

SAR TEST REPORT

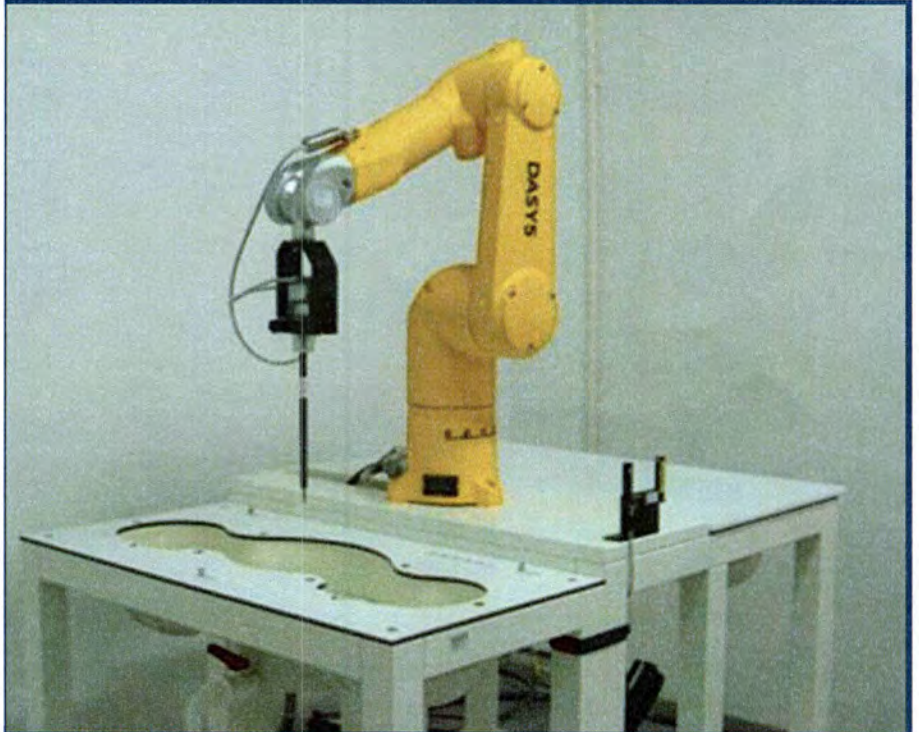
ISSUED BY
Shenzhen BALUN Technology Co., Ltd.



FOR
Mobile Phone

ISSUED TO
Guangdong OPPO Mobile Telecommunications Corp., Ltd.

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



Tested by: Xu Rui
Date: Jun. 28, 2021

Approved by: Liao Jianming
(Technical Director)

Date: Jun. 28, 2021

Report No.: BL-SZ2150760-701

EUT Name: Mobile Phone

Model Name: CPH2251

Brand Name: OPPO

FCC ID: R9C-CPH2251

Test Standard: 47 CFR Part 2.1093

ANSI C95.1-1992, IEEE Std. 1528-2013

Maximum SAR: Head (1 g): 1.19 W/kg

Body (1 g): 0.56 W/kg

Hotspot (1 g): 1.19 W/kg

Test Conclusion: Pass

Test Date: May 26, 2021 ~ Jun. 25, 2021

Date of Issue: Jun. 28, 2021

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Revision History

<u>Version</u>	<u>Issue Date</u>	<u>Revisions Content</u>
<u>Rev. 01</u>	<u>Jun. 25, 2021</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Jun. 28, 2021</u>	<u>Update the Highest SAR in Section 3.3.1;</u> <u>Update the Power Reduction List in Section 8.9;</u> <u>Update the TEST RESULT in Section</u> <u>11.24/11.25;</u> <u>Update the TEST DATA in Section ANNEX C;</u> <u>Add data from SIMULATING LIQUID</u> <u>VERIFICATION RESULT in Section ANNEX A;</u> <u>Add data from SYSTEM CHECK RESULT in</u> <u>Section ANNEX B.</u>

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1 GENERAL INFORMATION

1.1 Identification of the Testing Laboratory

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

1.2 Identification of the Responsible Testing Location

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

1.3 Test Environment Condition

Ambient Temperature	21°C to 23°C
Ambient Relative Humidity	35% to 50%
Ambient Pressure	100 KPa to 102 KPa

1.4 Announce

- (1) The test report reference to the report template version v2.2.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.
- (6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (7) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2 PRODUCT INFORMATION

2.1 Applicant Information

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

2.2 Manufacturer Information

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

2.3 Factory Information

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

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	CPH2251
Series Model Name	N/A
Description of Model Name Differentiation	N/A
Hardware Version	11
Software Version	ColorOS V11.3
Dimensions (Approx.)	156.8x72.1x7.59mm
Weight (Approx.)	182g(with battery)

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	OPPO
	Model No.	N/A
	Serial No.	N/A
	Capacitance	Rated: 2100mAh/16.25Wh Typical: 2150mAh/16.64Wh
	Rated Voltage	7.74V
	Limited Voltage	8.9V

2.6 Technical Information

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

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

Operating Mode	GSM, WCDMA, LTE, NR, WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	NR n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	NR n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	NR n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	NR n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	NR n66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
802.11b/g	2412 ~ 2462 MHz		
802.11n(HT20/HT40)	2412 ~ 2462 MHz		
802.11ac(VHT20/VHT40)	2412 ~ 2462 MHz		

	802.11 ax(HE20/HE40)	2412 ~ 2462 MHz
	802.11a	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	802.11n(HT20/HT40)	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	802.11 ac(VHT20/VHT40/VHT80)	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	802.11 ax(HE20/HE40/HE80)	5150 ~ 5250 MHz
5250 ~ 5350 MHz		
5470 ~ 5725 MHz		
5725 ~ 5850 MHz		
Bluetooth	2402 ~ 2480 MHz	
Antenna Type	WWAN: Fixed Internal Antenna WLAN: Fixed Internal Antenna Bluetooth: Fixed Internal Antenna	
DTM	Not Support	
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
Note: 1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for held-to-ear exposure conditions. 2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for near to body and limb exposure conditions. 3. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications. 4. This device 2.4GHz WLAN/5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WiFi Direct (GC/GO), and 5.3GHz WLAN/5.5GHz WLAN supports WiFi Direct (GC only). 5. The reduction power details please refer section 8.9.		

3 SUMMARY OF TEST RESULT

3.1 Test Standards

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

3.2 Device Category and SAR Limit

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

Limit for General Population/Uncontrolled exposure should be applied for this device, it is 1.6 W/kg as averaged over any 1 gram of tissue and 4.0 W/kg as averaged over any 10 gram of tissue.

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR (1 g Value)

Band	Maximum Scaled SAR (W/kg)			Maximum Report SAR (W/kg)		
	Head	Body-worn Accessory	Hotspot	Head	Body-worn Accessory	Hotspot
GSM 850	0.95	0.44	0.86	1.19	0.56	1.19
GSM 1900	1.05	0.27	0.66			
WCDMA Band 2	1.08	0.35	1.17			
WCDMA Band 4	0.55	0.27	0.88			
WCDMA Band 5	1.05	0.40	0.87			
LTE Band 2	1.15	0.34	0.82			
LTE Band 4	0.58	0.45	1.03			
LTE Band 7	1.05	0.56	1.19			
LTE Band 12	0.70	0.29	0.60			
LTE Band 26	0.97	0.36	0.90			
LTE Band 66	0.46	0.55	1.00			
LTE Band 38	0.91	0.36	0.73			
LTE Band 41	1.09	0.35	0.74			
NR n5	0.60	0.35	0.72			
NR n7	0.77	0.30	0.71			
NR n38	0.90	0.34	0.82			
NR n41	1.18	0.25	0.85			
NR n66	0.27	0.23	0.66			
LTE (ENDC) Band 5	0.42	0.18	0.27			
LTE (ENDC) Band 7	0.57	0.26	0.43			
2.4G WLAN	1.19	0.17	0.69			
5.2G WLAN	/	/	0.80			
5.3G WLAN	1.03	0.14	/			
5.6G WLAN	0.78	0.12	/			
5.8G WLAN	0.91	0.16	0.77			
Bluetooth	0.92	0.10	0.30			
Limit (W/kg)	1.6			1.6		
Verdict	PASS					

Note: This device supports both LTE Band 5/17 and Band 26/12. Since the supported frequency span for LTE Band 5 falls completely within the supports frequency span for LTE Band 26, the supported frequency span for LTE Band 17 falls completely within the supports frequency span for LTE Band 12, both LTE bands have the same target power, and both LTE bands share the same transmission path; therefore, SAR was only assessed for LTE Band 26/12.

3.3.2 Highest Specific SAR (10 g Value)

Band	Maximum Scaled SAR (W/kg)	Maximum Report SAR (W/kg)
	Specific 10g	
WCDMA Band 2	0.83	2.46
LTE Band 7	2.46	
5.3G WLAN	2.23	
5.6G WLAN	1.99	
Limit (W/kg)	4.0	4.0
Verdict	Pass	

3.3.3 Highest Simultaneous SAR

Position	Simultaneous Configuration	Simultaneous SAR (W/kg)	Limit (W/kg)	Verdict
Head (1g)	5G NR+MAX.5G WIFI(Ant.2&8)+BT	1.57	1.6	Pass
Body-worn Accessory (1g)	WWAN+2.4G WIFI(Ant.7)+MAX.5G WIFI(Ant.2)	0.90	1.6	Pass
Hotspot (1g)	5G NR+MAX.5G WIFI(Ant.2&8)+BT	1.40	1.6	Pass
Specific SAR (10 g)	WWANMAX.5G WIFI(Ant.2)	2.55	4.0	Pass

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.189 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 2.463 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

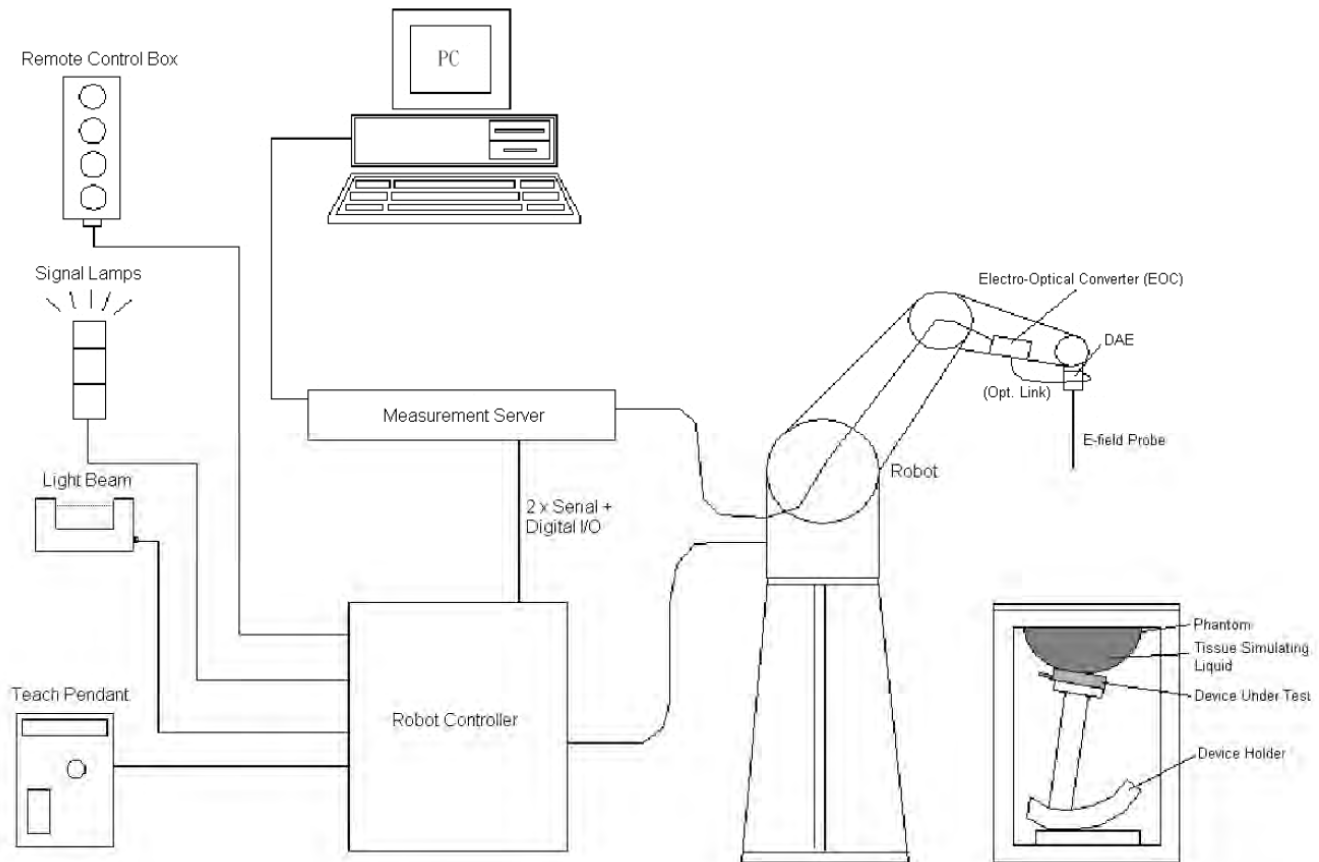
$$\mathbf{SAR} = \frac{\sigma E^2}{\rho}$$

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:

Photo for DASY5



- 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)

Photo for DASY4



- 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 with following specifications is used.

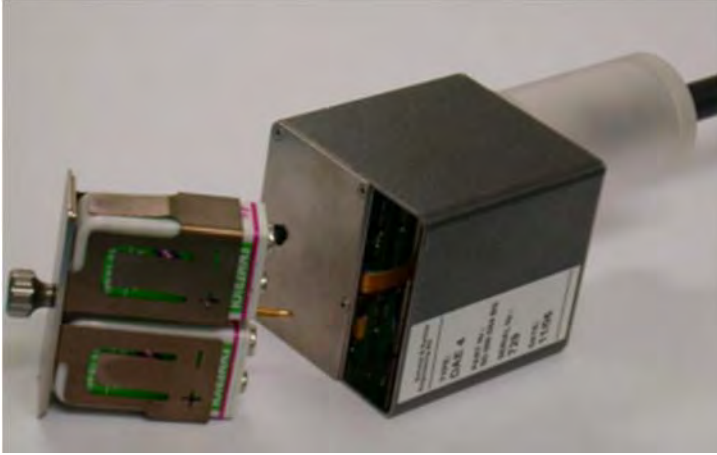
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycoether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz;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

E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-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 Ohm
- The Inputs: Symmetrical and Floating
- Common Mode Rejection: Above 80dB

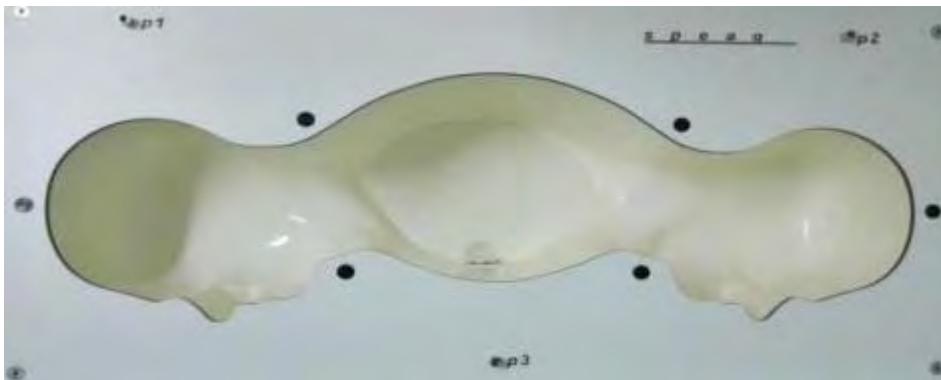
4.2.5 Phantoms

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



- Left hand
- Right hand
- Flat phantom

Photo of Phantom



Serial Number	Material	Length	Height
SN 1857 SAM1	Vinylester, glass fiber reinforced	1000	500
SN 1859 SAM2	Vinylester, glass fiber reinforced	1000	500
SN 1392 SAM3	Vinylester, glass fiber reinforced	1000	500
SN 1402 SAM4	Vinylester, glass fiber reinforced	1000	500

4.2.6 Device Holder

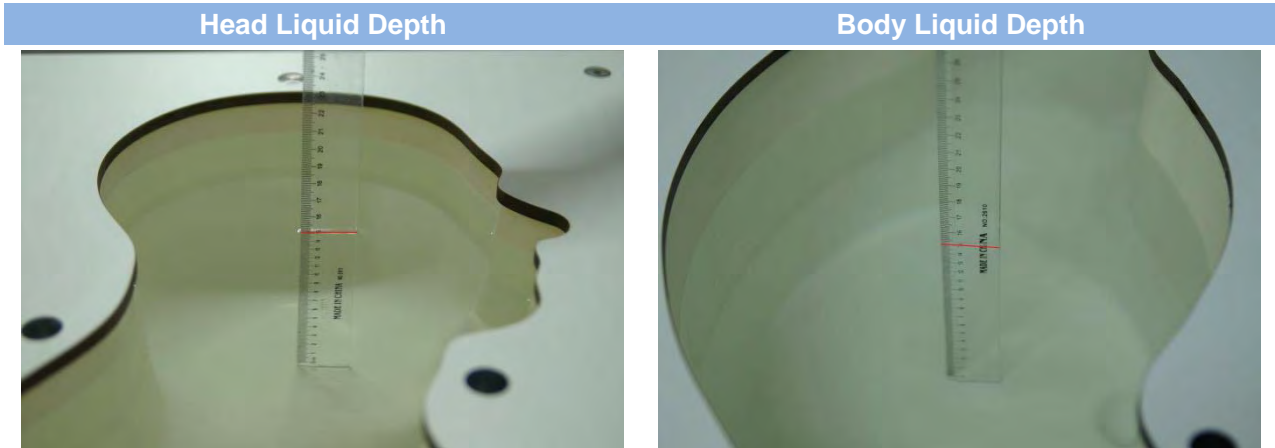
The DASY device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for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

Head (Reference IEEE1528)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ϵ
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
900	40.3	57.9	0.2	1.4	0.2	0	0.97	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.4	40.0
2450	55.0	0	0	0.1	0	44.9	1.80	39.2
2600	54.9	0	0	0.1	0	45.0	1.96	39.0
Frequency (MHz)	Water (%)	Hexyl Carbitol (%)			Triton X-100 (%)		Conductivity σ (S/m)	Permittivity ϵ
5200	62.52	17.24			17.24		4.66	36.0
5500	62.52	17.24			17.24		4.96	35.6
5800	62.52	17.24			17.24		5.27	35.3
Body (From instrument manufacturer)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ϵ
750	51.7	47.2	0	0.9	0.1	0	0.96	55.5
835	50.8	48.2	0	0.9	0.1	0	0.97	55.2
900	50.8	48.2	0	0.9	0.1	0	1.05	55.0
1800, 1900, 2000	70.2	0	0	0.4	0	29.4	1.52	53.3
2450	68.6	0	0	0.1	0	31.3	1.95	52.7
2600	68.2	0	0	0.1	0	31.7	2.16	52.5
Frequency(MHz)	Water	DGBE (%)			Salt (%)		Conductivity σ (S/m)	Permittivity ϵ
5200	78.60	21.40			/		5.54	47.86

5500	78.60	21.40	/	5.44	
5800	78.50	21.40	0.1	6.0	48.20

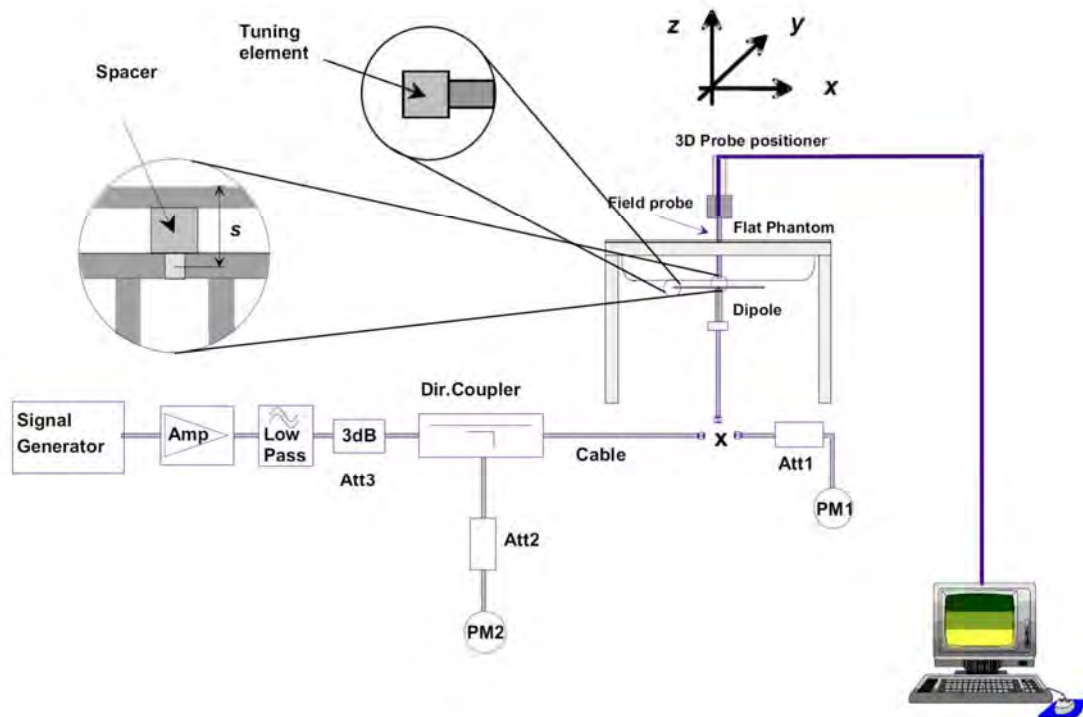
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

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

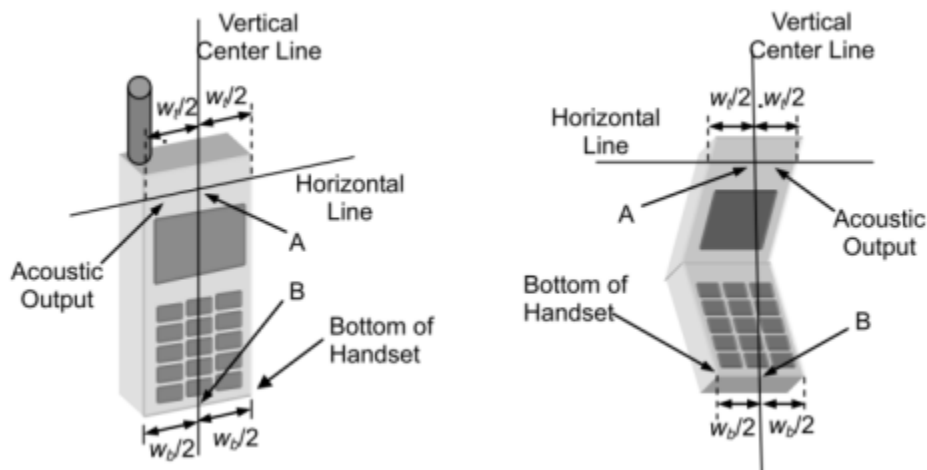
6.1 Head Exposure Conditions

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

6.1.1 Two Imaginary Lines on the Handset

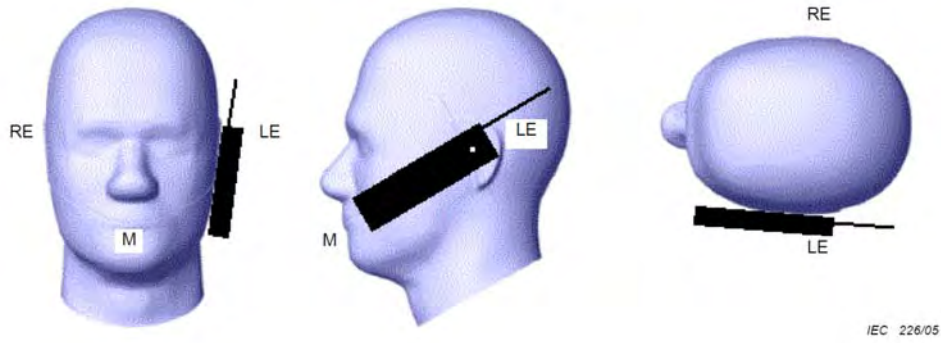
- The vertical center line passes through two points on the front side of the handset – the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.
- The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.

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



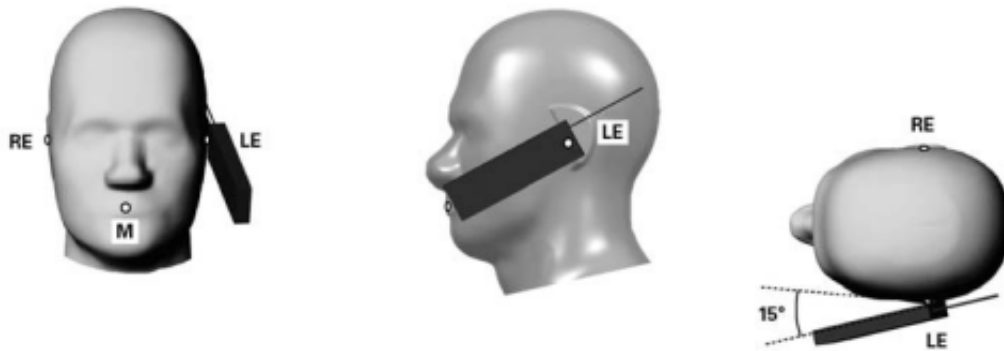
6.1.2 Cheek Position

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



6.1.3 Tilted Position

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

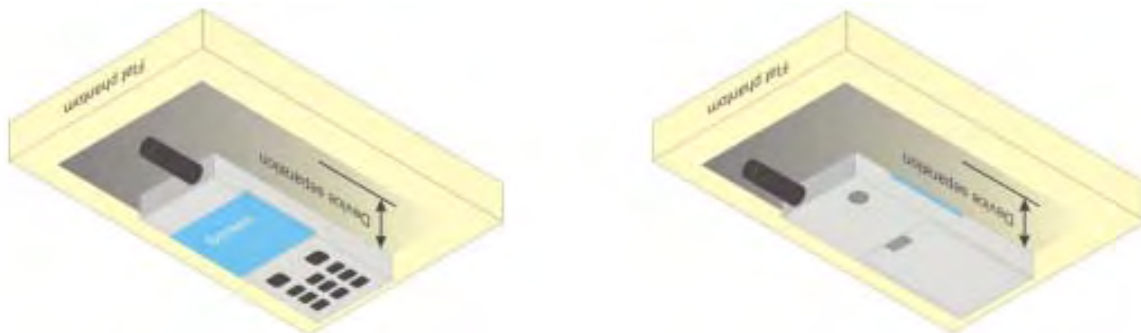


6.2 Body-worn Position Conditions

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

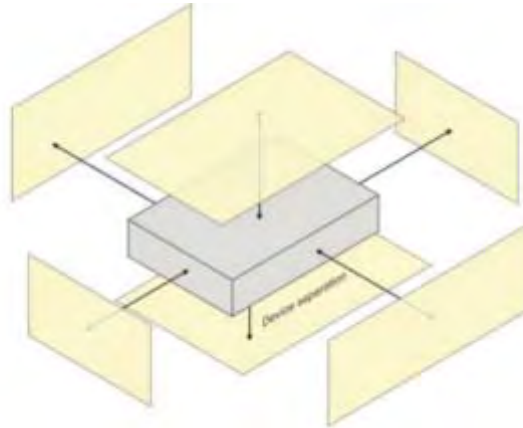
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



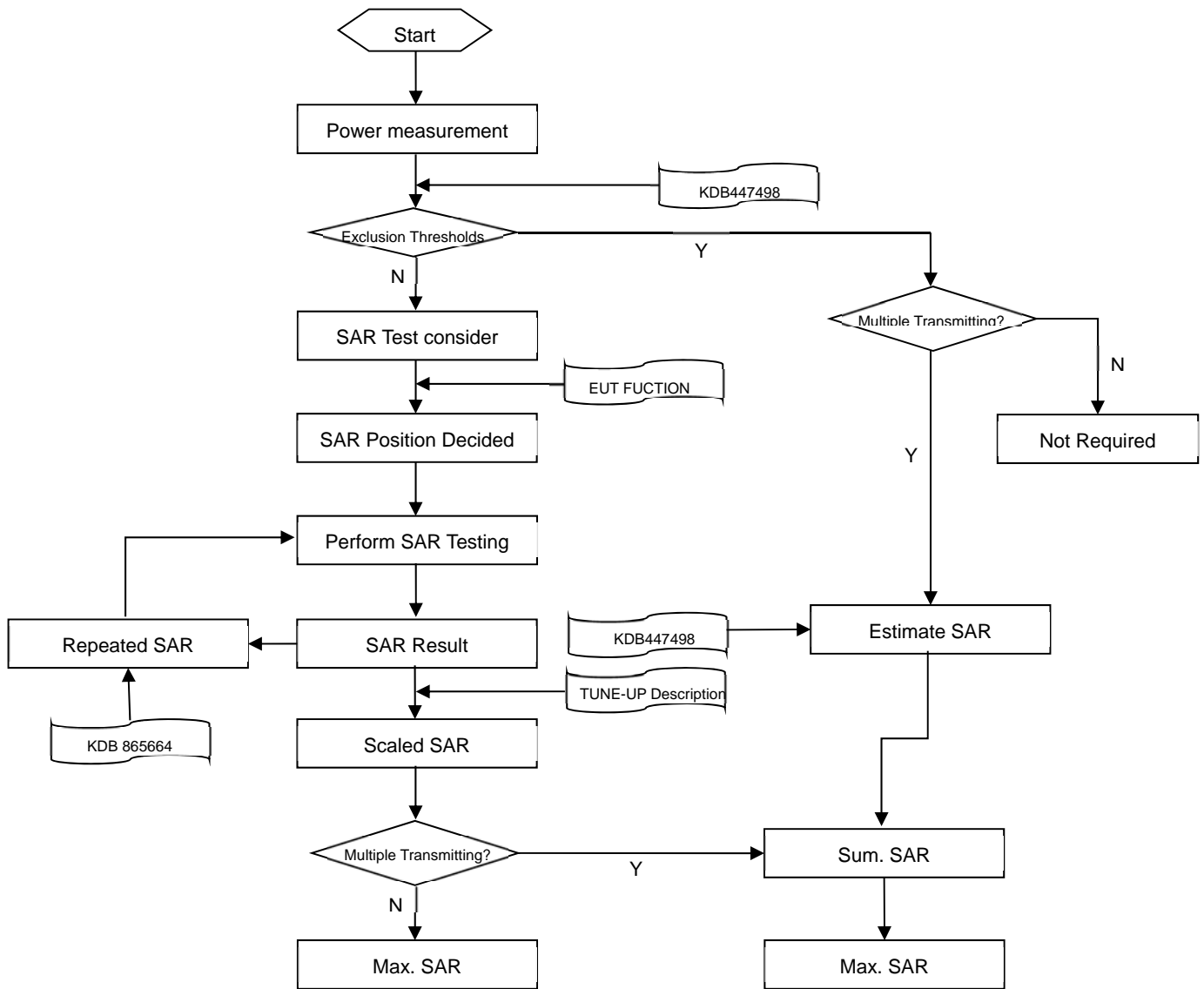
6.4 Product Specific 10g Exposure Consideration

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

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

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

		≤3GHz	>3GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface		5±1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location		30°±1°	20°±1°
Maximum area scan spatial resolution: Δx Area , Δy Area		≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3–4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
		When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom		≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3–4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)	≤ 5 mm	3–4 GHz: ≤ 4 mm
			4–5 GHz: ≤ 3 mm
	graded grid	Δz Zoom (1): between 1 st two points closest to phantom surface Δz Zoom (n>1): between subsequent points	3–4 GHz: ≤ 3 mm
			4–5 GHz: ≤ 2.5 mm
		≤ 4 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.

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer the document "Conducted RF Output Power List.pdf".

8.2 WCDMA

Please refer the document "Conducted RF Output Power List.pdf".

8.3 LTE

Please refer the document "Conducted RF Output Power List.pdf".

8.4 Intra-Band Uplink CA

Please refer the document "Conducted RF Output Power List.pdf".

8.5 Power Confirmation for SAR test Exclusion for LTE Downlink CA

Please refer the document "Conducted RF Output Power List.pdf".

8.6 5G NR

Please refer the document "Conducted RF Output Power List.pdf".

8.7 WIFI

8.7.1 2.4G WIFI (ANT2)

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	16.14	17.00	No
		2	2417	18.05	19.00	Yes
		6	2437	18.61	19.00	Yes
		10	2457	18.14	19.00	Yes
		11	2462	11.92	13.50	No
	802.11g	1	2412	16.01	17.00	No
		2	2417	18.11	19.00	No
		6	2437	17.85	19.00	No
		10	2457	18.02	19.00	No
		11	2462	12.70	13.50	No
	802.11n(HT20)	1	2412	16.20	17.00	No
		2	2417	17.80	19.00	No
		6	2437	18.10	19.00	No
		10	2457	17.93	19.00	No
		11	2462	12.37	13.50	No
	802.11n(HT40)	3	2422	15.13	16.00	No
		4	2427	17.96	19.00	No
		6	2437	17.77	19.00	No
		8	2447	18.16	19.00	No
		9	2452	11.64	12.50	No
	802.11ac(VHT20)	1	2412	15.88	17.00	No
		2	2417	18.00	19.00	No
		6	2437	18.06	19.00	No
		10	2457	17.87	19.00	No
		11	2462	12.43	13.50	No
	802.11ac(VHT40)	3	2422	14.87	16.00	No
		4	2427	18.04	19.00	No
		6	2437	18.19	19.00	No
		8	2447	18.24	19.00	No
		9	2452	11.49	12.50	No
	802.11ax(HE20)	1	2412	15.76	17.00	No
		2	2417	18.21	19.00	No
6		2437	18.15	19.00	No	
10		2457	18.02	19.00	No	
11		2462	12.51	13.50	No	
802.11ax(HE40)	3	2422	14.78	16.00	No	
	4	2427	17.96	19.00	No	

		6	2437	17.80	19.00	No
		8	2447	18.00	19.00	No
		9	2452	11.70	12.50	No

8.7.2 2.4G WIFI (ANT7)

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	16.32	17.00	No
		2	2417	17.80	19.00	Yes
		6	2437	17.62	19.00	Yes
		10	2457	17.99	19.00	Yes
		11	2462	12.98	13.50	No
	802.11g	1	2412	16.16	17.00	No
		2	2417	17.98	19.00	No
		6	2437	17.76	19.00	No
		10	2457	17.92	19.00	No
		11	2462	12.50	13.50	No
	802.11n(HT20)	1	2412	15.99	17.00	No
		2	2417	17.83	19.00	No
		6	2437	17.99	19.00	No
		10	2457	17.72	19.00	No
		11	2462	12.54	13.50	No
	802.11n(HT40)	3	2422	15.35	16.00	No
		4	2427	17.82	19.00	No
		6	2437	17.87	19.00	No
		8	2447	18.19	19.00	No
		9	2452	11.41	12.50	No
	802.11ac(VHT20)	1	2412	16.17	17.00	No
		2	2417	17.89	19.00	No
		6	2437	18.03	19.00	No
		10	2457	17.86	19.00	No
		11	2462	12.58	13.50	No
	802.11ac(VHT40)	3	2422	15.24	16.00	No
		4	2427	18.00	19.00	No
		6	2437	17.74	19.00	No
		8	2447	17.75	19.00	No
		9	2452	11.22	12.50	No
	802.11ax(HE20)	1	2412	15.92	17.00	No
		2	2417	17.90	19.00	No
		6	2437	17.97	19.00	No
		10	2457	18.05	19.00	No

	802.11ax(HE40)	11	2462	12.27	13.50	No
		3	2422	14.97	16.00	No
		4	2427	17.81	19.00	No
		6	2437	17.73	19.00	No
		8	2447	17.83	19.00	No
		9	2452	11.29	12.50	No

8.7.3 2.4G WIFI (ANT2&7)

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	19.17	20.00	No
		2	2417	21.01	22.00	Yes
		6	2437	20.86	22.00	Yes
		10	2457	20.96	22.00	Yes
		11	2462	15.45	16.50	No
	802.11g	1	2412	19.00	20.00	No
		2	2417	20.88	22.00	No
		6	2437	20.87	22.00	No
		10	2457	21.02	22.00	No
		11	2462	15.57	16.50	No
	802.11n(HT20)	1	2412	19.17	20.00	No
		2	2417	21.11	22.00	No
		6	2437	20.83	22.00	No
		10	2457	21.03	22.00	No
		11	2462	15.69	16.50	No
	802.11n(HT40)	3	2422	18.02	19.00	No
		4	2427	20.96	22.00	No
		6	2437	21.03	22.00	No
		8	2447	21.01	22.00	No
		9	2452	14.62	15.50	No
	802.11ac(VHT20)	1	2412	19.05	20.00	No
		2	2417	21.14	22.00	No
		6	2437	20.98	22.00	No
		10	2457	21.05	22.00	No
		11	2462	15.39	16.50	No
	802.11ac(VHT40)	3	2422	18.16	19.00	No
		4	2427	21.13	22.00	No
		6	2437	21.18	22.00	No
		8	2447	20.97	22.00	No
		9	2452	14.52	15.50	No
	802.11ax(HE20)	1	2412	18.80	20.00	No

		2	2417	21.07	22.00	No
		6	2437	21.08	22.00	No
		10	2457	20.87	22.00	No
		11	2462	15.55	16.50	No
	802.11ax(HE40)	3	2422	17.88	19.00	No
		4	2427	21.14	22.00	No
		6	2437	21.09	22.00	No
		8	2447	20.88	22.00	No
		9	2452	14.50	15.50	No

8.7.4 5G WIFI (ANT2)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	16.08	17.00	No
		40	5200	18.54	19.50	No
		44	5220	18.25	19.50	No
		48	5240	18.33	19.50	No
	802.11n(HT20)	36	5180	16.05	17.00	No
		40	5200	18.45	19.50	No
		44	5220	18.50	19.50	No
		48	5240	18.53	19.50	No
	802.11n(HT40)	38	5190	11.84	13.50	No
		46	5230	18.11	19.50	Yes
	802.11ac(VHT20)	36	5180	15.82	17.00	No
		40	5200	18.34	19.50	No
		44	5220	18.52	19.50	No
		48	5240	18.74	19.50	No
	802.11ac(VHT40)	38	5190	12.37	13.50	No
		46	5230	18.49	19.50	No
	802.11ac(VHT80)	42	5210	11.76	13.00	No
	802.11ax(HE20)	36	5180	15.93	17.00	No
		40	5200	18.47	19.50	No
		44	5220	18.47	19.50	No
48		5240	18.45	19.50	No	
802.11ax(HE40)	38	5190	12.32	13.50	No	
	46	5230	18.35	19.50	No	
802.11ax(HE80)	42	5210	12.11	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	18.51	19.50	No
		56	5280	18.53	19.50	No
		60	5300	18.64	19.50	No
		64	5320	14.12	15.00	No
	802.11n(HT20)	52	5260	18.33	19.50	No
		56	5280	18.58	19.50	No
		60	5300	18.31	19.50	No
		64	5320	13.90	15.00	No
	802.11n(HT40)	54	5270	18.01	19.50	Yes
		62	5310	12.30	14.00	Yes
	802.11ac(VHT20)	52	5260	18.55	19.50	No
		56	5280	18.48	19.50	No
		60	5300	18.50	19.50	No
		64	5320	14.03	15.00	No

	802.11ac(VHT40)	54	5270	18.52	19.50	No
		62	5310	13.08	14.00	No
	802.11ac(VHT80)	58	5290	11.53	12.50	No
	802.11ax(HE20)	52	5260	18.44	19.50	No
		56	5280	18.66	19.50	No
		60	5300	18.65	19.50	No
	802.11ax(HE40)	64	5320	13.95	15.00	No
		54	5270	18.28	19.50	No
		62	5310	13.08	14.00	No
	802.11ax(HE80)	58	5290	11.36	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	16.21	17.00	No
		104	5520	18.40	19.50	No
		108	5540	18.50	19.50	No
		112	5560	18.31	19.50	No
		116	5580	18.67	19.50	No
		120	5600	18.32	19.50	No
		124	5620	18.27	19.50	No
		128	5640	18.40	19.50	No
		132	5660	18.67	19.50	No
		136	5680	18.34	19.50	No
	140	5700	16.66	17.50	No	
	802.11n(HT20)	100	5500	16.23	17.00	No
		104	5520	18.28	19.50	No
		108	5540	18.38	19.50	No
		112	5560	18.34	19.50	No
		116	5580	18.25	19.50	No
		120	5600	18.68	19.50	No
		124	5620	18.45	19.50	No
		128	5640	18.55	19.50	No
		132	5660	18.62	19.50	No
		136	5680	18.32	19.50	No
	140	5700	16.49	17.50	No	
	802.11n(HT40)	102	5510	6.03	7.00	No
		110	5550	17.98	19.50	Yes
		118	5590	18.06	19.50	Yes
		126	5630	18.00	19.50	Yes
		134	5670	11.06	12.50	No
	802.11ac(VHT20)	100	5500	16.23	17.00	No
		104	5520	18.69	19.50	No
		108	5540	18.32	19.50	No
		112	5560	18.48	19.50	No

		116	5580	18.46	19.50	No	
		120	5600	18.26	19.50	No	
		124	5620	18.49	19.50	No	
		128	5640	18.70	19.50	No	
		132	5660	18.46	19.50	No	
		136	5680	18.26	19.50	No	
		140	5700	16.72	17.50	No	
	802.11ac(VHT40)	102	5510	6.01	7.00	No	
		110	5550	18.59	19.50	No	
		118	5590	18.52	19.50	No	
		126	5630	18.26	19.50	No	
		134	5670	11.68	12.50	No	
	802.11ac(VHT80)	106	5530	12.72	13.50	No	
		122	5610	17.68	18.50	No	
		138	5690	17.68	18.50	No	
	802.11ax(HE20)	100	5500	15.87	17.00	No	
		104	5520	18.58	19.50	No	
		108	5540	18.39	19.50	No	
		112	5560	18.46	19.50	No	
		116	5580	18.73	19.50	No	
		120	5600	18.68	19.50	No	
		124	5620	18.33	19.50	No	
		128	5640	18.31	19.50	No	
		132	5660	18.48	19.50	No	
		136	5680	18.72	19.50	No	
		140	5700	16.32	17.50	No	
	802.11ax(HE40)	102	5510	6.02	7.00	No	
		110	5550	18.52	19.50	No	
		118	5590	18.52	19.50	No	
		126	5630	18.27	19.50	No	
		134	5670	11.63	12.50	No	
		134	5670	18.72	19.50	No	
	802.11ax(HE80)	106	5530	12.35	13.50	No	
		122	5610	17.61	18.50	No	
		138	5690	17.61	18.50	No	
	5.8 (5.725~5.850)	802.11a	149	5745	18.43	19.50	No
			153	5765	18.63	19.50	No
			157	5785	18.61	19.50	No
			161	5805	18.44	19.50	No
			165	5825	18.66	19.50	No
		802.11n(HT20)	149	5745	18.55	19.50	No

		153	5765	18.48	19.50	No
		157	5785	18.32	19.50	No
		161	5805	18.62	19.50	No
		165	5825	18.74	19.50	No
	802.11n(HT40)	151	5755	16.01	18.00	Yes
		159	5795	18.03	19.50	Yes
	802.11ac(VHT20)	149	5745	18.48	19.50	No
		153	5765	18.42	19.50	No
		157	5785	18.31	19.50	No
		161	5805	18.32	19.50	No
		165	5825	18.62	19.50	No
	802.11ac(VHT40)	151	5755	18.58	19.50	No
		159	5795	18.60	19.50	No
	802.11ac(VHT80)	155	5775	17.60	18.50	No
	802.11ax(HE20)	149	5745	18.66	19.50	No
		153	5765	18.53	19.50	No
		157	5785	18.67	19.50	No
		161	5805	18.25	19.50	No
		165	5825	18.54	19.50	No
	802.11ax(HE40)	151	5755	18.35	19.50	No
		159	5795	18.71	19.50	No
	802.11ax(HE80)	155	5775	17.59	18.50	No

8.7.5 5G WIFI (ANT8)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	16.08	17.00	No
		40	5200	18.54	19.50	No
		44	5220	18.25	19.50	No
		48	5240	18.33	19.50	No
	802.11n(HT20)	36	5180	16.05	17.00	No
		40	5200	18.45	19.50	No
		44	5220	18.50	19.50	No
		48	5240	18.53	19.50	No
	802.11n(HT40)	38	5190	12.23	13.50	No
		46	5230	18.66	19.50	Yes
	802.11ac(VHT20)	36	5180	15.82	17.00	No
		40	5200	18.34	19.50	No
		44	5220	18.52	19.50	No
		48	5240	18.74	19.50	No
	802.11ac(VHT40)	38	5190	12.37	13.50	No

		46	5230	18.49	19.50	No	
	802.11ac(VHT80)	42	5210	11.76	13.00	No	
	802.11ax(HE20)	36	5180	15.93	17.00	No	
		40	5200	18.47	19.50	No	
		44	5220	18.47	19.50	No	
		48	5240	18.45	19.50	No	
	802.11ax(HE40)	38	5190	12.32	13.50	No	
		46	5230	18.35	19.50	No	
802.11ax(HE80)	42	5210	12.11	13.00	No		
5.3 (5.25~5.35)	802.11a	52	5260	18.51	19.50	No	
		56	5280	18.53	19.50	No	
		60	5300	18.64	19.50	No	
		64	5320	14.12	15.00	No	
	802.11n(HT20)	52	5260	18.33	19.50	No	
		56	5280	18.58	19.50	No	
		60	5300	18.31	19.50	No	
		64	5320	13.90	15.00	No	
	802.11n(HT40)	54	5270	18.36	19.50	Yes	
		62	5310	12.47	14.00	Yes	
	802.11ac(VHT20)	52	5260	18.55	19.50	No	
		56	5280	18.48	19.50	No	
		60	5300	18.50	19.50	No	
		64	5320	14.03	15.00	No	
	802.11ac(VHT40)	54	5270	18.52	19.50	No	
		62	5310	13.08	14.00	No	
	802.11ac(VHT80)	58	5290	11.53	12.50	No	
	802.11ax(HE20)	52	5260	18.44	19.50	No	
		56	5280	18.66	19.50	No	
		60	5300	18.65	19.50	No	
		64	5320	13.95	15.00	No	
	802.11ax(HE40)	54	5270	18.28	19.50	No	
		62	5310	13.08	14.00	No	
	802.11ax(HE80)	58	5290	11.36	12.50	No	
	5.6 (5.47~5.725)	802.11a	100	5500	16.21	17.00	No
			104	5520	18.40	19.50	No
			108	5540	18.50	19.50	No
			112	5560	18.31	19.50	No
116			5580	18.67	19.50	No	
120			5600	18.32	19.50	No	
124			5620	18.27	19.50	No	
128			5640	18.40	19.50	No	

		132	5660	18.67	19.50	No
		136	5680	18.34	19.50	No
		140	5700	16.66	17.50	No
	802.11n(HT20)	100	5500	16.23	17.00	No
		104	5520	18.28	19.50	No
		108	5540	18.38	19.50	No
		112	5560	18.34	19.50	No
		116	5580	18.25	19.50	No
		120	5600	18.68	19.50	No
		124	5620	18.45	19.50	No
		128	5640	18.55	19.50	No
		132	5660	18.62	19.50	No
		136	5680	18.32	19.50	No
		140	5700	16.49	17.50	No
	802.11n(HT40)	102	5510	14.64	16.50	No
		110	5550	17.96	19.50	Yes
		118	5590	17.95	19.50	Yes
		126	5630	17.88	19.50	Yes
		134	5670	11.01	12.50	No
	802.11ac(VHT20)	100	5500	16.23	17.00	No
		104	5520	18.69	19.50	No
		108	5540	18.32	19.50	No
		112	5560	18.48	19.50	No
		116	5580	18.46	19.50	No
		120	5600	18.26	19.50	No
		124	5620	18.49	19.50	No
		128	5640	18.70	19.50	No
		132	5660	18.46	19.50	No
		136	5680	18.26	19.50	No
	802.11ac(VHT40)	102	5510	5.80	7.00	No
		110	5550	18.59	19.50	No
		118	5590	18.52	19.50	No
		126	5630	18.26	19.50	No
		134	5670	11.68	12.50	No
	802.11ac(VHT80)	106	5530	12.72	13.50	No
		122	5610	17.68	18.50	No
		138	5690	17.68	18.50	No
	802.11ax(HE20)	100	5500	15.87	17.00	No
		104	5520	18.58	19.50	No
		108	5540	18.39	19.50	No

		112	5560	18.46	19.50	No
		116	5580	18.73	19.50	No
		120	5600	18.68	19.50	No
		124	5620	18.33	19.50	No
		128	5640	18.31	19.50	No
		132	5660	18.48	19.50	No
		136	5680	18.72	19.50	No
		140	5700	16.32	17.50	No
	802.11ax(HE40)	102	5510	5.78	7.00	No
		110	5550	18.52	19.50	No
		118	5590	18.52	19.50	No
		126	5630	18.27	19.50	No
		134	5670	11.63	12.50	No
		134	5670	18.72	19.50	No
802.11ax(HE80)	106	5530	12.35	13.50	No	
	122	5610	17.61	18.50	No	
	138	5690	17.61	18.50	No	
5.8 (5.725~5.850)	802.11a	149	5745	18.43	19.50	No
		153	5765	18.63	19.50	No
		157	5785	18.61	19.50	No
		161	5805	18.44	19.50	No
		165	5825	18.66	19.50	No
	802.11n(HT20)	149	5745	18.55	19.50	No
		153	5765	18.48	19.50	No
		157	5785	18.32	19.50	No
		161	5805	18.62	19.50	No
		165	5825	18.74	19.50	No
	802.11n(HT40)	151	5755	16.17	18.00	Yes
		159	5795	18.25	19.50	Yes
	802.11ac(VHT20)	149	5745	18.48	19.50	No
		153	5765	18.42	19.50	No
		157	5785	18.31	19.50	No
		161	5805	18.32	19.50	No
		165	5825	18.62	19.50	No
	802.11ac(VHT40)	151	5755	18.58	19.50	No
		159	5795	18.60	19.50	No
	802.11ac(VHT80)	155	5775	17.60	18.50	No
	802.11ax(HE20)	149	5745	18.66	19.50	No
		153	5765	18.53	19.50	No
		157	5785	18.67	19.50	No
		161	5805	18.25	19.50	No

		165	5825	18.54	19.50	No
	802.11ax(HE40)	151	5755	18.35	19.50	No
		159	5795	18.71	19.50	No
	802.11ax(HE80)	155	5775	17.59	18.50	No

8.7.6 5G WIFI (ANT2&8)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	18.92	20.00	No
		40	5200	21.66	22.50	No
		44	5220	21.60	22.50	No
		48	5240	21.59	22.50	No
	802.11n(HT20)	36	5180	19.02	20.00	No
		40	5200	21.36	22.50	No
		44	5220	21.63	22.50	No
		48	5240	21.65	22.50	No
	802.11n(HT40)	38	5190	15.46	16.50	No
		46	5230	21.32	22.50	Yes
	802.11ac(VHT20)	36	5180	18.98	20.00	No
		40	5200	21.55	22.50	No
		44	5220	21.32	22.50	No
		48	5240	21.71	22.50	No
	802.11ac(VHT40)	38	5190	15.58	16.50	No
		46	5230	21.45	22.50	No
	802.11ac(VHT80)	42	5210	15.06	16.00	No
	802.11ax(HE20)	36	5180	18.84	20.00	No
		40	5200	21.59	22.50	No
		44	5220	21.41	22.50	No
48		5240	21.60	22.50	No	
802.11ax(HE40)	38	5190	15.58	16.50	No	
	46	5230	21.53	22.50	No	
802.11ax(HE80)	42	5210	15.22	16.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	21.65	22.50	No
		56	5280	21.54	22.50	No
		60	5300	21.57	22.50	No
		64	5320	17.19	18.00	No
	802.11n(HT20)	52	5260	21.46	22.50	No
		56	5280	21.50	22.50	No
		60	5300	21.62	22.50	No
		64	5320	17.06	18.00	No
	802.11n(HT40)	54	5270	21.49	22.50	Yes

		62	5310	16.03	17.00	Yes
	802.11ac(VHT20)	52	5260	21.48	22.50	No
		56	5280	21.48	22.50	No
		60	5300	21.42	22.50	No
		64	5320	17.19	18.00	No
	802.11ac(VHT40)	54	5270	21.42	22.50	No
		62	5310	15.99	17.00	No
	802.11ac(VHT80)	58	5290	14.52	15.50	No
	802.11ax(HE20)	52	5260	21.52	22.50	No
		56	5280	21.53	22.50	No
		60	5300	21.34	22.50	No
		64	5320	17.16	18.00	No
	802.11ax(HE40)	54	5270	21.57	22.50	No
		62	5310	15.89	17.00	No
802.11ax(HE80)	58	5290	14.53	15.50	No	
5.6 (5.47~5.725)	802.11a	100	5500	19.06	20.00	No
		104	5520	21.39	22.50	No
		108	5540	21.66	22.50	No
		112	5560	21.50	22.50	No
		116	5580	21.47	22.50	No
		120	5600	21.61	22.50	No
		124	5620	21.62	22.50	No
		128	5640	21.31	22.50	No
		132	5660	21.51	22.50	No
		136	5680	21.53	22.50	No
		140	5700	19.53	20.50	No
	802.11n(HT20)	100	5500	18.98	20.00	No
		104	5520	21.54	22.50	No
		108	5540	21.40	22.50	No
		112	5560	21.44	22.50	No
		116	5580	21.68	22.50	No
		120	5600	21.45	22.50	No
		124	5620	21.51	22.50	No
		128	5640	21.35	22.50	No
		132	5660	21.65	22.50	No
		136	5680	21.60	22.50	No
		140	5700	19.44	20.50	No
	802.11n(HT40)	102	5510	8.17	10.00	No
		110	5550	21.66	22.50	Yes
		118	5590	21.68	22.50	Yes
		126	5630	21.64	22.50	Yes

		134	5670	14.47	15.50	No
	802.11ac(VHT20)	100	5500	18.89	20.00	No
		104	5520	21.49	22.50	No
		108	5540	21.66	22.50	No
		112	5560	21.45	22.50	No
		116	5580	21.50	22.50	No
		120	5600	21.31	22.50	No
		124	5620	21.42	22.50	No
		128	5640	21.51	22.50	No
		132	5660	21.40	22.50	No
		136	5680	21.48	22.50	No
	140	5700	19.49	20.50	No	
	802.11ac(VHT40)	102	5510	8.94	10.00	No
		110	5550	21.48	22.50	No
		118	5590	21.36	22.50	No
		126	5630	21.49	22.50	No
		134	5670	14.48	15.50	No
	802.11ac(VHT80)	106	5530	15.52	16.50	No
		122	5610	20.47	21.50	No
		138	5690	20.54	21.50	No
	802.11ax(HE20)	100	5500	19.12	20.00	No
		104	5520	21.33	22.50	No
		108	5540	21.51	22.50	No
		112	5560	21.53	22.50	No
		116	5580	21.58	22.50	No
		120	5600	21.46	22.50	No
		124	5620	21.57	22.50	No
		128	5640	21.53	22.50	No
		132	5660	21.48	22.50	No
		136	5680	21.46	22.50	No
	140	5700	19.54	20.50	No	
	802.11ax(HE40)	102	5510	8.93	10.00	No
		110	5550	21.46	22.50	No
		118	5590	21.48	22.50	No
		126	5630	21.53	22.50	No
		134	5670	14.48	15.50	No
		134	5670	21.42	22.50	No
	802.11ax(HE80)	106	5530	15.48	16.50	No
		122	5610	20.54	21.50	No
		138	5690	20.68	21.50	No
5.8	802.11a	149	5745	21.62	22.50	No

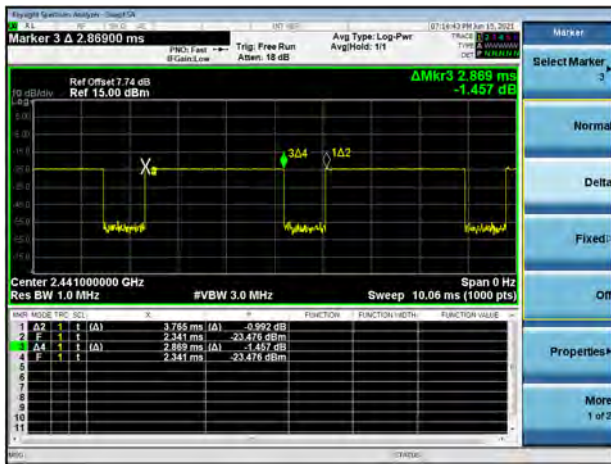
(5.725~5.850)		153	5765	21.53	22.50	No	
		157	5785	21.57	22.50	No	
		161	5805	21.42	22.50	No	
		165	5825	21.68	22.50	No	
	802.11n(HT20)		149	5745	21.66	22.50	No
			153	5765	21.64	22.50	No
			157	5785	21.54	22.50	No
			161	5805	21.42	22.50	No
			165	5825	21.66	22.50	No
	802.11n(HT40)		151	5755	20.10	21.00	Yes
			159	5795	21.46	22.50	Yes
	802.11ac(VHT20)		149	5745	21.41	22.50	No
			153	5765	21.34	22.50	No
			157	5785	21.35	22.50	No
			161	5805	21.63	22.50	No
			165	5825	21.56	22.50	No
	802.11ac(VHT40)		151	5755	21.66	22.50	No
			159	5795	21.61	22.50	No
	802.11ac(VHT80)		155	5775	20.51	21.50	No
	802.11ax(HE20)		149	5745	21.29	22.50	No
			153	5765	21.67	22.50	No
			157	5785	21.46	22.50	No
			161	5805	21.46	22.50	No
			165	5825	21.63	22.50	No
	802.11ax(HE40)		151	5755	21.56	22.50	No
			159	5795	21.49	22.50	No
	802.11ax(HE80)		155	5775	20.61	21.50	No

8.8 Bluetooth

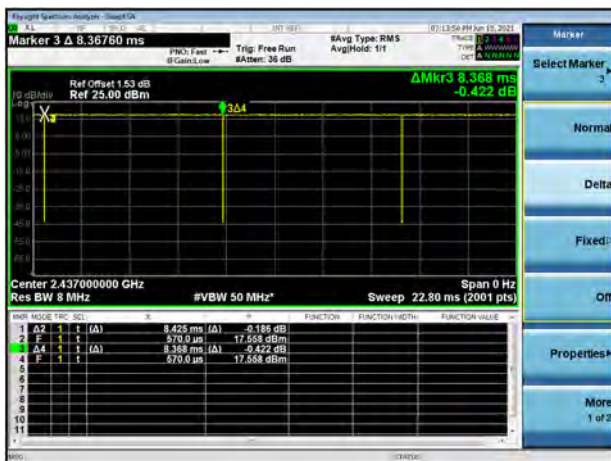
Mode	GFSK			$\pi/4$ -DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	15.19	15.64	14.79	12.47	12.94	11.84
Tune-Up Limit (dBm)	16.00			13.00		
Mode	8-DPSK			BLE		
Channel	0	39	78	0	19	39
Frequency (MHz)	2402	2441	2480	2402	2440	2480
Average Power (dBm)	12.35	12.79	11.85	10.12	10.05	9.58
Tune-Up Limit (dBm)	13.00			11.00		

Duty Cycle Test plots

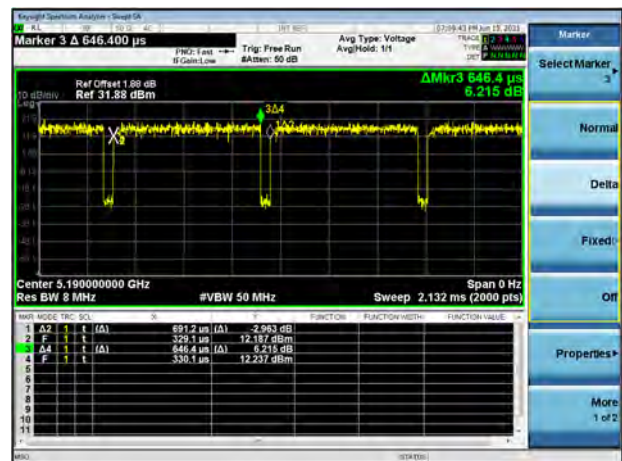
GFSK



2.4G 802.11b



5G 802.11n(HT40)



8.9 Power Reduction List

WWAN Antenna 0&3 Test Level Table

Reduced level	Receiver state	Transmitting
		conditions
Level 1	On (head scenario)	WWAN Use Only
Level 2	On (head scenario)	WWAN + WLAN 2.4G or WLAN 5G
Level 3	On (head scenario)	WWAN + WLAN 2.4G + WLAN 5G
Level 4	Off (Body scenario)	WWAN Use Only
Level 5	Off (Body scenario)	WWAN + WLAN 2.4G or WLAN 5G
Level 6	Off (Body scenario)	WWAN + WLAN 2.4G + WLAN 5G

WWAN Antenna 1&4 Test Level Table

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

Note:

WWAN Antenna 0&3 Power Table

Mode	WWAN Antenna 0&3												
	Test Mode	Head			Hotspot		Body-worn			Specific			
	Receiver state	Receiver on					Receiver off						
	Full Power	Standalone	Simultaneous transmission		Simultaneous transmission		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		
			+2.4G WLAN	+5G WLAN	+2.4G WLAN	+5G WLAN		+2.4G WLAN	+5G WLAN		+2.4G WLAN	+5G WLAN	
GSM 850	33.00	31.50	26.50	26.50	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	
GPRS850 1 Tx Slot	33.00	31.50	26.50	26.50	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	
GPRS850 2 Tx Slots	31.50	30.00	25.00	25.00	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	
GPRS850 3 Tx Slots	29.20	27.70	22.70	22.70	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	
GPRS850 4 Tx Slots	28.50	27.00	22.00	22.00	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	
EGPRS850 1 Tx Slot	28.00	26.50	21.50	21.50	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	
EGPRS850 2 Tx Slots	25.50	24.00	19.00	19.00	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	
EGPRS850 3 Tx Slots	23.20	21.70	16.70	16.70	23.20	23.20	23.20	23.20	23.20	23.20	23.20	23.20	
EGPRS850 4 Tx Slots	22.50	21.00	16.00	16.00	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	
GSM 1900	29.70	25.20	21.20	21.20	27.20	27.20	29.70	27.20	27.20	29.70	27.20	27.20	
GPRS1900 1 Tx Slot	29.70	25.20	21.20	21.20	27.20	27.20	29.70	27.20	27.20	29.70	27.20	27.20	
GPRS1900 2 Tx Slots	27.70	23.20	19.20	19.20	25.20	25.20	27.70	25.20	25.20	27.70	25.20	25.20	
GPRS1900 3 Tx Slots	25.90	21.40	17.40	17.40	23.40	23.40	25.90	23.40	23.40	25.90	23.40	23.40	
GPRS1900 4 Tx Slots	25.20	20.70	16.70	16.70	22.70	22.70	25.20	22.70	22.70	25.20	22.70	22.70	
EGPRS1900 1 Tx Slot	26.20	21.70	17.70	17.70	23.70	23.70	26.20	23.70	23.70	26.20	23.70	23.70	
EGPRS1900 2 Tx Slots	24.70	20.20	16.20	16.20	22.20	22.20	24.70	22.20	22.20	24.70	22.20	22.20	
EGPRS1900 3 Tx Slots	22.40	17.90	13.90	13.90	19.90	19.90	22.40	19.90	19.90	22.40	19.90	19.90	
EGPRS1900 4 Tx Slots	21.70	17.20	13.20	13.20	19.20	19.20	21.70	19.20	19.20	21.70	19.20	19.20	
WCDMA Band2 RMC	21.70	17.70	13.20	13.20	19.70	19.70	21.70	19.70	19.70	21.70	19.70	19.70	
HSDPA Subtest-1	20.70	16.70	12.20	12.20	18.70	18.70	20.70	18.70	18.70	20.70	18.70	18.70	
HSDPA Subtest-2	20.70	16.70	12.20	12.20	18.70	18.70	20.70	18.70	18.70	20.70	18.70	18.70	
HSDPA Subtest-3	20.20	16.20	11.70	11.70	18.20	18.20	20.20	18.20	18.20	20.20	18.20	18.20	
HSDPA Subtest-4	20.20	16.20	11.70	11.70	18.20	18.20	20.20	18.20	18.20	20.20	18.20	18.20	
HSUPA Subtest-1	19.20	15.20	10.70	10.70	17.20	17.20	19.20	17.20	17.20	19.20	17.20	17.20	
HSUPA Subtest-2	17.70	13.70	9.20	9.20	15.70	15.70	17.70	15.70	15.70	17.70	15.70	15.70	
HSUPA Subtest-3	18.70	14.70	10.20	10.20	16.70	16.70	18.70	16.70	16.70	18.70	16.70	16.70	
HSUPA Subtest-4	18.20	14.20	9.70	9.70	16.20	16.20	18.20	16.20	16.20	18.20	16.20	16.20	
HSUPA Subtest-5	19.70	15.70	11.20	11.20	17.70	17.70	19.70	17.70	17.70	19.70	17.70	17.70	
WCDMA Band4 RMC	21.70	17.70	15.70	15.70	21.20	21.20	21.70	21.20	21.20	21.70	21.20	21.20	
HSDPA Subtest-1	20.70	16.70	14.70	14.70	20.20	20.20	20.70	20.20	20.20	20.70	20.20	20.20	
HSDPA Subtest-2	20.70	16.70	14.70	14.70	20.20	20.20	20.70	20.20	20.20	20.70	20.20	20.20	
HSDPA Subtest-3	20.20	16.20	14.20	14.20	19.70	19.70	20.20	19.70	19.70	20.20	19.70	19.70	
HSDPA Subtest-4	20.20	16.20	14.20	14.20	19.70	19.70	20.20	19.70	19.70	20.20	19.70	19.70	

HSUPA Subtest-1	19.70	15.70	13.20	13.20	19.20	19.20	19.70	19.20	19.20	19.70	19.20	19.20
HSUPA Subtest-2	18.20	14.20	11.70	11.70	17.70	17.70	18.20	17.70	17.70	18.20	17.70	17.70
HSUPA Subtest-3	19.20	15.20	12.70	12.70	18.70	18.70	19.20	18.70	18.70	19.20	18.70	18.70
HSUPA Subtest-4	18.70	14.70	12.20	12.20	18.20	18.20	18.70	18.20	18.20	18.70	18.20	18.20
HSUPA Subtest-5	20.70	16.70	13.70	13.70	20.20	20.20	20.70	20.20	20.20	20.70	20.20	20.20
WCDMA Band5 RMC	24.50	23.50	18.00	18.00	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-1	23.50	22.50	17.00	17.00	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-2	23.50	22.50	17.00	17.00	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-3	23.00	22.00	16.50	16.50	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-4	23.00	22.00	16.50	16.50	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-1	22.00	21.00	15.50	15.50	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-2	20.50	19.50	14.00	14.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSUPA Subtest-3	21.50	20.50	15.00	15.00	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-4	20.50	19.50	14.00	14.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
HSUPA Subtest-5	22.50	21.50	16.00	16.00	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
LTE Band2	22.20	18.20	13.70	13.70	19.70	19.70	22.20	19.70	19.70	22.20	19.70	19.70
LTE Band4	22.20	18.20	16.20	16.20	21.20	21.20	22.20	21.20	21.20	22.20	21.20	21.20
LTE Band5	24.50	23.50	19.00	19.00	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band7	20.00	16.50	13.50	13.50	18.50	18.50	20.00	18.50	18.50	20.00	18.50	18.50
LTE Band12	24.00	23.00	18.50	18.50	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band17	24.00	23.00	18.50	18.50	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band26	24.50	23.50	19.00	19.00	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band66	21.70	17.70	17.20	17.20	21.20	21.20	21.70	21.20	21.20	21.70	21.20	21.20
LTE Band38	22.00	19.00	15.50	15.50	21.00	21.00	22.00	21.00	21.00	22.00	21.00	21.00
LTE Band41	21.50	18.50	17.50	17.50	20.50	20.50	21.50	20.50	20.50	21.50	20.50	20.50
NR n5	24.00	22.00	19.00	19.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
NR n7	20.00	16.50	14.50	14.50	19.00	19.00	20.00	19.00	19.00	20.00	19.00	19.00
NR n38	20.50	17.00	13.50	13.50	19.50	19.50	20.50	19.50	19.50	20.50	19.50	19.50
NR n41	20.50	17.50	13.50	13.50	19.50	19.50	20.50	19.50	19.50	20.50	19.50	19.50

WWAN Antenna 1&4 Power Table

Mode	WWAN Antenna 1&4																
	Test Mode	Head		Hotspot		Hotspot		Body-worn		Specific		Specific					
	Receiver state	Receiver on				Receiver off											
	Sensor state	/		Sensor off		Sensor on		Sensor on		Sensor off		Sensor on					
	Full Power	Stand alone	Simultaneous transmission		Simultaneous transmission		Simultaneous transmission		Stand alone	Simultaneous transmission		Stand alone	Simultaneous transmission		Stand alone	Simultaneous transmission	
		+2.4G WLAN or 5G	+ WLAN 2.4G + WLAN 5G	+2.4G WLAN or 5G	+ WLAN 2.4G + WLAN 5G	+2.4G WLAN or 5G	+ WLAN 2.4G + WLAN 5G	Stand alone	+2.4G WLAN or 5G	+ WLAN 2.4G + WLAN 5G	Stand alone	+2.4G WLAN or 5G	+ WLAN 2.4G + WLAN 5G	Stand alone	+2.4G WLAN or 5G	+ WLAN 2.4G + WLAN 5G	
GSM 850	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
GPRS850 3 Tx Slots	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70
GPRS850 4 Tx Slots	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00
EGPRS850 1 Tx Slot	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50
EGPRS850 2 Tx Slots	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70
EGPRS850 4 Tx Slots	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
GSM 1900	30.50	30.50	30.50	30.50	30.50	30.50	29.50	29.50	30.50	29.50	29.50	30.50	30.50	30.50	30.50	29.50	29.50
GPRS1900 1 Tx Slot	30.50	30.50	30.50	30.50	30.50	30.50	29.50	29.50	30.50	29.50	29.50	30.50	30.50	30.50	30.50	29.50	29.50
GPRS1900 2 Tx Slots	28.50	28.50	28.50	28.50	28.50	28.50	27.50	27.50	28.50	27.50	27.50	28.50	28.50	28.50	28.50	27.50	27.50
GPRS1900 3 Tx Slots	26.70	26.70	26.70	26.70	26.70	26.70	25.70	25.70	26.70	25.70	25.70	26.70	26.70	26.70	26.70	25.70	25.70

GPRS1900 4 Tx Slots	26.00	26.00	26.00	26.00	26.00	26.00	26.00	25.00	25.00	26.00	25.00	25.00	26.00	26.00	26.00	26.00	25.00	25.00
EGPRS1900 1 Tx Slot	27.00	27.00	27.00	27.00	27.00	27.00	27.00	26.00	26.00	27.00	26.00	26.00	27.00	27.00	27.00	27.00	26.00	26.00
EGPRS1900 2 Tx Slots	25.50	25.50	25.50	25.50	25.50	25.50	25.50	24.50	24.50	25.50	24.50	24.50	25.50	25.50	25.50	25.50	24.50	24.50
EGPRS1900 3 Tx Slots	23.20	23.20	23.20	23.20	23.20	23.20	23.20	22.20	22.20	23.20	22.20	22.20	23.20	23.20	23.20	23.20	22.20	22.20
EGPRS1900 4 Tx Slots	22.50	22.50	22.50	22.50	22.50	22.50	22.50	21.50	21.50	22.50	21.50	21.50	22.50	22.50	22.50	22.50	21.50	21.50
WCDMA Band2	24.50	24.50	24.50	24.50	24.50	24.50	24.50	22.50	22.50	23.50	22.50	22.50	24.50	24.50	24.50	23.50	22.50	22.50
HSDPA Subtest-1	23.50	23.50	23.50	23.50	23.50	23.50	23.50	21.50	21.50	22.50	21.50	21.50	23.50	23.50	23.50	22.50	21.50	21.50
HSDPA Subtest-2	23.50	23.50	23.50	23.50	23.50	23.50	23.50	21.50	21.50	22.50	21.50	21.50	23.50	23.50	23.50	22.50	21.50	21.50
HSDPA Subtest-3	23.00	23.00	23.00	23.00	23.00	23.00	23.00	21.00	21.00	22.00	21.00	21.00	23.00	23.00	23.00	22.00	21.00	21.00
HSDPA Subtest-4	23.00	23.00	23.00	23.00	23.00	23.00	23.00	21.00	21.00	22.00	21.00	21.00	23.00	23.00	23.00	22.00	21.00	21.00
HSUPA Subtest-1	22.50	22.50	22.50	22.50	22.50	22.50	22.50	20.50	20.50	21.50	20.50	20.50	22.50	22.50	22.50	21.50	20.50	20.50
HSUPA Subtest-2	21.00	21.00	21.00	21.00	21.00	21.00	21.00	19.00	19.00	20.00	19.00	19.00	21.00	21.00	21.00	20.00	19.00	19.00
HSUPA Subtest-3	22.00	22.00	22.00	22.00	22.00	22.00	22.00	20.00	20.00	21.00	20.00	20.00	22.00	22.00	22.00	21.00	20.00	20.00
HSUPA Subtest-4	21.50	21.50	21.50	21.50	21.50	21.50	21.50	19.50	19.50	20.50	19.50	19.50	21.50	21.50	21.50	20.50	19.50	19.50
HSUPA Subtest-5	23.50	23.50	23.50	23.50	23.50	23.50	23.50	21.50	21.50	22.50	21.50	21.50	23.50	23.50	23.50	22.50	21.50	21.50
WCDMA Band4 RMC	24.50	24.50	24.50	24.50	24.50	24.50	24.50	22.00	22.00	22.50	22.00	22.00	24.50	24.50	24.50	22.50	22.00	22.00
HSDPA Subtest-1	23.50	23.50	23.50	23.50	23.50	23.50	23.50	21.00	21.00	21.50	21.00	21.00	23.50	23.50	23.50	21.50	21.00	21.00
HSDPA Subtest-2	23.50	23.50	23.50	23.50	23.50	23.50	23.50	21.00	21.00	21.50	21.00	21.00	23.50	23.50	23.50	21.50	21.00	21.00
HSDPA Subtest-3	23.00	23.00	23.00	23.00	23.00	23.00	23.00	20.50	20.50	21.00	20.50	20.50	23.00	23.00	23.00	21.00	20.50	20.50
HSDPA Subtest-4	23.00	23.00	23.00	23.00	23.00	23.00	23.00	20.50	20.50	21.00	20.50	20.50	23.00	23.00	23.00	21.00	20.50	20.50
HSUPA Subtest-1	22.50	22.50	22.50	22.50	22.50	22.50	22.50	20.00	20.00	20.50	20.00	20.00	22.50	22.50	22.50	20.50	20.00	20.00

HSUPA Subtest-2	21.00	21.00	21.00	21.00	21.00	21.00	21.00	18.50	18.50	19.00	18.50	18.50	21.00	21.00	21.00	19.00	18.50	18.50
HSUPA Subtest-3	22.00	22.00	22.00	22.00	22.00	22.00	22.00	19.50	19.50	20.00	19.50	19.50	22.00	22.00	22.00	20.00	19.50	19.50
HSUPA Subtest-4	21.50	21.50	21.50	21.50	21.50	21.50	21.50	19.00	19.00	19.50	19.00	19.00	21.50	21.50	21.50	19.50	19.00	19.00
HSUPA Subtest-5	23.50	23.50	23.50	23.50	23.50	23.50	23.50	21.00	21.00	21.50	21.00	21.00	23.50	23.50	23.50	21.50	21.00	21.00
WCDMA Band5 RMC	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
HSDPA Subtest-1	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-2	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-3	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-4	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA Subtest-1	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
HSUPA Subtest-2	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-3	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-4	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-5	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
LTE Band2	24.00	24.00	24.00	24.00	24.00	24.00	24.00	21.50	21.50	23.00	21.50	21.50	24.00	24.00	24.00	23.00	21.50	21.50
LTE Band4	24.00	24.00	24.00	24.00	24.00	24.00	24.00	22.50	22.50	23.00	22.50	22.50	24.00	24.00	24.00	23.00	22.50	22.50
LTE Band5	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band7	24.50	24.50	24.50	24.50	24.50	24.50	24.50	23.50	23.50	24.50	23.50	23.50	24.50	24.50	24.50	24.50	23.50	23.50
LTE Band12	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band17	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band26	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00

LTE Band66	24.00	24.00	24.00	24.00	24.00	24.00	24.00	22.50	22.50	23.00	22.50	22.50	24.00	24.00	24.00	23.00	22.50	22.50
LTE Band38	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band41	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
NR n5	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
NR n7	24.00	24.00	24.00	24.00	24.00	24.00	24.00	20.50	20.50	21.00	20.50	20.50	24.00	24.00	24.00	21.00	20.50	20.50
NR n38	24.00	24.00	24.00	24.00	24.00	24.00	24.00	20.50	20.50	21.00	20.50	20.50	24.00	24.00	24.00	21.00	20.50	20.50
NR n41	24.00	24.00	24.00	24.00	24.00	24.00	24.00	20.50	20.50	21.00	20.50	20.50	24.00	24.00	24.00	21.00	20.50	20.50

WWAN Antenna 0&3&5&7 Test Level Table

Reduced level	Receiver state	Transmitting
		conditions
Level 1	On (head scenario)	WWAN Use Only
Level 2	On (head scenario)	WWAN + WLAN 2.4G or WLAN 5G
Level 3	On (head scenario)	WWAN + WLAN 2.4G + WLAN 5G
Level 4	Off (Body scenario)	WWAN Use Only
Level 5	Off (Body scenario)	WWAN + WLAN 2.4G or WLAN 5G
Level 6	Off (Body scenario)	WWAN + WLAN 2.4G + WLAN 5G

WWAN Antenna 1&4 Test Level Table

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

WWAN Antenna Power Table

Mode	Band	Antenna	WWAN Antenna																	
			Test Mode	Head		Hotspot		Hotspot		Body-worn		Specific		Specific						
			Receiver state	Receiver on				Receiver off												
			Sensor state	/		No sensor or Sensor off		No sensor or Sensor on		No sensor or Sensor on		No sensor or Sensor off		No sensor or Sensor on						
			Full Power	Stand alone	Simultaneous transmission		Simultaneous transmission		Simultaneous transmission		Stand alone	Simultaneous transmission		Stand alone	Simultaneous transmission		Stand alone	Simultaneous transmission		
+2.4G WLAN	+5G WLAN	+2.4G WLAN			+5G WLAN	+2.4G WLAN	+5G WLAN	+2.4G WLAN	+5G WLAN	+2.4G WLAN		+5G WLAN	+2.4G WLAN		+5G WLAN					
DC_7A_n5	n5	Ant.0	23.00	20.00	17.00	17.00	20.50	20.50	20.50	20.50	23.00	20.50	20.50	23.00	20.50	20.50	23.00	20.50	20.50	
	LTE Band7	Ant.3	17.50	14.00	9.50	9.50	16.00	16.00	16.00	16.00	17.50	16.00	16.00	17.50	16.00	16.00	17.50	16.00	16.00	
DC_7A_n5	n5	Ant.0	23.00	20.00	17.00	17.00	20.50	20.50	20.50	20.50	23.00	20.50	20.50	23.00	20.50	20.50	23.00	20.50	20.50	
	LTE Band7	Ant.5	21.00	16.50	14.00	14.00	19.50	19.50	19.50	19.50	21.00	19.50	19.50	21.00	19.50	19.50	21.00	19.50	19.50	
DC_7A_n5	n5	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.00	24.00	24.50	24.00	24.00	24.50	24.50	24.50	24.50	24.00	24.00	
	LTE Band7	Ant.3	17.50	14.00	9.50	9.50	16.00	16.00	16.00	16.00	17.50	16.00	16.00	17.50	16.00	16.00	17.50	16.00	16.00	
DC_7A_n5	n5	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.00	24.00	24.50	24.00	24.00	24.50	24.50	24.50	24.50	24.00	24.00	
	LTE Band7	Ant.5	21.00	16.50	14.00	14.00	19.50	19.50	19.50	19.50	21.00	19.50	19.50	21.00	19.50	19.50	21.00	19.50	19.50	
DC_5A_n7	n7	Ant.3	17.50	14.50	12.50	12.50	15.50	15.50	15.50	15.50	17.50	15.50	15.50	17.50	15.50	15.50	17.50	15.50	15.50	
	LTE Band5	Ant.0	22.50	20.50	16.50	16.50	20.50	20.50	20.50	20.50	22.50	20.50	20.50	22.50	20.50	20.50	22.50	20.50	20.50	
DC_5A_n7	n7	Ant.3	17.50	14.50	12.50	12.50	15.50	15.50	15.50	15.50	17.50	15.50	15.50	17.50	15.50	15.50	17.50	15.50	15.50	
	LTE Band5	Ant.1	24.00	24.00	24.00	24.00	24.00	24.00	23.50	23.50	24.00	23.50	23.50	24.00	24.00	24.00	24.00	23.50	23.50	
DC_5A_n7	n7	Ant.5	20.50	15.50	13.50	13.50	18.50	18.50	18.50	18.50	20.50	18.50	18.50	20.50	18.50	18.50	20.50	18.50	18.50	
	LTE Band5	Ant.0	22.50	20.50	16.50	16.50	20.50	20.50	20.50	20.50	22.50	20.50	20.50	22.50	20.50	20.50	22.50	20.50	20.50	
DC_5A_n7	n7	Ant.5	20.50	15.50	13.50	13.50	18.50	18.50	18.50	18.50	20.50	18.50	18.50	20.50	18.50	18.50	20.50	18.50	18.50	
	LTE Band5	Ant.1	24.00	24.00	24.00	24.00	24.00	24.00	23.50	23.50	24.00	23.50	23.50	24.00	24.00	24.00	24.00	23.50	23.50	
DC_7A_n66	n66	Ant.3	19.00	14.50	12.50	12.50	17.00	17.00	17.00	17.00	19.00	17.00	17.00	19.00	17.00	17.00	19.00	17.00	17.00	
	LTE Band7	Ant.5	20.50	15.50	10.50	10.50	18.50	18.50	18.50	18.50	20.50	18.50	18.50	20.50	18.50	18.50	20.50	18.50	18.50	
DC_7A_n66	n66	Ant.4	24.00	24.00	24.00	24.00	24.00	24.00	19.00	19.00	20.50	19.00	19.00	24.00	24.00	24.00	20.50	19.00	19.00	
	LTE Band7	Ant.5	20.50	15.50	10.50	10.50	18.50	18.50	18.50	18.50	20.50	18.50	18.50	20.50	18.50	18.50	20.50	18.50	18.50	
DC_7A_n66	n66	Ant.3	19.00	14.50	12.50	12.50	17.00	17.00	17.00	17.00	19.00	17.00	17.00	19.00	17.00	17.00	19.00	17.00	17.00	
	LTE Band7	Ant.7	17.00	16.00	14.00	14.00	15.00	15.00	15.00	15.00	17.00	15.00	15.00	17.00	15.00	15.00	17.00	15.00	15.00	
DC_7A_n66	n66	Ant.4	24.00	24.00	24.00	24.00	24.00	24.00	19.00	19.00	20.50	19.00	19.00	24.00	24.00	24.00	20.50	19.00	19.00	
	LTE Band7	Ant.7	17.00	16.00	14.00	14.00	15.00	15.00	15.00	15.00	17.00	15.00	15.00	17.00	15.00	15.00	17.00	15.00	15.00	

WLAN Antenna 2 Test Level Table

Reduced level	Receiver state	Transmitting
		conditions
Level 1	On (head scenario)	WLAN Only
Level 2	On (head scenario)	WWAN + WLAN 2.4G or WLAN 5G
Level 3	On (head scenario)	WWAN + WLAN 2.4G + WLAN 5G
Level 4	Off (Body scenario)	WLAN Only
Level 5	Off (Body scenario)	WWAN + WLAN 2.4G or WLAN 5G
Level 6	Off (Body scenario)	WWAN + WLAN 2.4G + WLAN 5G

