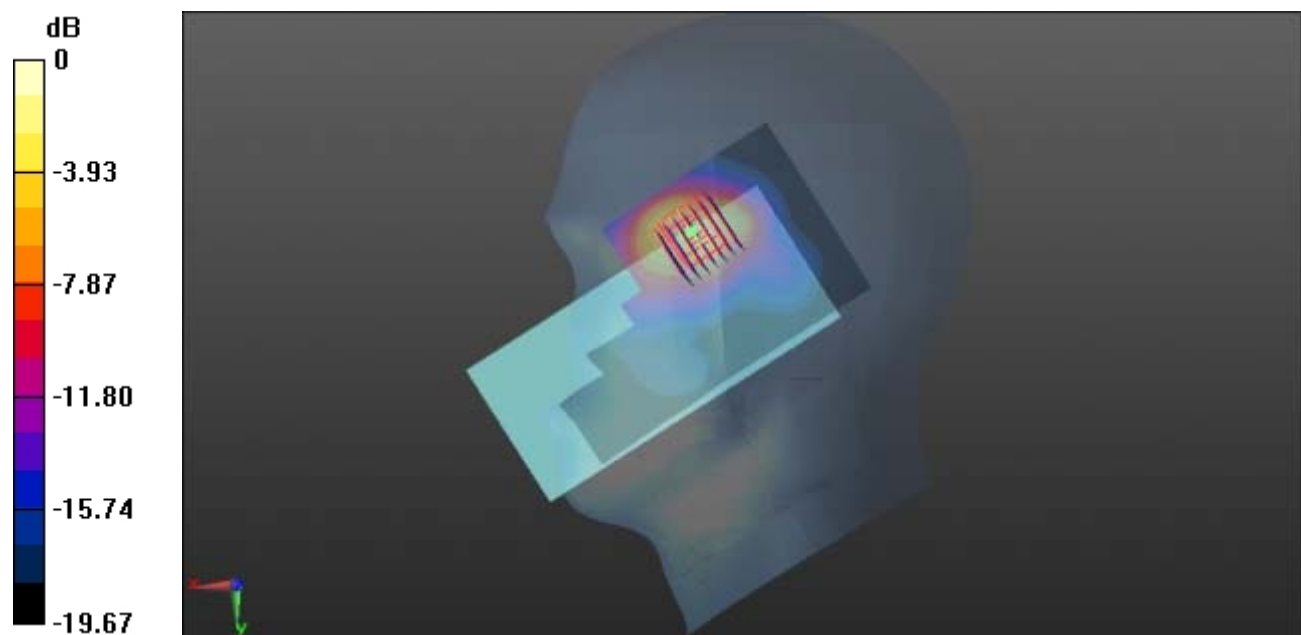
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.978 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.737 W/kg; SAR(10 g) = 0.333 W/kg

Maximum value of SAR (measured) = 0.856 W/kg



0 dB = 0.856 W/kg

Meas.63 Body Plane with Back Side 15mm on 507000 Channel in N7 mode with Antenna 4

Date: 2023.04.08

Communication System Band: N7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.878$ S/m; $\epsilon_r = 38.722$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.300 W/kg

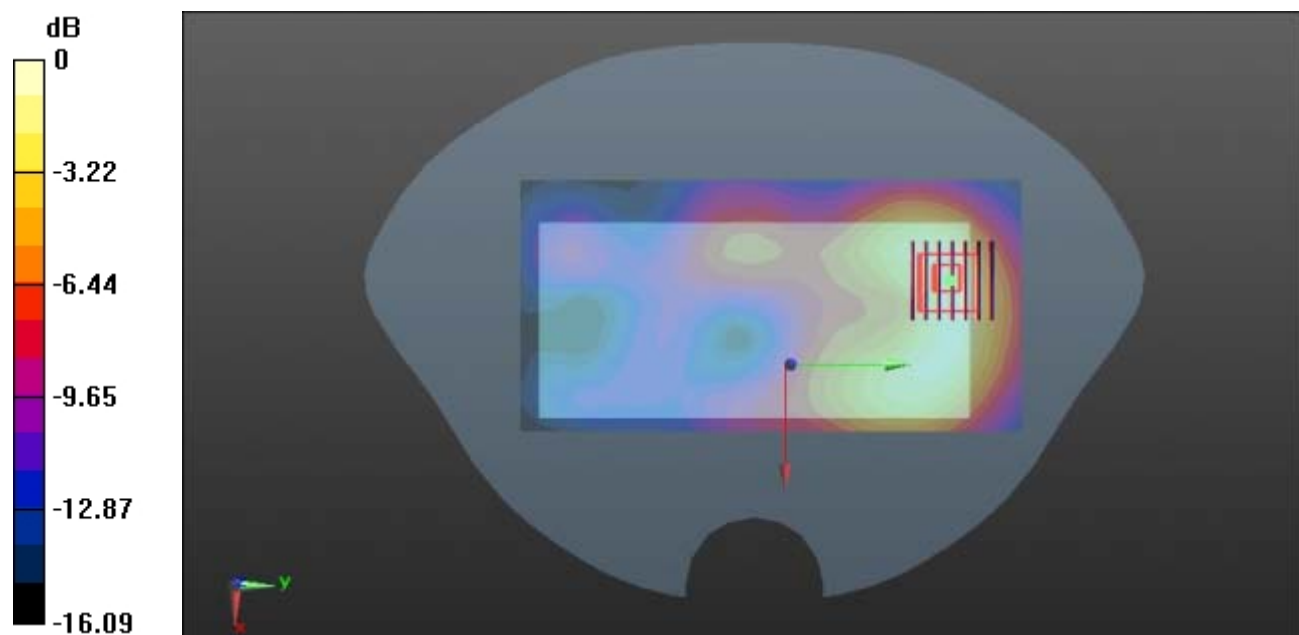
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.440 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.472 W/kg

SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.144 W/kg

Maximum value of SAR (measured) = 0.296 W/kg



0 dB = 0.296 W/kg

Meas.64 Body Plane with Bottom Edge 10mm on 507000 Channel in N7 mode with Antenna 4

Date: 2023.04.08

Communication System Band: N7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.878$ S/m; $\epsilon_r = 38.722$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.454 W/kg

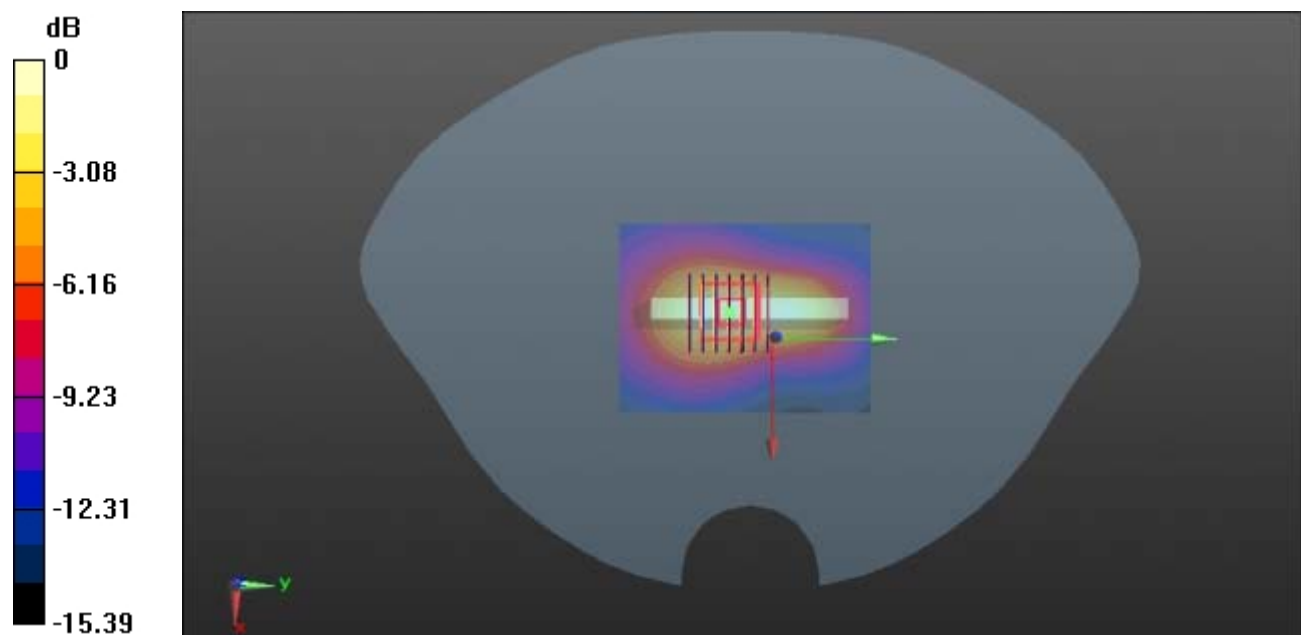
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.94 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.701 W/kg

SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.443 W/kg



0 dB = 0.443 W/kg

Meas.65 Body Plane with Bottom Edge 0mm on 507000 Channel in N7 mode with Antenna 4

Date: 2023.04.08

Communication System Band: N7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.878$ S/m; $\epsilon_r = 38.722$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.77 W/kg

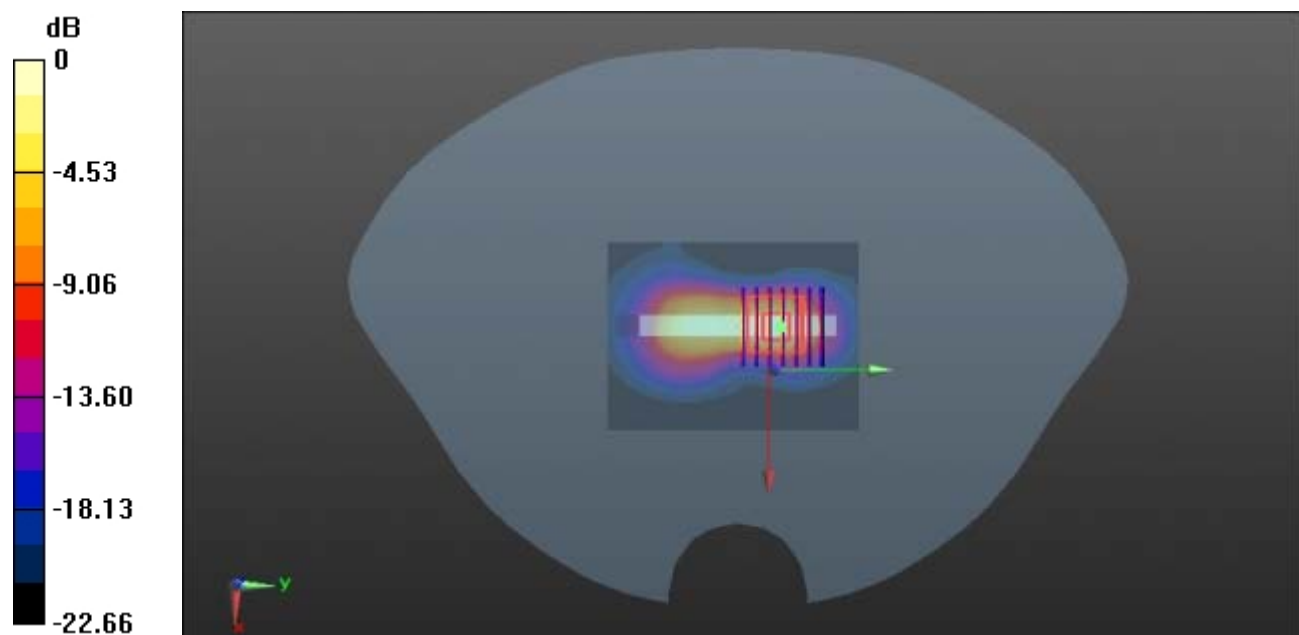
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.10 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 15.1 W/kg

SAR(1 g) = 5.01 W/kg; SAR(10 g) = 1.7 W/kg

Maximum value of SAR (measured) = 6.31 W/kg



0 dB = 6.31 W/kg

Meas.66 Right Head with Cheek on 519000 Channel in N38 mode with Antenna 5

Date: 2023.04.11

Communication System Band: N38; Frequency: 2595 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 39.911$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°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: 2022.11.18
- 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)