WLAN Antenna 7&8 Test Level Table

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

WLAN Antenna MIMO Test Level Table

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

WLAN Antenna 2 Power Table

Mode	WLAN Antenna 2													
	Test	Head			Hotspot			Body-worn			Specific			
	Receiver state	Receiver on				Receiver off								
	Full Power	Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		
WWAN + WLAN 2.4G or 5G			WWAN + WLAN 2.4G + 5G	WWAN + WLAN 2.4G or 5G		WWAN + WLAN 2.4G + 5G	WWAN + WLAN 2.4G or 5G		WWAN + WLAN 2.4G + 5G	WWAN + WLAN 2.4G or 5G		WWAN + WLAN 2.4G + 5G		
2.4G WLAN 802.11b	19.00	18.00	14.50	N/A	19.00	15.00	N/A	19.00	15.00	N/A	19.00	15.00	N/A	
2.4G WLAN 802.11g	19.00	18.00	14.50	N/A	19.00	15.00	N/A	19.00	15.00	N/A	19.00	15.00	N/A	
2.4G WLAN 802.11n20	19.00	18.00	14.50	N/A	19.00	15.00	N/A	19.00	15.00	N/A	19.00	15.00	N/A	
2.4G WLAN 802.11n40	19.00	18.00	14.50	N/A	19.00	15.00	N/A	19.00	15.00	N/A	19.00	15.00	N/A	
2.4G WLAN 802.11ac20	19.00	18.00	14.50	N/A	19.00	15.00	N/A	19.00	15.00	N/A	19.00	15.00	N/A	
2.4G WLAN 802.11ac40	19.00	18.00	14.50	N/A	19.00	15.00	N/A	19.00	15.00	N/A	19.00	15.00	N/A	
2.4G WLAN 802.11ax20	19.00	18.00	14.50	N/A	19.00	15.00	N/A	19.00	15.00	N/A	19.00	15.00	N/A	
2.4G WLAN 802.11ax40	19.00	18.00	14.50	N/A	19.00	15.00	N/A	19.00	15.00	N/A	19.00	15.00	N/A	
5.2G WLAN 802.11a	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.2G WLAN 802.11n20	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.2G WLAN 802.11n40	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.2G WLAN 802.11ac20	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.2G WLAN 802.11ac40	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.2G WLAN 802.11ac80	18.50	13.00	9.50	9.50	18.50	13.00	10.00	18.50	13.00	10.00	18.50	13.00	10.00	
5.2G WLAN 802.11ax20	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.2G WLAN 802.11ax40	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.2G WLAN 802.11ax80	18.50	13.00	9.50	9.50	18.50	13.00	10.00	18.50	13.00	10.00	18.50	13.00	10.00	
5.3G WLAN 802.11a	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.3G WLAN 802.11n20	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.3G WLAN 802.11n40	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.3G WLAN 802.11ac20	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.3G WLAN 802.11ac40	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.3G WLAN 802.11ac80	18.50	13.00	9.50	9.50	18.50	13.00	10.00	18.50	13.00	10.00	18.50	13.00	10.00	
5.3G WLAN 802.11ax20	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.3G WLAN 802.11ax40	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.3G WLAN 802.11ax80	18.50	13.00	9.50	9.50	18.50	13.00	10.00	18.50	13.00	10.00	18.50	13.00	10.00	
5.6G WLAN 802.11a	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.6G WLAN 802.11n20	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.6G WLAN 802.11n40	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.6G WLAN 802.11ac20	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	
5.6G WLAN 802.11ac40	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00	

5.6G WLAN 802.11ac80	18.50	13.00	9.50	9.50	18.50	13.00	10.00	18.50	13.00	10.00	18.50	13.00	10.00
5.6G WLAN 802.11ax20	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00
5.6G WLAN 802.11ax40	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00
5.6G WLAN 802.11ax80	18.50	13.00	9.50	9.50	18.50	13.00	10.00	18.50	13.00	10.00	18.50	13.00	10.00
5.8G WLAN 802.11a	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00
5.8G WLAN 802.11n20	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00
5.8G WLAN 802.11n40	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00
5.8G WLAN 802.11ac20	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00
5.8G WLAN 802.11ac40	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00
5.8G LAN 802.11ac80	18.50	13.00	9.50	9.50	18.50	13.00	10.00	18.50	13.00	10.00	18.50	13.00	10.00
5.8G WLAN 802.11ax20	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00
5.8G WLAN 802.11ax40	19.50	14.00	10.50	10.50	19.50	14.00	11.00	19.50	14.00	11.00	19.50	14.00	11.00
5.8G LAN 802.11ax80	18.50	13.00	9.50	9.50	18.50	13.00	10.00	18.50	13.00	10.00	18.50	13.00	10.00

WLAN Antenna 7&8 Power Table

Mode	WLAN Antenna 7&8																			
	Test Mode	Head				Hotspot			Hotspot			Body-worn			Specific			Specific		
	Receiver	Receiver on				Receiver off														
	Sensor	N/A				Sensor off			Sensor on			Sensor on			Sensor off			Sensor on		
	Full Power	Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		
WLAN N+2.4G or WLAN N 5G			WLAN N+2.4G or WLAN N 5G	WLAN N+2.4G or WLAN N 5G		WLAN N+2.4G or WLAN N 5G	WLAN N+2.4G or WLAN N 5G		WLAN N+2.4G or WLAN N 5G	WLAN N+2.4G or WLAN N 5G		WLAN N+2.4G or WLAN N 5G	WLAN N+2.4G or WLAN N 5G		WLAN N+2.4G or WLAN N 5G	WLAN N+2.4G or WLAN N 5G		WLAN N+2.4G or WLAN N 5G	WLAN N+2.4G or WLAN N 5G	WLAN N+2.4G or WLAN N 5G
2.4G WLAN 802.11b	19.00	18.00	14.50	11.50	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	
2.4G WLAN 802.11g	19.00	18.00	14.50	11.50	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	
2.4G WLAN 802.11n20	19.00	18.00	14.50	11.50	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	
2.4G WLAN 802.11n40	19.00	18.00	14.50	11.50	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	
2.4G WLAN 802.11ac20	19.00	18.00	14.50	11.50	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	
2.4G WLAN 802.11ac40	19.00	18.00	14.50	11.50	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	
2.4G WLAN 802.11ac20	19.00	18.00	14.50	11.50	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	
2.4G WLAN 802.11ac40	19.00	18.00	14.50	11.50	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	19.00	15.00	12.00	
5.2G WLAN 802.11a	19.50	14.00	10.50	N/A	18.00	14.00	N/A	18.00	14.00	N/A	18.00	14.00	N/A	19.50	14.00	N/A	18.00	14.00	N/A	
5.2G WLAN 802.11n20	19.50	14.00	10.50	N/A	18.00	14.00	N/A	18.00	14.00	N/A	18.00	14.00	N/A	19.50	14.00	N/A	18.00	14.00	N/A	
5.2G WLAN 802.11n40	19.50	14.00	10.50	N/A	18.00	14.00	N/A	18.00	14.00	N/A	18.00	14.00	N/A	19.50	14.00	N/A	18.00	14.00	N/A	
5.2G WLAN 802.11ac20	19.50	14.00	10.50	N/A	18.00	14.00	N/A	18.00	14.00	N/A	18.00	14.00	N/A	19.50	14.00	N/A	18.00	14.00	N/A	

5.6G WLAN 802.11ac40	19.50	14.00	10.50	N/A	18.00	14.00	N/A	18.00	14.00	N/A	18.00	14.00	N/A	19.50	14.00	N/A	18.00	14.00	N/A
5.6G WLAN 802.11ac80	18.50	13.00	9.50	N/A	17.00	13.00	N/A	17.00	13.00	N/A	17.00	13.00	N/A	18.50	13.00	N/A	17.00	13.00	N/A
5.8G WLAN 802.11a	19.50	14.00	10.50	N/A	18.00	14.00	N/A	18.00	14.00	N/A	18.00	14.00	N/A	19.50	14.00	N/A	18.00	14.00	N/A
5.8G WLAN 802.11n20	19.50	14.00	10.50	N/A	18.00	14.00	N/A	18.00	14.00	N/A	18.00	14.00	N/A	19.50	14.00	N/A	18.00	14.00	N/A
5.8G WLAN 802.11n40	19.50	14.00	10.50	N/A	18.00	14.00	N/A	18.00	14.00	N/A	18.00	14.00	N/A	19.50	14.00	N/A	18.00	14.00	N/A
5.8G WLAN 802.11ac20	19.50	14.00	10.50	N/A	18.00	14.00	N/A	18.00	14.00	N/A	18.00	14.00	N/A	19.50	14.00	N/A	18.00	14.00	N/A
5.8G WLAN 802.11ac40	19.50	14.00	10.50	N/A	18.00	14.00	N/A	18.00	14.00	N/A	18.00	14.00	N/A	19.50	14.00	N/A	18.00	14.00	N/A
5.8G LAN 802.11ac80	18.50	13.00	9.50	N/A	17.00	13.00	N/A	17.00	13.00	N/A	17.00	13.00	N/A	18.50	13.00	N/A	17.00	13.00	N/A
5.8G WLAN 802.11ac20	19.50	14.00	10.50	N/A	18.00	14.00	N/A	18.00	14.00	N/A	18.00	14.00	N/A	19.50	14.00	N/A	18.00	14.00	N/A
5.8G WLAN 802.11ac40	19.50	14.00	10.50	N/A	18.00	14.00	N/A	18.00	14.00	N/A	18.00	14.00	N/A	19.50	14.00	N/A	18.00	14.00	N/A
5.8G LAN 802.11ac80	18.50	13.00	9.50	N/A	17.00	13.00	N/A	17.00	13.00	N/A	17.00	13.00	N/A	18.50	13.00	N/A	17.00	13.00	N/A
Bluetooth	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00

WLAN Antenna MIMO Power Table

Mode	WLAN Antenna MIMO												
	Test Mode	Head		Hotspot		Hotspot		Body-worn		Specific		Specific	
	Receiver state	Receiver on		Receiver off									
	Sensor state	N/A		Sensor off		Sensor on		Sensor on		Sensor off		Sensor on	
	Full Power	Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Standalone	Simultaneous transmission
	e	WWAN + WLAN 2.4G or WLAN 5G	e	WWAN + WLAN 2.4G or WLAN 5G	e	WWAN + WLAN 2.4G or WLAN 5G	e	WWAN + WLAN 2.4G or WLAN 5G	e	WWAN + WLAN 2.4G or WLAN 5G	e	WWAN + WLAN 2.4G or WLAN 5G	
2.4G WLAN 802.11b	22.00	21.00	17.50	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00
2.4G WLAN 802.11g	22.00	21.00	17.50	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00
2.4G WLAN 802.11n20	22.00	21.00	17.50	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00
2.4G WLAN 802.11n40	22.00	21.00	17.50	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00
2.4G WLAN 802.11ac20	22.00	21.00	17.50	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00
2.4G WLAN 802.11ac40	22.00	21.00	17.50	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00
2.4G WLAN 802.11ac20	22.00	21.00	17.50	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00
2.4G WLAN 802.11ac40	22.00	21.00	17.50	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00	22.00	18.00
5.2G WLAN 802.11a	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.2G WLAN 802.11n20	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.2G WLAN 802.11n40	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.2G WLAN 802.11ac20	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.2G WLAN 802.11ac40	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00

5.2G WLAN 802.11ac80	21.50	16.00	12.50	20.00	16.00	20.00	16.00	20.00	16.00	21.50	16.00	20.00	16.00
5.2G WLAN 802.11ac20	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.2G WLAN 802.11ac40	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.2G WLAN 802.11ac80	21.50	16.00	12.50	20.00	16.00	20.00	16.00	20.00	16.00	21.50	16.00	20.00	16.00
5.3G WLAN 802.11a	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.3G WLAN 802.11n20	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.3G WLAN 802.11n40	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.3G WLAN 802.11ac20	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.3G WLAN 802.11ac40	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.3G WLAN 802.11ac80	21.50	16.00	12.50	20.00	16.00	20.00	16.00	20.00	16.00	21.50	16.00	20.00	16.00
5.3G WLAN 802.11ac20	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.3G WLAN 802.11ac40	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.3G WLAN 802.11ac80	21.50	16.00	12.50	20.00	16.00	20.00	16.00	20.00	16.00	21.50	16.00	20.00	16.00
5.6G WLAN 802.11a	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.6G WLAN 802.11n20	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.6G WLAN 802.11n40	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.6G WLAN 802.11ac20	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.6G WLAN 802.11ac40	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.6G WLAN 802.11ac80	21.50	16.00	12.50	20.00	16.00	20.00	16.00	20.00	16.00	21.50	16.00	20.00	16.00
5.6G WLAN 802.11ac20	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.6G WLAN 802.11ac40	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00

5.6G WLAN 802.11ac80	21.50	16.00	12.50	20.00	16.00	20.00	16.00	20.00	16.00	21.50	16.00	20.00	16.00
5.8G WLAN 802.11a	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.8G WLAN 802.11n20	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.8G WLAN 802.11n40	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.8G WLAN 802.11ac20	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.8G WLAN 802.11ac40	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.8G LAN 802.11ac80	21.50	16.00	12.50	20.00	16.00	20.00	16.00	20.00	16.00	21.50	16.00	20.00	16.00
5.8G WLAN 802.11ac20	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.8G WLAN 802.11ac40	22.50	17.00	13.50	21.00	17.00	21.00	17.00	21.00	17.00	22.50	17.00	21.00	17.00
5.8G LAN 802.11ac80	21.50	16.00	12.50	20.00	16.00	20.00	16.00	20.00	16.00	21.50	16.00	20.00	16.00

8.9.1 Power Reduced Level 1-ANT2 of 2.4G WIFI

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	16.10	17.00	No
		2	2417	17.00	18.00	Yes
		6	2437	16.75	18.00	Yes
		10	2457	17.24	18.00	Yes
		11	2462	12.26	13.50	No
	802.11g	1	2412	16.06	17.00	No
		2	2417	17.09	18.00	No
		6	2437	17.06	18.00	No
		10	2457	16.95	18.00	No
		11	2462	12.32	13.50	No
	802.11n(HT20)	1	2412	16.04	17.00	No
		2	2417	16.82	18.00	No
		6	2437	17.19	18.00	No
		10	2457	17.23	18.00	No
		11	2462	12.54	13.50	No
	802.11n(HT40)	3	2422	15.17	16.00	No
		4	2427	17.04	18.00	No
		6	2437	17.17	18.00	No
		8	2447	17.03	18.00	No
		9	2452	11.34	12.50	No
	802.11ac(VHT20)	1	2412	15.82	17.00	No
		2	2417	17.11	18.00	No
		6	2437	17.07	18.00	No
		10	2457	16.77	18.00	No
		11	2462	12.68	13.50	No
	802.11ac(VHT40)	3	2422	14.88	16.00	No
		4	2427	17.05	18.00	No
		6	2437	17.16	18.00	No
		8	2447	16.81	18.00	No
		9	2452	11.26	12.50	No
	802.11ax(HE20)	1	2412	16.07	17.00	No
		2	2417	16.95	18.00	No
		6	2437	17.21	18.00	No
		10	2457	16.90	18.00	No
		11	2462	12.51	13.50	No
	802.11ax(HE40)	3	2422	15.07	16.00	No
4		2427	17.09	18.00	No	
6		2437	16.83	18.00	No	

		8	2447	17.09	18.00	No
		9	2452	11.70	12.50	No

8.9.2 Power Reduced Level 2-ANT2 of 2.4G WIFI

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	13.59	14.50	No
		2	2417	13.15	14.50	No
		6	2437	13.67	14.50	Yes
		10	2457	13.34	14.50	No
		11	2462	12.74	13.50	No
	802.11g	1	2412	13.47	14.50	No
		2	2417	13.31	14.50	No
		6	2437	13.39	14.50	No
		10	2457	13.57	14.50	No
		11	2462	12.40	13.50	No
	802.11n(HT20)	1	2412	13.27	14.50	No
		2	2417	13.74	14.50	No
		6	2437	13.33	14.50	No
		10	2457	13.50	14.50	No
		11	2462	12.37	13.50	No
	802.11n(HT40)	3	2422	13.60	14.50	No
		4	2427	13.47	14.50	No
		6	2437	13.59	14.50	No
		8	2447	13.36	14.50	No
		9	2452	11.71	12.50	No
	802.11ac(VHT20)	1	2412	13.49	14.50	No
		2	2417	13.72	14.50	No
		6	2437	13.47	14.50	No
		10	2457	13.57	14.50	No
		11	2462	12.44	13.50	No
	802.11ac(VHT40)	3	2422	13.39	14.50	No
		4	2427	13.66	14.50	No
		6	2437	13.54	14.50	No
		8	2447	13.45	14.50	No
		9	2452	11.51	12.50	No
	802.11ax(HE20)	1	2412	13.63	14.50	No
		2	2417	13.42	14.50	No
		6	2437	13.31	14.50	No
10		2457	13.37	14.50	No	
11		2462	12.45	13.50	No	

	802.11ax(HE40)	3	2422	13.49	14.50	No
		4	2427	13.49	14.50	No
		6	2437	13.42	14.50	No
		8	2447	13.32	14.50	No
		9	2452	11.61	12.50	No

8.9.3 Power Reduced Level 4-ANT2 of 2.4G WIFI

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	16.14	17.00	No
		2	2417	18.05	19.00	No
		6	2437	18.61	19.00	Yes
		10	2457	18.14	19.00	No
		11	2462	11.92	13.50	No
	802.11g	1	2412	16.01	17.00	No
		2	2417	18.11	19.00	No
		6	2437	17.85	19.00	No
		10	2457	18.02	19.00	No
		11	2462	12.70	13.50	No
	802.11n(HT20)	1	2412	16.20	17.00	No
		2	2417	17.80	19.00	No
		6	2437	18.10	19.00	No
		10	2457	17.93	19.00	No
		11	2462	12.37	13.50	No
	802.11n(HT40)	3	2422	15.13	16.00	No
		4	2427	17.96	19.00	No
		6	2437	17.77	19.00	No
		8	2447	18.16	19.00	No
		9	2452	11.64	12.50	No
	802.11ac(VHT20)	1	2412	15.88	17.00	No
		2	2417	18.00	19.00	No
		6	2437	18.06	19.00	No
		10	2457	17.87	19.00	No
		11	2462	12.43	13.50	No
	802.11ac(VHT40)	3	2422	14.87	16.00	No
		4	2427	18.04	19.00	No
		6	2437	18.19	19.00	No
		8	2447	18.24	19.00	No
		9	2452	11.49	12.50	No
	802.11ax(HE20)	1	2412	15.76	17.00	No
		2	2417	18.21	19.00	No

		6	2437	18.15	19.00	No
		10	2457	18.02	19.00	No
		11	2462	12.51	13.50	No
	802.11ax(HE40)	3	2422	14.78	16.00	No
		4	2427	17.96	19.00	No
		6	2437	17.80	19.00	No
		8	2447	18.00	19.00	No
		9	2452	11.70	12.50	No

8.9.4 Power Reduced Level 5-ANT2 of 2.4G WIFI

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	14.12	15.00	No
		2	2417	14.13	15.00	Yes
		6	2437	13.89	15.00	No
		10	2457	14.07	15.00	No
		11	2462	12.73	13.50	No
	802.11g	1	2412	13.85	15.00	No
		2	2417	14.16	15.00	No
		6	2437	13.81	15.00	No
		10	2457	14.19	15.00	No
		11	2462	12.26	13.50	No
	802.11n(HT20)	1	2412	14.10	15.00	No
		2	2417	13.75	15.00	No
		6	2437	14.18	15.00	No
		10	2457	13.78	15.00	No
		11	2462	12.48	13.50	No
	802.11n(HT40)	3	2422	13.78	15.00	No
		4	2427	13.87	15.00	No
		6	2437	14.02	15.00	No
		8	2447	14.15	15.00	No
		9	2452	11.32	12.50	No
	802.11ac(VHT20)	1	2412	13.95	15.00	No
		2	2417	14.03	15.00	No
		6	2437	13.77	15.00	No
		10	2457	13.82	15.00	No
		11	2462	12.72	13.50	No
	802.11ac(VHT40)	3	2422	14.20	15.00	No
		4	2427	13.85	15.00	No
		6	2437	14.18	15.00	No
		8	2447	14.22	15.00	No

		9	2452	11.43	12.50	No
	802.11ax(HE20)	1	2412	13.77	15.00	No
		2	2417	13.80	15.00	No
		6	2437	14.21	15.00	No
		10	2457	13.77	15.00	No
		11	2462	12.27	13.50	No
	802.11ax(HE40)	3	2422	13.95	15.00	No
		4	2427	14.07	15.00	No
		6	2437	13.99	15.00	No
		8	2447	14.21	15.00	No
		9	2452	11.72	12.50	No

8.9.5 Power Reduced Level 1-ANT7 of 2.4G WIFI

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	15.93	17.00	No
		2	2417	17.23	18.00	Yes
		6	2437	17.15	18.00	Yes
		10	2457	17.11	18.00	Yes
		11	2462	12.43	13.50	No
	802.11g	1	2412	16.11	17.00	No
		2	2417	16.79	18.00	No
		6	2437	17.17	18.00	No
		10	2457	16.97	18.00	No
		11	2462	12.41	13.50	No
	802.11n(HT20)	1	2412	15.87	17.00	No
		2	2417	17.12	18.00	No
		6	2437	17.05	18.00	No
		10	2457	17.04	18.00	No
		11	2462	12.72	13.50	No
	802.11n(HT40)	3	2422	15.22	16.00	No
		4	2427	16.97	18.00	No
		6	2437	16.87	18.00	No
		8	2447	17.13	18.00	No
		9	2452	11.45	12.50	No
	802.11ac(VHT20)	1	2412	16.23	17.00	No
		2	2417	17.13	18.00	No
		6	2437	17.01	18.00	No
		10	2457	16.82	18.00	No
		11	2462	12.74	13.50	No
	802.11ac(VHT40)	3	2422	15.20	16.00	No

		4	2427	17.24	18.00	No
		6	2437	16.83	18.00	No
		8	2447	17.11	18.00	No
		9	2452	11.27	12.50	No
	802.11ax(HE20)	1	2412	16.20	17.00	No
		2	2417	16.90	18.00	No
		6	2437	16.95	18.00	No
		10	2457	16.98	18.00	No
		11	2462	12.49	13.50	No
	802.11ax(HE40)	3	2422	15.12	16.00	No
		4	2427	17.10	18.00	No
		6	2437	16.76	18.00	No
		8	2447	16.96	18.00	No
		9	2452	11.35	12.50	No

8.9.6 Power Reduced Level 2-ANT7 of 2.4G WIFI

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	13.35	14.50	No
		2	2417	13.60	14.50	No
		6	2437	13.34	14.50	No
		10	2457	13.76	14.50	Yes
		11	2462	12.62	13.50	No
	802.11g	1	2412	13.46	14.50	No
		2	2417	13.37	14.50	No
		6	2437	13.47	14.50	No
		10	2457	13.67	14.50	No
		11	2462	12.59	13.50	No
	802.11n(HT20)	1	2412	13.69	14.50	No
		2	2417	13.35	14.50	No
		6	2437	13.61	14.50	No
		10	2457	13.45	14.50	No
		11	2462	12.40	13.50	No
	802.11n(HT40)	3	2422	13.70	14.50	No
		4	2427	13.74	14.50	No
		6	2437	13.60	14.50	No
		8	2447	13.58	14.50	No
		9	2452	11.58	12.50	No
	802.11ac(VHT20)	1	2412	13.28	14.50	No
		2	2417	13.59	14.50	No
		6	2437	13.61	14.50	No

		10	2457	13.50	14.50	No
		11	2462	12.49	13.50	No
	802.11ac(VHT40)	3	2422	13.63	14.50	No
		4	2427	13.70	14.50	No
		6	2437	13.27	14.50	No
		8	2447	13.58	14.50	No
		9	2452	11.28	12.50	No
	802.11ax(HE20)	1	2412	13.53	14.50	No
		2	2417	13.69	14.50	No
		6	2437	13.37	14.50	No
		10	2457	13.68	14.50	No
		11	2462	12.42	13.50	No
	802.11ax(HE40)	3	2422	13.52	14.50	No
		4	2427	13.71	14.50	No
		6	2437	13.70	14.50	No
		8	2447	13.50	14.50	No
		9	2452	11.68	12.50	No

8.9.7 Power Reduced Level 3-ANT7 of 2.4G WIFI

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	10.74	11.50	No
		2	2417	10.72	11.50	No
		6	2437	10.73	11.50	No
		10	2457	10.89	11.50	Yes
		11	2462	10.78	11.50	No
	802.11g	1	2412	10.35	11.50	No
		2	2417	10.54	11.50	No
		6	2437	10.73	11.50	No
		10	2457	10.55	11.50	No
		11	2462	10.44	11.50	No
	802.11n(HT20)	1	2412	10.31	11.50	No
		2	2417	10.40	11.50	No
		6	2437	10.40	11.50	No
		10	2457	10.65	11.50	No
		11	2462	10.54	11.50	No
	802.11n(HT40)	3	2422	10.39	11.50	No
		4	2427	10.59	11.50	No
		6	2437	10.27	11.50	No
		8	2447	10.44	11.50	No
		9	2452	10.74	11.50	No

	802.11ac(VHT20)	1	2412	10.35	11.50	No
		2	2417	10.55	11.50	No
		6	2437	10.41	11.50	No
		10	2457	10.30	11.50	No
		11	2462	10.46	11.50	No
	802.11ac(VHT40)	3	2422	10.25	11.50	No
		4	2427	10.42	11.50	No
		6	2437	10.29	11.50	No
		8	2447	10.70	11.50	No
		9	2452	10.34	11.50	No
	802.11ax(HE20)	1	2412	10.38	11.50	No
		2	2417	10.37	11.50	No
		6	2437	10.25	11.50	No
		10	2457	10.46	11.50	No
		11	2462	10.68	11.50	No
	802.11ax(HE40)	3	2422	10.59	11.50	No
		4	2427	10.67	11.50	No
		6	2437	10.28	11.50	No
		8	2447	10.52	11.50	No
		9	2452	10.61	11.50	No

8.9.8 Power Reduced Level 4-ANT7 of 2.4G WIFI (Sensor on and off)

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	16.32	17.00	No
		2	2417	17.80	19.00	No
		6	2437	17.62	19.00	No
		10	2457	17.99	19.00	Yes
		11	2462	12.98	13.50	No
	802.11g	1	2412	16.16	17.00	No
		2	2417	17.98	19.00	No
		6	2437	17.76	19.00	No
		10	2457	17.92	19.00	No
		11	2462	12.50	13.50	No
	802.11n(HT20)	1	2412	15.99	17.00	No
		2	2417	17.83	19.00	No
		6	2437	17.99	19.00	No
		10	2457	17.72	19.00	No
		11	2462	12.54	13.50	No
	802.11n(HT40)	3	2422	15.35	16.00	No
		4	2427	17.82	19.00	No

		6	2437	17.87	19.00	No
		8	2447	18.19	19.00	No
		9	2452	11.41	12.50	No
	802.11ac(VHT20)	1	2412	16.17	17.00	No
		2	2417	17.89	19.00	No
		6	2437	18.03	19.00	No
		10	2457	17.86	19.00	No
		11	2462	12.58	13.50	No
	802.11ac(VHT40)	3	2422	15.24	16.00	No
		4	2427	18.00	19.00	No
		6	2437	17.74	19.00	No
		8	2447	17.75	19.00	No
		9	2452	11.22	12.50	No
	802.11ax(HE20)	1	2412	15.92	17.00	No
		2	2417	17.90	19.00	No
		6	2437	17.97	19.00	No
		10	2457	18.05	19.00	No
		11	2462	12.27	13.50	No
	802.11ax(HE40)	3	2422	14.97	16.00	No
		4	2427	17.81	19.00	No
		6	2437	17.73	19.00	No
8		2447	17.83	19.00	No	
9		2452	11.29	12.50	No	

8.9.9 Power Reduced Level 5-ANT7 of 2.4G WIFI (Sensor on and off)

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	14.05	15.00	No
		2	2417	14.52	15.00	Yes
		6	2437	13.94	15.00	No
		10	2457	14.18	15.00	No
		11	2462	12.55	13.50	No
	802.11g	1	2412	13.95	15.00	No
		2	2417	13.98	15.00	No
		6	2437	13.75	15.00	No
		10	2457	14.01	15.00	No
		11	2462	12.53	13.50	No
	802.11n(HT20)	1	2412	13.76	15.00	No
		2	2417	14.03	15.00	No
		6	2437	13.81	15.00	No
		10	2457	13.84	15.00	No

		11	2462	12.47	13.50	No
	802.11n(HT40)	3	2422	14.20	15.00	No
		4	2427	13.83	15.00	No
		6	2437	13.91	15.00	No
		8	2447	13.81	15.00	No
		9	2452	11.35	12.50	No
		802.11ac(VHT20)	1	2412	14.02	15.00
	2		2417	14.14	15.00	No
	6		2437	13.96	15.00	No
	10		2457	13.89	15.00	No
	11		2462	12.55	13.50	No
	802.11ac(VHT40)	3	2422	13.93	15.00	No
		4	2427	14.23	15.00	No
		6	2437	13.97	15.00	No
		8	2447	14.00	15.00	No
		9	2452	11.42	12.50	No
	802.11ax(HE20)	1	2412	13.99	15.00	No
		2	2417	14.22	15.00	No
		6	2437	13.83	15.00	No
		10	2457	14.03	15.00	No
		11	2462	12.55	13.50	No
	802.11ax(HE40)	3	2422	14.19	15.00	No
		4	2427	14.20	15.00	No
		6	2437	14.18	15.00	No
		8	2447	13.95	15.00	No
9		2452	11.66	12.50	No	

8.9.10 Power Reduced Level 6-ANT7 of 2.4G WIFI (Sensor on and off)

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	11.38	12.00	No
		2	2417	11.33	12.00	No
		6	2437	11.25	12.00	No
		10	2457	11.42	12.00	Yes
		11	2462	11.32	12.00	No
	802.11g	1	2412	10.79	12.00	No
		2	2417	11.23	12.00	No
		6	2437	10.91	12.00	No
		10	2457	10.84	12.00	No
		11	2462	11.21	12.00	No
	802.11n(HT20)	1	2412	10.92	12.00	No

		2	2417	10.89	12.00	No
		6	2437	10.92	12.00	No
		10	2457	10.80	12.00	No
		11	2462	11.04	12.00	No
	802.11n(HT40)	3	2422	11.12	12.00	No
		4	2427	10.86	12.00	No
		6	2437	11.01	12.00	No
		8	2447	10.88	12.00	No
		9	2452	11.23	12.00	No
	802.11ac(VHT20)	1	2412	10.95	12.00	No
		2	2417	10.93	12.00	No
		6	2437	10.77	12.00	No
		10	2457	10.81	12.00	No
		11	2462	10.82	12.00	No
	802.11ac(VHT40)	3	2422	11.11	12.00	No
		4	2427	10.79	12.00	No
		6	2437	11.01	12.00	No
		8	2447	11.20	12.00	No
		9	2452	11.09	12.00	No
	802.11ax(HE20)	1	2412	10.92	12.00	No
		2	2417	11.00	12.00	No
		6	2437	10.91	12.00	No
		10	2457	10.85	12.00	No
		11	2462	10.84	12.00	No
	802.11ax(HE40)	3	2422	11.19	12.00	No
		4	2427	10.91	12.00	No
		6	2437	11.19	12.00	No
		8	2447	10.95	12.00	No
9		2452	10.81	12.00	No	

8.9.11 Power Reduced Level 1-ANT2&7 of 2.4G WIFI

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	18.95	20.00	No
		2	2417	20.15	21.00	Yes
		6	2437	19.89	21.00	Yes
		10	2457	20.10	21.00	Yes
		11	2462	15.43	16.50	No
	802.11g	1	2412	19.11	20.00	No
		2	2417	20.19	21.00	No
		6	2437	20.09	21.00	No

		10	2457	20.03	21.00	No
		11	2462	15.64	16.50	No
	802.11n(HT20)	1	2412	19.09	20.00	No
		2	2417	19.99	21.00	No
		6	2437	20.04	21.00	No
		10	2457	20.20	21.00	No
		11	2462	15.58	16.50	No
		802.11n(HT40)	3	2422	18.18	19.00
	4		2427	20.10	21.00	No
	6		2437	20.13	21.00	No
	8		2447	19.86	21.00	No
	9		2452	14.50	15.50	No
	802.11ac(VHT20)	1	2412	19.16	20.00	No
		2	2417	20.02	21.00	No
		6	2437	20.22	21.00	No
		10	2457	19.88	21.00	No
		11	2462	15.53	16.50	No
	802.11ac(VHT40)	3	2422	17.84	19.00	No
		4	2427	20.00	21.00	No
		6	2437	20.00	21.00	No
		8	2447	19.96	21.00	No
		9	2452	14.46	15.50	No
	802.11ax(HE20)	1	2412	19.06	20.00	No
		2	2417	20.03	21.00	No
		6	2437	20.16	21.00	No
		10	2457	19.98	21.00	No
		11	2462	15.61	16.50	No
	802.11ax(HE40)	3	2422	17.93	19.00	No
		4	2427	20.19	21.00	No
		6	2437	19.95	21.00	No
8		2447	19.98	21.00	No	
9		2452	14.59	15.50	No	

8.9.12 Power Reduced Level 2-ANT2&7 of 2.4G WIFI

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	16.52	17.50	No
		2	2417	16.32	17.50	No
		6	2437	16.57	17.50	Yes
		10	2457	16.45	17.50	No
		11	2462	15.36	16.50	No
	802.11g	1	2412	16.35	17.50	No
		2	2417	16.51	17.50	No
		6	2437	16.64	17.50	No
		10	2457	16.36	17.50	No
		11	2462	15.46	16.50	No
	802.11n(HT20)	1	2412	16.47	17.50	No
		2	2417	16.61	17.50	No
		6	2437	16.50	17.50	No
		10	2457	16.50	17.50	No
		11	2462	15.72	16.50	No
	802.11n(HT40)	3	2422	16.51	17.50	No
		4	2427	16.56	17.50	No
		6	2437	16.50	17.50	No
		8	2447	16.43	17.50	No
		9	2452	14.63	15.50	No
	802.11ac(VHT20)	1	2412	16.54	17.50	No
		2	2417	16.40	17.50	No
		6	2437	16.66	17.50	No
		10	2457	16.29	17.50	No
		11	2462	15.41	16.50	No
	802.11ac(VHT40)	3	2422	16.52	17.50	No
		4	2427	16.45	17.50	No
		6	2437	16.48	17.50	No
		8	2447	16.59	17.50	No
		9	2452	14.60	15.50	No
	802.11ax(HE20)	1	2412	16.64	17.50	No
		2	2417	16.50	17.50	No
		6	2437	16.54	17.50	No
		10	2457	16.53	17.50	No
		11	2462	15.66	16.50	No
	802.11ax(HE40)	3	2422	16.67	17.50	No
		4	2427	16.49	17.50	No
		6	2437	16.59	17.50	No

		8	2447	16.54	17.50	No
		9	2452	14.41	15.50	No

8.9.13 Power Reduced Level 4-ANT2&7 of 2.4G WIFI (Sensor on)

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	19.17	20.00	No
		2	2417	21.01	22.00	Yes
		6	2437	20.86	22.00	No
		10	2457	20.96	22.00	No
		11	2462	15.45	16.50	No
	802.11g	1	2412	19.00	20.00	No
		2	2417	20.88	22.00	No
		6	2437	20.87	22.00	No
		10	2457	21.02	22.00	No
		11	2462	15.57	16.50	No
	802.11n(HT20)	1	2412	19.17	20.00	No
		2	2417	21.11	22.00	No
		6	2437	20.83	22.00	No
		10	2457	21.03	22.00	No
		11	2462	15.69	16.50	No
	802.11n(HT40)	3	2422	18.02	19.00	No
		4	2427	20.96	22.00	No
		6	2437	21.03	22.00	No
		8	2447	21.01	22.00	No
		9	2452	14.62	15.50	No
	802.11ac(VHT20)	1	2412	19.05	20.00	No
		2	2417	21.14	22.00	No
		6	2437	20.98	22.00	No
		10	2457	21.05	22.00	No
		11	2462	15.39	16.50	No
	802.11ac(VHT40)	3	2422	18.16	19.00	No
		4	2427	21.13	22.00	No
		6	2437	21.18	22.00	No
		8	2447	20.97	22.00	No
		9	2452	14.52	15.50	No
	802.11ax(HE20)	1	2412	18.80	20.00	No
		2	2417	21.07	22.00	No
		6	2437	21.08	22.00	No
10		2457	20.87	22.00	No	
11		2462	15.55	16.50	No	

	802.11ax(HE40)	3	2422	17.88	19.00	No
		4	2427	21.14	22.00	No
		6	2437	21.09	22.00	No
		8	2447	20.88	22.00	No
		9	2452	14.50	15.50	No

8.9.14 Power Reduced Level 4-ANT2&7 of 2.4G WIFI (Sensor off)

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	19.17	20.00	No
		2	2417	21.01	22.00	Yes
		6	2437	20.86	22.00	No
		10	2457	20.96	22.00	No
		11	2462	15.45	16.50	No
	802.11g	1	2412	19.00	20.00	No
		2	2417	20.88	22.00	No
		6	2437	20.87	22.00	No
		10	2457	21.02	22.00	No
		11	2462	15.57	16.50	No
	802.11n(HT20)	1	2412	19.17	20.00	No
		2	2417	21.11	22.00	No
		6	2437	20.83	22.00	No
		10	2457	21.03	22.00	No
		11	2462	15.69	16.50	No
	802.11n(HT40)	3	2422	18.02	19.00	No
		4	2427	20.96	22.00	No
		6	2437	21.03	22.00	No
		8	2447	21.01	22.00	No
		9	2452	14.62	15.50	No
	802.11ac(VHT20)	1	2412	19.05	20.00	No
		2	2417	21.14	22.00	No
		6	2437	20.98	22.00	No
		10	2457	21.05	22.00	No
		11	2462	15.39	16.50	No
	802.11ac(VHT40)	3	2422	18.16	19.00	No
		4	2427	21.13	22.00	No
		6	2437	21.18	22.00	No
		8	2447	20.97	22.00	No
		9	2452	14.52	15.50	No
	802.11ax(HE20)	1	2412	18.80	20.00	No
		2	2417	21.07	22.00	No

		6	2437	21.08	22.00	No
		10	2457	20.87	22.00	No
		11	2462	15.55	16.50	No
	802.11ax(HE40)	3	2422	17.88	19.00	No
		4	2427	21.14	22.00	No
		6	2437	21.09	22.00	No
		8	2447	20.88	22.00	No
		9	2452	14.50	15.50	No

8.9.15 Power Reduced Level 5-ANT2&7 of 2.4G WIFI

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	17.02	18.00	No
		2	2417	16.87	18.00	No
		6	2437	16.87	18.00	No
		10	2457	17.03	18.00	Yes
		11	2462	15.43	16.50	No
	802.11g	1	2412	16.91	18.00	No
		2	2417	16.88	18.00	No
		6	2437	17.02	18.00	No
		10	2457	16.86	18.00	No
		11	2462	15.51	16.50	No
	802.11n(HT20)	1	2412	17.02	18.00	No
		2	2417	16.93	18.00	No
		6	2437	16.94	18.00	No
		10	2457	17.11	18.00	No
		11	2462	15.39	16.50	No
	802.11n(HT40)	3	2422	17.15	18.00	No
		4	2427	17.08	18.00	No
		6	2437	17.00	18.00	No
		8	2447	17.09	18.00	No
		9	2452	14.47	15.50	No
	802.11ac(VHT20)	1	2412	17.05	18.00	No
		2	2417	17.15	18.00	No
		6	2437	17.16	18.00	No
		10	2457	17.11	18.00	No
		11	2462	15.44	16.50	No
	802.11ac(VHT40)	3	2422	16.95	18.00	No
		4	2427	16.99	18.00	No
		6	2437	17.18	18.00	No
		8	2447	16.90	18.00	No

		9	2452	14.59	15.50	No
	802.11ax(HE20)	1	2412	17.02	18.00	No
		2	2417	16.91	18.00	No
		6	2437	16.80	18.00	No
		10	2457	17.10	18.00	No
		11	2462	15.43	16.50	No
	802.11ax(HE40)	3	2422	16.83	18.00	No
		4	2427	16.85	18.00	No
		6	2437	16.94	18.00	No
		8	2447	17.02	18.00	No
		9	2452	14.58	15.50	No

8.9.16 Power Reduced Level 1-ANT2 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.24	14.00	No
		40	5200	13.06	14.00	No
		44	5220	13.21	14.00	No
		48	5240	12.77	14.00	No
	802.11n(HT20)	36	5180	13.01	14.00	No
		40	5200	12.86	14.00	No
		44	5220	13.21	14.00	No
		48	5240	13.09	14.00	No
	802.11n(HT40)	38	5190	12.46	13.50	No
		46	5230	13.23	14.00	No
	802.11ac(VHT20)	36	5180	13.11	14.00	No
		40	5200	13.06	14.00	No
		44	5220	13.17	14.00	No
		48	5240	12.90	14.00	No
	802.11ac(VHT40)	38	5190	12.60	13.50	No
		46	5230	12.93	14.00	No
	802.11ac(VHT80)	42	5210	12.19	13.00	No
	802.11ax(HE20)	36	5180	12.95	14.00	No
		40	5200	12.78	14.00	No
		44	5220	13.14	14.00	No
48		5240	13.13	14.00	No	
802.11ax(HE40)	38	5190	12.72	13.50	No	
	46	5230	12.99	14.00	No	
802.11ax(HE80)	42	5210	12.24	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	12.90	14.00	No
		56	5280	12.87	14.00	No
		60	5300	12.83	14.00	No
		64	5320	12.95	14.00	No
	802.11n(HT20)	52	5260	13.02	14.00	No
		56	5280	12.79	14.00	No
		60	5300	12.76	14.00	No
		64	5320	12.92	14.00	No
	802.11n(HT40)	54	5270	12.96	14.00	No
		62	5310	13.14	14.00	Yes
	802.11ac(VHT20)	52	5260	12.96	14.00	No
		56	5280	12.93	14.00	No
		60	5300	13.20	14.00	No
		64	5320	12.92	14.00	No

	802.11ac(VHT40)	54	5270	13.07	14.00	No
		62	5310	12.83	14.00	No
	802.11ac(VHT80)	58	5290	11.47	12.50	No
	802.11ax(HE20)	52	5260	13.18	14.00	No
		56	5280	12.92	14.00	No
		60	5300	12.92	14.00	No
	802.11ax(HE40)	64	5320	13.06	14.00	No
		54	5270	12.98	14.00	No
		62	5310	13.07	14.00	No
	802.11ax(HE80)	58	5290	11.57	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	13.23	14.00	No
		104	5520	12.86	14.00	No
		108	5540	12.84	14.00	No
		112	5560	13.07	14.00	No
		116	5580	12.88	14.00	No
		120	5600	12.87	14.00	No
		124	5620	12.90	14.00	No
		128	5640	13.03	14.00	No
		132	5660	12.82	14.00	No
		136	5680	12.88	14.00	No
	140	5700	12.99	14.00	No	
	802.11n(HT20)	100	5500	13.15	14.00	No
		104	5520	12.92	14.00	No
		108	5540	12.96	14.00	No
		112	5560	13.15	14.00	No
		116	5580	13.15	14.00	No
		120	5600	12.96	14.00	No
		124	5620	12.77	14.00	No
		128	5640	13.02	14.00	No
		132	5660	12.97	14.00	No
		136	5680	13.21	14.00	No
	140	5700	12.90	14.00	No	
	802.11n(HT40)	102	5510	5.85	7.00	No
		110	5550	13.09	14.00	No
		118	5590	12.94	14.00	No
		126	5630	13.11	14.00	Yes
		134	5670	11.36	12.50	No
	802.11ac(VHT20)	100	5500	13.24	14.00	No
		104	5520	12.76	14.00	No
		108	5540	13.22	14.00	No
		112	5560	13.21	14.00	No

		116	5580	13.08	14.00	No	
		120	5600	12.87	14.00	No	
		124	5620	13.18	14.00	No	
		128	5640	13.20	14.00	No	
		132	5660	12.86	14.00	No	
		136	5680	12.78	14.00	No	
		140	5700	13.18	14.00	No	
	802.11ac(VHT40)	102	5510	6.03	7.00	No	
		110	5550	13.17	14.00	No	
		118	5590	13.18	14.00	No	
		126	5630	12.76	14.00	No	
		134	5670	11.29	12.50	No	
	802.11ac(VHT80)	106	5530	12.37	13.50	No	
		122	5610	12.50	13.50	No	
		138	5690	12.55	13.50	No	
	802.11ax(HE20)	100	5500	12.97	14.00	No	
		104	5520	12.88	14.00	No	
		108	5540	12.95	14.00	No	
		112	5560	13.21	14.00	No	
		116	5580	12.96	14.00	No	
		120	5600	12.98	14.00	No	
		124	5620	12.96	14.00	No	
		128	5640	13.17	14.00	No	
		132	5660	12.81	14.00	No	
		136	5680	12.80	14.00	No	
		140	5700	12.95	14.00	No	
	802.11ax(HE40)	102	5510	6.02	7.00	No	
		110	5550	13.10	14.00	No	
		118	5590	12.89	14.00	No	
		126	5630	12.90	14.00	No	
		134	5670	11.44	12.50	No	
		134	5670	13.02	14.00	No	
	802.11ax(HE80)	106	5530	12.44	13.50	No	
		122	5610	12.45	13.50	No	
		138	5690	12.38	13.50	No	
	5.8 (5.725~5.850)	802.11a	149	5745	13.09	14.00	No
			153	5765	12.78	14.00	No
			157	5785	12.99	14.00	No
			161	5805	13.00	14.00	No
			165	5825	13.10	14.00	No
		802.11n(HT20)	149	5745	13.09	14.00	No

		153	5765	13.22	14.00	No
		157	5785	12.92	14.00	No
		161	5805	12.75	14.00	No
		165	5825	12.86	14.00	No
	802.11n(HT40)	151	5755	13.02	14.00	Yes
		159	5795	12.83	14.00	No
	802.11ac(VHT20)	149	5745	13.03	14.00	No
		153	5765	13.23	14.00	No
		157	5785	13.24	14.00	No
		161	5805	12.78	14.00	No
		165	5825	12.98	14.00	No
	802.11ac(VHT40)	151	5755	12.77	14.00	No
		159	5795	13.10	14.00	No
	802.11ac(VHT80)	155	5775	12.72	13.50	No
	802.11ax(HE20)	149	5745	12.98	14.00	No
		153	5765	12.99	14.00	No
		157	5785	12.93	14.00	No
		161	5805	13.07	14.00	No
		165	5825	13.19	14.00	No
	802.11ax(HE40)	151	5755	13.11	14.00	No
159		5795	13.06	14.00	No	
802.11ax(HE80)	155	5775	12.44	13.50	No	

8.9.17 Power Reduced Level 2-ANT2 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	9.39	10.50	No
		40	5200	9.25	10.50	No
		44	5220	9.38	10.50	No
		48	5240	9.38	10.50	No
	802.11n(HT20)	36	5180	9.61	10.50	No
		40	5200	9.28	10.50	No
		44	5220	9.31	10.50	No
		48	5240	9.36	10.50	No
	802.11n(HT40)	38	5190	8.69	10.50	No
		46	5230	9.05	10.50	No
	802.11ac(VHT20)	36	5180	9.66	10.50	No
		40	5200	9.31	10.50	No
		44	5220	9.65	10.50	No
		48	5240	9.44	10.50	No
	802.11ac(VHT40)	38	5190	9.71	10.50	No
		46	5230	9.53	10.50	No
	802.11ac(VHT80)	42	5210	9.31	10.00	No
	802.11ax(HE20)	36	5180	9.72	10.50	No
		40	5200	9.65	10.50	No
		44	5220	9.74	10.50	No
48		5240	9.53	10.50	No	
802.11ax(HE40)	38	5190	9.54	10.50	No	
	46	5230	9.60	10.50	No	
802.11ax(HE80)	42	5210	9.60	10.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	9.64	10.50	No
		56	5280	9.32	10.50	No
		60	5300	9.58	10.50	No
		64	5320	9.38	10.50	No
	802.11n(HT20)	52	5260	9.25	10.50	No
		56	5280	9.71	10.50	No
		60	5300	9.46	10.50	No
		64	5320	9.55	10.50	No
	802.11n(HT40)	54	5270	8.91	10.50	No
		62	5310	9.15	10.50	Yes
	802.11ac(VHT20)	52	5260	9.62	10.50	No
		56	5280	9.43	10.50	No
		60	5300	9.69	10.50	No
		64	5320	9.60	10.50	No

	802.11ac(VHT40)	54	5270	9.32	10.50	No
		62	5310	9.39	10.50	No
	802.11ac(VHT80)	58	5290	9.54	10.00	No
	802.11ax(HE20)	52	5260	9.74	10.50	No
		56	5280	9.46	10.50	No
		60	5300	9.34	10.50	No
	802.11ax(HE40)	64	5320	9.27	10.50	No
		54	5270	9.51	10.50	No
		62	5310	9.51	10.50	No
	802.11ax(HE80)	58	5290	9.57	10.00	No
5.6 (5.47~5.725)	802.11a	100	5500	9.31	10.50	No
		104	5520	9.59	10.50	No
		108	5540	9.47	10.50	No
		112	5560	9.58	10.50	No
		116	5580	9.32	10.50	No
		120	5600	9.51	10.50	No
		124	5620	9.44	10.50	No
		128	5640	9.29	10.50	No
		132	5660	9.34	10.50	No
		136	5680	9.39	10.50	No
	140	5700	9.35	10.50	No	
	802.11n(HT20)	100	5500	9.31	10.50	No
		104	5520	9.48	10.50	No
		108	5540	9.72	10.50	No
		112	5560	9.48	10.50	No
		116	5580	9.63	10.50	No
		120	5600	9.64	10.50	No
		124	5620	9.59	10.50	No
		128	5640	9.41	10.50	No
		132	5660	9.39	10.50	No
		136	5680	9.36	10.50	No
	140	5700	9.55	10.50	No	
	802.11n(HT40)	102	5510	5.76	7.00	No
		110	5550	9.48	10.50	No
		118	5590	9.61	10.50	No
		126	5630	9.61	10.50	Yes
		134	5670	9.48	10.50	No
	802.11ac(VHT20)	100	5500	9.47	10.50	No
		104	5520	9.42	10.50	No
		108	5540	9.35	10.50	No
		112	5560	9.27	10.50	No

		116	5580	9.65	10.50	No	
		120	5600	9.43	10.50	No	
		124	5620	9.62	10.50	No	
		128	5640	9.47	10.50	No	
		132	5660	9.70	10.50	No	
		136	5680	9.44	10.50	No	
		140	5700	9.55	10.50	No	
	802.11ac(VHT40)	102	5510	6.09	7.00	No	
		110	5550	9.74	10.50	No	
		118	5590	9.43	10.50	No	
		126	5630	9.40	10.50	No	
		134	5670	9.60	10.50	No	
	802.11ac(VHT80)	106	5530	9.62	10.00	No	
		122	5610	9.51	10.00	No	
		138	5690	9.34	10.00	No	
	802.11ax(HE20)	100	5500	9.53	10.50	No	
		104	5520	9.36	10.50	No	
		108	5540	9.34	10.50	No	
		112	5560	9.52	10.50	No	
		116	5580	9.62	10.50	No	
		120	5600	9.68	10.50	No	
		124	5620	9.40	10.50	No	
		128	5640	9.32	10.50	No	
		132	5660	9.52	10.50	No	
		136	5680	9.25	10.50	No	
		140	5700	9.73	10.50	No	
	802.11ax(HE40)	102	5510	6.02	7.00	No	
		110	5550	9.47	10.50	No	
		118	5590	9.43	10.50	No	
		126	5630	9.49	10.50	No	
		134	5670	9.62	10.50	No	
		134	5670	9.54	10.50	No	
	802.11ax(HE80)	106	5530	9.65	10.00	No	
		122	5610	9.35	10.00	No	
		138	5690	9.71	10.00	No	
	5.8 (5.725~5.850)	802.11a	149	5745	9.53	10.50	No
			153	5765	9.56	10.50	No
			157	5785	9.60	10.50	No
			161	5805	9.58	10.50	No
			165	5825	9.61	10.50	No
		802.11n(HT20)	149	5745	9.30	10.50	No

		153	5765	9.26	10.50	No
		157	5785	9.69	10.50	No
		161	5805	9.63	10.50	No
		165	5825	9.63	10.50	No
	802.11n(HT40)	151	5755	9.45	10.50	No
		159	5795	9.48	10.50	Yes
	802.11ac(VHT20)	149	5745	9.40	10.50	No
		153	5765	9.58	10.50	No
		157	5785	9.43	10.50	No
		161	5805	9.51	10.50	No
		165	5825	9.34	10.50	No
	802.11ac(VHT40)	151	5755	9.57	10.50	No
		159	5795	9.45	10.50	No
	802.11ac(VHT80)	155	5775	9.68	10.00	No
	802.11ax(HE20)	149	5745	9.42	10.50	No
		153	5765	9.73	10.50	No
		157	5785	9.39	10.50	No
		161	5805	9.65	10.50	No
		165	5825	9.70	10.50	No
	802.11ax(HE40)	151	5755	9.64	10.50	No
		159	5795	9.28	10.50	No
	802.11ax(HE80)	155	5775	9.45	10.00	No

8.9.18 Power Reduced Level 3-ANT2 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	9.39	10.50	No
		40	5200	9.25	10.50	No
		44	5220	9.38	10.50	No
		48	5240	9.38	10.50	No
	802.11n(HT20)	36	5180	9.61	10.50	No
		40	5200	9.28	10.50	No
		44	5220	9.31	10.50	No
		48	5240	9.36	10.50	No
	802.11n(HT40)	38	5190	8.69	10.50	No
		46	5230	9.05	10.50	No
	802.11ac(VHT20)	36	5180	9.66	10.50	No
		40	5200	9.31	10.50	No
		44	5220	9.65	10.50	No
		48	5240	9.44	10.50	No
	802.11ac(VHT40)	38	5190	9.71	10.50	No
		46	5230	9.53	10.50	No
	802.11ac(VHT80)	42	5210	9.31	10.00	No
	802.11ax(HE20)	36	5180	9.72	10.50	No
		40	5200	9.65	10.50	No
		44	5220	9.74	10.50	No
48		5240	9.53	10.50	No	
802.11ax(HE40)	38	5190	9.54	10.50	No	
	46	5230	9.60	10.50	No	
802.11ax(HE80)	42	5210	9.60	10.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	9.64	10.50	No
		56	5280	9.32	10.50	No
		60	5300	9.58	10.50	No
		64	5320	9.38	10.50	No
	802.11n(HT20)	52	5260	9.25	10.50	No
		56	5280	9.71	10.50	No
		60	5300	9.46	10.50	No
		64	5320	9.55	10.50	No
	802.11n(HT40)	54	5270	8.91	10.50	No
		62	5310	9.15	10.50	Yes
	802.11ac(VHT20)	52	5260	9.62	10.50	No
		56	5280	9.43	10.50	No
		60	5300	9.69	10.50	No
		64	5320	9.60	10.50	No

	802.11ac(VHT40)	54	5270	9.32	10.50	No
		62	5310	9.39	10.50	No
	802.11ac(VHT80)	58	5290	9.54	10.00	No
	802.11ax(HE20)	52	5260	9.74	10.50	No
		56	5280	9.46	10.50	No
		60	5300	9.34	10.50	No
	802.11ax(HE40)	64	5320	9.27	10.50	No
		54	5270	9.51	10.50	No
		62	5310	9.51	10.50	No
	802.11ax(HE80)	58	5290	9.57	10.00	No
5.6 (5.47~5.725)	802.11a	100	5500	9.31	10.50	No
		104	5520	9.59	10.50	No
		108	5540	9.47	10.50	No
		112	5560	9.58	10.50	No
		116	5580	9.32	10.50	No
		120	5600	9.51	10.50	No
		124	5620	9.44	10.50	No
		128	5640	9.29	10.50	No
		132	5660	9.34	10.50	No
		136	5680	9.39	10.50	No
	140	5700	9.35	10.50	No	
	802.11n(HT20)	100	5500	9.31	10.50	No
		104	5520	9.48	10.50	No
		108	5540	9.72	10.50	No
		112	5560	9.48	10.50	No
		116	5580	9.63	10.50	No
		120	5600	9.64	10.50	No
		124	5620	9.59	10.50	No
		128	5640	9.41	10.50	No
		132	5660	9.39	10.50	No
		136	5680	9.36	10.50	No
	140	5700	9.55	10.50	No	
	802.11n(HT40)	102	5510	5.76	7.00	No
		110	5550	9.48	10.50	No
		118	5590	9.61	10.50	No
		126	5630	9.61	10.50	Yes
		134	5670	9.48	10.50	No
	802.11ac(VHT20)	100	5500	9.47	10.50	No
		104	5520	9.42	10.50	No
		108	5540	9.35	10.50	No
		112	5560	9.27	10.50	No

		116	5580	9.65	10.50	No	
		120	5600	9.43	10.50	No	
		124	5620	9.62	10.50	No	
		128	5640	9.47	10.50	No	
		132	5660	9.70	10.50	No	
		136	5680	9.44	10.50	No	
		140	5700	9.55	10.50	No	
	802.11ac(VHT40)	102	5510	6.09	7.00	No	
		110	5550	9.74	10.50	No	
		118	5590	9.43	10.50	No	
		126	5630	9.40	10.50	No	
		134	5670	9.60	10.50	No	
	802.11ac(VHT80)	106	5530	9.62	10.00	No	
		122	5610	9.51	10.00	No	
		138	5690	9.34	10.00	No	
	802.11ax(HE20)	100	5500	9.53	10.50	No	
		104	5520	9.36	10.50	No	
		108	5540	9.34	10.50	No	
		112	5560	9.52	10.50	No	
		116	5580	9.62	10.50	No	
		120	5600	9.68	10.50	No	
		124	5620	9.40	10.50	No	
		128	5640	9.32	10.50	No	
		132	5660	9.52	10.50	No	
		136	5680	9.25	10.50	No	
		140	5700	9.73	10.50	No	
	802.11ax(HE40)	102	5510	6.02	7.00	No	
		110	5550	9.47	10.50	No	
		118	5590	9.43	10.50	No	
		126	5630	9.49	10.50	No	
		134	5670	9.62	10.50	No	
		134	5670	9.54	10.50	No	
	802.11ax(HE80)	106	5530	9.65	10.00	No	
		122	5610	9.35	10.00	No	
		138	5690	9.71	10.00	No	
	5.8 (5.725~5.850)	802.11a	149	5745	9.53	10.50	No
			153	5765	9.56	10.50	No
			157	5785	9.60	10.50	No
			161	5805	9.58	10.50	No
			165	5825	9.61	10.50	No
		802.11n(HT20)	149	5745	9.30	10.50	No

		153	5765	9.26	10.50	No
		157	5785	9.69	10.50	No
		161	5805	9.63	10.50	No
		165	5825	9.63	10.50	No
	802.11n(HT40)	151	5755	9.45	10.50	No
		159	5795	9.48	10.50	Yes
	802.11ac(VHT20)	149	5745	9.40	10.50	No
		153	5765	9.58	10.50	No
		157	5785	9.43	10.50	No
		161	5805	9.51	10.50	No
		165	5825	9.34	10.50	No
	802.11ac(VHT40)	151	5755	9.57	10.50	No
		159	5795	9.45	10.50	No
	802.11ac(VHT80)	155	5775	9.68	10.00	No
	802.11ax(HE20)	149	5745	9.42	10.50	No
		153	5765	9.73	10.50	No
		157	5785	9.39	10.50	No
		161	5805	9.65	10.50	No
		165	5825	9.70	10.50	No
	802.11ax(HE40)	151	5755	9.64	10.50	No
		159	5795	9.28	10.50	No
	802.11ax(HE80)	155	5775	9.45	10.00	No

8.9.19 Power Reduced Level 4-ANT2 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	16.08	17.00	No
		40	5200	18.54	19.50	No
		44	5220	18.25	19.50	No
		48	5240	18.33	19.50	No
	802.11n(HT20)	36	5180	16.05	17.00	No
		40	5200	18.45	19.50	No
		44	5220	18.50	19.50	No
		48	5240	18.53	19.50	No
	802.11n(HT40)	38	5190	11.84	13.50	No
		46	5230	18.11	19.50	No
	802.11ac(VHT20)	36	5180	15.82	17.00	No
		40	5200	18.34	19.50	No
		44	5220	18.52	19.50	No
		48	5240	18.74	19.50	No
	802.11ac(VHT40)	38	5190	12.37	13.50	No
		46	5230	18.49	19.50	No
	802.11ac(VHT80)	42	5210	11.76	13.00	No
	802.11ax(HE20)	36	5180	15.93	17.00	No
		40	5200	18.47	19.50	No
		44	5220	18.47	19.50	No
48		5240	18.45	19.50	No	
802.11ax(HE40)	38	5190	12.32	13.50	No	
	46	5230	18.35	19.50	No	
802.11ax(HE80)	42	5210	12.11	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	18.51	19.50	No
		56	5280	18.53	19.50	No
		60	5300	18.64	19.50	No
		64	5320	14.12	15.00	No
	802.11n(HT20)	52	5260	18.33	19.50	No
		56	5280	18.58	19.50	No
		60	5300	18.31	19.50	No
		64	5320	13.90	15.00	No
	802.11n(HT40)	54	5270	18.01	19.50	Yes
		62	5310	12.30	14.00	No
	802.11ac(VHT20)	52	5260	18.55	19.50	No
		56	5280	18.48	19.50	No
		60	5300	18.50	19.50	No
		64	5320	14.03	15.00	No

	802.11ac(VHT40)	54	5270	18.52	19.50	No
		62	5310	13.08	14.00	No
	802.11ac(VHT80)	58	5290	11.53	12.50	No
	802.11ax(HE20)	52	5260	18.44	19.50	No
		56	5280	18.66	19.50	No
		60	5300	18.65	19.50	No
	802.11ax(HE40)	64	5320	13.95	15.00	No
		54	5270	18.28	19.50	No
	802.11ax(HE80)	62	5310	13.08	14.00	No
		58	5290	11.36	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	16.21	17.00	No
		104	5520	18.40	19.50	No
		108	5540	18.50	19.50	No
		112	5560	18.31	19.50	No
		116	5580	18.67	19.50	No
		120	5600	18.32	19.50	No
		124	5620	18.27	19.50	No
		128	5640	18.40	19.50	No
		132	5660	18.67	19.50	No
		136	5680	18.34	19.50	No
	140	5700	16.66	17.50	No	
	802.11n(HT20)	100	5500	16.23	17.00	No
		104	5520	18.28	19.50	No
		108	5540	18.38	19.50	No
		112	5560	18.34	19.50	No
		116	5580	18.25	19.50	No
		120	5600	18.68	19.50	No
		124	5620	18.45	19.50	No
		128	5640	18.55	19.50	No
		132	5660	18.62	19.50	No
		136	5680	18.32	19.50	No
	140	5700	16.49	17.50	No	
	802.11n(HT40)	102	5510	6.03	7.00	No
		110	5550	17.98	19.50	Yes
		118	5590	18.06	19.50	No
		126	5630	18.00	19.50	No
		134	5670	11.06	12.50	No
	802.11ac(VHT20)	100	5500	16.23	17.00	No
		104	5520	18.69	19.50	No
		108	5540	18.32	19.50	No
		112	5560	18.48	19.50	No

		116	5580	18.46	19.50	No	
		120	5600	18.26	19.50	No	
		124	5620	18.49	19.50	No	
		128	5640	18.70	19.50	No	
		132	5660	18.46	19.50	No	
		136	5680	18.26	19.50	No	
		140	5700	16.72	17.50	No	
	802.11ac(VHT40)	102	5510	6.01	7.00	No	
		110	5550	18.59	19.50	No	
		118	5590	18.52	19.50	No	
		126	5630	18.26	19.50	No	
		134	5670	11.68	12.50	No	
	802.11ac(VHT80)	106	5530	12.72	13.50	No	
		122	5610	17.68	18.50	No	
		138	5690	17.68	18.50	No	
	802.11ax(HE20)	100	5500	15.87	17.00	No	
		104	5520	18.58	19.50	No	
		108	5540	18.39	19.50	No	
		112	5560	18.46	19.50	No	
		116	5580	18.73	19.50	No	
		120	5600	18.68	19.50	No	
		124	5620	18.33	19.50	No	
		128	5640	18.31	19.50	No	
		132	5660	18.48	19.50	No	
		136	5680	18.72	19.50	No	
		140	5700	16.32	17.50	No	
	802.11ax(HE40)	102	5510	6.02	7.00	No	
		110	5550	18.52	19.50	No	
		118	5590	18.52	19.50	No	
		126	5630	18.27	19.50	No	
		134	5670	11.63	12.50	No	
		134	5670	18.72	19.50	No	
	802.11ax(HE80)	106	5530	12.35	13.50	No	
		122	5610	17.61	18.50	No	
		138	5690	17.61	18.50	No	
	5.8 (5.725~5.850)	802.11a	149	5745	18.43	19.50	No
			153	5765	18.63	19.50	No
			157	5785	18.61	19.50	No
			161	5805	18.44	19.50	No
			165	5825	18.66	19.50	No
		802.11n(HT20)	149	5745	18.55	19.50	No

		153	5765	18.48	19.50	No
		157	5785	18.32	19.50	No
		161	5805	18.62	19.50	No
		165	5825	18.74	19.50	No
	802.11n(HT40)	151	5755	16.01	18.00	No
		159	5795	18.03	19.50	Yes
	802.11ac(VHT20)	149	5745	18.48	19.50	No
		153	5765	18.42	19.50	No
		157	5785	18.31	19.50	No
		161	5805	18.32	19.50	No
		165	5825	18.62	19.50	No
	802.11ac(VHT40)	151	5755	18.58	19.50	No
		159	5795	18.60	19.50	No
	802.11ac(VHT80)	155	5775	17.60	18.50	No
	802.11ax(HE20)	149	5745	18.66	19.50	No
		153	5765	18.53	19.50	No
		157	5785	18.67	19.50	No
		161	5805	18.25	19.50	No
		165	5825	18.54	19.50	No
	802.11ax(HE40)	151	5755	18.35	19.50	No
159		5795	18.71	19.50	No	
802.11ax(HE80)	155	5775	17.59	18.50	No	

8.9.20 Power Reduced Level 5-ANT2 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.24	14.00	No
		40	5200	13.06	14.00	No
		44	5220	13.21	14.00	No
		48	5240	12.77	14.00	No
	802.11n(HT20)	36	5180	13.01	14.00	No
		40	5200	12.86	14.00	No
		44	5220	13.21	14.00	No
		48	5240	13.09	14.00	No
	802.11n(HT40)	38	5190	12.46	13.50	No
		46	5230	13.23	14.00	Yes
	802.11ac(VHT20)	36	5180	13.11	14.00	No
		40	5200	13.06	14.00	No
		44	5220	13.17	14.00	No
		48	5240	12.90	14.00	No
	802.11ac(VHT40)	38	5190	12.60	13.50	No
		46	5230	12.93	14.00	No
	802.11ac(VHT80)	42	5210	12.19	13.00	No
	802.11ax(HE20)	36	5180	12.95	14.00	No
		40	5200	12.78	14.00	No
		44	5220	13.14	14.00	No
48		5240	13.13	14.00	No	
802.11ax(HE40)	38	5190	12.72	13.50	No	
	46	5230	12.99	14.00	No	
802.11ax(HE80)	42	5210	12.24	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	12.90	14.00	No
		56	5280	12.87	14.00	No
		60	5300	12.83	14.00	No
		64	5320	12.95	14.00	No
	802.11n(HT20)	52	5260	13.02	14.00	No
		56	5280	12.79	14.00	No
		60	5300	12.76	14.00	No
		64	5320	12.92	14.00	No
	802.11n(HT40)	54	5270	12.96	14.00	No
		62	5310	13.14	14.00	No
	802.11ac(VHT20)	52	5260	12.96	14.00	No
		56	5280	12.93	14.00	No
		60	5300	13.20	14.00	No
		64	5320	12.92	14.00	No

	802.11ac(VHT40)	54	5270	13.07	14.00	No
		62	5310	12.83	14.00	No
	802.11ac(VHT80)	58	5290	11.47	12.50	No
	802.11ax(HE20)	52	5260	13.18	14.00	No
		56	5280	12.92	14.00	No
		60	5300	12.92	14.00	No
	802.11ax(HE40)	64	5320	13.06	14.00	No
		54	5270	12.98	14.00	No
		62	5310	13.07	14.00	No
	802.11ax(HE80)	58	5290	11.57	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	13.23	14.00	No
		104	5520	12.86	14.00	No
		108	5540	12.84	14.00	No
		112	5560	13.07	14.00	No
		116	5580	12.88	14.00	No
		120	5600	12.87	14.00	No
		124	5620	12.90	14.00	No
		128	5640	13.03	14.00	No
		132	5660	12.82	14.00	No
		136	5680	12.88	14.00	No
	140	5700	12.99	14.00	No	
	802.11n(HT20)	100	5500	13.15	14.00	No
		104	5520	12.92	14.00	No
		108	5540	12.96	14.00	No
		112	5560	13.15	14.00	No
		116	5580	13.15	14.00	No
		120	5600	12.96	14.00	No
		124	5620	12.77	14.00	No
		128	5640	13.02	14.00	No
		132	5660	12.97	14.00	No
		136	5680	13.21	14.00	No
	140	5700	12.90	14.00	No	
	802.11n(HT40)	102	5510	5.85	7.00	No
		110	5550	13.09	14.00	No
		118	5590	12.94	14.00	No
		126	5630	13.11	14.00	No
		134	5670	11.36	12.50	No
	802.11ac(VHT20)	100	5500	13.24	14.00	No
		104	5520	12.76	14.00	No
		108	5540	13.22	14.00	No
		112	5560	13.21	14.00	No

		116	5580	13.08	14.00	No	
		120	5600	12.87	14.00	No	
		124	5620	13.18	14.00	No	
		128	5640	13.20	14.00	No	
		132	5660	12.86	14.00	No	
		136	5680	12.78	14.00	No	
		140	5700	13.18	14.00	No	
	802.11ac(VHT40)	102	5510	6.03	7.00	No	
		110	5550	13.17	14.00	No	
		118	5590	13.18	14.00	No	
		126	5630	12.76	14.00	No	
		134	5670	11.29	12.50	No	
	802.11ac(VHT80)	106	5530	12.37	13.50	No	
		122	5610	12.50	13.50	No	
		138	5690	12.55	13.50	No	
	802.11ax(HE20)	100	5500	12.97	14.00	No	
		104	5520	12.88	14.00	No	
		108	5540	12.95	14.00	No	
		112	5560	13.21	14.00	No	
		116	5580	12.96	14.00	No	
		120	5600	12.98	14.00	No	
		124	5620	12.96	14.00	No	
		128	5640	13.17	14.00	No	
		132	5660	12.81	14.00	No	
		136	5680	12.80	14.00	No	
		140	5700	12.95	14.00	No	
	802.11ax(HE40)	102	5510	6.02	7.00	No	
		110	5550	13.10	14.00	No	
		118	5590	12.89	14.00	No	
		126	5630	12.90	14.00	No	
		134	5670	11.44	12.50	No	
		134	5670	13.02	14.00	No	
	802.11ax(HE80)	106	5530	12.44	13.50	No	
		122	5610	12.45	13.50	No	
		138	5690	12.38	13.50	No	
	5.8 (5.725~5.850)	802.11a	149	5745	13.09	14.00	No
			153	5765	12.78	14.00	No
			157	5785	12.99	14.00	No
			161	5805	13.00	14.00	No
			165	5825	13.10	14.00	No
		802.11n(HT20)	149	5745	13.09	14.00	No

		153	5765	13.22	14.00	No
		157	5785	12.92	14.00	No
		161	5805	12.75	14.00	No
		165	5825	12.86	14.00	No
	802.11n(HT40)	151	5755	13.02	14.00	Yes
		159	5795	12.83	14.00	No
	802.11ac(VHT20)	149	5745	13.03	14.00	No
		153	5765	13.23	14.00	No
		157	5785	13.24	14.00	No
		161	5805	12.78	14.00	No
		165	5825	12.98	14.00	No
	802.11ac(VHT40)	151	5755	12.77	14.00	No
		159	5795	13.10	14.00	No
	802.11ac(VHT80)	155	5775	12.72	13.50	No
	802.11ax(HE20)	149	5745	12.98	14.00	No
		153	5765	12.99	14.00	No
		157	5785	12.93	14.00	No
		161	5805	13.07	14.00	No
		165	5825	13.19	14.00	No
	802.11ax(HE40)	151	5755	13.11	14.00	No
		159	5795	13.06	14.00	No
	802.11ax(HE80)	155	5775	12.44	13.50	No

8.9.21 Power Reduced Level 6-ANT2 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	9.84	11.00	No
		40	5200	10.11	11.00	No
		44	5220	10.04	11.00	No
		48	5240	10.07	11.00	No
	802.11n(HT20)	36	5180	10.05	11.00	No
		40	5200	9.78	11.00	No
		44	5220	10.18	11.00	No
		48	5240	10.19	11.00	No
	802.11n(HT40)	38	5190	9.79	11.00	No
		46	5230	10.10	11.00	Yes
	802.11ac(VHT20)	36	5180	10.09	11.00	No
		40	5200	9.95	11.00	No
		44	5220	10.13	11.00	No
		48	5240	10.04	11.00	No
	802.11ac(VHT40)	38	5190	10.14	11.00	No
		46	5230	9.80	11.00	No
	802.11ac(VHT80)	42	5210	10.16	10.50	No
	802.11ax(HE20)	36	5180	10.03	11.00	No
		40	5200	9.90	11.00	No
		44	5220	9.87	11.00	No
48		5240	10.14	11.00	No	
802.11ax(HE40)	38	5190	9.97	11.00	No	
	46	5230	9.79	11.00	No	
802.11ax(HE80)	42	5210	10.20	10.50	No	
5.3 (5.25~5.35)	802.11a	52	5260	10.13	11.00	No
		56	5280	9.91	11.00	No
		60	5300	9.80	11.00	No
		64	5320	10.17	11.00	No
	802.11n(HT20)	52	5260	10.12	11.00	No
		56	5280	9.80	11.00	No
		60	5300	9.94	11.00	No
		64	5320	9.95	11.00	No
	802.11n(HT40)	54	5270	10.04	11.00	No
		62	5310	9.19	11.00	No
	802.11ac(VHT20)	52	5260	10.13	11.00	No
		56	5280	10.09	11.00	No
		60	5300	9.92	11.00	No
		64	5320	10.22	11.00	No

	802.11ac(VHT40)	54	5270	10.04	11.00	No	
		62	5310	9.75	11.00	No	
	802.11ac(VHT80)	58	5290	10.06	10.50	No	
	802.11ax(HE20)	52	5260	10.10	11.00	No	
		56	5280	10.02	11.00	No	
		60	5300	9.85	11.00	No	
	802.11ax(HE40)	64	5320	9.88	11.00	No	
		54	5270	9.82	11.00	No	
		62	5310	9.91	11.00	No	
	802.11ax(HE80)	58	5290	9.76	10.50	No	
5.6 (5.47~5.725)	802.11a	100	5500	10.01	11.00	No	
		104	5520	9.90	11.00	No	
		108	5540	10.16	11.00	No	
		112	5560	10.17	11.00	No	
		116	5580	10.01	11.00	No	
		120	5600	10.18	11.00	No	
		124	5620	10.07	11.00	No	
		128	5640	10.12	11.00	No	
		132	5660	10.24	11.00	No	
		136	5680	10.05	11.00	No	
	802.11n(HT20)	140	5700	9.89	11.00	No	
		100	5500	9.76	11.00	No	
		104	5520	9.90	11.00	No	
		108	5540	10.12	11.00	No	
		112	5560	9.87	11.00	No	
		116	5580	9.99	11.00	No	
		120	5600	9.98	11.00	No	
		124	5620	10.03	11.00	No	
		128	5640	9.77	11.00	No	
		132	5660	10.18	11.00	No	
	802.11n(HT40)	136	5680	9.76	11.00	No	
		140	5700	10.20	11.00	No	
		102	5510	6.08	7.00	No	
		110	5550	9.50	11.00	No	
		118	5590	9.62	11.00	No	
	802.11ac(VHT20)	126	5630	9.68	11.00	No	
		134	5670	9.47	11.00	No	
		100	5500	9.87	11.00	No	
		104	5520	10.18	11.00	No	
			108	5540	9.75	11.00	No
			112	5560	9.88	11.00	No

		116	5580	10.05	11.00	No
		120	5600	10.10	11.00	No
		124	5620	10.03	11.00	No
		128	5640	9.89	11.00	No
		132	5660	10.23	11.00	No
		136	5680	9.93	11.00	No
		140	5700	10.00	11.00	No
	802.11ac(VHT40)	102	5510	5.86	7.00	No
		110	5550	10.17	11.00	No
		118	5590	10.18	11.00	No
		126	5630	10.04	11.00	No
		134	5670	9.99	11.00	No
	802.11ac(VHT80)	106	5530	10.04	10.50	No
		122	5610	9.82	10.50	No
		138	5690	10.20	10.50	No
	802.11ax(HE20)	100	5500	9.94	11.00	No
		104	5520	10.04	11.00	No
		108	5540	10.03	11.00	No
		112	5560	9.76	11.00	No
		116	5580	9.88	11.00	No
		120	5600	9.79	11.00	No
		124	5620	9.98	11.00	No
		128	5640	10.22	11.00	No
		132	5660	10.10	11.00	No
		136	5680	10.20	11.00	No
		140	5700	10.23	11.00	No
	802.11ax(HE40)	102	5510	6.02	7.00	No
		110	5550	10.09	11.00	No
		118	5590	9.82	11.00	No
		126	5630	9.82	11.00	No
		134	5670	10.20	11.00	No
		134	5670	10.22	11.00	No
	802.11ax(HE80)	106	5530	10.02	10.50	No
		122	5610	10.08	10.50	No
		138	5690	10.21	10.50	No
	5.8 (5.725~5.850)	802.11a	149	5745	10.24	11.00
153			5765	9.94	11.00	No
157			5785	9.98	11.00	No
161			5805	10.15	11.00	No
165			5825	9.99	11.00	No
802.11n(HT20)		149	5745	9.81	11.00	No

		153	5765	10.22	11.00	No
		157	5785	9.78	11.00	No
		161	5805	10.12	11.00	No
		165	5825	9.94	11.00	No
	802.11n(HT40)	151	5755	9.54	11.00	Yes
		159	5795	9.48	11.00	No
	802.11ac(VHT20)	149	5745	9.97	11.00	No
		153	5765	10.02	11.00	No
		157	5785	10.24	11.00	No
		161	5805	9.84	11.00	No
		165	5825	10.08	11.00	No
	802.11ac(VHT40)	151	5755	9.86	11.00	No
		159	5795	9.87	11.00	No
	802.11ac(VHT80)	155	5775	10.18	10.50	No
	802.11ax(HE20)	149	5745	9.91	11.00	No
		153	5765	10.11	11.00	No
		157	5785	10.23	11.00	No
		161	5805	10.21	11.00	No
		165	5825	10.19	11.00	No
	802.11ax(HE40)	151	5755	10.15	11.00	No
		159	5795	10.11	11.00	No
	802.11ax(HE80)	155	5775	9.84	10.50	No

8.9.22 Power Reduced Level 1-ANT8 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.18	14.00	No
		40	5200	12.85	14.00	No
		44	5220	12.85	14.00	No
		48	5240	13.08	14.00	No
	802.11n(HT20)	36	5180	13.23	14.00	No
		40	5200	13.16	14.00	No
		44	5220	13.10	14.00	No
		48	5240	13.02	14.00	No
	802.11n(HT40)	38	5190	12.57	13.50	No
		46	5230	12.99	14.00	No
	802.11ac(VHT20)	36	5180	13.15	14.00	No
		40	5200	13.13	14.00	No
		44	5220	12.97	14.00	No
		48	5240	12.79	14.00	No
	802.11ac(VHT40)	38	5190	12.51	13.50	No
		46	5230	13.01	14.00	No
	802.11ac(VHT80)	42	5210	11.76	13.00	No
	802.11ax(HE20)	36	5180	12.83	14.00	No
		40	5200	12.94	14.00	No
		44	5220	13.21	14.00	No
48		5240	13.13	14.00	No	
802.11ax(HE40)	38	5190	12.39	13.50	No	
	46	5230	12.99	14.00	No	
802.11ax(HE80)	42	5210	11.78	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	12.91	14.00	No
		56	5280	13.15	14.00	No
		60	5300	12.79	14.00	No
		64	5320	12.90	14.00	No
	802.11n(HT20)	52	5260	12.80	14.00	No
		56	5280	12.75	14.00	No
		60	5300	13.04	14.00	No
		64	5320	13.09	14.00	No
	802.11n(HT40)	54	5270	12.95	14.00	Yes
		62	5310	13.01	14.00	Yes
	802.11ac(VHT20)	52	5260	13.19	14.00	No
		56	5280	13.03	14.00	No
		60	5300	12.89	14.00	No
		64	5320	13.08	14.00	No

	802.11ac(VHT40)	54	5270	13.20	14.00	No
		62	5310	13.19	14.00	No
	802.11ac(VHT80)	58	5290	11.28	12.50	No
	802.11ax(HE20)	52	5260	12.90	14.00	No
		56	5280	13.08	14.00	No
		60	5300	13.05	14.00	No
	802.11ax(HE40)	64	5320	12.83	14.00	No
		54	5270	12.97	14.00	No
		62	5310	12.89	14.00	No
	802.11ax(HE80)	58	5290	11.53	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	13.24	14.00	No
		104	5520	13.06	14.00	No
		108	5540	13.20	14.00	No
		112	5560	12.91	14.00	No
		116	5580	12.85	14.00	No
		120	5600	13.07	14.00	No
		124	5620	13.18	14.00	No
		128	5640	12.96	14.00	No
		132	5660	12.95	14.00	No
		136	5680	12.88	14.00	No
	140	5700	12.83	14.00	No	
	802.11n(HT20)	100	5500	12.82	14.00	No
		104	5520	12.87	14.00	No
		108	5540	13.07	14.00	No
		112	5560	12.82	14.00	No
		116	5580	13.23	14.00	No
		120	5600	13.06	14.00	No
		124	5620	12.96	14.00	No
		128	5640	13.03	14.00	No
		132	5660	13.14	14.00	No
		136	5680	13.14	14.00	No
	140	5700	13.04	14.00	No	
	802.11n(HT40)	102	5510	5.93	7.00	No
		110	5550	13.10	14.00	No
		118	5590	13.18	14.00	Yes
		126	5630	12.97	14.00	No
		134	5670	11.62	12.50	No
	802.11ac(VHT20)	100	5500	12.86	14.00	No
		104	5520	13.04	14.00	No
		108	5540	12.78	14.00	No
		112	5560	13.19	14.00	No

		116	5580	12.99	14.00	No	
		120	5600	12.96	14.00	No	
		124	5620	12.86	14.00	No	
		128	5640	12.95	14.00	No	
		132	5660	12.75	14.00	No	
		136	5680	13.12	14.00	No	
		140	5700	12.98	14.00	No	
	802.11ac(VHT40)	102	5510	5.77	7.00	No	
		110	5550	12.93	14.00	No	
		118	5590	12.90	14.00	No	
		126	5630	12.93	14.00	No	
		134	5670	11.54	12.50	No	
	802.11ac(VHT80)	106	5530	12.32	13.50	No	
		122	5610	12.63	13.50	No	
		138	5690	12.50	13.50	No	
	802.11ax(HE20)	100	5500	13.13	14.00	No	
		104	5520	12.97	14.00	No	
		108	5540	12.98	14.00	No	
		112	5560	13.18	14.00	No	
		116	5580	13.19	14.00	No	
		120	5600	12.80	14.00	No	
		124	5620	12.91	14.00	No	
		128	5640	13.24	14.00	No	
		132	5660	12.98	14.00	No	
		136	5680	12.98	14.00	No	
		140	5700	12.94	14.00	No	
	802.11ax(HE40)	102	5510	5.85	7.00	No	
		110	5550	13.16	14.00	No	
		118	5590	12.95	14.00	No	
		126	5630	12.95	14.00	No	
		134	5670	11.73	12.50	No	
		134	5670	13.21	14.00	No	
	802.11ax(HE80)	106	5530	12.54	13.50	No	
		122	5610	12.62	13.50	No	
		138	5690	12.38	13.50	No	
	5.8 (5.725~5.850)	802.11a	149	5745	12.82	14.00	No
			153	5765	12.99	14.00	No
			157	5785	12.83	14.00	No
			161	5805	13.18	14.00	No
			165	5825	12.93	14.00	No
		802.11n(HT20)	149	5745	13.24	14.00	No

		153	5765	12.92	14.00	No
		157	5785	13.20	14.00	No
		161	5805	13.04	14.00	No
		165	5825	13.10	14.00	No
	802.11n(HT40)	151	5755	13.05	14.00	Yes
		159	5795	12.79	14.00	No
	802.11ac(VHT20)	149	5745	13.23	14.00	No
		153	5765	13.21	14.00	No
		157	5785	13.09	14.00	No
		161	5805	13.11	14.00	No
		165	5825	13.13	14.00	No
	802.11ac(VHT40)	151	5755	13.16	14.00	No
		159	5795	12.92	14.00	No
	802.11ac(VHT80)	155	5775	12.33	13.50	No
	802.11ax(HE20)	149	5745	12.92	14.00	No
		153	5765	12.81	14.00	No
		157	5785	13.00	14.00	No
		161	5805	12.92	14.00	No
		165	5825	12.85	14.00	No
	802.11ax(HE40)	151	5755	13.03	14.00	No
159		5795	12.89	14.00	No	
802.11ax(HE80)	155	5775	12.41	13.50	No	

8.9.23 Power Reduced Level 2-ANT8 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	9.32	10.50	No
		40	5200	9.73	10.50	No
		44	5220	9.74	10.50	No
		48	5240	9.46	10.50	No
	802.11n(HT20)	36	5180	9.49	10.50	No
		40	5200	9.64	10.50	No
		44	5220	9.28	10.50	No
		48	5240	9.58	10.50	No
	802.11n(HT40)	38	5190	9.07	10.50	No
		46	5230	9.16	10.50	No
	802.11ac(VHT20)	36	5180	9.25	10.50	No
		40	5200	9.53	10.50	No
		44	5220	9.56	10.50	No
		48	5240	9.34	10.50	No
	802.11ac(VHT40)	38	5190	9.67	10.50	No
		46	5230	9.35	10.50	No
	802.11ac(VHT80)	42	5210	9.28	10.00	No
	802.11ax(HE20)	36	5180	9.45	10.50	No
		40	5200	9.73	10.50	No
		44	5220	9.39	10.50	No
48		5240	9.43	10.50	No	
802.11ax(HE40)	38	5190	9.67	10.50	No	
	46	5230	9.31	10.50	No	
802.11ax(HE80)	42	5210	9.35	10.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	9.44	10.50	No
		56	5280	9.73	10.50	No
		60	5300	9.25	10.50	No
		64	5320	9.50	10.50	No
	802.11n(HT20)	52	5260	9.31	10.50	No
		56	5280	9.42	10.50	No
		60	5300	9.45	10.50	No
		64	5320	9.74	10.50	No
	802.11n(HT40)	54	5270	9.24	10.50	No
		62	5310	9.39	10.50	Yes
	802.11ac(VHT20)	52	5260	9.48	10.50	No
		56	5280	9.55	10.50	No
		60	5300	9.25	10.50	No
		64	5320	9.53	10.50	No

	802.11ac(VHT40)	54	5270	9.59	10.50	No
		62	5310	9.41	10.50	No
	802.11ac(VHT80)	58	5290	9.54	10.00	No
	802.11ax(HE20)	52	5260	9.25	10.50	No
		56	5280	9.57	10.50	No
		60	5300	9.51	10.50	No
	802.11ax(HE40)	64	5320	9.40	10.50	No
		54	5270	9.53	10.50	No
		62	5310	9.66	10.50	No
	802.11ax(HE80)	58	5290	9.30	10.00	No
5.6 (5.47~5.725)	802.11a	100	5500	9.25	10.50	No
		104	5520	9.32	10.50	No
		108	5540	9.37	10.50	No
		112	5560	9.52	10.50	No
		116	5580	9.44	10.50	No
		120	5600	9.65	10.50	No
		124	5620	9.68	10.50	No
		128	5640	9.45	10.50	No
		132	5660	9.54	10.50	No
		136	5680	9.34	10.50	No
	140	5700	9.26	10.50	No	
	802.11n(HT20)	100	5500	9.46	10.50	No
		104	5520	9.49	10.50	No
		108	5540	9.68	10.50	No
		112	5560	9.46	10.50	No
		116	5580	9.69	10.50	No
		120	5600	9.48	10.50	No
		124	5620	9.27	10.50	No
		128	5640	9.49	10.50	No
		132	5660	9.39	10.50	No
		136	5680	9.25	10.50	No
	140	5700	9.59	10.50	No	
	802.11n(HT40)	102	5510	6.02	7.00	No
		110	5550	8.95	10.50	No
		118	5590	8.90	10.50	No
		126	5630	8.97	10.50	Yes
		134	5670	9.12	10.50	No
	802.11ac(VHT20)	100	5500	9.48	10.50	No
		104	5520	9.38	10.50	No
		108	5540	9.53	10.50	No
		112	5560	9.29	10.50	No

		116	5580	9.46	10.50	No	
		120	5600	9.25	10.50	No	
		124	5620	9.59	10.50	No	
		128	5640	9.31	10.50	No	
		132	5660	9.39	10.50	No	
		136	5680	9.49	10.50	No	
		140	5700	9.57	10.50	No	
	802.11ac(VHT40)	102	5510	9.70	7.00	No	
		110	5550	9.54	10.50	No	
		118	5590	9.54	10.50	No	
		126	5630	9.43	10.50	No	
		134	5670	9.67	10.50	No	
	802.11ac(VHT80)	106	5530	9.59	10.00	No	
		122	5610	9.64	10.00	No	
		138	5690	9.64	10.00	No	
	802.11ax(HE20)	100	5500	9.55	10.50	No	
		104	5520	9.55	10.50	No	
		108	5540	9.71	10.50	No	
		112	5560	9.57	10.50	No	
		116	5580	9.44	10.50	No	
		120	5600	9.53	10.50	No	
		124	5620	9.55	10.50	No	
		128	5640	9.69	10.50	No	
		132	5660	9.60	10.50	No	
		136	5680	9.54	10.50	No	
		140	5700	9.51	10.50	No	
	802.11ax(HE40)	102	5510	9.32	7.00	No	
		110	5550	9.31	10.50	No	
		118	5590	9.52	10.50	No	
		126	5630	9.38	10.50	No	
		134	5670	9.52	10.50	No	
		134	5670	9.40	10.50	No	
	802.11ax(HE80)	106	5530	9.66	10.00	No	
		122	5610	9.26	10.00	No	
		138	5690	9.33	10.00	No	
	5.8 (5.725~5.850)	802.11a	149	5745	9.53	10.50	No
			153	5765	9.35	10.50	No
			157	5785	9.30	10.50	No
			161	5805	9.66	10.50	No
165			5825	9.69	10.50	No	
802.11n(HT20)		149	5745	9.33	10.50	No	

		153	5765	9.58	10.50	No
		157	5785	9.61	10.50	No
		161	5805	9.35	10.50	No
		165	5825	9.51	10.50	No
	802.11n(HT40)	151	5755	9.47	10.50	Yes
		159	5795	9.44	10.50	No
	802.11ac(VHT20)	149	5745	9.34	10.50	No
		153	5765	9.49	10.50	No
		157	5785	9.68	10.50	No
		161	5805	9.55	10.50	No
		165	5825	9.57	10.50	No
	802.11ac(VHT40)	151	5755	9.28	10.50	No
		159	5795	9.38	10.50	No
	802.11ac(VHT80)	155	5775	9.59	10.00	No
	802.11ax(HE20)	149	5745	9.68	10.50	No
		153	5765	9.47	10.50	No
		157	5785	9.53	10.50	No
		161	5805	9.72	10.50	No
		165	5825	9.42	10.50	No
	802.11ax(HE40)	151	5755	9.40	10.50	No
		159	5795	9.68	10.50	No
	802.11ax(HE80)	155	5775	9.48	10.00	No

8.9.24 Power Reduced Level 4-ANT8 of 5G WIFI (Sensor on)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.98	17.00	No
		40	5200	17.21	18.00	No
		44	5220	17.06	18.00	No
		48	5240	17.14	18.00	No
	802.11n(HT20)	36	5180	16.15	17.00	No
		40	5200	17.10	18.00	No
		44	5220	17.23	18.00	No
		48	5240	17.02	18.00	No
	802.11n(HT40)	38	5190	12.47	13.50	No
		46	5230	17.12	18.00	No
	802.11ac(VHT20)	36	5180	15.93	17.00	No
		40	5200	17.23	18.00	No
		44	5220	17.09	18.00	No
		48	5240	17.19	18.00	No
	802.11ac(VHT40)	38	5190	12.27	13.50	No
		46	5230	17.12	18.00	No
	802.11ac(VHT80)	42	5210	12.03	13.00	No
	802.11ax(HE20)	36	5180	15.98	17.00	No
		40	5200	16.95	18.00	No
		44	5220	17.12	18.00	No
48		5240	17.24	18.00	No	
802.11ax(HE40)	38	5190	12.46	13.50	No	
	46	5230	17.13	18.00	No	
802.11ax(HE80)	42	5210	12.04	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	17.13	18.00	No
		56	5280	17.05	18.00	No
		60	5300	16.79	18.00	No
		64	5320	13.81	15.00	No
	802.11n(HT20)	52	5260	17.19	18.00	No
		56	5280	17.16	18.00	No
		60	5300	16.91	18.00	No
		64	5320	14.01	15.00	No
	802.11n(HT40)	54	5270	16.79	18.00	Yes
		62	5310	12.83	14.00	No
	802.11ac(VHT20)	52	5260	16.85	18.00	No
		56	5280	16.75	18.00	No
		60	5300	17.16	18.00	No
		64	5320	13.87	15.00	No

	802.11ac(VHT40)	54	5270	16.91	18.00	No
		62	5310	13.13	14.00	No
	802.11ac(VHT80)	58	5290	11.30	12.50	No
	802.11ax(HE20)	52	5260	17.12	18.00	No
		56	5280	17.23	18.00	No
		60	5300	16.99	18.00	No
	802.11ax(HE40)	64	5320	14.13	15.00	No
		54	5270	17.10	18.00	No
		62	5310	12.84	14.00	No
	802.11ax(HE80)	58	5290	11.58	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	16.09	17.00	No
		104	5520	16.86	18.00	No
		108	5540	17.19	18.00	No
		112	5560	16.98	18.00	No
		116	5580	16.81	18.00	No
		120	5600	16.83	18.00	No
		124	5620	17.08	18.00	No
		128	5640	16.88	18.00	No
		132	5660	16.81	18.00	No
		136	5680	17.09	18.00	No
	140	5700	16.71	17.50	No	
	802.11n(HT20)	100	5500	16.14	17.00	No
		104	5520	16.83	18.00	No
		108	5540	17.17	18.00	No
		112	5560	17.02	18.00	No
		116	5580	16.76	18.00	No
		120	5600	17.14	18.00	No
		124	5620	17.06	18.00	No
		128	5640	16.84	18.00	No
		132	5660	16.81	18.00	No
		136	5680	17.19	18.00	No
	140	5700	16.62	17.50	No	
	802.11n(HT40)	102	5510	5.90	7.00	No
		110	5550	16.81	18.00	No
		118	5590	17.05	18.00	No
		126	5630	17.22	18.00	Yes
		134	5670	11.63	12.50	No
	802.11ac(VHT20)	100	5500	16.17	17.00	No
		104	5520	17.10	18.00	No
		108	5540	17.03	18.00	No
		112	5560	17.14	18.00	No

		116	5580	17.02	18.00	No	
		120	5600	17.10	18.00	No	
		124	5620	17.20	18.00	No	
		128	5640	16.90	18.00	No	
		132	5660	17.11	18.00	No	
		136	5680	16.78	18.00	No	
		140	5700	16.52	17.50	No	
	802.11ac(VHT40)	102	5510	6.00	7.00	No	
		110	5550	17.11	18.00	No	
		118	5590	17.09	18.00	No	
		126	5630	17.00	18.00	No	
		134	5670	11.50	12.50	No	
	802.11ac(VHT80)	106	5530	12.74	13.50	No	
		122	5610	17.24	18.00	No	
		138	5690	17.22	18.00	No	
	802.11ax(HE20)	100	5500	15.96	17.00	No	
		104	5520	17.09	18.00	No	
		108	5540	17.08	18.00	No	
		112	5560	16.96	18.00	No	
		116	5580	16.84	18.00	No	
		120	5600	17.04	18.00	No	
		124	5620	16.75	18.00	No	
		128	5640	17.06	18.00	No	
		132	5660	16.99	18.00	No	
		136	5680	16.93	18.00	No	
		140	5700	16.37	17.50	No	
	802.11ax(HE40)	102	5510	5.97	7.00	No	
		110	5550	16.78	18.00	No	
		118	5590	16.95	18.00	No	
		126	5630	17.20	18.00	No	
		134	5670	11.43	12.50	No	
		134	5670	17.19	18.00	No	
	802.11ax(HE80)	106	5530	12.61	13.50	No	
		122	5610	16.99	18.00	No	
		138	5690	17.14	18.00	No	
	5.8 (5.725~5.850)	802.11a	149	5745	17.24	18.00	No
			153	5765	16.98	18.00	No
			157	5785	16.94	18.00	No
			161	5805	16.81	18.00	No
			165	5825	17.05	18.00	No
		802.11n(HT20)	149	5745	17.00	18.00	No

		153	5765	16.91	18.00	No
		157	5785	17.03	18.00	No
		161	5805	16.91	18.00	No
		165	5825	17.17	18.00	No
	802.11n(HT40)	151	5755	16.94	18.00	No
		159	5795	16.98	18.00	Yes
	802.11ac(VHT20)	149	5745	16.91	18.00	No
		153	5765	16.88	18.00	No
		157	5785	16.75	18.00	No
		161	5805	17.17	18.00	No
		165	5825	16.90	18.00	No
	802.11ac(VHT40)	151	5755	17.11	18.00	No
		159	5795	16.88	18.00	No
	802.11ac(VHT80)	155	5775	17.20	18.00	No
	802.11ax(HE20)	149	5745	16.80	18.00	No
		153	5765	16.86	18.00	No
		157	5785	16.77	18.00	No
		161	5805	16.96	18.00	No
		165	5825	17.10	18.00	No
	802.11ax(HE40)	151	5755	17.09	18.00	No
		159	5795	16.91	18.00	No
	802.11ax(HE80)	155	5775	16.76	18.00	No

8.9.25 Power Reduced Level 4-ANT8 of 5G WIFI (Sensor off)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	16.08	17.00	No
		40	5200	18.54	19.50	No
		44	5220	18.25	19.50	No
		48	5240	18.33	19.50	No
	802.11n(HT20)	36	5180	16.05	17.00	No
		40	5200	18.45	19.50	No
		44	5220	18.50	19.50	No
		48	5240	18.53	19.50	No
	802.11n(HT40)	38	5190	12.23	13.50	No
		46	5230	18.66	19.50	No
	802.11ac(VHT20)	36	5180	15.82	17.00	No
		40	5200	18.34	19.50	No
		44	5220	18.52	19.50	No
		48	5240	18.74	19.50	No
	802.11ac(VHT40)	38	5190	12.37	13.50	No
		46	5230	18.49	19.50	No
	802.11ac(VHT80)	42	5210	11.76	13.00	No
	802.11ax(HE20)	36	5180	15.93	17.00	No
		40	5200	18.47	19.50	No
		44	5220	18.47	19.50	No
48		5240	18.45	19.50	No	
802.11ax(HE40)	38	5190	12.32	13.50	No	
	46	5230	18.35	19.50	No	
802.11ax(HE80)	42	5210	12.11	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	18.51	19.50	No
		56	5280	18.53	19.50	No
		60	5300	18.64	19.50	No
		64	5320	14.12	15.00	No
	802.11n(HT20)	52	5260	18.33	19.50	No
		56	5280	18.58	19.50	No
		60	5300	18.31	19.50	No
		64	5320	13.90	15.00	No
	802.11n(HT40)	54	5270	18.36	19.50	Yes
		62	5310	12.47	14.00	No
	802.11ac(VHT20)	52	5260	18.55	19.50	No
		56	5280	18.48	19.50	No
		60	5300	18.50	19.50	No
		64	5320	14.03	15.00	No

	802.11ac(VHT40)	54	5270	18.52	19.50	No
		62	5310	13.08	14.00	No
	802.11ac(VHT80)	58	5290	11.53	12.50	No
	802.11ax(HE20)	52	5260	18.44	19.50	No
		56	5280	18.66	19.50	No
		60	5300	18.65	19.50	No
	802.11ax(HE40)	64	5320	13.95	15.00	No
		54	5270	18.28	19.50	No
		62	5310	13.08	14.00	No
	802.11ax(HE80)	58	5290	11.36	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	16.21	17.00	No
		104	5520	18.40	19.50	No
		108	5540	18.50	19.50	No
		112	5560	18.31	19.50	No
		116	5580	18.67	19.50	No
		120	5600	18.32	19.50	No
		124	5620	18.27	19.50	No
		128	5640	18.40	19.50	No
		132	5660	18.67	19.50	No
		136	5680	18.34	19.50	No
	140	5700	16.66	17.50	No	
	802.11n(HT20)	100	5500	16.23	17.00	No
		104	5520	18.28	19.50	No
		108	5540	18.38	19.50	No
		112	5560	18.34	19.50	No
		116	5580	18.25	19.50	No
		120	5600	18.68	19.50	No
		124	5620	18.45	19.50	No
		128	5640	18.55	19.50	No
		132	5660	18.62	19.50	No
		136	5680	18.32	19.50	No
	140	5700	16.49	17.50	No	
	802.11n(HT40)	102	5510	14.64	16.50	No
		110	5550	17.96	19.50	No
		118	5590	17.95	19.50	No
		126	5630	17.88	19.50	Yes
		134	5670	11.01	12.50	No
	802.11ac(VHT20)	100	5500	16.23	17.00	No
		104	5520	18.69	19.50	No
		108	5540	18.32	19.50	No
		112	5560	18.48	19.50	No

		116	5580	18.46	19.50	No	
		120	5600	18.26	19.50	No	
		124	5620	18.49	19.50	No	
		128	5640	18.70	19.50	No	
		132	5660	18.46	19.50	No	
		136	5680	18.26	19.50	No	
		140	5700	16.72	17.50	No	
	802.11ac(VHT40)	102	5510	5.80	7.00	No	
		110	5550	18.59	19.50	No	
		118	5590	18.52	19.50	No	
		126	5630	18.26	19.50	No	
		134	5670	11.68	12.50	No	
	802.11ac(VHT80)	106	5530	12.72	13.50	No	
		122	5610	17.68	18.50	No	
		138	5690	17.68	18.50	No	
	802.11ax(HE20)	100	5500	15.87	17.00	No	
		104	5520	18.58	19.50	No	
		108	5540	18.39	19.50	No	
		112	5560	18.46	19.50	No	
		116	5580	18.73	19.50	No	
		120	5600	18.68	19.50	No	
		124	5620	18.33	19.50	No	
		128	5640	18.31	19.50	No	
		132	5660	18.48	19.50	No	
		136	5680	18.72	19.50	No	
		140	5700	16.32	17.50	No	
	802.11ax(HE40)	102	5510	5.78	7.00	No	
		110	5550	18.52	19.50	No	
		118	5590	18.52	19.50	No	
		126	5630	18.27	19.50	No	
		134	5670	11.63	12.50	No	
		134	5670	18.72	19.50	No	
	802.11ax(HE80)	106	5530	12.35	13.50	No	
		122	5610	17.61	18.50	No	
		138	5690	17.61	18.50	No	
	5.8 (5.725~5.850)	802.11a	149	5745	18.43	19.50	No
			153	5765	18.63	19.50	No
			157	5785	18.61	19.50	No
			161	5805	18.44	19.50	No
			165	5825	18.66	19.50	No
		802.11n(HT20)	149	5745	18.55	19.50	No

		153	5765	18.48	19.50	No
		157	5785	18.32	19.50	No
		161	5805	18.62	19.50	No
		165	5825	18.74	19.50	No
	802.11n(HT40)	151	5755	16.17	18.00	No
		159	5795	18.25	19.50	Yes
	802.11ac(VHT20)	149	5745	18.48	19.50	No
		153	5765	18.42	19.50	No
		157	5785	18.31	19.50	No
		161	5805	18.32	19.50	No
		165	5825	18.62	19.50	No
	802.11ac(VHT40)	151	5755	18.58	19.50	No
		159	5795	18.60	19.50	No
	802.11ac(VHT80)	155	5775	17.60	18.50	No
	802.11ax(HE20)	149	5745	18.66	19.50	No
		153	5765	18.53	19.50	No
		157	5785	18.67	19.50	No
		161	5805	18.25	19.50	No
		165	5825	18.54	19.50	No
	802.11ax(HE40)	151	5755	18.35	19.50	No
		159	5795	18.71	19.50	No
	802.11ax(HE80)	155	5775	17.59	18.50	No

8.9.26 Power Reduced Level 5-ANT8 of 5G WIFI (Sensor on and off)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.18	14.00	No
		40	5200	12.85	14.00	No
		44	5220	12.85	14.00	No
		48	5240	13.08	14.00	No
	802.11n(HT20)	36	5180	13.23	14.00	No
		40	5200	13.16	14.00	No
		44	5220	13.10	14.00	No
		48	5240	13.02	14.00	No
	802.11n(HT40)	38	5190	12.57	13.50	No
		46	5230	12.99	14.00	Yes
	802.11ac(VHT20)	36	5180	13.15	14.00	No
		40	5200	13.13	14.00	No
		44	5220	12.97	14.00	No
		48	5240	12.79	14.00	No
	802.11ac(VHT40)	38	5190	12.51	13.50	No
		46	5230	13.01	14.00	No
	802.11ac(VHT80)	42	5210	11.76	13.00	No
	802.11ax(HE20)	36	5180	12.83	14.00	No
		40	5200	12.94	14.00	No
		44	5220	13.21	14.00	No
48		5240	13.13	14.00	No	
802.11ax(HE40)	38	5190	12.39	13.50	No	
	46	5230	12.99	14.00	No	
802.11ax(HE80)	42	5210	11.78	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	12.91	14.00	No
		56	5280	13.15	14.00	No
		60	5300	12.79	14.00	No
		64	5320	12.90	14.00	No
	802.11n(HT20)	52	5260	12.80	14.00	No
		56	5280	12.75	14.00	No
		60	5300	13.04	14.00	No
		64	5320	13.09	14.00	No
	802.11n(HT40)	54	5270	12.95	14.00	No
		62	5310	13.01	14.00	No
	802.11ac(VHT20)	52	5260	13.19	14.00	No
		56	5280	13.03	14.00	No
		60	5300	12.89	14.00	No
		64	5320	13.08	14.00	No

	802.11ac(VHT40)	54	5270	13.20	14.00	No
		62	5310	13.19	14.00	No
	802.11ac(VHT80)	58	5290	11.28	12.50	No
	802.11ax(HE20)	52	5260	12.90	14.00	No
		56	5280	13.08	14.00	No
		60	5300	13.05	14.00	No
	802.11ax(HE40)	64	5320	12.83	14.00	No
		54	5270	12.97	14.00	No
		62	5310	12.89	14.00	No
	802.11ax(HE80)	58	5290	11.53	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	13.24	14.00	No
		104	5520	13.06	14.00	No
		108	5540	13.20	14.00	No
		112	5560	12.91	14.00	No
		116	5580	12.85	14.00	No
		120	5600	13.07	14.00	No
		124	5620	13.18	14.00	No
		128	5640	12.96	14.00	No
		132	5660	12.95	14.00	No
		136	5680	12.88	14.00	No
	140	5700	12.83	14.00	No	
	802.11n(HT20)	100	5500	12.82	14.00	No
		104	5520	12.87	14.00	No
		108	5540	13.07	14.00	No
		112	5560	12.82	14.00	No
		116	5580	13.23	14.00	No
		120	5600	13.06	14.00	No
		124	5620	12.96	14.00	No
		128	5640	13.03	14.00	No
		132	5660	13.14	14.00	No
		136	5680	13.14	14.00	No
	140	5700	13.04	14.00	No	
	802.11n(HT40)	102	5510	5.93	7.00	No
		110	5550	13.10	14.00	No
		118	5590	13.18	14.00	No
		126	5630	12.97	14.00	No
		134	5670	11.62	12.50	No
	802.11ac(VHT20)	100	5500	12.86	14.00	No
		104	5520	13.04	14.00	No
		108	5540	12.78	14.00	No
		112	5560	13.19	14.00	No

		116	5580	12.99	14.00	No	
		120	5600	12.96	14.00	No	
		124	5620	12.86	14.00	No	
		128	5640	12.95	14.00	No	
		132	5660	12.75	14.00	No	
		136	5680	13.12	14.00	No	
		140	5700	12.98	14.00	No	
	802.11ac(VHT40)	102	5510	5.77	7.00	No	
		110	5550	12.93	14.00	No	
		118	5590	12.90	14.00	No	
		126	5630	12.93	14.00	No	
		134	5670	11.54	12.50	No	
	802.11ac(VHT80)	106	5530	12.32	13.50	No	
		122	5610	12.63	13.50	No	
		138	5690	12.50	13.50	No	
	802.11ax(HE20)	100	5500	13.13	14.00	No	
		104	5520	12.97	14.00	No	
		108	5540	12.98	14.00	No	
		112	5560	13.18	14.00	No	
		116	5580	13.19	14.00	No	
		120	5600	12.80	14.00	No	
		124	5620	12.91	14.00	No	
		128	5640	13.24	14.00	No	
		132	5660	12.98	14.00	No	
		136	5680	12.98	14.00	No	
		140	5700	12.94	14.00	No	
	802.11ax(HE40)	102	5510	5.85	7.00	No	
		110	5550	13.16	14.00	No	
		118	5590	12.95	14.00	No	
		126	5630	12.95	14.00	No	
		134	5670	11.73	12.50	No	
		134	5670	13.21	14.00	No	
	802.11ax(HE80)	106	5530	12.54	13.50	No	
		122	5610	12.62	13.50	No	
		138	5690	12.38	13.50	No	
	5.8 (5.725~5.850)	802.11a	149	5745	12.82	14.00	No
			153	5765	12.99	14.00	No
			157	5785	12.83	14.00	No
			161	5805	13.18	14.00	No
			165	5825	12.93	14.00	No
		802.11n(HT20)	149	5745	13.24	14.00	No

		153	5765	12.92	14.00	No
		157	5785	13.20	14.00	No
		161	5805	13.04	14.00	No
		165	5825	13.10	14.00	No
	802.11n(HT40)	151	5755	13.05	14.00	Yes
		159	5795	12.79	14.00	No
	802.11ac(VHT20)	149	5745	13.23	14.00	No
		153	5765	13.21	14.00	No
		157	5785	13.09	14.00	No
		161	5805	13.11	14.00	No
		165	5825	13.13	14.00	No
	802.11ac(VHT40)	151	5755	13.16	14.00	No
		159	5795	12.92	14.00	No
	802.11ac(VHT80)	155	5775	12.33	13.50	No
	802.11ax(HE20)	149	5745	12.92	14.00	No
		153	5765	12.81	14.00	No
		157	5785	13.00	14.00	No
		161	5805	12.92	14.00	No
		165	5825	12.85	14.00	No
	802.11ax(HE40)	151	5755	13.03	14.00	No
		159	5795	12.89	14.00	No
	802.11ax(HE80)	155	5775	12.41	13.50	No

8.9.27 Power Reduced Level 1-ANT2&8 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.92	17.00	No
		40	5200	16.03	17.00	No
		44	5220	16.20	17.00	No
		48	5240	16.15	17.00	No
	802.11n(HT20)	36	5180	15.88	17.00	No
		40	5200	15.94	17.00	No
		44	5220	16.01	17.00	No
		48	5240	15.98	17.00	No
	802.11n(HT40)	38	5190	15.42	16.50	No
		46	5230	16.05	17.00	No
	802.11ac(VHT20)	36	5180	16.11	17.00	No
		40	5200	15.93	17.00	No
		44	5220	15.95	17.00	No
		48	5240	15.95	17.00	No
	802.11ac(VHT40)	38	5190	15.65	16.50	No
		46	5230	16.00	17.00	No
	802.11ac(VHT80)	42	5210	14.87	16.00	No
	802.11ax(HE20)	36	5180	16.14	17.00	No
		40	5200	16.04	17.00	No
		44	5220	15.98	17.00	No
48		5240	15.94	17.00	No	
802.11ax(HE40)	38	5190	15.52	16.50	No	
	46	5230	16.05	17.00	No	
802.11ax(HE80)	42	5210	15.20	16.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	16.04	17.00	No
		56	5280	15.80	17.00	No
		60	5300	16.19	17.00	No
		64	5320	15.88	17.00	No
	802.11n(HT20)	52	5260	15.82	17.00	No
		56	5280	15.95	17.00	No
		60	5300	15.85	17.00	No
		64	5320	15.92	17.00	No
	802.11n(HT40)	54	5270	16.02	17.00	Yes
		62	5310	16.04	17.00	Yes
	802.11ac(VHT20)	52	5260	15.93	17.00	No
		56	5280	15.94	17.00	No
		60	5300	15.94	17.00	No
		64	5320	16.15	17.00	No

	802.11ac(VHT40)	54	5270	15.97	17.00	No
		62	5310	16.07	17.00	No
	802.11ac(VHT80)	58	5290	14.46	15.50	No
	802.11ax(HE20)	52	5260	15.94	17.00	No
		56	5280	16.18	17.00	No
		60	5300	15.91	17.00	No
	802.11ax(HE40)	64	5320	15.96	17.00	No
		54	5270	16.06	17.00	No
		62	5310	15.91	17.00	No
	802.11ax(HE80)	58	5290	14.73	15.50	No
5.6 (5.47~5.725)	802.11a	100	5500	16.05	17.00	No
		104	5520	15.96	17.00	No
		108	5540	16.03	17.00	No
		112	5560	16.08	17.00	No
		116	5580	16.21	17.00	No
		120	5600	16.10	17.00	No
		124	5620	15.89	17.00	No
		128	5640	15.93	17.00	No
		132	5660	15.88	17.00	No
		136	5680	15.86	17.00	No
	140	5700	16.04	17.00	No	
	802.11n(HT20)	100	5500	15.99	17.00	No
		104	5520	16.08	17.00	No
		108	5540	16.20	17.00	No
		112	5560	16.13	17.00	No
		116	5580	16.22	17.00	No
		120	5600	16.10	17.00	No
		124	5620	15.97	17.00	No
		128	5640	15.98	17.00	No
		132	5660	16.11	17.00	No
		136	5680	15.96	17.00	No
	140	5700	15.86	17.00	No	
	802.11n(HT40)	102	5510	8.91	10.00	No
		110	5550	16.07	17.00	Yes
		118	5590	15.82	17.00	No
		126	5630	16.02	17.00	No
		134	5670	14.41	15.50	No
	802.11ac(VHT20)	100	5500	15.96	17.00	No
		104	5520	16.08	17.00	No
		108	5540	16.06	17.00	No
		112	5560	15.97	17.00	No

		116	5580	16.05	17.00	No	
		120	5600	16.16	17.00	No	
		124	5620	15.99	17.00	No	
		128	5640	16.03	17.00	No	
		132	5660	16.07	17.00	No	
		136	5680	15.93	17.00	No	
		140	5700	16.19	17.00	No	
	802.11ac(VHT40)	102	5510	8.94	10.00	No	
		110	5550	15.87	17.00	No	
		118	5590	16.16	17.00	No	
		126	5630	16.00	17.00	No	
		134	5670	14.55	15.50	No	
	802.11ac(VHT80)	106	5530	15.39	16.50	No	
		122	5610	15.57	16.50	No	
		138	5690	15.63	16.50	No	
	802.11ax(HE20)	100	5500	15.85	17.00	No	
		104	5520	16.07	17.00	No	
		108	5540	16.09	17.00	No	
		112	5560	16.12	17.00	No	
		116	5580	15.89	17.00	No	
		120	5600	16.04	17.00	No	
		124	5620	16.02	17.00	No	
		128	5640	16.03	17.00	No	
		132	5660	16.08	17.00	No	
		136	5680	16.01	17.00	No	
		140	5700	15.87	17.00	No	
	802.11ax(HE40)	102	5510	8.93	10.00	No	
		110	5550	16.06	17.00	No	
		118	5590	16.05	17.00	No	
		126	5630	16.16	17.00	No	
		134	5670	14.53	15.50	No	
		134	5670	15.96	17.00	No	
	802.11ax(HE80)	106	5530	15.56	16.50	No	
		122	5610	15.47	16.50	No	
		138	5690	15.55	16.50	No	
	5.8 (5.725~5.850)	802.11a	149	5745	15.95	17.00	No
			153	5765	16.03	17.00	No
			157	5785	15.81	17.00	No
			161	5805	15.96	17.00	No
			165	5825	15.85	17.00	No
		802.11n(HT20)	149	5745	16.00	17.00	No

		153	5765	15.79	17.00	No
		157	5785	16.00	17.00	No
		161	5805	15.77	17.00	No
		165	5825	16.15	17.00	No
	802.11n(HT40)	151	5755	16.09	17.00	Yes
		159	5795	15.93	17.00	Yes
	802.11ac(VHT20)	149	5745	15.90	17.00	No
		153	5765	15.86	17.00	No
		157	5785	16.01	17.00	No
		161	5805	16.13	17.00	No
		165	5825	15.91	17.00	No
	802.11ac(VHT40)	151	5755	16.04	17.00	No
		159	5795	15.92	17.00	No
	802.11ac(VHT80)	155	5775	15.45	16.50	No
	802.11ax(HE20)	149	5745	16.05	17.00	No
		153	5765	16.22	17.00	No
		157	5785	15.93	17.00	No
		161	5805	15.88	17.00	No
		165	5825	16.05	17.00	No
	802.11ax(HE40)	151	5755	15.79	17.00	No
		159	5795	15.90	17.00	No
	802.11ax(HE80)	155	5775	15.32	16.50	No

8.9.28 Power Reduced Level 2-ANT2&8 of 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.63	13.50	No
		40	5200	12.52	13.50	No
		44	5220	12.48	13.50	No
		48	5240	12.60	13.50	No
	802.11n(HT20)	36	5180	12.54	13.50	No
		40	5200	12.57	13.50	No
		44	5220	12.71	13.50	No
		48	5240	12.41	13.50	No
	802.11n(HT40)	38	5190	12.48	13.50	No
		46	5230	12.67	13.50	No
	802.11ac(VHT20)	36	5180	12.42	13.50	No
		40	5200	12.59	13.50	No
		44	5220	12.49	13.50	No
		48	5240	12.50	13.50	No
	802.11ac(VHT40)	38	5190	12.41	13.50	No
		46	5230	12.63	13.50	No
	802.11ac(VHT80)	42	5210	11.97	13.00	No
	802.11ax(HE20)	36	5180	12.48	13.50	No
		40	5200	12.73	13.50	No
		44	5220	12.67	13.50	No
48		5240	12.46	13.50	No	
802.11ax(HE40)	38	5190	12.43	13.50	No	
	46	5230	12.68	13.50	No	
802.11ax(HE80)	42	5210	12.13	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	12.47	13.50	No
		56	5280	12.63	13.50	No
		60	5300	12.41	13.50	No
		64	5320	12.49	13.50	No
	802.11n(HT20)	52	5260	12.68	13.50	No
		56	5280	12.69	13.50	No
		60	5300	12.52	13.50	No
		64	5320	12.40	13.50	No
	802.11n(HT40)	54	5270	12.50	13.50	No
		62	5310	12.56	13.50	Yes
	802.11ac(VHT20)	52	5260	12.35	13.50	No
		56	5280	12.55	13.50	No
		60	5300	12.51	13.50	No
		64	5320	12.73	13.50	No

	802.11ac(VHT40)	54	5270	12.49	13.50	No
		62	5310	12.39	13.50	No
	802.11ac(VHT80)	58	5290	12.05	13.00	No
	802.11ax(HE20)	52	5260	12.51	13.50	No
		56	5280	12.50	13.50	No
		60	5300	12.56	13.50	No
	802.11ax(HE40)	64	5320	12.51	13.50	No
		54	5270	12.35	13.50	No
		62	5310	12.67	13.50	No
	802.11ax(HE80)	58	5290	12.15	13.00	No
5.6 (5.47~5.725)	802.11a	100	5500	12.54	13.50	No
		104	5520	12.52	13.50	No
		108	5540	12.55	13.50	No
		112	5560	12.66	13.50	No
		116	5580	12.53	13.50	No
		120	5600	12.44	13.50	No
		124	5620	12.54	13.50	No
		128	5640	12.69	13.50	No
		132	5660	12.37	13.50	No
		136	5680	12.57	13.50	No
	140	5700	12.45	13.50	No	
	802.11n(HT20)	100	5500	12.64	13.50	No
		104	5520	12.41	13.50	No
		108	5540	12.53	13.50	No
		112	5560	12.64	13.50	No
		116	5580	12.59	13.50	No
		120	5600	12.52	13.50	No
		124	5620	12.35	13.50	No
		128	5640	12.60	13.50	No
		132	5660	12.54	13.50	No
		136	5680	12.65	13.50	No
	140	5700	12.48	13.50	No	
	802.11n(HT40)	102	5510	8.17	10.00	No
		110	5550	12.72	13.50	Yes
		118	5590	12.62	13.50	No
		126	5630	12.51	13.50	No
		134	5670	12.53	13.50	No
	802.11ac(VHT20)	100	5500	12.49	13.50	No
		104	5520	12.52	13.50	No
		108	5540	12.48	13.50	No
		112	5560	12.62	13.50	No

		116	5580	12.57	13.50	No	
		120	5600	12.48	13.50	No	
		124	5620	12.65	13.50	No	
		128	5640	12.38	13.50	No	
		132	5660	12.52	13.50	No	
		136	5680	12.42	13.50	No	
		140	5700	12.32	13.50	No	
	802.11ac(VHT40)	102	5510	8.98	10.00	No	
		110	5550	12.45	13.50	No	
		118	5590	12.45	13.50	No	
		126	5630	12.51	13.50	No	
		134	5670	12.49	13.50	No	
	802.11ac(VHT80)	106	5530	11.99	13.00	No	
		122	5610	11.94	13.00	No	
		138	5690	12.03	13.00	No	
	802.11ax(HE20)	100	5500	12.61	13.50	No	
		104	5520	12.39	13.50	No	
		108	5540	12.68	13.50	No	
		112	5560	12.43	13.50	No	
		116	5580	12.48	13.50	No	
		120	5600	12.50	13.50	No	
		124	5620	12.50	13.50	No	
		128	5640	12.50	13.50	No	
		132	5660	12.52	13.50	No	
		136	5680	12.58	13.50	No	
		140	5700	12.50	13.50	No	
	802.11ax(HE40)	102	5510	9.06	10.00	No	
		110	5550	12.35	13.50	No	
		118	5590	12.46	13.50	No	
		126	5630	12.48	13.50	No	
		134	5670	12.46	13.50	No	
		134	5670	12.47	13.50	No	
	802.11ax(HE80)	106	5530	11.83	13.00	No	
		122	5610	12.05	13.00	No	
		138	5690	12.13	13.00	No	
	5.8 (5.725~5.850)	802.11a	149	5745	12.54	13.50	No
			153	5765	12.47	13.50	No
			157	5785	12.52	13.50	No
			161	5805	12.39	13.50	No
			165	5825	12.42	13.50	No
		802.11n(HT20)	149	5745	12.47	13.50	No

		153	5765	12.54	13.50	No
		157	5785	12.63	13.50	No
		161	5805	12.55	13.50	No
		165	5825	12.50	13.50	No
	802.11n(HT40)	151	5755	12.62	13.50	Yes
		159	5795	12.43	13.50	No
	802.11ac(VHT20)	149	5745	12.49	13.50	No
		153	5765	12.53	13.50	No
		157	5785	12.36	13.50	No
		161	5805	12.41	13.50	No
		165	5825	12.40	13.50	No
	802.11ac(VHT40)	151	5755	12.40	13.50	No
		159	5795	12.43	13.50	No
	802.11ac(VHT80)	155	5775	11.96	13.00	No
	802.11ax(HE20)	149	5745	12.59	13.50	No
		153	5765	12.34	13.50	No
		157	5785	12.45	13.50	No
		161	5805	12.49	13.50	No
		165	5825	12.57	13.50	No
	802.11ax(HE40)	151	5755	12.50	13.50	No
		159	5795	12.59	13.50	No
	802.11ax(HE80)	155	5775	12.23	13.00	No

8.9.29 Power Reduced Level 4-ANT2&8 of 5G WIFI (Sensor on)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	19.02	20.00	No
		40	5200	20.11	21.00	No
		44	5220	20.13	21.00	No
		48	5240	20.15	21.00	No
	802.11n(HT20)	36	5180	19.01	20.00	No
		40	5200	19.94	21.00	No
		44	5220	20.12	21.00	No
		48	5240	19.88	21.00	No
	802.11n(HT40)	38	5190	15.55	16.50	No
		46	5230	20.07	21.00	No
	802.11ac(VHT20)	36	5180	18.97	20.00	No
		40	5200	20.03	21.00	No
		44	5220	20.09	21.00	No
		48	5240	19.87	21.00	No
	802.11ac(VHT40)	38	5190	15.52	16.50	No
		46	5230	20.16	21.00	No
	802.11ac(VHT80)	42	5210	15.07	16.00	No
	802.11ax(HE20)	36	5180	19.03	20.00	No
		40	5200	20.09	21.00	No
		44	5220	19.98	21.00	No
48		5240	20.13	21.00	No	
802.11ax(HE40)	38	5190	15.56	16.50	No	
	46	5230	20.01	21.00	No	
802.11ax(HE80)	42	5210	15.10	16.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	20.15	21.00	No
		56	5280	19.89	21.00	No
		60	5300	20.04	21.00	No
		64	5320	16.76	18.00	No
	802.11n(HT20)	52	5260	20.14	21.00	No
		56	5280	19.85	21.00	No
		60	5300	19.98	21.00	No
		64	5320	16.92	18.00	No
	802.11n(HT40)	54	5270	20.08	21.00	Yes
		62	5310	16.04	17.00	No
	802.11ac(VHT20)	52	5260	19.97	21.00	No
		56	5280	20.10	21.00	No
		60	5300	19.95	21.00	No
		64	5320	17.01	18.00	No

	802.11ac(VHT40)	54	5270	20.00	21.00	No	
		62	5310	15.89	17.00	No	
	802.11ac(VHT80)	58	5290	14.57	15.50	No	
	802.11ax(HE20)	52	5260	20.13	21.00	No	
		56	5280	19.86	21.00	No	
		60	5300	20.01	21.00	No	
	802.11ax(HE40)	64	5320	17.11	18.00	No	
		54	5270	20.00	21.00	No	
		62	5310	15.92	17.00	No	
	802.11ax(HE80)	58	5290	14.34	15.50	No	
5.6 (5.47~5.725)	802.11a	100	5500	19.01	20.00	No	
		104	5520	19.91	21.00	No	
		108	5540	19.89	21.00	No	
		112	5560	20.06	21.00	No	
		116	5580	20.11	21.00	No	
		120	5600	20.04	21.00	No	
		124	5620	20.12	21.00	No	
		128	5640	19.98	21.00	No	
		132	5660	20.12	21.00	No	
		136	5680	19.95	21.00	No	
	802.11n(HT20)	140	5700	19.43	20.50	No	
		100	5500	18.82	20.00	No	
		104	5520	20.03	21.00	No	
		108	5540	19.91	21.00	No	
		112	5560	20.01	21.00	No	
		116	5580	19.93	21.00	No	
		120	5600	20.04	21.00	No	
		124	5620	19.91	21.00	No	
		128	5640	20.06	21.00	No	
		132	5660	19.97	21.00	No	
	802.11n(HT40)	136	5680	20.01	21.00	No	
		140	5700	19.47	20.50	No	
		102	5510	9.10	10.00	No	
		110	5550	20.18	21.00	Yes	
		118	5590	20.12	21.00	No	
	802.11ac(VHT20)	126	5630	19.98	21.00	No	
		134	5670	14.52	15.50	No	
		100	5500	18.88	20.00	No	
		104	5520	19.94	21.00	No	
			108	5540	19.85	21.00	No
			112	5560	20.14	21.00	No

		116	5580	19.91	21.00	No	
		120	5600	19.92	21.00	No	
		124	5620	19.82	21.00	No	
		128	5640	20.13	21.00	No	
		132	5660	19.93	21.00	No	
		136	5680	20.01	21.00	No	
		140	5700	19.47	20.50	No	
	802.11ac(VHT40)	102	5510	9.01	10.00	No	
		110	5550	20.00	21.00	No	
		118	5590	19.97	21.00	No	
		126	5630	20.02	21.00	No	
		134	5670	14.50	15.50	No	
	802.11ac(VHT80)	106	5530	15.49	16.50	No	
		122	5610	20.02	21.00	No	
		138	5690	20.03	21.00	No	
	802.11ax(HE20)	100	5500	19.06	20.00	No	
		104	5520	20.13	21.00	No	
		108	5540	19.97	21.00	No	
		112	5560	19.98	21.00	No	
		116	5580	20.12	21.00	No	
		120	5600	20.07	21.00	No	
		124	5620	20.13	21.00	No	
		128	5640	19.89	21.00	No	
		132	5660	20.11	21.00	No	
		136	5680	19.89	21.00	No	
		140	5700	19.46	20.50	No	
	802.11ax(HE40)	102	5510	9.03	10.00	No	
		110	5550	20.21	21.00	No	
		118	5590	20.03	21.00	No	
		126	5630	19.96	21.00	No	
		134	5670	14.51	15.50	No	
		134	5670	20.02	21.00	No	
	802.11ax(HE80)	106	5530	15.46	16.50	No	
		122	5610	20.09	21.00	No	
		138	5690	20.04	21.00	No	
	5.8 (5.725~5.850)	802.11a	149	5745	20.04	21.00	No
			153	5765	19.98	21.00	No
			157	5785	20.21	21.00	No
			161	5805	20.04	21.00	No
			165	5825	20.08	21.00	No
		802.11n(HT20)	149	5745	19.89	21.00	No

		153	5765	19.94	21.00	No
		157	5785	20.03	21.00	No
		161	5805	20.17	21.00	No
		165	5825	19.93	21.00	No
	802.11n(HT40)	151	5755	20.04	21.00	No
		159	5795	20.11	21.00	Yes
	802.11ac(VHT20)	149	5745	19.86	21.00	No
		153	5765	19.84	21.00	No
		157	5785	19.84	21.00	No
		161	5805	20.14	21.00	No
		165	5825	20.03	21.00	No
	802.11ac(VHT40)	151	5755	19.86	21.00	No
		159	5795	20.03	21.00	No
	802.11ac(VHT80)	155	5775	19.98	21.00	No
	802.11ax(HE20)	149	5745	20.10	21.00	No
		153	5765	19.95	21.00	No
		157	5785	20.03	21.00	No
		161	5805	20.03	21.00	No
		165	5825	19.80	21.00	No
	802.11ax(HE40)	151	5755	20.13	21.00	No
		159	5795	19.82	21.00	No
	802.11ax(HE80)	155	5775	19.91	21.00	No

8.9.30 Power Reduced Level 4-ANT2&8 of 5G WIFI (Sensor off)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	18.92	20.00	No
		40	5200	21.66	22.50	No
		44	5220	21.60	22.50	No
		48	5240	21.59	22.50	No
	802.11n(HT20)	36	5180	19.02	20.00	No
		40	5200	21.36	22.50	No
		44	5220	21.63	22.50	No
		48	5240	21.65	22.50	No
	802.11n(HT40)	38	5190	15.46	16.50	No
		46	5230	21.32	22.50	No
	802.11ac(VHT20)	36	5180	18.98	20.00	No
		40	5200	21.55	22.50	No
		44	5220	21.32	22.50	No
		48	5240	21.71	22.50	No
	802.11ac(VHT40)	38	5190	15.58	16.50	No
		46	5230	21.45	22.50	No
	802.11ac(VHT80)	42	5210	15.06	16.00	No
	802.11ax(HE20)	36	5180	18.84	20.00	No
		40	5200	21.59	22.50	No
		44	5220	21.41	22.50	No
48		5240	21.60	22.50	No	
802.11ax(HE40)	38	5190	15.58	16.50	No	
	46	5230	21.53	22.50	No	
802.11ax(HE80)	42	5210	15.22	16.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	21.65	22.50	No
		56	5280	21.54	22.50	No
		60	5300	21.57	22.50	No
		64	5320	17.19	18.00	No
	802.11n(HT20)	52	5260	21.46	22.50	No
		56	5280	21.50	22.50	No
		60	5300	21.62	22.50	No
		64	5320	17.06	18.00	No
	802.11n(HT40)	54	5270	21.49	22.50	Yes
		62	5310	16.03	17.00	No
	802.11ac(VHT20)	52	5260	21.48	22.50	No
		56	5280	21.48	22.50	No
		60	5300	21.42	22.50	No
		64	5320	17.19	18.00	No

	802.11ac(VHT40)	54	5270	21.42	22.50	No	
		62	5310	15.99	17.00	No	
	802.11ac(VHT80)	58	5290	14.52	15.50	No	
	802.11ax(HE20)	52	5260	21.52	22.50	No	
		56	5280	21.53	22.50	No	
		60	5300	21.34	22.50	No	
	802.11ax(HE40)	64	5320	17.16	18.00	No	
		54	5270	21.57	22.50	No	
		62	5310	15.89	17.00	No	
	802.11ax(HE80)	58	5290	14.53	15.50	No	
5.6 (5.47~5.725)	802.11a	100	5500	19.06	20.00	No	
		104	5520	21.39	22.50	No	
		108	5540	21.66	22.50	No	
		112	5560	21.50	22.50	No	
		116	5580	21.47	22.50	No	
		120	5600	21.61	22.50	No	
		124	5620	21.62	22.50	No	
		128	5640	21.31	22.50	No	
		132	5660	21.51	22.50	No	
		136	5680	21.53	22.50	No	
	802.11n(HT20)	140	5700	19.53	20.50	No	
		100	5500	18.98	20.00	No	
		104	5520	21.54	22.50	No	
		108	5540	21.40	22.50	No	
		112	5560	21.44	22.50	No	
		116	5580	21.68	22.50	No	
		120	5600	21.45	22.50	No	
		124	5620	21.51	22.50	No	
		128	5640	21.35	22.50	No	
		132	5660	21.65	22.50	No	
	802.11n(HT40)	136	5680	21.60	22.50	No	
		140	5700	19.44	20.50	No	
		102	5510	8.17	10.00	No	
		110	5550	21.66	22.50	Yes	
		118	5590	21.68	22.50	No	
	802.11ac(VHT20)	126	5630	21.64	22.50	No	
		134	5670	14.47	15.50	No	
		100	5500	18.89	20.00	No	
		104	5520	21.49	22.50	No	
			108	5540	21.66	22.50	No
			112	5560	21.45	22.50	No

		116	5580	21.50	22.50	No	
		120	5600	21.31	22.50	No	
		124	5620	21.42	22.50	No	
		128	5640	21.51	22.50	No	
		132	5660	21.40	22.50	No	
		136	5680	21.48	22.50	No	
		140	5700	19.49	20.50	No	
	802.11ac(VHT40)	102	5510	8.94	10.00	No	
		110	5550	21.48	22.50	No	
		118	5590	21.36	22.50	No	
		126	5630	21.49	22.50	No	
		134	5670	14.48	15.50	No	
	802.11ac(VHT80)	106	5530	15.52	16.50	No	
		122	5610	20.47	21.50	No	
		138	5690	20.54	21.50	No	
	802.11ax(HE20)	100	5500	19.12	20.00	No	
		104	5520	21.33	22.50	No	
		108	5540	21.51	22.50	No	
		112	5560	21.53	22.50	No	
		116	5580	21.58	22.50	No	
		120	5600	21.46	22.50	No	
		124	5620	21.57	22.50	No	
		128	5640	21.53	22.50	No	
		132	5660	21.48	22.50	No	
		136	5680	21.46	22.50	No	
		140	5700	19.54	20.50	No	
	802.11ax(HE40)	102	5510	8.93	10.00	No	
		110	5550	21.46	22.50	No	
		118	5590	21.48	22.50	No	
		126	5630	21.53	22.50	No	
		134	5670	14.48	15.50	No	
		134	5670	21.42	22.50	No	
	802.11ax(HE80)	106	5530	15.48	16.50	No	
		122	5610	20.54	21.50	No	
		138	5690	20.68	21.50	No	
	5.8 (5.725~5.850)	802.11a	149	5745	21.62	22.50	No
			153	5765	21.53	22.50	No
			157	5785	21.57	22.50	No
			161	5805	21.42	22.50	No
			165	5825	21.68	22.50	No
		802.11n(HT20)	149	5745	21.66	22.50	No

		153	5765	21.64	22.50	No
		157	5785	21.54	22.50	No
		161	5805	21.42	22.50	No
		165	5825	21.66	22.50	No
	802.11n(HT40)	151	5755	20.10	21.00	No
		159	5795	21.46	22.50	Yes
	802.11ac(VHT20)	149	5745	21.41	22.50	No
		153	5765	21.34	22.50	No
		157	5785	21.35	22.50	No
		161	5805	21.63	22.50	No
		165	5825	21.56	22.50	No
	802.11ac(VHT40)	151	5755	21.66	22.50	No
		159	5795	21.61	22.50	No
	802.11ac(VHT80)	155	5775	20.51	21.50	No
	802.11ax(HE20)	149	5745	21.29	22.50	No
		153	5765	21.67	22.50	No
		157	5785	21.46	22.50	No
		161	5805	21.46	22.50	No
		165	5825	21.63	22.50	No
	802.11ax(HE40)	151	5755	21.56	22.50	No
		159	5795	21.49	22.50	No
	802.11ax(HE80)	155	5775	20.61	21.50	No

8.9.31 Power Reduced Level 5-ANT2&8 of 5G WIFI

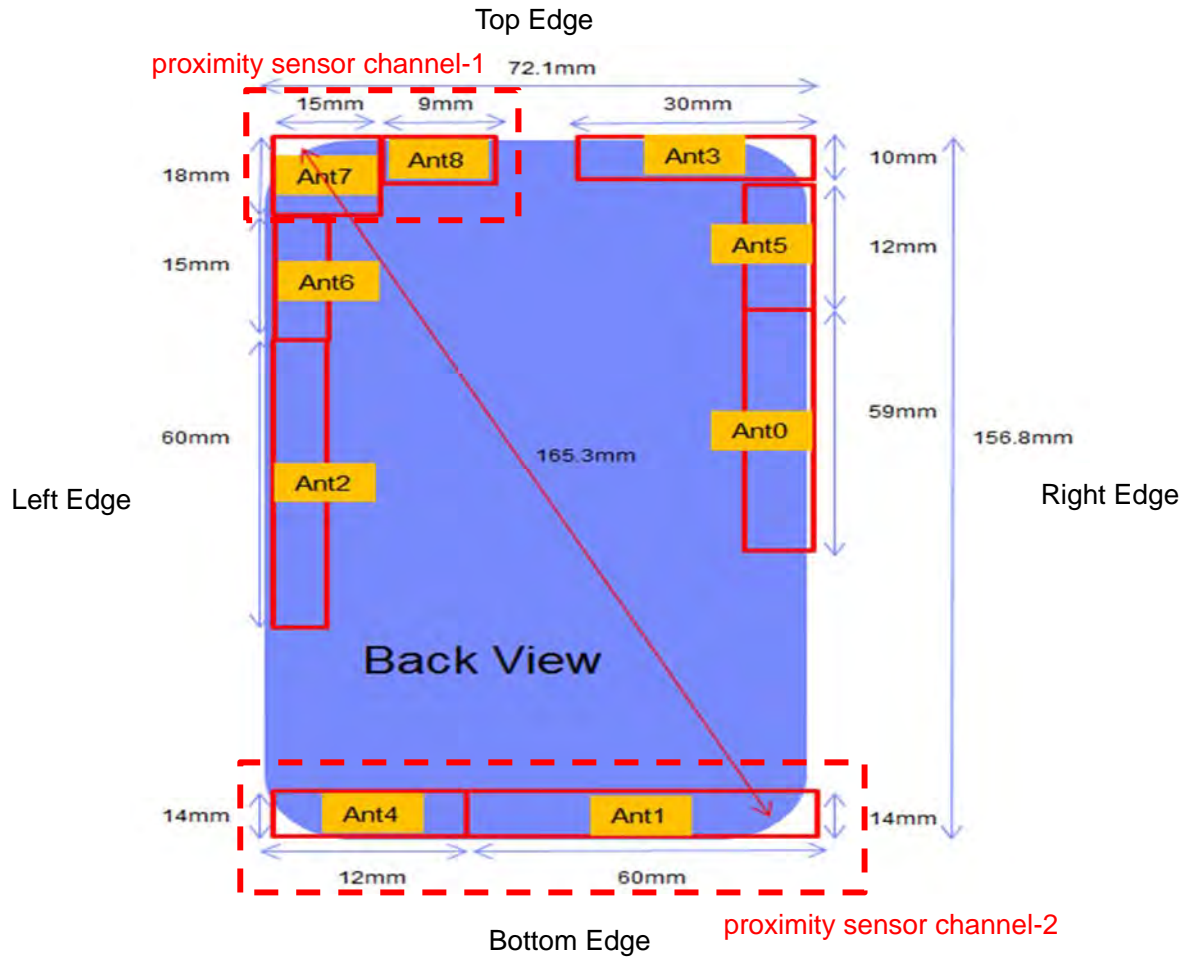
Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.92	17.00	No
		40	5200	16.03	17.00	No
		44	5220	16.20	17.00	No
		48	5240	16.15	17.00	No
	802.11n(HT20)	36	5180	15.88	17.00	No
		40	5200	15.94	17.00	No
		44	5220	16.01	17.00	No
		48	5240	15.98	17.00	No
	802.11n(HT40)	38	5190	15.42	16.50	No
		46	5230	16.05	17.00	Yes
	802.11ac(VHT20)	36	5180	16.11	17.00	No
		40	5200	15.93	17.00	No
		44	5220	15.95	17.00	No
		48	5240	15.95	17.00	No
	802.11ac(VHT40)	38	5190	15.65	16.50	No
		46	5230	16.00	17.00	No
	802.11ac(VHT80)	42	5210	14.87	16.00	No
	802.11ax(HE20)	36	5180	16.14	17.00	No
		40	5200	16.04	17.00	No
		44	5220	15.98	17.00	No
48		5240	15.94	17.00	No	
802.11ax(HE40)	38	5190	15.52	16.50	No	
	46	5230	16.05	17.00	No	
802.11ax(HE80)	42	5210	15.20	16.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	16.04	17.00	No
		56	5280	15.80	17.00	No
		60	5300	16.19	17.00	No
		64	5320	15.88	17.00	No
	802.11n(HT20)	52	5260	15.82	17.00	No
		56	5280	15.95	17.00	No
		60	5300	15.85	17.00	No
		64	5320	15.92	17.00	No
	802.11n(HT40)	54	5270	16.02	17.00	No
		62	5310	16.04	17.00	No
	802.11ac(VHT20)	52	5260	15.93	17.00	No
		56	5280	15.94	17.00	No
		60	5300	15.94	17.00	No
		64	5320	16.15	17.00	No

	802.11ac(VHT40)	54	5270	15.97	17.00	No
		62	5310	16.07	17.00	No
	802.11ac(VHT80)	58	5290	14.46	15.50	No
	802.11ax(HE20)	52	5260	15.94	17.00	No
		56	5280	16.18	17.00	No
		60	5300	15.91	17.00	No
	802.11ax(HE40)	64	5320	15.96	17.00	No
		54	5270	16.06	17.00	No
		62	5310	15.91	17.00	No
	802.11ax(HE80)	58	5290	14.73	15.50	No
5.6 (5.47~5.725)	802.11a	100	5500	16.05	17.00	No
		104	5520	15.96	17.00	No
		108	5540	16.03	17.00	No
		112	5560	16.08	17.00	No
		116	5580	16.21	17.00	No
		120	5600	16.10	17.00	No
		124	5620	15.89	17.00	No
		128	5640	15.93	17.00	No
		132	5660	15.88	17.00	No
		136	5680	15.86	17.00	No
	140	5700	16.04	17.00	No	
	802.11n(HT20)	100	5500	15.99	17.00	No
		104	5520	16.08	17.00	No
		108	5540	16.20	17.00	No
		112	5560	16.13	17.00	No
		116	5580	16.22	17.00	No
		120	5600	16.10	17.00	No
		124	5620	15.97	17.00	No
		128	5640	15.98	17.00	No
		132	5660	16.11	17.00	No
		136	5680	15.96	17.00	No
	140	5700	15.86	17.00	No	
	802.11n(HT40)	102	5510	8.91	10.00	No
		110	5550	16.07	17.00	No
		118	5590	15.82	17.00	No
		126	5630	16.02	17.00	No
		134	5670	14.41	15.50	No
	802.11ac(VHT20)	100	5500	15.96	17.00	No
		104	5520	16.08	17.00	No
		108	5540	16.06	17.00	No
		112	5560	15.97	17.00	No

		116	5580	16.05	17.00	No
		120	5600	16.16	17.00	No
		124	5620	15.99	17.00	No
		128	5640	16.03	17.00	No
		132	5660	16.07	17.00	No
		136	5680	15.93	17.00	No
		140	5700	16.19	17.00	No
	802.11ac(VHT40)	102	5510	8.94	10.00	No
		110	5550	15.87	17.00	No
		118	5590	16.16	17.00	No
		126	5630	16.00	17.00	No
		134	5670	14.55	15.50	No
	802.11ac(VHT80)	106	5530	15.39	16.50	No
		122	5610	15.57	16.50	No
		138	5690	15.63	16.50	No
	802.11ax(HE20)	100	5500	15.85	17.00	No
		104	5520	16.07	17.00	No
		108	5540	16.09	17.00	No
		112	5560	16.12	17.00	No
		116	5580	15.89	17.00	No
		120	5600	16.04	17.00	No
		124	5620	16.02	17.00	No
		128	5640	16.03	17.00	No
		132	5660	16.08	17.00	No
		136	5680	16.01	17.00	No
		140	5700	15.87	17.00	No
	802.11ax(HE40)	102	5510	8.93	10.00	No
		110	5550	16.06	17.00	No
		118	5590	16.05	17.00	No
		126	5630	16.16	17.00	No
		134	5670	14.53	15.50	No
		134	5670	15.96	17.00	No
	802.11ax(HE80)	106	5530	15.56	16.50	No
		122	5610	15.47	16.50	No
		138	5690	15.55	16.50	No
	5.8 (5.725~5.850)	802.11a	149	5745	15.95	17.00
153			5765	16.03	17.00	No
157			5785	15.81	17.00	No
161			5805	15.96	17.00	No
165			5825	15.85	17.00	No
802.11n(HT20)		149	5745	16.00	17.00	No

		153	5765	15.79	17.00	No
		157	5785	16.00	17.00	No
		161	5805	15.77	17.00	No
		165	5825	16.15	17.00	No
	802.11n(HT40)	151	5755	16.09	17.00	No
		159	5795	16.15	17.00	Yes
	802.11ac(VHT20)	149	5745	15.90	17.00	No
		153	5765	15.86	17.00	No
		157	5785	16.01	17.00	No
		161	5805	16.13	17.00	No
		165	5825	15.91	17.00	No
	802.11ac(VHT40)	151	5755	16.04	17.00	No
		159	5795	15.92	17.00	No
	802.11ac(VHT80)	155	5775	15.45	16.50	No
	802.11ax(HE20)	149	5745	16.05	17.00	No
		153	5765	16.22	17.00	No
		157	5785	15.93	17.00	No
		161	5805	15.88	17.00	No
		165	5825	16.05	17.00	No
	802.11ax(HE40)	151	5755	15.79	17.00	No
		159	5795	15.90	17.00	No
	802.11ax(HE80)	155	5775	15.32	16.50	No

9 TEST EXCLUSION CONSIDERATION



Antenna	Support Bands
ANT0	GSM850
	WCDMA B5
	LTE B5/12/17/26
	N5
ANT1	GSM850
	WCDMA B5
	LTE B5/12/17/26
	N5
ANT2	WLAN 2.4G/5G
ANT3	GSM1900
	WCDMA B2/4
	LTE B2/4/7/38/41/66
	N7/38/41;N66(Only for ENDC)
ANT4	GSM1900
	WCDMA B2/4
	LTE B2/4/7/38/41/66
	N7/38/41;N66(Only for ENDC)
ANT5	LTE B7(Only for ENDC)
	N7(Only for ENDC)
ANT7	LTE B7(Only for ENDC)
	WLAN 2.4G;BT
ANT8	WLAN 5G

Antenna	Front Side (mm)	Back Side (mm)	Left Edge (mm)	Right Edge (mm)	Top Edge (mm)	Bottom Edge (mm)
ANT0	<5	<5	58	<5	22	75
ANT1	<5	<5	12	<5	142.8	<5
ANT2	<5	<5	<5	64	33	63.8
ANT3	<5	<5	42.1	<5	<5	146.8
ANT4	<5	<5	<5	60	142.8	<5
ANT5	<5	<5	60	<5	10	134.8
ANT7	<5	<5	<5	57.1	<5	138.8
ANT8	<5	<5	15	48.1	<5	146.8

9.1 SAR Test Exclusion Consideration Table

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

ANT0

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<5mm	<5mm	58mm	<5mm	22mm	75mm
	Voice	33.00	1412.54	Yes	Yes	No	Yes	Yes	No
	Data	33.00	1412.54	Yes	Yes	No	Yes	Yes	No
WCDMA Band 5	Distance to User			<5mm	<5mm	58mm	<5mm	22mm	75mm
	RMC	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 5	Distance to User			<5mm	<5mm	58mm	<5mm	22mm	75mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 12	Distance to User			<5mm	<5mm	58mm	<5mm	22mm	75mm
	QPSK	24.00	251.19	Yes	Yes	No	Yes	Yes	No
LTE Band 17	Distance to User			<5mm	<5mm	58mm	<5mm	22mm	75mm
	QPSK	24.00	251.19	Yes	Yes	No	Yes	Yes	No
LTE Band 26	Distance to User			<5mm	<5mm	58mm	<5mm	22mm	75mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
NR n5	Distance to User			<5mm	<5mm	58mm	<5mm	22mm	75mm
	DFT-s-OFDM QPSK	24.00	251.19	Yes	Yes	No	Yes	Yes	No

ANT1

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<5mm	<5mm	12mm	<5mm	142.8mm	<5mm
	Voice	33.50	2238.72	Yes	Yes	Yes	Yes	No	Yes
	Data	33.50	2238.72	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<5mm	<5mm	12mm	<5mm	142.8mm	<5mm
	RMC	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	Distance to User			<5mm	<5mm	12mm	<5mm	142.8mm	<5mm
	QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 12	Distance to User			<5mm	<5mm	12mm	<5mm	142.8mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 17	Distance to User			<5mm	<5mm	12mm	<5mm	142.8mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 26	Distance to User			<5mm	<5mm	12mm	<5mm	142.8mm	<5mm
	QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
NR n5	Distance to User			<5mm	<5mm	12mm	<5mm	142.8mm	<5mm
	DFT-s-OFDM	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes

	QPSK								
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ANT2

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 2.4 G	Distance to User			<5mm	<5mm	<5mm	64mm	33mm	63.8mm
	802.11b	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11g	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT20)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE20)	19.00	79.43	No	No	No	No	No	No
802.11ax(HE40)	19.00	79.43	No	No	No	No	No	No	
WLAN 5.2 G	Distance to User			<5mm	<5mm	<5mm	64mm	33mm	63.8mm
	802.11a	19.50	89.13	No	No	No	No	No	No
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE20)	19.50	89.13	No	No	No	No	No	No
802.11ax(HE40)	19.50	89.13	No	No	No	No	No	No	
802.11ax(HE80)	13.00	19.95	No	No	No	No	No	No	
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	64mm	33mm	63.8mm
	802.11a	19.50	89.13	No	No	No	No	No	No
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	12.50	17.78	No	No	No	No	No	No
	802.11ax(HE20)	19.50	89.13	No	No	No	No	No	No
802.11ax(HE40)	19.50	89.13	No	No	No	No	No	No	
802.11ax(HE80)	12.50	17.78	No	No	No	No	No	No	
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	64mm	33mm	63.8mm
	802.11a	19.50	89.13	No	No	No	No	No	No
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	18.50	70.79	No	No	No	No	No	No
	802.11ax(HE20)	19.50	89.13	No	No	No	No	No	No
802.11ax(HE40)	19.50	89.13	No	No	No	No	No	No	
802.11ax(HE80)	18.50	70.79	No	No	No	No	No	No	

WLAN 5.8 G	Distance to User			<5mm	<5mm	<5mm	64mm	33mm	63.8mm
	802.11a	19.50	19.50	No	No	No	No	No	No
	802.11n(HT20)	19.50	19.50	No	No	No	No	No	No
	802.11n(HT40)	19.50	19.50	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	19.50	19.50	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	19.50	No	No	No	No	No	No
	802.11ac(VHT80)	19.50	19.50	No	No	No	No	No	No
	802.11ax(HE20)	19.50	19.50	No	No	No	No	No	No
	802.11ax(HE40)	19.50	19.50	No	No	No	No	No	No
802.11ax(HE80)	18.50	70.79	No	No	No	No	No	No	

ANT3

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 1900	Distance to User			<5mm	<5mm	42.1mm	<5mm	<5mm	146.8mm
	Voice	29.70	933.25	Yes	Yes	No	Yes	Yes	No
	Data	29.70	933.25	Yes	Yes	No	Yes	Yes	No
WCDMA Band 2	Distance to User			<5mm	<5mm	42.1mm	<5mm	<5mm	146.8mm
	RMC	21.70	147.91	Yes	Yes	No	Yes	Yes	No
WCDMA Band 4	Distance to User			<5mm	<5mm	42.1mm	<5mm	<5mm	146.8mm
	RMC	21.70	147.91	Yes	Yes	No	Yes	Yes	No
LTE Band 2	Distance to User			<5mm	<5mm	42.1mm	<5mm	<5mm	146.8mm
	QPSK	22.20	165.96	Yes	Yes	No	Yes	Yes	No
LTE Band 4	Distance to User			<5mm	<5mm	42.1mm	<5mm	<5mm	146.8mm
	QPSK	22.20	165.96	Yes	Yes	No	Yes	Yes	No
LTE Band 7	Distance to User			<5mm	<5mm	42.1mm	<5mm	<5mm	146.8mm
	QPSK	20.00	100.00	Yes	Yes	No	Yes	Yes	No
LTE Band 66	Distance to User			<5mm	<5mm	42.1mm	<5mm	<5mm	146.8mm
	QPSK	21.70	147.91	Yes	Yes	No	Yes	Yes	No
LTE Band 38	Distance to User			<5mm	<5mm	42.1mm	<5mm	<5mm	146.8mm
	QPSK	22.00	158.49	Yes	Yes	No	Yes	Yes	No
LTE Band 41	Distance to User			<5mm	<5mm	42.1mm	<5mm	<5mm	146.8mm
	QPSK	21.50	141.25	Yes	Yes	No	Yes	Yes	No
NR n7	Distance to User			<5mm	<5mm	42.1mm	<5mm	<5mm	146.8mm
	DFT-s-OFDM QPSK	20.00	100.00	Yes	Yes	No	Yes	Yes	No
NR n38	Distance to User			<5mm	<5mm	42.1mm	<5mm	<5mm	146.8mm
	DFT-s-OFDM QPSK	20.50	112.20	Yes	Yes	No	Yes	Yes	No
NR n41	Distance to User			<5mm	<5mm	42.1mm	<5mm	<5mm	146.8mm
	DFT-s-OFDM QPSK	20.50	112.20	Yes	Yes	No	Yes	Yes	No
NR n66	Distance to User			<5mm	<5mm	42.1mm	<5mm	<5mm	146.8mm

(Only for ENDC)	DFT-s-OFDM QPSK	19.00	79.43	Yes	Yes	No	Yes	Yes	No
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ANT4

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 1900	Distance to User			<5mm	<5mm	<5mm	60mm	142.8mm	<5mm
	Voice	30.50	1122.02	Yes	Yes	Yes	No	No	Yes
	Data	30.50	1122.02	Yes	Yes	Yes	No	No	Yes
WCDMA Band 2	Distance to User			<5mm	<5mm	<5mm	60mm	142.8mm	<5mm
	RMC	24.50	281.84	Yes	Yes	Yes	No	No	Yes
WCDMA Band 4	Distance to User			<5mm	<5mm	<5mm	60mm	142.8mm	<5mm
	RMC	24.50	281.84	Yes	Yes	Yes	No	No	Yes
LTE Band 2	Distance to User			<5mm	<5mm	<5mm	60mm	142.8mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	No	No	Yes
LTE Band 4	Distance to User			<5mm	<5mm	<5mm	60mm	142.8mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	No	No	Yes
LTE Band 7	Distance to User			<5mm	<5mm	<5mm	60mm	142.8mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	No	No	Yes
LTE Band 66	Distance to User			<5mm	<5mm	<5mm	60mm	142.8mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	No	No	Yes
LTE Band 38	Distance to User			<5mm	<5mm	<5mm	60mm	142.8mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	No	No	Yes
LTE Band 41	Distance to User			<5mm	<5mm	<5mm	60mm	142.8mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	No	No	Yes
NR n7	Distance to User			<5mm	<5mm	<5mm	60mm	142.8mm	<5mm
	DFT-s-OFDM BPSK	24.00	251.19	Yes	Yes	Yes	No	No	Yes
NR n38	Distance to User			<5mm	<5mm	<5mm	60mm	142.8mm	<5mm
	DFT-s-OFDM BPSK	24.00	251.19	Yes	Yes	Yes	No	No	Yes
NR n41	Distance to User			<5mm	<5mm	<5mm	60mm	142.8mm	<5mm
	DFT-s-OFDM BPSK	24.00	251.19	Yes	Yes	Yes	No	No	Yes
NR n66 (Only for ENDC)	Distance to User			<5mm	<5mm	<5mm	60mm	142.8mm	<5mm
	DFT-s-OFDM BPSK	24.00	251.19	Yes	Yes	Yes	No	No	Yes

ANT5

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
LTE Band 7 (Only for ENDC)	Distance to User			<5mm	<5mm	60mm	<5mm	10mm	134.8mm
	QPSK	21.00	125.89	Yes	Yes	No	Yes	Yes	No
NR n7 (Only for ENDC)	Distance to User			<5mm	<5mm	60mm	<5mm	10mm	134.8mm
	DFT-s-OFDM BPSK	20.5	112.20	Yes	Yes	No	Yes	Yes	No

ANT7

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
LTE Band 7 (Only for ENDC)	Distance to User			<5mm	<5mm	<5mm	57.1mm	<5mm	138.8mm
	QPSK	17.00	50.12	Yes	Yes	Yes	No	Yes	No
WLAN 2.4 G	Distance to User			<5mm	<5mm	<5mm	57.1mm	<5mm	138.8mm
	802.11b	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11g	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT20)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE20)	19.00	79.43	No	No	No	No	No	No
802.11ax(HE40)	19.00	79.43	No	No	No	No	No	No	
Bluetooth	Distance to User			<5mm	<5mm	<5mm	57.1mm	<5mm	138.8mm
	BR/EDR	16.00	39.81	Yes	Yes	Yes	No	Yes	No
	BLE	11.00	12.59	No	No	No	No	No	No

ANT8

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 5.2 G	Distance to User			<5mm	<5mm	15mm	48.1mm	<5mm	146.8mm
	802.11a	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	13.00	19.95	No	No	No	No	No	No
	802.11ax(HE20)	19.50	89.13	No	No	No	No	No	No
	802.11ax(HE40)	19.50	89.13	No	No	No	No	No	No
802.11ax(HE80)	13.00	19.95	No	No	No	No	No	No	
WLAN 5.3 G	Distance to User			<5mm	<5mm	15mm	48.1mm	<5mm	146.8mm
	802.11a	19.50	89.13	No	No	No	No	No	No
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	12.50	17.78	No	No	No	No	No	No
	802.11ax(HE20)	19.50	89.13	No	No	No	No	No	No
	802.11ax(HE40)	19.50	89.13	No	No	No	No	No	No
802.11ax(HE80)	12.50	17.78	No	No	No	No	No	No	
WLAN 5.6 G	Distance to User			<5mm	<5mm	15mm	48.1mm	<5mm	146.8mm
	802.11a	19.50	89.13	No	No	No	No	No	No
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	18.50	70.79	No	No	No	No	No	No
	802.11ax(HE20)	19.50	89.13	No	No	No	No	No	No
	802.11ax(HE40)	19.50	89.13	No	No	No	No	No	No
802.11ax(HE80)	18.50	70.79	No	No	No	No	No	No	
WLAN 5.8 G	Distance to User			<5mm	<5mm	15mm	48.1mm	<5mm	146.8mm
	802.11a	19.50	19.50	No	No	No	No	No	No
	802.11n(HT20)	19.50	19.50	No	No	No	No	No	No
	802.11n(HT40)	19.50	19.50	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	19.50	19.50	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	19.50	No	No	No	No	No	No
	802.11ac(VHT80)	18.50	70.79	No	No	No	No	No	No
	802.11ax(HE20)	19.50	19.50	No	No	No	No	No	No
	802.11ax(HE40)	19.50	19.50	No	No	No	No	No	No
802.11ax(HE80)	18.50	70.79	No	No	No	No	No	No	

Note:

1. Maximum power is the source-based time-average power and represents the maximum RF output power including tune-up tolerance among production units
2. Per KDB 447498 D01, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. Per KDB 447498 D01, standalone SAR test exclusion threshold is applied; If the distance of the antenna to the user is < 5mm, 5mm is used to determine SAR exclusion threshold
4. Per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

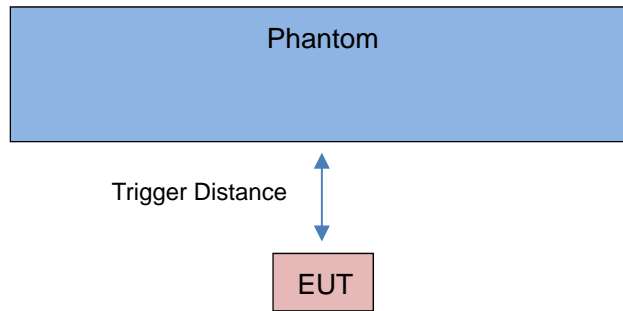
$$\left[\frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0$$
 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR
 - a. $f(\text{GHz})$ is the RF channel transmit frequency in GHz
 - b. Power and distance are rounded to the nearest mW and mm before calculation
 - c. The result is rounded to one decimal place for comparison
 - d. For < 50 mm distance, we just calculate mW of the exclusion threshold value (3.0) to do compare.
 This formula is $\left[\frac{3.0}{\sqrt{f(\text{GHz})}} \right] \cdot \text{(min. test separation distance, mm)} = \text{exclusion threshold of mW}$.
5. Per KDB 447498 D01, at 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following
 - a. $\left[\text{Threshold at 50 mm in step 1} \right] + \text{(test separation distance - 50 mm)} \cdot \left(\frac{f(\text{MHz})}{150} \right)$ mW, at 100 MHz to 1500 MHz
 - b. $\left[\text{Threshold at 50 mm in step 1} \right] + \text{(test separation distance - 50 mm)} \cdot 10$ mW at > 1500 MHz and ≤ 6 GHz
6. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If HSDPA /HSUPA /DC-HSDPA output power is < 0.25dB higher than RMC12.2kbps, or reported SAR with RMC 12.2kbps setting is ≤ 1.2 W/kg, HSDPA/HSUPA/DC-HSDPA SAR evaluation can be excluded.
7. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion.8. For each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4dB higher than those measured at the lowest data rate
8. Per KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions.
 - a. When KDB Publication 447498 D01 SAR test exclusion applies to the OFDM configuration.
 - b. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
9. Per KDB 248227 D01 SAR is not required for the following U-NII-1 and U-NII-2A bands conditions.
 - a. When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.
 - b. When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.

10 PROXIMITY SENSOR TRIGGERING TEST

10.1 Procedures for determining proximity sensor distance

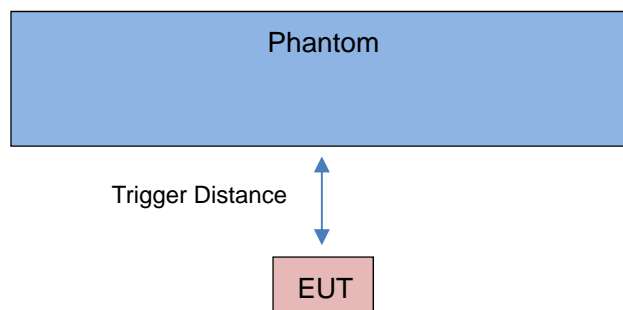
Proximity sensor triggering distance testing was performed, EUT moving further away from the phantom and EUT moving toward the phantom were both assessed, and the shortest triggering distances were reported and used for SAR assessment.

10.1.1 proximity sensor channel-1



Distance in mm	14	15	16	17	18	19	20	21	22
Front Side	On	On	On	On	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	Off	Off	Off	Off

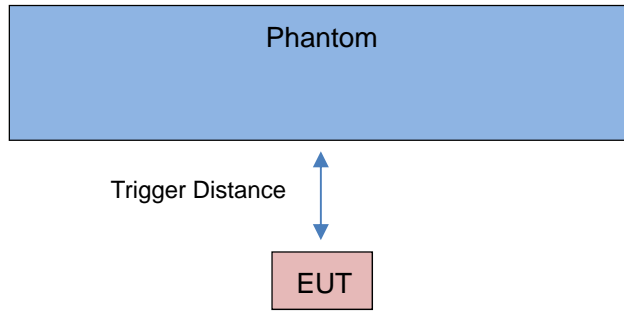
Note: Power reduction is only applicable for WLAN 2.4G ANT7 and WLAN 5G ANT8



Distance in mm	19	20	21	22	23	24	25	26	27
Leftt Edge	On	On	On	On	On	Off	Off	Off	Off
Top Edge	On	On	On	On	Off	Off	Off	Off	Off

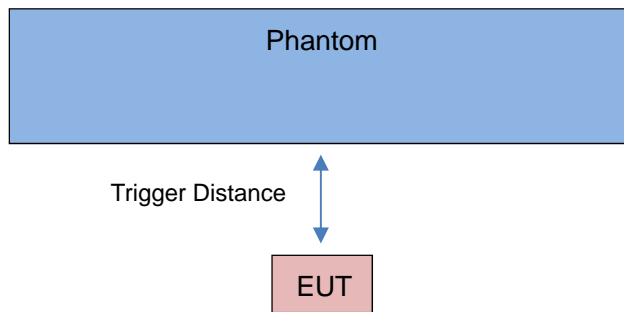
Note: Power reduction is only applicable for WLAN 2.4G ANT7 and WLAN 5G ANT8

10.1.2 proximity sensor channel-2



Distance in mm	19	20	21	22	23	24	25	26	27
Front Side	On	On	On	On	Off	Off	Off	Off	Off
Back Side	On	On	On	On	Off	Off	Off	Off	Off
Bottom Edge	On	On	On	On	On	Off	Off	Off	Off

Note: Power reduction is only applicable for WWAN Ant 1 (GSM850,WCDMA5,LTE B5/12/17/26,NR N5) and WWAN Ant 4 (GSM1900,WCDMA2/4,LTE B2/4/7/38/41/66,NR N7/38/41)



Distance in mm	13	14	15	16	17	18	19	20	21
Right Edge	On	On	On	On	Off	Off	Off	Off	Off

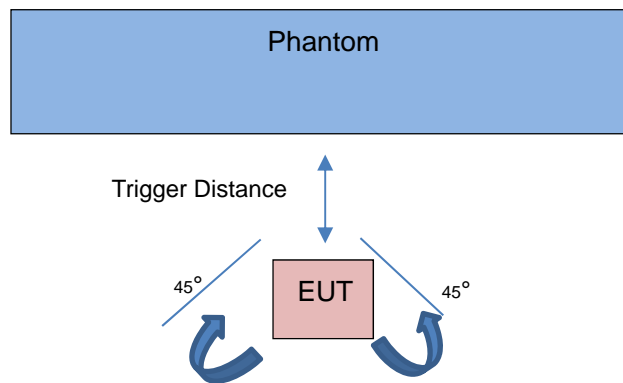
Note: Power reduction is only applicable for WWAN Ant 1 (GSM850,WCDMA5,LTE B5/12/17/26,NR N5) and WWAN Ant 4 (GSM1900,WCDMA2/4,LTE B2/4/7/38/41/66,NR N7/38/41)

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

The influence of EUT tilt angles to proximity sensor channel-1 triggering was determined by positioning each EUT edge that contains a transmitting antenna 7/8, perpendicular to the flat phantom, at 17 mm separation for the front side, 18 mm separation for the back side, 23 mm separation for the left edge and 22 mm separation for the top edge.

The influence of EUT tilt angles to proximity sensor channel-2 triggering was determined by positioning each EUT edge that contains a transmitting antenna 1/4, perpendicular to the flat phantom, at 22 mm separation for the front side, 22 mm separation for the back side, 16 mm separation for the right edge and 23 mm separation for the bottom edge.