Ch519000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.620 W/kg

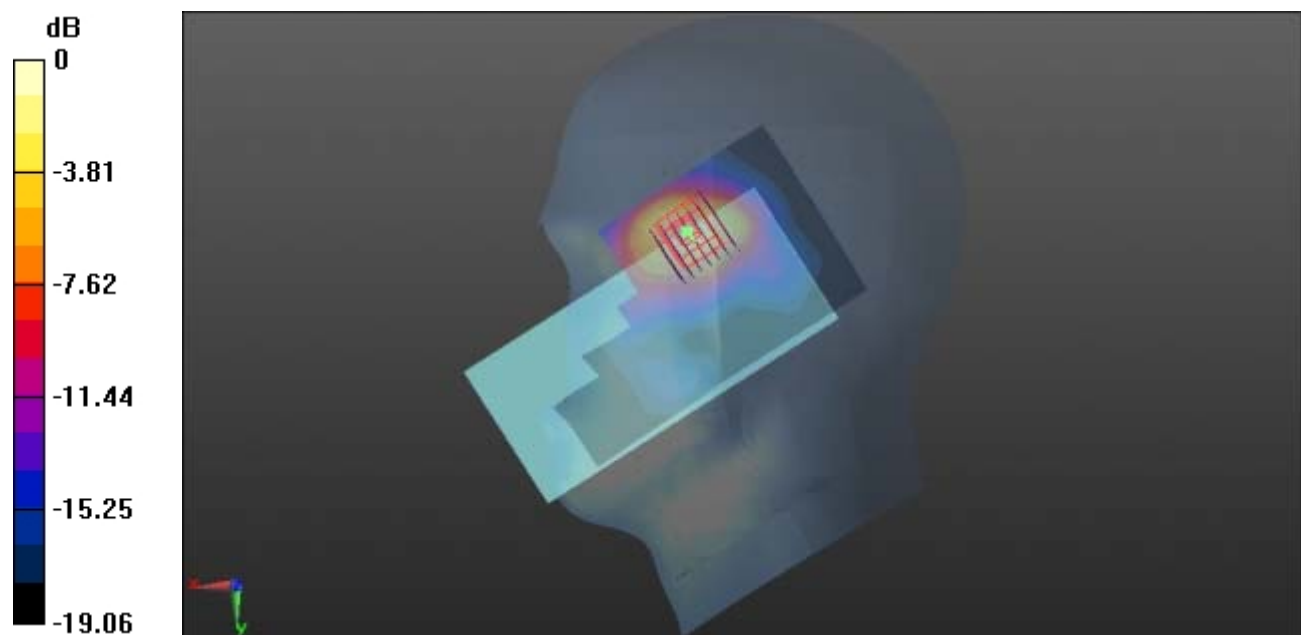
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.563 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.521 W/kg; SAR(10 g) = 0.238 W/kg

Maximum value of SAR (measured) = 0.603 W/kg



0 dB = 0.603 W/kg

Meas.67 Body Plane with Back Side 15mm on 519000 Channel in N38 mode with Antenna 4

Date: 2023.04.11

Communication System Band: N38; Frequency: 2595 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 39.911$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°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: 2022.11.18
- 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)

Ch519000 2/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.221 W/kg

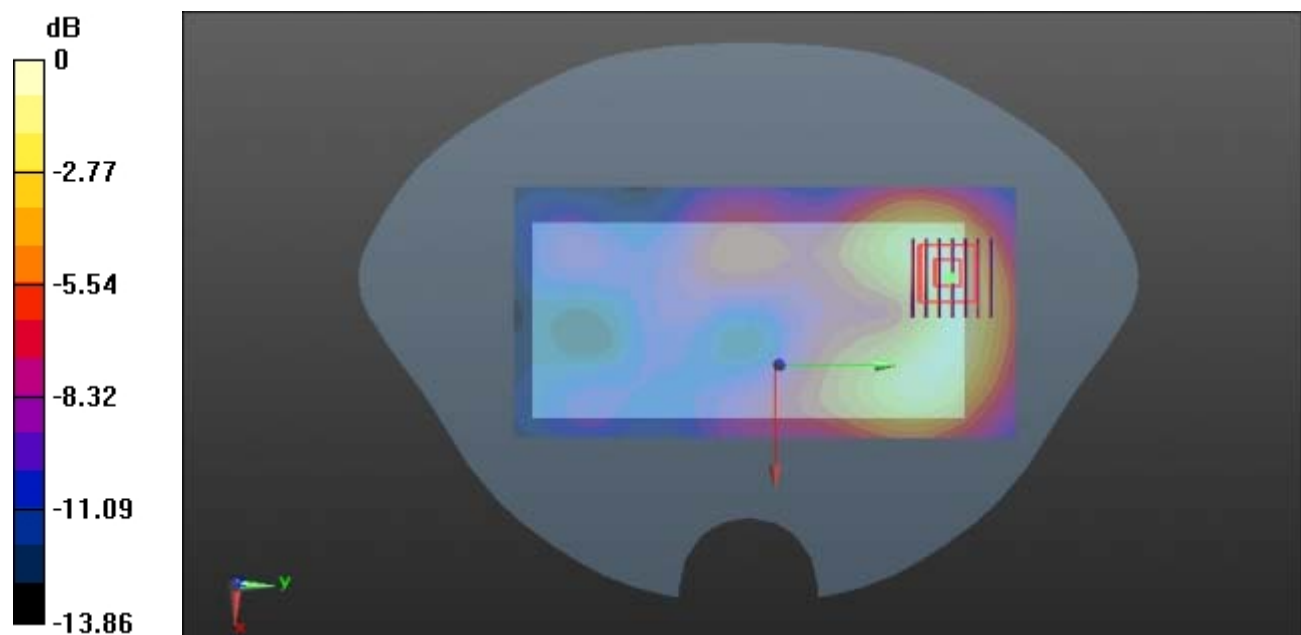
Ch519000 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.723 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.350 W/kg

SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.108 W/kg

Maximum value of SAR (measured) = 0.217 W/kg



0 dB = 0.217 W/kg

Meas.68 Body Plane with Bottom Edge 10mm on 519000 Channel in N38 mode with Antenna 4

Date: 2023.04.11

Communication System Band: N38; Frequency: 2595 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 39.911$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°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: 2022.11.18
- 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)

Ch519000/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.394 W/kg

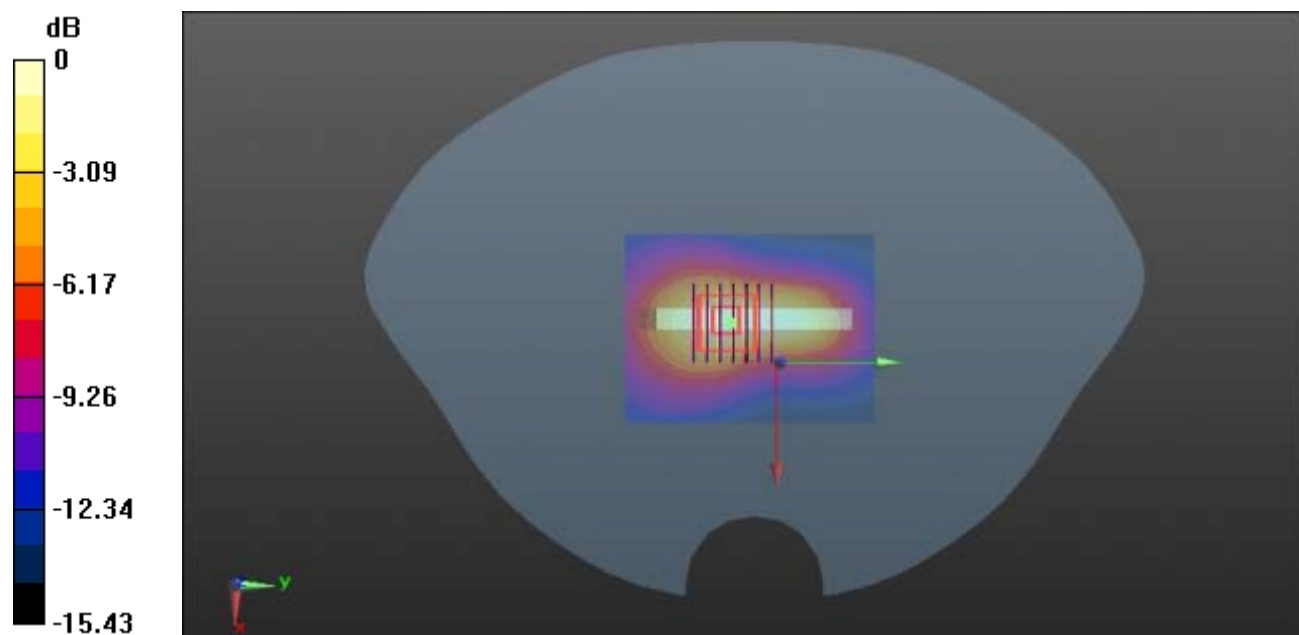
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.36 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.616 W/kg

SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.177 W/kg

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



0 dB = 0.386 W/kg

Meas.69 Right Head with Tilt on 518598 Channel in N41 mode with Antenna 3

Date: 2023.04.13

Communication System Band: N41; Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.931$ S/m; $\epsilon_r = 38.745$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.1°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.774 W/kg

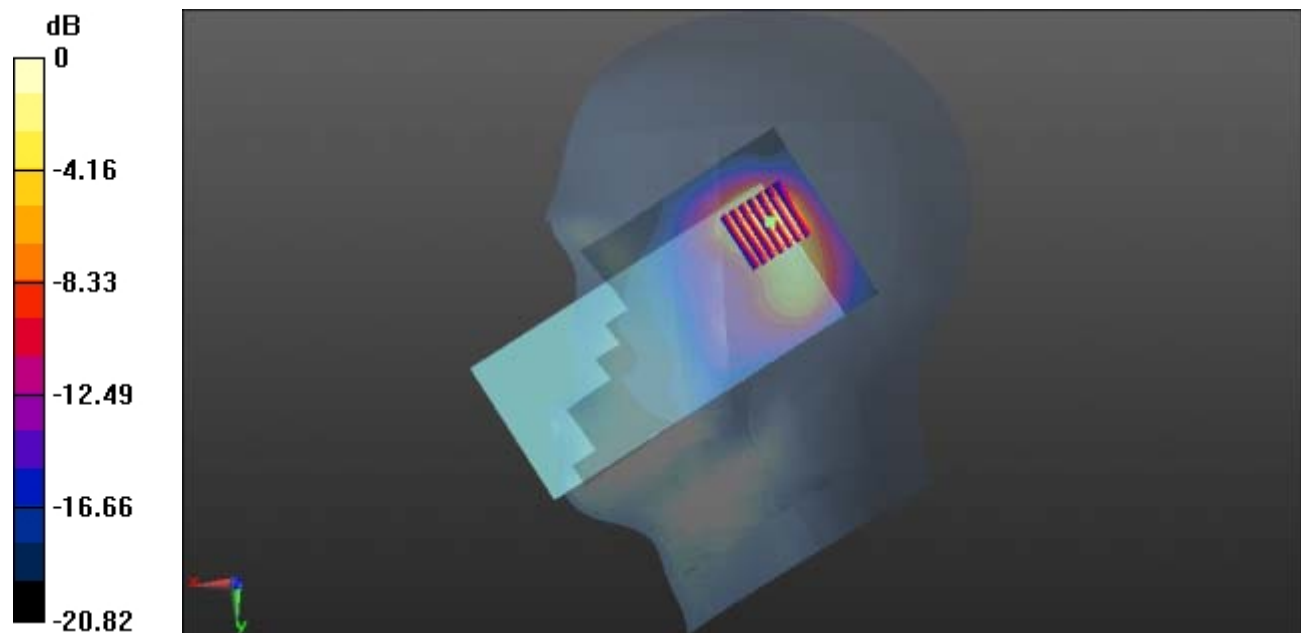
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.93 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.251 W/kg

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



0 dB = 0.677 W/kg

Meas.70 Body Plane with Back Side 15mm on 518598 Channel in N41 mode with Antenna 4

Date: 2023.04.13

Communication System Band: N41; Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.931$ S/m; $\epsilon_r = 38.745$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.337 W/kg

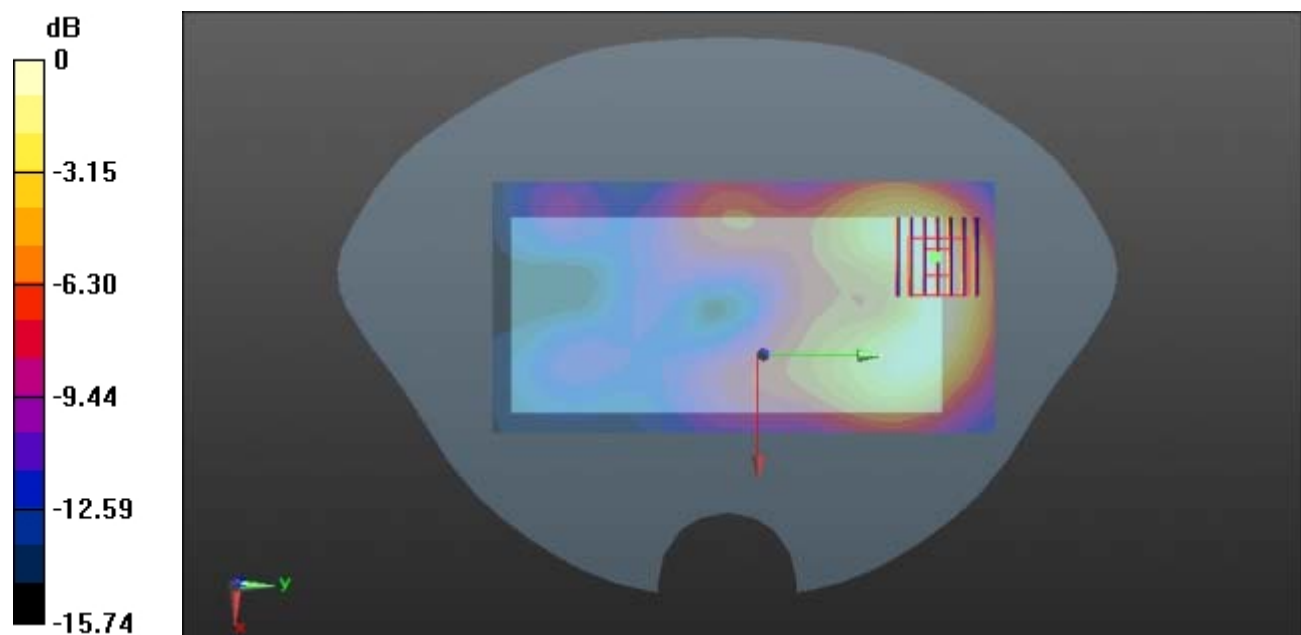
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.403 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.494 W/kg

SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 0.299 W/kg



0 dB = 0.299 W/kg

Meas.71 Body Plane with Bottom Edge 10mm on 518598 Channel in N41 mode with Antenna 4

Date: 2023.04.13

Communication System Band: N41; Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.931$ S/m; $\epsilon_r = 38.745$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.457 W/kg

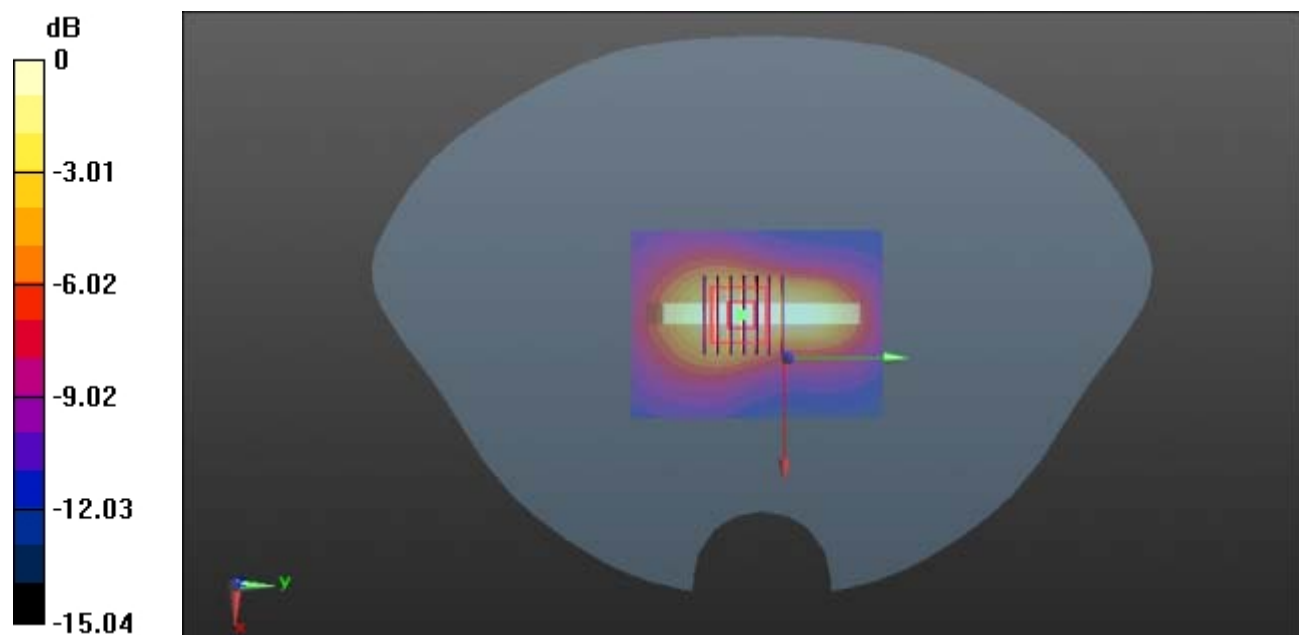
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.96 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.699 W/kg

SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.201 W/kg

Maximum value of SAR (measured) = 0.431 W/kg



0 dB = 0.431 W/kg

Meas.72 Body Plane with Bottom Edge 0mm on 518598 Channel in N41 mode with Antenna 4

Date: 2023.04.13

Communication System Band: N41; Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.931$ S/m; $\epsilon_r = 38.745$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 5.48 W/kg

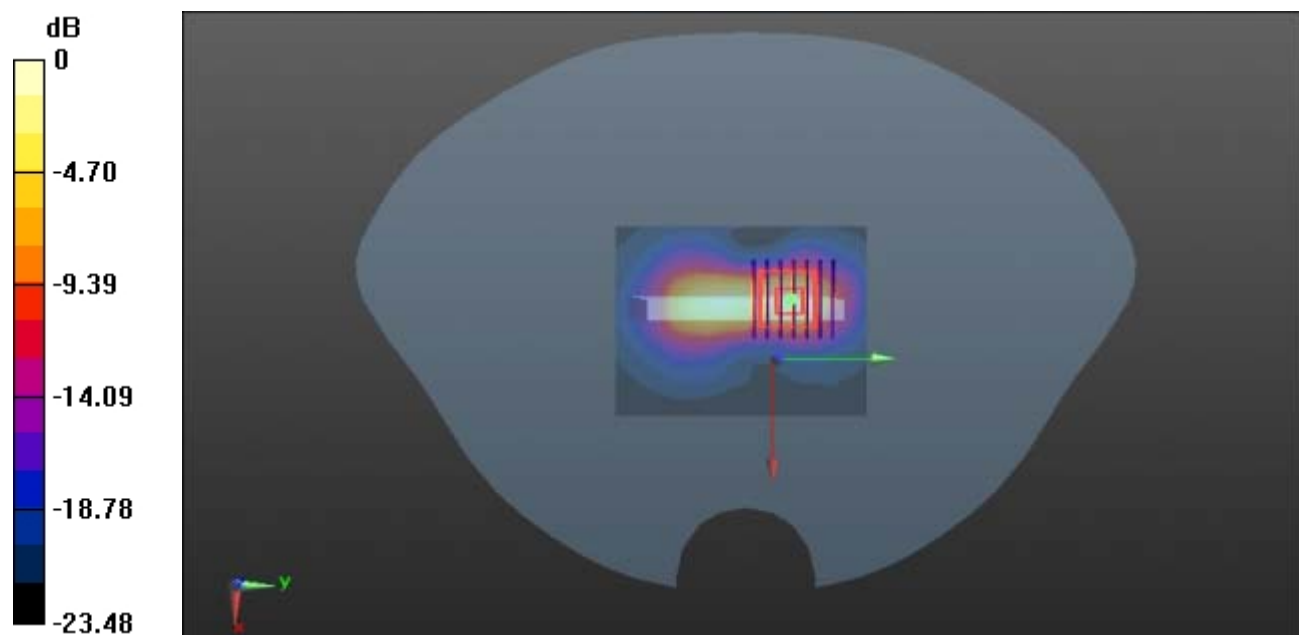
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.52 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 13.3 W/kg

SAR(1 g) = 4.24 W/kg; SAR(10 g) = 1.41 W/kg

Maximum value of SAR (measured) = 5.34 W/kg



0 dB = 5.34 W/kg

Meas.73 Right Head with Cheek on 349000 Channel in N66 mode with Antenna 3

Date: 2023.04.23

Communication System Band: N66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.365$ S/m; $\epsilon_r = 40.104$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59) ; Calibrated: 2022.09.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.973 W/kg

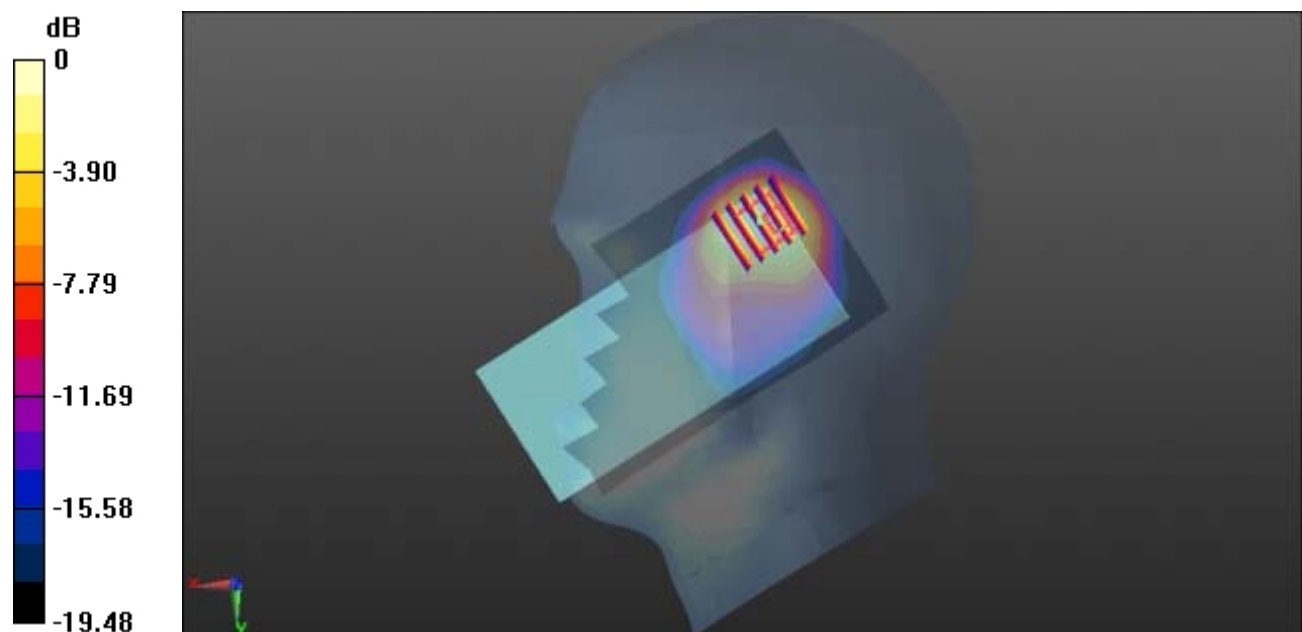
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.67 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.816 W/kg; SAR(10 g) = 0.424 W/kg

Maximum value of SAR (measured) = 0.929 W/kg



0 dB = 0.929 W/kg

Meas.74 Body Plane with Back Side 15mm on 349000 Channel in N66 mode with Antenna 4

Date: 2023.04.23

Communication System Band: N66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.365$ S/m; $\epsilon_r = 40.104$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59) ; Calibrated: 2022.09.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.162 W/kg

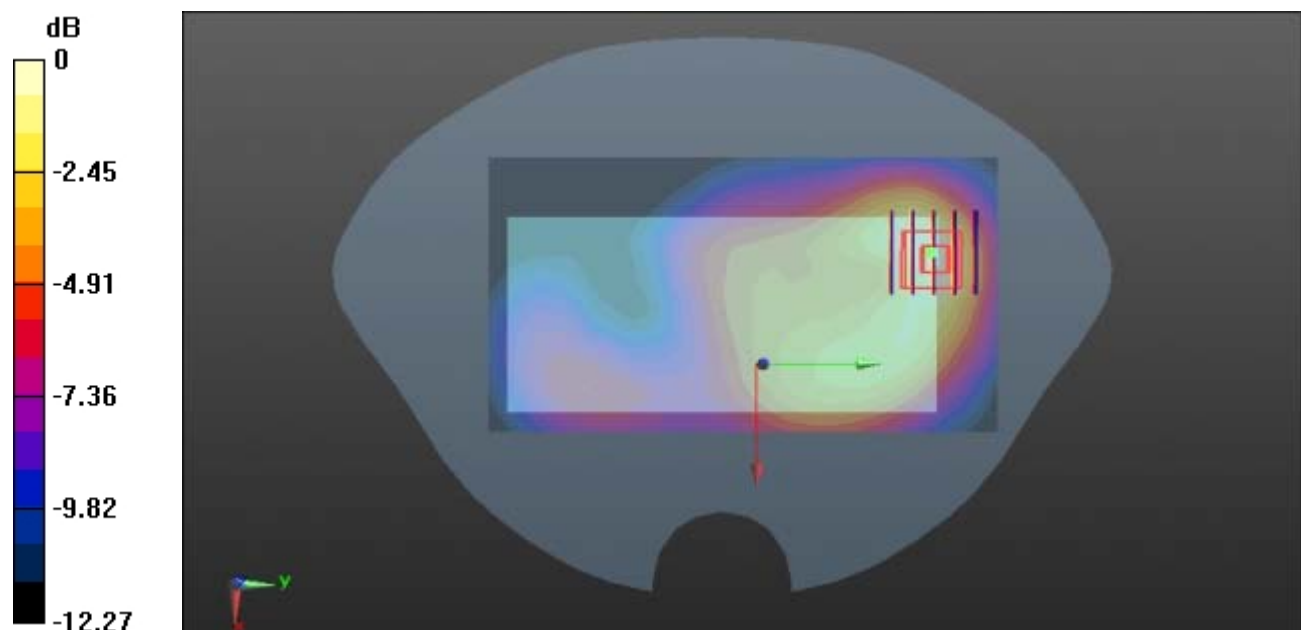
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.911 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.236 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.165 W/kg