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



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

proximity sensor channel-1

EUT Sides	Additional SAR test Distance in mm
Front Side	17
Back Side	18
Left Edge	23
Top Edge	22

proximity sensor channel-2

EUT Sides	Additional SAR test Distance in mm
Front Side	22
Back Side	22
Right Edge	16
Bottom Edge	23

11 TEST RESULT

11.1 GSM 850

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
ANT0	Level1	N/A	GPRS (2slots)	Left Cheek	0	190	836.6	0.17	0.755	29.26	30.00	1.186	0.896	/
	Level1	N/A			0	128	824.2	-0.12	0.748	29.01	30.00	1.257	0.940	/
	Level1	N/A			0	251	848.8	0.12	0.790	29.18	30.00	1.208	0.954	1#
	Level1	N/A		Left Tilt	0	190	836.6	0.17	0.103	29.26	30.00	1.186	0.122	/
	Level1	N/A		Right Cheek	0	190	836.6	0.15	0.407	29.26	30.00	1.186	0.483	/
	Level1	N/A		Right Tilt	0	190	836.6	0.01	0.087	29.26	30.00	1.186	0.103	/
ANT0	Level2&3	N/A	GPRS (2slots)	Left Cheek	0	190	836.6	-0.02	0.261	24.45	25.00	1.136	0.297	/
	Level2&3	N/A		Left Tilt	0	190	836.6	-0.16	0.044	24.45	25.00	1.136	0.050	/
	Level2&3	N/A		Right Cheek	0	190	836.6	0.03	0.185	24.45	25.00	1.136	0.210	/
	Level2&3	N/A		Right Tilt	0	190	836.6	0.15	0.015	24.45	25.00	1.136	0.017	/
ANT1	Level1&2&3	N/A	GPRS (2slots)	Left Cheek	0	190	836.6	0.02	0.080	30.48	32.00	1.419	0.114	/
	Level1&2&3	N/A		Left Tilt	0	190	836.6	-0.18	0.055	30.48	32.00	1.419	0.078	/
	Level1&2&3	N/A		Right Cheek	0	190	836.6	0.05	0.104	30.48	32.00	1.419	0.148	/
	Level1&2&3	N/A		Right Tilt	0	190	836.6	0.12	0.065	30.48	32.00	1.419	0.093	/
Body-worn Accessory														
ANT0	Level4	/	GPRS (2slots)	Front Side	15	190	836.6	0.09	0.278	30.17	31.50	1.358	0.377	/
	Level4	/		Back Side	15	190	836.6	-0.08	0.323	30.17	31.50	1.358	0.439	2#
ANT1	Level4	ON2	GPRS (2slots)	Front Side	15	190	836.6	-0.01	0.152	30.48	32.00	1.419	0.216	/
	Level4	ON2		Back Side	15	190	836.6	-0.11	0.188	30.48	32.00	1.419	0.267	/
Hotspot														
ANT0	Level5&6	/	GPRS (2slots)	Front Side	10	190	836.6	-0.01	0.378	30.17	31.50	1.358	0.513	/
	Level5&6	/		Back Side	10	190	836.6	0.04	0.459	30.17	31.50	1.358	0.624	/
	Level5&6	/		Right Edge	10	190	836.6	0.18	0.633	30.17	31.50	1.358	0.860	3#
	Level5&6	/			10	128	824.2	-0.10	0.611	30.04	31.50	1.400	0.855	/
	Level5&6	/			10	251	848.8	0.08	0.609	30.16	31.50	1.363	0.830	/
	Level5&6	/		Top Edge	10	190	836.6	-0.05	0.017	30.17	31.50	1.358	0.023	/
ANT1	Level5&6	ON2	GPRS (2slots)	Front Side	10	190	836.6	0.04	0.185	30.48	32.00	1.419	0.262	/
	Level5&6	ON2		Back Side	10	190	836.6	-0.09	0.241	30.48	32.00	1.419	0.341	/
	Level5&6	/		Left Edge	10	190	836.6	0.08	0.237	30.48	32.00	1.419	0.336	/
	Level5&6	ON2		Right Edge	10	190	836.6	0.06	0.051	30.48	32.00	1.419	0.073	/
	Level5&6	ON2		Bottom Edge	10	190	836.6	-0.17	0.139	30.48	32.00	1.419	0.197	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.2 GSM 1900

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
ANT3	Level1	N/A	GPRS (4slots)	Left Cheek	0	661	1880.0	-0.08	0.558	20.06	20.70	1.159	0.647	/
	Level1	N/A		Left Tilt	0	661	1880.0	-0.06	0.674	20.06	20.70	1.159	0.781	/
	Level1	N/A		Right Cheek	0	661	1880.0	0.02	0.801	20.06	20.70	1.159	0.928	/
	Level1	N/A			0	512	1850.2	0.18	0.778	20.06	20.70	1.159	0.902	/
	Level1	N/A		Right Tilt	0	810	1909.8	0.14	0.760	20.03	20.70	1.166	0.886	/
	Level1	N/A			0	661	1880.0	-0.14	0.907	20.06	20.70	1.159	1.051	4#
	Level1	N/A			0	512	1850.2	0.01	0.842	20.06	20.70	1.159	0.976	/
	Level1	N/A			0	810	1909.8	0.03	0.863	20.03	20.70	1.166	1.006	/
ANT3	Level2&3	N/A	GPRS (4slots)	Left Cheek	0	661	1880.0	0.16	0.147	16.15	16.70	1.135	0.167	/
	Level2&3	N/A		Left Tilt	0	661	1880.0	0.06	0.225	16.15	16.70	1.135	0.255	/
	Level2&3	N/A		Right Cheek	0	661	1880.0	0.15	0.269	16.15	16.70	1.135	0.305	/
	Level2&3	N/A		Right Tilt	0	661	1880.0	0.06	0.374	16.15	16.70	1.135	0.424	/
ANT4	Level1&2&3	N/A	GPRS (4slots)	Left Cheek	0	661	1880.0	-0.04	0.049	25.09	26.00	1.234	0.060	/
	Level1&2&3	N/A		Left Tilt	0	661	1880.0	0.19	0.045	25.09	26.00	1.234	0.056	/
	Level1&2&3	N/A		Right Cheek	0	661	1880.0	0.08	0.071	25.09	26.00	1.234	0.088	/
	Level1&2&3	N/A		Right Tilt	0	661	1880.0	-0.18	0.036	25.09	26.00	1.234	0.044	/
Body-worn Accessory														
ANT3	Level4	/	GPRS (4slots)	Front Side	15	661	1880.0	0.12	0.141	24.16	25.20	1.272	0.179	/
	Level4	/		Back Side	15	661	1880.0	-0.04	0.192	24.16	25.20	1.272	0.244	/
ANT4	Level4	ON2	GPRS (4slots)	Front Side	15	512	1850.2	-0.18	0.173	25.09	26.00	1.234	0.213	/
	Level4	ON2		Back Side	15	512	1850.2	0.02	0.221	25.09	26.00	1.234	0.273	5#
Hotspot														
ANT3	Level5&6	/	GPRS (4slots)	Front Side	10	661	1880.0	-0.09	0.207	22.08	22.70	1.153	0.239	/
	Level5&6	/		Back Side	10	661	1880.0	0.10	0.338	22.08	22.70	1.153	0.390	/
	Level5&6	/		Right Edge	10	661	1880.0	0.13	0.068	22.08	22.70	1.153	0.078	/
	Level5&6	/		Top Edge	10	661	1880.0	-0.01	0.552	22.08	22.70	1.153	0.636	/
ANT4	Level5&6	ON2	GPRS (4slots)	Front Side	10	512	1850.2	-0.08	0.371	24.52	25.00	1.116	0.414	/
	Level5&6	ON2		Back Side	10	512	1850.2	-0.17	0.479	24.52	25.00	1.116	0.535	/
	Level5&6	/		Left Edge	10	512	1850.2	0.17	0.218	25.09	26.00	1.234	0.269	/
	Level5&6	ON2		Bottom Edge	10	512	1850.2	-0.14	0.594	24.52	25.00	1.116	0.663	6#
P-sensor Off														
ANT4	/	OFF	GPRS (4slots)	Front Side	21	512	1850.2	0.09	0.148	25.09	26.00	1.234	0.183	/
	/	OFF		Back Side	21	512	1850.2	0.19	0.140	25.09	26.00	1.234	0.173	/
	/	OFF		Bottom Edge	22	512	1850.2	0.09	0.209	25.09	26.00	1.234	0.258	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.3WCDMA Band 2

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
ANT3	Level1	N/A	RMC	Left Cheek	0	9538	1907.6	0.08	0.411	16.57	17.70	1.297	0.533	/
	Level1	N/A		Left Tilt	0	9538	1907.6	-0.15	0.434	16.57	17.70	1.297	0.563	/
	Level1	N/A		Right Cheek	0	9538	1907.6	0.15	0.586	16.57	17.70	1.297	0.760	/
	Level1	N/A		Right Tilt	0	9538	1907.6	0.19	0.819	16.57	17.70	1.297	1.062	/
	Level1	N/A			0	9262	1852.4	-0.02	0.778	16.44	17.70	1.337	1.040	/
	Level1	N/A			0	9400	1880.0	-0.04	0.830	16.54	17.70	1.306	1.084	7#
ANT3	Level2&3	N/A	RMC	Left Cheek	0	9538	1907.6	-0.19	0.112	12.00	13.20	1.318	0.148	/
	Level2&3	N/A		Left Tilt	0	9538	1907.6	0.12	0.139	12.00	13.20	1.318	0.183	/
	Level2&3	N/A		Right Cheek	0	9538	1907.6	-0.04	0.176	12.00	13.20	1.318	0.232	/
	Level2&3	N/A		Right Tilt	0	9538	1907.6	0.08	0.247	12.00	13.20	1.318	0.326	/
ANT4	Level1&2&3	N/A	RMC	Left Cheek	0	9262	1852.4	-0.09	0.105	23.08	24.50	1.387	0.146	/
	Level1&2&3	N/A		Left Tilt	0	9262	1852.4	-0.07	0.095	23.08	24.50	1.387	0.132	/
	Level1&2&3	N/A		Right Cheek	0	9262	1852.4	-0.19	0.160	23.08	24.50	1.387	0.222	/
	Level1&2&3	N/A		Right Tilt	0	9262	1852.4	0.15	0.077	23.08	24.50	1.387	0.107	/
Body-worn Accessory														
ANT3	Level4	/	RMC	Front Side	15	9538	1907.6	-0.02	0.092	20.41	21.70	1.346	0.124	/
	Level4	/		Back Side	15	9538	1907.6	0.08	0.173	20.41	21.70	1.346	0.233	/
ANT4	Level4	ON2	RMC	Front Side	15	9400	1880.0	0.11	0.203	22.23	23.50	1.340	0.272	/
	Level4	ON2		Back Side	15	9400	1880.0	0.17	0.258	22.23	23.50	1.340	0.346	8#
Hotspot														
ANT3	Level5&6	/	RMC	Front Side	10	9400	1880.0	-0.10	0.207	18.56	19.70	1.300	0.269	/
	Level5&6	/		Back Side	10	9400	1880.0	-0.11	0.321	18.56	19.70	1.300	0.417	/
	Level5&6	/		Right Edge	10	9400	1880.0	0.03	0.067	18.56	19.70	1.300	0.087	/
	Level5&6	/		Top Edge	10	9400	1880.0	-0.16	0.496	18.56	19.70	1.300	0.645	/
ANT4	Level5&6	ON2	RMC	Front Side	10	9400	1880.0	0.19	0.367	21.07	22.50	1.390	0.510	/
	Level5&6	ON2		Back Side	10	9400	1880.0	0.18	0.462	21.07	22.50	1.390	0.642	/
	Level5&6	/		Left Edge	10	9262	1852.4	0.15	0.318	23.08	24.50	1.387	0.441	/
	Level5&6	ON2		Bottom Edge	10	9400	1880.0	-0.19	0.844	21.07	22.50	1.390	1.173	9#
	Level5&6	ON2			10	9262	1852.4	0.03	0.759	20.96	22.50	1.426	1.082	/
	Level5&6	ON2			10	9538	1907.6	-0.10	0.773	21.01	22.50	1.409	1.089	/
P-sensor Off														
ANT4	/	OFF	RMC	Front Side	21	9262	1852.4	0.16	0.210	23.08	24.50	1.387	0.291	/
	/	OFF		Back Side	21	9262	1852.4	-0.01	0.229	23.08	24.50	1.387	0.318	/
	/	OFF		Bottom Edge	22	9262	1852.4	-0.14	0.317	23.08	24.50	1.387	0.440	/

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

Antenna	Power Reduction	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific 10g														
ANT4	Level4	ON2	RMC	Bottom Edge	0	9400	1880.0	0.04	0.622	22.23	23.50	1.340	0.833	10#
	Level4	ON2			0	9262	1852.4	0.11	0.602	22.11	23.50	1.377	0.829	/
	Level4	ON2			0	9538	1907.6	0.08	0.581	22.20	23.50	1.349	0.784	/

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

11.4 WCDMA Band 4

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
ANT3	Level1	N/A	RMC	Left Cheek	0	1412	1732.4	-0.04	0.234	16.98	17.70	1.180	0.276	/
	Level1	N/A		Left Tilt	0	1412	1732.4	-0.15	0.310	16.98	17.70	1.180	0.366	/
	Level1	N/A		Right Cheek	0	1412	1732.4	0.02	0.351	16.98	17.70	1.180	0.414	/
	Level1	N/A		Right Tilt	0	1412	1732.4	0.06	0.466	16.98	17.70	1.180	0.550	11#
ANT3	Level2&3	N/A	RMC	Left Cheek	0	1312	1712.4	-0.12	0.159	15.06	15.70	1.159	0.184	/
	Level2&3	N/A		Left Tilt	0	1312	1712.4	-0.07	0.184	15.06	15.70	1.159	0.213	/
	Level2&3	N/A		Right Cheek	0	1312	1712.4	-0.05	0.209	15.06	15.70	1.159	0.242	/
	Level2&3	N/A		Right Tilt	0	1312	1712.4	0.18	0.339	15.06	15.70	1.159	0.393	/
ANT4	Level1&2&3	N/A	RMC	Left Cheek	0	1412	1732.4	-0.17	0.105	23.43	24.50	1.279	0.134	/
	Level1&2&3	N/A		Left Tilt	0	1412	1732.4	-0.18	0.088	23.43	24.50	1.279	0.113	/
	Level1&2&3	N/A		Right Cheek	0	1412	1732.4	0.02	0.151	23.43	24.50	1.279	0.193	/
	Level1&2&3	N/A		Right Tilt	0	1412	1732.4	0.12	0.104	23.43	24.50	1.279	0.133	/
Body-worn Accessory														
ANT3	Level4	/	RMC	Front Side	15	1412	1732.4	0.12	0.089	20.89	21.70	1.205	0.107	/
	Level4	/		Back Side	15	1412	1732.4	0.19	0.143	20.89	21.70	1.205	0.172	/
ANT4	Level4	ON2	RMC	Front Side	15	1412	1732.4	-0.07	0.162	21.40	22.50	1.288	0.209	/
	Level4	ON2		Back Side	15	1412	1732.4	-0.17	0.207	21.40	22.50	1.288	0.267	12#
Hotspot														
ANT3	Level5&6	/	RMC	Front Side	10	1412	1732.4	-0.07	0.157	20.45	21.20	1.189	0.187	/
	Level5&6	/		Back Side	10	1412	1732.4	-0.08	0.242	20.45	21.20	1.189	0.288	/
	Level5&6	/		Right Edge	10	1412	1732.4	0.07	0.012	20.45	21.20	1.189	0.014	/
	Level5&6	/		Top Edge	10	1412	1732.4	0.00	0.307	20.45	21.20	1.189	0.365	/
ANT4	Level5&6	ON2	RMC	Front Side	10	1412	1732.4	0.06	0.333	21.09	22.00	1.233	0.411	/
	Level5&6	ON2		Back Side	10	1412	1732.4	0.01	0.431	21.09	22.00	1.233	0.531	/
	Level5&6	/		Left Edge	10	1412	1732.4	0.15	0.517	23.43	24.50	1.279	0.661	/
	Level5&6	ON2		Bottom Edge	10	1412	1732.4	-0.08	0.714	21.09	22.00	1.233	0.880	13#
	Level5&6	ON2			10	1312	1712.4	-0.17	0.663	21.03	22.00	1.250	0.829	/
	Level5&6	ON2			10	1513	1752.6	0.08	0.672	21.08	22.00	1.236	0.831	/

P-sensor Off

ANT4	/	OFF	RMC	Front Side	21	1412	1732.4	0.04	0.124	23.43	24.50	1.279	0.159	/
	/	OFF		Back Side	21	1412	1732.4	-0.14	0.166	23.43	24.50	1.279	0.212	/
	/	OFF		Bottom Edge	22	1412	1732.4	-0.16	0.213	23.43	24.50	1.279	0.273	/

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

11.5WCDMA Band 5

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
ANT0	Level1	N/A	RMC	Left Cheek	0	4132	826.4	0.15	0.778	22.40	23.50	1.288	1.002	/
	Level1	N/A			0	4182	836.4	-0.04	0.758	22.30	23.50	1.318	1.000	/
	Level1	N/A			0	4233	846.6	0.16	0.789	22.27	23.50	1.327	1.047	14#
	Level1	N/A		Left Tilt	0	4132	826.4	-0.03	0.100	22.40	23.50	1.288	0.129	/
	Level1	N/A		Right Cheek	0	4132	826.4	-0.18	0.443	22.40	23.50	1.288	0.570	/
	Level1	N/A		Right Tilt	0	4132	826.4	0.08	0.091	22.40	23.50	1.288	0.117	/
ANT0	Level2&3	N/A	RMC	Left Cheek	0	4233	846.6	0.06	0.223	17.36	18.00	1.159	0.258	/
	Level2&3	N/A		Left Tilt	0	4233	846.6	-0.16	0.027	17.45	18.00	1.135	0.031	/
	Level2&3	N/A		Right Cheek	0	4233	846.6	-0.17	0.125	17.45	18.00	1.135	0.142	/
	Level2&3	N/A		Right Tilt	0	4233	846.6	0.18	0.024	17.45	18.00	1.135	0.027	/
ANT1	Level1&2&3	N/A	RMC	Left Cheek	0	4132	826.4	-0.06	0.072	24.01	25.00	1.256	0.091	/
	Level1&2&3	N/A		Left Tilt	0	4132	826.4	-0.12	0.046	24.01	25.00	1.256	0.058	/
	Level1&2&3	N/A		Right Cheek	0	4132	826.4	-0.16	0.101	24.01	25.00	1.256	0.127	/
	Level1&2&3	N/A		Right Tilt	0	4132	826.4	0.14	0.060	24.01	25.00	1.256	0.075	/

Body-worn Accessory

ANT0	Level4	/	RMC	Front Side	15	4132	826.4	0.09	0.230	23.40	24.50	1.288	0.296	/
	Level4	/		Back Side	15	4132	826.4	-0.20	0.309	23.40	24.50	1.288	0.398	15#
ANT1	Level4	ON2	RMC	Front Side	15	4132	826.4	-0.14	0.115	24.01	25.00	1.256	0.145	/
	Level4	ON2		Back Side	15	4132	826.4	-0.04	0.136	24.01	25.00	1.256	0.171	/

Hotspot

ANT0	Level5&6	/	RMC	Front Side	10	4132	826.4	-0.09	0.431	23.40	24.50	1.288	0.555	/
	Level5&6	/		Back Side	10	4132	826.4	0.08	0.512	23.40	24.50	1.288	0.659	/
	Level5&6	/		Right Edge	10	4132	826.4	-0.04	0.677	23.40	24.50	1.288	0.872	16#
	Level5&6	/			10	4182	836.4	0.13	0.659	23.29	24.50	1.321	0.870	/
	Level5&6	/			10	4132	826.4	0.17	0.656	23.29	24.50	1.321	0.866	/
	Level5&6	/		Top Edge	10	4132	826.4	-0.01	0.025	23.40	24.50	1.288	0.032	/
ANT1	Level5&6	ON2	RMC	Front Side	10	4132	826.4	0.16	0.210	24.01	25.00	1.256	0.263	/
	Level5&6	ON2		Back Side	10	4132	826.4	-0.07	0.268	24.01	25.00	1.256	0.337	/
	Level5&6	/		Left Edge	10	4132	826.4	0.04	0.240	24.01	25.00	1.256	0.301	/
	Level5&6	ON2		Right Edge	10	4132	826.4	-0.08	0.067	24.01	25.00	1.256	0.084	/
	Level5&6	ON2		Bottom Edge	10	4132	826.4	0.04	0.150	24.01	25.00	1.256	0.188	/

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

11.6LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.		
Head																		
ANT3	Level1	N/A	QPSK	Left Cheek	0	18900	1880	1	Mid	-0.14	0.486	17.21	18.20	1.256	0.610	/		
	Level1	N/A			0	18700	1860	50	Mid	-0.11	0.498	17.26	18.20	1.242	0.618	/		
	Level1	N/A		Left Tilt	0	18900	1880	1	Mid	-0.15	0.591	17.21	18.20	1.256	0.742	/		
	Level1	N/A			0	18700	1860	50	Mid	-0.16	0.610	17.26	18.20	1.242	0.757	/		
	Level1	N/A		Right Cheek	0	18900	1880	1	Mid	-0.13	0.711	17.21	18.20	1.256	0.893	/		
	Level1	N/A			0	18700	1860	1	Mid	-0.14	0.702	17.17	18.20	1.268	0.890	/		
	Level1	N/A			0	19100	1900	1	Mid	-0.06	0.716	17.17	18.20	1.268	0.908	/		
	Level1	N/A			0	18700	1860	50	Mid	0.09	0.723	17.26	18.20	1.242	0.898	/		
	Level1	N/A			0	18900	1880	50	Mid	0.04	0.712	17.25	18.20	1.245	0.886	/		
	Level1	N/A			0	19100	1900	50	Low	-0.02	0.709	17.17	18.20	1.268	0.899	/		
	Level1	N/A		Right Tilt	0	18900	1880	100	Low	-0.08	0.733	17.18	18.20	1.265	0.927	/		
	Level1	N/A			0	18900	1880	1	Mid	0.06	0.869	17.21	18.20	1.256	1.091	/		
	Level1	N/A			0	18700	1860	1	Mid	-0.16	0.838	17.17	18.20	1.268	1.062	/		
	Level1	N/A			0	19100	1900	1	Mid	0.04	0.875	17.17	18.20	1.268	1.109	/		
	Level1	N/A			0	18700	1860	50	Mid	-0.09	0.879	17.26	18.20	1.242	1.091	/		
	Level1	N/A			0	18900	1880	50	Mid	-0.18	0.859	17.25	18.20	1.245	1.069	/		
	Level1	N/A			0	19100	1900	50	Low	-0.04	0.909	17.17	18.20	1.268	1.152	17#		
	Level1	N/A			0	18900	1880	100	Low	0.00	0.889	17.18	18.20	1.265	1.124	/		
	ANT3	Level2&3		N/A	QPSK	Left Cheek	0	18900	1880	1	Mid	0.01	0.170	13.03	13.70	1.167	0.198	/
		Level2&3		N/A			0	18700	1860	50	High	0.07	0.171	13.04	13.70	1.164	0.199	/
Level2&3		N/A	Left Tilt	0		18900	1880	1	Mid	0.02	0.216	13.03	13.70	1.167	0.252	/		
Level2&3		N/A		0		18700	1860	50	High	0.03	0.211	13.04	13.70	1.164	0.246	/		
Level2&3		N/A	Right Cheek	0		18900	1880	1	Mid	-0.16	0.238	13.03	13.70	1.167	0.278	/		
Level2&3		N/A		0		18700	1860	50	High	0.08	0.248	13.04	13.70	1.164	0.289	/		
Level2&3		N/A	Right Tilt	0		18900	1880	1	Mid	0.05	0.301	13.03	13.70	1.167	0.351	/		
Level2&3		N/A		0		18700	1860	50	High	0.19	0.339	13.04	13.70	1.164	0.395	/		
ANT4	Level1&2&3	N/A	QPSK	Left Cheek	0	18700	1860	1	Mid	-0.05	0.104	23.21	24.00	1.199	0.125	/		
	Level1&2&3	N/A			0	18900	1880	50	Mid	0.19	0.085	22.17	23.00	1.211	0.103	/		
	Level1&2&3	N/A		Left Tilt	0	18700	1860	1	Mid	0.01	0.093	23.21	24.00	1.199	0.112	/		
	Level1&2&3	N/A			0	18900	1880	50	Mid	-0.07	0.076	22.17	23.00	1.211	0.092	/		
	Level1&2&3	N/A		Right Cheek	0	18700	1860	1	Mid	-0.08	0.146	23.21	24.00	1.199	0.175	/		
	Level1&2&3	N/A			0	18900	1880	50	Mid	-0.17	0.112	22.17	23.00	1.211	0.136	/		
	Level1&2&3	N/A		Right Tilt	0	18700	1860	1	Mid	-0.07	0.084	23.21	24.00	1.199	0.101	/		
	Level1&2&3	N/A			0	18900	1880	50	Mid	-0.08	0.075	22.17	23.00	1.211	0.091	/		
Body-worn Accessory																		
ANT3	Level4	/	QPSK	Front Side	15	19100	1900	1	Mid	-0.15	0.186	21.67	22.20	1.130	0.210	/		
	Level4	/			15	18700	1860	50	High	0.01	0.184	21.65	22.20	1.135	0.209	/		
	Level4	/		Back Side	15	19100	1900	1	Mid	-0.04	0.267	21.67	22.20	1.130	0.302	/		
	Level4	/			15	18700	1860	50	High	0.05	0.284	21.65	22.20	1.135	0.322	/		



ANT4	Level4	ON2	QPSK	Front Side	15	18700	1860	1	Low	0.07	0.178	21.38	23.00	1.452	0.258	/
	Level4	ON2			15	19100	1900	50	Low	0.07	0.178	21.45	23.00	1.429	0.254	/
	Level4	ON2		Back Side	15	18900	1880	1	Low	0.08	0.231	21.38	23.00	1.452	0.335	18#
	Level4	ON2			15	19100	1900	50	Low	-0.14	0.230	21.45	23.00	1.429	0.329	/
Hotspot																
ANT3	Level5&6	/	QPSK	Front Side	10	19100	1900	1	Mid	0.17	0.213	19.04	19.70	1.164	0.248	/
	Level5&6	/			10	18700	1860	50	Mid	-0.10	0.203	19.05	19.70	1.161	0.236	/
	Level5&6	/		Back Side	10	19100	1900	1	Mid	-0.16	0.324	19.04	19.70	1.164	0.377	/
	Level5&6	/			10	18700	1860	50	Mid	-0.18	0.327	19.05	19.70	1.161	0.380	/
	Level5&6	/		Right Edge	10	18900	1880	1	Mid	-0.15	0.079	19.04	19.70	1.164	0.092	/
	Level5&6	/			10	18700	1860	50	Mid	0.16	0.066	19.05	19.70	1.161	0.077	/
	Level5&6	/		Top Edge	10	19100	1900	1	Mid	0.07	0.466	19.04	19.70	1.164	0.542	/
	Level5&6	/			10	18700	1860	50	Mid	0.12	0.423	19.05	19.70	1.161	0.491	/
ANT4	Level5&6	ON2	QPSK	Front Side	10	18700	1860	1	Mid	0.04	0.328	20.58	21.50	1.236	0.405	/
	Level5&6	ON2			10	18700	1860	50	Mid	-0.07	0.335	20.58	21.50	1.236	0.414	/
	Level5&6	ON2		Back Side	10	18700	1860	1	Mid	-0.04	0.417	20.58	21.50	1.236	0.515	/
	Level5&6	ON2			10	18700	1860	50	Mid	0.06	0.433	20.58	21.50	1.236	0.535	/
	Level5&6	/		Left Edge	10	18700	1860	1	Mid	-0.11	0.291	23.21	24.00	1.199	0.349	/
	Level5&6	/			10	18900	1880	50	Mid	-0.12	0.228	22.17	23.00	1.211	0.276	/
	Level5&6	ON2		Bottom Edge	10	18700	1860	1	Mid	-0.16	0.659	20.58	21.50	1.236	0.814	/
	Level5&6	ON2			10	18900	1880	1	Mid	-0.15	0.667	20.58	21.50	1.236	0.824	19#
	Level5&6	ON2			10	19100	1900	1	Mid	-0.05	0.563	20.36	21.50	1.300	0.732	/
	Level5&6	ON2			10	18700	1860	50	Mid	-0.03	0.601	20.58	21.50	1.236	0.743	/
	Level5&6	ON2			10	18700	1860	100	Low	0.00	0.582	20.49	21.50	1.262	0.734	/
P-sensor Off																
ANT4	/	OFF	QPSK	Front Side	21	18700	1860	1	Mid	0.03	0.197	23.21	24.00	1.199	0.236	/
	/	OFF			21	18900	1880	50	Mid	-0.02	0.155	22.17	23.00	1.211	0.188	/
	/	OFF		Back Side	21	18700	1860	1	Mid	-0.12	0.251	23.21	24.00	1.199	0.301	/
	/	OFF			21	18900	1880	50	Mid	0.01	0.196	22.17	23.00	1.211	0.237	/
	/	OFF		Bottom Edge	22	18700	1860	1	Mid	0.19	0.302	23.21	24.00	1.199	0.362	/
	/	OFF			22	18900	1880	50	Mid	0.13	0.237	22.17	23.00	1.211	0.287	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.7LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
ANT3	Level1	N/A	QPSK	Left Cheek	0	20300	1745	1	Mid	-0.13	0.241	17.24	18.20	1.247	0.301	/
	Level1	N/A			0	20300	1745	50	High	-0.08	0.215	17.28	18.20	1.236	0.266	/
	Level1	N/A		Left Tilt	0	20300	1745	1	Mid	0.10	0.334	17.24	18.20	1.247	0.417	/
	Level1	N/A			0	20300	1745	50	High	0.00	0.296	17.28	18.20	1.236	0.366	/
	Level1	N/A		Right Cheek	0	20300	1745	1	Mid	-0.14	0.346	17.24	18.20	1.247	0.432	/
	Level1	N/A			0	20300	1745	50	High	0.11	0.306	17.28	18.20	1.236	0.378	/
	Level1	N/A		Right Tilt	0	20300	1745	1	Mid	0.03	0.464	17.24	18.20	1.247	0.579	20#
	Level1	N/A			0	20300	1745	50	High	-0.01	0.426	17.28	18.20	1.236	0.527	/
ANT3	Level2&3	N/A	QPSK	Left Cheek	0	20175	1732.5	1	Mid	-0.14	0.195	15.57	16.20	1.156	0.225	/
	Level2&3	N/A			0	20300	1745	50	High	-0.04	0.196	15.59	16.20	1.151	0.226	/
	Level2&3	N/A		Left Tilt	0	20175	1732.5	1	Mid	-0.16	0.219	15.57	16.20	1.156	0.253	/
	Level2&3	N/A			0	20300	1745	50	High	-0.19	0.221	15.59	16.20	1.151	0.254	/
	Level2&3	N/A		Right Cheek	0	20175	1732.5	1	Mid	-0.18	0.227	15.57	16.20	1.156	0.262	/
	Level2&3	N/A			0	20300	1745	50	High	-0.04	0.235	15.59	16.20	1.151	0.270	/
	Level2&3	N/A		Right Tilt	0	20175	1732.5	1	Mid	-0.03	0.338	15.57	16.20	1.156	0.391	/
	Level2&3	N/A			0	20300	1745	50	High	-0.09	0.334	15.59	16.20	1.151	0.384	/
ANT4	Level1&2&3	N/A	QPSK	Left Cheek	0	20300	1745	1	Mid	0.17	0.099	23.09	24.00	1.233	0.122	/
	Level1&2&3	N/A			0	20175	1732.5	50	High	0.14	0.078	22.16	23.00	1.213	0.095	/
	Level1&2&3	N/A		Left Tilt	0	20300	1745	1	Mid	0.01	0.066	23.09	24.00	1.233	0.081	/
	Level1&2&3	N/A			0	20175	1732.5	50	High	0.15	0.050	22.16	23.00	1.213	0.061	/
	Level1&2&3	N/A		Right Cheek	0	20300	1745	1	Mid	-0.05	0.138	23.09	24.00	1.233	0.170	/
	Level1&2&3	N/A			0	20175	1732.5	50	High	-0.08	0.109	22.16	23.00	1.213	0.132	/
	Level1&2&3	N/A		Right Tilt	0	20300	1745	1	Mid	-0.07	0.073	23.09	24.00	1.233	0.090	/
	Level1&2&3	N/A			0	20175	1732.5	50	High	0.15	0.064	22.16	23.00	1.213	0.078	/
Body-worn Accessory																
ANT3	Level4	/	QPSK	Front Side	15	20175	1732.5	1	High	0.14	0.095	22.15	22.20	1.012	0.096	/
	Level4	/			15	20300	1745	50	Mid	-0.06	0.094	22.07	22.20	1.030	0.097	/
	Level4	/		Back Side	15	20175	1732.5	1	High	-0.08	0.141	22.15	22.20	1.012	0.143	/
	Level4	/			15	20300	1745	50	Mid	-0.05	0.139	22.07	22.20	1.030	0.143	/
ANT4	Level4	ON2	QPSK	Front Side	15	20050	1720	1	Mid	0.08	0.256	21.45	23.00	1.429	0.366	/
	Level4	ON2			15	20050	1720	50	Mid	0.02	0.248	21.45	23.00	1.429	0.354	/
	Level4	ON2		Back Side	15	20050	1720	1	Mid	0.04	0.313	21.45	23.00	1.429	0.447	21#
	Level4	ON2			15	20050	1720	50	Mid	-0.11	0.305	21.45	23.00	1.429	0.436	/
Hotspot																
ANT3	Level5&6	/	QPSK	Front Side	10	20175	1732.5	1	High	0.14	0.142	20.29	21.20	1.233	0.175	/
	Level5&6	/			10	20050	1720	50	High	0.12	0.129	20.28	21.20	1.236	0.159	/
	Level5&6	/		Back Side	10	20175	1732.5	1	High	-0.17	0.222	20.29	21.20	1.233	0.274	/
	Level5&6	/			10	20050	1720	50	High	0.09	0.205	20.28	21.20	1.236	0.253	/
	Level5&6	/		Right Edge	10	20175	1732.5	1	High	0.14	0.015	20.29	21.20	1.233	0.018	/

	Level5&6	/		Top Edge	10	20050	1720	50	High	0.11	0.011	20.28	21.20	1.236	0.014	/
	Level5&6	/			10	20175	1732.5	1	High	-0.05	0.201	20.29	21.20	1.233	0.248	/
	Level5&6	/			10	20050	1720	50	High	0.18	0.340	20.28	21.20	1.236	0.420	/
ANT4	Level5&6	ON2	QPSK	Front Side	10	20175	1732.5	1	High	-0.02	0.378	21.06	22.50	1.393	0.527	/
	Level5&6	ON2			10	20175	1732.5	50	High	0.17	0.386	21.15	22.50	1.365	0.527	/
	Level5&6	ON2		Back Side	10	20175	1732.5	1	High	-0.03	0.484	21.06	22.50	1.393	0.674	/
	Level5&6	ON2			10	20175	1732.5	50	High	0.04	0.497	21.15	22.50	1.365	0.678	/
	Level5&6	/		Left Edge	10	20175	1732.5	1	High	0.13	0.455	23.09	24.00	1.233	0.561	/
	Level5&6	/			10	20175	1732.5	50	High	0.13	0.359	22.16	23.00	1.213	0.436	/
	Level5&6	ON2		Bottom Edge	10	20175	1732.5	1	High	-0.04	0.735	21.06	22.50	1.393	1.024	/
	Level5&6	ON2			10	20050	1720	1	Mid	-0.13	0.702	20.84	22.50	1.466	1.029	/
	Level5&6	ON2			10	20300	1745	1	Mid	-0.03	0.731	21.01	22.50	1.409	1.030	22#
	Level5&6	ON2			10	20175	1732.5	50	High	-0.15	0.728	21.15	22.50	1.365	0.993	/
	Level5&6	ON2			10	20050	1720	50	Mid	-0.01	0.713	20.93	22.50	1.435	1.024	/
	Level5&6	ON2			10	20300	1745	50	High	-0.15	0.730	21.05	22.50	1.396	1.019	/
	Level5&6	ON2		10	20175	1732.5	100	Low	-0.18	0.723	21.04	22.50	1.400	1.012	/	
	P-sensor Off															
ANT4	/	OFF	QPSK	Front Side	21	20300	1745	1	Mid	0.13	0.193	23.09	24.00	1.233	0.238	/
	/	OFF			21	20175	1732.5	50	High	-0.10	0.111	22.16	23.00	1.213	0.135	/
	/	OFF		Back Side	21	20300	1745	1	Mid	0.03	0.254	23.09	24.00	1.233	0.313	/
	/	OFF			21	20175	1732.5	50	High	-0.19	0.208	22.16	23.00	1.213	0.252	/
	/	OFF		Bottom Edge	22	20300	1745	1	Mid	0.01	0.262	23.09	24.00	1.233	0.323	/
	/	OFF			22	20175	1732.5	50	High	-0.17	0.207	22.16	23.00	1.213	0.251	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.8LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
ANT3	Level1	N/A	QPSK	Left Cheek	0	21350	2560	1	Mid	0.12	0.416	16.07	16.50	1.104	0.459	/
	Level1	N/A			0	21350	2560	50	High	0.05	0.424	16.13	16.50	1.089	0.462	/
	Level1	N/A		Left Tilt	0	21350	2560	1	Mid	0.19	0.427	16.07	16.50	1.104	0.471	/
	Level1	N/A			0	21350	2560	50	High	-0.09	0.432	16.13	16.50	1.089	0.470	/
	Level1	N/A		Right Cheek	0	21350	2560	1	Mid	0.02	0.619	16.07	16.50	1.104	0.683	/
	Level1	N/A			0	21350	2560	50	High	0.15	0.637	16.13	16.50	1.089	0.694	/
	Level1	N/A		Right Tilt	0	21350	2560	1	Mid	-0.11	0.823	16.07	16.50	1.104	0.909	/
	Level1	N/A			0	20850	2510	1	Mid	0.11	0.794	15.92	16.50	1.143	0.907	/
	Level1	N/A			0	21100	2535	1	Mid	0.10	0.898	16.03	16.50	1.114	1.001	/
	Level1	N/A			0	21350	2560	50	High	0.13	0.872	16.13	16.50	1.089	0.950	/
	Level1	N/A			0	20850	2510	50	High	0.07	0.945	16.03	16.50	1.114	1.053	23#
	Level1	N/A			0	21100	2535	50	Mid	0.13	0.869	16.03	16.50	1.114	0.968	/
	Level1	N/A		0	21350	2560	100	Low	-0.12	0.801	16.05	16.50	1.109	0.888	/	
	ANT3	Level2&3		N/A	QPSK	Left Cheek	0	21350	2560	1	Mid	-0.16	0.234	13.05	13.50	1.109
Level2&3		N/A	0	21350			2560	50	High	0.08	0.237	13.12	13.50	1.091	0.259	/
Level2&3		N/A	Left Tilt	0		21350	2560	1	Mid	0.11	0.215	13.05	13.50	1.109	0.238	/
Level2&3		N/A		0		21350	2560	50	High	0.08	0.220	13.12	13.50	1.091	0.240	/
Level2&3		N/A	Right Cheek	0		21350	2560	1	Mid	0.06	0.323	13.05	13.50	1.109	0.358	/
Level2&3		N/A		0		21350	2560	50	High	0.10	0.335	13.12	13.50	1.091	0.366	/
Level2&3		N/A	Right Tilt	0		21350	2560	1	Mid	0.18	0.449	13.05	13.50	1.109	0.498	/
Level2&3		N/A		0		21350	2560	50	High	0.12	0.470	13.12	13.50	1.091	0.513	/
ANT4	Level1&2&3	N/A	QPSK	Left Cheek	0	20850	2510	1	Mid	-0.15	0.098	23.59	24.50	1.233	0.121	/
	Level1&2&3	N/A			0	21350	2560	50	Mid	-0.05	0.079	23.64	24.50	1.219	0.096	/
	Level1&2&3	N/A		Left Tilt	0	20850	2510	1	Mid	-0.14	0.082	23.59	24.50	1.233	0.102	/
	Level1&2&3	N/A			0	21350	2560	50	Mid	0.00	0.063	23.64	24.50	1.219	0.077	/
	Level1&2&3	N/A		Right Cheek	0	20850	2510	1	Mid	-0.16	0.104	23.59	24.50	1.233	0.128	/
	Level1&2&3	N/A			0	21350	2560	50	Mid	-0.14	0.080	23.64	24.50	1.219	0.097	/
	Level1&2&3	N/A		Right Tilt	0	20850	2510	1	Mid	0.06	0.055	23.59	24.50	1.233	0.068	/
	Level1&2&3	N/A			0	21350	2560	50	Mid	-0.14	0.043	23.64	24.50	1.219	0.052	/
Body-worn Accessory																
ANT3	Level4	/	QPSK	Front Side	15	21350	2560	1	Mid	0.11	0.178	19.60	20.00	1.096	0.195	/
	Level4	/			15	21350	2560	50	Low	0.15	0.181	19.66	20.00	1.081	0.196	/
	Level4	/		Back Side	15	21350	2560	1	Mid	-0.04	0.300	19.60	20.00	1.096	0.329	/
	Level4	/			15	21350	2560	50	Low	0.04	0.302	19.66	20.00	1.081	0.327	/
ANT4	Level4	ON2	QPSK	Front Side	15	20850	2510	1	Mid	-0.04	0.335	23.59	24.50	1.233	0.413	/
	Level4	ON2			15	21350	2560	50	Mid	-0.07	0.270	22.64	23.50	1.219	0.329	/
	Level4	ON2		Back Side	15	20850	2510	1	Mid	-0.14	0.452	23.59	24.50	1.233	0.557	24#
	Level4	ON2			15	21350	2560	50	Mid	-0.16	0.372	22.64	23.50	1.219	0.453	/
Hotspot																

ANT3	Level5&6	/	QPSK	Front Side	10	21350	2560	1	Mid	0.12	0.186	18.06	18.50	1.107	0.206	/
	Level5&6	/			10	21350	2560	50	High	-0.14	0.191	18.15	18.50	1.084	0.207	/
	Level5&6	/		Back Side	10	21350	2560	1	Mid	0.00	0.303	18.06	18.50	1.107	0.335	/
	Level5&6	/			10	21350	2560	50	High	0.07	0.313	18.15	18.50	1.084	0.339	/
	Level5&6	/		Right Edge	10	21350	2560	1	Mid	-0.16	0.068	18.06	18.50	1.107	0.075	/
	Level5&6	/			10	21350	2560	50	High	-0.19	0.060	18.15	18.50	1.084	0.065	/
	Level5&6	/		Top Edge	10	21350	2560	1	Mid	-0.13	0.631	18.06	18.50	1.107	0.698	/
	Level5&6	/			10	21350	2560	50	High	0.17	0.683	18.15	18.50	1.084	0.740	/
ANT4	Level5&6	ON2	QPSK	Front Side	10	21350	2560	1	Mid	-0.07	0.491	22.84	23.50	1.164	0.572	/
	Level5&6	ON2			10	21350	2560	50	Mid	0.11	0.505	22.87	23.50	1.156	0.584	/
	Level5&6	ON2		Back Side	10	21350	2560	1	Mid	0.02	0.691	22.84	23.50	1.164	0.804	/
	Level5&6	ON2			10	20850	2510	1	High	-0.19	0.632	22.76	23.50	1.186	0.749	/
	Level5&6	ON2			10	21100	2535	1	Mid	0.17	0.688	22.71	23.50	1.199	0.825	/
	Level5&6	ON2			10	21350	2560	50	Mid	0.08	0.696	22.87	23.50	1.156	0.805	/
	Level5&6	ON2			10	20850	2510	50	High	-0.11	0.703	22.77	23.50	1.183	0.832	/
	Level5&6	ON2			10	21100	2535	50	Low	0.09	0.619	22.80	23.50	1.175	0.727	/
	Level5&6	ON2			10	21350	2560	100	Low	0.18	0.674	22.80	23.50	1.175	0.792	/
	Level5&6	/			Left Edge	10	20850	2510	1	Mid	0.10	0.344	23.59	24.50	1.233	0.424
	Level5&6	/		10		21350	2560	50	Mid	-0.15	0.282	22.64	23.50	1.219	0.344	/
	Level5&6	ON2		Bottom Edge	10	21350	2560	1	Mid	-0.03	0.718	22.84	23.50	1.164	0.836	/
	Level5&6	ON2			10	20850	2510	1	High	0.11	0.755	22.76	23.50	1.186	0.895	/
	Level5&6	ON2			10	21100	2535	1	Mid	-0.09	0.991	22.71	23.50	1.199	1.189	25#
	Level5&6	ON2			10	21350	2560	50	Mid	0.06	0.718	22.87	23.50	1.156	0.830	/
	Level5&6	ON2			10	20850	2510	50	High	-0.09	0.755	22.77	23.50	1.183	0.893	/
	Level5&6	ON2			10	21100	2535	50	Low	0.10	0.775	22.80	23.50	1.175	0.911	/
	Level5&6	ON2			10	21350	2560	100	Low	0.02	0.718	22.80	23.50	1.175	0.844	/
Level5&6	ON2															
P-sensor Off																
ANT4	/	OFF	QPSK	Front Side	21	20850	2510	1	Mid	-0.17	0.196	23.59	24.50	1.233	0.242	/
	/	OFF			21	21350	2560	50	Mid	-0.04	0.161	23.64	24.50	1.219	0.197	/
	/	OFF		Back Side	21	20850	2510	1	Mid	-0.01	0.265	23.59	24.50	1.233	0.326	/
	/	OFF			21	21350	2560	50	Mid	0.07	0.216	23.64	24.50	1.219	0.263	/
	/	OFF		Bottom Edge	22	20850	2510	1	Mid	-0.16	0.213	23.59	24.50	1.233	0.262	/
	/	OFF			22	21350	2560	50	Mid	-0.02	0.170	23.64	24.50	1.219	0.207	/

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

Antenna	Power Reduction	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific 10g																
ANT4	Level4	ON2	QPSK	Bottom Edge	0	21100	2535	1	Mid	-0.02	1.970	23.53	24.50	1.250	2.463	26#
	Level4	ON2			0	20850	2510	1	Mid	0.07	1.650	23.59	24.50	1.233	2.035	/
	Level4	ON2			0	21350	2560	1	Mid	-0.05	1.520	23.57	24.50	1.239	1.883	/
	Level4	ON2			0	21350	2560	50	Mid	0.01	1.430	22.64	23.50	1.219	1.743	/
	Level4	ON2			0	21350	2560	100	Low	0.00	1.500	22.61	23.50	1.227	1.841	/

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

11.9LTE Band 7 (20MHz Bandwidth) Worse case for CA Test

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.3	Level1	N/A	QPSK	Right Tilt	0	20850 +21048	2510 +2529.8	1+1	High +Low	-0.08	0.810	15.62	16.50	1.225	0.992	79#
Body-worn Accessory																
ANT4	Level4	/	QPSK	Back Side	15	20850 +21048	2510 +2529.8	1+1	High +Low	0.03	0.430	22.84	24.50	1.466	0.630	80#
Hotspot																
ANT4	Level5&6	ON2	QPSK	Bottom Edge	10	21100 +21298	2535 +2554.8	1+1	High +Low	0.15	0.795	22.18	23.50	1.355	1.077	81#

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

11.10 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
ANT0	Level1	N/A	QPSK	Left Cheek	0	23060	704	1	High	0.09	0.606	22.36	23.00	1.159	0.702	27#
	Level1	N/A			0	23060	704	25	Mid	-0.12	0.591	22.32	23.00	1.169	0.691	/
	Level1	N/A		Left Tilt	0	23060	704	1	High	-0.14	0.086	22.36	23.00	1.159	0.100	/
	Level1	N/A			0	23060	704	25	Mid	-0.14	0.091	22.32	23.00	1.169	0.107	/
	Level1	N/A		Right Cheek	0	23060	704	1	High	0.13	0.377	22.36	23.00	1.159	0.437	/
	Level1	N/A			0	23060	704	25	Mid	-0.18	0.408	22.32	23.00	1.169	0.477	/
	Level1	N/A		Right Tilt	0	23060	704	1	High	0.03	0.078	22.36	23.00	1.159	0.090	/
	Level1	N/A			0	23060	704	25	Mid	-0.13	0.080	22.32	23.00	1.169	0.094	/
ANT0	Level2&3	N/A	QPSK	Left Cheek	0	23060	704	1	Mid	-0.04	0.240	17.98	18.50	1.127	0.271	/
	Level2&3	N/A			0	23060	704	25	Mid	-0.03	0.249	17.91	18.50	1.146	0.285	/
	Level2&3	N/A		Left Tilt	0	23060	704	1	Mid	0.07	0.036	17.98	18.50	1.127	0.041	/
	Level2&3	N/A			0	23060	704	25	Mid	-0.15	0.038	17.91	18.50	1.146	0.044	/
	Level2&3	N/A		Right Cheek	0	23060	704	1	Mid	-0.15	0.131	17.98	18.50	1.127	0.148	/
	Level2&3	N/A			0	23060	704	25	Mid	-0.11	0.146	17.91	18.50	1.146	0.167	/
	Level2&3	N/A		Right Tilt	0	23060	704	1	Mid	-0.09	0.027	17.98	18.50	1.127	0.030	/
	Level2&3	N/A			0	23060	704	25	Mid	0.00	0.028	17.91	18.50	1.146	0.032	/
ANT1	Level1&2&3	N/A	QPSK	Left Cheek	0	23060	704	1	High	-0.15	0.016	23.35	24.50	1.303	0.021	/
	Level1&2&3	N/A			0	23060	704	25	Mid	0.18	0.012	22.30	23.50	1.318	0.016	/
	Level1&2&3	N/A		Left Tilt	0	23060	704	1	High	-0.02	0.008	23.35	24.50	1.303	0.010	/
	Level1&2&3	N/A			0	23060	704	25	Mid	0.05	0.006	22.30	23.50	1.318	0.008	/
	Level1&2&3	N/A		Right Cheek	0	23060	704	1	High	0.08	0.050	23.35	24.50	1.303	0.065	/
	Level1&2&3	N/A			0	23060	704	25	Mid	0.02	0.031	22.30	23.50	1.318	0.041	/
	Level1&2&3	N/A		Right Tilt	0	23060	704	1	High	-0.05	0.023	23.35	24.50	1.303	0.030	/
	Level1&2&3	N/A			0	23060	704	25	Mid	0.08	0.019	22.30	23.50	1.318	0.025	/
Body-worn Accessory																
ANT0	Level4	/	QPSK	Front Side	15	23060	704	1	High	-0.19	0.221	23.34	24.00	1.164	0.257	/
	Level4	/			15	23060	704	25	High	-0.09	0.187	22.31	23.00	1.172	0.219	/
	Level4	/		Back Side	15	23060	704	1	High	0.01	0.252	23.34	24.00	1.164	0.293	28#
	Level4	/			15	23060	704	25	High	0.02	0.202	22.31	23.00	1.172	0.237	/
ANT1	Level4	ON2	QPSK	Front Side	15	23060	704	1	High	-0.19	0.078	23.35	24.50	1.303	0.101	/
	Level4	ON2			15	23060	704	25	Mid	-0.11	0.056	22.30	23.50	1.318	0.074	/
	Level4	ON2		Back Side	15	23060	704	1	High	-0.14	0.091	23.35	24.50	1.303	0.119	/
	Level4	ON2			15	23060	704	25	Mid	-0.18	0.070	22.30	23.50	1.318	0.092	/
Hotspot																
ANT0	Level5&6	/	QPSK	Front Side	10	23060	704	1	High	0.10	0.341	23.34	24.00	1.164	0.397	/
	Level5&6	/			10	23060	704	25	High	-0.09	0.279	22.31	23.00	1.172	0.327	/
	Level5&6	/		Back Side	10	23060	704	1	High	0.19	0.392	23.34	24.00	1.164	0.456	/
	Level5&6	/			10	23060	704	25	High	-0.05	0.319	22.31	23.00	1.172	0.374	/
	Level5&6	/		Right Edge	10	23060	704	1	High	0.02	0.514	23.34	24.00	1.164	0.598	29#

	Level5&6	/		Top Edge	10	23060	704	25	High	0.08	0.414	22.31	23.00	1.172	0.485	/
	Level5&6	/			10	23060	704	1	High	0.06	0.029	23.34	24.00	1.164	0.034	/
	Level5&6	/			10	23060	704	25	High	-0.09	0.024	22.31	23.00	1.172	0.028	/
ANT1	Level5&6	ON2	QPSK	Front Side	10	23060	704	1	High	0.13	0.090	23.35	24.50	1.303	0.117	/
	Level5&6	ON2			10	23060	704	25	Mid	-0.16	0.069	22.30	23.50	1.318	0.091	/
	Level5&6	ON2		Back Side	10	23060	704	1	High	0.04	0.112	23.35	24.50	1.303	0.146	/
	Level5&6	ON2			10	23060	704	25	Mid	0.03	0.092	22.30	23.50	1.318	0.121	/
	Level5&6	/		Left Edge	10	23060	704	1	High	0.18	0.054	23.35	24.50	1.303	0.071	/
	Level5&6	/			10	23060	704	25	Mid	-0.04	0.040	22.30	23.50	1.318	0.053	/
	Level5&6	ON2		Right Edge	10	23060	704	1	High	0.03	0.009	23.35	24.50	1.303	0.012	/
	Level5&6	ON2			10	23060	704	25	Mid	-0.15	0.007	22.30	23.50	1.318	0.009	/
	Level5&6	ON2		Bottom Edge	10	23060	704	1	High	0.04	0.055	23.35	24.50	1.303	0.072	/
	Level5&6	ON2			10	23060	704	25	Mid	0.18	0.040	22.30	23.50	1.318	0.053	/

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

11.11 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
ANT0	Level1	N/A	QPSK	Left Cheek	0	26765	821.5	1	High	-0.12	0.728	22.51	23.50	1.256	0.914	/
	Level1	N/A			0	26865	831.5	1	Mid	-0.19	0.714	22.38	23.50	1.294	0.924	/
	Level1	N/A			0	26965	841.5	1	Mid	-0.14	0.735	22.35	23.50	1.303	0.958	/
	Level1	N/A			0	26765	821.5	36	High	-0.14	0.733	22.53	23.50	1.250	0.916	/
	Level1	N/A			0	26865	831.5	36	High	-0.01	0.743	22.38	23.50	1.294	0.962	/
	Level1	N/A			0	26965	841.5	36	High	0.12	0.752	22.39	23.50	1.291	0.971	30#
	Level1	N/A		0	26765	821.5	75	Low	0.01	0.766	22.52	23.50	1.253	0.960	/	
	Level1	N/A		Left Tilt	0	26765	821.5	1	High	-0.12	0.090	22.51	23.50	1.256	0.113	/
	Level1	N/A			0	26765	821.5	36	High	0.01	0.100	22.53	23.50	1.250	0.125	/
	Level1	N/A		Right Cheek	0	26765	821.5	1	High	-0.16	0.383	22.51	23.50	1.256	0.481	/
	Level1	N/A			0	26765	821.5	36	High	-0.08	0.403	22.53	23.50	1.250	0.504	/
	Level1	N/A		Right Tilt	0	26765	821.5	1	High	0.00	0.085	22.51	23.50	1.256	0.107	/
	Level1	N/A			0	26765	821.5	36	High	0.19	0.090	22.53	23.50	1.250	0.113	/
	ANT0	Level2&3		N/A	QPSK	Left Cheek	0	26765	821.5	1	Low	0.15	0.275	18.26	19.00	1.186
Level2&3		N/A	0	26765			821.5	36	High	-0.06	0.279	18.12	19.00	1.225	0.342	/
Level2&3		N/A	Left Tilt	0		26765	821.5	1	Low	0.08	0.024	18.26	19.00	1.186	0.028	/
Level2&3		N/A		0		26765	821.5	36	High	-0.05	0.029	18.12	19.00	1.225	0.036	/
Level2&3		N/A	Right Cheek	0		26765	821.5	1	Low	-0.13	0.160	18.26	19.00	1.186	0.190	/
Level2&3		N/A		0		26765	821.5	36	High	-0.08	0.161	18.12	19.00	1.225	0.197	/
Level2&3		N/A	Right Tilt	0		26765	821.5	1	Low	0.01	0.022	18.26	19.00	1.186	0.026	/
Level2&3		N/A		0		26765	821.5	36	High	0.00	0.024	18.12	19.00	1.225	0.029	/
ANT1	Level1&2&3	N/A	QPSK	Left Cheek	0	26765	821.5	1	High	0.03	0.064	23.67	25.00	1.358	0.087	/
	Level1&2&3	N/A			0	26765	821.5	36	Mid	-0.09	0.054	22.63	24.00	1.371	0.074	/
	Level1&2&3	N/A		Left Tilt	0	26765	821.5	1	High	-0.10	0.043	23.67	25.00	1.358	0.058	/
	Level1&2&3	N/A			0	26765	821.5	36	Mid	0.15	0.031	22.63	24.00	1.371	0.042	/
	Level1&2&3	N/A		Right Cheek	0	26765	821.5	1	High	0.06	0.093	23.67	25.00	1.358	0.126	/
	Level1&2&3	N/A			0	26765	821.5	36	Mid	0.00	0.069	22.63	24.00	1.371	0.095	/
	Level1&2&3	N/A		Right Tilt	0	26765	821.5	1	High	0.13	0.057	23.67	25.00	1.358	0.077	/
	Level1&2&3	N/A			0	26765	821.5	36	Mid	-0.03	0.044	22.63	24.00	1.371	0.060	/
Body-worn Accessory																
ANT0	Level4	/	QPSK	Front Side	15	26765	821.5	1	High	-0.13	0.250	23.54	24.50	1.247	0.312	/
	Level4	/			15	26765	821.5	36	Mid	-0.02	0.213	22.51	23.50	1.256	0.267	/
	Level4	/		Back Side	15	26765	821.5	1	High	0.02	0.291	23.54	24.50	1.247	0.363	31#
	Level4	/			15	26765	821.5	36	Mid	-0.01	0.245	22.51	23.50	1.256	0.308	/
ANT1	Level4	ON2	QPSK	Front Side	15	26765	821.5	1	High	-0.09	0.136	23.67	25.00	1.358	0.185	/
	Level4	ON2			15	26765	821.5	36	Mid	0.01	0.101	22.63	24.00	1.371	0.138	/
	Level4	ON2		Back Side	15	26765	821.5	1	High	-0.11	0.164	23.67	25.00	1.358	0.222	/
	Level4	ON2			15	26765	821.5	36	Mid	-0.12	0.128	22.63	24.00	1.371	0.176	/
Hotspot																

ANT0	Level5&6	/	QPSK	Front Side	10	26765	821.5	1	High	0.13	0.388	23.54	24.50	1.247	0.484	/
	Level5&6	/			10	26765	821.5	36	Mid	0.02	0.317	22.51	23.50	1.256	0.398	/
	Level5&6	/		Back Side	10	26765	821.5	1	High	-0.13	0.455	23.54	24.50	1.247	0.568	/
	Level5&6	/			10	26765	821.5	36	Mid	-0.06	0.370	22.51	23.50	1.256	0.465	/
	Level5&6	/		Right Edge	10	26765	821.5	1	High	0.04	0.723	23.54	24.50	1.247	0.902	32#
	Level5&6	/			10	26865	831.5	1	Mid	0.15	0.684	23.36	24.50	1.300	0.889	/
	Level5&6	/			10	26965	841.5	1	Mid	-0.04	0.672	23.28	24.50	1.324	0.890	/
	Level5&6	/			10	26765	821.5	36	Mid	-0.08	0.566	22.51	23.50	1.256	0.711	/
	Level5&6	/		Top Edge	10	26765	821.5	75	Mid	-0.06	0.543	22.48	23.50	1.265	0.687	/
	Level5&6	/			10	26765	821.5	1	High	0.13	0.031	23.54	24.50	1.247	0.039	/
	Level5&6	/		10	26765	821.5	36	Mid	0.16	0.025	22.51	23.50	1.256	0.031	/	
	ANT1	Level5&6		ON2	QPSK	Front Side	10	26765	821.5	1	High	0.15	0.177	23.67	25.00	1.358
Level5&6		ON2	10	26765			821.5	36	Mid	-0.02	0.148	22.63	24.00	1.371	0.203	/
Level5&6		ON2	Back Side	10		26765	821.5	1	High	-0.17	0.233	23.67	25.00	1.358	0.317	/
Level5&6		ON2		10		26765	821.5	36	Mid	-0.12	0.190	22.63	24.00	1.371	0.260	/
Level5&6		/	Left Edge	10		26765	821.5	1	High	-0.15	0.215	23.67	25.00	1.358	0.292	/
Level5&6		/		10		26765	821.5	36	Mid	0.08	0.178	22.63	24.00	1.371	0.244	/
Level5&6		ON2	Right Edge	10		26765	821.5	1	High	0.12	0.056	23.67	25.00	1.358	0.075	/
Level5&6		ON2		10		26765	821.5	36	Mid	-0.11	0.045	22.63	24.00	1.371	0.062	/
Level5&6		ON2	Bottom Edge	10		26765	821.5	1	High	-0.07	0.130	23.67	25.00	1.358	0.177	/
Level5&6		ON2		10		26765	821.5	36	Mid	-0.04	0.104	22.63	24.00	1.371	0.143	/

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

11.12 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
ANT3	Level1	N/A	QPSK	Left Cheek	0	132322	1745	1	Mid	-0.09	0.174	16.77	17.70	1.239	0.216	/
	Level1	N/A			0	132322	1745	50	Mid	0.15	0.181	16.75	17.70	1.245	0.225	/
	Level1	N/A		Left Tilt	0	132322	1745	1	Mid	-0.13	0.231	16.77	17.70	1.239	0.286	/
	Level1	N/A			0	132322	1745	50	Mid	-0.09	0.238	16.75	17.70	1.245	0.296	/
	Level1	N/A		Right Cheek	0	132322	1745	1	Mid	0.05	0.262	16.77	17.70	1.239	0.325	/
	Level1	N/A			0	132322	1745	50	Mid	0.01	0.280	16.75	17.70	1.245	0.348	/
	Level1	N/A		Right Tilt	0	132322	1745	1	Mid	-0.08	0.356	16.77	17.70	1.239	0.441	/
	Level1	N/A			0	132322	1745	50	Mid	0.08	0.373	16.75	17.70	1.245	0.464	33#
ANT3	Level2&3	N/A	QPSK	Left Cheek	0	132322	1745	1	Mid	-0.17	0.155	16.26	17.20	1.242	0.192	/
	Level2&3	N/A			0	132322	1745	50	Mid	-0.03	0.160	16.26	17.20	1.242	0.199	/
	Level2&3	N/A		Left Tilt	0	132322	1745	1	Mid	0.14	0.206	16.26	17.20	1.242	0.256	/
	Level2&3	N/A			0	132322	1745	50	Mid	-0.16	0.217	16.26	17.20	1.242	0.269	/
	Level2&3	N/A		Right Cheek	0	132322	1745	1	Mid	0.09	0.225	16.26	17.20	1.242	0.279	/
	Level2&3	N/A			0	132322	1745	50	Mid	0.09	0.228	16.26	17.20	1.242	0.283	/
	Level2&3	N/A		Right Tilt	0	132322	1745	1	Mid	-0.05	0.304	16.26	17.20	1.242	0.377	/
	Level2&3	N/A			0	132322	1745	50	Mid	0.14	0.312	16.26	17.20	1.242	0.387	/
ANT4	Level1&2&3	N/A	QPSK	Left Cheek	0	132322	1745	1	Mid	-0.05	0.084	23.14	24.00	1.219	0.102	/
	Level1&2&3	N/A			0	132572	1770	50	Mid	0.04	0.069	22.12	23.00	1.225	0.084	/
	Level1&2&3	N/A		Left Tilt	0	132322	1745	1	Mid	-0.08	0.073	22.95	24.00	1.274	0.093	/
	Level1&2&3	N/A			0	132572	1770	50	Mid	-0.07	0.062	22.03	23.00	1.250	0.078	/
	Level1&2&3	N/A		Right Cheek	0	132322	1745	1	Mid	0.10	0.112	22.95	24.00	1.274	0.143	/
	Level1&2&3	N/A			0	132572	1770	50	Mid	-0.09	0.090	22.03	23.00	1.250	0.113	/
	Level1&2&3	N/A		Right Tilt	0	132322	1745	1	Mid	-0.13	0.083	22.95	24.00	1.274	0.106	/
	Level1&2&3	N/A			0	132572	1770	50	Mid	0.14	0.054	22.03	23.00	1.250	0.068	/
Body-worn Accessory																
ANT3	Level4	/	QPSK	Front Side	15	132072	1720	1	High	0.13	0.074	21.16	21.70	1.132	0.084	/
	Level4	/			15	132322	1745	50	Mid	-0.18	0.074	21.28	21.70	1.102	0.082	/
	Level4	/		Back Side	15	132072	1720	1	High	-0.16	0.110	21.16	21.70	1.132	0.125	/
	Level4	/			15	132322	1745	50	Mid	0.13	0.114	21.28	21.70	1.102	0.126	/
ANT4	Level4	ON2	QPSK	Front Side	15	132572	1770	1	High	0.13	0.274	21.41	23.00	1.442	0.395	/
	Level4	ON2			15	132572	1770	50	High	0.17	0.286	21.46	23.00	1.426	0.408	/
	Level4	ON2		Back Side	15	132572	1770	1	High	-0.19	0.369	21.41	23.00	1.442	0.532	/
	Level4	ON2			15	132572	1770	50	High	0.20	0.383	21.46	23.00	1.426	0.546	34#
Hotspot																
ANT3	Level5&6	/	QPSK	Front Side	10	132572	1770	1	Mid	0.08	0.119	20.29	21.20	1.233	0.147	/
	Level5&6	/			10	132322	1745	50	Mid	-0.05	0.118	20.30	21.20	1.230	0.145	/
	Level5&6	/		Back Side	10	132572	1770	1	Mid	0.17	0.192	20.29	21.20	1.233	0.237	/
	Level5&6	/			10	132322	1745	50	Mid	-0.11	0.197	20.30	21.20	1.230	0.242	/
	Level5&6	/		Right Edge	10	132572	1770	1	Mid	-0.11	0.018	20.29	21.20	1.233	0.022	/

	Level5&6	/		Top Edge	10	132322	1745	50	Mid	-0.09	0.020	20.30	21.20	1.230	0.025	/
	Level5&6	/			10	132572	1770	1	Mid	-0.10	0.251	20.29	21.20	1.233	0.310	/
	Level5&6	/			10	132322	1745	50	Mid	0.19	0.178	20.30	21.20	1.230	0.219	/
ANT4	Level5&6	ON2	QPSK	Front Side	10	132322	1745	1	Mid	-0.11	0.354	21.27	22.50	1.327	0.470	/
	Level5&6	ON2			10	132572	1770	50	Mid	-0.11	0.360	21.29	22.50	1.321	0.476	/
	Level5&6	ON2		Back Side	10	132322	1745	1	Mid	-0.16	0.448	21.27	22.50	1.327	0.595	/
	Level5&6	ON2			10	132572	1770	50	Mid	0.02	0.452	21.29	22.50	1.321	0.597	/
	Level5&6	/		Left Edge	10	132322	1745	1	Mid	-0.15	0.406	22.95	24.00	1.274	0.517	/
	Level5&6	/			10	132572	1770	50	Mid	-0.08	0.411	22.10	23.00	1.230	0.506	/
	Level5&6	ON2		Bottom Edge	10	132322	1745	1	Mid	0.07	0.715	21.27	22.50	1.327	0.949	/
	Level5&6	ON2			10	132072	1720	1	Mid	-0.06	0.709	21.10	22.50	1.380	0.979	/
	Level5&6	ON2			10	132572	1770	1	Mid	0.11	0.722	21.16	22.50	1.361	0.983	/
	Level5&6	ON2			10	132572	1770	50	Mid	0.05	0.758	21.29	22.50	1.321	1.002	35#
	Level5&6	ON2			10	132072	1720	50	Mid	0.18	0.716	21.16	22.50	1.361	0.975	/
	Level5&6	ON2			10	132322	1747.5	50	Mid	-0.18	0.730	21.24	22.50	1.337	0.976	/
	Level5&6	ON2			10	132572	1770	100	Low	-0.15	0.722	21.23	22.50	1.340	0.967	/
	P-sensor Off															
ANT4	/	OFF	QPSK	Front Side	21	132322	1745	1	Mid	-0.15	0.201	22.95	24.00	1.274	0.256	/
	/	OFF			21	132572	1770	50	Mid	-0.17	0.154	22.03	23.00	1.250	0.193	/
	/	OFF		Back Side	21	132322	1745	1	Mid	0.00	0.253	22.95	24.00	1.274	0.322	/
	/	OFF			21	132572	1770	50	Mid	-0.17	0.186	22.03	23.00	1.250	0.233	/
	/	OFF		Bottom Edge	22	132322	1745	1	Mid	-0.01	0.254	22.95	24.00	1.274	0.323	/
	/	OFF			22	132572	1770	50	Mid	-0.14	0.215	22.03	23.00	1.250	0.269	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.13 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
ANT3	Level1	N/A	QPSK	Left Cheek	0	38150	2610	1	Mid	-0.13	0.411	18.03	19.00	1.250	0.514	/
	Level1	N/A			0	37850	2580	50	Low	0.14	0.415	18.08	19.00	1.236	0.513	/
	Level1	N/A		Left Tilt	0	38150	2610	1	Mid	0.06	0.537	18.03	19.00	1.250	0.671	/
	Level1	N/A			0	37850	2580	50	Low	-0.18	0.549	18.08	19.00	1.236	0.679	/
	Level1	N/A		Right Cheek	0	38150	2610	1	Mid	0.14	0.551	18.03	19.00	1.250	0.689	/
	Level1	N/A			0	37850	2580	50	Low	0.17	0.634	18.06	19.00	1.242	0.787	/
	Level1	N/A		Right Tilt	0	38150	2610	1	Mid	0.13	0.628	18.03	19.00	1.250	0.785	/
	Level1	N/A			0	37850	2580	1	Mid	-0.12	0.711	17.99	19.00	1.262	0.897	/
	Level1	N/A			0	38000	2595	1	Mid	-0.18	0.672	18.01	19.00	1.256	0.844	/
	Level1	N/A			0	37850	2580	50	Low	0.05	0.734	18.08	19.00	1.236	0.907	36#
	Level1	N/A			0	38000	2595	50	Low	-0.05	0.682	18.05	19.00	1.245	0.849	/
	Level1	N/A			0	38150	2610	50	Mid	0.00	0.649	18.04	19.00	1.247	0.809	/
	Level1	N/A		0	37850	2580	100	Low	-0.02	0.671	18.05	19.00	1.245	0.835	/	
	ANT3	Level2&3		N/A	QPSK	Left Cheek	0	38150	2610	1	Mid	0.09	0.181	14.98	15.50	1.127
Level2&3		N/A	0	37850			2580	50	Mid	0.09	0.186	15.02	15.50	1.117	0.208	/
Level2&3		N/A	Left Tilt	0		38150	2610	1	Mid	0.03	0.245	14.98	15.50	1.127	0.276	/
Level2&3		N/A		0		37850	2580	50	Mid	-0.13	0.249	15.02	15.50	1.117	0.278	/
Level2&3		N/A	Right Cheek	0		38150	2610	1	Mid	0.11	0.232	14.98	15.50	1.127	0.262	/
Level2&3		N/A		0		37850	2580	50	Mid	-0.19	0.240	15.02	15.50	1.117	0.268	/
Level2&3		N/A	Right Tilt	0		38150	2610	1	Mid	-0.19	0.339	14.98	15.50	1.127	0.382	/
Level2&3		N/A		0		37850	2580	50	Mid	0.16	0.348	15.02	15.50	1.117	0.389	/
ANT4	Level1&2&3	N/A	QPSK	Left Cheek	0	38150	2610	1	Mid	-0.02	0.043	23.53	24.50	1.250	0.054	/
	Level1&2&3	N/A			0	38150	2610	50	Mid	-0.07	0.037	22.52	23.50	1.253	0.046	/
	Level1&2&3	N/A		Left Tilt	0	38150	2610	1	Mid	0.10	0.045	23.53	24.50	1.250	0.056	/
	Level1&2&3	N/A			0	38150	2610	50	Mid	-0.17	0.035	22.52	23.50	1.253	0.044	/
	Level1&2&3	N/A		Right Cheek	0	38150	2610	1	Mid	-0.19	0.041	23.53	24.50	1.250	0.051	/
	Level1&2&3	N/A			0	38150	2610	50	Mid	-0.19	0.035	22.52	23.50	1.253	0.044	/
	Level1&2&3	N/A		Right Tilt	0	38150	2610	1	Mid	-0.13	0.025	23.53	24.50	1.250	0.031	/
	Level1&2&3	N/A			0	38150	2610	50	Mid	-0.18	0.020	22.52	23.50	1.253	0.025	/
Body-worn Accessory																
ANT3	Level4	/	QPSK	Front Side	15	38150	2610	1	Mid	-0.13	0.116	21.47	22.00	1.130	0.131	/
	Level4	/			15	38000	2595	50	Mid	0.12	0.126	21.60	22.00	1.096	0.138	/
	Level4	/		Back Side	15	38150	2610	1	Mid	-0.09	0.196	21.47	22.00	1.130	0.221	/
	Level4	/			15	38000	2595	50	Mid	0.05	0.202	21.60	22.00	1.096	0.221	/
ANT4	Level4	ON2	QPSK	Front Side	15	38150	2610	1	Mid	-0.16	0.186	23.53	24.50	1.250	0.233	/
	Level4	ON2			15	38150	2610	50	Mid	0.15	0.153	22.52	23.50	1.253	0.192	/
	Level4	ON2		Back Side	15	38150	2610	1	Mid	-0.02	0.288	23.53	24.50	1.250	0.360	37#
	Level4	ON2			15	38150	2610	50	Mid	-0.16	0.227	22.52	23.50	1.253	0.284	/
Hotspot																

ANT3	Level5&6	/	QPSK	Front Side	10	38150	2610	1	Mid	-0.10	0.192	20.09	21.00	1.233	0.237	/
	Level5&6	/			10	38150	2610	1	Mid	-0.15	0.193	20.12	21.00	1.225	0.236	/
	Level5&6	/		Back Side	10	38150	2610	1	Mid	-0.07	0.305	20.09	21.00	1.233	0.376	/
	Level5&6	/			10	38150	2610	1	Mid	-0.19	0.313	20.12	21.00	1.225	0.383	/
	Level5&6	/		Right Edge	10	38150	2610	1	Mid	0.01	0.114	20.09	21.00	1.233	0.141	/
	Level5&6	/			10	38150	2610	1	Mid	0.13	0.086	20.12	21.00	1.225	0.105	/
	Level5&6	/		Top Edge	10	38150	2610	1	Mid	-0.07	0.537	20.09	21.00	1.233	0.662	/
	Level5&6	/			10	38150	2610	1	Mid	0.10	0.582	20.12	21.00	1.225	0.713	/
ANT4	Level5&6	ON2	QPSK	Front Side	10	38150	2610	1	Mid	-0.12	0.385	23.53	24.50	1.250	0.481	/
	Level5&6	ON2			10	38150	2610	50	Mid	0.10	0.311	22.52	23.50	1.253	0.390	/
	Level5&6	ON2		Back Side	10	38150	2610	1	Mid	0.11	0.515	23.53	24.50	1.250	0.644	/
	Level5&6	ON2			10	38150	2610	50	Mid	0.14	0.413	22.52	23.50	1.253	0.518	/
	Level5&6	/		Left Edge	10	38150	2610	1	Mid	-0.13	0.228	23.53	24.50	1.250	0.285	/
	Level5&6	/			10	38150	2610	50	Mid	0.13	0.185	22.52	23.50	1.253	0.232	/
	Level5&6	ON2		Bottom Edge	10	38150	2610	1	Mid	0.02	0.582	23.53	24.50	1.250	0.728	38#
	Level5&6	ON2			10	38150	2610	50	Mid	0.15	0.467	22.52	23.50	1.253	0.585	/
P-sensor Off																
ANT4	/	OFF	QPSK	Front Side	21	38000	2595	1	Mid	-0.05	0.125	20.07	22.00	1.560	0.195	/
	/	OFF			21	37850	2580	50	Low	-0.12	0.110	20.13	22.00	1.538	0.170	/
	/	OFF		Back Side	21	38000	2595	1	Mid	-0.17	0.180	20.07	22.00	1.560	0.281	/
	/	OFF			21	37850	2580	50	Low	0.14	0.156	20.13	22.00	1.538	0.240	/
	/	OFF		Bottom Edge	22	38000	2595	1	Mid	0.00	0.191	20.07	22.00	1.560	0.297	/
	/	OFF			22	37850	2580	50	Low	-0.13	0.167	20.13	22.00	1.538	0.257	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

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

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
ANT3	Level1	N/A	QPSK	Right Tilt	0	37850 +38048	2580 +2599.8	1+1	High +Low	-0.05	0.444	17.69	19.00	1.352	0.600	82#
Body-worn Accessory																
ANT4	Level4	ON2	QPSK	Back Side	15	38150 +37952	2610 +2590.2	1+1	Low +High	0.04	0.172	23.11	24.50	1.377	0.237	83#
Hotspot																
ANT4	Level5&6	ON2	QPSK	Back Side	10	38150 +37952	2610 +2590.2	1+1	Low +High	-0.16	0.372	23.11	24.50	1.377	0.512	84#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.15 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.	
Head																	
ANT3	Level1	N/A	QPSK	Left Cheek	0	40620	2593	1	Mid	-0.11	0.437	18.01	18.50	1.119	0.489	/	
	Level1	N/A			0	40620	2593	50	Low	-0.16	0.441	18.07	18.50	1.104	0.487	/	
	Level1	N/A		Left Tilt	0	40620	2593	1	Mid	0.15	0.564	18.01	18.50	1.119	0.632	/	
	Level1	N/A			0	40620	2593	50	Low	0.07	0.572	18.07	18.50	1.104	0.632	/	
	Level1	N/A		Right Cheek	0	40620	2593	1	Mid	-0.08	0.537	18.01	18.50	1.119	0.601	/	
	Level1	N/A			0	40620	2593	50	Low	-0.06	0.535	18.07	18.50	1.104	0.590	/	
	Level1	N/A		Right Tilt	0	40620	2593	1	Mid	-0.14	0.834	18.01	18.50	1.119	0.934	/	
	Level1	N/A			0	39750	2506	1	Mid	0.02	0.949	17.92	18.50	1.143	1.085	39#	
	Level1	N/A			0	40185	2549.5	1	Mid	0.04	0.749	17.63	18.50	1.222	0.915	/	
	Level1	N/A			0	41055	2636.5	1	Mid	-0.11	0.712	17.84	18.50	1.164	0.829	/	
	Level1	N/A			0	41490	2680	1	High	-0.19	0.660	18.01	18.50	1.119	0.739	/	
	Level1	N/A			0	40620	2593	50	Low	0.11	0.744	18.07	18.50	1.104	0.821	/	
	Level1	N/A			0	39750	2506	50	High	0.14	0.854	18.03	18.50	1.114	0.952	/	
	Level1	N/A			0	40185	2549.5	50	Mid	-0.13	0.724	17.96	17.94	0.995	0.721	/	
	Level1	N/A			0	41055	2636.5	50	Low	-0.19	0.709	17.96	18.50	1.132	0.803	/	
	Level1	N/A			0	41490	2680	50	High	-0.12	0.653	17.95	18.50	1.135	0.741	/	
	Level1	N/A			0	40620	2593	100	Low	0.02	0.783	18.04	18.50	1.112	0.870	/	
	ANT3	Level2&3			N/A	QPSK	Left Cheek	0	41055	2636.5	1	Mid	-0.06	0.276	17.32	17.50	1.042
Level2&3		N/A	0		41055			2636.5	50	Mid	0.17	0.284	17.25	17.50	1.059	0.301	/
Level2&3		N/A	Left Tilt		0		41055	2636.5	1	Mid	-0.06	0.304	17.32	17.50	1.042	0.317	/
Level2&3		N/A			0		41055	2636.5	50	Mid	0.15	0.311	17.25	17.50	1.059	0.329	/
Level2&3		N/A	Right Cheek		0		41055	2636.5	1	Mid	0.16	0.418	17.32	17.50	1.042	0.436	/
Level2&3		N/A			0		41055	2636.5	50	Mid	0.15	0.427	17.25	17.50	1.059	0.452	/
Level2&3		N/A	Right Tilt		0		41055	2636.5	1	Mid	0.14	0.616	17.32	17.50	1.042	0.642	/
Level2&3		N/A		0	41055		2636.5	50	Mid	0.16	0.628	17.25	17.50	1.059	0.665	/	
ANT4	Level1&2&3	N/A	QPSK	Left Cheek	0	41490	2680	1	High	-0.06	0.034	23.60	24.50	1.230	0.041	/	
	Level1&2&3	N/A			0	41490	2680	50	High	0.03	0.028	22.67	23.50	1.211	0.034	/	
	Level1&2&3	N/A		Left Tilt	0	41490	2680	1	High	-0.13	0.035	23.60	24.50	1.230	0.042	/	
	Level1&2&3	N/A			0	41490	2680	50	High	0.03	0.027	22.67	23.50	1.211	0.032	/	
	Level1&2&3	N/A		Right Cheek	0	41490	2680	1	High	-0.05	0.035	23.60	24.50	1.230	0.043	/	
	Level1&2&3	N/A			0	41490	2680	50	High	0.19	0.021	22.67	23.50	1.211	0.025	/	
	Level1&2&3	N/A		Right Tilt	0	41490	2680	1	High	0.05	0.028	23.60	24.50	1.230	0.035	/	
	Level1&2&3	N/A			0	41490	2680	50	High	0.04	0.034	22.67	23.50	1.211	0.041	/	
Body-worn Accessory																	
ANT3	Level4	/	QPSK	Front Side	15	41055	2636.5	1	Low	0.06	0.121	21.12	21.50	1.091	0.132	/	
	Level4	/			15	41055	2636.5	50	High	0.18	0.123	21.07	21.50	1.104	0.136	/	
	Level4	/		Back Side	15	41055	2636.5	1	Low	0.00	0.200	21.12	21.50	1.091	0.218	/	
	Level4	/			15	41055	2636.5	50	High	-0.18	0.198	21.07	21.50	1.104	0.219	/	
ANT4	Level4	ON2	QPSK	Front Side	15	41490	2680	1	High	0.18	0.209	23.60	24.50	1.230	0.257	/	

	Level4	ON2	Back Side	15	41490	2680	50	High	0.07	0.174	22.67	23.50	1.211	0.211	/	
	Level4	ON2		15	41490	2680	1	High	0.13	0.283	23.60	24.50	1.230	0.348	40#	
	Level4	ON2		15	41490	2680	50	High	-0.09	0.228	22.67	23.50	1.211	0.276	/	
Hotspot																
ANT3	Level5&6	/	QPSK	Front Side	10	41055	2636.5	1	High	0.00	0.204	20.04	20.50	1.112	0.227	/
	Level5&6	/			10	41055	2636.5	50	High	-0.09	0.217	20.12	20.50	1.091	0.237	/
	Level5&6	/		Back Side	10	41055	2636.5	1	High	0.10	0.308	20.04	20.50	1.112	0.342	/
	Level5&6	/			10	41055	2636.5	50	High	0.09	0.325	20.12	20.50	1.091	0.355	/
	Level5&6	/		Right Edge	10	41055	2636.5	1	High	-0.09	0.060	20.04	20.50	1.112	0.067	/
	Level5&6	/			10	41055	2636.5	50	High	-0.18	0.064	20.12	20.50	1.091	0.070	/
	Level5&6	/		Top Edge	10	41055	2636.5	1	High	0.06	0.651	20.04	20.50	1.112	0.724	/
	Level5&6	/			10	41055	2636.5	50	High	0.06	0.682	20.12	20.50	1.091	0.744	41#
ANT4	Level5&6	ON2	QPSK	Front Side	10	41490	2680	1	High	-0.18	0.348	23.60	24.50	1.230	0.428	/
	Level5&6	ON2			10	41490	2680	50	High	-0.06	0.280	22.67	23.50	1.211	0.339	/
	Level5&6	ON2		Back Side	10	41490	2680	1	High	0.16	0.514	23.60	24.50	1.230	0.632	/
	Level5&6	ON2			10	41490	2680	50	High	0.16	0.413	22.67	23.50	1.211	0.500	/
	Level5&6	/		Left Edge	10	41490	2680	1	High	0.11	0.191	23.60	24.50	1.230	0.235	/
	Level5&6	/			10	41490	2680	50	High	-0.10	0.159	22.67	23.50	1.211	0.193	/
	Level5&6	ON2		Bottom Edge	10	41490	2680	1	High	-0.08	0.483	23.60	24.50	1.230	0.594	/
	Level5&6	ON2			10	41490	2680	50	High	-0.18	0.382	22.67	23.50	1.211	0.463	/
P-sensor Off																
ANT4	/	OFF	QPSK	Front Side	16	41055	2636.5	1	Mid	-0.13	0.149	22.73	24.00	1.340	0.199	/
	/	OFF			16	41055	2636.5	50	High	0.06	0.121	21.66	23.00	1.361	0.164	/
	/	OFF		Back Side	17	41055	2636.5	1	Mid	0.12	0.206	22.73	24.00	1.340	0.277	/
	/	OFF			17	41055	2636.5	50	High	-0.15	0.141	21.66	23.00	1.361	0.192	/
	/	OFF		Bottom Edge	21	41055	2636.5	1	Mid	0.07	0.265	22.73	24.00	1.340	0.355	/
	/	OFF			21	41055	2636.5	50	High	-0.09	0.153	21.66	23.00	1.361	0.208	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

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

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
ANT3	Level1	N/A	QPSK	Right Tilt	0	39750 +39948	2680 +2660.2	1+1	High +Low	-0.01	0.583	17.94	18.50	1.138	0.663	85#
Body-worn Accessory																
ANT4	Level4	ON2	QPSK	Back Side	15	41490 +41292	2680 +2660.2	1+1	Low +High	0.11	0.170	22.69	24.50	1.517	0.258	86#
Hotspot																
ANT3	Level5&6	/	QPSK	Top Edge	10	41055 +40857	2636.5 +2616.7	1+1	High +Low	0.02	0.472	22.69	24.50	1.517	0.716	87#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.17 5G n5 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
ANT0	Level1	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	1	53	0.02	0.525	21.83	22.00	1.040	0.546	/
	Level1	N/A				0	166800	834	50	56	-0.12	0.557	21.70	22.00	1.072	0.597	42#
	Level1	N/A			Left Tilt	0	167300	836.5	1	53	-0.02	0.074	21.83	22.00	1.040	0.077	/
	Level1	N/A				0	166800	834	50	56	0.03	0.077	21.70	22.00	1.072	0.082	/
	Level1	N/A			Right Cheek	0	167300	836.5	1	53	-0.17	0.241	21.83	22.00	1.040	0.251	/
	Level1	N/A				0	166800	834	50	56	0.16	0.229	21.70	22.00	1.072	0.245	/
	Level1	N/A			Right Tilt	0	167300	836.5	1	53	0.15	0.054	21.83	22.00	1.040	0.056	/
	Level1	N/A				0	166800	834	50	56	-0.08	0.055	21.70	22.00	1.072	0.059	/
ANT0	Level2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	1	1	0.03	0.267	18.63	19.00	1.089	0.291	/
	Level2&3	N/A				0	167300	836.5	50	0	-0.01	0.271	18.73	19.00	1.064	0.288	/
	Level2&3	N/A			Left Tilt	0	167300	836.5	1	1	-0.11	0.048	18.63	19.00	1.089	0.052	/
	Level2&3	N/A				0	167300	836.5	50	0	-0.18	0.050	18.73	19.00	1.064	0.053	/
	Level2&3	N/A			Right Cheek	0	167300	836.5	1	1	-0.01	0.136	18.63	19.00	1.089	0.148	/
	Level2&3	N/A				0	167300	836.5	50	0	-0.02	0.139	18.73	19.00	1.064	0.148	/
	Level2&3	N/A			Right Tilt	0	167300	836.5	1	1	0.10	0.039	18.63	19.00	1.089	0.042	/
	Level2&3	N/A				0	167300	836.5	50	0	0.01	0.039	18.73	19.00	1.064	0.042	/
ANT0	Level1	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	166800	834	1	53	0.17	0.347	19.93	20.00	1.016	0.352	/
	Level1	N/A				0	167300	836.5	50	28	0.03	0.362	19.77	20.00	1.054	0.382	/
	Level1	N/A			Left Tilt	0	166800	834	1	53	-0.16	0.048	19.93	20.00	1.016	0.049	/
	Level1	N/A				0	167300	836.5	50	28	0.11	0.050	19.77	20.00	1.054	0.053	/
	Level1	N/A			Right Cheek	0	166800	834	1	53	0.17	0.161	19.93	20.00	1.016	0.164	/
	Level1	N/A				0	167300	836.5	50	28	0.08	0.149	19.77	20.00	1.054	0.157	/
	Level1	N/A			Right Tilt	0	166800	834	1	53	-0.07	0.040	19.93	20.00	1.016	0.040	/
	Level1	N/A				0	167300	836.5	50	28	-0.15	0.037	19.77	20.00	1.054	0.040	/
ANT0	Level2&3	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	167800	839	1	104	0.02	0.170	16.87	17.00	1.030	0.175	/
	Level2&3	N/A				0	167800	839	50	56	-0.07	0.179	16.78	17.00	1.052	0.188	/
	Level2&3	N/A			Left Tilt	0	167800	839	1	104	-0.03	0.023	16.87	17.00	1.030	0.024	/
	Level2&3	N/A				0	167800	839	50	56	-0.19	0.026	16.78	17.00	1.052	0.027	/
	Level2&3	N/A			Right Cheek	0	167800	839	1	104	-0.06	0.074	16.87	17.00	1.030	0.076	/
	Level2&3	N/A				0	167800	839	50	56	-0.18	0.078	16.78	17.00	1.052	0.082	/
	Level2&3	N/A			Right Tilt	0	167800	839	1	104	-0.05	0.016	16.87	17.00	1.030	0.016	/
	Level2&3	N/A				0	167800	839	50	56	-0.10	0.018	16.78	17.00	1.052	0.019	/
ANT1	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA & ENDC	Left Cheek	0	167300	836.5	1	53	-0.14	0.074	23.45	24.50	1.274	0.094	/
	Level1&2&3	N/A				0	167800	839	50	28	-0.19	0.077	23.41	24.50	1.285	0.099	/
	Level1&2&3	N/A			Left Tilt	0	167300	836.5	1	53	0.05	0.058	23.45	24.50	1.274	0.074	/
	Level1&2&3	N/A				0	167800	839	50	28	0.02	0.057	23.41	24.50	1.285	0.073	/
	Level1&2&3	N/A			Right Cheek	0	167300	836.5	1	53	0.10	0.103	23.45	24.50	1.274	0.131	/
	Level1&2&3	N/A				0	167800	839	50	28	-0.15	0.100	23.41	24.50	1.285	0.129	/
	Level1&2&3	N/A			Right Tilt	0	167300	836.5	1	53	0.11	0.070	23.45	24.50	1.274	0.089	/

	Level1&2&3	N/A				0	167800	839	50	28	-0.01	0.072	23.41	24.50	1.285	0.093	/	
Body-worn Accessory																		
ANT0	Level4	/	DFT-s-	SA	Front Side	15	166800	834	1	53	0.09	0.236	22.77	24.00	1.327	0.314	/	
	Level4	/				15	166800	834	50	0	0.01	0.241	22.62	24.00	1.374	0.331	/	
	Level4	/	OFDM		Back Side	15	166800	834	1	53	0.14	0.249	22.77	24.00	1.327	0.331	/	
	Level4	/	BPSK			15	166800	834	50	0	-0.13	0.252	22.62	24.00	1.374	0.346	43#	
ANT0	Level4	/	DFT-s-	ENDC	Front Side	15	167800	839	1	53	-0.05	0.213	22.75	23.00	1.059	0.225	/	
	Level4	/				15	167300	836.5	50	0	0.16	0.219	22.81	23.00	1.045	0.229	/	
	Level4	/	OFDM		Back Side	15	167800	839	1	53	0.16	0.224	22.75	23.00	1.059	0.237	/	
	Level4	/	BPSK			15	167300	836.5	50	0	0.00	0.241	22.81	23.00	1.045	0.252	/	
ANT1	Level4	ON2	DFT-s-	SA& ENDC	Front Side	15	167300	836.5	1	53	0.16	0.092	23.45	24.50	1.274	0.117	/	
	Level4	ON2				15	167800	839	50	28	0.03	0.094	23.41	24.50	1.285	0.121	/	
	Level4	ON2	OFDM		Back Side	15	167300	836.5	1	53	0.18	0.118	23.45	24.50	1.274	0.150	/	
	Level4	ON2	BPSK			15	167800	839	50	28	0.08	0.125	23.41	24.50	1.285	0.161	/	
Hotspot																		
ANT0	Level5&6	/	DFT-s-	SA	Front Side	10	166800	834	1	53	-0.08	0.305	22.77	24.00	1.327	0.405	/	
	Level5&6	/				10	166800	834	50	0	-0.19	0.321	22.62	24.00	1.374	0.442	/	
	Level5&6	/			OFDM	Back Side	10	166800	834	1	53	0.16	0.369	22.77	24.00	1.327	0.490	/
	Level5&6	/					10	166800	834	50	0	-0.16	0.393	22.62	24.00	1.374	0.540	/
	Level5&6	/	BPSK		Right Edge	10	166800	834	1	53	-0.14	0.504	22.77	24.00	1.327	0.669	/	
	Level5&6	/				10	166800	834	50	0	0.17	0.527	22.62	24.00	1.374	0.724	44#	
	Level5&6	/	Top Edge		10	166800	834	1	53	-0.02	0.031	22.77	24.00	1.327	0.041	/		
	Level5&6	/			10	166800	834	50	0	0.01	0.035	22.62	24.00	1.374	0.048	/		
ANT0	Level5&6	/	DFT-s-	ENDC	Front Side	10	166800	834	1	1	0.18	0.145	19.97	20.50	1.130	0.164	/	
	Level5&6	/				10	167300	836.5	50	0	0.07	0.150	19.92	20.50	1.143	0.171	/	
	Level5&6	/			OFDM	Back Side	10	166800	834	1	1	-0.07	0.174	19.97	20.50	1.130	0.196	/
	Level5&6	/					10	167300	836.5	50	0	-0.04	0.180	19.92	20.50	1.143	0.205	/
	Level5&6	/	BPSK		Right Edge	10	166800	834	1	1	0.06	0.245	19.97	20.50	1.130	0.276	/	
	Level5&6	/				10	167300	836.5	50	0	-0.18	0.262	19.92	20.50	1.143	0.299	/	
	Level5&6	/	Top Edge		10	166800	834	1	1	0.14	0.015	19.97	20.50	1.130	0.017	/		
	Level5&6	/			10	167300	836.5	50	0	0.12	0.017	19.92	20.50	1.143	0.019	/		
ANT1	Level5&6	ON2	DFT-s-	SA	Front Side	10	167300	836.5	1	53	0.11	0.059	23.45	24.50	1.274	0.075	/	
	Level5&6	ON2				10	167800	839	50	28	-0.18	0.050	23.41	24.50	1.285	0.064	/	
	Level5&6	ON2			OFDM	Back Side	10	167300	836.5	1	53	-0.15	0.072	23.45	24.50	1.274	0.092	/
	Level5&6	ON2					10	167800	839	50	28	0.14	0.066	23.41	24.50	1.285	0.085	/
	Level5&6	/	BPSK		Left Edge	10	167300	836.5	1	53	-0.06	0.064	23.45	24.50	1.274	0.082	/	
	Level5&6	/				10	167800	839	50	28	-0.03	0.053	23.41	24.50	1.285	0.068	/	
	Level5&6	ON2	Right Edge		10	167300	836.5	1	53	0.15	0.018	23.45	24.50	1.274	0.023	/		
	Level5&6	ON2			10	167800	839	50	28	0.18	0.014	23.41	24.50	1.285	0.018	/		
	Level5&6	ON2	Bottom Edge		10	167300	836.5	1	53	0.11	0.118	23.45	24.50	1.274	0.150	/		
	Level5&6	ON2			10	167800	839	50	28	-0.15	0.105	23.41	24.50	1.285	0.135	/		
ANT1	Level5&6	ON2	DFT-s-	ENDC	Front Side	10	167300	836.5	1	104	-0.16	0.059	23.29	24.00	1.178	0.069	/	
	Level5&6	ON2				10	167800	839	50	28	0.08	0.050	23.41	24.00	1.146	0.057	/	
	Level5&6	ON2	BPSK		Back Side	10	167300	836.5	1	104	-0.15	0.072	23.29	24.00	1.178	0.085	/	
	Level5&6	ON2				10	167800	839	50	28	0.10	0.066	23.41	24.00	1.146	0.075	/	

	Level5&6	/			Left Edge	10	167300	836.5	1	53	0.09	0.064	23.45	24.50	1.274	0.082	/
	Level5&6	/				10	167800	839	50	28	0.01	0.053	23.41	24.50	1.285	0.068	/
	Level5&6	ON2			Right Edge	10	167300	836.5	1	104	-0.03	0.018	23.29	24.00	1.178	0.021	/
	Level5&6	ON2				10	167800	839	50	28	-0.14	0.014	23.41	24.00	1.146	0.016	/
	Level5&6	ON2			Bottom Edge	10	167300	836.5	1	104	0.14	0.118	23.29	24.00	1.178	0.139	/
	Level5&6	ON2				10	167800	839	50	28	-0.08	0.105	23.41	24.00	1.146	0.120	/

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

11.18 5G n7 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB Start	Power Drift (dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
ANT3	Level1	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	1	53	0.01	0.370	16.25	16.50	1.059	0.392	/
	Level1	N/A				0	507000	2535	50	56	-0.19	0.387	16.24	16.50	1.062	0.411	/
	Level1	N/A			Left Tilt	0	507000	2535	1	53	0.07	0.484	16.25	16.50	1.059	0.513	/
	Level1	N/A				0	507000	2535	50	56	-0.02	0.519	16.24	16.50	1.062	0.551	/
	Level1	N/A			Right Cheek	0	507000	2535	1	53	0.17	0.572	16.25	16.50	1.059	0.606	/
	Level1	N/A				0	507000	2535	50	56	-0.12	0.603	16.24	16.50	1.062	0.640	/
	Level1	N/A			Right Tilt	0	507000	2535	1	53	-0.14	0.690	16.25	16.50	1.059	0.731	/
	Level1	N/A				0	507000	2535	50	56	0.19	0.729	16.24	16.50	1.062	0.774	45#
ANT3	Level2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	502000	2510	1	104	0.11	0.241	14.07	14.50	1.104	0.266	/
	Level2&3	N/A				0	507000	2535	50	56	-0.13	0.257	13.71	14.50	1.199	0.308	/
	Level2&3	N/A			Left Tilt	0	502000	2510	1	104	-0.17	0.266	14.07	14.50	1.104	0.294	/
	Level2&3	N/A				0	507000	2535	50	56	0.18	0.268	13.71	14.50	1.199	0.321	/
	Level2&3	N/A			Right Cheek	0	502000	2510	1	104	0.04	0.367	14.07	14.50	1.104	0.405	/
	Level2&3	N/A				0	507000	2535	50	56	-0.05	0.392	13.71	14.50	1.199	0.470	/
	Level2&3	N/A			Right Tilt	0	502000	2510	1	104	0.09	0.434	14.07	14.50	1.104	0.479	/
	Level2&3	N/A				0	507000	2535	50	56	0.03	0.459	13.71	14.50	1.199	0.551	/
ANT3	Level1	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	502000	2510	1	104	-0.04	0.241	14.07	14.50	1.104	0.266	/
	Level1	N/A				0	507000	2535	50	56	0.14	0.257	13.71	14.50	1.199	0.308	/
	Level1	N/A			Left Tilt	0	502000	2510	1	104	0.03	0.316	14.07	14.50	1.104	0.349	/
	Level1	N/A				0	507000	2535	50	56	-0.03	0.328	13.71	14.50	1.199	0.393	/
	Level1	N/A			Right Cheek	0	502000	2510	1	104	0.12	0.367	14.07	14.50	1.104	0.405	/
	Level1	N/A				0	507000	2535	50	56	0.15	0.392	13.71	14.50	1.199	0.470	/
	Level1	N/A			Right Tilt	0	502000	2510	1	104	0.11	0.434	14.07	14.50	1.104	0.479	/
	Level1	N/A				0	507000	2535	50	56	0.19	0.459	13.71	14.50	1.199	0.551	/
ANT3	Level2&3	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	507000	2535	1	1	-0.13	0.128	11.85	12.50	1.161	0.149	/
	Level2&3	N/A				0	502000	2510	50	28	-0.07	0.139	11.87	12.50	1.156	0.160	/
	Level2&3	N/A			Left Tilt	0	507000	2535	1	1	0.01	0.171	11.85	12.50	1.161	0.199	/
	Level2&3	N/A				0	502000	2510	50	28	-0.18	0.183	11.87	12.50	1.156	0.212	/
	Level2&3	N/A			Right Cheek	0	507000	2535	1	1	-0.15	0.196	11.85	12.50	1.161	0.228	/
	Level2&3	N/A				0	502000	2510	50	28	-0.19	0.214	11.87	12.50	1.156	0.247	/

	Level2&3	N/A			Right Tilt	0	507000	2535	1	1	-0.04	0.236	11.85	12.50	1.161	0.274	/
	Level2&3	N/A				0	502000	2510	50	28	-0.18	0.253	11.87	12.50	1.156	0.293	/
ANT4	Level1&2&3	N/A	DFT-s- OFDM BPSK	SA	Left Cheek	0	502000	2510	1	104	-0.17	0.100	22.74	24.00	1.337	0.134	/
	Level1&2&3	N/A				0	512000	2560	50	28	0.01	0.082	22.75	24.00	1.334	0.109	/
	Level1&2&3	N/A			Left Tilt	0	502000	2510	1	104	-0.19	0.078	22.74	24.00	1.337	0.104	/
	Level1&2&3	N/A				0	512000	2560	50	28	0.14	0.062	22.75	24.00	1.334	0.083	/
	Level1&2&3	N/A			Right Cheek	0	502000	2510	1	104	-0.17	0.106	22.74	24.00	1.337	0.142	/
	Level1&2&3	N/A				0	512000	2560	50	28	0.04	0.088	22.75	24.00	1.334	0.117	/
	Level1&2&3	N/A			Right Tilt	0	502000	2510	1	104	0.05	0.055	22.74	24.00	1.337	0.074	/
	Level1&2&3	N/A				0	512000	2560	50	28	-0.01	0.046	22.75	24.00	1.334	0.061	/
ANT5	Level1	N/A	DFT-s- OFDM BPSK	ENDC	Left Cheek	0	507000	2535	1	1	0.14	0.150	14.98	15.50	1.127	0.169	/
	Level1	N/A				0	507000	2535	50	28	-0.17	0.156	14.99	15.50	1.125	0.176	/
	Level1	N/A			Left Tilt	0	507000	2535	1	1	0.16	0.069	14.98	15.50	1.127	0.078	/
	Level1	N/A				0	507000	2535	50	28	0.13	0.076	14.99	15.50	1.125	0.086	/
	Level1	N/A			Right Cheek	0	507000	2535	1	1	-0.14	0.509	14.98	15.50	1.127	0.574	/
	Level1	N/A				0	507000	2535	50	28	0.15	0.536	14.99	15.50	1.125	0.603	/
	Level1	N/A			Right Tilt	0	507000	2535	1	1	0.02	0.212	14.98	15.50	1.127	0.239	/
	Level1	N/A				0	507000	2535	50	28	-0.18	0.221	14.99	15.50	1.125	0.248	/
ANT5	Level2&3	N/A	DFT-s- OFDM BPSK	ENDC	Left Cheek	0	507000	2535	1	1	-0.05	0.094	13.14	13.50	1.086	0.103	/
	Level2&3	N/A				0	507000	2535	50	0	0.17	0.097	13.19	13.50	1.074	0.104	/
	Level2&3	N/A			Left Tilt	0	507000	2535	1	1	-0.12	0.043	13.14	13.50	1.086	0.047	/
	Level2&3	N/A				0	507000	2535	50	0	-0.10	0.046	13.19	13.50	1.074	0.049	/
	Level2&3	N/A			Right Cheek	0	507000	2535	1	1	0.11	0.325	13.14	13.50	1.086	0.353	/
	Level2&3	N/A				0	507000	2535	50	0	-0.03	0.327	13.19	13.50	1.074	0.351	/
	Level2&3	N/A			Right Tilt	0	507000	2535	1	1	-0.03	0.135	13.14	13.50	1.086	0.147	/
	Level2&3	N/A				0	507000	2535	50	0	0.13	0.146	13.19	13.50	1.074	0.157	/
Body-worn Accessory																	
ANT3	Level4	/	DFT-s- OFDM BPSK	SA	Front Side	15	507000	2535	1	1	0.11	0.159	19.22	20.00	1.197	0.191	/
	Level4	/				15	507000	2535	50	28	-0.09	0.158	19.26	20.00	1.186	0.188	/
	Level4	/			Back Side	15	507000	2535	1	1	-0.16	0.247	19.22	20.00	1.197	0.295	/
	Level4	/				15	507000	2535	50	28	-0.06	0.252	19.26	20.00	1.186	0.299	46#
ANT3	Level4	ON2	DFT-s- OFDM BPSK	ENDC	Front Side	15	512000	2560	1	104	0.13	0.090	17.41	17.50	1.021	0.091	/
	Level4	ON2				15	507000	2535	50	28	0.12	0.093	17.48	17.50	1.005	0.093	/
	Level4	ON2			Back Side	15	512000	2560	1	104	-0.07	0.144	17.41	17.50	1.021	0.147	/
	Level4	ON2				15	507000	2535	50	28	0.08	0.148	17.48	17.50	1.005	0.149	/
ANT4	Level4	ON2	DFT-s- OFDM BPSK	SA	Front Side	15	507000	2535	1	53	-0.09	0.105	20.92	21.00	1.019	0.107	/
	Level4	ON2				15	507000	2535	50	28	-0.15	0.112	20.90	21.00	1.023	0.115	/
	Level4	ON2			Back Side	15	507000	2535	1	53	-0.18	0.155	20.92	21.00	1.019	0.158	/
	Level4	ON2				15	507000	2535	50	28	-0.07	0.153	20.90	21.00	1.023	0.157	/
ANT5	Level4	/	DFT-s- OFDM BPSK	ENDC	Front Side	15	507000	2535	1	1	-0.13	0.114	19.95	20.50	1.135	0.129	/
	Level4	/				15	507000	2535	50	0	-0.16	0.132	19.97	20.50	1.130	0.149	/
	Level4	/			Back Side	15	507000	2535	1	1	0.14	0.168	19.95	20.50	1.135	0.190	/
	Level4	/				15	507000	2535	50	0	0.10	0.175	19.97	20.50	1.130	0.198	/
Hotspot																	
ANT3	Level5&6	/	DFT-s-	SA	Front Side	10	512000	2560	1	53	0.04	0.182	18.44	19.00	1.138	0.207	/

	Level5&6	/	OFDM			10	507000	2535	50	56	0.01	0.189	18.34	19.00	1.164	0.220	/	
	Level5&6	/	BPSK			Back Side	10	512000	2560	1	53	0.08	0.292	18.44	19.00	1.138	0.332	/
	Level5&6	/					10	507000	2535	50	56	0.14	0.307	18.34	19.00	1.164	0.357	/
	Level5&6	/				Right Edge	10	512000	2560	1	53	0.02	0.076	18.44	19.00	1.138	0.086	/
	Level5&6	/					10	507000	2535	50	56	0.13	0.079	18.34	19.00	1.164	0.092	/
	Level5&6	/				Top Edge	10	512000	2560	1	53	-0.12	0.573	18.44	19.00	1.138	0.652	/
	Level5&6	/					10	507000	2535	50	56	0.09	0.606	18.34	19.00	1.164	0.705	47#
ANT3	Level5&6	/	DFT-s-OFDM BPSK	ENDC	Front Side	10	507000	2535	1	104	0.09	0.084	15.22	15.50	1.067	0.089	/	
	Level5&6	/				10	512000	2560	50	56	-0.03	0.084	15.22	15.50	1.067	0.090	/	
	Level5&6	/			Back Side	10	507000	2535	1	104	0.12	0.139	15.22	15.50	1.067	0.148	/	
	Level5&6	/				10	512000	2560	50	56	0.00	0.141	15.22	15.50	1.067	0.150	/	
	Level5&6	/			Right Edge	10	507000	2535	1	104	-0.13	0.036	15.22	15.50	1.067	0.038	/	
	Level5&6	/				10	512000	2560	50	56	0.06	0.037	15.22	15.50	1.067	0.039	/	
	Level5&6	/			Top Edge	10	507000	2535	1	104	0.16	0.260	15.22	15.50	1.067	0.277	/	
	Level5&6	/				10	512000	2560	50	56	-0.13	0.271	15.22	15.50	1.067	0.289	/	
ANT4	Level5&6	ON2	DFT-s-OFDM BPSK	SA	Front Side	10	512000	2560	1	104	0.10	0.190	20.01	20.50	1.119	0.213	/	
	Level5&6	ON2				10	507000	2535	50	56	-0.16	0.206	19.97	20.50	1.130	0.233	/	
	Level5&6	ON2			Back Side	10	512000	2560	1	104	0.10	0.256	20.01	20.50	1.119	0.287	/	
	Level5&6	ON2				10	507000	2535	50	56	-0.12	0.273	19.97	20.50	1.130	0.308	/	
	Level5&6	/			Left Edge	10	502000	2510	1	104	0.08	0.049	22.74	24.00	1.337	0.066	/	
	Level5&6	/				10	512000	2560	50	28	0.16	0.048	22.75	24.00	1.334	0.064	/	
	Level5&6	ON2			Bottom Edge	10	512000	2560	1	104	0.14	0.430	20.01	20.50	1.119	0.481	/	
	Level5&6	ON2				10	507000	2535	50	56	0.16	0.453	19.97	20.50	1.130	0.512	/	
ANT5	Level5&6	/	DFT-s-OFDM BPSK	ENDC	Front Side	10	502000	2510	1	1	-0.12	0.097	18.07	18.50	1.104	0.107	/	
	Level5&6	/				10	502000	2510	50	28	-0.08	0.100	18.14	18.50	1.086	0.108	/	
	Level5&6	/			Back Side	10	502000	2510	1	1	0.02	0.138	18.07	18.50	1.104	0.152	/	
	Level5&6	/				10	502000	2510	50	28	0.10	0.145	18.14	18.50	1.086	0.157	/	
	Level5&6	/			Right Edge	10	502000	2510	1	1	-0.14	0.198	18.07	18.50	1.104	0.219	/	
	Level5&6	/				10	502000	2510	50	28	-0.12	0.211	18.14	18.50	1.086	0.229	/	
	Level5&6	/			Top Edge	10	502000	2510	1	1	-0.05	0.029	18.07	18.50	1.104	0.032	/	
	Level5&6	/				10	502000	2510	50	28	-0.10	0.031	18.14	18.50	1.086	0.034	/	
P-sensor Off																		
ANT4	/	OFF	DFT-s-OFDM BPSK	SA	Front Side	21	502000	2510	1	104	0.06	0.049	22.74	24.00	1.337	0.066	/	
	/	OFF				21	512000	2560	50	28	-0.16	0.048	22.75	24.00	1.334	0.064	/	
	/	OFF			Back Side	21	502000	2510	1	104	0.13	0.072	22.74	24.00	1.337	0.097	/	
	/	OFF				21	512000	2560	50	28	-0.19	0.068	22.75	24.00	1.334	0.091	/	
	/	OFF			Bottom Edge	22	502000	2510	1	104	0.14	0.177	22.74	24.00	1.337	0.236	/	
	/	OFF				22	512000	2560	50	28	0.04	0.155	22.75	24.00	1.334	0.207	/	
Note: Refer to ANNEX C for the detailed test data for each test configuration.																		

11.19 5G n38 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
ANT3	Level1	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	1	-0.17	0.449	16.54	17.00	1.112	0.499	/
	Level1	N/A				0	519000	2595	50	28	-0.01	0.455	16.67	17.00	1.079	0.491	/
	Level1	N/A			Left Tilt	0	519000	2595	1	1	0.07	0.591	16.54	17.00	1.112	0.657	/
	Level1	N/A				0	519000	2595	50	28	-0.19	0.597	16.67	17.00	1.079	0.644	/
	Level1	N/A			Right Cheek	0	519000	2595	1	1	-0.15	0.636	16.54	17.00	1.112	0.707	/
	Level1	N/A				0	519000	2595	50	28	-0.12	0.641	16.67	17.00	1.079	0.692	/
	Level1	N/A			Right Tilt	0	519000	2595	1	1	-0.05	0.813	16.54	17.00	1.112	0.904	48#
	Level1	N/A				0	516000	2580	1	53	-0.10	0.788	16.47	17.00	1.130	0.890	/
	Level1	N/A				0	522000	2610	1	104	-0.09	0.794	16.54	17.00	1.112	0.883	/
	Level1	N/A				0	519000	2595	50	28	-0.06	0.813	16.67	17.00	1.079	0.877	/
	Level1	N/A				0	516000	2580	50	28	0.05	0.766	16.55	17.00	1.109	0.850	/
	Level1	N/A				0	522000	2610	50	0	0.12	0.742	16.60	17.00	1.096	0.814	/
Level1	N/A	0	519000	2595		100	0	0.15	0.750	16.58	17.00	1.102	0.826	/			
Level1	N/A	0	519000	2595		100	0	0.15	0.750	16.58	17.00	1.102	0.826	/			
ANT3	Level2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	53	0.16	0.185	12.92	13.50	1.143	0.211	/
	Level2&3	N/A				0	519000	2595	50	28	0.19	0.192	12.90	13.50	1.148	0.220	/
	Level2&3	N/A			Left Tilt	0	519000	2595	1	53	0.09	0.245	12.92	13.50	1.143	0.280	/
	Level2&3	N/A				0	519000	2595	50	28	-0.12	0.252	12.90	13.50	1.148	0.289	/
	Level2&3	N/A			Right Cheek	0	519000	2595	1	53	-0.04	0.263	12.92	13.50	1.143	0.301	/
	Level2&3	N/A				0	519000	2595	50	28	-0.16	0.268	12.90	13.50	1.148	0.308	/
	Level2&3	N/A			Right Tilt	0	519000	2595	1	53	0.11	0.398	12.92	13.50	1.143	0.455	/
	Level2&3	N/A				0	519000	2595	50	28	0.12	0.404	12.90	13.50	1.148	0.464	/
ANT4	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	53	0.04	0.057	22.68	24.00	1.355	0.077	/
	Level1&2&3	N/A				0	519000	2595	50	28	-0.15	0.052	22.74	24.00	1.337	0.070	/
	Level1&2&3	N/A			Left Tilt	0	519000	2595	1	53	0.15	0.049	22.68	24.00	1.355	0.066	/
	Level1&2&3	N/A				0	519000	2595	50	28	0.05	0.046	22.74	24.00	1.337	0.061	/
	Level1&2&3	N/A			Right Cheek	0	519000	2595	1	53	0.14	0.049	22.68	24.00	1.355	0.066	/
	Level1&2&3	N/A				0	519000	2595	50	28	0.00	0.050	22.74	24.00	1.337	0.066	/
	Level1&2&3	N/A			Right Tilt	0	519000	2595	1	53	-0.16	0.033	22.68	24.00	1.355	0.045	/
	Level1&2&3	N/A				0	519000	2595	50	28	0.04	0.031	22.74	24.00	1.337	0.041	/
Body-worn Accessory																	
ANT3	Level4	/	DFT-s-OFDM BPSK	SA	Front Side	15	516000	2580	1	53	0.17	0.182	20.11	20.50	1.094	0.199	/
	Level4	/				15	519000	2595	50	56	-0.10	0.195	20.11	20.50	1.094	0.213	/
	Level4	/			Back Side	15	516000	2580	1	53	0.08	0.306	20.11	20.50	1.094	0.334	/
	Level4	/				15	519000	2595	50	56	0.18	0.312	20.11	20.50	1.094	0.341	49#
ANT4	Level4	ON2	DFT-s-OFDM BPSK	SA	Front Side	15	522000	2610	1	1	0.06	0.120	20.81	21.00	1.045	0.126	/
	Level4	ON2				15	522000	2610	50	0	0.04	0.117	20.81	21.00	1.045	0.123	/
	Level4	ON2			Back Side	15	522000	2610	1	1	0.13	0.122	20.81	21.00	1.045	0.127	/
	Level4	ON2				15	522000	2610	50	0	0.15	0.143	20.81	21.00	1.045	0.149	/
Hotspot																	

ANT3	Level5&6	/	DFT-s-OFDM	SA	Front Side	10	519000	2595	1	53	0.06	0.223	19.19	19.50	1.074	0.239	/
	Level5&6	/				10	519000	2595	50	0	0.07	0.235	19.13	19.50	1.089	0.255	/
	Level5&6	/			Back Side	10	519000	2595	1	53	-0.01	0.385	19.19	19.50	1.074	0.413	/
	Level5&6	/				10	519000	2595	50	0	-0.01	0.389	19.13	19.50	1.089	0.423	/
	Level5&6	/			Right Edge	10	519000	2595	1	53	-0.06	0.070	19.19	19.50	1.074	0.075	/
	Level5&6	/				10	519000	2595	50	0	-0.18	0.071	19.13	19.50	1.089	0.077	/
	Level5&6	/			Top Edge	10	519000	2595	1	53	0.15	0.734	19.19	19.50	1.074	0.788	/
	Level5&6	/				10	519000	2595	50	0	0.12	0.749	19.13	19.50	1.089	0.816	50#
	Level5&6	/				10	516000	2580	50	0	-0.04	0.717	19.04	19.50	1.112	0.797	/
	Level5&6	/				10	522000	2610	50	28	0.15	0.702	18.89	19.50	1.151	0.808	/
Level5&6	/		10	519000	2595	100	0	-0.09	0.723	19.08	19.50	1.102	0.796	/			
ANT4	Level5&6	ON2	DFT-s-OFDM	SA	Front Side	10	516000	2580	1	53	0.17	0.182	19.86	20.50	1.159	0.211	/
	Level5&6	ON2				10	519000	2595	50	28	0.17	0.171	19.96	20.50	1.132	0.194	/
	Level5&6	ON2			Back Side	10	516000	2580	1	53	-0.15	0.187	19.86	20.50	1.159	0.217	/
	Level5&6	ON2				10	519000	2595	50	28	0.04	0.196	19.96	20.50	1.132	0.222	/
	Level5&6	/			Left Edge	10	519000	2595	1	53	-0.12	0.055	22.68	24.00	1.355	0.075	/
	Level5&6	/				10	519000	2595	50	28	-0.13	0.054	22.74	24.00	1.337	0.073	/
	Level5&6	ON2			Bottom Edge	10	516000	2580	1	53	0.12	0.521	19.86	20.50	1.159	0.604	/
	Level5&6	ON2				10	519000	2595	50	28	0.11	0.542	19.96	20.50	1.132	0.614	/
P-sensor Off																	
ANT4	/	OFF	DFT-s-OFDM	SA	Front Side	21	519000	2595	1	53	-0.01	0.061	22.68	24.00	1.355	0.082	/
	/	OFF				21	519000	2595	50	28	-0.11	0.060	22.74	24.00	1.337	0.080	/
	/	OFF			Back Side	21	519000	2595	1	53	-0.05	0.064	22.68	24.00	1.355	0.087	/
	/	OFF				21	519000	2595	50	28	-0.05	0.068	22.74	24.00	1.337	0.091	/
	/	OFF			Bottom Edge	22	519000	2595	1	53	-0.14	0.185	22.68	24.00	1.355	0.250	/
	/	OFF				22	519000	2595	50	28	0.02	0.179	22.74	24.00	1.337	0.239	/

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

11.20 5G n41 (100MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
ANT3	Level1	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	1	0.05	0.467	17.01	17.50	1.119	0.523	/
	Level1	N/A				0	518598	2592.99	135	0	0.02	0.512	17.22	17.50	1.067	0.546	/
	Level1	N/A			Left Tilt	0	518598	2592.99	1	1	-0.09	0.585	17.01	17.50	1.119	0.655	/
	Level1	N/A				0	518598	2592.99	135	0	-0.05	0.649	17.22	17.50	1.067	0.692	/
	Level1	N/A			Right Cheek	0	518598	2592.99	1	1	0.08	0.729	17.01	17.50	1.119	0.816	/
	Level1	N/A				0	509202	2546.01	1	1	0.12	0.915	16.86	17.50	1.159	1.060	/
	Level1	N/A				0	513900	2546.01	1	271	-0.12	0.684	16.94	17.50	1.138	0.778	/
	Level1	N/A				0	523302	2569.5	1	137	-0.10	0.843	16.93	17.50	1.140	0.961	/
	Level1	N/A				0	528000	2640	1	1	0.06	0.875	16.89	17.50	1.151	1.007	/
	Level1	N/A				0	518598	2592.99	135	0	-0.04	0.725	17.22	17.50	1.067	0.773	/
	Level1	N/A			Right Tilt	0	518598	2592.99	270	0	-0.16	0.909	17.25	17.50	1.059	0.963	/
	Level1	N/A				0	518598	2592.99	1	1	-0.10	0.853	17.01	17.50	1.119	0.955	/
	Level1	N/A				0	509202	2546.01	1	1	-0.16	0.992	16.86	17.50	1.159	1.150	/
	Level1	N/A				0	513900	2546.01	1	271	-0.01	0.730	16.94	17.50	1.138	0.830	/
	Level1	N/A				0	523302	2569.5	1	137	0.16	0.984	16.93	17.50	1.140	1.122	/
	Level1	N/A				0	528000	2640	1	1	0.17	1.020	16.89	17.50	1.151	1.174	/
	Level1	N/A				0	518598	2592.99	135	0	0.01	1.040	17.22	17.50	1.067	1.109	/
	Level1	N/A				0	509202	2546.01	135	69	0.01	1.100	17.20	17.50	1.072	1.179	51#
	Level1	N/A				0	513900	2546.01	135	138	0.10	0.974	16.90	17.50	1.148	1.118	/
	Level1	N/A				0	523302	2569.5	135	138	0.00	0.986	16.96	17.50	1.132	1.117	/
Level1	N/A	0	528000	2640	135	138	0.11	0.805	16.96	17.50	1.132	0.912	/				
Level1	N/A	0	518598	2592.99	270	0	0.09	1.023	17.25	17.50	1.059	1.084	/				
ANT3	Level2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	137	0.05	0.217	12.56	13.50	1.242	0.269	/
	Level2&3	N/A				0	518598	2592.99	135	69	0.15	0.228	13.11	13.50	1.094	0.249	/
	Level2&3	N/A			Left Tilt	0	518598	2592.99	1	137	0.05	0.229	12.56	13.50	1.242	0.284	/
	Level2&3	N/A				0	518598	2592.99	135	69	0.10	0.255	13.11	13.50	1.094	0.279	/
	Level2&3	N/A			Right Cheek	0	518598	2592.99	1	137	0.05	0.401	12.56	13.50	1.242	0.498	/
	Level2&3	N/A				0	518598	2592.99	135	69	0.04	0.435	13.11	13.50	1.094	0.476	/
	Level2&3	N/A			Right Tilt	0	518598	2592.99	1	137	0.04	0.483	12.56	13.50	1.242	0.600	/
	Level2&3	N/A				0	518598	2592.99	135	69	-0.08	0.509	13.11	13.50	1.094	0.557	/
ANT4	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	509202	2546.01	1	53	0.06	0.058	22.48	24.00	1.419	0.082	/
	Level1&2&3	N/A				0	528000	2640	135	28	0.12	0.052	22.59	24.00	1.384	0.072	/
	Level1&2&3	N/A			Left Tilt	0	509202	2546.01	1	53	-0.01	0.056	22.48	24.00	1.419	0.079	/
	Level1&2&3	N/A				0	528000	2640	135	28	-0.04	0.054	22.59	24.00	1.384	0.075	/
	Level1&2&3	N/A			Right Cheek	0	509202	2546.01	1	53	-0.10	0.063	22.48	24.00	1.419	0.090	/
	Level1&2&3	N/A				0	528000	2640	135	28	0.15	0.062	22.59	24.00	1.384	0.086	/
	Level1&2&3	N/A			Right Tilt	0	509202	2546.01	1	53	-0.04	0.049	22.48	24.00	1.419	0.070	/
	Level1&2&3	N/A				0	528000	2640	135	28	-0.17	0.051	22.59	24.00	1.384	0.071	/
Body-worn Accessory																	

ANT3	Level4	/	DFT-s- OFDM BPSK	SA	Front Side	15	523302	2616.51	1	137	0.11	0.149	20.45	20.50	1.012	0.150	/
	Level4	/				15	523302	2616.51	135	0	0.06	0.142	20.45	20.55	1.023	0.146	/
	Level4	/			Back Side	15	523302	2616.51	1	137	-0.04	0.244	20.45	20.50	1.012	0.247	52#
	Level4	/				15	523302	2616.51	135	0	-0.12	0.228	20.45	20.55	1.023	0.233	/
ANT4	Level4	ON2	DFT-s- OFDM BPSK	SA	Front Side	15	509202	2546.01	1	53	-0.18	0.079	20.83	21.00	1.040	0.082	/
	Level4	ON2				15	518598	2592.99	135	0	0.18	0.092	20.99	21.00	1.002	0.092	/
	Level4	ON2			Back Side	15	509202	2546.01	1	53	0.16	0.118	20.83	21.00	1.040	0.122	/
	Level4	ON2				15	518598	2592.99	135	0	-0.14	0.117	20.99	21.00	1.002	0.117	/

Hotspot

ANT3	Level5&6	/	DFT-s- OFDM BPSK	SA	Front Side	10	528000	2640	1	104	0.12	0.239	18.64	19.50	1.219	0.291	/
	Level5&6	/				10	523302	2616.51	135	69	-0.01	0.262	19.04	19.50	1.112	0.292	/
	Level5&6	/			Back Side	10	528000	2640	1	104	-0.03	0.383	18.64	19.50	1.219	0.467	/
	Level5&6	/				10	523302	2616.51	135	69	-0.17	0.407	19.04	19.50	1.112	0.453	/
	Level5&6	/			Right Edge	10	528000	2640	1	104	-0.04	0.099	18.64	19.50	1.219	0.121	/
	Level5&6	/				10	523302	2616.51	135	69	-0.12	0.097	19.04	19.50	1.112	0.108	/
	Level5&6	/			Top Edge	10	528000	2640	1	104	0.04	0.634	18.64	19.50	1.219	0.773	/
	Level5&6	/				10	523302	2616.51	135	69	0.06	0.768	19.04	19.50	1.112	0.854	53#
ANT4	Level5&6	ON2	DFT-s- OFDM BPSK	SA	Front Side	10	513900	2546.01	1	1	-0.17	0.216	19.81	20.50	1.172	0.253	/
	Level5&6	ON2				10	518598	2592.99	135	0	0.16	0.222	20.09	20.50	1.099	0.244	/
	Level5&6	ON2			Back Side	10	513900	2546.01	1	1	-0.12	0.242	19.81	20.50	1.172	0.284	/
	Level5&6	ON2				10	518598	2592.99	135	0	-0.09	0.261	20.09	20.50	1.099	0.287	/
	Level5&6	/			Left Edge	10	509202	2546.01	1	53	0.15	0.060	22.48	24.00	1.419	0.086	/
	Level5&6	/				10	528000	2640	135	28	-0.02	0.060	22.59	24.00	1.384	0.084	/
	Level5&6	ON2			Bottom Edge	10	513900	2546.01	1	1	-0.16	0.341	19.81	20.50	1.172	0.400	/
	Level5&6	ON2				10	518598	2592.99	135	0	-0.13	0.380	20.09	20.50	1.099	0.418	/

P-sensor Off P-sensor Off

ANT4	/	OFF	DFT-s- OFDM BPSK	SA	Front Side	21	509202	2546.01	1	53	-0.13	0.044	22.48	24.00	1.419	0.063	/
	/	OFF				21	528000	2640	135	28	-0.10	0.059	22.59	24.00	1.384	0.081	/
	/	OFF			Back Side	21	509202	2546.01	1	53	0.11	0.064	22.48	24.00	1.419	0.091	/
	/	OFF				21	528000	2640	135	28	-0.08	0.070	22.59	24.00	1.384	0.097	/
	/	OFF			Bottom Edge	22	509202	2546.01	1	53	-0.08	0.158	22.48	24.00	1.419	0.224	/
	/	OFF				22	528000	2640	135	28	-0.14	0.142	22.59	24.00	1.384	0.197	/

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

11.21 5G n66 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.3	Level1	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	354000	1770	1	53	-0.16	0.136	14.19	14.50	1.074	0.146	/
	Level1	N/A				0	349000	1745	50	0	-0.05	0.138	14.30	14.50	1.047	0.144	/
	Level1	N/A			Left Tilt	0	354000	1770	1	53	0.06	0.170	14.19	14.50	1.074	0.183	/
	Level1	N/A				0	349000	1745	50	0	-0.13	0.173	14.30	14.50	1.047	0.181	/
	Level1	N/A			Right Cheek	0	354000	1770	1	53	0.13	0.208	14.19	14.50	1.074	0.223	/
	Level1	N/A				0	349000	1745	50	0	-0.16	0.212	14.30	14.50	1.047	0.222	/
	Level1	N/A			Right Tilt	0	354000	1770	1	53	-0.08	0.251	14.19	14.50	1.074	0.270	/
	Level1	N/A				0	349000	1745	50	0	0.07	0.259	14.30	14.50	1.047	0.271	54#
Ant.3	Level2&3	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	344000	1720	1	104	0.11	0.103	12.18	12.50	1.076	0.111	/
	Level2&3	N/A				0	354000	1770	50	0	-0.19	0.108	12.30	12.50	1.047	0.113	/
	Level2&3	N/A			Left Tilt	0	344000	1720	1	104	0.04	0.122	12.18	12.50	1.076	0.131	/
	Level2&3	N/A				0	354000	1770	50	0	0.15	0.128	12.30	12.50	1.047	0.134	/
	Level2&3	N/A			Right Cheek	0	344000	1720	1	104	-0.06	0.145	12.18	12.50	1.076	0.156	/
	Level2&3	N/A				0	354000	1770	50	0	0.08	0.149	12.30	12.50	1.047	0.156	/
	Level2&3	N/A			Right Tilt	0	344000	1720	1	104	0.02	0.169	12.18	12.50	1.076	0.182	/
	Level2&3	N/A				0	354000	1770	50	0	-0.11	0.177	12.30	12.50	1.047	0.185	/
Ant.4	Level1&2&3	N/A	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	344000	1720	1	104	-0.17	0.077	22.11	24.00	1.545	0.120	/
	Level1&2&3	N/A				0	354000	1770	50	0	0.06	0.064	21.36	23.00	1.459	0.093	/
	Level1&2&3	N/A			Left Tilt	0	344000	1720	1	104	-0.16	0.048	22.11	24.00	1.545	0.074	/
	Level1&2&3	N/A				0	354000	1770	50	0	-0.08	0.040	21.36	23.00	1.459	0.058	/
	Level1&2&3	N/A			Right Cheek	0	344000	1720	1	104	0.11	0.127	22.11	24.00	1.545	0.197	/
	Level1&2&3	N/A				0	354000	1770	50	0	-0.08	0.103	21.36	23.00	1.459	0.150	/
	Level1&2&3	N/A			Right Tilt	0	344000	1720	1	104	0.02	0.064	22.11	24.00	1.545	0.099	/
	Level1&2&3	N/A				0	354000	1770	50	0	-0.15	0.048	21.36	23.00	1.459	0.070	/
Body-worn Accessory																	
Ant.3	Level4	/	DFT-s-OFDM BPSK	ENDC	Front Side	15	349000	1745	1	1	0.02	0.046	18.58	19.00	1.102	0.050	/
	Level4	/				15	349000	1745	50	56	0.12	0.074	18.85	19.00	1.035	0.077	/
	Level4	/			Back Side	15	349000	1745	1	1	-0.03	0.072	18.58	19.00	1.102	0.079	/
	Level4	/				15	349000	1745	50	56	0.06	0.114	18.85	19.00	1.035	0.118	/
Ant.4	Level4	ON2	DFT-s-OFDM BPSK	ENDC	Front Side	15	344000	1720	1	1	0.10	0.089	19.21	20.50	1.346	0.120	/
	Level4	ON2				15	349000	1745	50	0	-0.11	0.087	19.06	20.50	1.393	0.122	/
	Level4	ON2			Back Side	15	344000	1720	1	1	-0.03	0.164	19.21	20.50	1.346	0.221	/
	Level4	ON2				15	349000	1745	50	0	0.09	0.167	19.06	20.50	1.393	0.233	55#
Hotspot																	
Ant.3	Level5&6	/	DFT-s-OFDM BPSK	ENDC	Front Side	10	342500	1712.5	1	1	0.06	0.059	16.61	17.00	1.094	0.065	/
	Level5&6	/				10	342500	1712.5	50	56	-0.16	0.093	16.63	17.00	1.089	0.102	/
	Level5&6	/			Back Side	10	342500	1712.5	1	1	-0.04	0.093	16.61	17.00	1.094	0.102	/
	Level5&6	/				10	342500	1712.5	50	56	-0.10	0.151	16.63	17.00	1.089	0.164	/
	Level5&6	/			Right Edge	10	342500	1712.5	1	1	0.15	0.007	16.61	17.00	1.094	0.008	/

	Level5&6	/			Top Edge	10	342500	1712.5	50	56	-0.13	0.013	16.63	17.00	1.089	0.014	/
	Level5&6	/				10	342500	1712.5	1	1	0.11	0.150	16.61	17.00	1.094	0.164	/
	Level5&6	/				10	342500	1712.5	50	56	0.15	0.235	16.63	17.00	1.089	0.256	/
Ant.4	Level5&6	ON2	DFT-s- OFDM BPSK	ENDC	Front Side	10	349000	1745	1	1	0.07	0.154	18.64	19.00	1.086	0.167	/
	Level5&6	ON2				10	344000	1720	50	56	0.19	0.151	18.84	19.00	1.038	0.156	/
	Level5&6	ON2			Back Side	10	349000	1745	1	1	-0.19	0.207	18.64	19.00	1.086	0.225	/
	Level5&6	ON2				10	344000	1720	50	56	0.10	0.203	18.84	19.00	1.038	0.211	/
	Level5&6	/			Left Edge	10	344000	1720	1	104	0.08	0.430	22.11	24.00	1.545	0.664	56#
	Level5&6	/				10	354000	1770	50	0	0.13	0.406	21.36	23.00	1.459	0.592	/
	Level5&6	ON2			Bottom Edge	10	349000	1745	1	1	-0.19	0.319	18.64	19.00	1.086	0.347	/
	Level5&6	ON2				10	344000	1720	50	56	0.12	0.320	18.84	19.00	1.038	0.332	/
P-sensor Off																	
Ant.4	/	OFF	DFT-s- OFDM BPSK	ENDC	Front Side	21	344000	1720	1	104	0.16	0.099	22.11	24.00	1.545	0.154	/
	/	OFF				21	354000	1770	50	0	0.11	0.088	21.36	23.00	1.459	0.129	/
	/	OFF			Back Side	21	344000	1720	1	104	0.03	0.118	22.11	24.00	1.545	0.182	/
	/	OFF				21	354000	1770	50	0	0.15	0.104	21.36	23.00	1.459	0.152	/
	/	OFF			Bottom Edge	22	344000	1720	1	104	-0.02	0.175	22.11	24.00	1.545	0.270	/
	/	OFF				22	354000	1770	50	0	0.14	0.144	21.36	23.00	1.459	0.210	/

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

11.22 LTE (ENDC) Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
ANT0	Level1	N/A	ENDC	Left Cheek	0	20525	836.5	1	Mid	0.14	0.405	20.41	20.50	1.021	0.413	/
	Level1	N/A			0	20450	829	25	High	-0.06	0.409	20.42	20.50	1.019	0.417	57#
	Level1	N/A		Left Tilt	0	20525	836.5	1	Mid	-0.15	0.058	20.41	20.50	1.021	0.059	/
	Level1	N/A			0	20450	829	25	High	-0.19	0.057	20.42	20.50	1.019	0.058	/
	Level1	N/A		Right Cheek	0	20525	836.5	1	Mid	0.15	0.228	20.41	20.50	1.021	0.232	/
	Level1	N/A			0	20450	829	25	High	-0.10	0.226	20.42	20.50	1.019	0.230	/
	Level1	N/A		Right Tilt	0	20525	836.5	1	Mid	0.16	0.052	20.41	20.50	1.021	0.053	/
	Level1	N/A			0	20450	829	25	High	0.05	0.050	20.42	20.50	1.019	0.051	/
ANT0	Level2&3	N/A	ENDC	Left Cheek	0	20525	836.5	1	Low	0.15	0.172	16.28	16.50	1.052	0.181	/
	Level2&3	N/A			0	20450	829	25	Low	-0.13	0.175	16.25	16.50	1.059	0.185	/
	Level2&3	N/A		Left Tilt	0	20525	836.5	1	Low	-0.09	0.079	16.28	16.50	1.052	0.083	/
	Level2&3	N/A			0	20450	829	25	Low	0.05	0.083	16.25	16.50	1.059	0.088	/
	Level2&3	N/A		Right Cheek	0	20525	836.5	1	Low	-0.01	0.103	16.28	16.50	1.052	0.108	/
	Level2&3	N/A			0	20450	829	25	Low	-0.06	0.107	16.25	16.50	1.059	0.113	/
	Level2&3	N/A		Right Tilt	0	20525	836.5	1	Low	-0.04	0.049	16.28	16.50	1.052	0.052	/
	Level2&3	N/A			0	20450	829	25	Low	0.04	0.055	16.25	16.50	1.059	0.058	/
ANT1	Level1&2&3	N/A	ENDC	Left Cheek	0	20450	829	1	High	0.14	0.064	23.56	24.00	1.107	0.071	/
	Level1&2&3	N/A			0	20525	836.5	25	Low	-0.14	0.053	22.53	24.00	1.403	0.074	/
	Level1&2&3	N/A		Left Tilt	0	20450	829	1	High	0.11	0.043	23.56	24.00	1.107	0.048	/
	Level1&2&3	N/A			0	20525	836.5	25	Low	0.00	0.036	22.53	24.00	1.403	0.051	/
	Level1&2&3	N/A		Right Cheek	0	20450	829	1	High	0.16	0.084	23.56	24.00	1.107	0.093	/
	Level1&2&3	N/A			0	20525	836.5	25	Low	-0.16	0.069	22.53	24.00	1.403	0.097	/
	Level1&2&3	N/A		Right Tilt	0	20450	829	1	High	-0.04	0.066	23.56	24.00	1.107	0.073	/
	Level1&2&3	N/A			0	20525	836.5	25	Low	-0.05	0.054	22.53	24.00	1.403	0.076	/
Body-worn Accessory																
ANT0	Level4	/	ENDC	Front Side	15	20450	829	1	Low	-0.10	0.158	22.44	22.50	1.014	0.160	/
	Level4	/			15	20450	829	25	Mid	-0.14	0.157	22.46	22.50	1.009	0.158	/
	Level4	/		Back Side	15	20450	829	1	Low	0.07	0.181	22.44	22.50	1.014	0.184	58#
	Level4	/			15	20450	829	25	Mid	-0.11	0.178	22.46	22.50	1.009	0.180	/
ANT1	Level4	ON2	ENDC	Front Side	15	20450	829	1	High	-0.14	0.108	23.49	23.50	1.002	0.108	/
	Level4	ON2			15	20525	836.5	25	Low	0.03	0.095	22.53	23.00	1.114	0.106	/
	Level4	ON2		Back Side	15	20450	829	1	High	0.16	0.126	23.49	23.50	1.002	0.126	/
	Level4	ON2			15	20525	836.5	25	Low	0.13	0.110	22.53	23.00	1.114	0.123	/
Hotspot																
ANT0	Level5&6	/	ENDC	Front Side	10	20525	836.5	1	Mid	-0.06	0.152	20.41	20.50	1.021	0.156	/
	Level5&6	/			10	20450	829	25	High	-0.02	0.151	20.42	20.50	1.019	0.154	/
	Level5&6	/		Back Side	10	20525	836.5	1	Mid	0.02	0.180	20.41	20.50	1.021	0.184	/
	Level5&6	/			10	20450	829	25	High	0.15	0.180	20.42	20.50	1.019	0.183	/
	Level5&6	/		Right Edge	10	20525	836.5	1	Mid	0.13	0.261	20.41	20.50	1.021	0.266	59#

	Level5&6	/		Top Edge	10	20450	829	25	High	0.16	0.259	20.42	20.50	1.019	0.264	/
	Level5&6	/			10	20525	836.5	1	Mid	0.11	0.056	20.41	20.50	1.021	0.057	/
	Level5&6	/			10	20450	829	25	High	-0.17	0.054	20.42	20.50	1.019	0.055	/
ANT1	Level5&6	ON2	ENDC	Front Side	10	20450	829	1	High	0.07	0.044	23.49	23.50	1.002	0.044	/
	Level5&6	ON2			10	20525	836.5	25	Low	-0.17	0.043	22.53	23.00	1.114	0.048	/
	Level5&6	ON2		Back Side	10	20450	829	1	High	0.05	0.056	23.49	23.50	1.002	0.056	/
	Level5&6	ON2			10	20525	836.5	25	Low	0.04	0.053	22.53	23.00	1.114	0.059	/
	Level5&6	/		Left Edge	10	20450	829	1	High	-0.07	0.213	23.56	24.00	1.107	0.236	/
	Level5&6	/			10	20525	836.5	25	Low	0.13	0.176	22.53	24.00	1.403	0.247	/
	Level5&6	ON2		Right Edge	10	20450	829	1	High	-0.05	0.033	23.49	23.50	1.002	0.033	/
	Level5&6	ON2			10	20525	836.5	25	Low	0.00	0.024	22.53	23.00	1.114	0.027	/
	Level5&6	ON2		Bottom Edge	10	20450	829	1	High	-0.05	0.130	23.49	23.50	1.002	0.130	/
	Level5&6	ON2			10	20525	836.5	25	Low	-0.13	0.109	22.53	23.00	1.114	0.121	/

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

11.23 LTE (ENDC) Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
ANT3	Level1	N/A	ENDC DC_7A_ n5A	Left Cheek	0	21350	2560	1	High	0.16	0.327	13.65	14.00	1.084	0.354	/
	Level1	N/A			0	20850	2510	50	Low	0.04	0.336	13.67	14.00	1.079	0.363	/
	Level1	N/A		Left Tilt	0	21350	2560	1	High	-0.04	0.425	13.65	14.00	1.084	0.461	/
	Level1	N/A			0	20850	2510	50	Low	0.01	0.438	13.67	14.00	1.079	0.473	/
	Level1	N/A		Right Cheek	0	21350	2560	1	High	-0.17	0.474	13.65	14.00	1.084	0.514	/
	Level1	N/A			0	20850	2510	50	Low	0.12	0.488	13.67	14.00	1.079	0.527	/
	Level1	N/A		Right Tilt	0	21350	2560	1	High	0.00	0.521	13.65	14.00	1.084	0.565	/
	Level1	N/A			0	20850	2510	50	Low	0.19	0.532	13.67	14.00	1.079	0.574	60#
ANT3	Level2&3	N/A	ENDC DC_7A_ n5A	Left Cheek	0	21100	2535	1	Low	0.14	0.100	9.20	9.50	1.072	0.107	/
	Level2&3	N/A			0	21100	2535	50	Low	0.12	0.103	9.21	9.50	1.069	0.110	/
	Level2&3	N/A		Left Tilt	0	21100	2535	1	Low	-0.17	0.127	9.20	9.50	1.072	0.136	/
	Level2&3	N/A			0	21100	2535	50	Low	-0.19	0.133	9.21	9.50	1.069	0.142	/
	Level2&3	N/A		Right Cheek	0	21100	2535	1	Low	-0.04	0.138	9.20	9.50	1.072	0.148	/
	Level2&3	N/A			0	21100	2535	50	Low	0.13	0.142	9.21	9.50	1.069	0.152	/
	Level2&3	N/A		Right Tilt	0	21100	2535	1	Low	0.14	0.157	9.20	9.50	1.072	0.168	/
	Level2&3	N/A			0	21100	2535	50	Low	0.13	0.163	9.21	9.50	1.069	0.174	/
ANT5	Level1	N/A	ENDC DC_7A_ n5A	Left Cheek	0	21100	2535	1	High	-0.09	0.183	16.41	16.50	1.021	0.187	/
	Level1	N/A			0	20850	2510	50	Mid	-0.09	0.194	16.42	16.50	1.019	0.198	/
	Level1	N/A		Left Tilt	0	21100	2535	1	High	0.04	0.080	16.41	16.50	1.021	0.082	/
	Level1	N/A			0	20850	2510	50	Mid	0.17	0.085	16.42	16.50	1.019	0.086	/
	Level1	N/A		Right Cheek	0	21100	2535	1	High	0.05	0.492	16.41	16.50	1.021	0.502	/
	Level1	N/A			0	20850	2510	50	Mid	-0.13	0.518	16.42	16.50	1.019	0.528	/
	Level1	N/A		Right Tilt	0	21100	2535	1	High	-0.12	0.249	16.41	16.50	1.021	0.254	/
	Level1	N/A			0	20850	2510	50	Mid	0.09	0.258	16.42	16.50	1.019	0.263	/
ANT5	Level2&3	N/A	ENDC DC_7A_ n5A	Left Cheek	0	21350	2560	1	Mid	0.01	0.106	13.82	14.00	1.042	0.110	/
	Level2&3	N/A			0	21100	2535	50	Low	0.03	0.112	13.80	14.00	1.047	0.117	/
	Level2&3	N/A		Left Tilt	0	21350	2560	1	Mid	-0.11	0.046	13.82	14.00	1.042	0.048	/
	Level2&3	N/A			0	21100	2535	50	Low	0.10	0.048	13.80	14.00	1.047	0.050	/
	Level2&3	N/A		Right Cheek	0	21350	2560	1	Mid	0.05	0.276	13.82	14.00	1.042	0.288	/
	Level2&3	N/A			0	21100	2535	50	Low	-0.08	0.287	13.80	14.00	1.047	0.301	/
	Level2&3	N/A		Right Tilt	0	21350	2560	1	Mid	-0.11	0.141	13.82	14.00	1.042	0.147	/
	Level2&3	N/A			0	21100	2535	50	Low	0.14	0.149	13.80	14.00	1.047	0.156	/
ANT5	Level1	N/A	ENDC DC_7A_ n66A	Left Cheek	0	21350	2560	1	Low	-0.08	0.145	15.42	15.50	1.019	0.147	/
	Level1	N/A			0	21350	2560	1	Mid	-0.14	0.156	15.44	15.50	1.014	0.158	/
	Level1	N/A		Left Tilt	0	21350	2560	1	Low	-0.15	0.064	15.42	15.50	1.019	0.065	/
	Level1	N/A			0	21350	2560	1	Mid	-0.19	0.067	15.44	15.50	1.014	0.068	/
	Level1	N/A		Right Cheek	0	21350	2560	1	Low	0.05	0.505	15.42	15.50	1.019	0.515	/
	Level1	N/A			0	21350	2560	1	Mid	0.01	0.524	15.44	15.50	1.014	0.531	/
	Level1	N/A		Right Tilt	0	21350	2560	1	Low	0.02	0.202	15.42	15.50	1.019	0.206	/

	Level1	N/A			0	21350	2560	1	Mid	-0.09	0.211	15.44	15.50	1.014	0.214	/
ANT5	Level2&3	N/A	ENDC DC_7A_ n66A	Left Cheek	0	21350	2560	1	Mid	-0.03	0.049	10.23	10.50	1.064	0.052	/
	Level2&3	N/A			0	21350	2560	1	Mid	0.05	0.051	10.24	10.50	1.062	0.054	/
	Level2&3	N/A		Left Tilt	0	21350	2560	1	Mid	0.17	0.022	10.23	10.50	1.064	0.023	/
	Level2&3	N/A			0	21350	2560	1	Mid	-0.19	0.016	10.24	10.50	1.062	0.017	/
	Level2&3	N/A		Right Cheek	0	21350	2560	1	Mid	-0.10	0.017	10.23	10.50	1.064	0.018	/
	Level2&3	N/A			0	21350	2560	1	Mid	-0.16	0.018	10.24	10.50	1.062	0.019	/
	Level2&3	N/A		Right Tilt	0	21350	2560	1	Mid	-0.08	0.066	10.23	10.50	1.064	0.070	/
	Level2&3	N/A			0	21350	2560	1	Mid	-0.09	0.065	10.24	10.50	1.062	0.069	/
ANT7	Level1	N/A	ENDC DC_7A_ n66A	Left Cheek	0	20850	2510	1	Mid	0.00	0.397	15.51	16.00	1.119	0.445	/
	Level1	N/A			0	21100	2535	50	High	0.07	0.389	15.65	16.00	1.084	0.422	/
	Level1	N/A		Left Tilt	0	20850	2510	1	Mid	-0.17	0.371	15.51	16.00	1.119	0.415	/
	Level1	N/A			0	21100	2535	50	High	0.15	0.361	15.65	16.00	1.084	0.391	/
	Level1	N/A		Right Cheek	0	20850	2510	1	Mid	0.01	0.176	15.51	16.00	1.119	0.197	/
	Level1	N/A			0	21100	2535	50	High	-0.18	0.174	15.65	16.00	1.084	0.188	/
	Level1	N/A		Right Tilt	0	20850	2510	1	Mid	0.04	0.190	15.51	16.00	1.119	0.213	/
	Level1	N/A			0	21100	2535	50	High	0.02	0.187	15.65	16.00	1.084	0.203	/
ANT7	Level2&3	N/A	ENDC DC_7A_ n66A	Left Cheek	0	20850	2510	1	Low	-0.08	0.215	13.83	14.00	1.040	0.224	/
	Level2&3	N/A			0	21100	2535	50	Low	0.00	0.207	13.90	14.00	1.023	0.212	/
	Level2&3	N/A		Left Tilt	0	20850	2510	1	Low	0.06	0.185	13.83	14.00	1.040	0.192	/
	Level2&3	N/A			0	21100	2535	50	Low	-0.13	0.181	13.90	14.00	1.023	0.185	/
	Level2&3	N/A		Right Cheek	0	20850	2510	1	Low	-0.14	0.122	13.83	14.00	1.040	0.127	/
	Level2&3	N/A			0	21100	2535	50	Low	-0.19	0.113	13.90	14.00	1.023	0.116	/
	Level2&3	N/A		Right Tilt	0	20850	2510	1	Low	-0.19	0.134	13.83	14.00	1.040	0.140	/
	Level2&3	N/A			0	21100	2535	50	Low	0.02	0.130	13.90	14.00	1.023	0.133	/
Body-worn Accessory																
ANT3	Level4	ON2	ENDC	Front Side	15	21100	2535	1	Mid	0.05	0.081	16.61	17.50	1.227	0.099	/
	Level4	ON2			15	20850	2510	50	Mid	0.18	0.084	16.61	17.50	1.227	0.103	/
	Level4	ON2		Back Side	15	21100	2535	1	Mid	0.06	0.122	16.61	17.50	1.227	0.149	/
	Level4	ON2			15	20850	2510	50	Mid	-0.03	0.131	16.61	17.50	1.227	0.161	/
ANT5	Level4	/	ENDC DC_7A_ n5A	Front Side	15	20850	2510	1	Mid	0.07	0.157	20.66	21.00	1.081	0.170	/
	Level4	/			15	21100	2535	50	Low	-0.04	0.170	20.47	21.00	1.130	0.192	/
	Level4	/		Back Side	15	20850	2510	1	Mid	0.16	0.214	20.66	21.00	1.081	0.232	/
	Level4	/			15	21100	2535	50	Low	-0.05	0.231	20.47	21.00	1.130	0.261	61#
ANT5	Level4	/	ENDC DC_7A_ n66A	Front Side	15	21350	2560	1	Mid	-0.04	0.140	20.45	20.50	1.012	0.142	/
	Level4	/			15	21350	2560	50	Mid	-0.19	0.150	20.42	20.50	1.019	0.153	/
	Level4	/		Back Side	15	21350	2560	1	Mid	-0.01	0.192	20.45	20.50	1.012	0.194	/
	Level4	/			15	21350	2560	50	Mid	-0.12	0.204	20.42	20.50	1.019	0.208	/
ANT7	Level4	ON2	ENDC DC_7A_ n66A	Front Side	15	21100	2535	1	Low	-0.12	0.040	16.83	17.00	1.040	0.041	/
	Level4	ON2			15	21100	2535	50	Low	-0.19	0.035	16.88	17.00	1.028	0.036	/
	Level4	ON2		Back Side	15	21100	2535	1	Low	0.04	0.050	16.83	17.00	1.040	0.052	/
	Level4	ON2			15	21100	2535	50	Low	0.05	0.042	16.88	17.00	1.028	0.044	/
Hotspot																
ANT3	Level5&6	ON2	ENDC	Front Side	10	21100	2535	1	Mid	-0.01	0.121	15.58	16.00	1.102	0.134	/
	Level5&6	ON2			10	21350	2560	50	Mid	-0.17	0.099	15.52	16.00	1.117	0.111	/

	Level5&6	ON2		Back Side	10	21100	2535	1	Mid	0.14	0.183	15.58	16.00	1.102	0.202	/
	Level5&6	ON2			10	21350	2560	50	Mid	0.16	0.157	15.52	16.00	1.117	0.176	/
	Level5&6	/		Right Edge	10	21100	2535	1	Mid	-0.04	0.045	15.58	16.00	1.102	0.050	/
	Level5&6	/			10	21350	2560	50	Mid	-0.16	0.041	15.52	16.00	1.117	0.046	/
	Level5&6	ON2		Top Edge	10	21100	2535	1	Mid	-0.11	0.374	15.58	16.00	1.102	0.412	/
	Level5&6	ON2			10	21350	2560	50	Mid	0.01	0.292	15.52	16.00	1.117	0.326	/
ANT5	Level5&6	/	ENDC DC_7A_ n5A	Front Side	10	20850	2510	1	Mid	0.03	0.200	19.35	19.50	1.035	0.207	/
	Level5&6	/			10	20850	2510	50	High	-0.19	0.213	19.33	19.50	1.040	0.222	/
	Level5&6	/		Back Side	10	20850	2510	1	Mid	-0.05	0.293	19.35	19.50	1.035	0.304	/
	Level5&6	/			10	20850	2510	50	High	-0.13	0.314	19.33	19.50	1.040	0.326	/
	Level5&6	/		Right Edge	10	20850	2510	1	Mid	-0.05	0.404	19.35	19.50	1.035	0.418	/
	Level5&6	/			10	20850	2510	50	High	0.12	0.412	19.33	19.50	1.040	0.428	62#
	Level5&6	/		Top Edge	10	20850	2510	1	Mid	-0.01	0.077	19.35	19.50	1.035	0.080	/
	Level5&6	/			10	20850	2510	50	High	-0.04	0.086	19.33	19.50	1.040	0.089	/
ANT5	Level5&6	/	ENDC DC_7A_ n66A	Front Side	10	21350	2560	1	High	0.09	0.164	18.31	18.50	1.045	0.171	/
	Level5&6	/			10	20850	2510	50	High	0.10	0.175	18.47	18.50	1.007	0.176	/
	Level5&6	/		Back Side	10	21350	2560	1	High	-0.12	0.235	18.31	18.50	1.045	0.245	/
	Level5&6	/			10	20850	2510	50	High	-0.19	0.247	18.47	18.50	1.007	0.249	/
	Level5&6	/		Right Edge	10	21350	2560	1	High	0.08	0.343	18.31	18.50	1.045	0.358	/
	Level5&6	/			10	20850	2510	50	High	-0.07	0.321	18.47	18.50	1.007	0.323	/
	Level5&6	/		Top Edge	10	21350	2560	1	High	-0.06	0.062	18.31	18.50	1.045	0.064	/
	Level5&6	/			10	20850	2510	50	High	-0.10	0.069	18.47	18.50	1.007	0.069	/
ANT7	Level5&6	ON1	ENDC DC_7A_ n66A	Front Side	10	21100	2535	1	Low	0.06	0.051	14.82	15.00	1.042	0.053	/
	Level5&6	ON1			10	21100	2535	50	Low	0.14	0.058	14.89	15.00	1.026	0.059	/
	Level5&6	ON1		Back Side	10	21100	2535	1	Low	-0.08	0.053	14.82	15.00	1.042	0.056	/
	Level5&6	ON1			10	21100	2535	50	Low	0.15	0.059	14.89	15.00	1.026	0.061	/
	Level5&6	/		Left Edge	10	21100	2535	1	Low	-0.10	0.046	19.52	21.50	1.578	0.073	/
	Level5&6	/			10	21100	2535	50	Low	0.19	0.038	18.44	20.50	1.607	0.061	/
	Level5&6	ON1		Top Edge	10	21100	2535	1	Low	0.17	0.096	14.82	15.00	1.042	0.100	/
	Level5&6	ON1			10	21100	2535	50	Low	-0.18	0.103	14.89	15.00	1.026	0.106	/
P-sensor Off																
ANT7	/	OFF	ENDC DC_7A_ n66A	Front Side	16	21100	2535	1	Low	0.13	0.062	19.52	21.50	1.578	0.097	/
	/	OFF			16	21100	2535	50	Low	0.08	0.041	18.44	20.50	1.607	0.067	/
	/	OFF		Back Side	17	21100	2535	1	Low	0.00	0.073	19.52	21.50	1.578	0.115	/
	/	OFF			17	21100	2535	50	Low	-0.09	0.049	18.44	20.50	1.607	0.078	/
	/	OFF		Top Edge	21	21100	2535	1	Low	0.09	0.082	19.52	21.50	1.578	0.129	/
	/	OFF			21	21100	2535	50	Low	-0.06	0.066	18.44	20.50	1.607	0.106	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.24 WIFI 2.4GHZ

Antenna	Power Reduc tion	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.	
Head																	
ANT7 WIFI0	Level1	N/A	802.11 b	Left Cheek	0	2	2417	0.11	0.709	99.32	1.007	17.23	18.00	1.194	0.853	/	
	Level1	N/A			0	6	2437	-0.09	0.743	99.32	1.007	17.15	17.15	18.00	1.216	0.910	/
	Level1	N/A			0	10	2457	-0.09	0.643	99.32	1.007	17.11	17.11	18.00	1.227	0.795	/
	Level1	N/A		Left Tilt	0	2	2417	-0.15	0.594	99.32	1.007	17.23	18.00	1.194	0.714	/	
	Level1	N/A		Right Cheek	0	2	2417	-0.02	0.337	99.32	1.007	17.23	18.00	1.194	0.405	/	
	Level1	N/A		Right Tilt	0	2	2417	0.04	0.452	99.32	1.007	17.23	18.00	1.194	0.543	/	
ANT7 WIFI0	Level2	N/A	802.11 b	Left Cheek	0	10	2457	-0.19	0.337	99.32	1.007	13.76	14.50	1.186	0.402	/	
	Level2	N/A		Left Tilt	0	10	2457	0.18	0.296	99.32	1.007	13.76	14.50	1.186	0.353	/	
	Level2	N/A		Right Cheek	0	10	2457	0.13	0.176	99.32	1.007	13.76	14.50	1.186	0.210	/	
	Level2	N/A		Right Tilt	0	10	2457	0.08	0.203	99.32	1.007	13.76	14.50	1.186	0.242	/	
ANT7 WIFI0	Level3	N/A	802.11 b	Left Cheek	0	10	2457	0.01	0.190	99.32	1.007	10.89	11.50	1.151	0.220	/	
	Level3	N/A		Left Tilt	0	10	2457	0.03	0.155	99.32	1.007	10.89	11.50	1.151	0.180	/	
	Level3	N/A		Right Cheek	0	10	2457	-0.01	0.088	99.32	1.007	10.89	11.50	1.151	0.102	/	
	Level3	N/A		Right Tilt	0	10	2457	0.04	0.108	99.32	1.007	10.89	11.50	1.151	0.126	/	
ANT2 WIFI1	Level1	N/A	802.11 b	Left Cheek	0	10	2457	0.11	0.466	99.32	1.007	17.24	18.00	1.191	0.559	/	
	Level1	N/A		Left Tilt	0	10	2457	-0.12	0.047	99.32	1.007	17.24	18.00	1.191	0.056	/	
	Level1	N/A		Right Cheek	0	10	2457	0.15	0.884	99.32	1.007	17.24	18.00	1.191	1.060	/	
					0	2	2417	0.06	0.608	99.32	1.007	17.00	18.00	1.259	0.771	/	
	Level1	N/A		0	6	2437	-0.05	0.751	99.32	1.007	16.75	18.00	1.334	1.008	/		
	Level1	N/A		Right Tilt	0	10	2457	-0.03	0.042	99.32	1.007	17.24	18.00	1.191	0.050	/	
ANT2 WIFI1	Level2	N/A	802.11 b	Left Cheek	0	6	2437	-0.05	0.239	99.32	1.007	13.67	14.50	1.211	0.291	/	
	Level2	N/A		Left Tilt	0	6	2437	-0.19	0.027	99.32	1.007	13.67	14.50	1.211	0.033	/	
	Level2	N/A		Right Cheek	0	6	2437	-0.11	0.308	99.32	1.007	13.67	14.50	1.211	0.375	/	
	Level2	N/A		Right Tilt	0	6	2437	-0.04	0.020	99.32	1.007	13.67	14.50	1.211	0.024	/	
ANT2&7	Level1	N/A	802.11 b	Left Cheek	0	2	2417	-0.07	0.725	99.32	1.007	20.15	21.00	1.216	0.887	/	
	Level1	N/A			0	6	2437	-0.02	0.828	99.32	1.007	19.89	21.00	1.291	1.076	/	
	Level1	N/A			0	10	2457	-0.03	0.690	99.32	1.007	19.94	21.00	1.276	0.887	/	
	Level1	N/A		Left Tilt	0	2	2417	-0.16	0.492	99.32	1.007	20.15	21.00	1.216	0.602	/	
	Level1	N/A		Right Cheek	0	2	2417	-0.16	0.874	99.32	1.007	20.15	21.00	1.216	1.070	/	
					0	6	2437	-0.03	0.768	99.32	1.007	19.89	21.00	1.291	0.998	/	
					0	10	2457	0.11	0.957	99.32	1.007	20.10	21.00	1.230	1.185	63#	
	Level1	N/A		Right Tilt	0	6	2437	0.10	0.410	99.32	1.007	20.15	21.00	1.216	0.502	/	
ANT2&7	Level2	N/A	802.11 b	Left Cheek	0	6	2437	-0.06	0.353	99.32	1.007	16.57	17.50	1.239	0.440	/	
	Level2	N/A		Left Tilt	0	6	2437	-0.06	0.248	99.32	1.007	16.57	17.50	1.239	0.309	/	
	Level2	N/A		Right Cheek	0	6	2437	0.12	0.395	99.32	1.007	16.57	17.50	1.239	0.493	/	
	Level2	N/A		Right Tilt	0	6	2437	-0.01	0.194	99.32	1.007	16.57	17.50	1.239	0.242	/	
Body-worn Accessory																	
ANT7 WIFI0	Level4	ON1	802.11 b	Front Side	15	10	2457	0.16	0.083	99.32	1.007	17.99	19.00	1.262	0.105	/	
	Level4	ON1		Back Side	15	10	2457	-0.18	0.106	99.32	1.007	17.99	19.00	1.262	0.135	/	

ANT2 WIFI1	Level4	/	802.11 b	Front Side	15	6	2437	0.13	0.086	99.32	1.007	18.61	19.00	1.094	0.094	/
	Level4	/		Back Side	15	6	2437	-0.19	0.100	99.32	1.007	18.61	19.00	1.094	0.110	/
ANT2&7	Level4	ON1	802.11 b	Front Side	15	2	2417	-0.11	0.134	99.32	1.007	21.01	22.00	1.257	0.170	64#
	Level4	ON1		Back Side	15	2	2417	-0.09	0.124	99.32	1.007	21.01	22.00	1.257	0.157	/
Hotspot																
ANT7 WIFI0	Level4	ON1	802.11 b	Front Side	10	10	2457	0.19	0.154	99.32	1.007	17.99	19.00	1.262	0.196	/
	Level4	ON1		Back Side	10	10	2457	0.18	0.170	99.32	1.007	17.99	19.00	1.262	0.216	/
	Level4	ON1		Left Edge	10	10	2457	-0.12	0.036	99.32	1.007	17.99	19.00	1.262	0.046	/
	Level4	/		Right Edge	10	10	2457	-0.13	0.014	99.32	1.007	17.99	19.00	1.262	0.018	/
	Level4	ON1		Top Edge	10	10	2457	-0.11	0.316	99.32	1.007	17.99	19.00	1.262	0.401	/
	Level4	/		Bottom Edge	10	10	2457	-0.13	0.011	99.32	1.007	17.99	19.00	1.262	0.014	/
ANT2 WIFI1	Level4	/	802.11 b	Front Side	10	6	2437	-0.18	0.140	99.32	1.007	18.61	19.00	1.094	0.154	/
	Level4	/		Back Side	10	6	2437	-0.02	0.194	99.32	1.007	18.61	19.00	1.094	0.214	/
	Level4	/		Left Edge	10	6	2437	0.04	0.304	99.32	1.007	18.61	19.00	1.094	0.335	/
	Level4	/		Right Edge	10	6	2437	0.08	0.015	99.32	1.007	18.61	19.00	1.094	0.017	/
	Level4	/		Top Edge	10	6	2437	-0.09	0.025	99.32	1.007	18.61	19.00	1.094	0.028	/
	Level4	/		Bottom Edge	10	6	2437	-0.02	0.013	99.32	1.007	18.61	19.00	1.094	0.014	/
ANT2&7	Level4	/	802.11 b	Front Side	10	2	2417	-0.08	0.197	99.32	1.007	21.01	22.00	1.257	0.249	/
	Level4	/		Back Side	10	2	2417	0.07	0.216	99.32	1.007	21.01	22.00	1.257	0.273	/
	Level4	/		Left Edge	10	2	2417	0.02	0.547	99.32	1.007	21.01	22.00	1.257	0.692	65#
	Level4	/		Right Edge	10	2	2417	-0.13	0.014	99.32	1.007	21.01	22.00	1.257	0.018	/
	Level4	/		Top Edge	10	2	2417	-0.06	0.316	99.32	1.007	21.01	22.00	1.257	0.400	/
	Level4	/		Bottom Edge	10	2	2417	-0.09	0.011	99.32	1.007	21.01	22.00	1.257	0.014	/
ANT7 WIFI0	Level5	ON1	802.11 b	Front Side	10	2	2417	-0.17	0.074	99.32	1.007	21.01	22.00	1.257	0.094	/
	Level5	ON1		Back Side	10	2	2417	0.04	0.083	99.32	1.007	14.52	15.00	1.117	0.093	/
	Level5	ON1		Left Edge	10	2	2417	-0.01	0.015	99.32	1.007	14.52	15.00	1.117	0.017	/
	Level5	/		Right Edge	10	2	2417	-0.01	0.006	99.32	1.007	14.52	15.00	1.117	0.007	/
	Level5	ON1		Top Edge	10	2	2417	0.17	0.137	99.32	1.007	14.52	15.00	1.117	0.154	/
	Level5	/		Bottom Edge	10	2	2417	-0.02	0.005	99.32	1.007	14.52	15.00	1.117	0.006	/
ANT2 WIFI1	Level5	/	802.11 b	Front Side	10	2	2417	-0.09	0.099	99.32	1.007	14.13	15.00	1.222	0.121	/
	Level5	/		Back Side	10	2	2417	0.04	0.117	99.32	1.007	14.13	15.00	1.222	0.144	/
	Level5	/		Left Edge	10	2	2417	0.06	0.144	99.32	1.007	14.13	15.00	1.222	0.177	/
	Level5	/		Right Edge	10	2	2417	0.10	0.006	99.32	1.007	14.13	15.00	1.222	0.007	/
	Level5	/		Top Edge	10	2	2417	-0.09	0.011	99.32	1.007	14.13	15.00	1.222	0.014	/
	Level5	/		Bottom Edge	10	2	2417	-0.09	0.005	99.32	1.007	14.13	15.00	1.222	0.006	/
ANT2&7	Level5	/	802.11 b	Front Side	10	10	2457	0.03	0.111	99.32	1.007	17.03	18.00	1.251	0.140	/
	Level5	/		Back Side	10	10	2457	-0.07	0.126	99.32	1.007	17.03	18.00	1.251	0.158	/
	Level5	/		Left Edge	10	10	2457	0.12	0.150	99.32	1.007	17.03	18.00	1.251	0.189	/
	Level5	/		Right Edge	10	10	2457	0.08	0.005	99.32	1.007	17.03	18.00	1.251	0.006	/
	Level5	/		Top Edge	10	10	2457	0.05	0.159	99.32	1.007	17.03	18.00	1.251	0.200	/
	Level5	/		Bottom Edge	10	10	2457	0.19	0.012	99.32	1.007	17.03	18.00	1.251	0.015	/
ANT7 WIFI0	Level6	ON1	802.11 b	Front Side	10	10	2457	-0.14	0.035	99.32	1.007	11.42	12.00	1.143	0.040	/
	Level6	ON1		Back Side	10	10	2457	0.01	0.044	99.32	1.007	11.42	12.00	1.143	0.051	/
	Level6	ON1		Left Edge	10	10	2457	0.06	0.011	99.32	1.007	11.42	12.00	1.143	0.013	/
	Level6	/		Right Edge	10	10	2457	0.16	0.005	99.32	1.007	11.42	12.00	1.143	0.006	/

	Level6	ON1		Top Edge	10	10	2457	-0.14	0.081	99.32	1.007	11.42	12.00	1.143	0.094	/	
	Level6	/		Bottom Edge	10	10	2457	-0.18	0.005	99.32	1.007	11.42	12.00	1.143	0.006	/	
P-sensor Off																	
ANT7 WIFI0	/	OFF	802.11 b	Front Side	16	10	2457	0.06	0.089	99.32	1.007	17.99	19.00	1.262	0.113	/	
	/	OFF		Back Side	17	10	2457	-0.04	0.094	99.32	1.007	17.99	19.00	1.262	0.119	/	
	/	OFF		Left Edge	22	10	2457	-0.12	0.012	99.32	1.007	17.99	19.00	1.262	0.015	/	
	/	OFF		Top Edge	21	10	2457	0.19	0.113	99.32	1.007	17.99	19.00	1.262	0.144	/	
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.25 WIFI 5GHz

Fre. Band	Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
5.3G	ANT8 WIFI1	Level1	N/A	802.11n40	Left Cheek	0	62	5310	0.18	0.592	93.52	1.069	13.01	14.00	1.256	0.795	/
		Level1	N/A		Left Tilt	0	62	5310	-0.08	0.686	93.52	1.069	13.01	14.00	1.256	0.921	/
		Level1	N/A			0	54	5270	-0.13	0.642	93.52	1.069	12.95	14.00	1.274	0.874	/
		Level1	N/A		Right Cheek	0	62	5310	0.08	0.363	93.52	1.069	13.01	14.00	1.256	0.488	/
		Level1	N/A		Right Tilt	0	62	5310	-0.16	0.437	93.52	1.069	13.01	14.00	1.256	0.587	/
5.3G	ANT8 WIFI1	Level2	N/A	802.11n40	Left Cheek	0	62	5310	0.04	0.179	93.52	1.069	9.39	10.50	1.291	0.247	/
		Level2	N/A		Left Tilt	0	62	5310	-0.07	0.192	93.52	1.069	9.39	10.50	1.291	0.265	/
		Level2	N/A			Right Cheek	0	62	5310	0.11	0.098	93.52	1.069	9.39	10.50	1.291	0.135
		Level2	N/A		Right Tilt	0	62	5310	-0.17	0.128	93.52	1.069	9.39	10.50	1.291	0.176	/
5.3G	ANT2 WIFI0	Level1	N/A	802.11n40	Left Cheek	0	62	5310	-0.04	0.265	93.52	1.069	13.14	14.00	1.219	0.345	/
		Level1	N/A		Left Tilt	0	62	5310	0.11	0.091	93.52	1.069	13.14	14.00	1.219	0.119	/
		Level1	N/A			Right Cheek	0	62	5310	-0.06	0.078	93.52	1.069	13.14	14.00	1.219	0.102
		Level1	N/A		Right Tilt	0	62	5310	0.15	0.026	93.52	1.069	13.14	14.00	1.219	0.034	/
5.3G	ANT2 WIFI0	Level2&3	N/A	802.11n40	Left Cheek	0	62	5310	0.12	0.098	93.52	1.069	9.15	10.50	1.365	0.143	/
		Level2&3	N/A		Left Tilt	0	62	5310	-0.05	0.012	93.52	1.069	9.15	10.50	1.365	0.018	/
		Level2&3	N/A			Right Cheek	0	62	5310	0.16	0.027	93.52	1.069	9.15	10.50	1.365	0.039
		Level2&3	N/A		Right Tilt	0	62	5310	0.18	0.014	93.52	1.069	9.15	10.50	1.365	0.020	/
5.3G	ANT2&8	Level1	N/A	802.11n40	Left Cheek	0	62	5310	0.09	0.591	93.52	1.069	16.04	17.00	1.246	0.788	/
		Level1	N/A		Left Tilt	0	62	5310	0.09	0.772	93.52	1.069	16.04	17.00	1.246	1.029	66#
		Level1	N/A			0	54	5270	-0.08	0.751	93.52	1.069	16.02	17.00	1.253	1.006	/
		Level1	N/A		Right Cheek	0	62	5310	0.18	0.470	93.52	1.069	16.04	17.00	1.246	0.626	/
		Level1	N/A		Right Tilt	0	62	5310	-0.04	0.541	93.52	1.069	16.04	17.00	1.246	0.721	/
5.3G	ANT2&8	Level2	N/A	802.11n40	Left Cheek	0	62	5310	0.10	0.228	93.52	1.069	12.56	13.50	1.242	0.303	/
		Level2	N/A		Left Tilt	0	62	5310	0.05	0.284	93.52	1.069	12.56	13.50	1.242	0.377	/
		Level2	N/A			Right Cheek	0	62	5310	-0.12	0.170	93.52	1.069	12.56	13.50	1.242	0.225
		Level2	N/A		Right Tilt	0	62	5310	0.09	0.191	93.52	1.069	12.56	13.50	1.242	0.253	/
5.6G	ANT8 WIFI1	Level1	N/A	802.11n40	Left Cheek	0	118	5590	-0.19	0.408	93.52	1.069	13.18	14.00	1.208	0.527	/
		Level1	N/A		Left Tilt	0	118	5590	-0.06	0.497	93.52	1.069	13.18	14.00	1.208	0.642	/
		Level1	N/A			Right Cheek	0	118	5590	0.04	0.293	93.52	1.069	13.18	14.00	1.208	0.378