0 dB = 0.165 W/kg

Meas.75 Body Plane with Bottom Edge 10mm on 349000 Channel in N66 mode with Antenna 4

Date: 2023.04.23

Communication System Band: N66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.365$ S/m; $\epsilon_r = 40.104$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59) ; Calibrated: 2022.09.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch349000/Area Scan (51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.376 W/kg

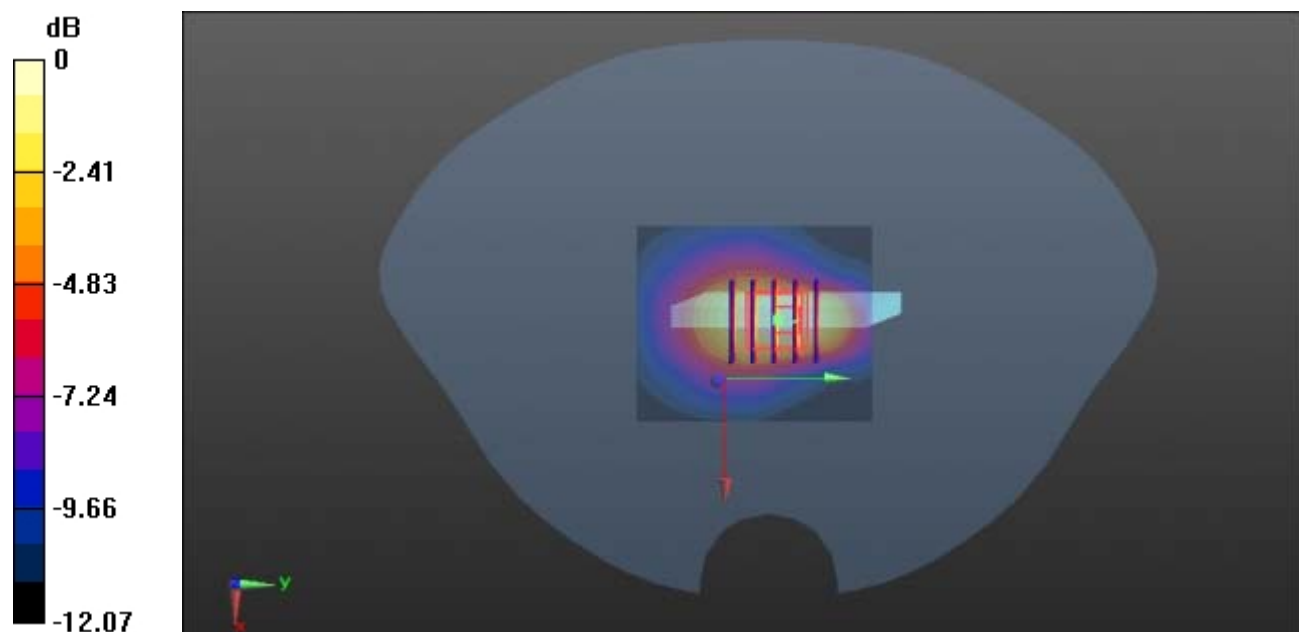
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.51 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.504 W/kg

SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.177 W/kg

Maximum value of SAR (measured) = 0.335 W/kg



0 dB = 0.335 W/kg

Meas.76 Body Plane with Back Side 0mm on 349000 Channel in N66 mode with Antenna 4

Date: 2023.04.23

Communication System Band: N66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.365$ S/m; $\epsilon_r = 40.104$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(8.59, 8.59, 8.59) ; Calibrated: 2022.09.23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 4.41 W/kg

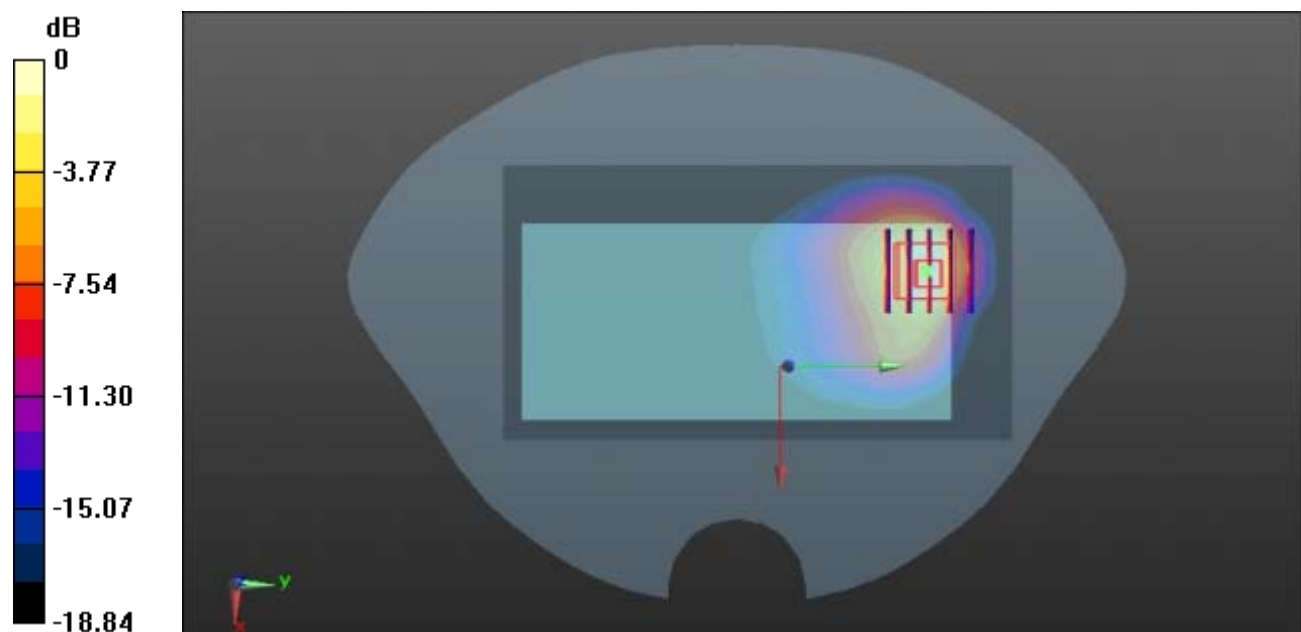
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.895 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.06 W/kg

SAR(1 g) = 3.2 W/kg; SAR(10 g) = 1.45 W/kg

Maximum value of SAR (measured) = 3.62 W/kg



0 dB = 3.62 W/kg

Meas.77 Left Head with Cheek on 1 Channel in IEEE802.11b mode with Antenna 9&10

Date: 2023.04.24

Communication System Band: WLAN(b); Frequency: 2412 MHz; Duty Cycle: 1:1.004

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.74$ S/m; $\epsilon_r = 40.446$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°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: 2022.11.18
- 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)

Ch1/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.804 W/kg

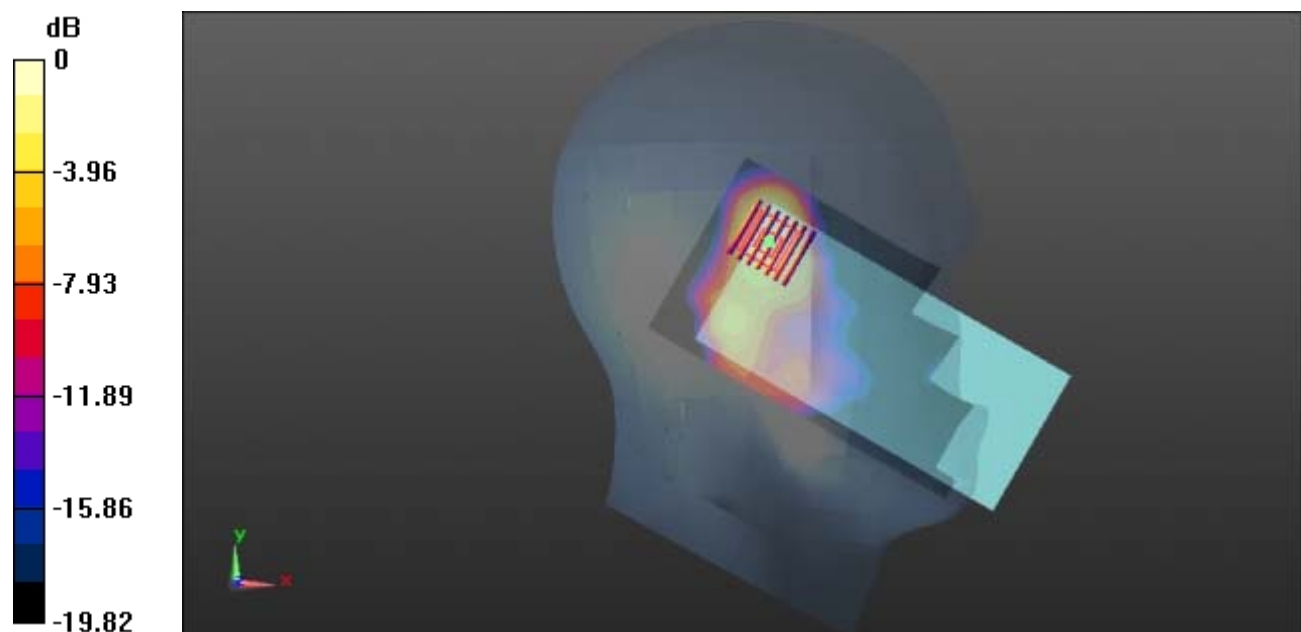
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.15 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.691 W/kg; SAR(10 g) = 0.353 W/kg

Maximum value of SAR (measured) = 0.782 W/kg



0 dB = 0.782 W/kg

Meas.78 Body Plane with Back Side 15mm on 6 Channel in IEEE802.11b mode with Antenna 9&10

Date: 2023.04.24

Communication System Band: WLAN(b); Frequency: 2437 MHz; Duty Cycle: 1:1.004

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.769$ S/m; $\epsilon_r = 40.376$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.187 W/kg

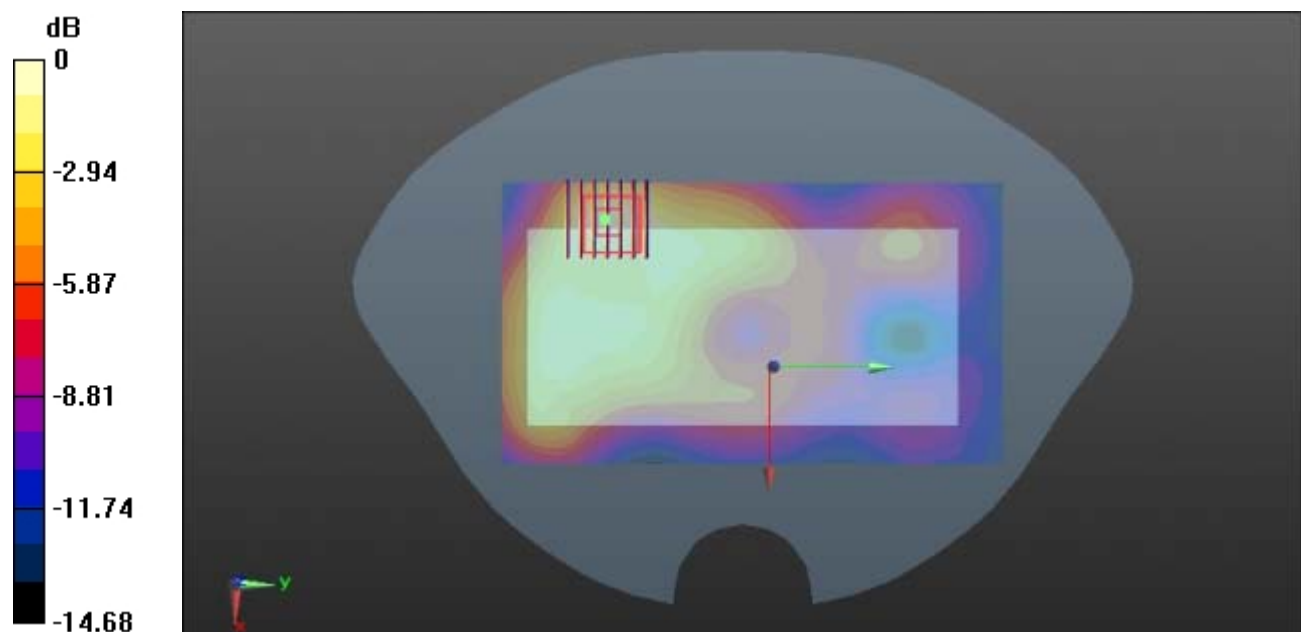
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.936 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.294 W/kg

SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.092 W/kg

Maximum value of SAR (measured) = 0.187 W/kg



0 dB = 0.187 W/kg

Meas.79 Body Plane with Right Edge 10mm on 6 Channel in IEEE802.11b mode with Antenna 9&10

Date: 2023.04.24

Communication System Band: WLAN(b); Frequency: 2437 MHz; Duty Cycle: 1:1.004

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.769$ S/m; $\epsilon_r = 40.376$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD00P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (61x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.733 W/kg

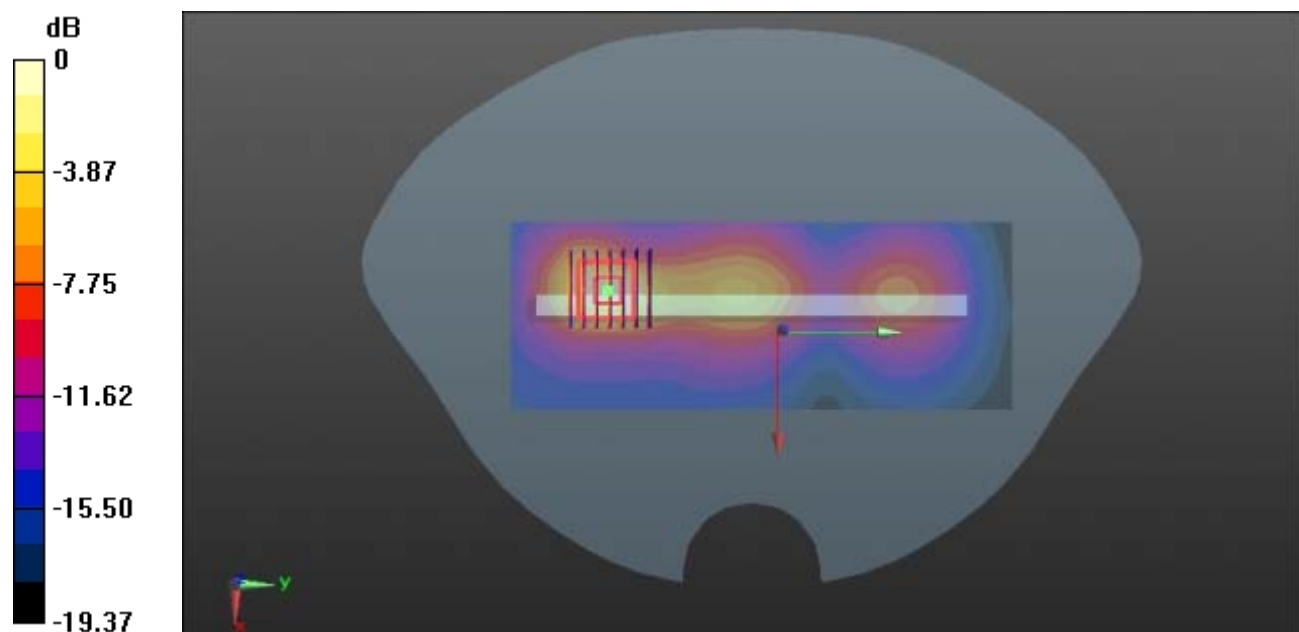
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.39 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.613 W/kg; SAR(10 g) = 0.275 W/kg

Maximum value of SAR (measured) = 0.740 W/kg



0 dB = 0.740 W/kg

Meas.80 Left Head with Cheek on 52 Channel in IEEE802.11a mode with Antenna 2& 9

Date: 2023.05.01

Communication System Band: WLAN(a); Frequency: 5260 MHz; Duty Cycle: 1:1.03

Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 4.651$ S/m; $\epsilon_r = 36.09$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(5.65, 5.65, 5.65); Calibrated: 2022.09.23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch52/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

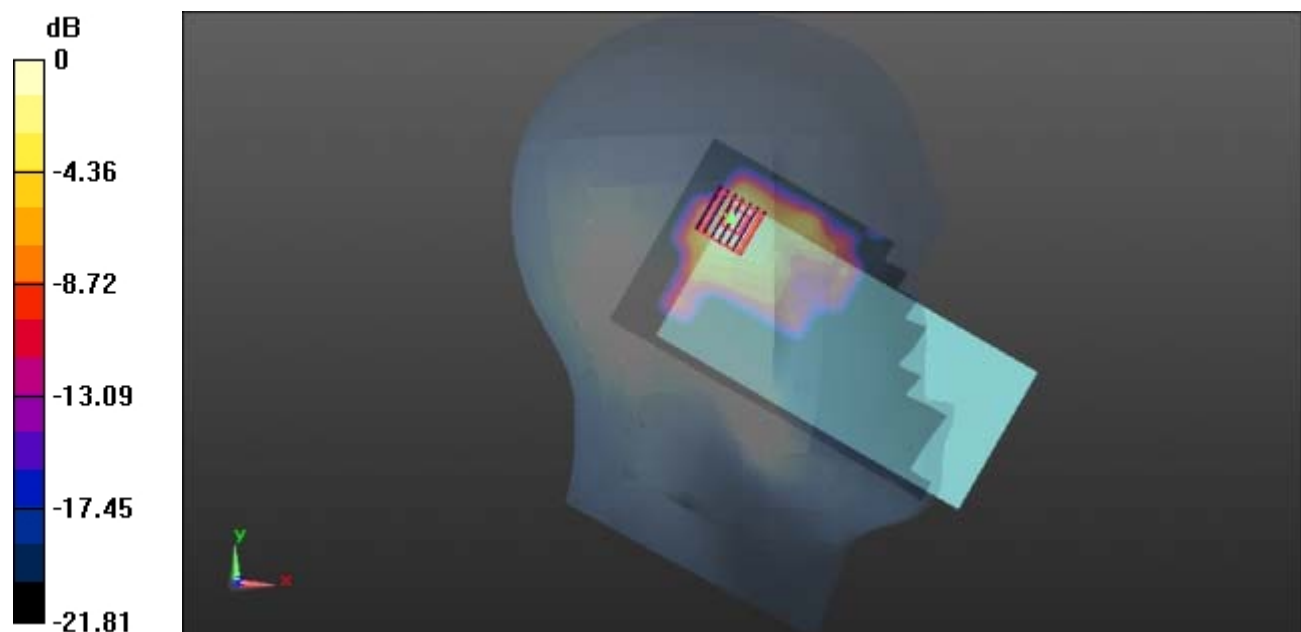
Ch52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.959 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.84 W/kg

SAR(1 g) = 0.796 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg

Meas.81 Left Head with Cheek on 122 Channel in IEEE802.11ac80 mode with Antenna 2&9

Date: 2023.04.18

Communication System Band: WLAN(ac80); Frequency: 5610 MHz; Duty Cycle: 1:1.127

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.244$ S/m; $\epsilon_r = 35.585$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°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 Sn1454; Calibrated: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch122/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.64 W/kg

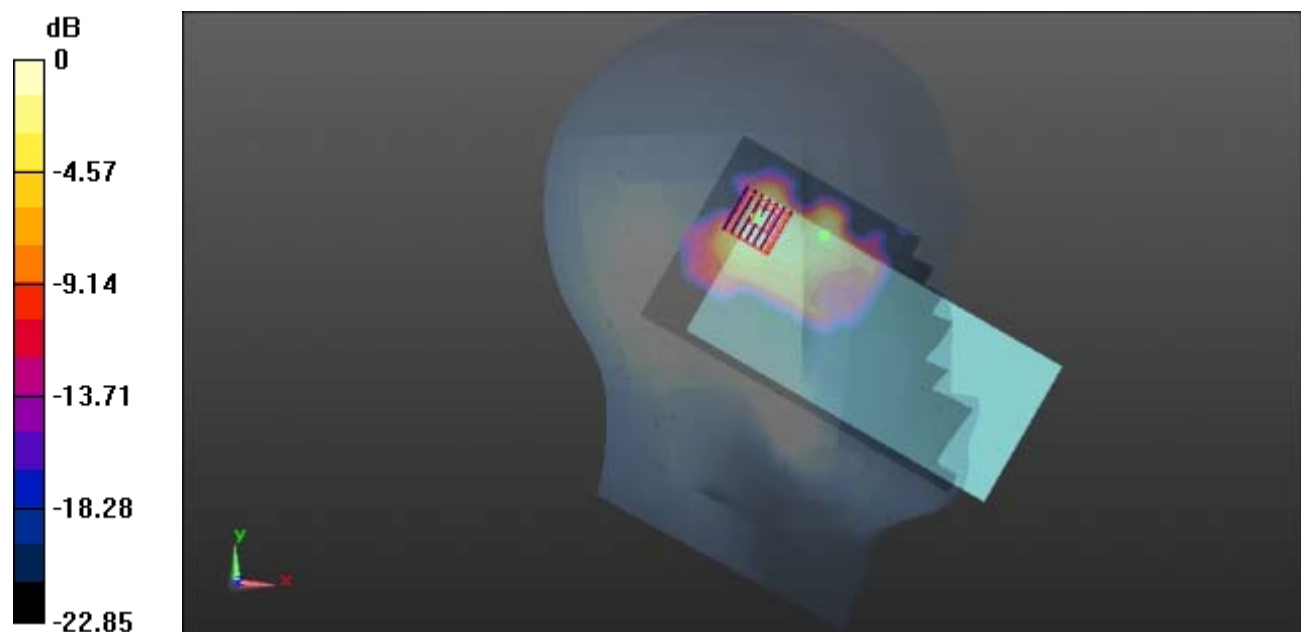
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.328 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 3.43 W/kg

SAR(1 g) = 0.835 W/kg; SAR(10 g) = 0.283 W/kg

Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg

Meas.82 Left Head with Cheek on 155 Channel in IEEE802.11ac80 mode with Antenna 2&9

Date: 2023.04.21

Communication System Band: WLAN(ac80); Frequency: 5775 MHz; Duty Cycle: 1:1.127

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.387$ S/m; $\epsilon_r = 34.288$; $\rho = 1000$ 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 Sn1454; Calibrated: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.43 W/kg

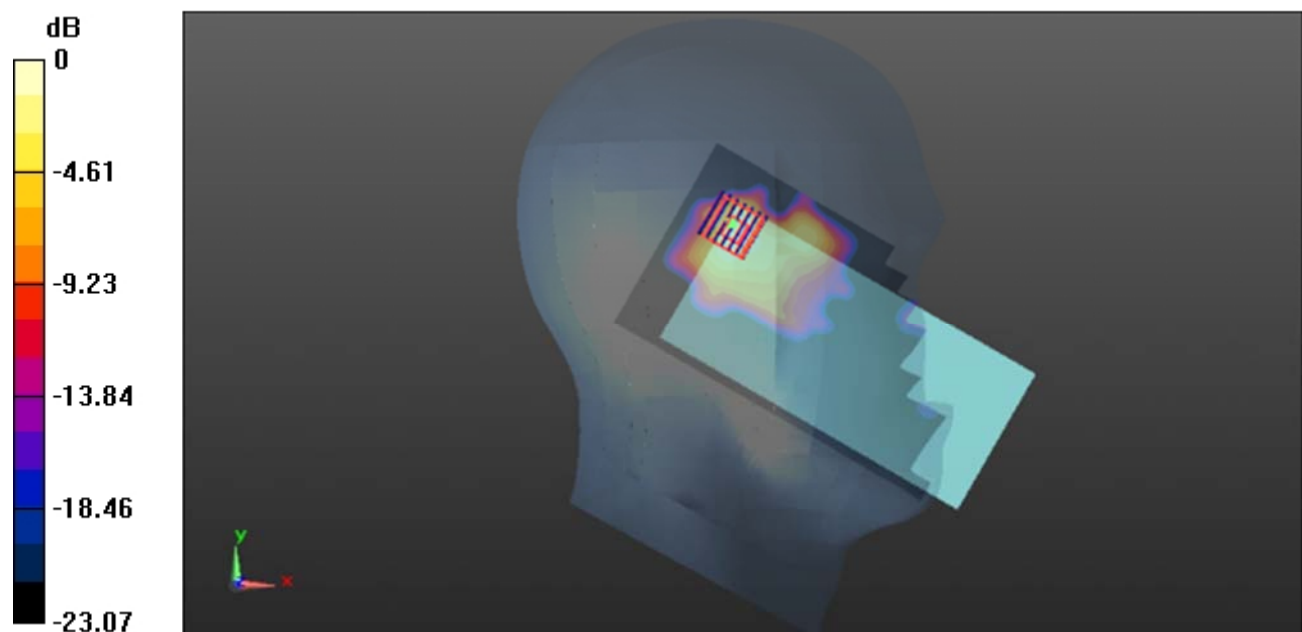
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.767 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 0.728 W/kg; SAR(10 g) = 0.244 W/kg

Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg

Meas.83 Body Plane with Front Side 15mm on 60 Channel in IEEE802.11a mode with Antenna 2&9

Date: 2023.05.01

Communication System Band: WLAN(a); Frequency: 5300 MHz; Duty Cycle: 1:1.03

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.747$ S/m; $\epsilon_r = 34.959$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(5.47, 5.47, 5.47); Calibrated: 2022.09.23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch60/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.156 W/kg

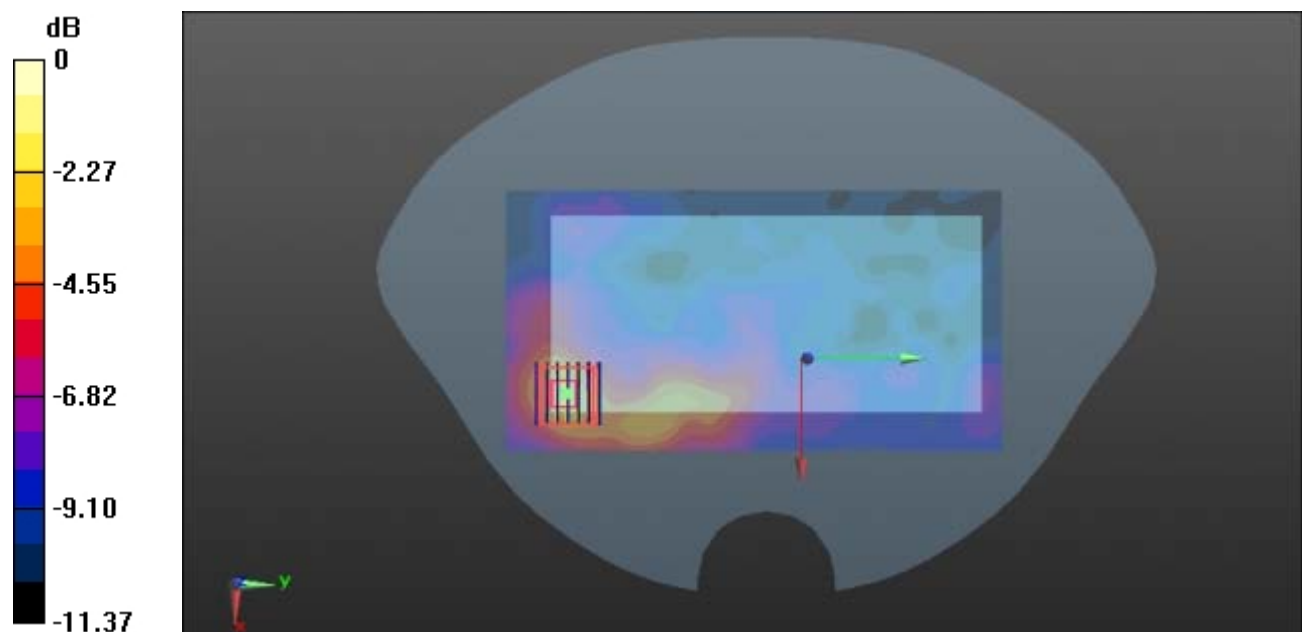
Ch60/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.862 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.414 W/kg

SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.072 W/kg

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



0 dB = 0.247 W/kg

Meas.84 Body Plane with Front Side 15mm on 120 Channel in IEEE802.11a mode with Antenna 2&9

Date: 2023.04.18

Communication System Band: WLAN(a); Frequency: 5600 MHz; Duty Cycle: 1:1.03

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.078$ S/m; $\epsilon_r = 36.312$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°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 Sn1454; Calibrated: 2022.11.18
- 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)

Ch120/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.179 W/kg

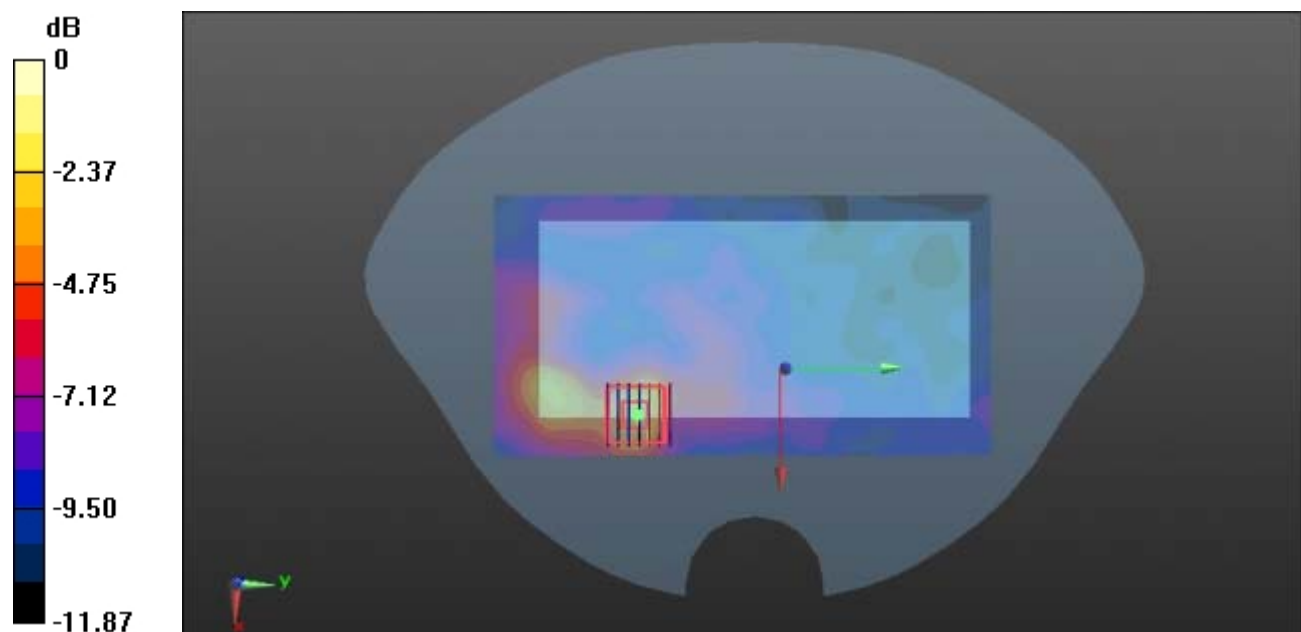
Ch120/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.394 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.587 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.082 W/kg

Maximum value of SAR (measured) = 0.299 W/kg



0 dB = 0.299 W/kg

Meas.85 Body Plane with Back Side 15mm on 155 Channel in IEEE802.11ac80 mode with Antenna 2&9

Date: 2023.04.21

Communication System Band: WLAN(ac80); Frequency: 5775 MHz; Duty Cycle: 1:1.127

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.387$ S/m; $\epsilon_r = 34.288$; $\rho = 1000$ 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 Sn1454; Calibrated: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.273 W/kg

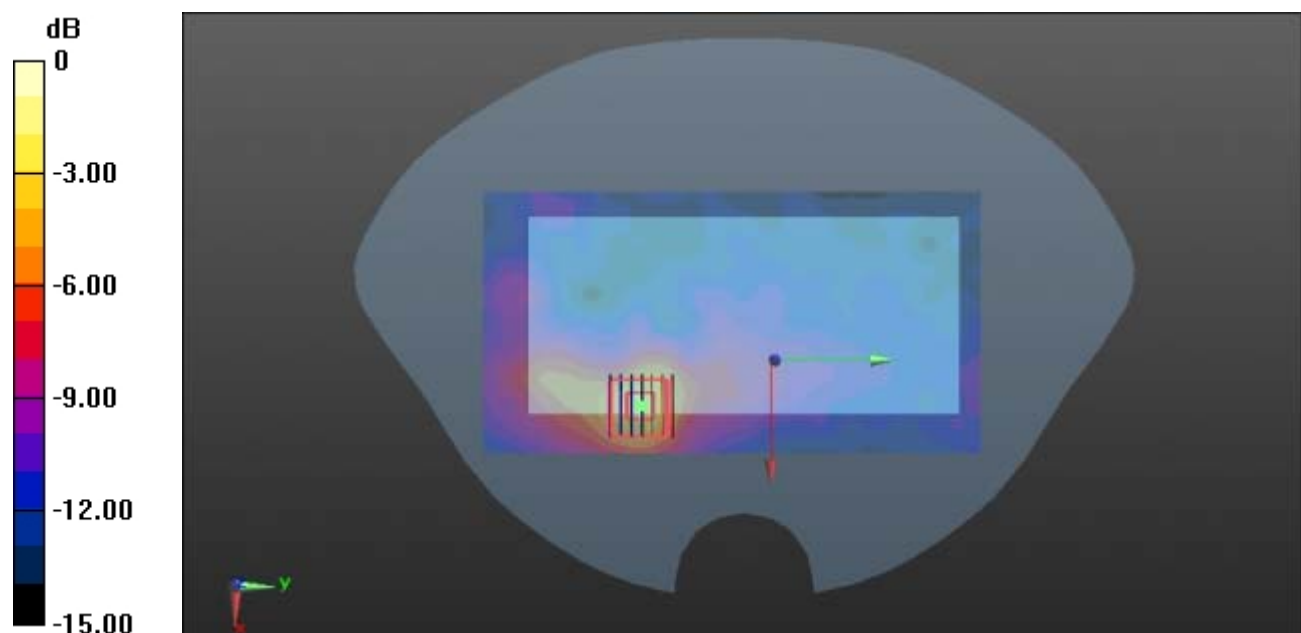
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.415 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.900 W/kg

SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.452 W/kg



0 dB = 0.452 W/kg

Meas.86 Body Plane with Left Edge 10mm on 40 Channel in IEEE802.11a mode with Antenna 2&9

Date: 2023.05.01

Communication System Band: 5.2G; Frequency: 5200 MHz; Duty Cycle: 1:1.03

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.523$ S/m; $\epsilon_r = 36.236$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(5.65, 5.65, 5.65); Calibrated: 2022.09.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.989 W/kg

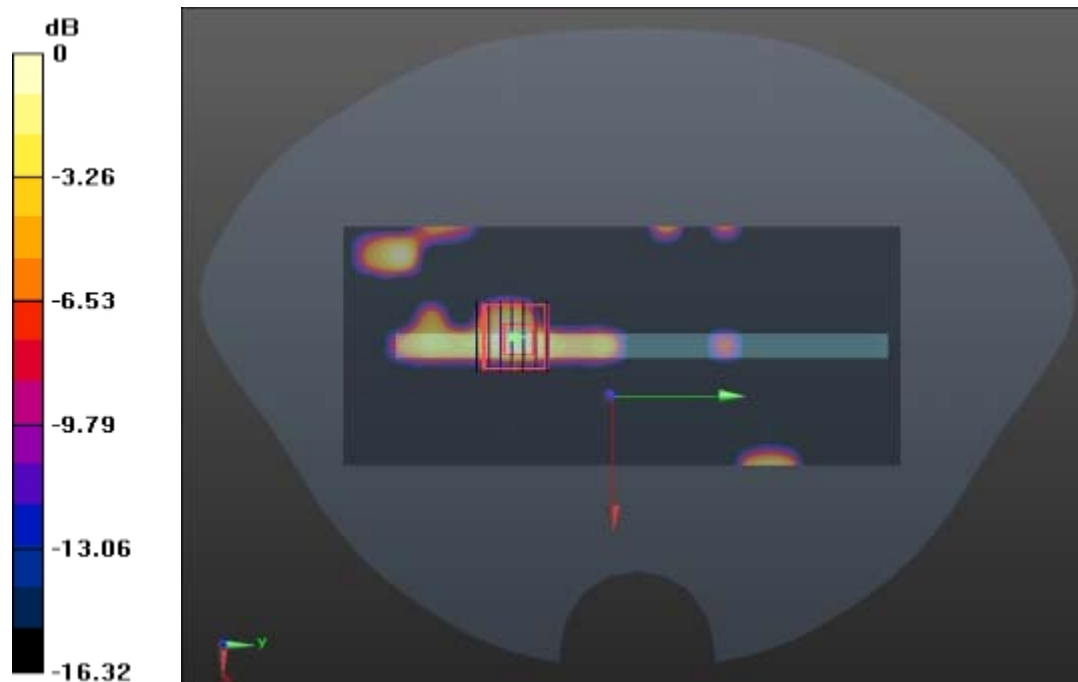
Ch40/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.107 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.173 W/kg

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



0 dB = 0.898 W/kg

Meas.87 Body Plane with Left Edge 10mm on 155 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2023.04.21