		Level1	N/A		Right Tilt	0	118	5590	-0.01	0.332	93.52	1.069	13.18	14.00	1.208	0.429	/
5.6G	ANT8 WIFI1	Level2	N/A	802.11n40	Left Cheek	0	126	5630	0.02	0.189	93.52	1.069	8.97	10.50	1.422	0.287	/
		Level2	N/A		Left Tilt	0	126	5630	0.07	0.229	93.52	1.069	8.97	10.50	1.422	0.349	/
		Level2	N/A		Right Cheek	0	126	5630	0.05	0.144	93.52	1.069	8.97	10.50	1.422	0.219	/
		Level2	N/A		Right Tilt	0	126	5630	0.15	0.157	93.52	1.069	8.97	10.50	1.422	0.238	/
5.6G	ANT2 WIFI0	Level1	N/A	802.11n40	Left Cheek	0	126	5630	0.11	0.274	93.52	1.069	13.11	14.00	1.227	0.360	/
		Level1	N/A		Left Tilt	0	126	5630	0.00	0.100	93.52	1.069	13.11	14.00	1.227	0.131	/
		Level1	N/A		Right Cheek	0	126	5630	-0.06	0.042	93.52	1.069	13.11	14.00	1.227	0.055	/
		Level1	N/A		Right Tilt	0	126	5630	0.15	0.078	93.52	1.069	13.11	14.00	1.227	0.102	/
5.6G	ANT2 WIFI0	Level2&3	N/A	802.11n40	Left Cheek	0	126	5630	-0.03	0.137	93.52	1.069	9.61	10.50	1.227	0.180	/
		Level2&3	N/A		Left Tilt	0	126	5630	0.01	0.059	93.52	1.069	9.61	10.50	1.227	0.077	/
		Level2&3	N/A		Right Cheek	0	126	5630	0.11	0.028	93.52	1.069	9.61	10.50	1.227	0.037	/
		Level2&3	N/A		Right Tilt	0	126	5630	-0.13	0.039	93.52	1.069	9.61	10.50	1.227	0.051	/
5.6G	ANT2&8	Level1	N/A	802.11n40	Left Cheek	0	110	5550	-0.10	0.462	93.52	1.069	16.07	17.00	1.240	0.613	/
		Level1	N/A		Left Tilt	0	110	5550	0.03	0.585	93.52	1.069	16.07	17.00	1.240	0.776	67#
		Level1	N/A		Right Cheek	0	110	5550	0.05	0.354	93.52	1.069	16.07	17.00	1.240	0.469	/
		Level1	N/A		Right Tilt	0	110	5550	0.11	0.403	93.52	1.069	16.07	17.00	1.240	0.534	/
5.6G	ANT2&8	Level2	N/A	802.11n40	Left Cheek	0	110	5550	-0.09	0.187	93.52	1.069	12.72	13.50	1.197	0.239	/
		Level2	N/A		Left Tilt	0	110	5550	0.02	0.269	93.52	1.069	12.72	13.50	1.197	0.344	/
		Level2	N/A		Right Cheek	0	110	5550	0.13	0.133	93.52	1.069	12.72	13.50	1.197	0.170	/
		Level2	N/A		Right Tilt	0	110	5550	-0.01	0.146	93.52	1.069	12.72	13.50	1.197	0.187	/
5.8G	ANT8 WIFI1	Level1	N/A	802.11n40	Left Cheek	0	151	5755	-0.18	0.435	93.52	1.069	13.05	14.00	1.245	0.579	/
		Level1	N/A		Left Tilt	0	151	5755	0.14	0.591	93.52	1.069	13.05	14.00	1.245	0.786	/
		Level1	N/A		Right Cheek	0	151	5755	-0.13	0.343	93.52	1.069	13.05	14.00	1.245	0.456	/
		Level1	N/A		Right Tilt	0	151	5755	0.08	0.390	93.52	1.069	13.05	14.00	1.245	0.519	/
5.8G	ANT8 WIFI1	Level2	N/A	802.11n40	Left Cheek	0	151	5755	-0.01	0.217	93.52	1.069	9.47	10.50	1.268	0.294	/
		Level2	N/A		Left Tilt	0	151	5755	0.02	0.260	93.52	1.069	9.47	10.50	1.268	0.352	/
		Level2	N/A		Right Cheek	0	151	5755	-0.03	0.166	93.52	1.069	9.47	10.50	1.268	0.225	/
		Level2	N/A		Right Tilt	0	151	5755	0.15	0.190	93.52	1.069	9.47	10.50	1.268	0.257	/
5.8G	ANT2 WIFI0	Level1	N/A	802.11n40	Left Cheek	0	151	5755	0.12	0.189	93.52	1.069	13.02	14.00	1.253	0.253	/
		Level1	N/A		Left Tilt	0	151	5755	-0.19	0.062	93.52	1.069	13.02	14.00	1.253	0.083	/
		Level1	N/A		Right Cheek	0	151	5755	-0.14	0.068	93.52	1.069	13.02	14.00	1.253	0.091	/
		Level1	N/A		Right Tilt	0	151	5755	0.04	0.029	93.52	1.069	13.02	14.00	1.253	0.039	/
5.8G	ANT2 WIFI0	Level2&3	N/A	802.11n40	Left Cheek	0	159	5795	-0.14	0.084	93.52	1.069	9.48	10.50	1.265	0.114	/
		Level2&3	N/A		Left Tilt	0	159	5795	-0.15	0.027	93.52	1.069	9.48	10.50	1.265	0.037	/
		Level2&3	N/A		Right Cheek	0	159	5795	-0.15	0.030	93.52	1.069	9.48	10.50	1.265	0.041	/
		Level2&3	N/A		Right Tilt	0	159	5795	0.08	0.016	93.52	1.069	9.48	10.50	1.265	0.022	/
5.8G	ANT2&8	Level1	N/A	802.11n40	Left Cheek	0	151	5755	0.05	0.489	93.52	1.069	16.09	17.00	1.234	0.645	/
		Level1	N/A		Left Tilt	0	151	5755	0.14	0.627	93.52	1.069	16.09	17.00	1.234	0.828	/
		Level1	N/A			0	159	5795	0.04	0.664	93.52	1.069	15.93	17.00	1.280	0.909	68#
		Level1	N/A		Right Cheek	0	151	5755	-0.19	0.364	93.52	1.069	16.09	17.00	1.234	0.480	/
		Level1	N/A		Right Tilt	0	151	5755	-0.15	0.432	93.52	1.069	16.09	17.00	1.234	0.570	/
5.8G	ANT2&8	Level2	N/A	802.11n40	Left Cheek	0	151	5755	0.07	0.168	93.52	1.069	12.62	13.50	1.224	0.220	/
		Level2	N/A		Left Tilt	0	151	5755	0.09	0.282	93.52	1.069	12.62	13.50	1.224	0.369	/
		Level2	N/A		Right Cheek	0	151	5755	0.12	0.128	93.52	1.069	12.62	13.50	1.224	0.168	/

		Level2	N/A		Right Tilt	0	151	5755	-0.13	0.150	93.52	1.069	12.62	13.50	1.224	0.196	/	
Body-worn Accessory																		
5.3G	ANT8 WIFI1	Level4	ON1	802.11n40	Front Side	15	54	5270	0.18	0.075	93.52	1.069	16.79	18.00	1.321	0.106	/	
		Level4	ON1		Back Side	15	54	5270	0.13	0.083	93.52	1.069	16.79	18.00	1.321	0.117	/	
5.3G	ANT2 WIFI0	Level4	/	802.11n40	Front Side	15	54	5270	-0.01	0.046	93.52	1.069	18.01	19.50	1.409	0.069	/	
		Level4	/		Back Side	15	54	5270	0.00	0.077	93.52	1.069	18.01	19.50	1.409	0.116	/	
5.3G	ANT2&8	Level4	/	802.11n40	Front Side	15	54	5270	0.16	0.068	93.52	1.069	20.08	21.00	1.236	0.090	/	
		Level4	/		Back Side	15	54	5270	-0.02	0.109	93.52	1.069	20.08	21.00	1.236	0.144	69#	
5.6G	ANT8 WIFI1	Level4	ON1	802.11n40	Front Side	15	126	5630	0.15	0.050	93.52	1.069	17.22	18.00	1.197	0.064	/	
		Level4	ON1		Back Side	15	126	5630	0.11	0.062	93.52	1.069	17.22	18.00	1.197	0.079	/	
5.6G	ANT2 WIFI0	Level4	/	802.11n40	Front Side	15	110	5550	0.10	0.041	93.52	1.069	17.98	19.50	1.419	0.062	/	
		Level4	/		Back Side	15	110	5550	0.02	0.070	93.52	1.069	17.98	19.50	1.419	0.106	/	
5.6G	ANT2&8	Level4	/	802.11n40	Front Side	15	110	5550	-0.03	0.076	93.52	1.069	20.18	21.00	1.209	0.098	/	
		Level4	/		Back Side	15	110	5550	0.13	0.089	93.52	1.069	20.18	21.00	1.209	0.115	70#	
5.8G	ANT8 WIFI1	Level4	ON1	802.11n40	Front Side	15	159	5795	0.05	0.065	93.52	1.069	16.98	18.00	1.265	0.088	/	
		Level4	ON1		Back Side	15	159	5795	-0.05	0.102	93.52	1.069	16.98	18.00	1.265	0.138	/	
5.8G	ANT2 WIFI0	Level4	/	802.11n40	Front Side	15	159	5795	-0.15	0.040	93.52	1.069	18.03	19.50	1.403	0.060	/	
		Level4	/		Back Side	15	159	5795	-0.06	0.065	93.52	1.069	18.03	19.50	1.403	0.098	/	
5.8G	ANT2&8	Level4	/	802.11n40	Front Side	15	159	5795	-0.08	0.106	93.52	1.069	20.11	21.00	1.228	0.139	/	
		Level4	/		Back Side	15	159	5795	0.08	0.122	93.52	1.069	20.11	21.00	1.228	0.160	71#	
Hotspot																		
5.2G	ANT8 WIFI1	Level4	ON1	802.11n40	Front Side	10	46	5230	-0.18	0.139	93.52	1.069	17.12	18.00	1.225	0.182	/	
		Level4	ON1		Back Side	10	46	5230	-0.06	0.167	93.52	1.069	17.12	18.00	1.225	0.219	/	
		Level4	ON1		Left Edge	10	46	5230	0.01	0.075	93.52	1.069	17.12	18.00	1.225	0.098	/	
		Level4	/		Right Edge	10	46	5230	-0.04	0.036	93.52	1.069	18.66	19.50	1.213	0.047	/	
		Level4	ON1		Top Edge	10	46	5230	-0.16	0.391	93.52	1.069	17.12	18.00	1.225	0.512	/	
		Level4	/		Bottom Edge	10	46	5230	-0.19	0.022	93.52	1.069	18.66	19.50	1.213	0.029	/	
5.2G	ANT2 WIFI0	Level4	/	802.11n40	Front Side	10	46	5230	-0.04	0.136	93.52	1.069	18.11	19.50	1.377	0.200	/	
		Level4	/		Back Side	10	46	5230	-0.05	0.191	93.52	1.069	18.11	19.50	1.377	0.281	/	
		Level4	/		Left Edge	10	46	5230	0.03	0.546	93.52	1.069	18.11	19.50	1.377	0.804	72#	
		Level4	/			10	38	5190	0.05	0.154	93.52	1.069	11.84	13.50	1.466	0.241	/	
		Level4	/		Right Edge	10	46	5230	-0.04	0.019	93.52	1.069	18.11	19.50	1.377	0.028	/	
		Level4	/		Top Edge	10	46	5230	0.08	0.020	93.52	1.069	18.11	19.50	1.377	0.029	/	
		Level4	/		Bottom Edge	10	46	5230	0.18	0.011	93.52	1.069	18.11	19.50	1.377	0.016	/	
5.2G	ANT2&8	Level4	/	802.11n40	Front Side	10	46	5230	0.14	0.200	93.52	1.069	20.07	21.00	1.240	0.265	/	
		Level4	/		Back Side	10	46	5230	0.19	0.203	93.52	1.069	20.07	21.00	1.240	0.269	/	
		Level4	/		Left Edge	10	46	5230	-0.16	0.484	93.52	1.069	20.07	21.00	1.240	0.642	/	
		Level4	/			10	46	5230	0.03	0.074	93.52	1.069	21.32	22.50	1.312	0.104	/	
		Level4	/		Top Edge	10	46	5230	0.06	0.473	93.52	1.069	20.07	21.00	1.240	0.627	/	
		Level4	/		Bottom Edge	10	46	5230	-0.19	0.052	93.52	1.069	21.32	22.50	1.312	0.073	/	
5.2G	ANT8 WIFI1	Level5	ON1	802.11n40	Front Side	10	46	5230	0.01	0.045	93.52	1.069	12.99	14.00	1.262	0.061	/	
		Level5	ON1		Back Side	10	46	5230	0.13	0.053	93.52	1.069	12.99	14.00	1.262	0.072	/	
		Level5	ON1		Left Edge	10	46	5230	0.06	0.032	93.52	1.069	12.99	14.00	1.262	0.043	/	
		Level5	/		Right Edge	10	46	5230	0.09	0.012	93.52	1.069	12.99	14.00	1.262	0.016	/	
		Level5	ON1		Top Edge	10	46	5230	0.01	0.118	93.52	1.069	12.99	14.00	1.262	0.160	/	

		Level5	/		Bottom Edge	10	46	5230	0.13	0.009	93.52	1.069	12.99	14.00	1.262	0.012	/
5.2G	ANT2 WIFI0	Level5	/	802.11n40	Front Side	10	46	5230	0.06	0.025	93.52	1.069	13.23	14.00	1.194	0.032	/
		Level5	/		Back Side	10	46	5230	0.09	0.039	93.52	1.069	13.23	14.00	1.194	0.050	/
		Level5	/		Left Edge	10	46	5230	0.01	0.086	93.52	1.069	13.23	14.00	1.194	0.110	/
		Level5	/		Right Edge	10	46	5230	0.13	0.006	93.52	1.069	13.23	14.00	1.194	0.008	/
		Level5	/		Top Edge	10	46	5230	0.06	0.011	93.52	1.069	13.23	14.00	1.194	0.014	/
		Level5	/		Bottom Edge	10	46	5230	0.09	0.005	93.52	1.069	13.23	14.00	1.194	0.006	/
5.2G	ANT2&8	Level5	/	802.11n40	Front Side	10	46	5230	0.01	0.055	93.52	1.069	16.05	17.00	1.244	0.073	/
		Level5	/		Back Side	10	46	5230	0.13	0.062	93.52	1.069	16.05	17.00	1.244	0.082	/
		Level5	/		Left Edge	10	46	5230	0.06	0.108	93.52	1.069	16.05	17.00	1.244	0.143	/
		Level5	/		Right Edge	10	46	5230	0.09	0.009	93.52	1.069	16.05	17.00	1.244	0.012	/
		Level5	/		Top Edge	10	46	5230	0.17	0.137	93.52	1.069	16.05	17.00	1.244	0.182	/
		Level5	/		Bottom Edge	10	46	5230	0.01	0.004	93.52	1.069	16.05	17.00	1.244	0.005	/
5.8G	ANT8 WIFI1	Level4	ON1	802.11n40	Front Side	10	159	5795	-0.18	0.142	93.52	1.069	16.98	18.00	1.265	0.192	/
		Level4	ON1		Back Side	10	159	5795	0.17	0.289	93.52	1.069	16.98	18.00	1.265	0.391	/
		Level4	ON1		Left Edge	10	159	5795	-0.07	0.091	93.52	1.069	16.98	18.00	1.265	0.123	/
		Level4	/		Right Edge	10	159	5795	-0.07	0.052	93.52	1.069	18.25	19.50	1.334	0.074	/
		Level4	ON1		Top Edge	10	159	5795	0.11	0.522	93.52	1.069	16.98	18.00	1.265	0.706	/
		Level4	/		Bottom Edge	10	159	5795	0.05	0.000	93.52	1.069	18.25	19.50	1.334	0.000	/
5.8G	ANT2 WIFI0	Level4	/	802.11n40	Front Side	10	159	5795	-0.01	0.139	93.52	1.069	18.03	19.50	1.403	0.209	/
		Level4	/		Back Side	10	159	5795	-0.10	0.239	93.52	1.069	18.03	19.50	1.403	0.359	/
		Level4	/		Left Edge	10	159	5795	0.18	0.474	93.52	1.069	18.03	19.50	1.403	0.711	/
		Level4	/		Right Edge	10	159	5795	0.00	0.000	93.52	1.069	18.03	19.50	1.403	0.000	/
		Level4	/		Top Edge	10	159	5795	0.13	0.101	93.52	1.069	18.03	19.50	1.403	0.152	/
		Level4	/		Bottom Edge	10	159	5795	-0.17	0.000	93.52	1.069	18.03	19.50	1.403	0.000	/
5.8G	ANT2&8	Level4	/	802.11n40	Front Side	10	159	5795	-0.03	0.183	93.52	1.069	20.11	21.00	1.228	0.240	/
		Level4	/		Back Side	10	159	5795	0.12	0.349	93.52	1.069	20.11	21.00	1.228	0.458	/
		Level4	/		Left Edge	10	159	5795	-0.10	0.388	93.52	1.069	20.11	21.00	1.228	0.510	/
		Level4	/		Right Edge	10	159	5795	-0.18	0.061	93.52	1.069	21.46	22.50	1.270	0.083	/
		Level4	/		Top Edge	10	159	5795	0.03	0.587	93.52	1.069	20.11	21.00	1.228	0.771	73#
		Level4	/		Bottom Edge	10	159	5795	-0.18	0.000	93.52	1.069	21.46	22.50	1.270	0.000	/
5.8G	ANT8 WIFI1	Level5	ON1	802.11n40	Front Side	10	151	5755	0.09	0.048	93.52	1.069	13.05	14.00	1.245	0.063	/
		Level5	ON1		Back Side	10	151	5755	0.01	0.072	93.52	1.069	13.05	14.00	1.245	0.096	/
		Level5	ON1		Left Edge	10	151	5755	0.13	0.027	93.52	1.069	13.05	14.00	1.245	0.036	/
		Level5	/		Right Edge	10	151	5755	0.06	0.026	93.52	1.069	13.05	14.00	1.245	0.035	/
		Level5	ON1		Top Edge	10	151	5755	0.09	0.159	93.52	1.069	13.05	14.00	1.245	0.212	/
		Level5	/		Bottom Edge	10	151	5755	0.01	0.019	93.52	1.069	13.05	14.00	1.245	0.026	/
5.8G	ANT2 WIFI0	Level5	/	802.11n40	Front Side	10	151	5755	0.13	0.034	93.52	1.069	13.02	14.00	1.253	0.046	/
		Level5	/		Back Side	10	151	5755	0.06	0.071	93.52	1.069	13.02	14.00	1.253	0.096	/
		Level5	/		Left Edge	10	151	5755	0.09	0.145	93.52	1.069	13.02	14.00	1.253	0.195	/
		Level5	/		Right Edge	10	151	5755	0.01	0.004	93.52	1.069	13.02	14.00	1.253	0.005	/
		Level5	/		Top Edge	10	151	5755	0.13	0.021	93.52	1.069	13.02	14.00	1.253	0.028	/
		Level5	/		Bottom Edge	10	151	5755	0.06	0.006	93.52	1.069	13.02	14.00	1.253	0.008	/
5.8G	ANT2&8	Level5	/	802.11n40	Front Side	10	159	5795	0.01	0.067	93.52	1.069	16.15	17.00	1.216	0.087	/
		Level5	/		Back Side	10	159	5795	0.13	0.086	93.52	1.069	16.15	17.00	1.216	0.112	/

		Level5	/		Left Edge	10	159	5795	0.06	0.149	93.52	1.069	16.15	17.00	1.216	0.194	/
		Level5	/		Right Edge	10	159	5795	0.09	0.005	93.52	1.069	16.15	17.00	1.216	0.007	/
		Level5	/		Top Edge	10	159	5795	0.11	0.185	93.52	1.069	16.15	17.00	1.216	0.241	/
		Level5	/		Bottom Edge	10	159	5795	0.01	0.005	93.52	1.069	16.15	17.00	1.216	0.007	/
5.8G	ANT2 WIFI0	Level6	/	802.11n40	Front Side	10	151	5755	0.09	0.023	93.52	1.069	9.54	11.00	1.400	0.034	/
		Level6	/		Back Side	10	151	5755	0.01	0.037	93.52	1.069	9.54	11.00	1.400	0.055	/
		Level6	/		Left Edge	10	151	5755	0.13	0.064	93.52	1.069	9.54	11.00	1.400	0.096	/
		Level6	/		Right Edge	10	151	5755	0.06	0.006	93.52	1.069	9.54	11.00	1.400	0.009	/
		Level6	/		Top Edge	10	151	5755	0.09	0.012	93.52	1.069	9.54	11.00	1.400	0.018	/
		Level6	/		Bottom Edge	10	151	5755	0.01	0.004	93.52	1.069	9.54	11.00	1.400	0.006	/
P-sensor Off																	
5.2G	ANT8 WIFI1	/	OFF	802.11n40	Front Side	16	46	5230	0.09	0.049	93.52	1.069	18.66	19.50	1.213	0.064	/
		/	OFF		Back Side	17	46	5230	0.01	0.057	93.52	1.069	18.66	19.50	1.213	0.074	/
		/	OFF		Left Edge	22	46	5230	0.13	0.027	93.52	1.069	18.66	19.50	1.213	0.035	/
		/	OFF		Top Edge	21	46	5230	0.06	0.120	93.52	1.069	18.66	19.50	1.213	0.156	/
5.8G	ANT8 WIFI1	/	OFF	802.11n40	Front Side	16	159	5795	0.01	0.040	93.52	1.069	18.25	19.50	1.334	0.057	/
		/	OFF		Back Side	17	159	5795	0.13	0.057	93.52	1.069	18.25	19.50	1.334	0.081	/
		/	OFF		Left Edge	22	159	5795	0.06	0.020	93.52	1.069	18.25	19.50	1.334	0.029	/
		/	OFF		Top Edge	21	159	5795	0.09	0.132	93.52	1.069	18.25	19.50	1.334	0.188	/

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

Fre. Band	Antenna	Power Reduction	Distance Sensor	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																	
5.3G	ANT8 WIFI1	Level4	ON1	802.11n40	Front Side	0	54	5270	0.01	0.821	93.52	1.069	16.79	18.00	1.321	1.160	/
		Level4	ON1		Back Side	0	54	5270	0.13	0.530	93.52	1.069	16.79	18.00	1.321	0.749	/
		Level4	ON1		Left Edge	0	54	5270	0.06	0.260	93.52	1.069	16.79	18.00	1.321	0.367	/
		Level4	/		Right Edge	0	54	5270	0.09	0.050	93.52	1.069	16.79	18.00	1.321	0.071	/
		Level4	ON1		Top Edge	0	54	5270	-0.06	1.560	93.52	1.069	16.79	18.00	1.321	2.204	/
		Level4	ON1			0	62	5310	0.01	0.670	93.52	1.069	12.95	14.00	1.274	0.912	/
		Level4	/		Bottom Edge	0	54	5270	0.13	0.014	93.52	1.069	16.79	18.00	1.321	0.020	/
5.3G	ANT2 WIFI0	Level4	/	802.11n40	Front Side	0	54	5270	0.06	0.582	93.52	1.069	18.01	19.50	1.409	0.877	/
		Level4	/		Back Side	0	54	5270	0.09	0.375	93.52	1.069	18.01	19.50	1.409	0.565	/
		Level4	/		Left Edge	0	54	5270	0.01	1.130	93.52	1.069	18.01	19.50	1.409	1.703	/
		Level4	/		Right Edge	0	54	5270	0.13	0.000	93.52	1.069	18.01	19.50	1.409	0.000	/
		Level4	/		Top Edge	0	54	5270	0.06	0.123	93.52	1.069	18.01	19.50	1.409	0.185	/
		Level4	/		Bottom Edge	0	54	5270	0.09	0.056	93.52	1.069	18.01	19.50	1.409	0.084	/
5.3G	ANT2&8	Level4	/	802.11n40	Front Side	0	54	5270	0.01	0.743	93.52	1.069	20.08	21.00	1.236	0.982	/
		Level4	/		Back Side	0	54	5270	0.13	0.631	93.52	1.069	20.08	21.00	1.236	0.834	/
		Level4	/		Left Edge	0	54	5270	0.06	1.080	93.52	1.069	20.08	21.00	1.236	1.427	/
		Level4	/		Right Edge	0	54	5270	0.09	0.053	93.52	1.069	20.08	21.00	1.236	0.070	/
		Level4	/		Top Edge	0	54	5270	0.09	1.690	93.52	1.069	20.08	21.00	1.236	2.233	74#
		Level4	/			0	62	5310	0.01	0.792	93.52	1.069	16.04	17.00	1.247	1.056	/

		Level4	/		Bottom Edge	0	54	5270	0.13	0.053	93.52	1.069	20.08	21.00	1.236	0.070	/
5.6G	ANT8 WIFI1	Level4	ON1	802.11n40	Front Side	0	126	5630	0.01	0.666	93.52	1.069	17.22	18.00	1.197	0.852	/
		Level4	ON1		Back Side	0	126	5630	0.13	0.457	93.52	1.069	17.22	18.00	1.197	0.585	/
		Level4	ON1		Left Edge	0	126	5630	0.06	0.274	93.52	1.069	17.22	18.00	1.197	0.351	/
		Level4	/		Right Edge	0	126	5630	0.09	0.047	93.52	1.069	17.22	18.00	1.197	0.060	/
		Level4	ON1		Top Edge	0	126	5630	0.08	1.500	93.52	1.069	17.22	18.00	1.197	1.919	/
		Level4	/		Bottom Edge	0	126	5630	0.01	0.019	93.52	1.069	17.22	18.00	1.197	0.024	/
5.6G	ANT2 WIFI0	Level4	/	802.11n40	Front Side	0	118	5590	0.13	0.888	93.52	1.069	18.06	19.50	1.393	1.323	/
		Level4	/		Back Side	0	118	5590	0.06	0.664	93.52	1.069	18.06	19.50	1.393	0.989	/
		Level4	/		Left Edge	0	118	5590	0.09	1.310	93.52	1.069	18.06	19.50	1.393	1.951	/
		Level4	/		Right Edge	0	118	5590	0.01	0.007	93.52	1.069	18.06	19.50	1.393	0.010	/
		Level4	/		Top Edge	0	118	5590	0.13	0.185	93.52	1.069	18.06	19.50	1.393	0.276	/
		Level4	/		Bottom Edge	0	118	5590	0.06	0.060	93.52	1.069	18.06	19.50	1.393	0.089	/
5.6G	ANT2&8	Level4	/	802.11n40	Front Side	0	110	5550	0.01	0.690	93.52	1.069	20.18	21.00	1.209	0.892	/
		Level4	/		Back Side	0	110	5550	0.13	0.521	93.52	1.069	20.18	21.00	1.209	0.674	/
		Level4	/		Left Edge	0	110	5550	0.06	1.460	93.52	1.069	20.18	21.00	1.209	1.888	/
		Level4	/		Right Edge	0	110	5550	0.09	0.053	93.52	1.069	20.18	21.00	1.209	0.069	/
		Level4	/		Top Edge	0	110	5550	0.07	1.540	93.52	1.069	20.18	21.00	1.209	1.991	75#
		Level4	/		Bottom Edge	0	110	5550	0.06	0.065	93.52	1.069	20.18	21.00	1.209	0.084	/
P-sensor Off																	
5.3G	ANT8 WIFI1	/	OFF	802.11n40	Front Side	16	54	5270	0.01	0.023	93.52	1.069	16.79	18.00	1.321	0.032	/
		/	OFF		Back Side	17	54	5270	-0.02	0.027	93.52	1.069	16.79	18.00	1.321	0.038	/
		/	OFF		Left Edge	22	54	5270	0.05	0.022	93.52	1.069	16.79	18.00	1.321	0.031	/
		/	OFF		Top Edge	21	54	5270	0.02	0.053	93.52	1.069	16.79	18.00	1.321	0.075	/
5.6G	ANT8 WIFI1	/	OFF	802.11n40	Front Side	16	126	5630	0.09	0.025	93.52	1.069	17.22	18.00	1.197	0.032	/
		/	OFF		Back Side	17	126	5630	-0.06	0.033	93.52	1.069	17.22	18.00	1.197	0.042	/
		/	OFF		Left Edge	22	126	5630	-0.07	0.024	93.52	1.069	17.22	18.00	1.197	0.031	/
		/	OFF		Top Edge	21	126	5630	0.01	0.061	93.52	1.069	17.22	18.00	1.197	0.078	/
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)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune- up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
ANT7	DH5	Left Cheek	0	39	2441	0.180	0.648	76.18	1.313	15.64	16.00	1.086	0.924	76#
			0	0	2402	-0.180	0.552	76.18	1.313	15.19	16.00	1.205	0.874	/
			0	78	2480	-0.030	0.457	76.18	1.313	14.79	16.00	1.321	0.792	/
		Left Tilt	0	39	2441	-0.110	0.606	76.18	1.313	15.64	16.00	1.086	0.864	/
			0	0	2402	-0.130	0.518	76.18	1.313	15.19	16.00	1.205	0.819	/
			0	78	2480	0.110	0.476	76.18	1.313	14.79	16.00	1.321	0.826	/
		Right Cheek	0	39	2441	0.000	0.347	76.18	1.313	15.64	16.00	1.086	0.495	/
		Right Tilt	0	39	2441	0.170	0.417	76.18	1.313	15.64	16.00	1.086	0.595	/
Body-worn Accessory														
ANT7	DH5	Front Side	15	39	2441	0.130	0.052	76.18	1.313	15.64	16.00	1.086	0.074	/
		Back Side	15	39	2441	0.03	0.069	76.18	1.313	15.64	16.00	1.086	0.098	77#
Hotspot														
ANT7	DH5	Front Side	10	39	2441	0.17	0.082	76.18	1.313	15.64	16.00	1.086	0.116	/
		Back Side	10	39	2441	0.14	0.095	76.18	1.313	15.64	16.00	1.086	0.136	/
		Left Edge	10	39	2441	-0.02	0.047	76.18	1.313	15.64	16.00	1.086	0.067	/
		Right Edge	10	39	2441	-0.01	0.005	76.18	1.313	15.64	16.00	1.086	0.007	/
		Top Edge	10	39	2441	0.08	0.211	76.18	1.313	15.64	16.00	1.086	0.301	78#
		Bottom Edge	10	39	2441	-0.18	0.004	76.18	1.313	15.64	16.00	1.086	0.006	/
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 Ratio
1880	GSM 1900	Head	Right Tilt	0.907	Yes	0.875	1.04
1880	WCDMA Band 2	Head	Right Tilt	0.830	Yes	0.807	1.03
1880	WCDMA Band 2	Hotspot	Bottom Edge	0.844	Yes	0.829	1.02
1900	LTE Band 2	Head	Right Tilt	0.909	Yes	0.892	1.02
2510	LTE Band 7	Head	Right Tilt	0.945	Yes	0.926	1.02
2535	LTE Band 7	Hotspot	Bottom Edge	0.991	Yes	0.961	1.03
2506	LTE Band 41	Head	Right Tilt	0.949	Yes	0.924	1.03
2595	5G n38	Head	Right Tilt	0.813	Yes	0.789	1.03
2546.01	5G n41	Head	Right Tilt	1.100	Yes	1.077	1.02
2457	2.4G WIFI	Head	Right Cheek	0.957	Yes	0.937	1.02

Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20 , the second repeated measurement. Is not required.

13 SIMULTANEOUS TRANSMISSION

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

13.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot	Specific
1	WWAN + 2.4GWIFI (Ant.7)	Yes	Yes	Yes	Yes
2	WWAN + 2.4GWIFI (Ant.2)	Yes	Yes	Yes	Yes
3	WWAN + 2.4GWIFI (Ant.2&7)	Yes	Yes	Yes	Yes
4	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5	WWAN + 2.4GWIFI (Ant.2) + Bluetooth	Yes	Yes	Yes	Yes
6	WWAN + 5GWIFI (Ant.8)	Yes	Yes	Yes	Yes
7	WWAN + 5GWIFI (Ant.2)	Yes	Yes	Yes	Yes
8	WWAN + 5GWIFI (Ant.2&8)	Yes	Yes	Yes	Yes
9	WWAN + 5GWIFI (Ant.8) + Bluetooth	Yes	Yes	Yes	Yes
10	WWAN + 5GWIFI (Ant.2) + Bluetooth	Yes	Yes	Yes	Yes
11	WWAN + 5GWIFI (Ant.2&8) + Bluetooth	Yes	Yes	Yes	Yes
12	WWAN + 2.4GWIFI (Ant.7) + 5GWIFI (Ant.2)	Yes	Yes	Yes	Yes

Note:

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

13.2 Sum SAR of Simultaneous Transmission

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

Band	Antenna	Position	Stand alone SAR								SUM SAR						
			1	2	3	4	5	6	7	8	Sum	Sum	Sum	Sum	Sum	Sum	Sum
			WWAN	2.4GWI FI (Ant.7)	2.4GWI FI (Ant.2)	2.4GWI FI (Ant.2& 7)	MAX.5 GWIFI (Ant.8)	MAX.5 GWIFI (Ant.2)	MAX.5 GWIFI (Ant.2& 8)	Bluetooth	SAR (1+2)	SAR (1+3+8)	SAR (1+4)	SAR (1+5+8)	SAR (1+6+8)	SAR (1+7+8)	SAR (1+2+6)
GSM850	Ant.0	Left Cheek	0.297	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.699	1.512	0.737	1.515	1.401	1.524	0.879
	Ant.0	Left Tilt	0.050	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.403	0.947	0.359	1.267	0.992	1.291	0.481
	Ant.0	Right Cheek	0.210	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.420	1.080	0.703	0.930	0.746	0.930	0.460
	Ant.0	Right Tilt	0.017	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.259	0.636	0.259	0.869	0.663	0.865	0.310
GSM850	Ant.1	Left Cheek	0.114	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.516	1.329	0.554	1.333	1.219	1.341	0.697
	Ant.1	Left Tilt	0.078	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.431	0.975	0.387	1.295	1.020	1.319	0.509
	Ant.1	Right Cheek	0.148	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.357	1.018	0.641	0.868	0.683	0.868	0.398
	Ant.1	Right Tilt	0.093	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.334	0.712	0.334	0.945	0.738	0.941	0.386
GSM1900	Ant.3	Left Cheek	0.167	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.569	1.382	0.607	1.385	1.271	1.394	0.749
	Ant.3	Left Tilt	0.255	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.609	1.153	0.565	1.472	1.197	1.497	0.686
	Ant.3	Right Cheek	0.305	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.515	1.175	0.798	1.025	0.841	1.025	0.555
	Ant.3	Right Tilt	0.424	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.666	1.044	0.666	1.277	1.070	1.272	0.718
GSM1900	Ant.4	Left Cheek	0.060	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.463	1.276	0.501	1.279	1.165	1.288	0.643
	Ant.4	Left Tilt	0.056	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.409	0.953	0.365	1.272	0.997	1.297	0.486
	Ant.4	Right Cheek	0.088	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.297	0.957	0.580	0.807	0.623	0.808	0.338
	Ant.4	Right Tilt	0.044	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.286	0.663	0.286	0.896	0.690	0.892	0.337
WCDMA B2	Ant.3	Left Cheek	0.148	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.550	1.363	0.588	1.366	1.252	1.375	0.730
	Ant.3	Left Tilt	0.183	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.536	1.080	0.493	1.400	1.125	1.425	0.614
	Ant.3	Right Cheek	0.232	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.442	1.102	0.725	0.952	0.767	0.952	0.482
	Ant.3	Right Tilt	0.326	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.567	0.945	0.568	1.178	0.971	1.174	0.619
WCDMA B2	Ant.4	Left Cheek	0.146	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.548	1.361	0.586	1.364	1.250	1.373	0.728
	Ant.4	Left Tilt	0.132	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.485	1.029	0.441	1.348	1.073	1.373	0.562
	Ant.4	Right Cheek	0.222	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.431	1.092	0.715	0.942	0.757	0.942	0.472
	Ant.4	Right Tilt	0.107	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.349	0.726	0.349	0.959	0.753	0.955	0.400
WCDMA B4	Ant.3	Left Cheek	0.184	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.587	1.400	0.625	1.403	1.289	1.411	0.767
	Ant.3	Left Tilt	0.213	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.566	1.110	0.523	1.430	1.155	1.454	0.644
	Ant.3	Right Cheek	0.242	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.452	1.112	0.735	0.962	0.778	0.962	0.492
	Ant.3	Right Tilt	0.393	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.635	1.012	0.635	1.245	1.039	1.241	0.686
WCDMA B4	Ant.4	Left Cheek	0.134	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.537	1.350	0.575	1.353	1.239	1.361	0.717
	Ant.4	Left Tilt	0.113	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.466	1.010	0.422	1.329	1.054	1.354	0.543
	Ant.4	Right Cheek	0.193	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.403	1.063	0.686	0.913	0.729	0.913	0.443
	Ant.4	Right Tilt	0.133	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.375	0.752	0.375	0.985	0.779	0.981	0.426
WCDMA B5	Ant.0	Left Cheek	0.258	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.661	1.474	0.699	1.477	1.363	1.486	0.841
	Ant.0	Left Tilt	0.031	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.384	0.928	0.340	1.247	0.972	1.272	0.461
	Ant.0	Right Cheek	0.142	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.351	1.012	0.635	0.862	0.677	0.862	0.392

	Ant.0	Right Tilt	0.027	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.269	0.646	0.269	0.879	0.673	0.875	0.320
WCDMA B5	Ant.1	Left Cheek	0.091	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.493	1.306	0.531	1.309	1.195	1.318	0.673
	Ant.1	Left Tilt	0.058	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.412	0.955	0.368	1.275	1.000	1.300	0.489
	Ant.1	Right Cheek	0.127	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.337	0.997	0.620	0.847	0.662	0.847	0.377
	Ant.1	Right Tilt	0.075	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.317	0.694	0.317	0.927	0.721	0.923	0.368
LTE B2	Ant.3	Left Cheek	0.199	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.601	1.414	0.639	1.418	1.303	1.426	0.782
	Ant.3	Left Tilt	0.252	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.605	1.149	0.561	1.469	1.194	1.493	0.683
	Ant.3	Right Cheek	0.289	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.498	1.158	0.782	1.008	0.824	1.009	0.539
	Ant.3	Right Tilt	0.395	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.637	1.014	0.637	1.247	1.041	1.243	0.688
LTE B2	Ant.4	Left Cheek	0.125	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.527	1.340	0.565	1.343	1.229	1.352	0.707
	Ant.4	Left Tilt	0.112	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.465	1.009	0.421	1.328	1.053	1.353	0.542
	Ant.4	Right Cheek	0.175	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.385	1.045	0.668	0.895	0.711	0.895	0.425
	Ant.4	Right Tilt	0.101	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.343	0.720	0.343	0.953	0.747	0.949	0.394
LTE B4	Ant.3	Left Cheek	0.226	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.628	1.441	0.666	1.444	1.330	1.453	0.808
	Ant.3	Left Tilt	0.254	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.608	1.151	0.564	1.471	1.196	1.496	0.685
	Ant.3	Right Cheek	0.270	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.480	1.140	0.763	0.990	0.806	0.990	0.521
	Ant.3	Right Tilt	0.391	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.633	1.010	0.633	1.243	1.037	1.239	0.684
LTE B4	Ant.4	Left Cheek	0.122	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.524	1.337	0.562	1.341	1.226	1.349	0.705
	Ant.4	Left Tilt	0.081	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.435	0.979	0.391	1.298	1.023	1.323	0.512
	Ant.4	Right Cheek	0.170	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.380	1.040	0.663	0.890	0.706	0.890	0.420
	Ant.4	Right Tilt	0.090	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.332	0.709	0.332	0.942	0.736	0.938	0.383
LTE B7	Ant.3	Left Cheek	0.260	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.662	1.475	0.700	1.478	1.364	1.487	0.842
	Ant.3	Left Tilt	0.240	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.593	1.137	0.549	1.457	1.182	1.481	0.671
	Ant.3	Right Cheek	0.366	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.575	1.235	0.858	1.085	0.901	1.086	0.616
	Ant.3	Right Tilt	0.513	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.755	1.132	0.755	1.365	1.159	1.361	0.806
LTE B7	Ant.4	Left Cheek	0.121	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.523	1.336	0.561	1.339	1.225	1.348	0.703
	Ant.4	Left Tilt	0.102	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.455	0.999	0.411	1.318	1.043	1.343	0.532
	Ant.4	Right Cheek	0.128	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.338	0.998	0.621	0.848	0.663	0.848	0.378
	Ant.4	Right Tilt	0.068	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.310	0.687	0.310	0.920	0.714	0.916	0.361
LTE B12	Ant.0	Left Cheek	0.285	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.688	1.500	0.726	1.504	1.390	1.512	0.868
	Ant.0	Left Tilt	0.044	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.397	0.941	0.353	1.260	0.985	1.285	0.474
	Ant.0	Right Cheek	0.167	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.377	1.037	0.660	0.887	0.703	0.887	0.417
	Ant.0	Right Tilt	0.032	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.274	0.651	0.274	0.884	0.678	0.880	0.325
LTE B12	Ant.1	Left Cheek	0.021	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.423	1.236	0.461	1.239	1.125	1.248	0.603
	Ant.1	Left Tilt	0.010	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.364	0.908	0.320	1.227	0.952	1.252	0.441
	Ant.1	Right Cheek	0.065	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.275	0.935	0.558	0.785	0.601	0.785	0.315
	Ant.1	Right Tilt	0.030	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.272	0.649	0.272	0.882	0.676	0.878	0.323
LTE B26	Ant.0	Left Cheek	0.342	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.744	1.557	0.782	1.560	1.446	1.569	0.924
	Ant.0	Left Tilt	0.036	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.389	0.933	0.345	1.252	0.977	1.277	0.466
	Ant.0	Right Cheek	0.197	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.407	1.067	0.690	0.917	0.733	0.917	0.447
	Ant.0	Right Tilt	0.029	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.271	0.648	0.271	0.881	0.675	0.877	0.322
LTE B26	Ant.1	Left Cheek	0.087	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.490	1.303	0.528	1.306	1.192	1.314	0.670
	Ant.1	Left Tilt	0.058	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.411	0.955	0.368	1.275	1.000	1.299	0.489
	Ant.1	Right Cheek	0.126	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.335	0.996	0.619	0.846	0.661	0.846	0.376
	Ant.1	Right Tilt	0.077	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.319	0.696	0.319	0.929	0.723	0.925	0.370

LTE B66	Ant.3	Left Cheek	0.199	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.601	1.414	0.639	1.417	1.303	1.426	0.781
	Ant.3	Left Tilt	0.269	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.623	1.167	0.579	1.486	1.211	1.511	0.700
	Ant.3	Right Cheek	0.283	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.493	1.153	0.776	1.003	0.819	1.003	0.533
	Ant.3	Right Tilt	0.387	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.629	1.006	0.629	1.239	1.033	1.235	0.680
LTE B66	Ant.4	Left Cheek	0.102	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.505	1.318	0.543	1.321	1.207	1.330	0.685
	Ant.4	Left Tilt	0.093	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.446	0.990	0.402	1.310	1.035	1.334	0.524
	Ant.4	Right Cheek	0.143	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.352	1.012	0.635	0.862	0.678	0.863	0.393
	Ant.4	Right Tilt	0.106	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.348	0.725	0.348	0.958	0.752	0.954	0.399
LTE B38	Ant.3	Left Cheek	0.208	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.610	1.423	0.648	1.426	1.312	1.435	0.790
	Ant.3	Left Tilt	0.278	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.631	1.175	0.587	1.495	1.220	1.519	0.709
	Ant.3	Right Cheek	0.268	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.478	1.138	0.761	0.988	0.803	0.988	0.518
	Ant.3	Right Tilt	0.389	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.631	1.008	0.631	1.241	1.035	1.237	0.682
LTE B38	Ant.4	Left Cheek	0.054	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.456	1.269	0.494	1.273	1.158	1.281	0.637
	Ant.4	Left Tilt	0.056	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.409	0.953	0.365	1.272	0.997	1.297	0.486
	Ant.4	Right Cheek	0.051	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.260	0.921	0.544	0.771	0.586	0.771	0.301
	Ant.4	Right Tilt	0.031	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.273	0.650	0.273	0.883	0.677	0.879	0.324
LTE B41	Ant.3	Left Cheek	0.301	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.703	1.516	0.741	1.519	1.405	1.528	0.883
	Ant.3	Left Tilt	0.329	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.683	1.227	0.639	1.546	1.271	1.571	0.760
	Ant.3	Right Cheek	0.452	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.662	1.322	0.945	1.172	0.988	1.172	0.702
	Ant.3	Right Tilt	0.665	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.907	1.284	0.907	1.517	1.311	1.513	0.958
LTE B41	Ant.4	Left Cheek	0.041	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.444	1.257	0.482	1.260	1.146	1.268	0.624
	Ant.4	Left Tilt	0.042	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.396	0.940	0.352	1.259	0.984	1.284	0.473
	Ant.4	Right Cheek	0.043	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.253	0.913	0.536	0.763	0.579	0.763	0.293
	Ant.4	Right Tilt	0.035	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.276	0.654	0.277	0.887	0.680	0.883	0.328
5G N5	Ant.0	Left Cheek	0.291	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.693	1.506	0.731	1.509	1.395	1.518	0.873
	Ant.0	Left Tilt	0.053	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.406	0.950	0.363	1.270	0.995	1.294	0.484
	Ant.0	Right Cheek	0.148	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.358	1.018	0.641	0.868	0.684	0.868	0.398
	Ant.0	Right Tilt	0.042	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.284	0.662	0.284	0.895	0.688	0.890	0.336
5G N5	Ant.1	Left Cheek	0.099	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.501	1.314	0.539	1.318	1.203	1.326	0.682
	Ant.1	Left Tilt	0.074	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.427	0.971	0.383	1.291	1.016	1.315	0.505
	Ant.1	Right Cheek	0.131	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.341	1.001	0.624	0.851	0.667	0.851	0.381
	Ant.1	Right Tilt	0.093	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.334	0.712	0.335	0.945	0.738	0.941	0.386
5G N7	Ant.3	Left Cheek	0.308	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.711	1.524	0.749	1.527	1.413	1.535	0.891
	Ant.3	Left Tilt	0.321	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.675	1.219	0.631	1.538	1.263	1.563	0.752
	Ant.3	Right Cheek	0.470	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.680	1.340	0.963	1.190	1.006	1.190	0.720
	Ant.3	Right Tilt	0.551	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.792	1.170	0.793	1.403	1.196	1.399	0.844
5G N7	Ant.4	Left Cheek	0.134	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.536	1.349	0.574	1.352	1.238	1.361	0.716
	Ant.4	Left Tilt	0.104	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.457	1.001	0.414	1.321	1.046	1.346	0.535
	Ant.4	Right Cheek	0.142	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.351	1.011	0.634	0.861	0.677	0.862	0.392
	Ant.4	Right Tilt	0.074	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.315	0.693	0.315	0.926	0.719	0.922	0.367
5G N38	Ant.3	Left Cheek	0.220	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.623	1.436	0.661	1.439	1.325	1.448	0.803
	Ant.3	Left Tilt	0.289	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.643	1.186	0.599	1.506	1.231	1.531	0.720
	Ant.3	Right Cheek	0.308	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.517	1.177	0.801	1.027	0.843	1.028	0.558
	Ant.3	Right Tilt	0.464	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.706	1.083	0.706	1.316	1.110	1.312	0.757
5G N38	Ant.4	Left Cheek	0.077	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.479	1.292	0.517	1.295	1.181	1.304	0.659

	Ant.4	Left Tilt	0.066	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.420	0.964	0.376	1.283	1.008	1.308	0.497
	Ant.4	Right Cheek	0.066	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.276	0.936	0.559	0.786	0.602	0.786	0.316
	Ant.4	Right Tilt	0.045	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.287	0.664	0.287	0.897	0.691	0.893	0.338
5G N41	Ant.3	Left Cheek	0.269	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.672	1.485	0.710	1.488	1.374	1.497	0.852
	Ant.3	Left Tilt	0.284	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.638	1.181	0.594	1.501	1.226	1.526	0.715
	Ant.3	Right Cheek	0.498	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.707	1.368	0.991	1.218	1.033	1.218	0.748
	Ant.3	Right Tilt	0.600	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.842	1.219	0.842	1.452	1.246	1.448	0.893
5G N41	Ant.4	Left Cheek	0.082	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.485	1.298	0.523	1.301	1.187	1.309	0.665
	Ant.4	Left Tilt	0.079	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.433	0.977	0.389	1.296	1.021	1.321	0.510
	Ant.4	Right Cheek	0.090	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.299	0.959	0.582	0.809	0.625	0.810	0.340
	Ant.4	Right Tilt	0.071	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.312	0.690	0.313	0.923	0.716	0.919	0.364

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

13.2.2 Head Simultaneous Transmission SAR Evaluation for EN-DC Mode with WLAN and Bluetooth

EN-DC Configuratin	LTE Ant.	NR Ant.	Position	Stand alone SAR									SUM SAR						
				1	2	3	4	5	6	7	8	9	Sum	Sum	Sum	Sum	Sum	Sum	Sum
				LTE	NR	2.4G WIFI (Ant.7)	2.4G WIFI (Ant.2)	2.4G WIFI (Ant.2 &7)	MAX. 5GWI FI (Ant.8)	MAX. 5GWI FI (Ant.2)	MAX. 5GWI FI (Ant.2 &8)	Blueto oth	(1+2+ 3)	(1+2+ 4+9)	(1+2+ 5)	(1+2+ 6+9)	(1+2+ 7+9)	(1+2+ 8+9)	(1+2+ 3+7)
DC_7A_n5A	Ant.3	Ant.0	Left Cheek	0.110	0.188	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.701	1.514	0.739	1.517	1.403	1.525	0.881
			Left Tilt	0.142	0.027	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.523	1.067	0.479	1.386	1.111	1.411	0.600
			Right Cheek	0.152	0.082	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.444	1.104	0.727	0.954	0.769	0.954	0.484
			Right Tilt	0.174	0.019	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.435	0.812	0.435	1.045	0.839	1.041	0.486
DC_7A_n5A	Ant.5	Ant.0	Left Cheek	0.117	0.188	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.708	1.521	0.746	1.524	1.410	1.533	0.888
			Left Tilt	0.050	0.027	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.431	0.975	0.387	1.294	1.019	1.319	0.508
			Right Cheek	0.301	0.082	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.592	1.252	0.876	1.102	0.918	1.103	0.633
			Right Tilt	0.156	0.019	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.417	0.794	0.417	1.027	0.821	1.023	0.468
DC_7A_n5A	Ant.3	Ant.1	Left Cheek	0.110	0.099	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.611	1.424	0.649	1.428	1.313	1.436	0.792
			Left Tilt	0.142	0.074	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.569	1.113	0.525	1.433	1.158	1.457	0.647
			Right Cheek	0.152	0.131	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.493	1.153	0.776	1.003	0.818	1.003	0.533
			Right Tilt	0.174	0.093	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.509	0.886	0.509	1.119	0.913	1.115	0.560
DC_7A_n5A	Ant.5	Ant.1	Left Cheek	0.117	0.099	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.619	1.432	0.657	1.435	1.321	1.443	0.799
			Left Tilt	0.050	0.074	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.477	1.021	0.433	1.341	1.066	1.365	0.555
			Right Cheek	0.301	0.131	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.641	1.301	0.924	1.151	0.967	1.152	0.682
			Right Tilt	0.156	0.093	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.490	0.868	0.491	1.101	0.894	1.097	0.542
DC_5A_n7A	Ant.0	Ant.3	Left Cheek	0.185	0.160	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.748	1.561	0.786	1.564	1.450	1.573	0.928
			Left Tilt	0.088	0.212	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.653	1.197	0.609	1.516	1.241	1.541	0.730
			Right Cheek	0.113	0.247	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.570	1.231	0.854	1.081	0.896	1.081	0.611
			Right Tilt	0.058	0.293	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.593	0.970	0.593	1.203	0.997	1.199	0.644
DC_5A_n7A	Ant.1	Ant.3	Left Cheek	0.074	0.160	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.637	1.450	0.675	1.453	1.339	1.462	0.817
			Left Tilt	0.051	0.212	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.615	1.159	0.571	1.479	1.204	1.503	0.693
			Right Cheek	0.097	0.247	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.554	1.214	0.837	1.064	0.880	1.064	0.594
			Right Tilt	0.076	0.293	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.610	0.988	0.611	1.221	1.014	1.217	0.662
DC_5A_n7A	Ant.0	Ant.5	Left Cheek	0.185	0.134	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.721	1.534	0.759	1.538	1.423	1.546	0.902
			Left Tilt	0.088	0.104	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.545	1.089	0.501	1.409	1.134	1.433	0.623
			Right Cheek	0.113	0.142	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.465	1.125	0.748	0.975	0.790	0.975	0.505
			Right Tilt	0.058	0.074	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.374	0.751	0.374	0.984	0.778	0.980	0.425
DC_5A_n7A	Ant.1	Ant.5	Left Cheek	0.074	0.134	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.610	1.423	0.648	1.427	1.312	1.435	0.791
			Left Tilt	0.051	0.104	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.508	1.052	0.464	1.371	1.096	1.396	0.585
			Right Cheek	0.097	0.142	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.448	1.108	0.731	0.958	0.774	0.958	0.489
			Right Tilt	0.076	0.074	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.391	0.768	0.391	1.001	0.795	0.997	0.442
DC_7A_n66A	Ant.5	Ant.3	Left Cheek	0.054	0.113	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.570	1.382	0.608	1.386	1.272	1.394	0.750
			Left Tilt	0.023	0.134	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.511	1.055	0.467	1.374	1.099	1.399	0.588
			Right Cheek	0.019	0.156	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.385	1.045	0.668	0.895	0.711	0.895	0.425
			Right Tilt	0.070	0.185	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.497	0.875	0.498	1.108	0.901	1.104	0.549

DC_7A_n66A	Ant.7	Ant.3	Left Cheek	0.224	0.113	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.739	1.552	0.777	1.555	1.441	1.564	0.919
			Left Tilt	0.192	0.134	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.679	1.223	0.635	1.543	1.268	1.567	0.757
			Right Cheek	0.127	0.156	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.492	1.153	0.776	1.003	0.818	1.003	0.533
			Right Tilt	0.140	0.185	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.567	0.944	0.567	1.177	0.971	1.173	0.618
DC_7A_n66A	Ant.5	Ant.4	Left Cheek	0.054	0.120	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.576	1.389	0.614	1.392	1.278	1.401	0.756
			Left Tilt	0.023	0.074	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.451	0.995	0.407	1.314	1.039	1.339	0.528
			Right Cheek	0.019	0.197	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.426	1.086	0.709	0.936	0.752	0.936	0.466
			Right Tilt	0.070	0.099	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.411	0.788	0.411	1.021	0.815	1.017	0.462
DC_7A_n66A	Ant.7	Ant.4	Left Cheek	0.224	0.120	0.402	0.291	0.440	0.294	0.180	0.303	0.924	0.746	1.559	0.784	1.562	1.448	1.570	0.926
			Left Tilt	0.211	0.074	0.353	0.033	0.309	0.352	0.077	0.377	0.864	0.639	1.183	0.595	1.502	1.227	1.527	0.716
			Right Cheek	0.127	0.197	0.210	0.375	0.493	0.225	0.041	0.225	0.495	0.533	1.194	0.817	1.044	0.859	1.044	0.574
			Right Tilt	0.140	0.099	0.242	0.024	0.242	0.257	0.051	0.253	0.595	0.480	0.857	0.480	1.090	0.884	1.086	0.531

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

13.2.3 Head Simultaneous Transmission SAR Evaluation for EN-DC Mode

EN-DC Configuratioin	LTE Ant.	NR Ant.	Position	Stand alone SAR		SUM SAR
				1	2	Sum SAR
				LTE	NR	(1+2)
DC_7A_n5A	Ant.3	Ant.0	Left Cheek	0.363	0.382	0.745
			Left Tilt	0.473	0.053	0.525
			Right Cheek	0.527	0.164	0.690
			Right Tilt	0.574	0.040	0.614
DC_7A_n5A	Ant.5	Ant.0	Left Cheek	0.198	0.382	0.580
			Left Tilt	0.086	0.053	0.139
			Right Cheek	0.528	0.164	0.691
			Right Tilt	0.263	0.040	0.303
DC_7A_n5A	Ant.3	Ant.1	Left Cheek	0.363	0.099	0.461
			Left Tilt	0.473	0.074	0.546
			Right Cheek	0.527	0.131	0.658
			Right Tilt	0.574	0.093	0.667
DC_7A_n5A	Ant.5	Ant.1	Left Cheek	0.198	0.099	0.297
			Left Tilt	0.086	0.074	0.160
			Right Cheek	0.528	0.131	0.659
			Right Tilt	0.263	0.093	0.355
DC_5A_n7A	Ant.0	Ant.3	Left Cheek	0.417	0.308	0.725
			Left Tilt	0.059	0.393	0.452
			Right Cheek	0.232	0.470	0.703
			Right Tilt	0.053	0.551	0.603
DC_5A_n7A	Ant.1	Ant.3	Left Cheek	0.074	0.308	0.383
			Left Tilt	0.051	0.393	0.444
			Right Cheek	0.097	0.470	0.567
			Right Tilt	0.076	0.551	0.626
DC_5A_n7A	Ant.0	Ant.5	Left Cheek	0.417	0.176	0.592
			Left Tilt	0.059	0.086	0.144
			Right Cheek	0.232	0.603	0.835
			Right Tilt	0.053	0.248	0.301
DC_5A_n7A	Ant.1	Ant.5	Left Cheek	0.074	0.176	0.250
			Left Tilt	0.051	0.086	0.136
			Right Cheek	0.097	0.603	0.699
			Right Tilt	0.076	0.248	0.324
DC_7A_n66A	Ant.5	Ant.3	Left Cheek	0.158	0.146	0.303
			Left Tilt	0.068	0.183	0.251
			Right Cheek	0.531	0.223	0.754
			Right Tilt	0.214	0.271	0.485
DC_7A_n66A	Ant.7	Ant.3	Left Cheek	0.445	0.146	0.590
			Left Tilt	0.415	0.183	0.598
			Right Cheek	0.197	0.223	0.420

			Right Tilt	0.213	0.271	0.484
DC_7A_n66A	Ant.5	Ant.4	Left Cheek	0.158	0.120	0.278
			Left Tilt	0.068	0.074	0.142
			Right Cheek	0.531	0.197	0.728
			Right Tilt	0.214	0.099	0.313
DC_7A_n66A	Ant.7	Ant.4	Left Cheek	0.445	0.120	0.564
			Left Tilt	0.415	0.074	0.490
			Right Cheek	0.197	0.197	0.394
			Right Tilt	0.213	0.099	0.311

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 0.835 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						
			1	2	3	4	5	6	7	8	Sum	Sum	Sum	Sum	Sum	Sum	Sum
			WWAN	2.4GWI FI (Ant.7)	2.4GWI FI (Ant.2)	2.4GWI FI (Ant.2& 7)	MAX.5 GWIFI (Ant.8)	MAX.5 GWIFI (Ant.2)	MAX.5 GWIFI (Ant.2& 8)	Bluetooth	(1+2)	(1+3+8)	(1+4)	(1+5+8)	(1+6+8)	(1+7+8)	(1+2+6)
GSM850	Ant.0	Front Side 15mm	0.377	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.492	0.546	0.553	0.572	0.567	0.618	0.608
	Ant.0	Back Side 15mm	0.439	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.587	0.647	0.603	0.708	0.733	0.739	0.783
GSM850	Ant.1	Front Side 15mm	0.216	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.329	0.382	0.390	0.408	0.403	0.454	0.444
	Ant.1	Back Side 15mm	0.267	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.411	0.471	0.427	0.532	0.558	0.564	0.607
GSM1900	Ant.3	Front Side 15mm	0.179	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.306	0.360	0.367	0.386	0.380	0.432	0.421
	Ant.3	Back Side 15mm	0.244	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.436	0.495	0.451	0.556	0.582	0.588	0.632
GSM1900	Ant.4	Front Side 15mm	0.213	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.327	0.381	0.389	0.407	0.402	0.453	0.443
	Ant.4	Back Side 15mm	0.273	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.419	0.479	0.435	0.540	0.566	0.572	0.615
WCDMA B2	Ant.3	Front Side 15mm	0.124	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.406	0.459	0.467	0.486	0.480	0.532	0.521
	Ant.3	Back Side 15mm	0.233	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.590	0.650	0.606	0.711	0.736	0.743	0.786
WCDMA B2	Ant.4	Front Side 15mm	0.272	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.398	0.451	0.459	0.478	0.472	0.524	0.513
	Ant.4	Back Side 15mm	0.346	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.508	0.568	0.524	0.629	0.654	0.660	0.704
WCDMA B4	Ant.3	Front Side 15mm	0.107	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.256	0.309	0.317	0.336	0.330	0.381	0.371
	Ant.3	Back Side 15mm	0.172	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.363	0.423	0.379	0.484	0.510	0.516	0.560
WCDMA B4	Ant.4	Front Side 15mm	0.209	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.322	0.375	0.383	0.402	0.396	0.447	0.437
	Ant.4	Back Side 15mm	0.267	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.412	0.472	0.428	0.533	0.558	0.565	0.608
WCDMA B5	Ant.0	Front Side 15mm	0.296	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.410	0.464	0.472	0.490	0.485	0.536	0.526
	Ant.0	Back Side 15mm	0.398	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.492	0.552	0.508	0.613	0.638	0.644	0.688
WCDMA B5	Ant.1	Front Side 15mm	0.145	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.259	0.312	0.320	0.339	0.333	0.385	0.374
	Ant.1	Back Side 15mm	0.171	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.318	0.378	0.334	0.438	0.464	0.470	0.514
LTE B2	Ant.3	Front Side 15mm	0.210	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.429	0.482	0.490	0.509	0.503	0.554	0.544
	Ant.3	Back Side 15mm	0.322	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.581	0.641	0.597	0.702	0.727	0.733	0.777
LTE B2	Ant.4	Front Side 15mm	0.258	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.388	0.441	0.449	0.468	0.462	0.514	0.503
	Ant.4	Back Side 15mm	0.335	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.500	0.560	0.516	0.621	0.647	0.653	0.696
LTE B4	Ant.3	Front Side 15mm	0.097	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.224	0.277	0.285	0.303	0.298	0.349	0.339
	Ant.3	Back Side 15mm	0.143	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.317	0.376	0.332	0.437	0.463	0.469	0.513
LTE B4	Ant.4	Front Side 15mm	0.366	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.378	0.432	0.439	0.458	0.453	0.504	0.494
	Ant.4	Back Side 15mm	0.447	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.470	0.530	0.486	0.591	0.616	0.622	0.666
LTE B7	Ant.3	Front Side 15mm	0.196	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.359	0.413	0.420	0.439	0.434	0.485	0.475
	Ant.3	Back Side 15mm	0.329	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.560	0.620	0.576	0.681	0.707	0.713	0.757
LTE B7	Ant.4	Front Side 15mm	0.413	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.527	0.580	0.588	0.607	0.601	0.653	0.642
	Ant.4	Back Side 15mm	0.557	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.704	0.764	0.720	0.825	0.850	0.856	0.900
LTE B12	Ant.0	Front Side 15mm	0.257	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.371	0.425	0.432	0.451	0.446	0.497	0.486
	Ant.0	Back Side 15mm	0.293	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.440	0.500	0.456	0.561	0.586	0.592	0.636
LTE B12	Ant.1	Front Side 15mm	0.101	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.215	0.268	0.276	0.295	0.289	0.341	0.330
	Ant.1	Back Side 15mm	0.119	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.265	0.325	0.281	0.386	0.412	0.418	0.461
LTE B26	Ant.0	Front Side 15mm	0.312	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.426	0.480	0.487	0.506	0.501	0.552	0.542

	Ant.0	Back Side 15mm	0.363	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.510	0.570	0.525	0.630	0.656	0.662	0.706
LTE B26	Ant.1	Front Side 15mm	0.185	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.299	0.352	0.360	0.378	0.373	0.424	0.414
	Ant.1	Back Side 15mm	0.222	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.369	0.429	0.385	0.490	0.515	0.521	0.565
LTE B66	Ant.3	Front Side 15mm	0.084	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.227	0.280	0.288	0.307	0.301	0.353	0.342
	Ant.3	Back Side 15mm	0.126	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.325	0.385	0.341	0.446	0.472	0.478	0.521
LTE B66	Ant.4	Front Side 15mm	0.408	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.114	0.167	0.175	0.194	0.188	0.240	0.229
	Ant.4	Back Side 15mm	0.546	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.147	0.207	0.162	0.267	0.293	0.299	0.343
LTE B38	Ant.3	Front Side 15mm	0.138	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.344	0.397	0.405	0.424	0.418	0.470	0.459
	Ant.3	Back Side 15mm	0.221	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.503	0.563	0.519	0.624	0.650	0.656	0.699
LTE B38	Ant.4	Front Side 15mm	0.233	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.347	0.400	0.408	0.427	0.421	0.472	0.462
	Ant.4	Back Side 15mm	0.360	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.507	0.567	0.523	0.628	0.653	0.659	0.703
LTE B41	Ant.3	Front Side 15mm	0.136	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.366	0.419	0.427	0.445	0.440	0.491	0.481
	Ant.3	Back Side 15mm	0.219	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.546	0.606	0.562	0.667	0.692	0.698	0.742
LTE B41	Ant.4	Front Side 15mm	0.257	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.340	0.393	0.401	0.420	0.414	0.465	0.455
	Ant.4	Back Side 15mm	0.348	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.452	0.512	0.468	0.573	0.598	0.604	0.648
5G N5	Ant.0	Front Side 15mm	0.331	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.428	0.481	0.489	0.507	0.502	0.553	0.543
	Ant.0	Back Side 15mm	0.346	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.484	0.544	0.500	0.605	0.631	0.637	0.680
5G N5	Ant.1	Front Side 15mm	0.121	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.114	0.167	0.175	0.194	0.188	0.240	0.229
	Ant.1	Back Side 15mm	0.161	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.147	0.207	0.162	0.267	0.293	0.299	0.343
5G N7	Ant.3	Front Side 15mm	0.191	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.305	0.358	0.366	0.385	0.379	0.430	0.420
	Ant.3	Back Side 15mm	0.299	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.445	0.505	0.461	0.566	0.592	0.598	0.641
5G N7	Ant.4	Front Side 15mm	0.115	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.225	0.279	0.286	0.305	0.299	0.351	0.340
	Ant.4	Back Side 15mm	0.158	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.301	0.361	0.317	0.422	0.447	0.453	0.497
5G N38	Ant.3	Front Side 15mm	0.213	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.327	0.380	0.388	0.407	0.401	0.453	0.442
	Ant.3	Back Side 15mm	0.341	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.488	0.548	0.504	0.609	0.634	0.640	0.684
5G N38	Ant.4	Front Side 15mm	0.126	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.240	0.293	0.301	0.320	0.314	0.366	0.355
	Ant.4	Back Side 15mm	0.149	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.296	0.356	0.312	0.417	0.442	0.449	0.492
5G N41	Ant.3	Front Side 15mm	0.150	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.271	0.324	0.332	0.351	0.345	0.396	0.386
	Ant.3	Back Side 15mm	0.247	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.404	0.464	0.420	0.525	0.550	0.556	0.600
5G N41	Ant.4	Front Side 15mm	0.092	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.206	0.259	0.267	0.286	0.280	0.332	0.321
	Ant.4	Back Side 15mm	0.122	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.269	0.329	0.285	0.390	0.415	0.422	0.465

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

13.2.5 Body-worn Simultaneous Transmission SAR Evaluation for EN-DC Mode with WLAN and Bluetooth

EN-DC Configuratioin	LTE Ant.	NR Ant.	Position	Stand alone SAR									SUM SAR						
				1	2	3	4	5	6	7	8	9	Sum	Sum	Sum	Sum	Sum	Sum	Sum
				LTE	NR	2.4G WIFI (Ant.7)	2.4G WIFI (Ant.2)	2.4G WIFI (Ant.2 &7)	MAX. 5GWI FI (Ant.8)	MAX. 5GWI FI (Ant.2)	MAX. 5GWI FI (Ant.2 &8)	Bluet ooth	(1+2+3)	(1+2+4+9)	(1+2+5)	(1+2+6+9)	(1+2+7+9)	(1+2+8+9)	(1+2+3+7)
DC_7A_n5A	Ant.3	Ant.0	Front Side 15mm	0.103	0.229	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.437	0.500	0.502	0.511	0.475	0.545	0.506
			Back Side 15mm	0.161	0.252	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.547	0.620	0.570	0.648	0.626	0.671	0.664
DC_7A_n5A	Ant.5	Ant.0	Front Side 15mm	0.192	0.229	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.525	0.589	0.590	0.600	0.563	0.633	0.594
			Back Side 15mm	0.261	0.252	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.648	0.720	0.670	0.748	0.727	0.771	0.764
DC_7A_n5A	Ant.3	Ant.1	Front Side 15mm	0.103	0.121	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.329	0.392	0.394	0.403	0.367	0.437	0.398
			Back Side 15mm	0.161	0.161	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.456	0.529	0.479	0.557	0.535	0.579	0.573
DC_7A_n5A	Ant.5	Ant.1	Front Side 15mm	0.192	0.121	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.417	0.481	0.482	0.492	0.455	0.526	0.486
			Back Side 15mm	0.261	0.161	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.556	0.629	0.579	0.657	0.636	0.680	0.673
DC_5A_n7A	Ant.0	Ant.3	Front Side 15mm	0.160	0.093	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.358	0.421	0.423	0.432	0.396	0.466	0.427
			Back Side 15mm	0.184	0.149	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.467	0.539	0.489	0.568	0.546	0.590	0.583
DC_5A_n7A	Ant.1	Ant.3	Front Side 15mm	0.108	0.093	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.306	0.369	0.371	0.381	0.344	0.414	0.375
			Back Side 15mm	0.126	0.149	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.410	0.482	0.432	0.510	0.489	0.533	0.526
DC_5A_n7A	Ant.0	Ant.5	Front Side 15mm	0.160	0.149	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.414	0.477	0.479	0.488	0.452	0.522	0.483
			Back Side 15mm	0.184	0.198	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.516	0.588	0.539	0.617	0.595	0.639	0.632
DC_5A_n7A	Ant.1	Ant.5	Front Side 15mm	0.108	0.149	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.363	0.426	0.427	0.437	0.400	0.471	0.432
			Back Side 15mm	0.126	0.198	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.459	0.531	0.481	0.560	0.538	0.582	0.575
DC_7A_n66A	Ant.5	Ant.3	Front Side 15mm	0.153	0.077	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.335	0.398	0.399	0.409	0.372	0.443	0.404
			Back Side 15mm	0.208	0.118	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.461	0.533	0.483	0.561	0.540	0.584	0.577
DC_7A_n66A	Ant.7	Ant.3	Front Side 15mm	0.041	0.077	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.223	0.286	0.288	0.297	0.261	0.331	0.292
			Back Side 15mm	0.052	0.118	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.305	0.377	0.327	0.406	0.384	0.428	0.421
DC_7A_n66A	Ant.5	Ant.4	Front Side 15mm	0.153	0.122	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.380	0.443	0.444	0.454	0.417	0.488	0.449
			Back Side 15mm	0.208	0.233	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.575	0.648	0.598	0.676	0.654	0.698	0.692
DC_7A_n66A	Ant.7	Ant.4	Front Side 15mm	0.041	0.122	0.105	0.094	0.170	0.106	0.069	0.139	0.074	0.268	0.331	0.333	0.342	0.306	0.376	0.337
			Back Side 15mm	0.052	0.233	0.135	0.110	0.157	0.138	0.116	0.160	0.098	0.420	0.492	0.442	0.520	0.499	0.543	0.536

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

13.2.6 Body-worn Simultaneous Transmission SAR Evaluation for EN-DC Mode

EN-DC Configuratioin	LTE Ant.	NR Ant.	Position	Stand alone SAR		SUM SAR
				1	2	Sum SAR
				LTE	NR	(1+2)
DC_7A_n5A	Ant.3	Ant.0	Front Side 15mm	0.103	0.229	0.332
			Back Side 15mm	0.161	0.252	0.413
DC_7A_n5A	Ant.5	Ant.0	Front Side 15mm	0.192	0.229	0.421
			Back Side 15mm	0.261	0.252	0.513
DC_7A_n5A	Ant.3	Ant.1	Front Side 15mm	0.103	0.121	0.224
			Back Side 15mm	0.161	0.161	0.321
DC_7A_n5A	Ant.5	Ant.1	Front Side 15mm	0.192	0.121	0.313
			Back Side 15mm	0.261	0.161	0.422
DC_5A_n7A	Ant.0	Ant.3	Front Side 15mm	0.160	0.093	0.253
			Back Side 15mm	0.184	0.149	0.332
DC_5A_n7A	Ant.1	Ant.3	Front Side 15mm	0.108	0.093	0.201
			Back Side 15mm	0.126	0.149	0.275
DC_5A_n7A	Ant.0	Ant.5	Front Side 15mm	0.160	0.149	0.309
			Back Side 15mm	0.184	0.198	0.381
DC_5A_n7A	Ant.1	Ant.5	Front Side 15mm	0.108	0.149	0.258
			Back Side 15mm	0.126	0.198	0.324
DC_7A_n66A	Ant.5	Ant.3	Front Side 15mm	0.153	0.077	0.230
			Back Side 15mm	0.208	0.118	0.326
DC_7A_n66A	Ant.7	Ant.3	Front Side 15mm	0.041	0.077	0.118
			Back Side 15mm	0.052	0.118	0.170
DC_7A_n66A	Ant.5	Ant.4	Front Side 15mm	0.153	0.122	0.275
			Back Side 15mm	0.208	0.233	0.441
DC_7A_n66A	Ant.7	Ant.4	Front Side 15mm	0.041	0.122	0.163
			Back Side 15mm	0.052	0.233	0.285

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

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

Band	Antenna	Position	Stand alone SAR								SUM SAR						
			1	2	3	4	5	6	7	8	Sum	Sum	Sum	Sum	Sum	Sum	
			WWAN	2.4GWI FI (Ant.7)	2.4GWI FI (Ant.2)	2.4GWI FI (Ant.2& 7)	MAX.5 GWIFI (Ant.8)	MAX.5 GWIFI (Ant.2)	MAX.5 GWIFI (Ant.2& 8)	Bluetoo th	Sum SAR (1+2)	Sum SAR (1+3+8)	Sum SAR (1+4)	Sum SAR (1+5+8)	Sum SAR (1+6+8)	Sum SAR (1+7+8)	Sum SAR (1+2+6)
GSM850	Ant.0	Front Side 10mm	0.513	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.596	0.751	0.653	0.693	0.676	0.717	0.642
	Ant.0	Back Side 10mm	0.624	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.716	0.904	0.782	0.856	0.855	0.872	0.812
	Ant.0	Right Edge 10mm	0.860	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.867	0.874	0.866	0.902	0.875	0.879	0.874
	Ant.0	Top Edge 10mm	0.023	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.177	0.338	0.223	0.536	0.352	0.565	0.205
GSM850	Ant.1	Front Side 10mm	0.262	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.345	0.500	0.402	0.442	0.425	0.466	0.391
	Ant.1	Back Side 10mm	0.341	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.434	0.621	0.499	0.574	0.573	0.590	0.530
	Ant.1	Left Edge 10mm	0.336	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.353	0.580	0.525	0.446	0.598	0.597	0.548
	Ant.1	Right Edge 10mm	0.073	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.079	0.087	0.079	0.115	0.087	0.092	0.087
	Ant.1	Bottom Edge 10mm	0.197	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.203	0.209	0.212	0.229	0.211	0.210	0.211
GSM1900	Ant.3	Front Side 10mm	0.239	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.322	0.476	0.378	0.418	0.401	0.442	0.368
	Ant.3	Back Side 10mm	0.390	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.482	0.669	0.548	0.622	0.621	0.638	0.578
	Ant.3	Right Edge 10mm	0.078	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.085	0.093	0.085	0.121	0.093	0.097	0.093
	Ant.3	Top Edge 10mm	0.636	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.790	0.951	0.836	1.149	0.966	1.178	0.818
GSM1900	Ant.4	Front Side 10mm	0.414	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.497	0.652	0.554	0.594	0.577	0.618	0.543
	Ant.4	Back Side 10mm	0.535	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.627	0.814	0.693	0.767	0.766	0.783	0.723
	Ant.4	Left Edge 10mm	0.269	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.286	0.513	0.458	0.378	0.530	0.529	0.481
	Ant.4	Bottom Edge 10mm	0.663	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.669	0.675	0.678	0.695	0.677	0.675	0.677
WCDMA B2	Ant.3	Front Side 10mm	0.269	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.352	0.507	0.409	0.449	0.432	0.473	0.398
	Ant.3	Back Side 10mm	0.417	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.510	0.697	0.576	0.650	0.649	0.666	0.606
	Ant.3	Right Edge 10mm	0.087	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.094	0.102	0.093	0.129	0.102	0.106	0.101
	Ant.3	Top Edge 10mm	0.645	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.798	0.959	0.845	1.158	0.974	1.187	0.827
WCDMA B2	Ant.4	Front Side 10mm	0.510	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.593	0.748	0.650	0.690	0.673	0.714	0.639
	Ant.4	Back Side 10mm	0.642	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.735	0.922	0.800	0.874	0.874	0.891	0.830
	Ant.4	Left Edge 10mm	0.441	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.458	0.685	0.630	0.550	0.702	0.702	0.653
	Ant.4	Bottom Edge 10mm	1.173	0.006	0.006	0.015	0.026	0.008	0.007	0.006	1.179	1.185	1.188	1.205	1.187	1.185	1.187
WCDMA B4	Ant.3	Front Side 10mm	0.187	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.270	0.424	0.326	0.366	0.349	0.390	0.316
	Ant.3	Back Side 10mm	0.288	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.380	0.567	0.446	0.520	0.519	0.536	0.476
	Ant.3	Right Edge 10mm	0.014	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.021	0.029	0.021	0.057	0.029	0.033	0.029
	Ant.3	Top Edge 10mm	0.365	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.518	0.679	0.565	0.878	0.694	0.907	0.547
WCDMA B4	Ant.4	Front Side 10mm	0.411	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.494	0.648	0.550	0.590	0.573	0.614	0.540
	Ant.4	Back Side 10mm	0.531	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.624	0.811	0.690	0.764	0.763	0.780	0.720
	Ant.4	Left Edge 10mm	0.661	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.678	0.905	0.850	0.771	0.923	0.922	0.873
	Ant.4	Bottom Edge 10mm	0.880	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.886	0.892	0.896	0.912	0.894	0.893	0.894
WCDMA B5	Ant.0	Front Side 10mm	0.555	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.638	0.792	0.695	0.735	0.717	0.758	0.684
	Ant.0	Back Side 10mm	0.659	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.752	0.939	0.818	0.892	0.891	0.908	0.848
	Ant.0	Right Edge 10mm	0.872	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.879	0.887	0.878	0.914	0.887	0.891	0.886
	Ant.0	Top Edge 10mm	0.032	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.186	0.347	0.232	0.545	0.361	0.574	0.214

WCDMA B5	Ant.1	Front Side 10mm	0.263	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.346	0.501	0.403	0.443	0.426	0.467	0.392
	Ant.1	Back Side 10mm	0.337	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.430	0.617	0.495	0.569	0.569	0.586	0.526
	Ant.1	Left Edge 10mm	0.301	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.318	0.545	0.490	0.410	0.562	0.561	0.512
	Ant.1	Right Edge 10mm	0.084	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.090	0.098	0.090	0.126	0.098	0.103	0.098
	Ant.1	Bottom Edge 10mm	0.188	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.194	0.200	0.203	0.220	0.202	0.200	0.202
LTE B2	Ant.3	Front Side 10mm	0.248	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.331	0.485	0.388	0.428	0.410	0.452	0.377
	Ant.3	Back Side 10mm	0.380	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.472	0.660	0.538	0.612	0.611	0.628	0.568
	Ant.3	Right Edge 10mm	0.092	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.099	0.106	0.098	0.134	0.107	0.111	0.106
	Ant.3	Top Edge 10mm	0.542	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.696	0.857	0.742	1.056	0.872	1.084	0.724
LTE B2	Ant.4	Front Side 10mm	0.405	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.488	0.643	0.545	0.585	0.568	0.609	0.534
	Ant.4	Back Side 10mm	0.535	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.628	0.815	0.693	0.767	0.767	0.784	0.723
	Ant.4	Left Edge 10mm	0.349	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.366	0.593	0.538	0.458	0.611	0.610	0.561
	Ant.4	Bottom Edge 10mm	0.824	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.830	0.836	0.839	0.856	0.838	0.837	0.838
LTE B4	Ant.3	Front Side 10mm	0.175	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.258	0.413	0.315	0.355	0.338	0.379	0.304
	Ant.3	Back Side 10mm	0.274	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.366	0.554	0.432	0.506	0.505	0.522	0.462
	Ant.3	Right Edge 10mm	0.018	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.025	0.033	0.025	0.061	0.033	0.038	0.033
	Ant.3	Top Edge 10mm	0.420	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.574	0.735	0.620	0.933	0.749	0.962	0.602
LTE B4	Ant.4	Front Side 10mm	0.527	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.610	0.764	0.666	0.706	0.689	0.730	0.656
	Ant.4	Back Side 10mm	0.678	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.771	0.958	0.836	0.910	0.910	0.927	0.867
	Ant.4	Left Edge 10mm	0.561	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.578	0.805	0.750	0.670	0.823	0.822	0.773
	Ant.4	Bottom Edge 10mm	1.030	0.006	0.006	0.015	0.026	0.008	0.007	0.006	1.036	1.042	1.045	1.062	1.044	1.042	1.044
LTE B7	Ant.3	Front Side 10mm	0.207	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.290	0.445	0.347	0.387	0.369	0.411	0.336
	Ant.3	Back Side 10mm	0.339	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.432	0.619	0.498	0.571	0.571	0.588	0.528
	Ant.3	Right Edge 10mm	0.075	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.082	0.090	0.082	0.118	0.090	0.094	0.090
	Ant.3	Top Edge 10mm	0.740	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.894	1.055	0.940	1.253	1.070	1.282	0.922
LTE B7	Ant.4	Front Side 10mm	0.584	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.667	0.822	0.724	0.764	0.747	0.788	0.713
	Ant.4	Back Side 10mm	0.832	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.924	1.112	0.990	1.064	1.063	1.080	1.020
	Ant.4	Left Edge 10mm	0.424	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.441	0.668	0.613	0.533	0.685	0.684	0.635
	Ant.4	Bottom Edge 10mm	1.189	0.006	0.006	0.015	0.026	0.008	0.007	0.006	1.194	1.201	1.204	1.220	1.202	1.201	1.202
LTE B12	Ant.0	Front Side 10mm	0.397	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.480	0.635	0.537	0.577	0.560	0.601	0.526
	Ant.0	Back Side 10mm	0.456	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.549	0.736	0.614	0.688	0.688	0.704	0.644
	Ant.0	Right Edge 10mm	0.598	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.605	0.613	0.605	0.641	0.613	0.617	0.613
	Ant.0	Top Edge 10mm	0.034	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.187	0.348	0.234	0.547	0.363	0.576	0.216
LTE B12	Ant.1	Front Side 10mm	0.117	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.200	0.355	0.257	0.297	0.280	0.321	0.246
	Ant.1	Back Side 10mm	0.146	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.239	0.426	0.304	0.378	0.378	0.395	0.334
	Ant.1	Left Edge 10mm	0.071	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.088	0.314	0.260	0.180	0.332	0.331	0.282
	Ant.1	Right Edge 10mm	0.012	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.018	0.026	0.018	0.054	0.026	0.031	0.026
	Ant.1	Bottom Edge 10mm	0.072	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.078	0.084	0.087	0.103	0.086	0.084	0.086
LTE B26	Ant.0	Front Side 10mm	0.484	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.567	0.721	0.623	0.663	0.646	0.687	0.613
	Ant.0	Back Side 10mm	0.568	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.661	0.848	0.726	0.800	0.800	0.817	0.756
	Ant.0	Right Edge 10mm	0.902	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.909	0.916	0.908	0.944	0.917	0.921	0.916
	Ant.0	Top Edge 10mm	0.039	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.192	0.353	0.239	0.552	0.368	0.580	0.221
LTE B26	Ant.1	Front Side 10mm	0.240	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.323	0.478	0.380	0.420	0.402	0.444	0.369
	Ant.1	Back Side 10mm	0.317	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.410	0.597	0.475	0.549	0.549	0.565	0.505
	Ant.1	Left Edge 10mm	0.292	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.309	0.536	0.481	0.402	0.554	0.553	0.504

	Ant.1	Right Edge 10mm	0.075	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.082	0.090	0.082	0.118	0.090	0.094	0.090
	Ant.1	Bottom Edge 10mm	0.177	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.183	0.189	0.192	0.208	0.191	0.189	0.191
LTE B66	Ant.3	Front Side 10mm	0.147	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.230	0.384	0.286	0.326	0.309	0.350	0.276
	Ant.3	Back Side 10mm	0.242	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.335	0.522	0.401	0.475	0.474	0.491	0.431
	Ant.3	Right Edge 10mm	0.025	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.031	0.039	0.031	0.067	0.039	0.044	0.039
	Ant.3	Top Edge 10mm	0.310	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.463	0.624	0.509	0.823	0.639	0.851	0.491
LTE B66	Ant.4	Front Side 10mm	0.476	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.559	0.713	0.615	0.655	0.638	0.679	0.605
	Ant.4	Back Side 10mm	0.597	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.690	0.877	0.755	0.829	0.829	0.846	0.786
	Ant.4	Left Edge 10mm	0.517	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.534	0.761	0.706	0.626	0.779	0.778	0.729
	Ant.4	Bottom Edge 10mm	1.002	0.006	0.006	0.015	0.026	0.008	0.007	0.006	1.007	1.013	1.017	1.033	1.015	1.014	1.015
LTE B38	Ant.3	Front Side 10mm	0.237	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.320	0.474	0.376	0.416	0.399	0.440	0.366
	Ant.3	Back Side 10mm	0.383	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.476	0.663	0.542	0.615	0.615	0.632	0.572
	Ant.3	Right Edge 10mm	0.141	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.148	0.156	0.147	0.183	0.156	0.160	0.155
	Ant.3	Top Edge 10mm	0.713	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.866	1.027	0.913	1.226	1.042	1.254	0.895
LTE B38	Ant.4	Front Side 10mm	0.481	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.564	0.719	0.621	0.661	0.644	0.685	0.610
	Ant.4	Back Side 10mm	0.644	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.736	0.923	0.802	0.876	0.875	0.892	0.832
	Ant.4	Left Edge 10mm	0.285	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.302	0.529	0.474	0.394	0.546	0.546	0.497
	Ant.4	Bottom Edge 10mm	0.728	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.733	0.739	0.743	0.759	0.741	0.740	0.741
LTE B41	Ant.3	Front Side 10mm	0.237	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.320	0.474	0.377	0.417	0.399	0.440	0.366
	Ant.3	Back Side 10mm	0.355	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.447	0.635	0.513	0.587	0.586	0.603	0.543
	Ant.3	Right Edge 10mm	0.070	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.077	0.084	0.076	0.112	0.085	0.089	0.084
	Ant.3	Top Edge 10mm	0.744	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.898	1.059	0.944	1.257	1.074	1.286	0.926
LTE B41	Ant.4	Front Side 10mm	0.428	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.511	0.666	0.568	0.608	0.590	0.632	0.557
	Ant.4	Back Side 10mm	0.632	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.724	0.912	0.790	0.864	0.863	0.880	0.820
	Ant.4	Left Edge 10mm	0.235	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.251	0.478	0.424	0.344	0.496	0.495	0.446
	Ant.4	Bottom Edge 10mm	0.594	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.600	0.606	0.609	0.626	0.608	0.606	0.608
5G N5	Ant.0	Front Side 10mm	0.442	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.525	0.679	0.581	0.621	0.604	0.645	0.571
	Ant.0	Back Side 10mm	0.540	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.633	0.820	0.699	0.773	0.772	0.789	0.729
	Ant.0	Right Edge 10mm	0.724	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.731	0.739	0.730	0.766	0.739	0.743	0.738
	Ant.0	Top Edge 10mm	0.048	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.202	0.363	0.248	0.561	0.377	0.590	0.230
5G N5	Ant.1	Front Side 10mm	0.075	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.158	0.313	0.215	0.255	0.237	0.279	0.204
	Ant.1	Back Side 10mm	0.092	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.184	0.371	0.250	0.324	0.323	0.340	0.280
	Ant.1	Left Edge 10mm	0.082	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.098	0.325	0.271	0.191	0.343	0.342	0.293
	Ant.1	Right Edge 10mm	0.023	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.030	0.037	0.029	0.065	0.038	0.042	0.037
	Ant.1	Bottom Edge 10mm	0.150	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.156	0.162	0.165	0.182	0.164	0.162	0.164
5G N7	Ant.3	Front Side 10mm	0.220	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.303	0.457	0.359	0.399	0.382	0.423	0.349
	Ant.3	Back Side 10mm	0.357	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.450	0.637	0.515	0.589	0.589	0.605	0.545
	Ant.3	Right Edge 10mm	0.092	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.099	0.106	0.098	0.134	0.107	0.111	0.106
	Ant.3	Top Edge 10mm	0.705	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.859	1.020	0.905	1.219	1.035	1.247	0.887
5G N7	Ant.4	Front Side 10mm	0.233	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.316	0.470	0.372	0.412	0.395	0.436	0.362
	Ant.4	Back Side 10mm	0.308	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.401	0.588	0.466	0.541	0.540	0.557	0.497
	Ant.4	Left Edge 10mm	0.066	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.083	0.310	0.255	0.175	0.327	0.327	0.278
	Ant.4	Bottom Edge 10mm	0.512	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.517	0.524	0.527	0.543	0.526	0.524	0.525
5G N38	Ant.3	Front Side 10mm	0.255	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.338	0.493	0.395	0.435	0.418	0.459	0.384
	Ant.3	Back Side 10mm	0.423	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.516	0.703	0.581	0.655	0.655	0.672	0.611

	Ant.3	Right Edge 10mm	0.077	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.084	0.091	0.083	0.119	0.092	0.096	0.091
	Ant.3	Top Edge 10mm	0.816	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.969	1.130	1.015	1.329	1.145	1.357	0.998
5G N38	Ant.4	Front Side 10mm	0.211	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.294	0.448	0.351	0.391	0.373	0.415	0.340
	Ant.4	Back Side 10mm	0.222	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.314	0.501	0.380	0.454	0.453	0.470	0.410
	Ant.4	Left Edge 10mm	0.075	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.092	0.319	0.264	0.184	0.336	0.335	0.286
	Ant.4	Bottom Edge 10mm	0.614	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.619	0.626	0.629	0.645	0.628	0.626	0.627
5G N41	Ant.3	Front Side 10mm	0.292	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.375	0.529	0.431	0.471	0.454	0.495	0.421
	Ant.3	Back Side 10mm	0.467	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.560	0.747	0.625	0.699	0.699	0.715	0.655
	Ant.3	Right Edge 10mm	0.121	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.128	0.135	0.127	0.163	0.136	0.140	0.135
	Ant.3	Top Edge 10mm	0.854	0.154	0.014	0.200	0.212	0.028	0.241	0.301	1.007	1.168	1.054	1.367	1.183	1.396	1.036
5G N41	Ant.4	Front Side 10mm	0.253	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.336	0.491	0.393	0.433	0.416	0.457	0.382
	Ant.4	Back Side 10mm	0.287	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.380	0.567	0.445	0.519	0.519	0.536	0.476
	Ant.4	Left Edge 10mm	0.086	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.103	0.330	0.275	0.195	0.347	0.346	0.297
	Ant.4	Bottom Edge 10mm	0.418	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.423	0.429	0.433	0.449	0.431	0.430	0.431

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

13.2.8 Hotspot Simultaneous Transmission SAR Evaluation for EN-DC Mode with WLAN and Bluetooth

EN-DC Configuration	LTE Ant.	NR Ant.	Position	Stand alone SAR									SUM SAR						
				1	2	3	4	5	6	7	8	9	Sum	Sum	Sum	Sum	Sum	Sum	Sum
				LTE	NR	2.4G WIFI (Ant.7)	2.4G WIFI (Ant.2)	2.4G WIFI (Ant.2 &7)	MAX. 5GWI FI (Ant.8)	MAX. 5GWI FI (Ant.2)	MAX. 5GWI FI (Ant.2 &8)	Bluetooth	(1+2+3)	(1+2+4+9)	(1+2+5)	(1+2+6+9)	(1+2+7+9)	(1+2+8+9)	(1+2+3+7)
DC_7A_n5A	Ant.3	Ant.0	Front Side 10mm	0.134	0.171	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.388	0.543	0.445	0.485	0.467	0.508	0.434
			Back Side 10mm	0.202	0.205	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.500	0.687	0.565	0.639	0.639	0.655	0.595
			Left Edge 10mm	0.000	0.000	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.017	0.244	0.189	0.109	0.261	0.261	0.212
			Right Edge 10mm	0.050	0.299	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.355	0.363	0.355	0.391	0.363	0.368	0.363
			Top Edge 10mm	0.412	0.019	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.585	0.746	0.632	0.944	0.761	0.973	0.614
			Bottom Edge 10mm	0.000	0.000	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.006	0.012	0.015	0.031	0.014	0.012	0.014
DC_7A_n5A	Ant.5	Ant.0	Front Side 10mm	0.222	0.171	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.476	0.631	0.533	0.573	0.555	0.597	0.522
			Back Side 10mm	0.326	0.205	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.624	0.812	0.690	0.764	0.763	0.780	0.720
			Left Edge 10mm	0.000	0.000	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.017	0.244	0.189	0.109	0.261	0.261	0.212
			Right Edge 10mm	0.428	0.299	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.734	0.742	0.734	0.770	0.742	0.746	0.742
			Top Edge 10mm	0.089	0.019	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.262	0.423	0.309	0.621	0.438	0.650	0.291
			Bottom Edge 10mm	0.000	0.000	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.006	0.012	0.015	0.031	0.014	0.012	0.014
DC_7A_n5A	Ant.3	Ant.1	Front Side 10mm	0.134	0.069	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.286	0.441	0.343	0.383	0.366	0.407	0.332
			Back Side 10mm	0.202	0.085	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.379	0.566	0.445	0.518	0.518	0.535	0.475
			Left Edge 10mm	0.000	0.082	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.098	0.326	0.271	0.191	0.343	0.342	0.293
			Right Edge 10mm	0.050	0.021	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.078	0.085	0.077	0.113	0.086	0.090	0.085
			Top Edge 10mm	0.412	0.000	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.566	0.726	0.612	0.925	0.741	0.954	0.594
			Bottom Edge 10mm	0.000	0.139	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.145	0.151	0.154	0.170	0.153	0.151	0.153
DC_7A_n5A	Ant.5	Ant.1	Front Side 10mm	0.222	0.069	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.374	0.529	0.431	0.471	0.454	0.495	0.420
			Back Side 10mm	0.326	0.085	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.504	0.691	0.569	0.643	0.642	0.659	0.599
			Left Edge 10mm	0.000	0.082	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.098	0.326	0.271	0.191	0.343	0.342	0.293
			Right Edge 10mm	0.428	0.021	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.456	0.464	0.456	0.492	0.464	0.469	0.464
			Top Edge 10mm	0.089	0.000	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.243	0.403	0.289	0.602	0.418	0.631	0.271
			Bottom Edge 10mm	0.000	0.139	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.145	0.151	0.154	0.170	0.153	0.151	0.153
DC_5A_n7A	Ant.0	Ant.3	Front Side 10mm	0.156	0.090	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.329	0.483	0.385	0.425	0.408	0.449	0.375
			Back Side 10mm	0.184	0.150	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.427	0.614	0.492	0.566	0.566	0.582	0.522
			Left Edge 10mm	0.000	0.000	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.017	0.244	0.189	0.109	0.261	0.261	0.212
			Right Edge 10mm	0.266	0.039	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.312	0.320	0.312	0.348	0.320	0.325	0.320
			Top Edge 10mm	0.057	0.289	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.500	0.660	0.546	0.859	0.675	0.888	0.528
			Bottom Edge 10mm	0.000	0.000	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.006	0.012	0.015	0.031	0.014	0.012	0.014
DC_5A_n7A	Ant.1	Ant.3	Front Side 10mm	0.048	0.090	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.221	0.376	0.277	0.318	0.300	0.341	0.267
			Back Side 10mm	0.059	0.150	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.302	0.489	0.368	0.442	0.441	0.458	0.398
			Left Edge 10mm	0.247	0.000	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.264	0.491	0.436	0.356	0.508	0.507	0.459
			Right Edge 10mm	0.033	0.039	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.079	0.087	0.078	0.114	0.087	0.091	0.087
			Top Edge 10mm	0.000	0.289	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.443	0.603	0.489	0.802	0.618	0.831	0.471
			Bottom Edge 10mm	0.130	0.000	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.136	0.142	0.145	0.162	0.144	0.143	0.144

DC_5A_n7A	Ant.0	Ant.5	Front Side 10mm	0.156	0.108	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.347	0.501	0.403	0.443	0.426	0.467	0.393
			Back Side 10mm	0.184	0.157	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.434	0.621	0.499	0.573	0.573	0.590	0.530
			Left Edge 10mm	0.000	0.000	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.017	0.244	0.189	0.109	0.261	0.261	0.212
			Right Edge 10mm	0.266	0.229	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.502	0.510	0.502	0.538	0.511	0.515	0.510
			Top Edge 10mm	0.057	0.034	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.245	0.405	0.291	0.604	0.420	0.633	0.273
			Bottom Edge 10mm	0.000	0.000	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.006	0.012	0.015	0.031	0.014	0.012	0.014
DC_5A_n7A	Ant.1	Ant.5	Front Side 10mm	0.048	0.108	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.239	0.394	0.296	0.336	0.318	0.359	0.285
			Back Side 10mm	0.059	0.157	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.309	0.497	0.375	0.449	0.448	0.465	0.405
			Left Edge 10mm	0.247	0.000	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.264	0.491	0.436	0.356	0.508	0.507	0.459
			Right Edge 10mm	0.033	0.229	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.269	0.277	0.269	0.305	0.277	0.281	0.277
			Top Edge 10mm	0.000	0.034	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.188	0.348	0.234	0.547	0.363	0.575	0.216
			Bottom Edge 10mm	0.130	0.000	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.136	0.142	0.145	0.162	0.144	0.143	0.144
DC_7A_n66 A	Ant.5	Ant.3	Front Side 10mm	0.176	0.102	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.361	0.515	0.417	0.457	0.440	0.481	0.407
			Back Side 10mm	0.249	0.164	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.506	0.693	0.571	0.645	0.645	0.662	0.602
			Left Edge 10mm	0.000	0.000	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.017	0.244	0.189	0.109	0.261	0.261	0.212
			Right Edge 10mm	0.358	0.014	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.379	0.387	0.379	0.415	0.387	0.392	0.387
			Top Edge 10mm	0.069	0.256	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.479	0.640	0.526	0.838	0.655	0.867	0.508
			Bottom Edge 10mm	0.000	0.000	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.006	0.012	0.015	0.031	0.014	0.012	0.014
DC_7A_n66 A	Ant.7	Ant.3	Front Side 10mm	0.059	0.102	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.244	0.399	0.301	0.341	0.324	0.365	0.290
			Back Side 10mm	0.061	0.164	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.317	0.505	0.383	0.457	0.456	0.473	0.413
			Left Edge 10mm	0.073	0.000	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.089	0.317	0.262	0.182	0.334	0.333	0.284
			Right Edge 10mm	0.000	0.014	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.021	0.029	0.020	0.056	0.029	0.033	0.029
			Top Edge 10mm	0.106	0.256	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.515	0.676	0.562	0.875	0.691	0.903	0.544
			Bottom Edge 10mm	0.000	0.000	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.006	0.012	0.015	0.031	0.014	0.012	0.014
DC_7A_n66 A	Ant.5	Ant.4	Front Side 10mm	0.176	0.167	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.426	0.581	0.483	0.523	0.505	0.546	0.472
			Back Side 10mm	0.249	0.225	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.567	0.754	0.632	0.706	0.706	0.722	0.662
			Left Edge 10mm	0.000	0.664	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.681	0.909	0.854	0.774	0.926	0.925	0.876
			Right Edge 10mm	0.358	0.000	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.365	0.373	0.365	0.401	0.373	0.377	0.373
			Top Edge 10mm	0.069	0.000	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.223	0.384	0.270	0.583	0.399	0.611	0.252
			Bottom Edge 10mm	0.000	0.347	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.352	0.358	0.362	0.378	0.360	0.359	0.360
DC_7A_n66 A	Ant.7	Ant.4	Front Side 10mm	0.059	0.167	0.083	0.121	0.140	0.063	0.046	0.087	0.116	0.310	0.464	0.366	0.406	0.389	0.430	0.356
			Back Side 10mm	0.061	0.225	0.093	0.144	0.158	0.096	0.096	0.112	0.136	0.378	0.565	0.444	0.517	0.517	0.534	0.474
			Left Edge 10mm	0.073	0.664	0.017	0.177	0.189	0.043	0.195	0.194	0.067	0.754	0.981	0.926	0.846	0.998	0.998	0.949
			Right Edge 10mm	0.000	0.000	0.007	0.007	0.006	0.035	0.008	0.012	0.007	0.007	0.015	0.006	0.042	0.015	0.019	0.014
			Top Edge 10mm	0.106	0.000	0.154	0.014	0.200	0.212	0.028	0.241	0.301	0.259	0.420	0.306	0.619	0.435	0.647	0.288
			Bottom Edge 10mm	0.000	0.347	0.006	0.006	0.015	0.026	0.008	0.007	0.006	0.352	0.358	0.362	0.378	0.360	0.359	0.360

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.

13.2.9 Hotspot Simultaneous Transmission SAR Evaluation for EN-DC Mode

EN-DC Configuratioin	LTE Ant.	NR Ant.	Position	Stand alone SAR		SUM SAR
				1	2	Sum SAR
				LTE	NR	(1+2)
DC_7A_n5A	Ant.3	Ant.0	Front Side 10mm	0.134	0.171	0.305
			Back Side 10mm	0.202	0.205	0.407
			Left Edge 10mm	0.000	0.000	0.000
			Right Edge 10mm	0.050	0.299	0.349
			Top Edge 10mm	0.412	0.019	0.431
			Bottom Edge 10mm	0.000	0.000	0.000
DC_7A_n5A	Ant.5	Ant.0	Front Side 10mm	0.222	0.171	0.393
			Back Side 10mm	0.326	0.205	0.531
			Left Edge 10mm	0.000	0.000	0.000
			Right Edge 10mm	0.428	0.299	0.727
			Top Edge 10mm	0.089	0.019	0.108
			Bottom Edge 10mm	0.000	0.000	0.000
DC_7A_n5A	Ant.3	Ant.1	Front Side 10mm	0.134	0.069	0.203
			Back Side 10mm	0.202	0.085	0.286
			Left Edge 10mm	0.000	0.082	0.082
			Right Edge 10mm	0.050	0.021	0.071
			Top Edge 10mm	0.412	0.000	0.412
			Bottom Edge 10mm	0.000	0.139	0.139
DC_7A_n5A	Ant.5	Ant.1	Front Side 10mm	0.222	0.069	0.291
			Back Side 10mm	0.326	0.085	0.411
			Left Edge 10mm	0.000	0.082	0.082
			Right Edge 10mm	0.428	0.021	0.450
			Top Edge 10mm	0.089	0.000	0.089
			Bottom Edge 10mm	0.000	0.139	0.139
DC_5A_n7A	Ant.0	Ant.3	Front Side 10mm	0.156	0.090	0.246
			Back Side 10mm	0.184	0.150	0.334
			Left Edge 10mm	0.000	0.000	0.000
			Right Edge 10mm	0.266	0.039	0.306
			Top Edge 10mm	0.057	0.289	0.346
			Bottom Edge 10mm	0.000	0.000	0.000
DC_5A_n7A	Ant.1	Ant.3	Front Side 10mm	0.048	0.090	0.138
			Back Side 10mm	0.059	0.150	0.209
			Left Edge 10mm	0.247	0.000	0.247
			Right Edge 10mm	0.033	0.039	0.072
			Top Edge 10mm	0.000	0.289	0.289
			Bottom Edge 10mm	0.130	0.000	0.130
DC_5A_n7A	Ant.0	Ant.5	Front Side 10mm	0.156	0.108	0.264
			Back Side 10mm	0.184	0.157	0.341
			Left Edge 10mm	0.000	0.000	0.000

			Right Edge 10mm	0.266	0.229	0.496
			Top Edge 10mm	0.057	0.034	0.091
			Bottom Edge 10mm	0.000	0.000	0.000
DC_5A_n7A	Ant.1	Ant.5	Front Side 10mm	0.048	0.108	0.156
			Back Side 10mm	0.059	0.157	0.217
			Left Edge 10mm	0.247	0.000	0.247
			Right Edge 10mm	0.033	0.229	0.262
			Top Edge 10mm	0.000	0.034	0.034
			Bottom Edge 10mm	0.130	0.000	0.130
DC_7A_n66A	Ant.5	Ant.3	Front Side 10mm	0.176	0.102	0.278
			Back Side 10mm	0.249	0.164	0.413
			Left Edge 10mm	0.000	0.000	0.000
			Right Edge 10mm	0.358	0.014	0.373
			Top Edge 10mm	0.069	0.256	0.325
			Bottom Edge 10mm	0.000	0.000	0.000
DC_7A_n66A	Ant.7	Ant.3	Front Side 10mm	0.059	0.102	0.161
			Back Side 10mm	0.061	0.164	0.225
			Left Edge 10mm	0.073	0.000	0.073
			Right Edge 10mm	0.000	0.014	0.014
			Top Edge 10mm	0.106	0.256	0.362
			Bottom Edge 10mm	0.000	0.000	0.000
DC_7A_n66A	Ant.5	Ant.4	Front Side 10mm	0.176	0.167	0.343
			Back Side 10mm	0.249	0.225	0.474
			Left Edge 10mm	0.000	0.664	0.664
			Right Edge 10mm	0.358	0.000	0.358
			Top Edge 10mm	0.069	0.000	0.069
			Bottom Edge 10mm	0.000	0.347	0.347
DC_7A_n66A	Ant.7	Ant.4	Front Side 10mm	0.059	0.167	0.226
			Back Side 10mm	0.061	0.225	0.285
			Left Edge 10mm	0.073	0.664	0.737
			Right Edge 10mm	0.000	0.000	0.000
			Top Edge 10mm	0.106	0.000	0.106
			Bottom Edge 10mm	0.000	0.347	0.347

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

13.2.10 Specific Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Position	Stand alone SAR				SUM SAR		
	1	2	3	4	Sum SAR	Sum SAR	Sum SAR
	WWAN	MAX.5GWIFI (Ant.8)	MAX.5GWIFI (Ant.2)	MAX.5GWIFI (Ant.2&8)	(1+2)	(1+3)	(1+4)
Bottom Edge 0mm	0.833	0.024	0.089	0.084	0.857	0.922	0.917
Bottom Edge 0mm	2.463	0.024	0.089	0.084	2.487	2.552	2.547

Note:
1: The highest Summed 10g SAR is 2.552 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

14 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
Test Software	Speag	DASY4	V4.7 Build 80	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1201	2020/11/11	2023/11/10
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2019/06/11	2022/06/10
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2018/09/13	2021/09/12
1900MHz Validation Dipole	Speag	D1900V2	SN: 5d193	2019/06/11	2022/06/10
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2019/06/10	2022/06/09
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2018/11/05	2021/11/04
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2020/02/17	2023/02/16
E-Field Probe	Speag	EX3DV4	SN: 7510	2020/11/30	2021/11/29
E-Field Probe	Speag	EX3DV4	SN: 7607	2020/08/07	2021/08/06
Data Acquisition Electronics	Speag	DAE4	SN: 1454	2020/11/06	2021/11/05
Data Acquisition Electronics	Speag	DAE4	SN: 878	2020/09/30	2021/09/29
Signal Generator	R&S	SMB100A	182396	2020/12/21	2021/12/20
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2020/09/25	2021/09/24
Power Sensor	R&S	NRV-Z4	100381	2020/09/25	2021/09/24
Power Sensor	R&S	NRV-Z2	100211	2020/09/25	2021/09/24
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2021/03/16	2022/03/15
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2021/03/16	2022/03/15
Network Analyzer	Agilent	E5071B	MY42404001	2021/04/01	2022/03/31
Thermometer	Elitech	RC-4HC	N/A	2020/09/29	2021/09/28
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	SATIMO	SCLMP	SN 25/13 OCPG56	N/A	N/A
Phantom1(DASY5)	Speag	SAM	SN: 1859	N/A	N/A
Phantom2(DASY5)	Speag	SAM	SN: 1857	N/A	N/A
Phantom3(DASY4)	Speag	SAM	SN: 1392	N/A	N/A
Phantom4(DASY4)	Speag	SAM	SN: 1402	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

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

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

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

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

Head Liquid

Date	Test System	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 (%)
2021.05.26	DASY4	Head	750	21.7	0.90	41.73	0.89	41.94	1.12	-0.50
2021.05.27	DASY4	Head	835	21.5	0.91	41.84	0.90	41.50	1.11	0.82
2021.05.28	DASY4	Head	835	21.7	0.89	41.83	0.90	41.50	-1.11	0.80
2021.05.29	DASY4	Head	835	21.6	0.89	41.62	0.90	41.50	-1.11	0.29
2021.05.30	DASY4	Head	835	21.4	0.88	41.46	0.90	41.50	-2.22	-0.10
2021.05.31	DASY4	Head	835	21.5	0.89	41.70	0.90	41.50	-1.11	0.48
2021.06.01	DASY4	Head	835	21.3	0.90	41.59	0.90	41.50	0.00	0.22
2021.06.02	DASY4	Head	835	21.4	0.89	41.38	0.90	41.50	-1.11	-0.29
2021.06.03	DASY4	Head	835	21.6	0.90	41.51	0.90	41.50	0.00	0.02
2021.06.04	DASY4	Head	1750	21.4	1.39	40.31	1.37	40.08	1.46	0.57
2021.06.05	DASY4	Head	1750	21.4	1.39	40.16	1.37	40.08	1.46	0.20
2021.06.06	DASY4	Head	1750	21.4	1.39	40.26	1.37	40.08	1.46	0.45
2021.06.07	DASY4	Head	1750	21.6	1.39	40.15	1.37	40.08	1.46	0.17
2021.06.08	DASY4	Head	1750	21.4	1.38	40.37	1.37	40.08	0.73	0.72
2021.06.09	DASY4	Head	1750	21.5	1.39	40.09	1.37	40.08	1.46	0.02
2021.06.10	DASY4	Head	1750	21.6	1.39	40.23	1.37	40.08	1.46	0.37
2021.06.11	DASY4	Head	1900	21.4	1.41	40.24	1.40	40.00	0.71	0.60
2021.06.12	DASY4	Head	1900	21.3	1.41	40.12	1.40	40.00	0.71	0.30
2021.06.13	DASY4	Head	1900	21.3	1.41	39.92	1.40	40.00	0.71	-0.20
2021.06.14	DASY4	Head	1900	21.4	1.41	40.05	1.40	40.00	0.71	0.12
2021.05.31	DASY5	Head	2450	21.6	1.79	39.13	1.80	39.20	-0.56	-0.18
2021.06.15	DASY5	Head	2450	21.2	1.79	39.48	1.80	39.20	-0.56	0.71
2021.05.27	DASY5	Head	2600	21.3	1.99	39.16	1.96	39.01	1.53	0.38
2021.05.28	DASY5	Head	2600	21.8	1.99	39.17	1.96	39.01	1.53	0.41
2021.05.29	DASY5	Head	2600	21.4	1.99	38.98	1.96	39.01	1.53	-0.08
2021.05.30	DASY5	Head	2600	21.5	1.99	39.09	1.96	39.01	1.53	0.21
2021.06.13	DASY5	Head	2600	21.4	1.99	39.38	1.96	39.01	1.53	0.95
2021.06.14	DASY5	Head	2600	21.4	2.00	38.39	1.96	39.01	2.04	-1.59
2021.06.01	DASY5	Head	2600	21.2	1.94	39.45	1.96	39.01	-1.02	1.13
2021.06.02	DASY5	Head	2600	21.3	1.97	39.40	1.96	39.01	0.51	1.00
2021.06.03	DASY5	Head	2600	21.5	1.95	39.08	1.96	39.01	-0.51	0.18
2021.06.04	DASY5	Head	2600	21.4	1.96	38.96	1.96	39.01	0.00	-0.13
2021.06.05	DASY5	Head	2600	21.5	1.96	39.04	1.96	39.01	0.00	0.08
2021.06.06	DASY5	Head	2600	21.3	1.95	38.76	1.96	39.01	-0.51	-0.64
2021.06.07	DASY5	Head	5200	21.4	4.63	36.48	4.66	35.99	-0.64	1.36

2021.06.08	DASY5	Head	5200	21.5	4.64	36.49	4.66	35.99	-0.43	1.39
2021.06.07	DASY5	Head	5300	21.4	4.78	36.00	4.76	35.87	0.42	0.36
2021.06.08	DASY5	Head	5300	21.5	4.79	35.98	4.76	35.87	0.63	0.31
2021.06.09	DASY5	Head	5600	21.4	5.10	35.68	5.07	35.53	0.59	0.42
2021.06.10	DASY5	Head	5600	21.5	5.10	35.90	5.07	35.53	0.59	1.04
2021.06.11	DASY5	Head	5800	21.6	5.30	35.52	5.27	35.30	0.57	0.62
2021.06.12	DASY5	Head	5800	21.5	5.29	35.68	5.27	35.30	0.38	1.08
2021.06.25	DASY5	Head	2450	21.5	1.78	39.52	1.80	39.20	-1.11	0.82
2021.06.25	DASY5	Head	5200	21.6	4.85	36.32	4.66	35.99	4.08	0.92
2021.06.25	DASY5	Head	5800	21.6	5.24	35.74	5.27	35.30	-0.57	1.25

Note: The tolerance limit of Conductivity and Permittivity is± 5%.

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Test System	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2021.05.26	DASY4	Head	750	100	0.831	8.31	8.29	0.24
2021.05.27	DASY4	Head	835	100	0.928	9.28	9.49	-2.21
2021.05.28	DASY4	Head	835	100	0.933	9.33	9.49	-1.69
2021.05.29	DASY4	Head	835	100	0.934	9.34	9.49	-1.58
2021.05.30	DASY4	Head	835	100	0.937	9.37	9.49	-1.26
2021.05.31	DASY4	Head	835	100	0.941	9.41	9.49	-0.84
2021.06.01	DASY4	Head	835	100	0.945	9.45	9.49	-0.42
2021.06.02	DASY4	Head	835	100	0.977	9.77	9.49	2.95
2021.06.03	DASY4	Head	835	100	0.981	9.81	9.49	3.37
2021.06.04	DASY4	Head	1750	100	3.510	35.10	36.80	-4.62
2021.06.05	DASY4	Head	1750	100	3.590	35.90	36.80	-2.45
2021.06.06	DASY4	Head	1750	100	3.640	36.40	36.80	-1.09
2021.06.07	DASY4	Head	1750	100	3.670	36.70	36.80	-0.27
2021.06.08	DASY4	Head	1750	100	3.740	37.40	36.80	1.63
2021.06.09	DASY4	Head	1750	100	3.810	38.10	36.80	3.53
2021.06.10	DASY4	Head	1750	100	3.820	38.20	36.80	3.80
2021.06.11	DASY4	Head	1900	100	3.850	38.50	39.40	-2.28
2021.06.12	DASY4	Head	1900	100	3.910	39.10	39.40	-0.76
2021.06.13	DASY4	Head	1900	100	3.940	39.40	39.40	0.00
2021.06.14	DASY4	Head	1900	100	4.050	40.50	39.40	2.79
2021.05.31	DASY5	Head	2450	100	5.560	55.60	52.60	5.70
2021.06.15	DASY5	Head	2450	100	5.060	50.60	52.60	-3.80
2021.05.27	DASY5	Head	2600	100	5.420	54.20	56.30	-3.73
2021.05.28	DASY5	Head	2600	100	5.450	54.50	56.30	-3.20
2021.05.29	DASY5	Head	2600	100	5.470	54.70	56.30	-2.84
2021.05.30	DASY5	Head	2600	100	5.490	54.90	56.30	-2.49
2021.06.13	DASY5	Head	2600	100	5.510	55.10	56.30	-2.13
2021.06.14	DASY5	Head	2600	100	5.550	55.50	56.30	-1.42
2021.06.01	DASY5	Head	2600	100	5.570	55.70	56.30	-1.07
2021.06.02	DASY5	Head	2600	100	5.610	56.10	56.30	-0.36
2021.06.03	DASY5	Head	2600	100	5.650	56.50	56.30	0.36
2021.06.04	DASY5	Head	2600	100	5.680	56.80	56.30	0.89
2021.06.05	DASY5	Head	2600	100	5.710	57.10	56.30	1.42
2021.06.06	DASY5	Head	2600	100	5.780	57.80	56.30	2.66
2021.06.07	DASY5	Head	5200	100	7.340	73.40	73.90	-0.68
2021.06.08	DASY5	Head	5200	100	7.440	74.40	73.90	0.68
2021.06.07	DASY5	Head	5300	100	7.510	75.10	78.10	-3.84

2021.06.08	DASY5	Head	5300	100	7.860	78.60	78.10	0.64
2021.06.09	DASY5	Head	5600	100	8.090	80.90	80.30	0.75
2021.06.10	DASY5	Head	5600	100	8.250	82.50	80.30	2.74
2021.06.11	DASY5	Head	5800	100	7.580	75.80	76.90	-1.43
2021.06.12	DASY5	Head	5800	100	7.660	76.60	76.90	-0.39
2021.06.25	DASY5	Head	2450	100	5.510	55.10	52.60	4.75
2021.06.25	DASY5	Head	5200	100	7.320	73.20	73.90	-0.95
2021.06.25	DASY5	Head	5800	100	8.220	82.20	76.90	6.89

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

Head liquid 10g

Date	Test System	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2021.06.12	DASY4	Head	1900	100	2.020	20.20	20.40	-0.98
2021.05.28	DASY5	Head	2600	100	2.390	23.90	25.10	-4.78
2021.06.08	DASY5	Head	5300	100	2.290	22.90	22.20	3.15
2021.06.10	DASY5	Head	5600	100	2.310	23.10	22.60	2.21

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

System Performance Check Data (750MHz)

Date: 2021.05.26

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

Medium parameters used (extrapolated): $f = 750 \text{ MHz}$; $\sigma = 0.895 \text{ S/m}$; $\epsilon_r = 41.731$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.31, 10.31, 10.31); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.858 W/kg

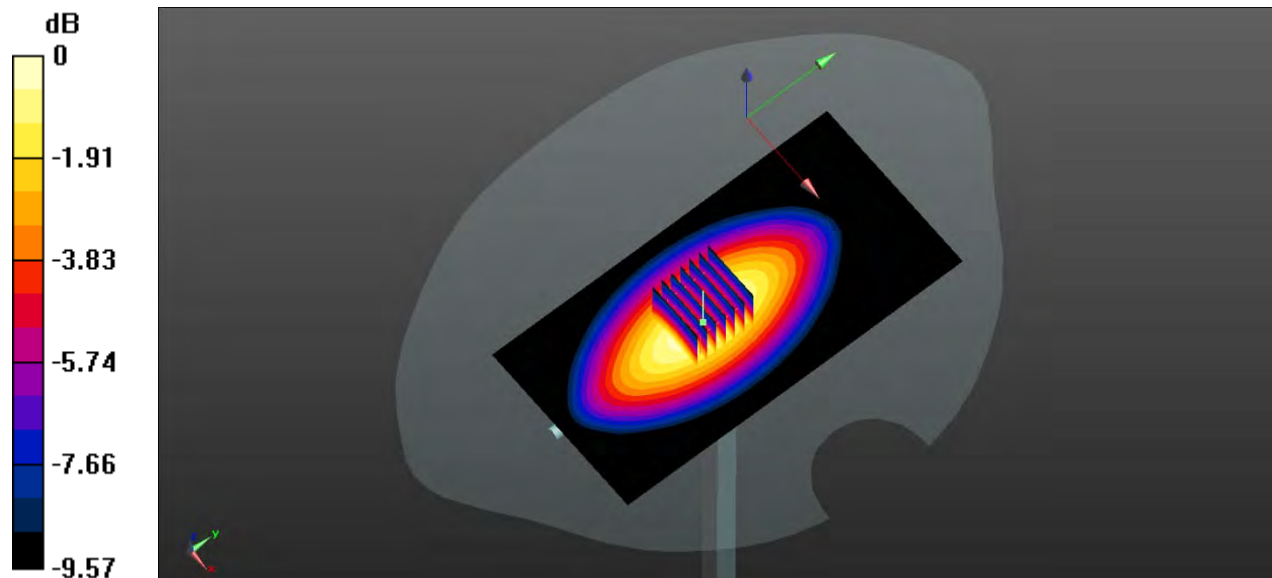
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.52 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.544 W/kg

Maximum value of SAR (measured) = 0.911 W/kg



0 dB = 0.911 W/kg

System Performance Check Data (835MHz)

Date: 2021.05.27

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 41.841$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

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

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

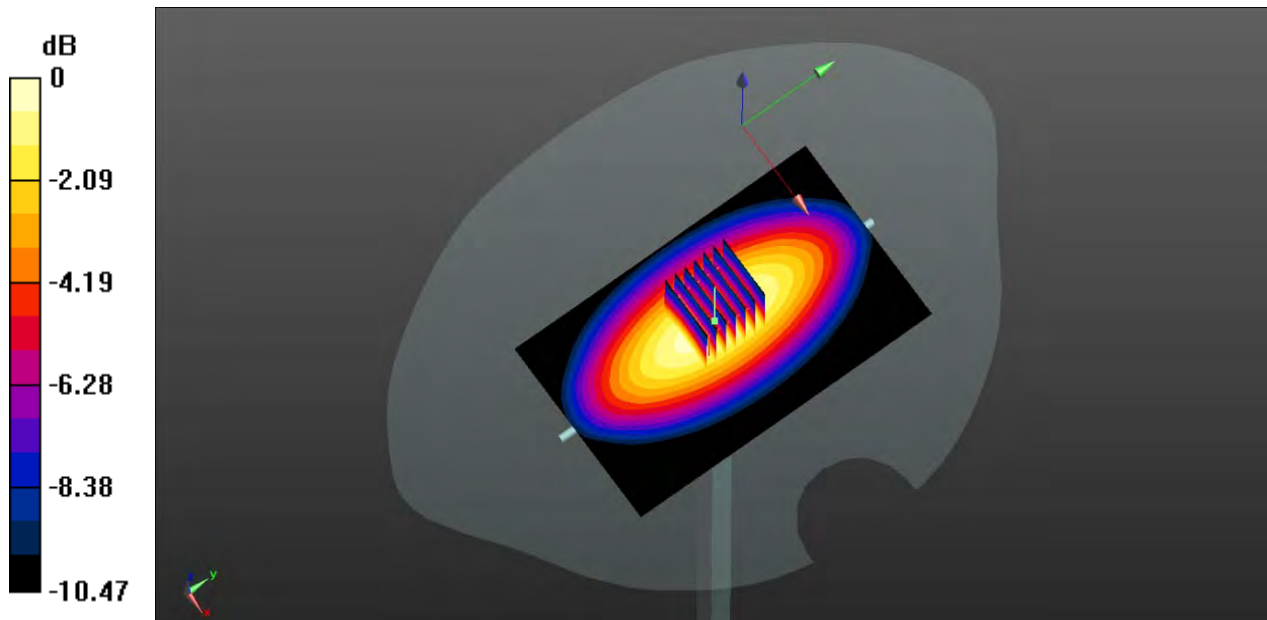
CW 835 100mW HEAD/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.18 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.928 W/kg; SAR(10 g) = 0.604 W/kg

Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg

System Performance Check Data (835MHz)

Date: 2021.05.28

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 41.831$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.8 Liquid Temperature: 21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 835 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.992 W/kg

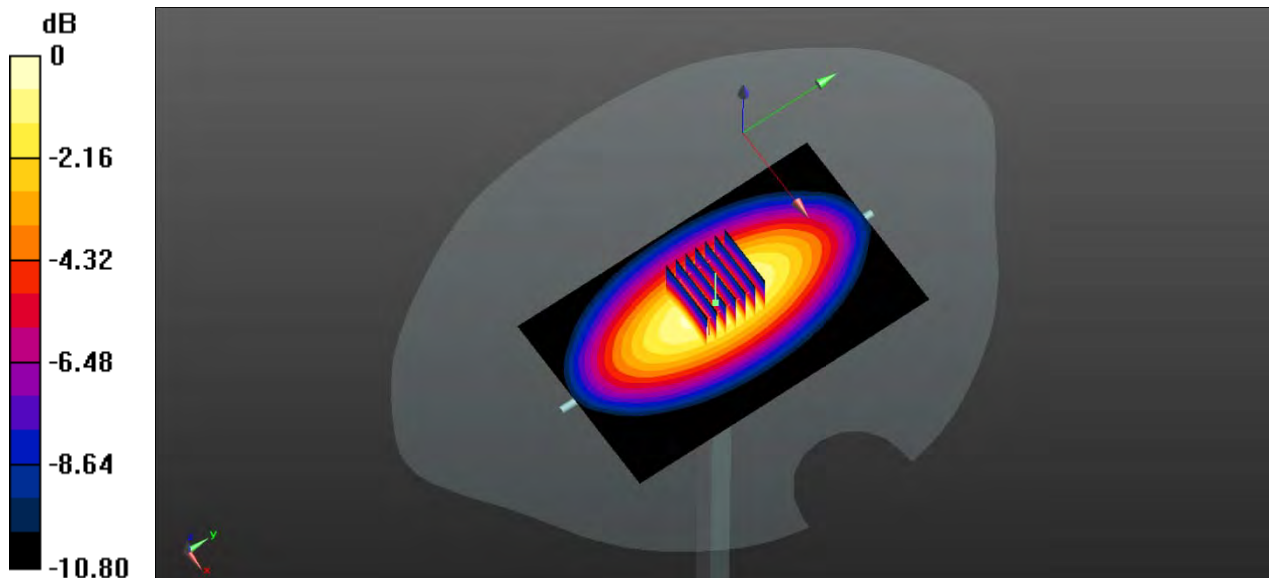
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.58 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.609 W/kg

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



0 dB = 1.15 W/kg

System Performance Check Data (835MHz)

Date: 2021.05.29

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 41.615$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 835 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

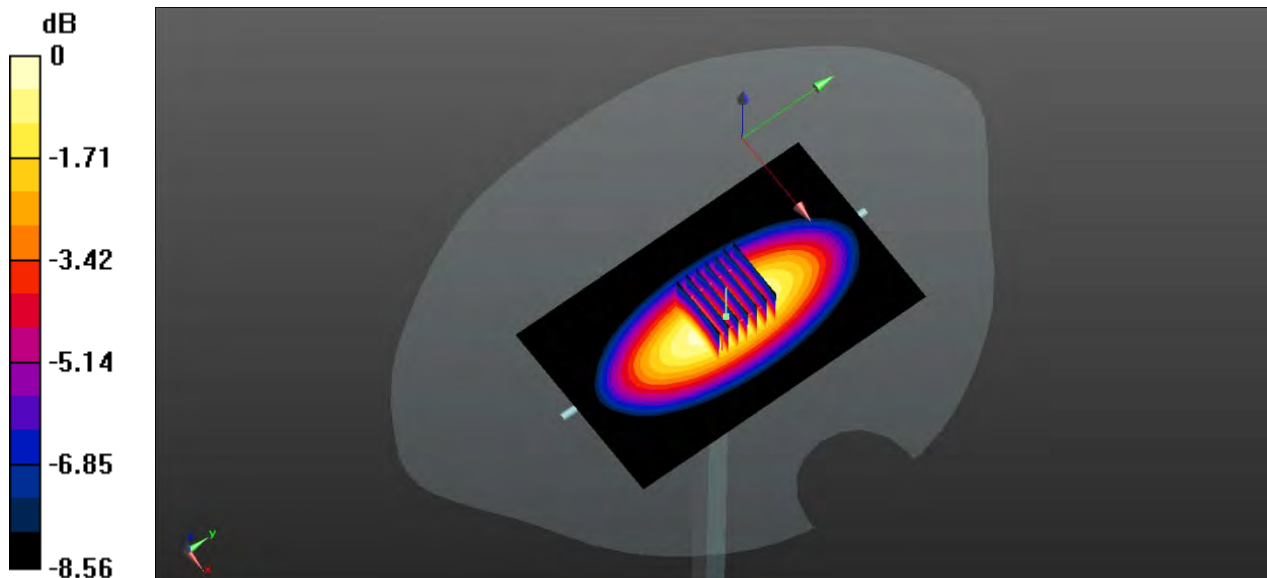
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.06 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.934 W/kg; SAR(10 g) = 0.615 W/kg

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



0 dB = 1.11 W/kg

System Performance Check Data (835MHz)

Date: 2021.05.30

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 41.463$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 835 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

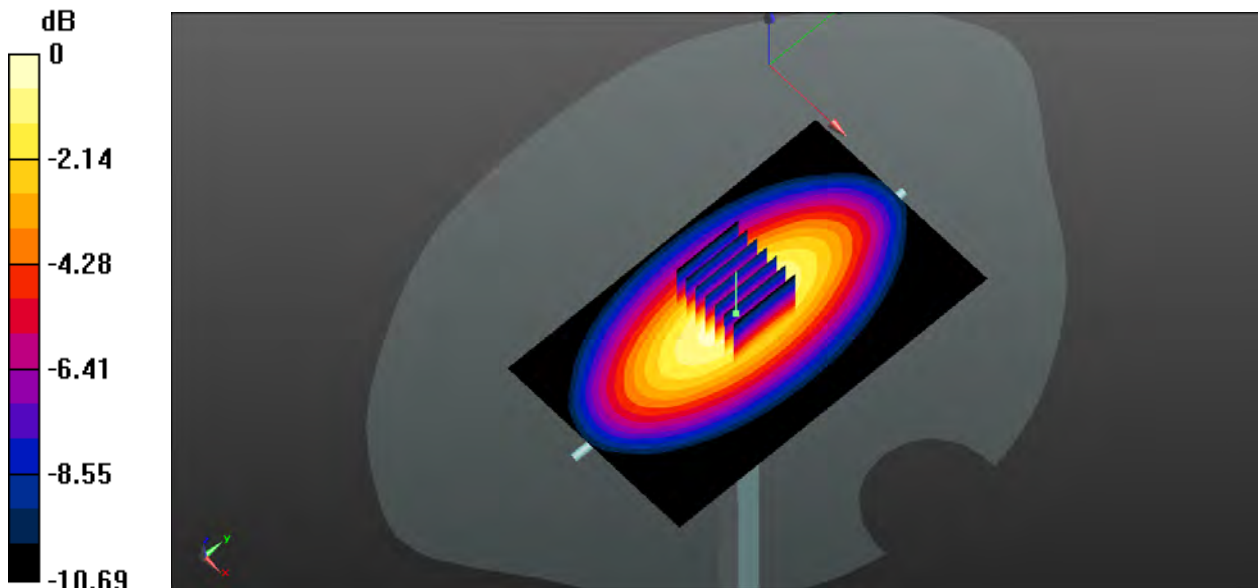
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.937 W/kg; SAR(10 g) = 0.621 W/kg

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



0 dB = 0.955 W/kg

System Performance Check Data (835MHz)

Date: 2021.05.31

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.892$ S/m; $\epsilon_r = 41.699$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 835 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

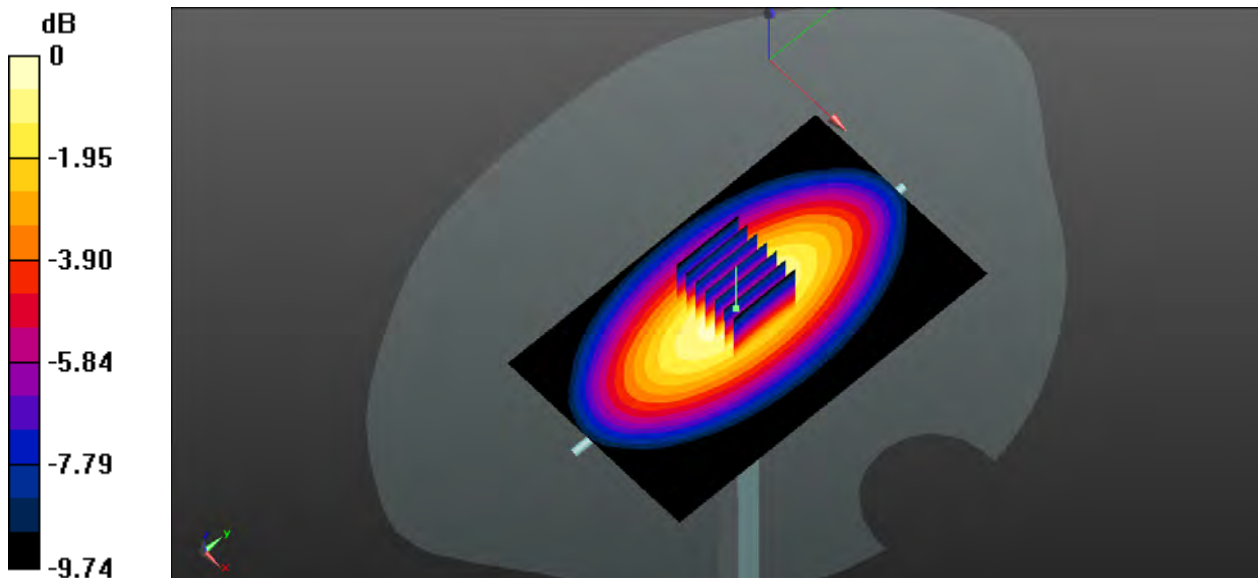
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.941 W/kg; SAR(10 g) = 0.635 W/kg

Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg

System Performance Check Data (835MHz)

Date: 2021.06.01

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 41.591$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 835 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

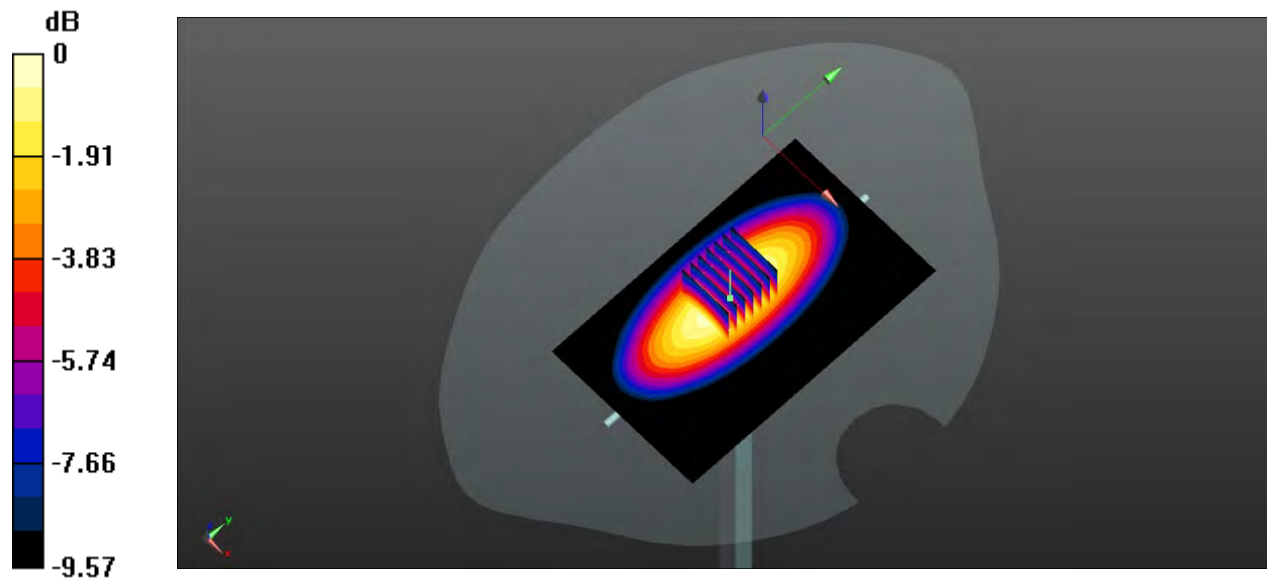
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.35 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.945 W/kg; SAR(10 g) = 0.642 W/kg

Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg

System Performance Check Data (835MHz)

Date: 2021.06.02

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.885$ S/m; $\epsilon_r = 41.382$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 835 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

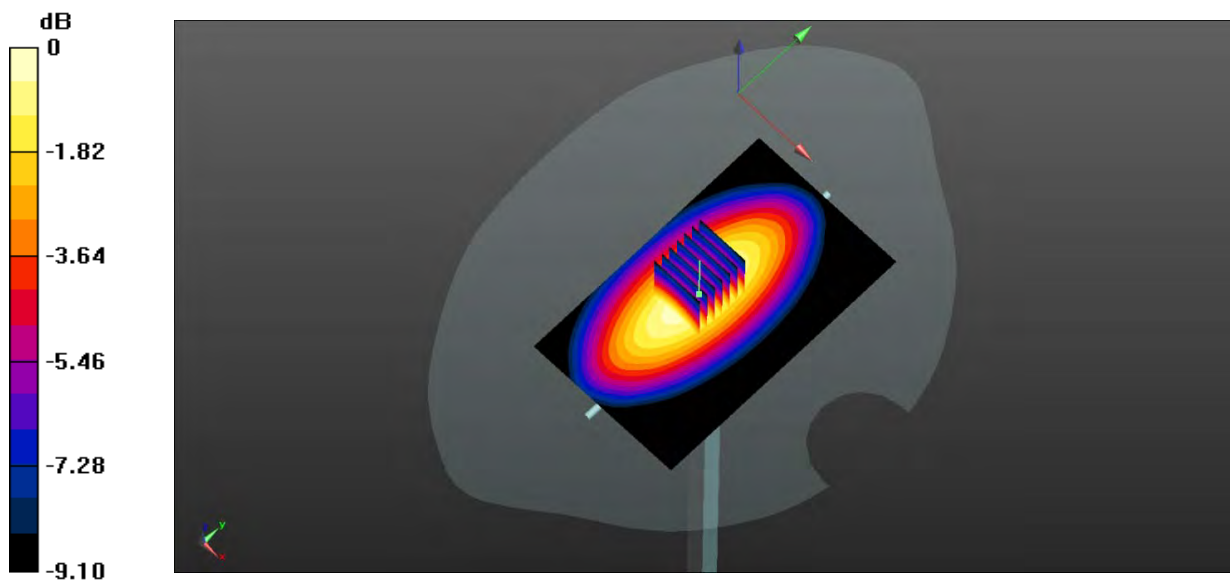
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.74 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.644 W/kg

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



0 dB = 1.15 W/kg

System Performance Check Data (835MHz)

Date: 2021.06.03

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.897 \text{ S/m}$; $\epsilon_r = 41.512$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 835 100mW/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

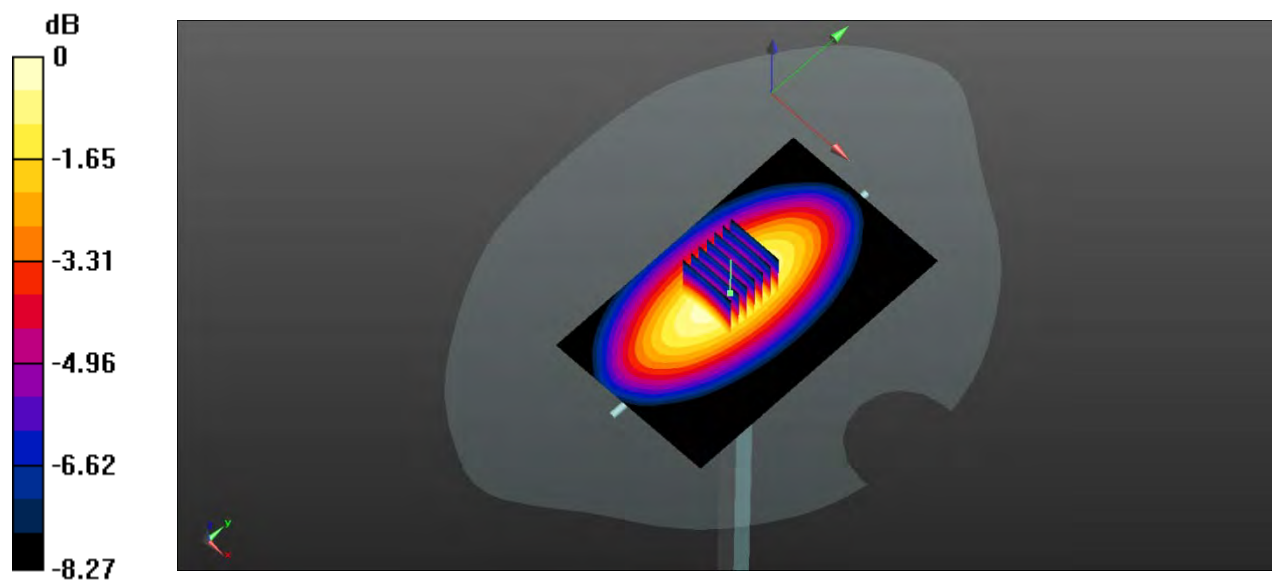
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.41 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.981 W/kg; SAR(10 g) = 0.651 W/kg

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



0 dB = 1.09 W/kg

System Performance Check Data (1750MHz)

Date: 2021.06.04

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.389$ S/m; $\epsilon_r = 40.313$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.4

DASY4 Configuration:

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

CW 1750 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

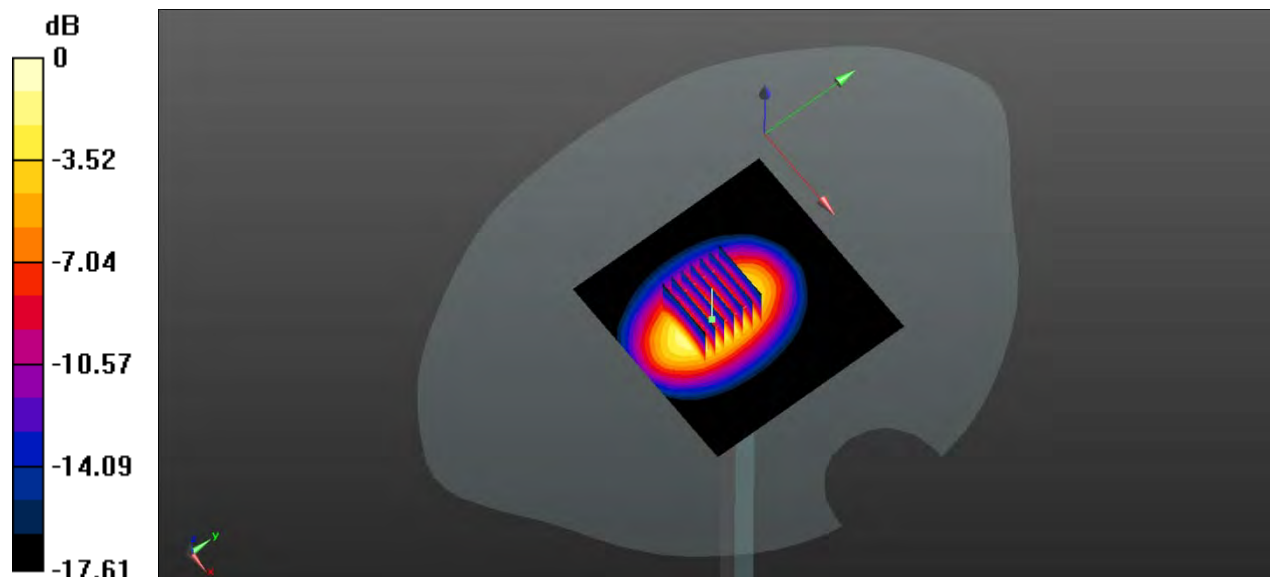
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.41 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 6.75 W/kg

SAR(1 g) = 3.51 W/kg; SAR(10 g) = 1.89 W/kg

Maximum value of SAR (measured) = 3.99 W/kg



0 dB = 3.99 W/kg

System Performance Check Data (1750MHz)

Date: 2021.06.05

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

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.392$ S/m; $\epsilon_r = 40.157$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.4

DASY4 Configuration:

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

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

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

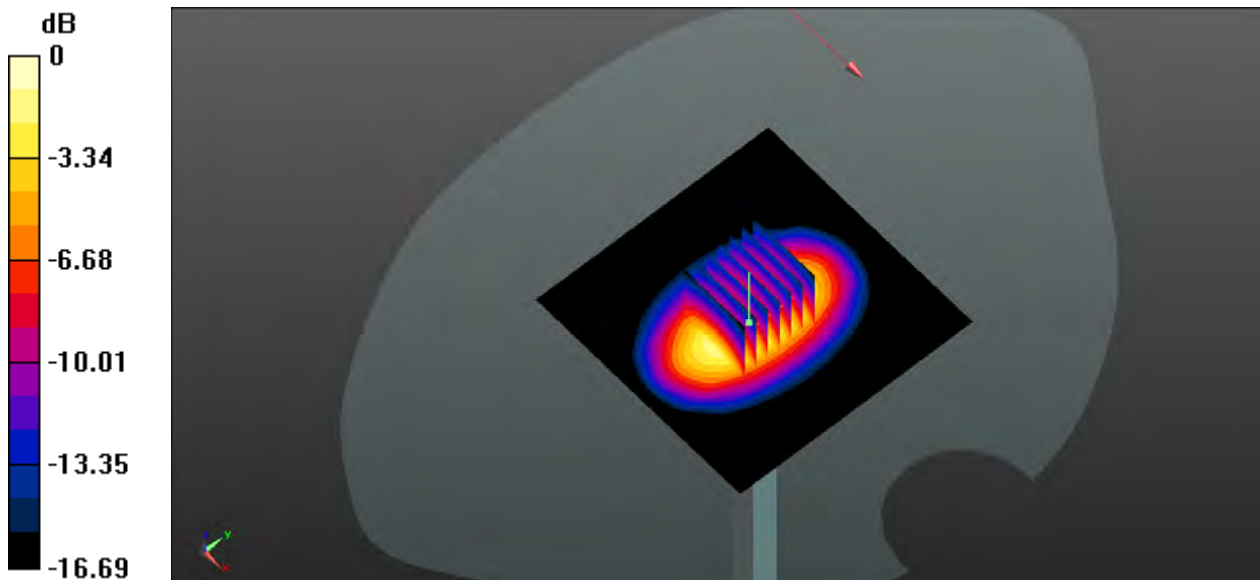
CW1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.81 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 7.04 W/kg

SAR(1 g) = 3.59 W/kg; SAR(10 g) = 1.91 W/kg

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



0 dB = 4.21 W/kg

System Performance Check Data (1750MHz)

Date: 2021.06.06

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 40.261$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.4

DASY4 Configuration:

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

CW 1750 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

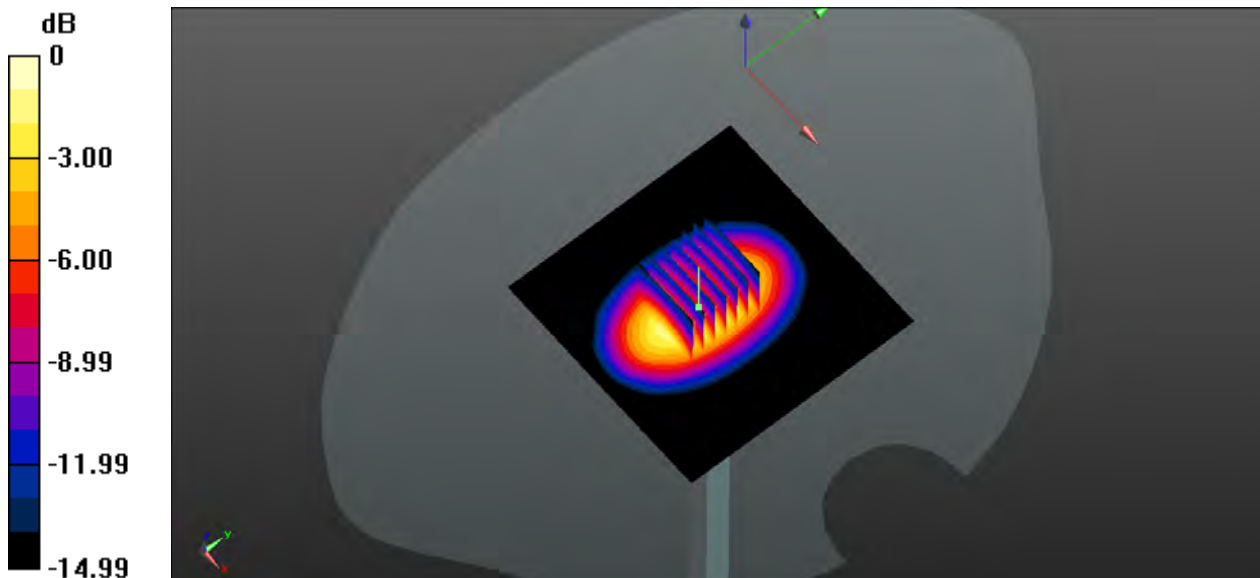
CW 1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.22 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 6.48 W/kg

SAR(1 g) = 3.64 W/kg; SAR(10 g) = 1.94 W/kg

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



0 dB = 4.09 W/kg

System Performance Check Data (1750MHz)

Date: 2021.06.07

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

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.388$ S/m; $\epsilon_r = 40.151$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.6

DASY4 Configuration:

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

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

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

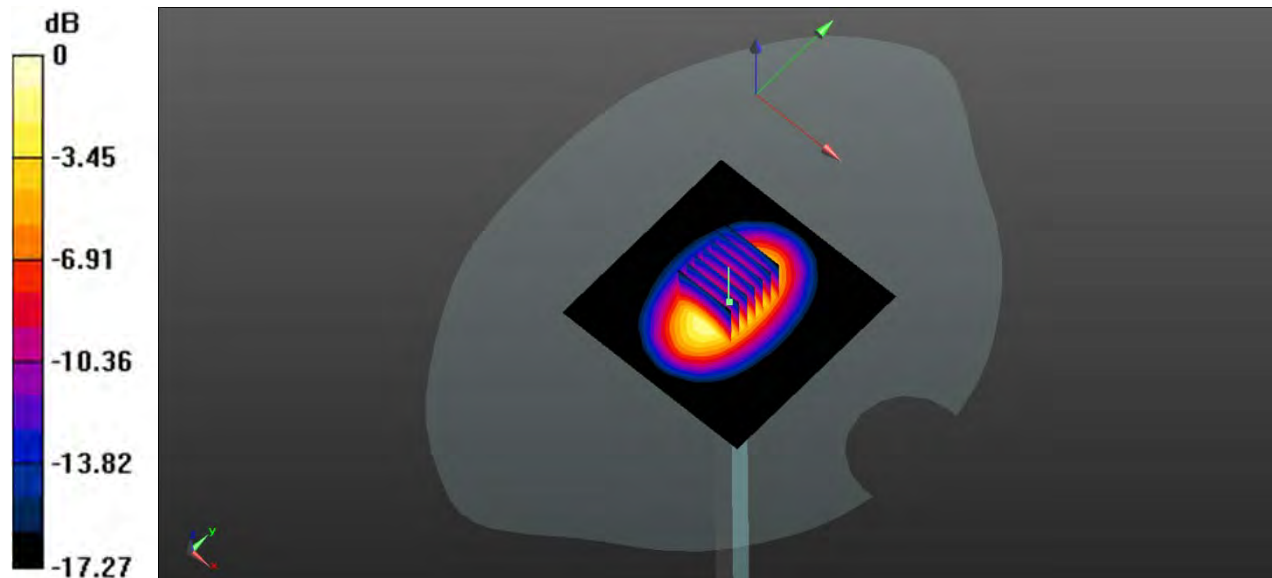
CW1750 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.03 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 6.97 W/kg

SAR(1 g) = 3.67 W/kg; SAR(10 g) = 1.95 W/kg

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



0 dB = 4.21 W/kg

System Performance Check Data (1750MHz)

Date: 2021.06.08

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.381$ S/m; $\epsilon_r = 40.366$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.4

DASY4 Configuration:

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

CW 1750 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 3.92 W/kg

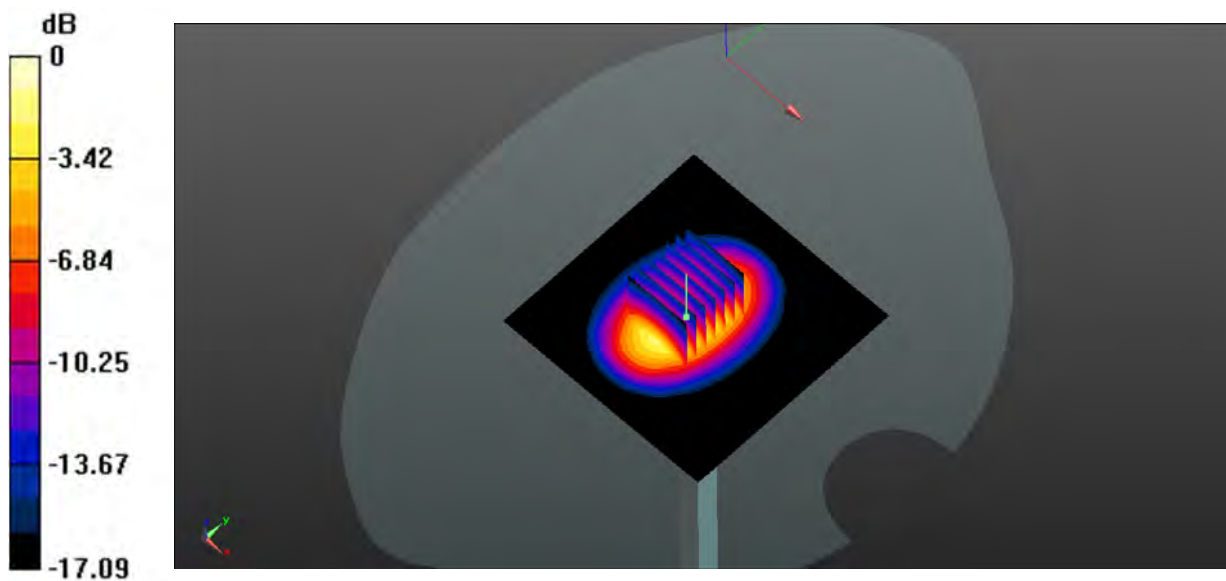
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.58 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 6.57 W/kg

SAR(1 g) = 3.74 W/kg; SAR(10 g) = 1.97 W/kg

Maximum value of SAR (measured) = 4.34 W/kg



0 dB = 4.34 W/kg

System Performance Check Data (1750MHz)

Date: 2021.06.09

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.393$ S/m; $\epsilon_r = 40.09$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.5

DASY4 Configuration:

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

CW 1750 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

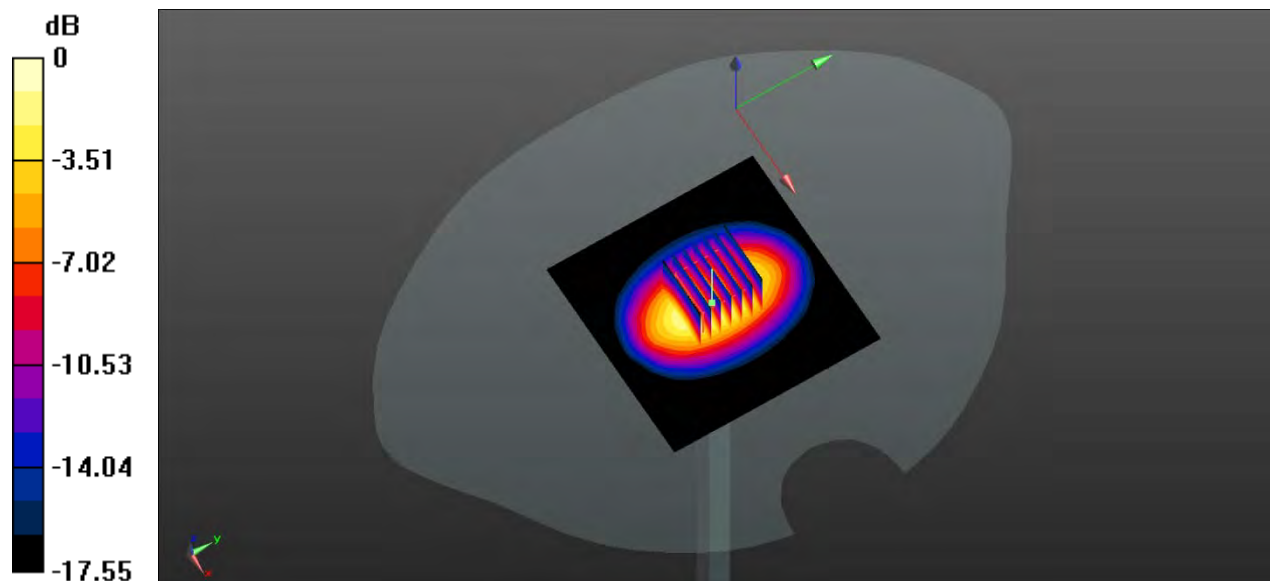
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.14 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 7.02 W/kg

SAR(1 g) = 3.81 W/kg; SAR(10 g) = 1.99 W/kg

Maximum value of SAR (measured) = 4.07 W/kg



0 dB = 4.07 W/kg

System Performance Check Data (1750MHz)

Date: 2021.06.10

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 40.228$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.66); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 14.6.10 (7331)

CW 1750 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

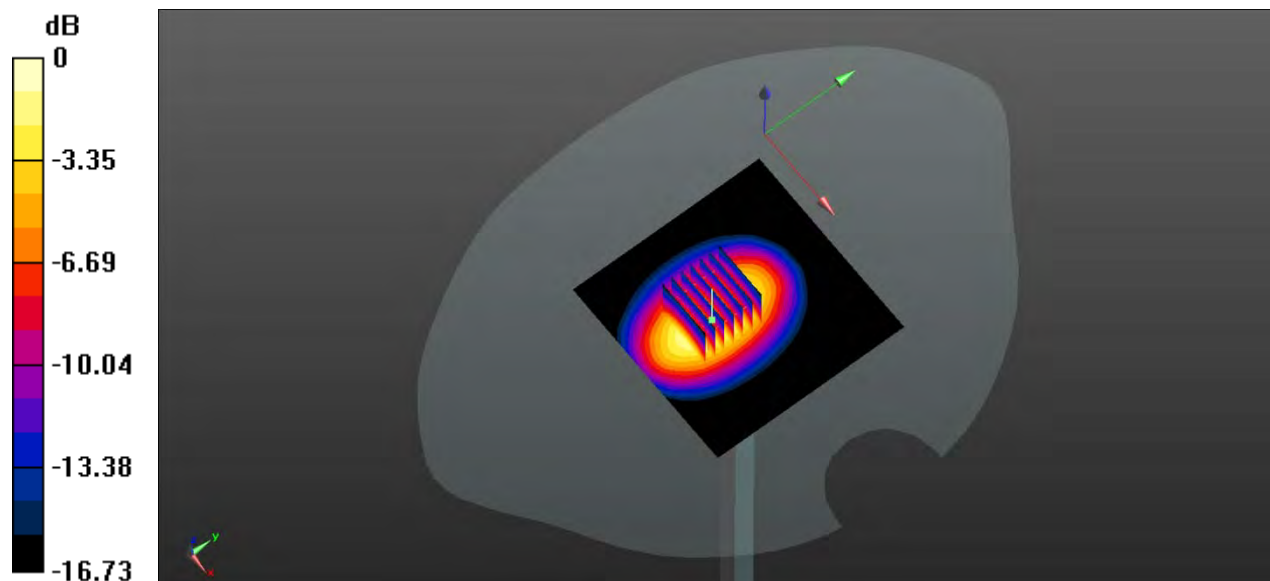
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.41 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 6.75 W/kg

SAR(1 g) = 3.82 W/kg; SAR(10 g) = 2.02 W/kg

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



0 dB = 4.29 W/kg

System Performance Check Data (1900MHz)

Date: 2021.06.11

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 40.243$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.4

DASY4 Configuration:

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

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

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

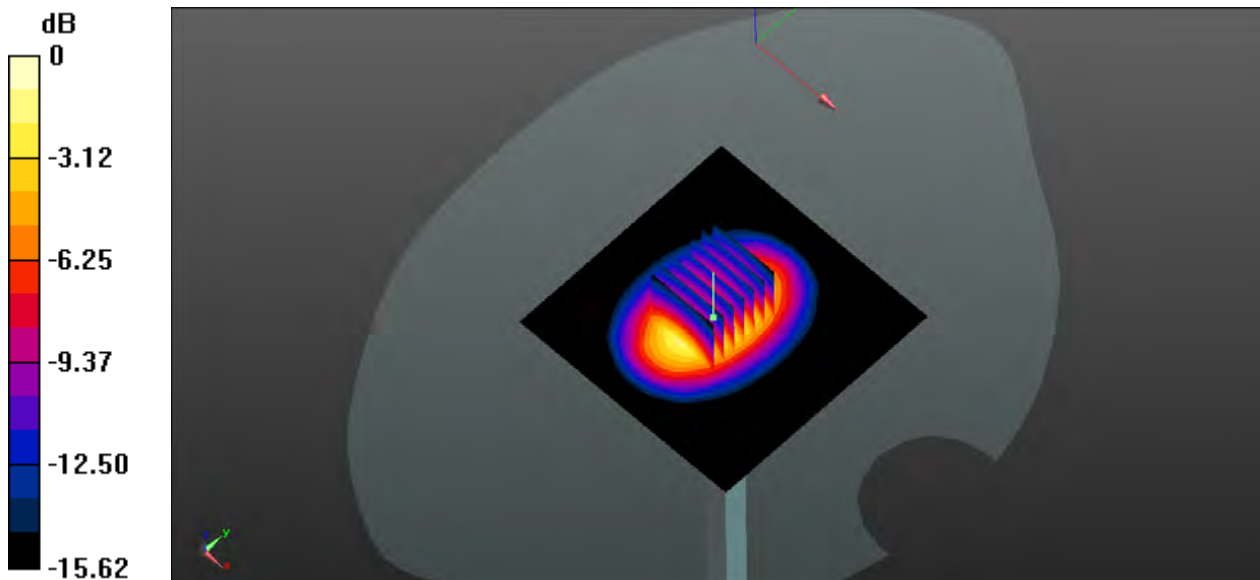
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.52 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 7.36 W/kg

SAR(1 g) = 3.85 W/kg; SAR(10 g) = 1.98 W/kg

Maximum value of SAR (measured) = 4.51 W/kg



0 dB = 4.51 W/kg

System Performance Check Data (1900MHz)

Date: 2021.06.12

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.406$ S/m; $\epsilon_r = 40.124$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.3

DASY4 Configuration:

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

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

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

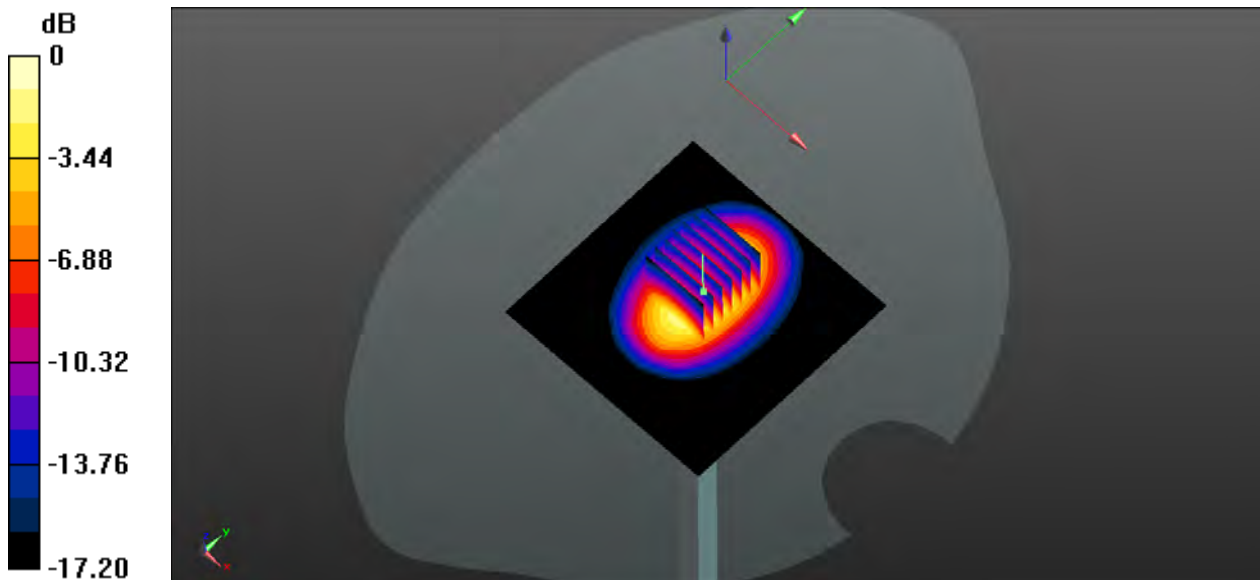
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.10 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.51 W/kg

SAR(1 g) = 3.91 W/kg; SAR(10 g) = 2.02 W/kg

Maximum value of SAR (measured) = 4.49 W/kg



0 dB = 4.49 W/kg

System Performance Check Data (1900MHz)

Date: 2021.06.13

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.411$ S/m; $\epsilon_r = 39.923$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY4 Configuration:

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

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

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

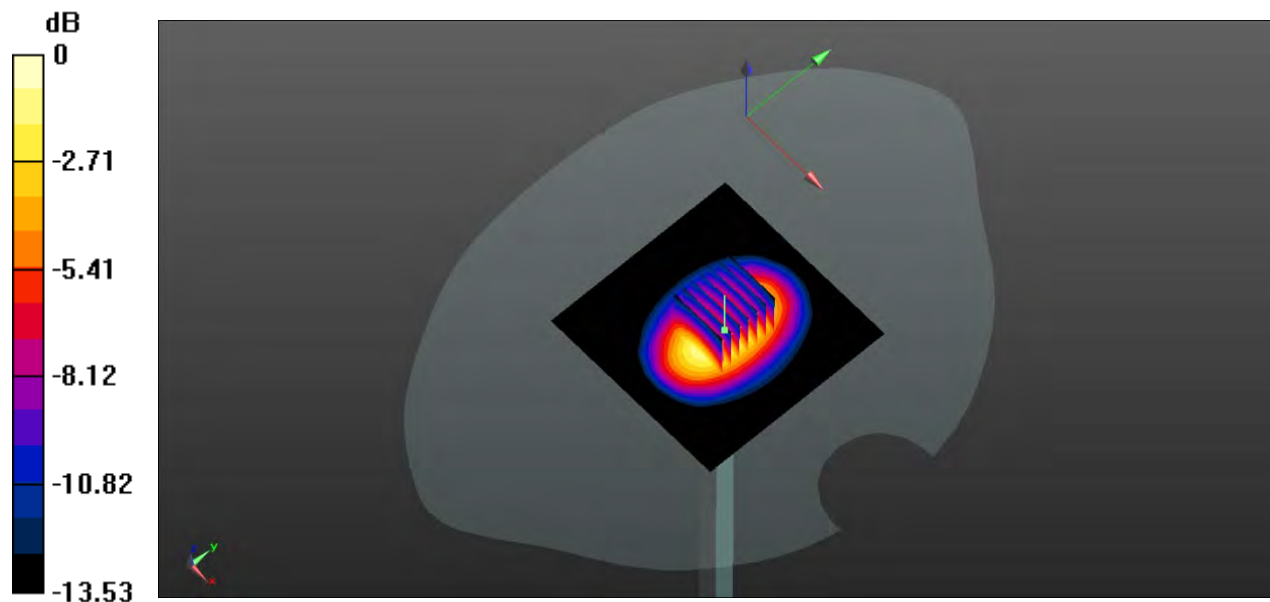
CW1900 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.71 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 7.21 W/kg

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

Maximum value of SAR (measured) = 4.67 W/kg



0 dB = 4.67 W/kg

System Performance Check Data (1900MHz)

Date: 2021.06.14

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.408$ S/m; $\epsilon_r = 40.047$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.4

DASY4 Configuration:

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

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

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

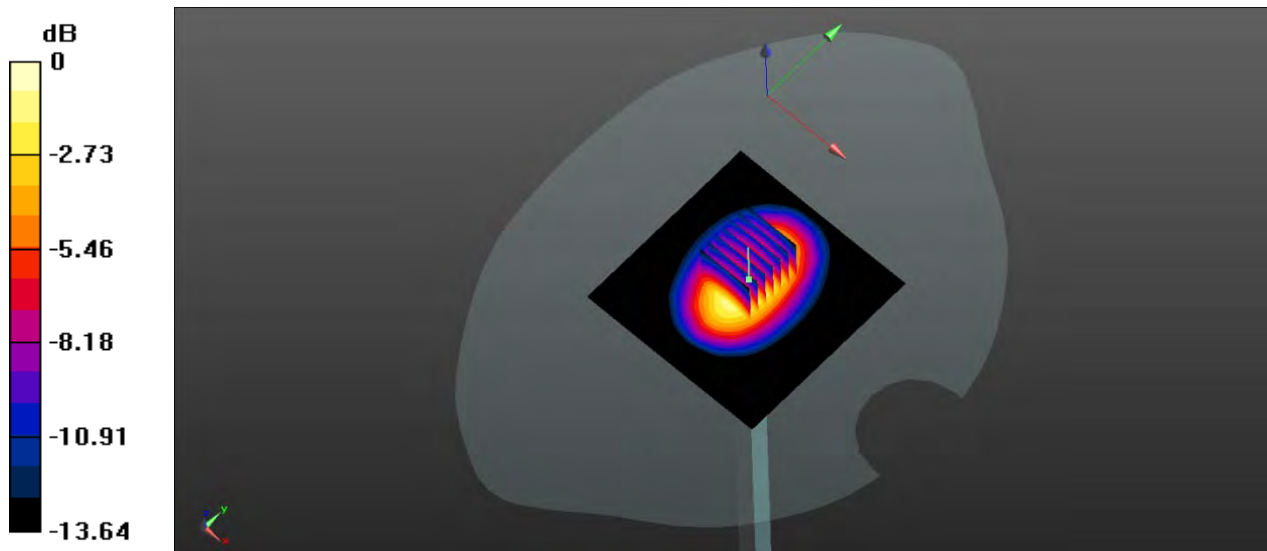
CW 1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.81 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 7.03 W/kg

SAR(1 g) = 4.05 W/kg; SAR(10 g) = 2.11 W/kg

Maximum value of SAR (measured) = 4.47 W/kg



0 dB = 4.47 W/kg

System Performance Check Data (2450MHz)

Date: 2021.05.31

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.788$ S/m; $\epsilon_r = 39.134$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