Communication System Band: WLAN(ac80); Frequency: 5775 MHz; Duty Cycle: 1:1.127

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.387$ S/m; $\epsilon_r = 34.288$; $\rho = 1000$ 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 Sn1454; Calibrated: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

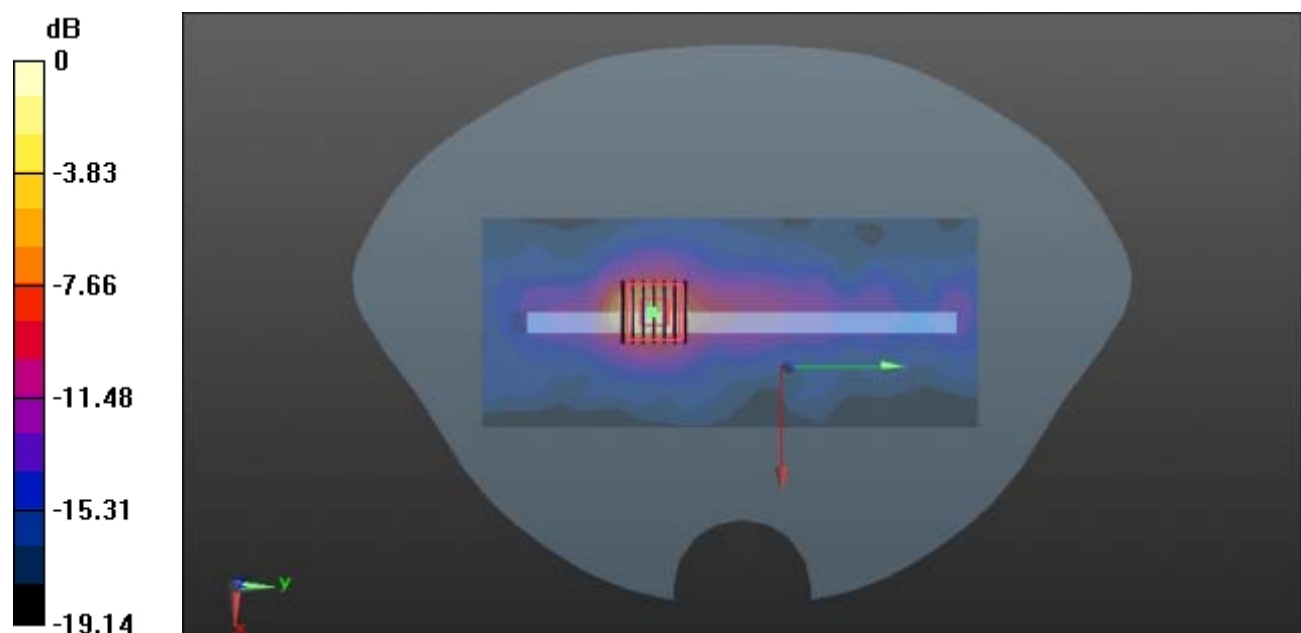
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.358 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.87 W/kg

SAR(1 g) = 0.660 W/kg; SAR(10 g) = 0.225 W/kg

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



0 dB = 1.30 W/kg

Meas.88 Body Plane with Top Edge 0mm on 64 Channel in IEEE802.11a mode with Antenna 2&9

Date: 2023.05.01

Communication System Band: WLAN(a); Frequency: 5320 MHz; Duty Cycle: 1:1.03

Medium parameters used (interpolated): $f = 5320$ MHz; $\sigma = 4.871$ S/m; $\epsilon_r = 34.811$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(5.47, 5.47, 5.47); Calibrated: 2022.09.23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch64/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

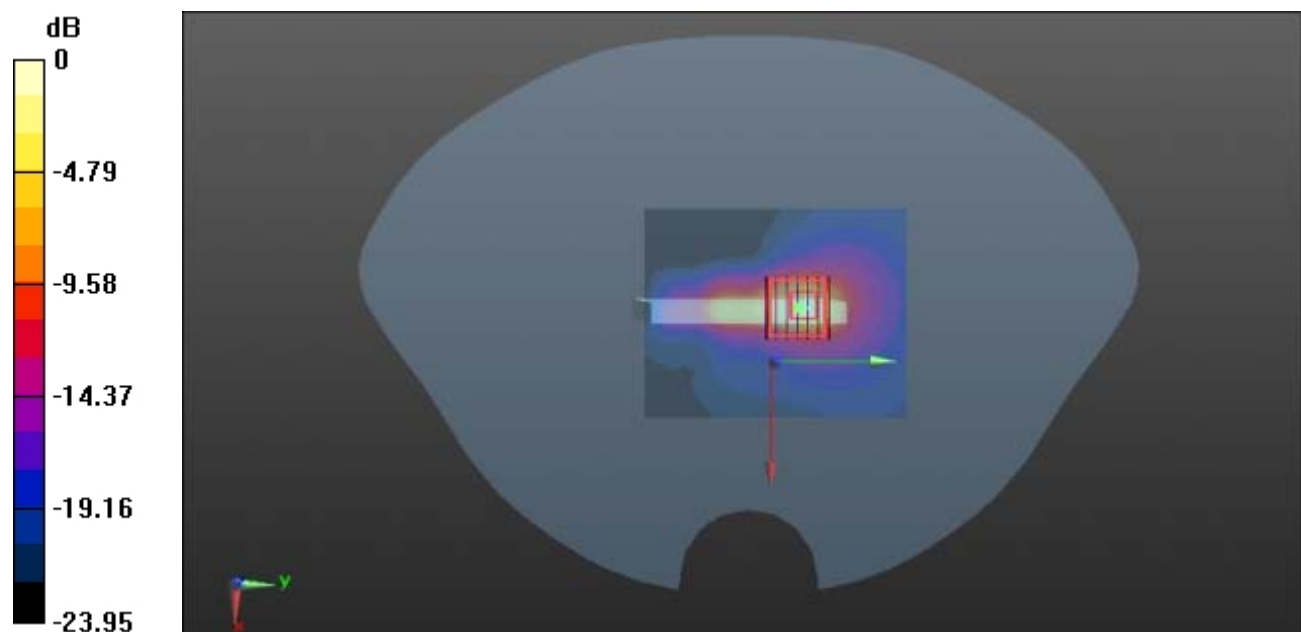
Ch64/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 13.57 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 3.11 W/kg; SAR(10 g) = 0.849 W/kg

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



0 dB = 7.04 W/kg

Meas.89 Body Plane with Left Edge 0mm on 116 Channel in IEEE802.11a mode with Antenna 2&9

Date: 2023.04.18

Communication System Band: WLAN(a); Frequency: 5580 MHz; Duty Cycle: 1:1.03

Medium parameters used (interpolated): $f = 5580$ MHz; $\sigma = 5.052$ S/m; $\epsilon_r = 36.341$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°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 Sn1454; Calibrated: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD00P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch116/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

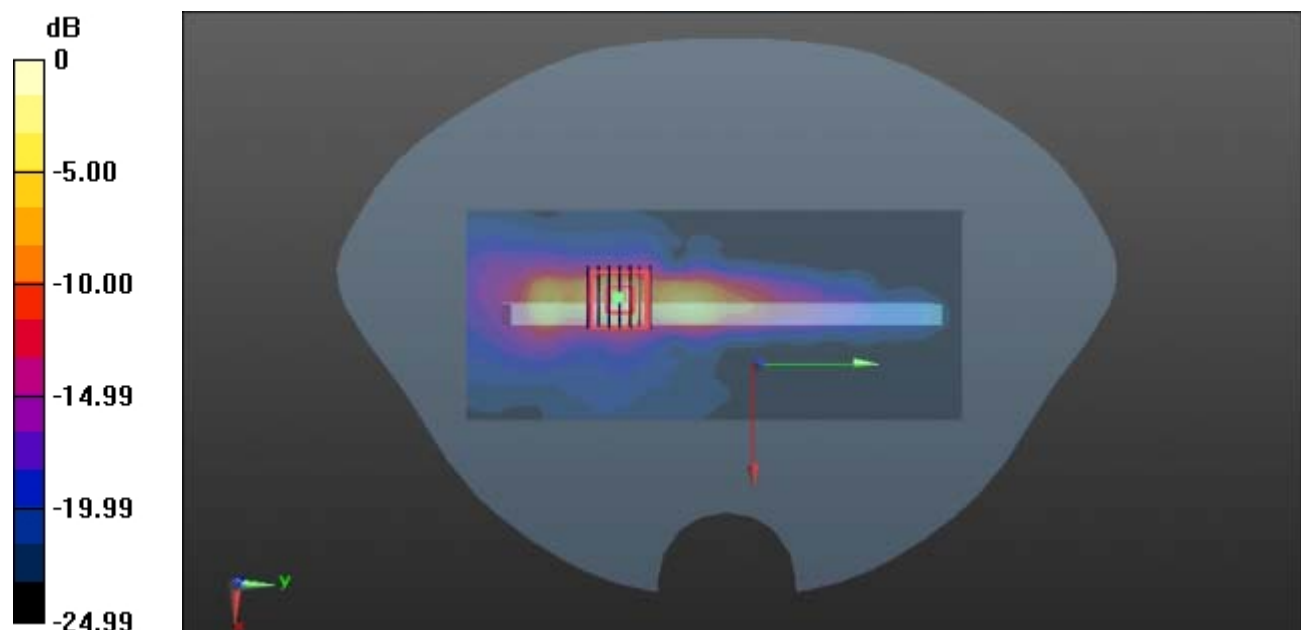
Ch116/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 10.81 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 20.4 W/kg

SAR(1 g) = 3.48 W/kg; SAR(10 g) = 0.852 W/kg

Maximum value of SAR (measured) = 8.94 W/kg



0 dB = 8.94 W/kg

Meas.90 Left Head with Cheek on 1 Channel in Bluetooth mode with Antenna 9

Date: 2023.04.24

Communication System Band: BT; Frequency: 2401 MHz; Duty Cycle: 1:1.305

Medium parameters used (interpolated): $f = 2401$ MHz; $\sigma = 1.652$ S/m; $\epsilon_r = 40.616$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD00P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

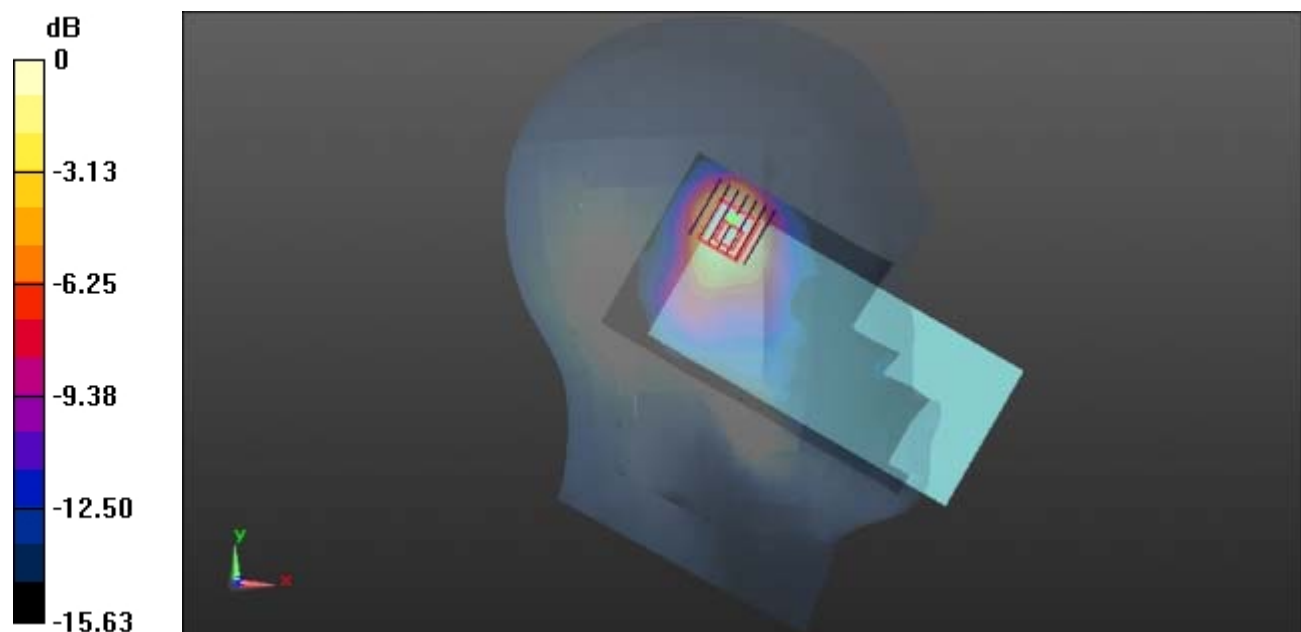
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.830 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.499 W/kg

SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.134 W/kg

Maximum value of SAR (measured) = 0.278 W/kg



0 dB = 0.278 W/kg

Meas.91 Body Plane with Back Side 15mm on 1 Channel in Bluetooth mode with Antenna 9

Date: 2023.04.24

Communication System Band: BT; Frequency: 2401 MHz; Duty Cycle: 1:1.305

Medium parameters used (interpolated): $f = 2401$ MHz; $\sigma = 1.652$ S/m; $\epsilon_r = 40.616$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°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: 2022.11.18
- 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)

Ch1/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0404 W/kg

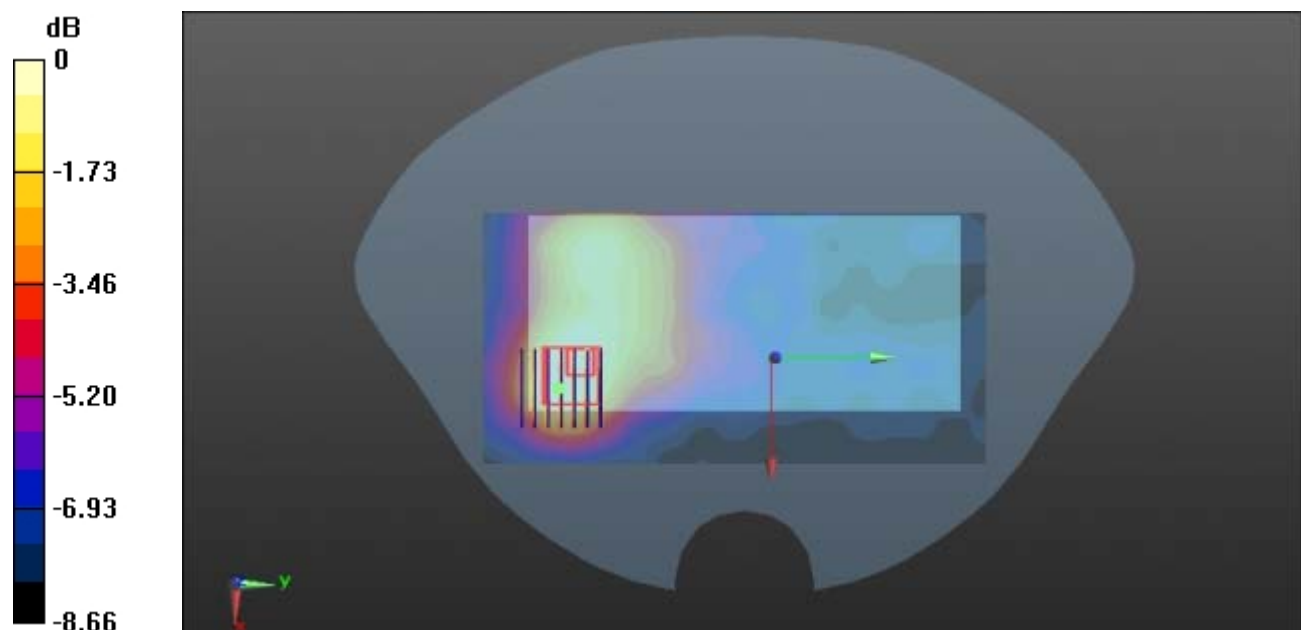
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.030 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.0610 W/kg

SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.022 W/kg

Maximum value of SAR (measured) = 0.0390 W/kg



0 dB = 0.0390 W/kg

Meas.92 Body Plane with Back Side 10mm on 1 Channel in Bluetooth mode with Antenna 9

Date: 2023.04.24

Communication System Band: BT; Frequency: 2401 MHz; Duty Cycle: 1:1.305

Medium parameters used (interpolated): $f = 2401$ MHz; $\sigma = 1.652$ S/m; $\epsilon_r = 40.616$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°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: 2022.11.18
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD00P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0818 W/kg

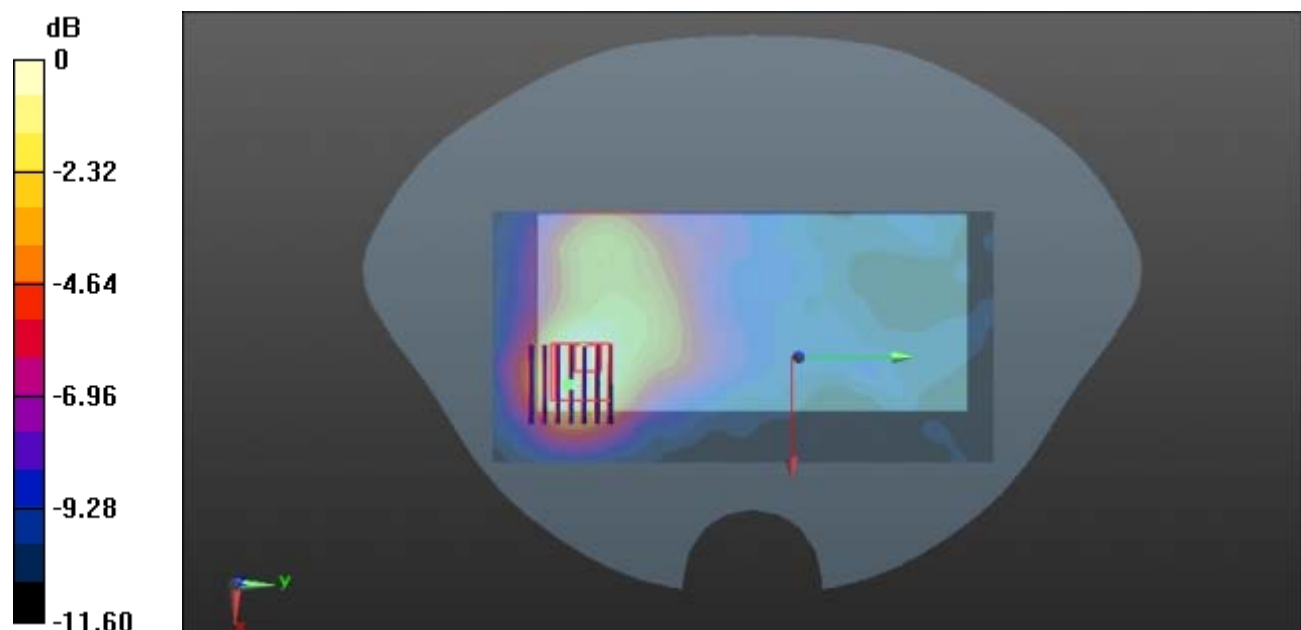
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.027 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.121 W/kg

SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.039 W/kg

Maximum value of SAR (measured) = 0.0736 W/kg



0 dB = 0.0736 W/kg

Meas.93 Body Plane with Top Edge 0mm on PCC21100+SCC21298 Channel in LTE Band7 mode with Antenna 3

Date: 2023.04.28

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.906$ S/m; $\epsilon_r = 38.652$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7664; ConvF(7.65, 7.65, 7.65); Calibrated: 2022.09.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2023.01.30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.06 W/kg

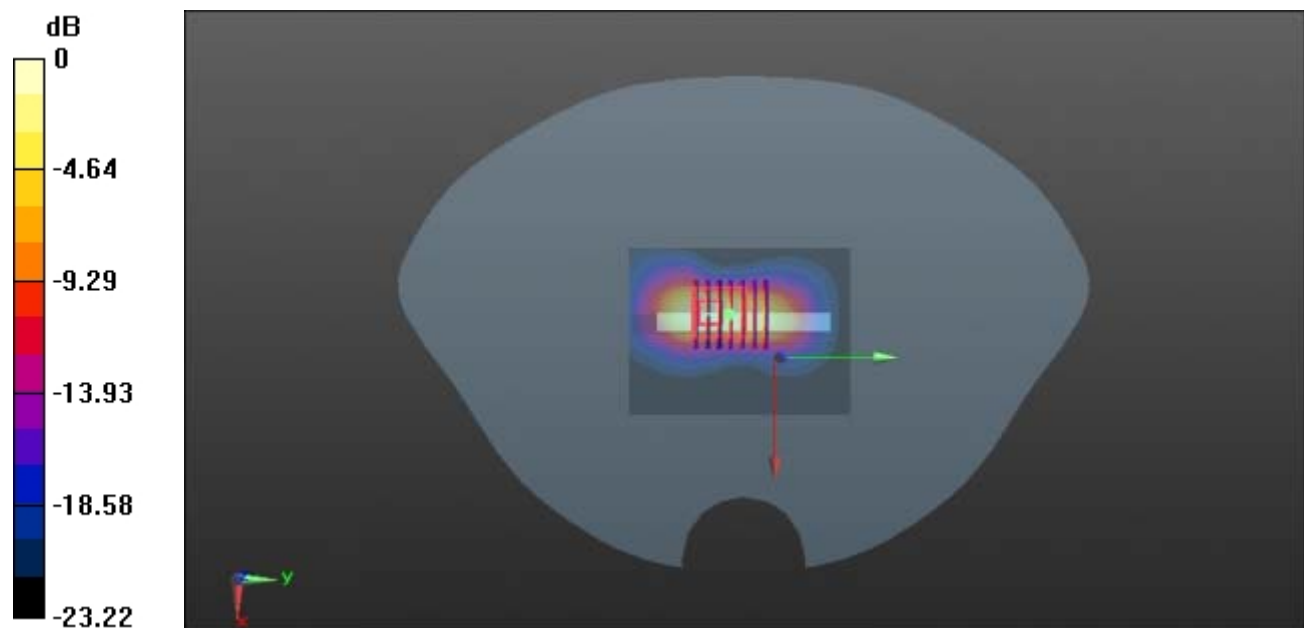
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.11 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 15.2 W/kg

SAR(1 g) = 4.9 W/kg; SAR(10 g) = 1.81 W/kg

Maximum value of SAR (measured) = 6.06 W/kg



0 dB = 6.06 W/kg

Meas.94 Body Plane with Top Edge 0mm on PCC40620+SCC41292 Channel in LTE Band41 mode with Antenna 3

Date: 2023.04.05

Communication System Band: BAND41; Frequency: 2593 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.933$ S/m; $\epsilon_r = 39.521$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°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: 2022.11.18
- 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)

Ch40620/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 8.63 W/kg

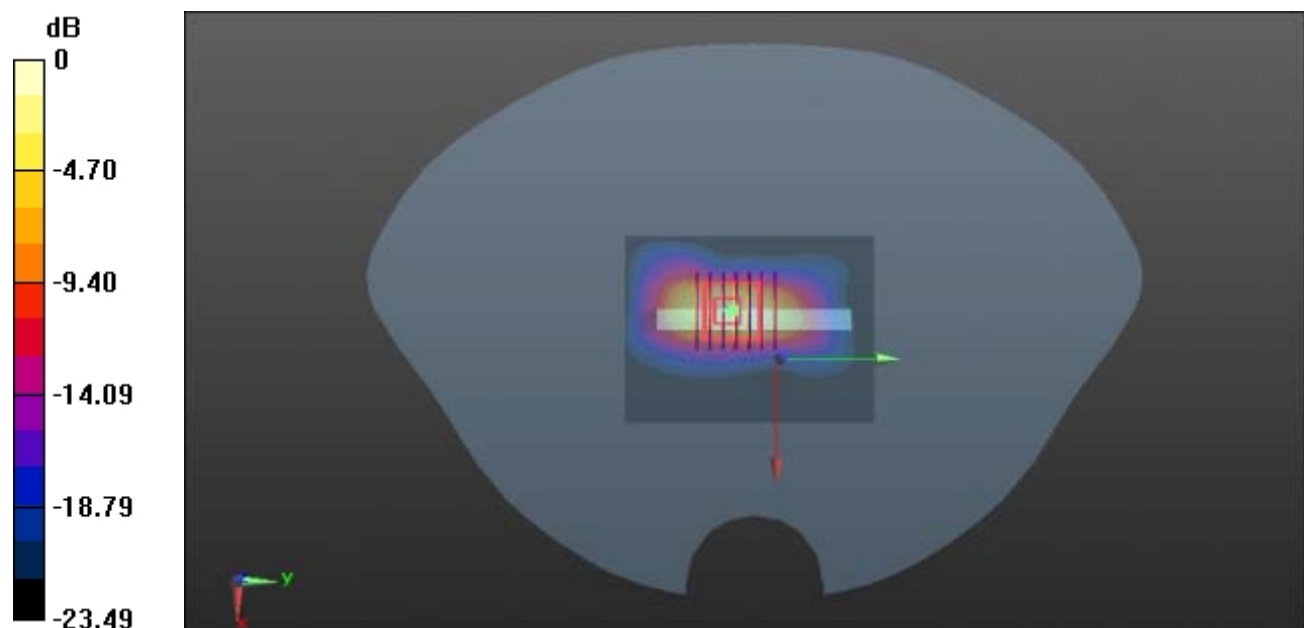
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.04 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 16.9 W/kg

SAR(1 g) = 6.17 W/kg; SAR(10 g) = 2.31 W/kg

Maximum value of SAR (measured) = 7.68 W/kg



0 dB = 7.68 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2330970-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2330970-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2330970-AC.pdf”.

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