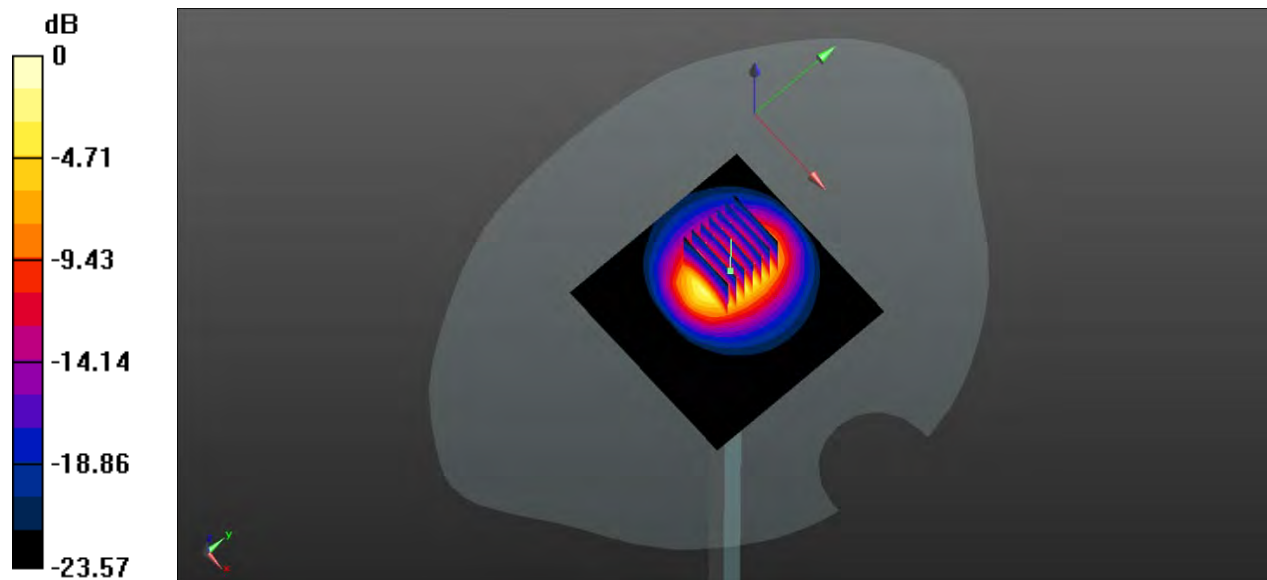
CW 2450 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.93 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.56 W/kg; SAR(10 g) = 2.52 W/kg

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



0 dB = 6.15 W/kg

System Performance Check Data (2450MHz)

Date: 2021.06.15

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.786$ S/m; $\epsilon_r = 39.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 5.78 W/kg

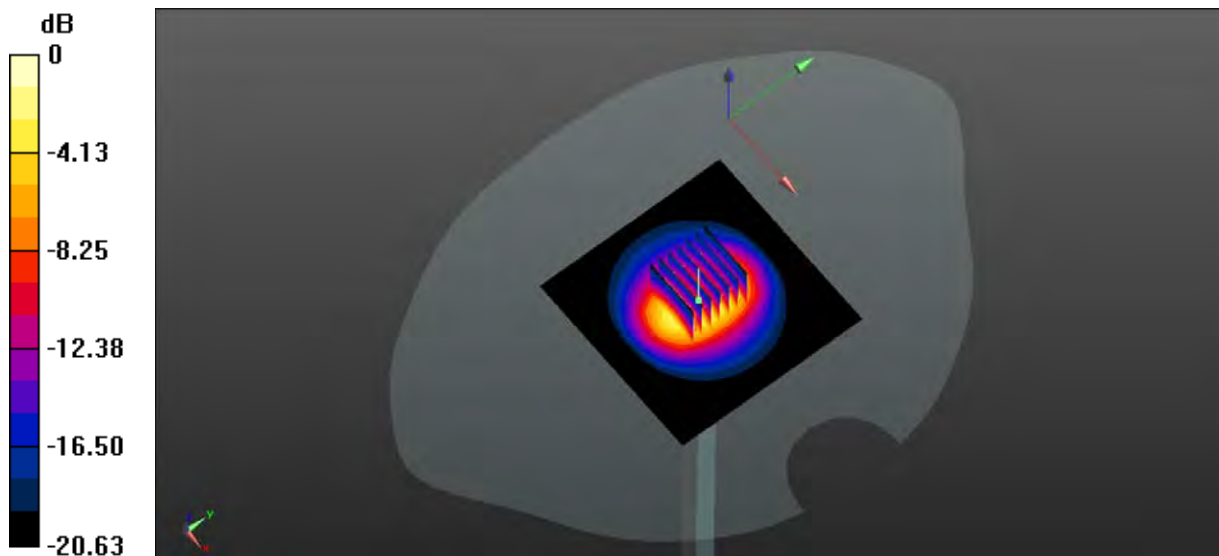
CW2450 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.72 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.06 W/kg; SAR(10 g) = 2.29 W/kg

Maximum value of SAR (measured) = 5.73 W/kg



0 dB = 5.73 W/kg

System Performance Check Data (2600MHz)

Date: 2021.05.27

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.994$ S/m; $\epsilon_r = 39.156$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

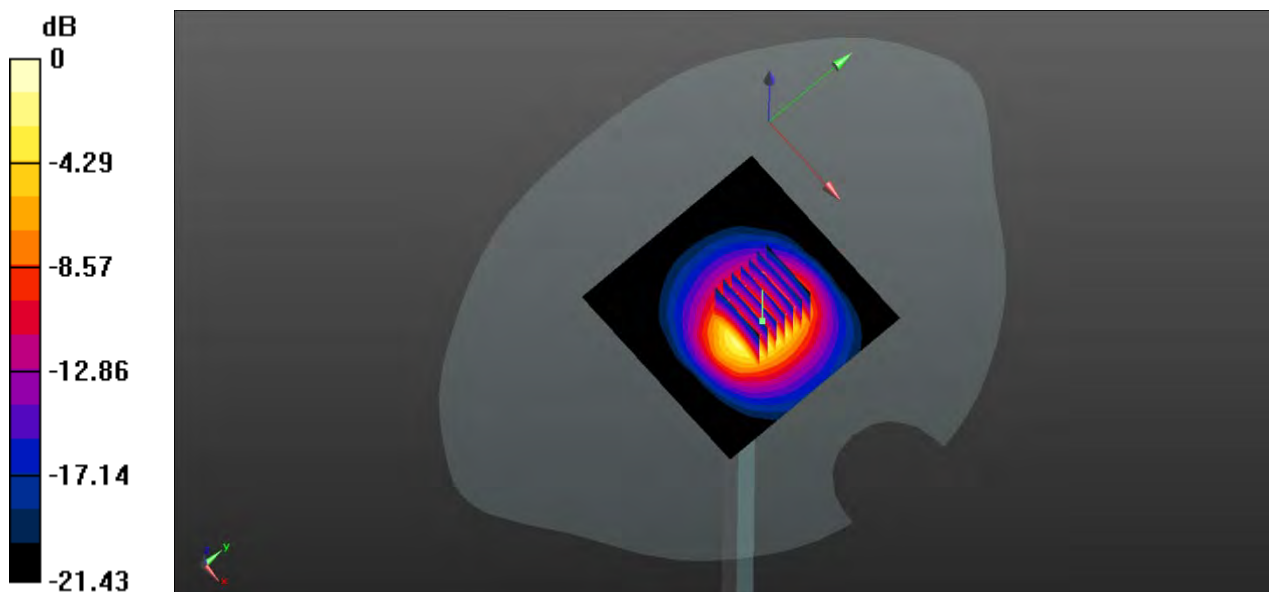
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.18 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 5.42 W/kg; SAR(10 g) = 2.38 W/kg

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



0 dB = 6.44 W/kg

System Performance Check Data (2600MHz)

Date: 2021.05.28

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.993$ S/m; $\epsilon_r = 39.171$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.03 W/kg

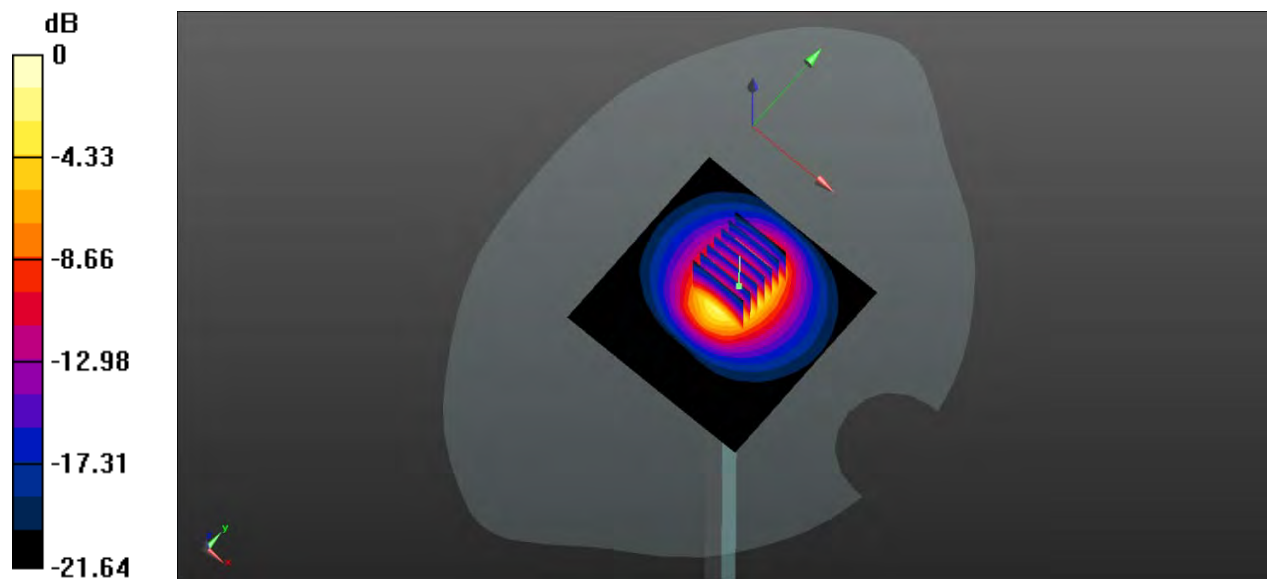
CW 2600 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.47 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 5.45 W/kg; SAR(10 g) = 2.39 W/kg

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



0 dB = 6.48 W/kg

System Performance Check Data (2600MHz)

Date: 2021.05.29

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.991$ S/m; $\epsilon_r = 38.983$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.60 W/kg

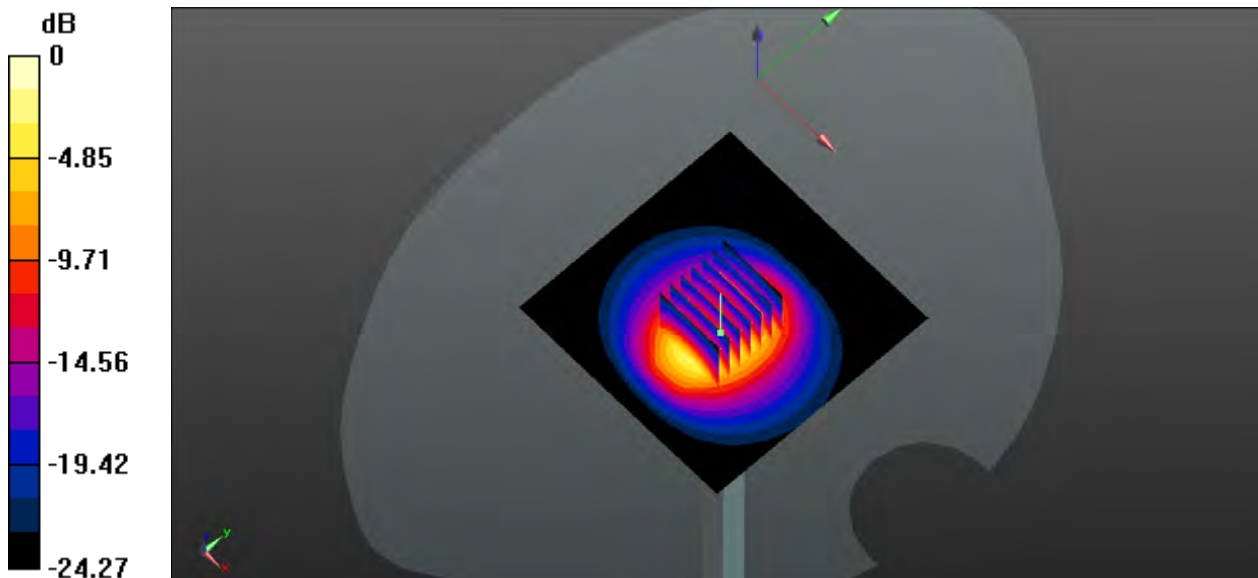
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.73 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.47 W/kg; SAR(10 g) = 2.41 W/kg

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



0 dB = 6.52 W/kg

System Performance Check Data (2600MHz)

Date: 2021.05.30

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.985$ S/m; $\epsilon_r = 39.088$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.46 W/kg

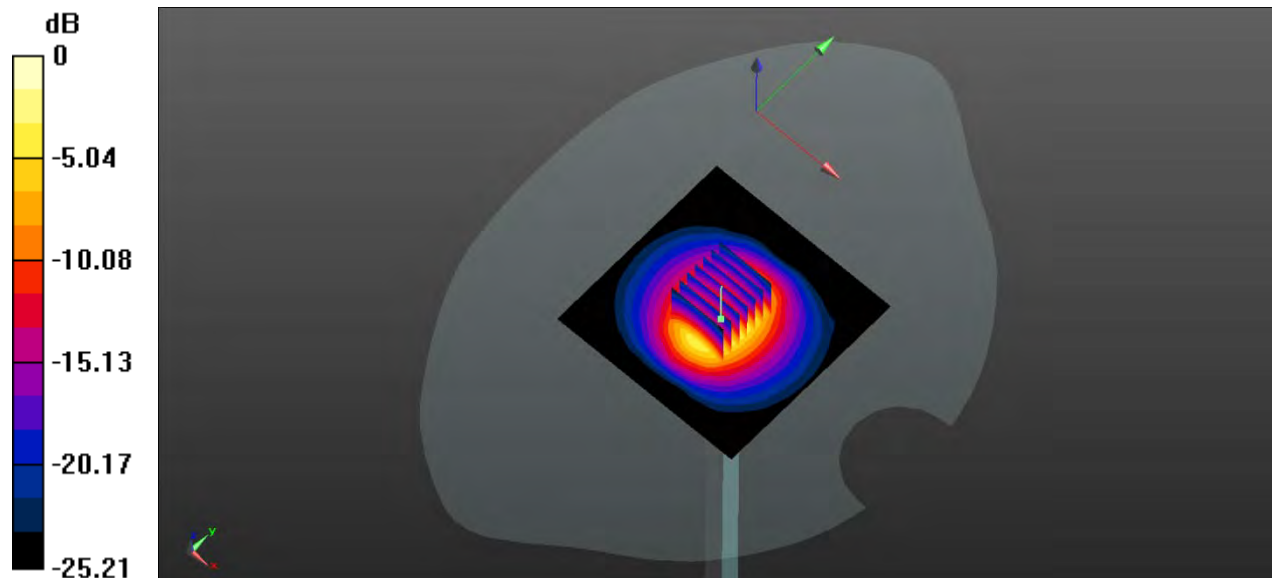
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.55 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.49 W/kg; SAR(10 g) = 2.44 W/kg

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



0 dB = 6.14 W/kg

System Performance Check Data (2600MHz)

Date: 2021.06.13

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; $\epsilon_r = 39.375$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

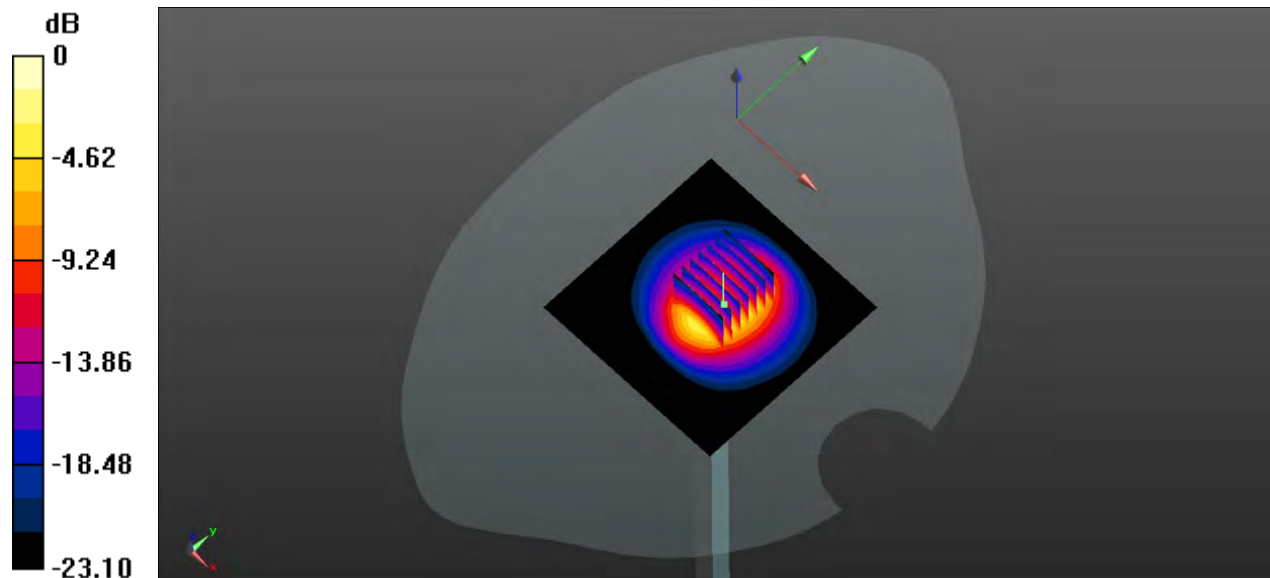
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.43 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.51 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 (2600MHz)

Date: 2021.06.14

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 2$ S/m; $\epsilon_r = 38.387$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.60 W/kg

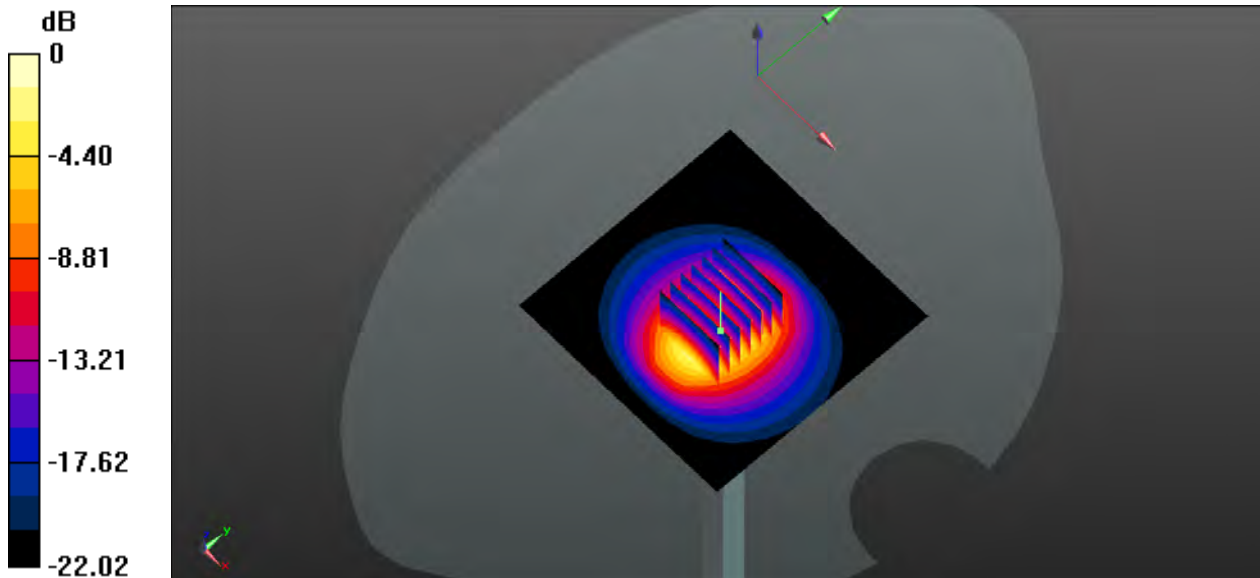
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.73 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.55 W/kg; SAR(10 g) = 2.49 W/kg

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



0 dB = 6.19 W/kg

System Performance Check Data (2600MHz)

Date: 2021.06.01

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.936$ S/m; $\epsilon_r = 39.447$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

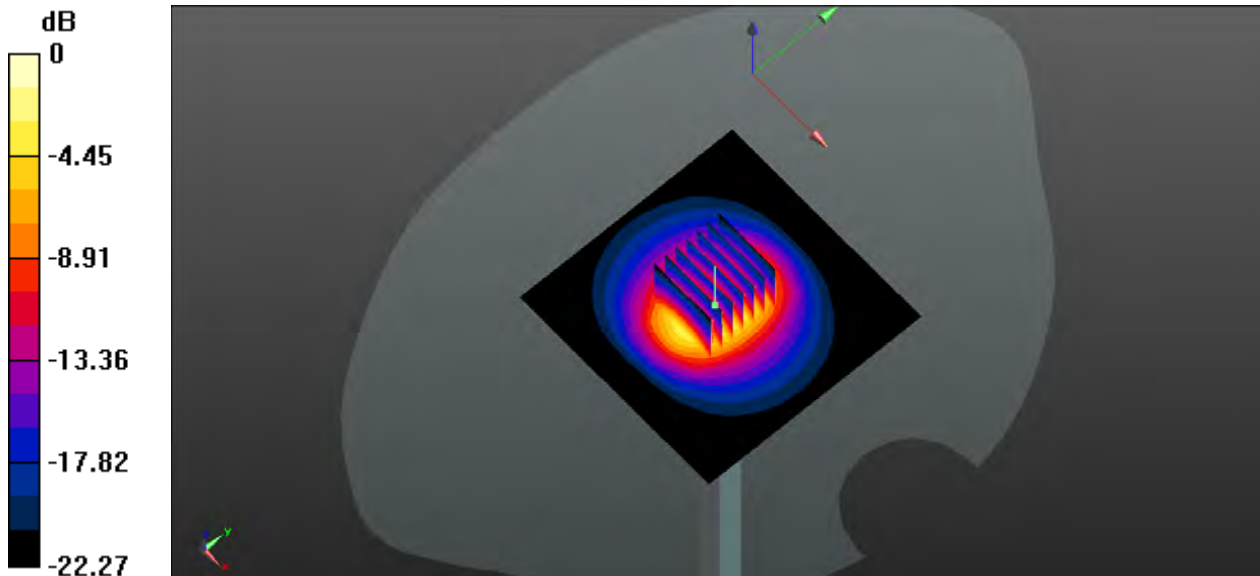
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.58 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 5.57 W/kg; SAR(10 g) = 2.49 W/kg

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



0 dB = 6.57 W/kg

System Performance Check Data (2600MHz)

Date: 2021.06.02

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.971$ S/m; $\epsilon_r = 39.403$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600 HEAD 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

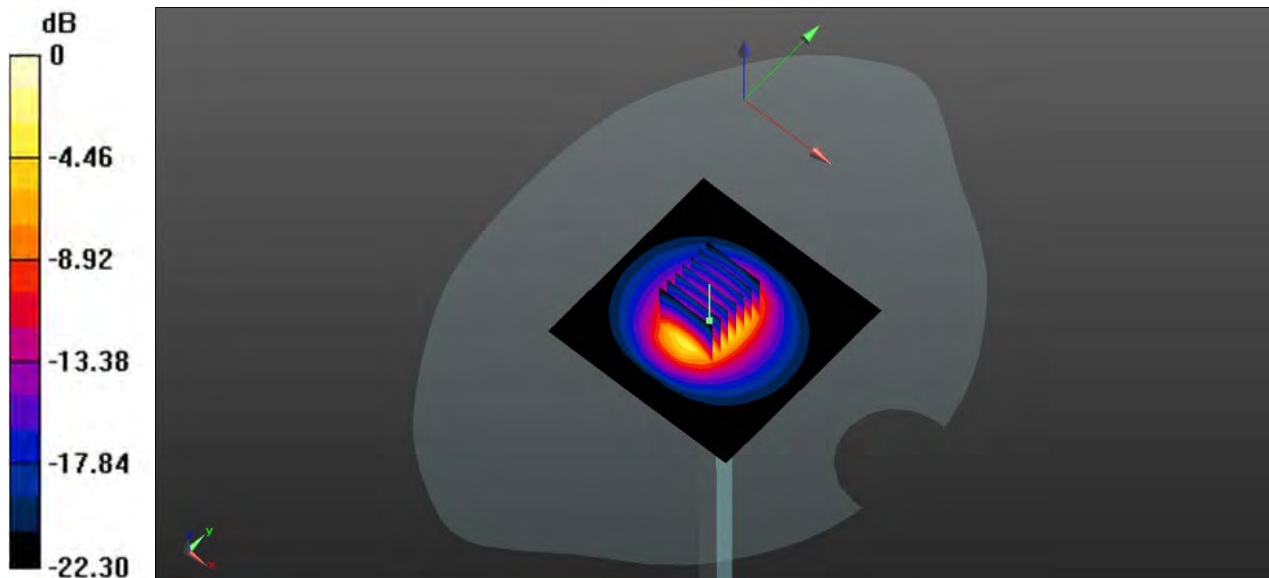
CW2600 HEAD 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.61 W/kg; SAR(10 g) = 2.52 W/kg

Maximum value of SAR (measured) = 6.54 W/kg



0 dB = 6.54 W/kg

System Performance Check Data (2600MHz)

Date: 2021.06.03

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.951$ S/m; $\epsilon_r = 39.082$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

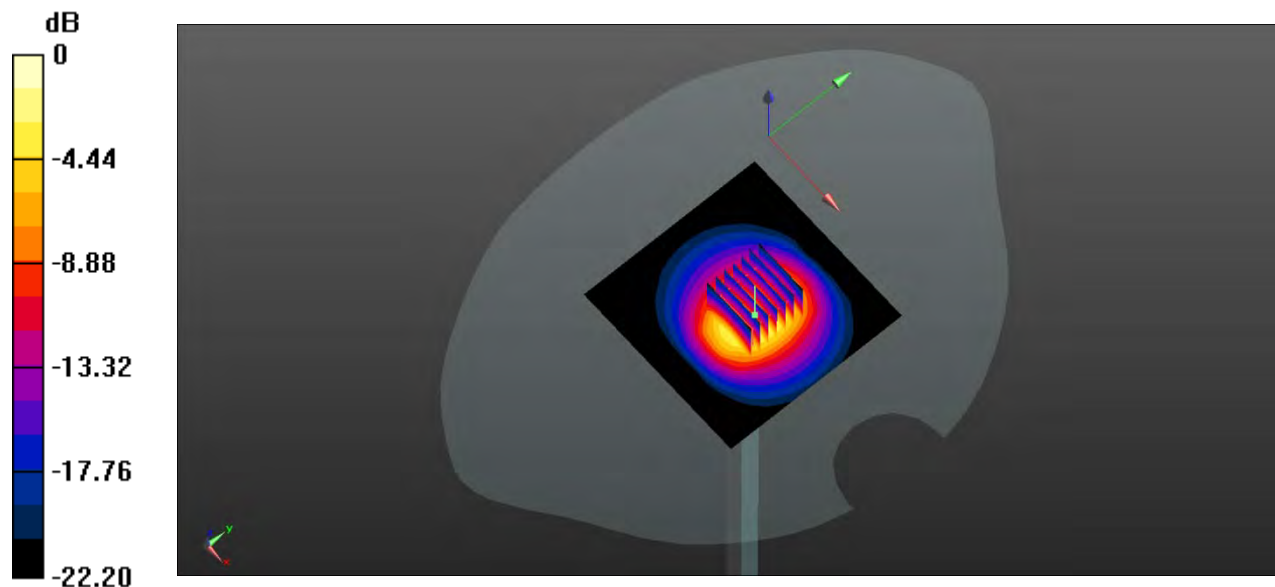
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.42 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.65 W/kg; SAR(10 g) = 2.55 W/kg

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



0 dB = 6.35 W/kg

System Performance Check Data (2600MHz)

Date: 2021.06.04

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.957$ S/m; $\epsilon_r = 38.962$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

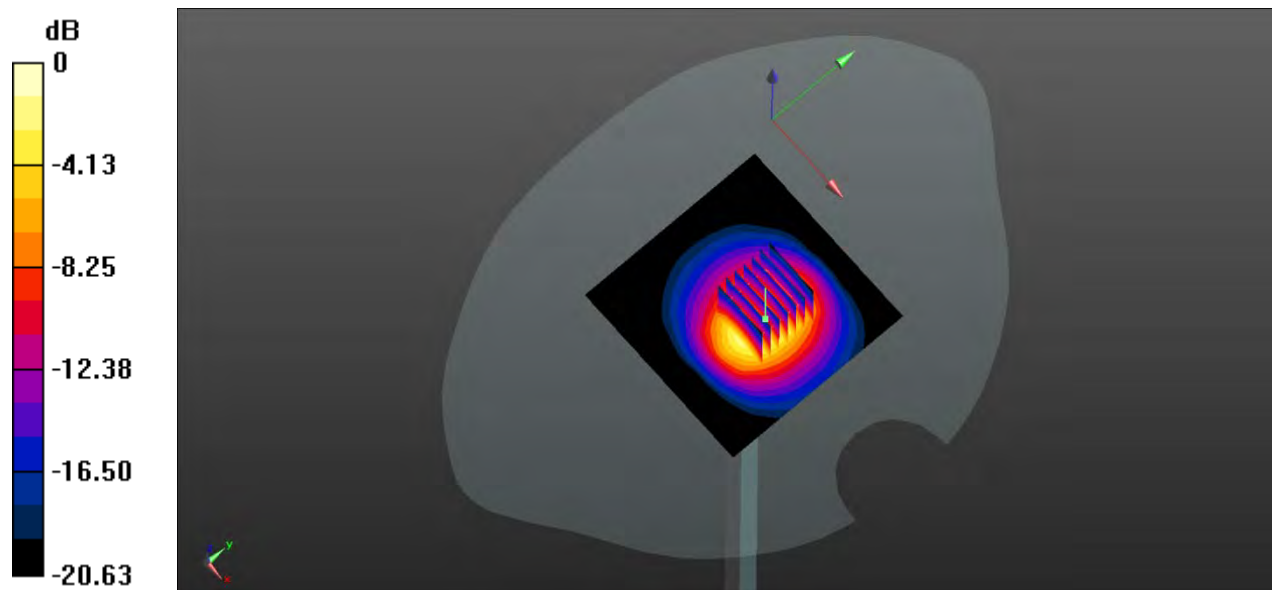
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.21 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 12.1 W/kg

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

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



0 dB = 6.49 W/kg

System Performance Check Data (2600MHz)

Date: 2021.06.05

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.961$ S/m; $\epsilon_r = 39.041$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

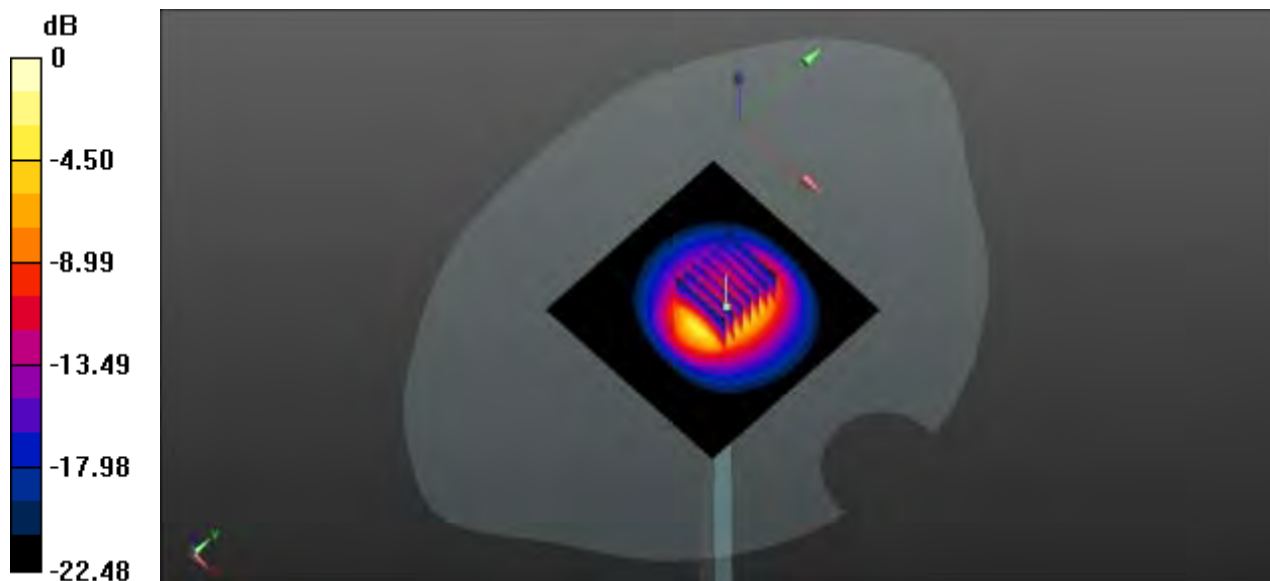
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.73 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.71 W/kg; SAR(10 g) = 2.57 W/kg

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



0 dB = 6.55 W/kg

System Performance Check Data (2600MHz)

Date: 2021.06.06

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.948$ S/m; $\epsilon_r = 38.761$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600 HEAD 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

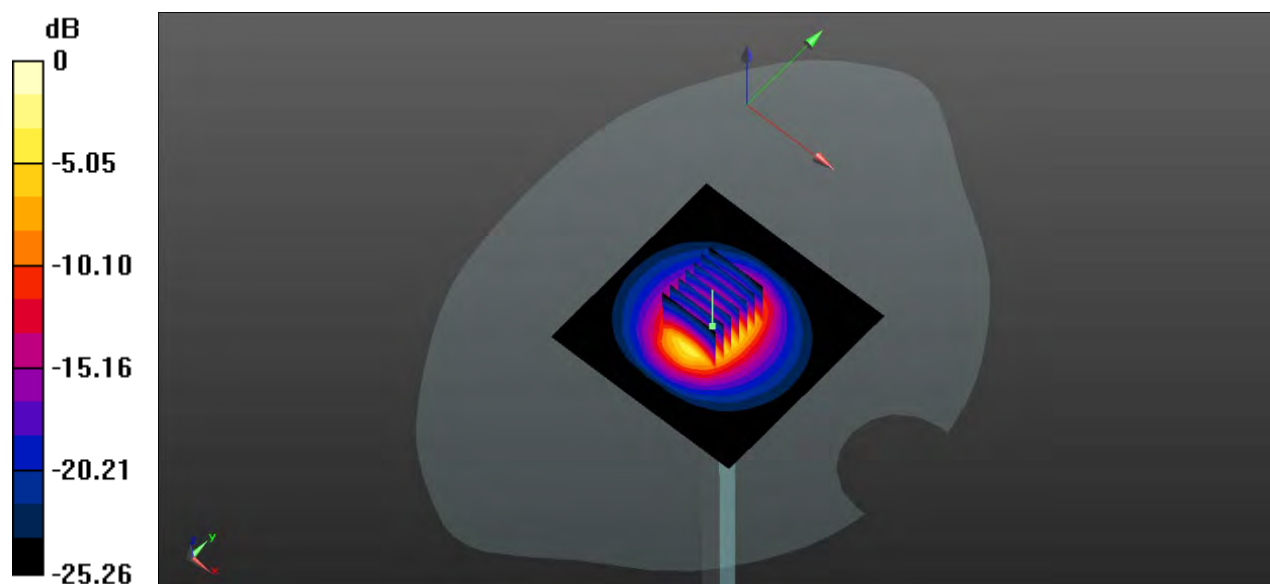
CW2600 HEAD 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.78 W/kg; SAR(10 g) = 2.59 W/kg

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



0 dB = 6.67 W/kg

System Performance Check Data (5200MHz)

Date: 2021.06.07

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.63$ S/m; $\epsilon_r = 36.478$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5200 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.11 W/kg

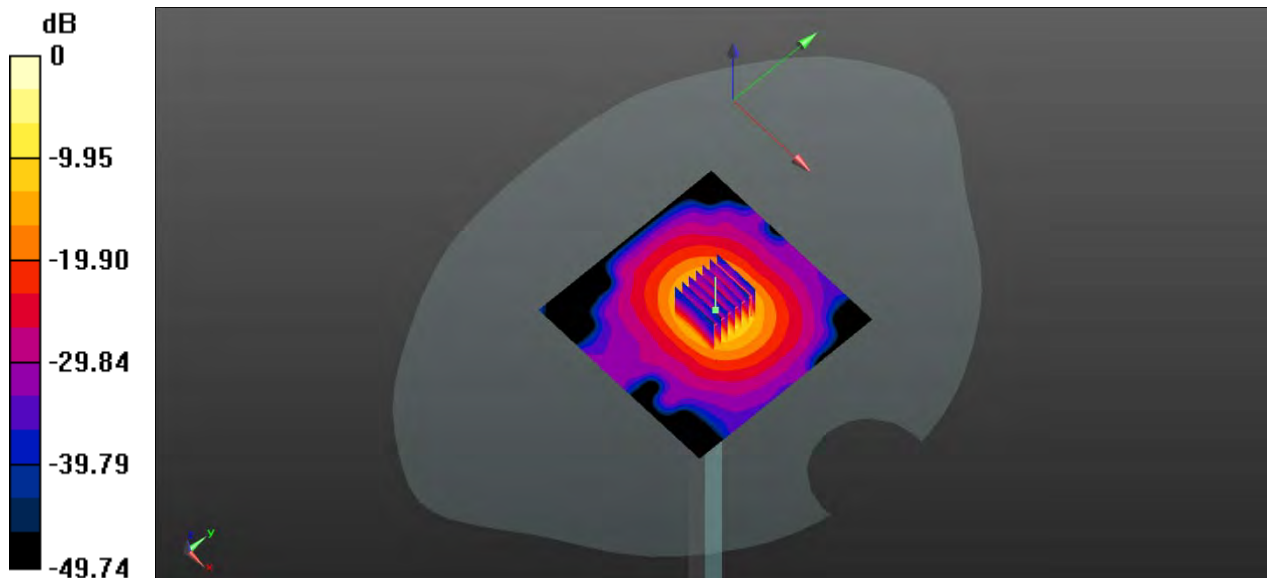
CW 5200 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 36.55 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 31.8 W/kg

SAR(1 g) = 7.34 W/kg; SAR(10 g) = 2.01 W/kg

Maximum value of SAR (measured) = 18.1 W/kg



0 dB = 18.1 W/kg

System Performance Check Data (5300MHz)

Date: 2021.06.07

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.781$ S/m; $\epsilon_r = 35.997$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.3, 5.3, 5.3); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5300 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 14.3 W/kg

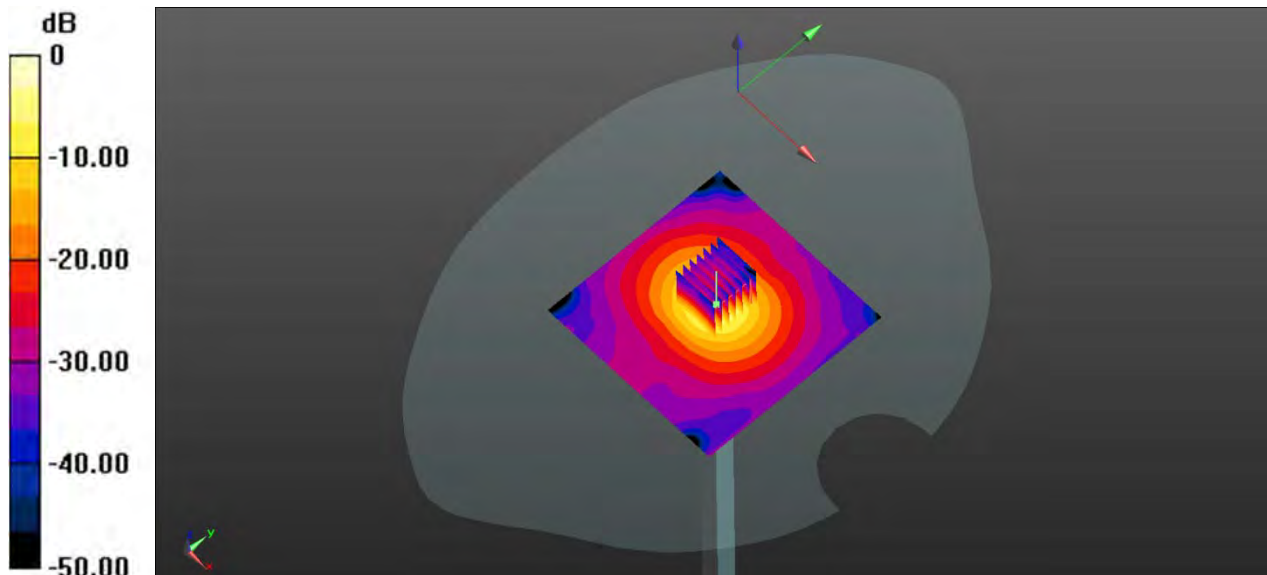
CW 5300 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 37.78 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 31.9 W/kg

SAR(1 g) = 7.51 W/kg; SAR(10 g) = 2.19 W/kg

Maximum value of SAR (measured) = 18.5 W/kg



0 dB = 18.5 W/kg

System Performance Check Data (5200MHz)

Date: 2021.06.08

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.635$ S/m; $\epsilon_r = 36.487$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5250 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.11 W/kg

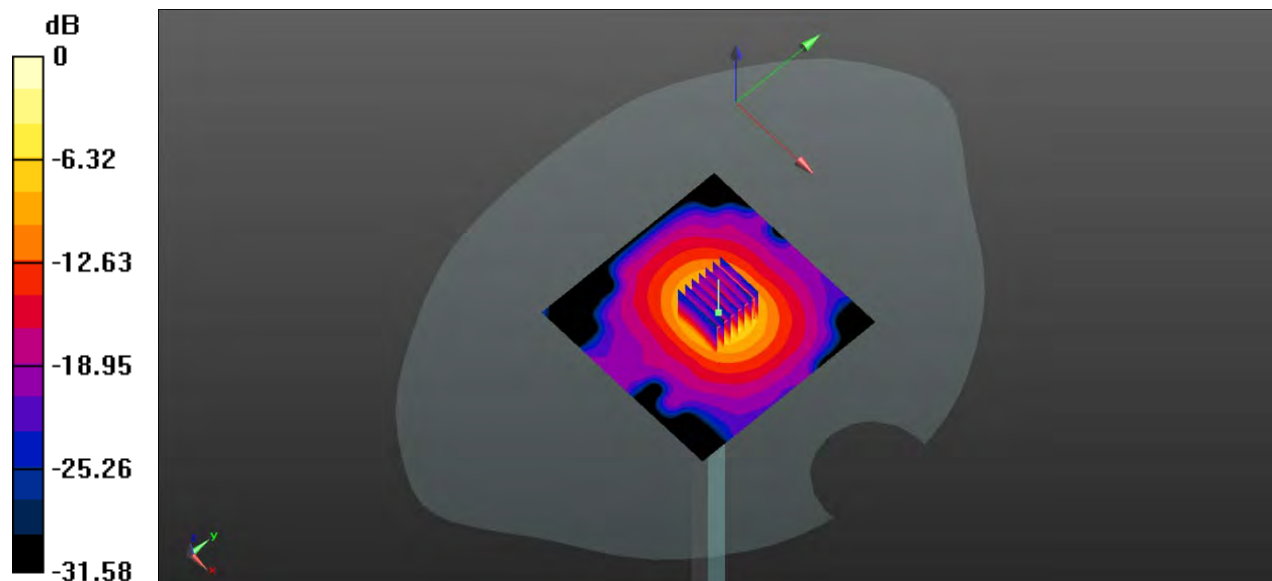
CW 5250 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 36.55 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 31.8 W/kg

SAR(1 g) = 7.44 W/kg; SAR(10 g) = 2.04 W/kg

Maximum value of SAR (measured) = 18.4 W/kg



0 dB = 18.4 W/kg

System Performance Check Data (5300MHz)

Date: 2021.06.08

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.789$ S/m; $\epsilon_r = 35.984$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.3, 5.3, 5.3); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5250 100mW /Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 7.88 W/kg

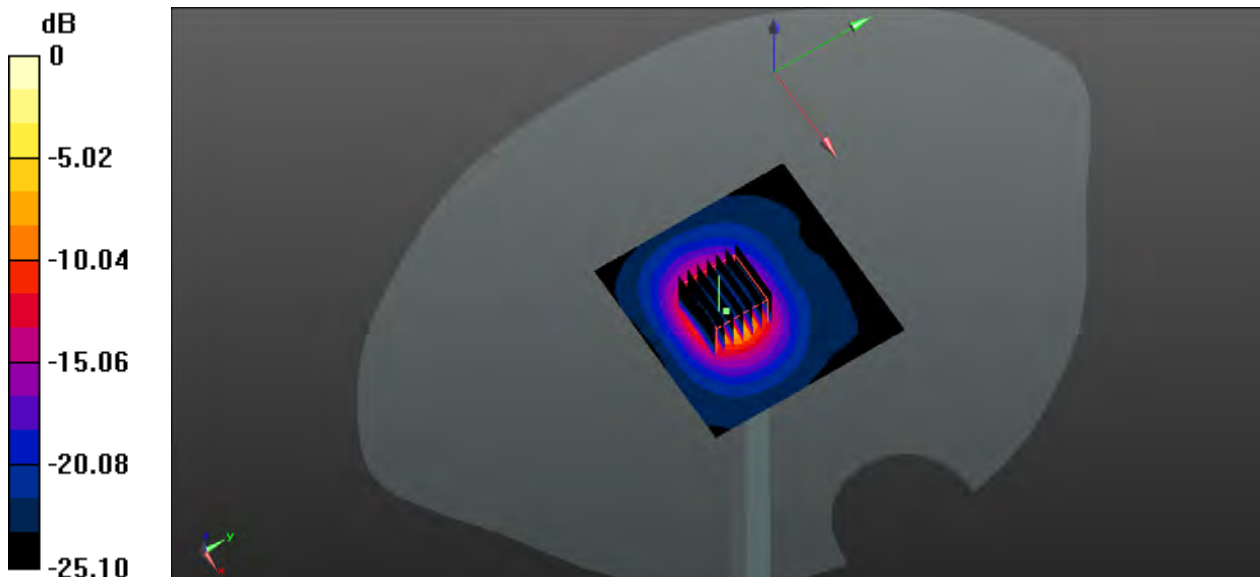
CW 5250 100mW /Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 24.92 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 33.3 W/kg

SAR(1 g) = 7.86 W/kg; SAR(10 g) = 2.29 W/kg

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



0 dB = 19.1 W/kg

System Performance Check Data (5600MHz)

Date: 2021.06.09

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.101$ S/m; $\epsilon_r = 35.678$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.85, 4.85, 4.85); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5600 100mW /Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.13 W/kg

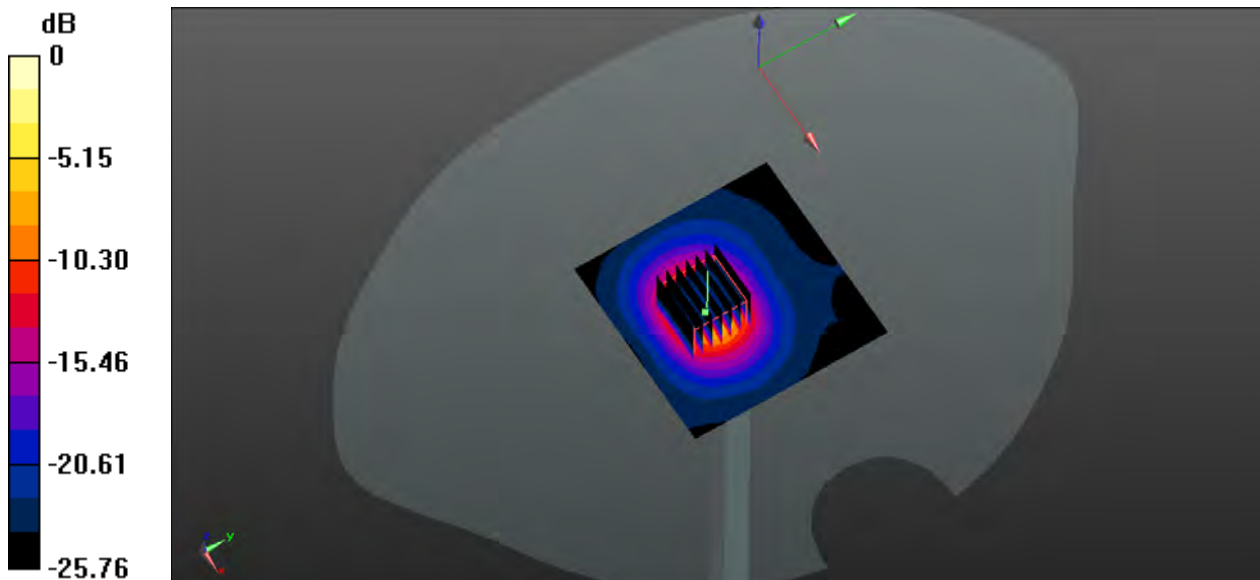
CW 5600 100mW /Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 22.84 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 38.21 W/kg

SAR(1 g) = 8.09 W/kg; SAR(10 g) = 2.25 W/kg

Maximum value of SAR (measured) = 22.1 W/kg



0 dB = 22.1 W/kg

System Performance Check Data (5600MHz)

Date: 2021.06.10

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.095$ S/m; $\epsilon_r = 35.895$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.85, 4.85, 4.85); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5600 HEAD 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.36 W/kg

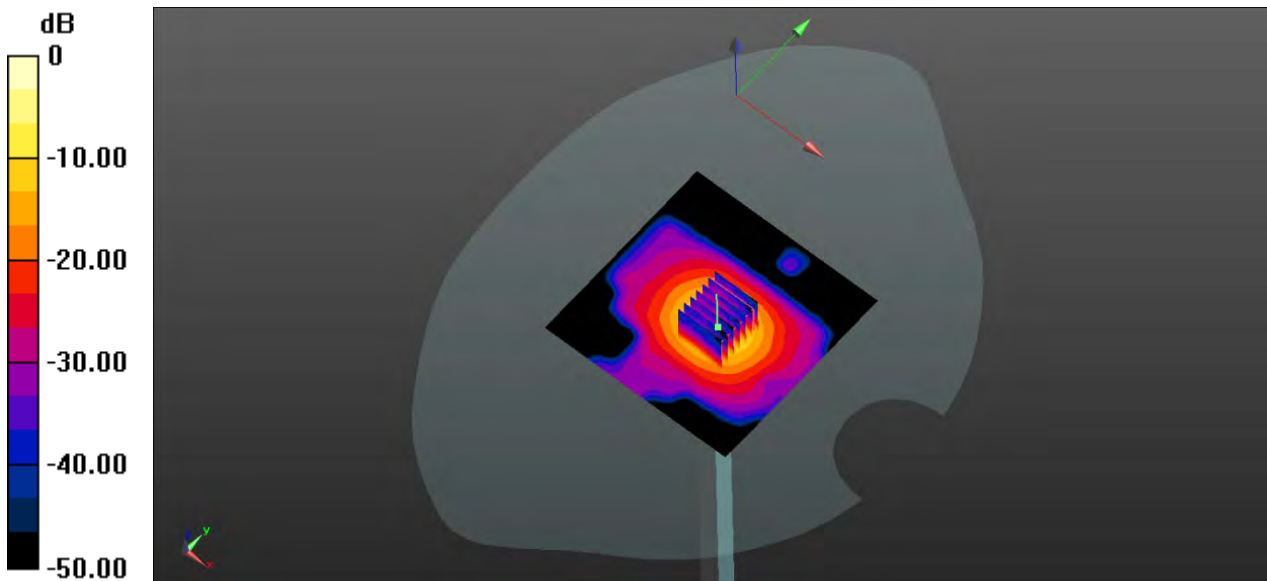
CW5600 HEAD 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 34.67 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 38.53 W/kg

SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.31 W/kg

Maximum value of SAR (measured) = 21.9 W/kg



0 dB = 21.9 W/kg

System Performance Check Data (5800MHz)

Date: 2021.06.11

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

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.295$ S/m; $\epsilon_r = 35.521$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.86, 4.86, 4.86); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5800 HEAD 100mW/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.48 W/kg

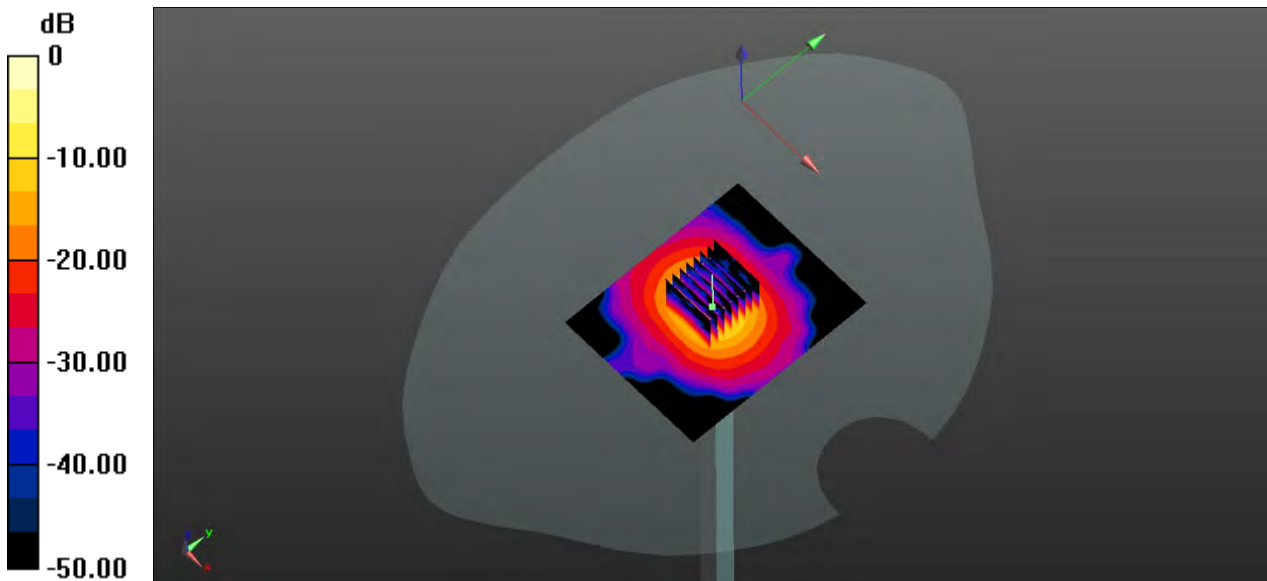
CW5800 HEAD 100mW/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 36.33 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 35.42 W/kg

SAR(1 g) = 7.58 W/kg; SAR(10 g) = 2.19 W/kg

Maximum value of SAR (measured) = 17.1 W/kg



0 dB = 17.1 W/kg

System Performance Check Data (5800MHz)

Date: 2021.06.12

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.287$ S/m; $\epsilon_r = 35.683$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.86, 4.86, 4.86); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5800 HEAD 100mW/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.48 W/kg

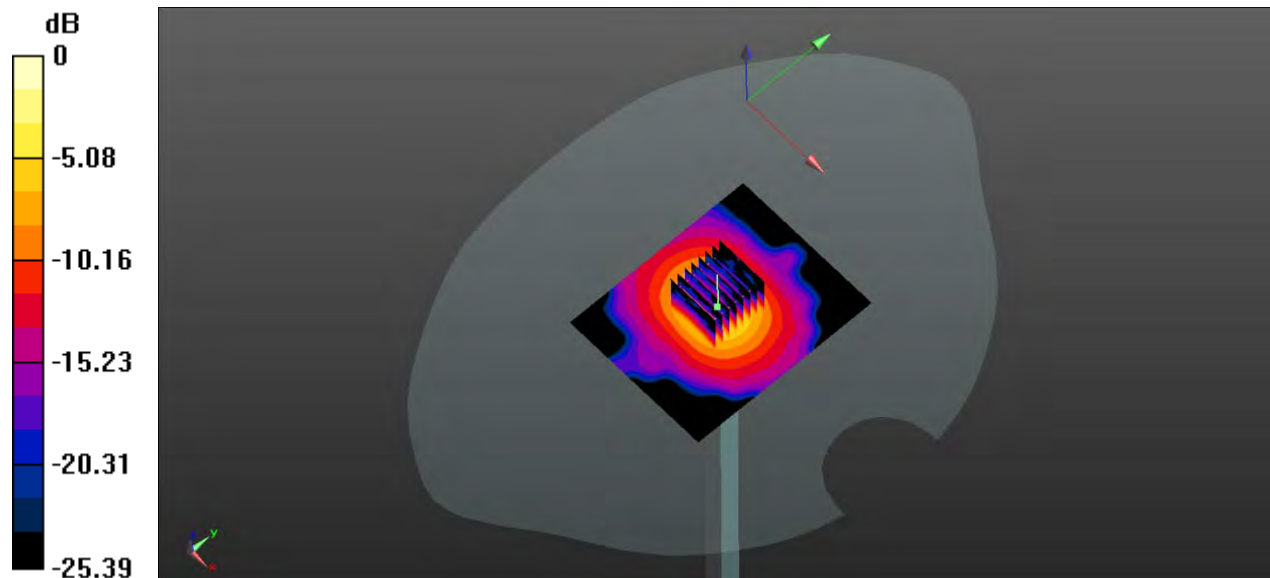
CW5800 HEAD 100mW/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 36.33 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 35.42 W/kg

SAR(1 g) = 7.66 W/kg; SAR(10 g) = 2.21 W/kg

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



0 dB = 16.9 W/kg

System Performance Check Data (2450MHz)

Date: 2021.06.25

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.779$ S/m; $\epsilon_r = 39.523$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

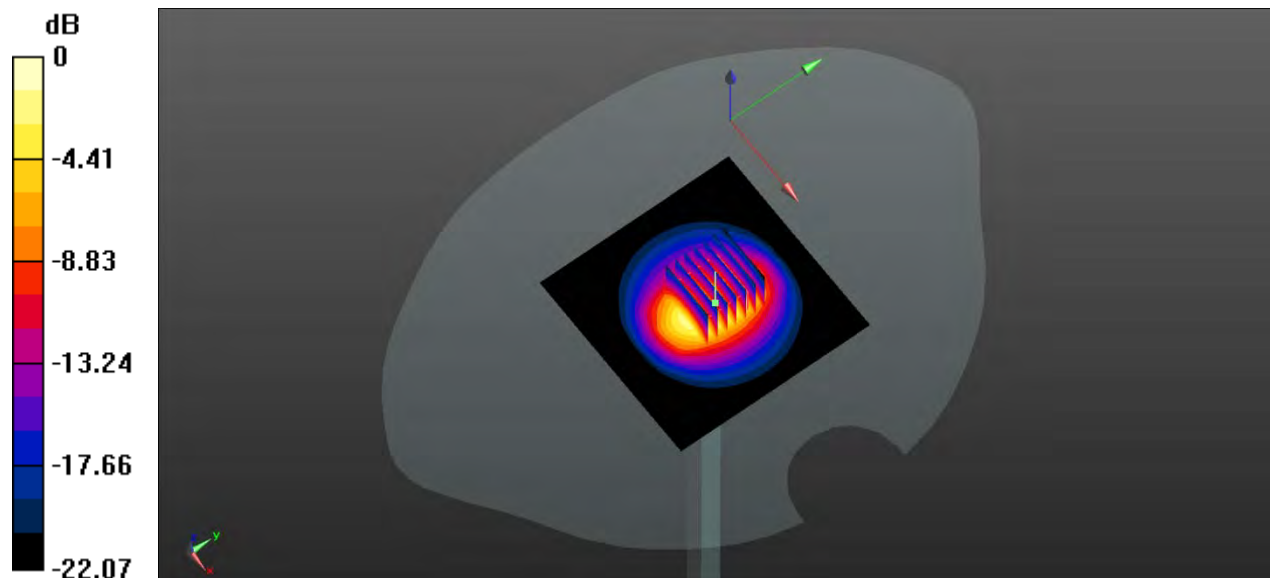
CW 2450 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.71 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 5.51 W/kg; SAR(10 g) = 2.48 W/kg

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



0 dB = 6.36 W/kg

System Performance Check Data (5200MHz)

Date: 2021.06.25

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.852$ S/m; $\epsilon_r = 36.32$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.07.06;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5200 100mW /Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 7.81 W/kg

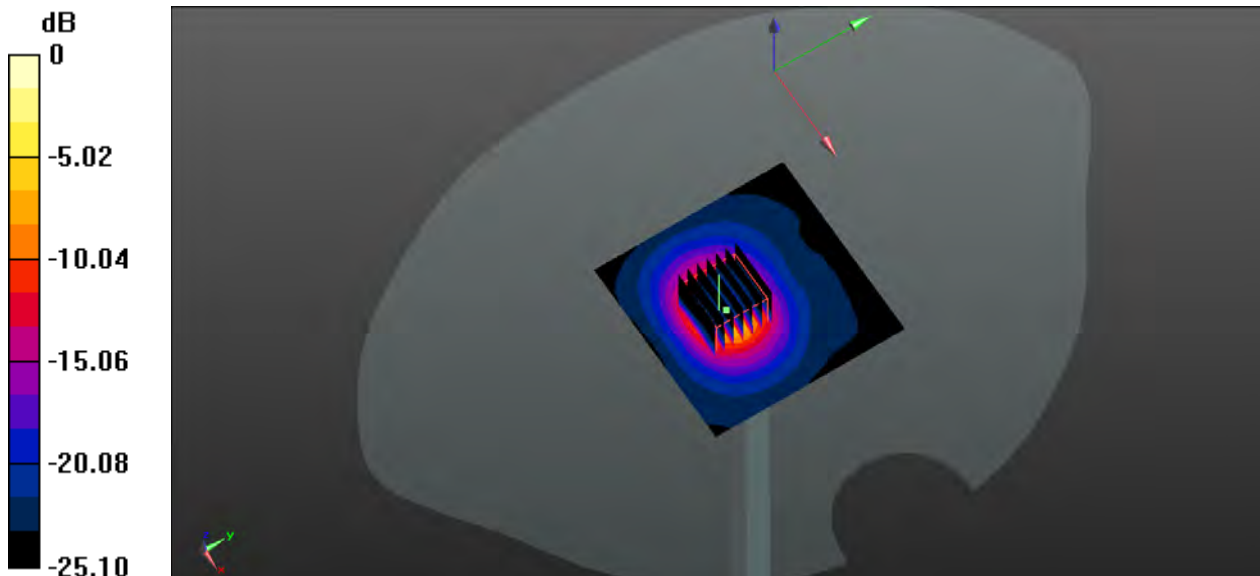
CW 5200 100mW /Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 24.82 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 32.4 W/kg

SAR(1 g) = 7.32 W/kg; SAR(10 g) = 2.05 W/kg

Maximum value of SAR (measured) = 13.8 W/kg



0 dB = 13.8 W/kg

System Performance Check Data (5800MHz)

Date: 2021.06.25

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.241$ S/m; $\epsilon_r = 35.744$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.86, 4.86, 4.86); Calibrated: 2020.07.06;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5800 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.82 W/kg

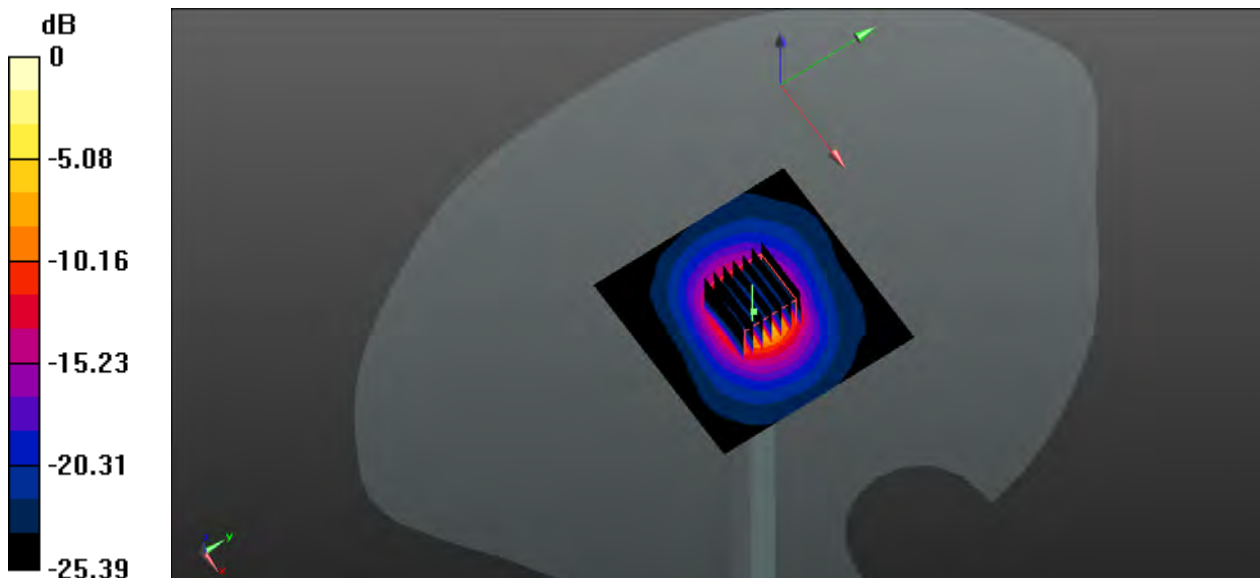
CW 5800 100mW/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 39.94 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 36.4 W/kg

SAR(1 g) = 8.22 W/kg; SAR(10 g) = 2.31 W/kg

Maximum value of SAR (measured) = 15.5 W/kg



0 dB = 15.5 W/kg

ANNEX C TEST DATA

MEAS.1 Left Head with Cheek on High Channel in GPRS850 2Slots mode with Antenna 0

Date: 2021.05.27

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

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.924$ S/m; $\epsilon_r = 41.707$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.790 W/kg

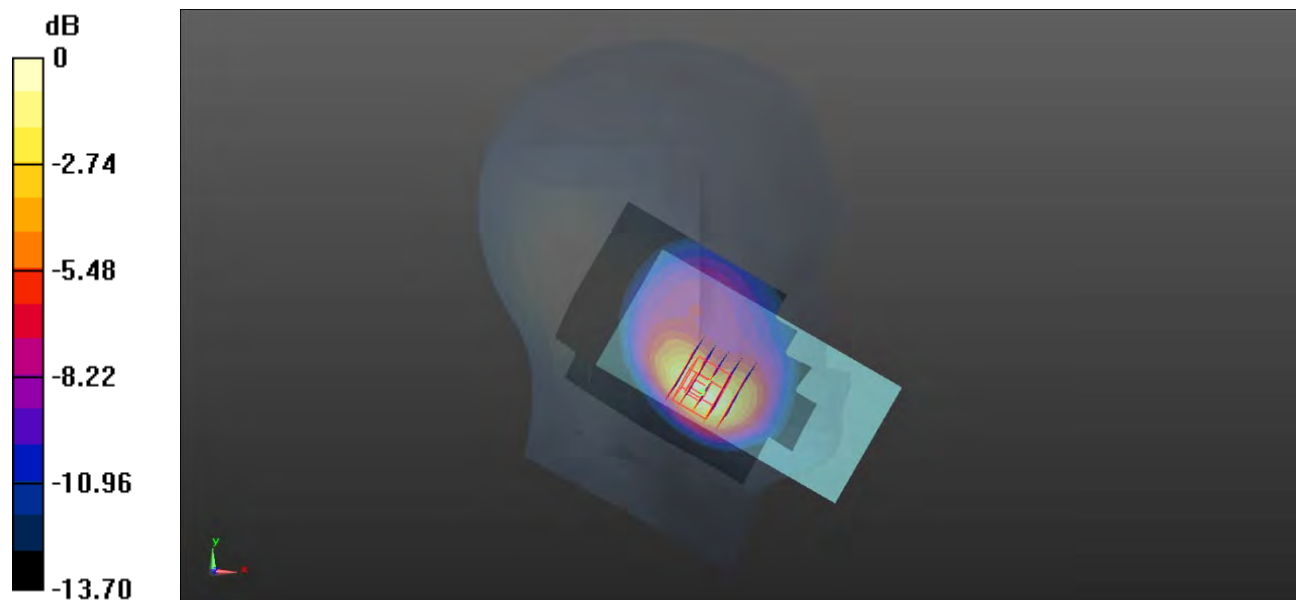
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.627 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.790 W/kg; SAR(10 g) = 0.423 W/kg

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



0 dB = 0.827 W/kg

MEAS.2 Body Plane with Back Side 15mm on Middle Channel in GPRS850 2Slots mode with Antenna 0

Date: 2021.05.27

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

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 41.795$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); 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) = 0.351 W/kg

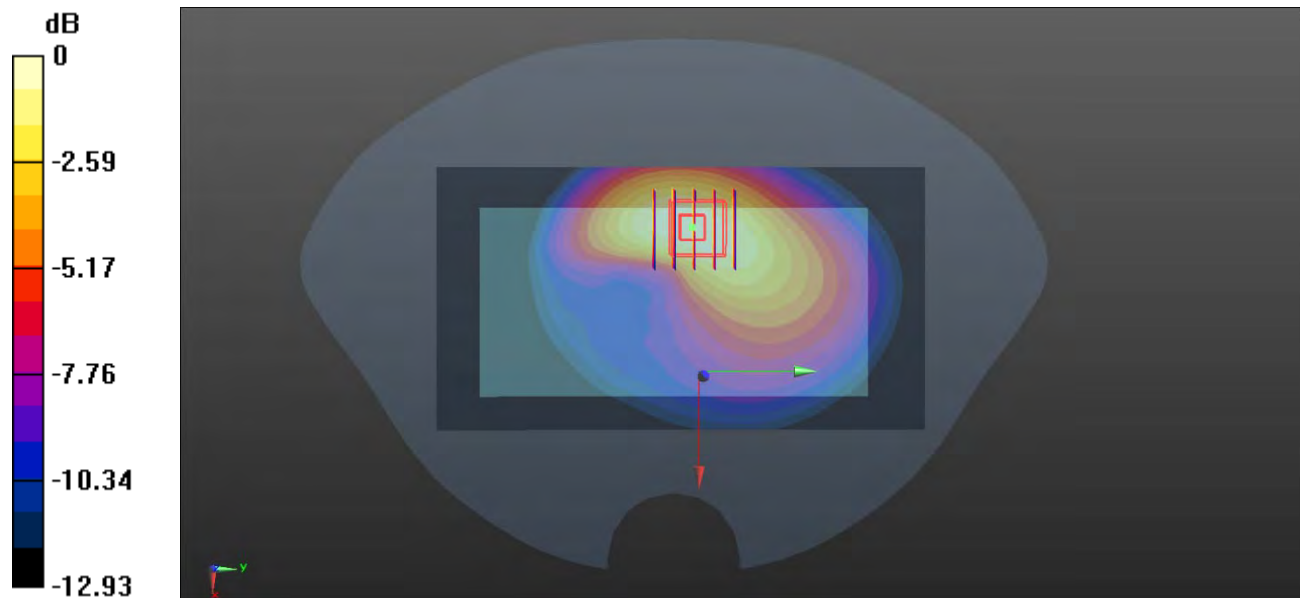
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.726 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.501 W/kg

SAR(1 g) = 0.323 W/kg; SAR(10 g) = 0.204 W/kg

Maximum value of SAR (measured) = 0.354 W/kg



0 dB = 0.354 W/kg

MEAS.3 Body Plane with Right Edge 10mm on Middle Channel in GPRS850 2Slots mode with Antenna 0

Date: 2021.05.27

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

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 41.795$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.707 W/kg

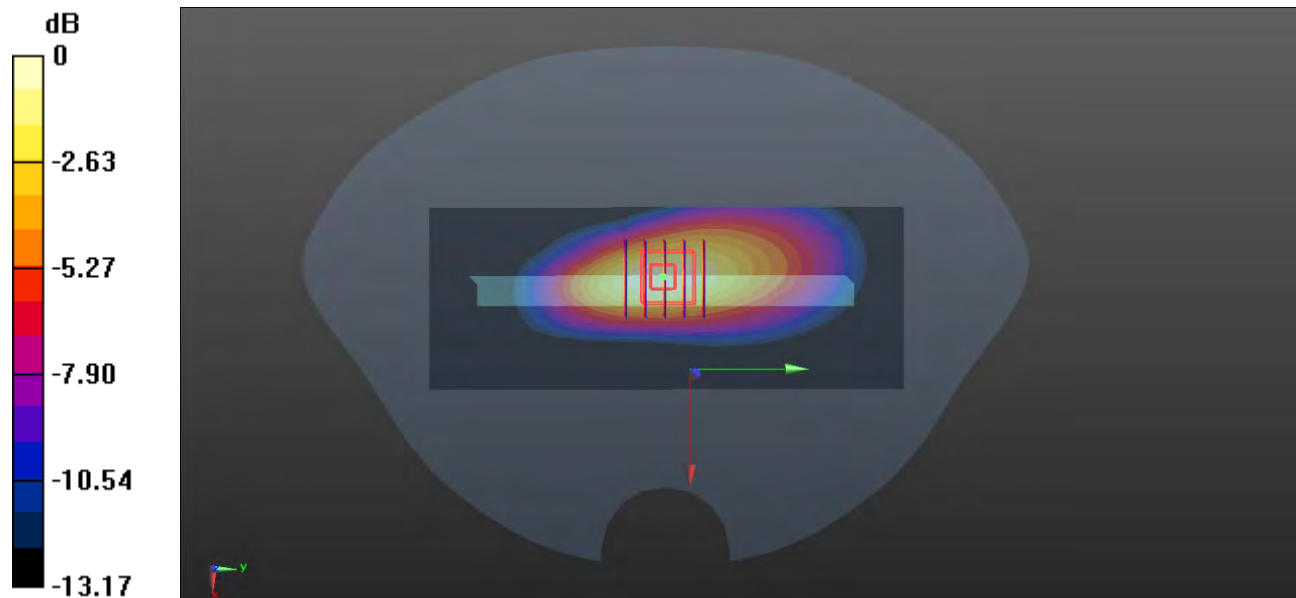
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.33 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.372 W/kg

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



0 dB = 0.701 W/kg

MEAS.4 Right Head with Tilt on Middle Channel in GPRS1900 4Slots mode with Antenna 3

Date: 2021.06.11

Communication System Band: GPRS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.08

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.405$ S/m; $\epsilon_r = 40.333$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.935 W/kg

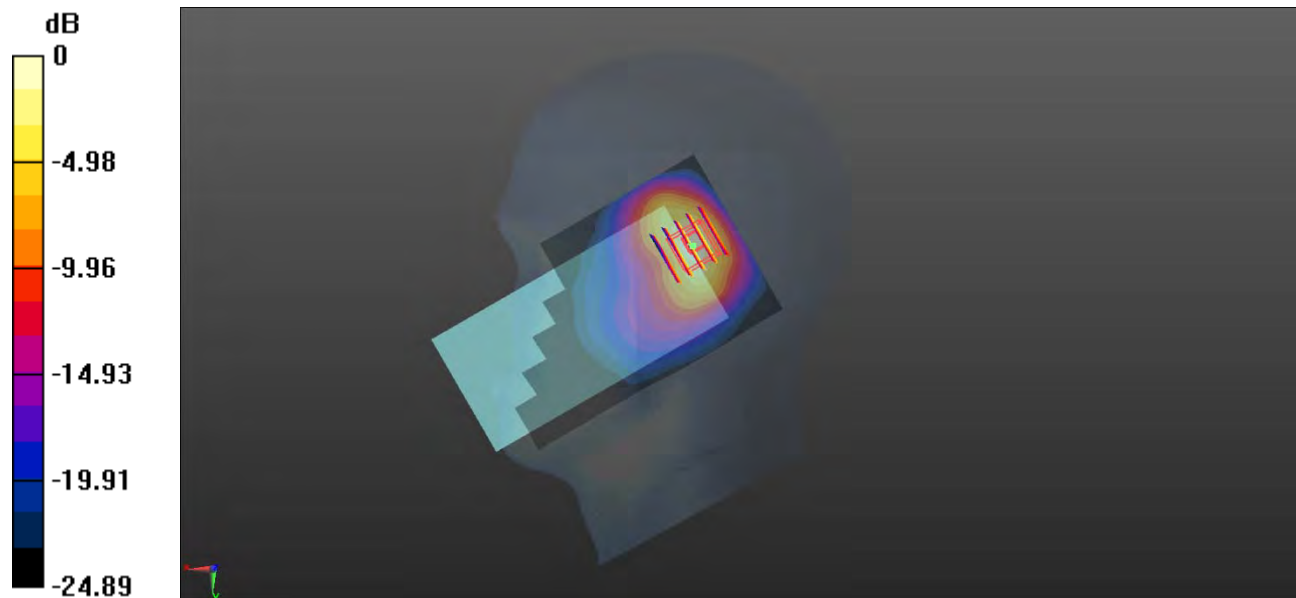
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.15 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.907 W/kg; SAR(10 g) = 0.414 W/kg

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



0 dB = 1.06 W/kg

MEAS.5 Body Plane with Back Side 15mm on Low Channel in GPRS1900 4Slots mode with Antenna 4

Date: 2021.06.11

Communication System Band: GPRS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.08

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 40.459$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.243 W/kg

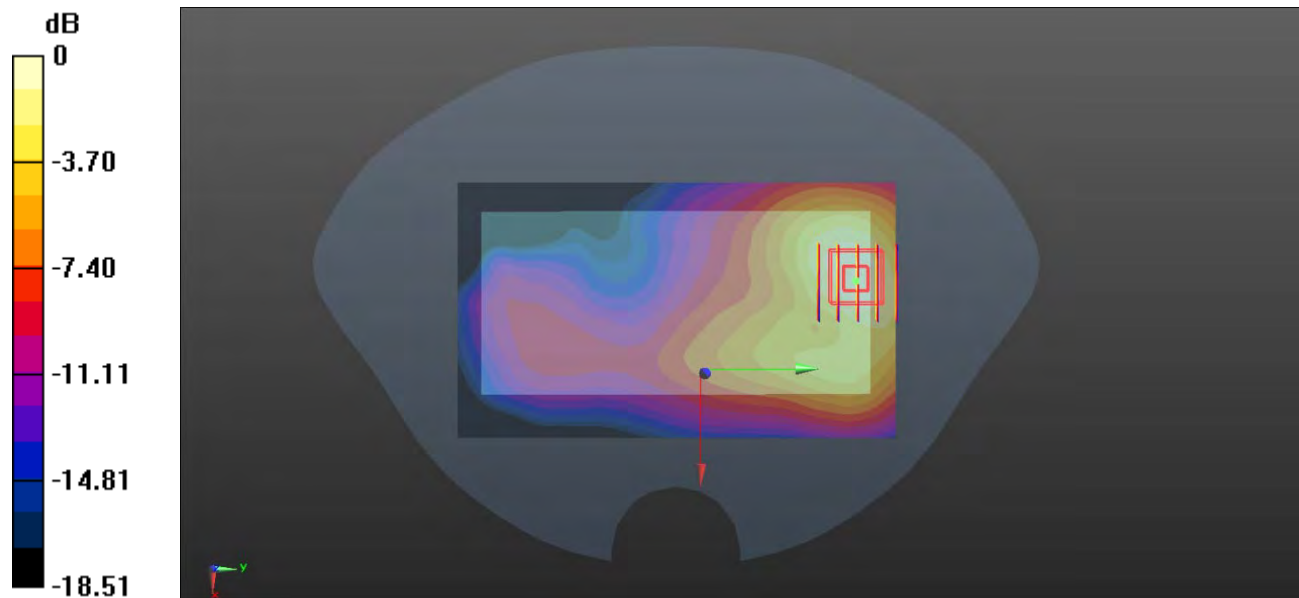
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.826 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.340 W/kg

SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.134 W/kg

Maximum value of SAR (measured) = 0.241 W/kg



0 dB = 0.241 W/kg

MEAS.6 Body Plane with Bottom Edge 10mm on Low Channel in GPRS1900 4Slots mode with Antenna 4

Date: 2021.06.11

Communication System Band: GPRS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.08

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 40.459$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch512/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.728 W/kg

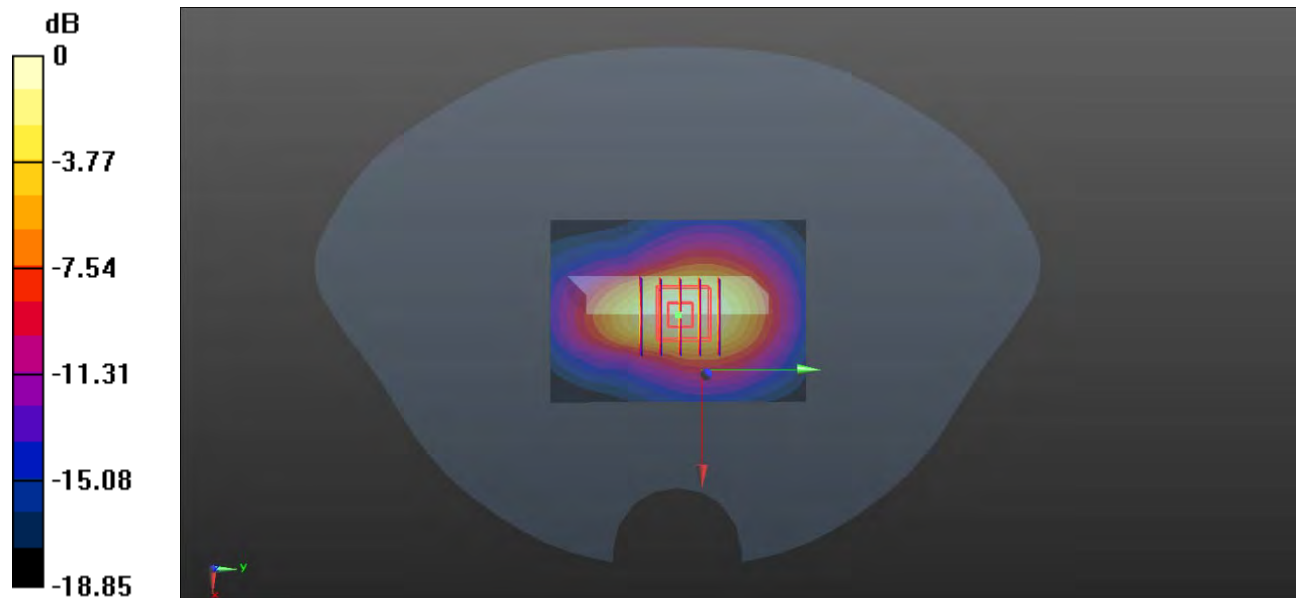
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.14 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.994 W/kg

SAR(1 g) = 0.594 W/kg; SAR(10 g) = 0.326 W/kg

Maximum value of SAR (measured) = 0.664 W/kg



0 dB = 0.664 W/kg

MEAS.7 Right Head with Tilt on Middle Channel in WCDMA Band 2 mode with Antenna 3

Date: 2021.06.12

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

Medium parameters used (interpolated): $f = 1880 \text{ MHz}$; $\sigma = 1.399 \text{ S/m}$; $\epsilon_r = 40.279$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Ambient Temperature: 22.3 Liquid Temperature: 21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.853 W/kg

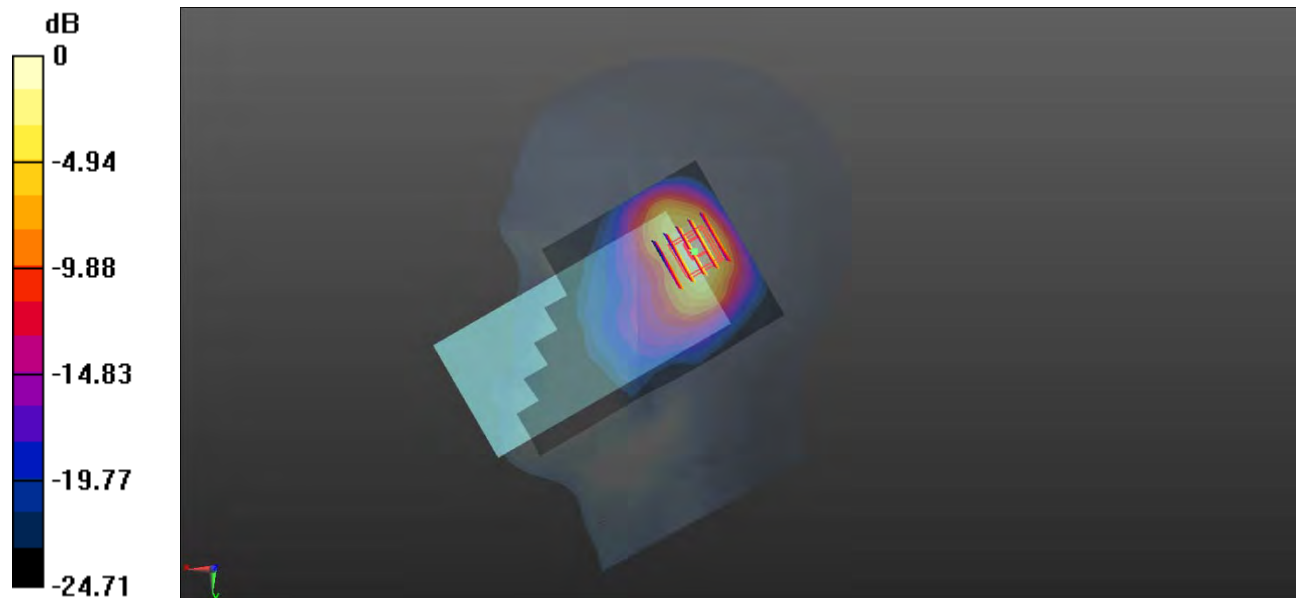
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.83 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.830 W/kg; SAR(10 g) = 0.379 W/kg

Maximum value of SAR (measured) = 0.975 W/kg



0 dB = 0.975 W/kg

MEAS.8 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band 2 mode with Antenna 4

Date: 2021.06.12

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

Medium parameters used (interpolated): $f = 1880 \text{ MHz}$; $\sigma = 1.399 \text{ S/m}$; $\epsilon_r = 40.279$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.280 W/kg

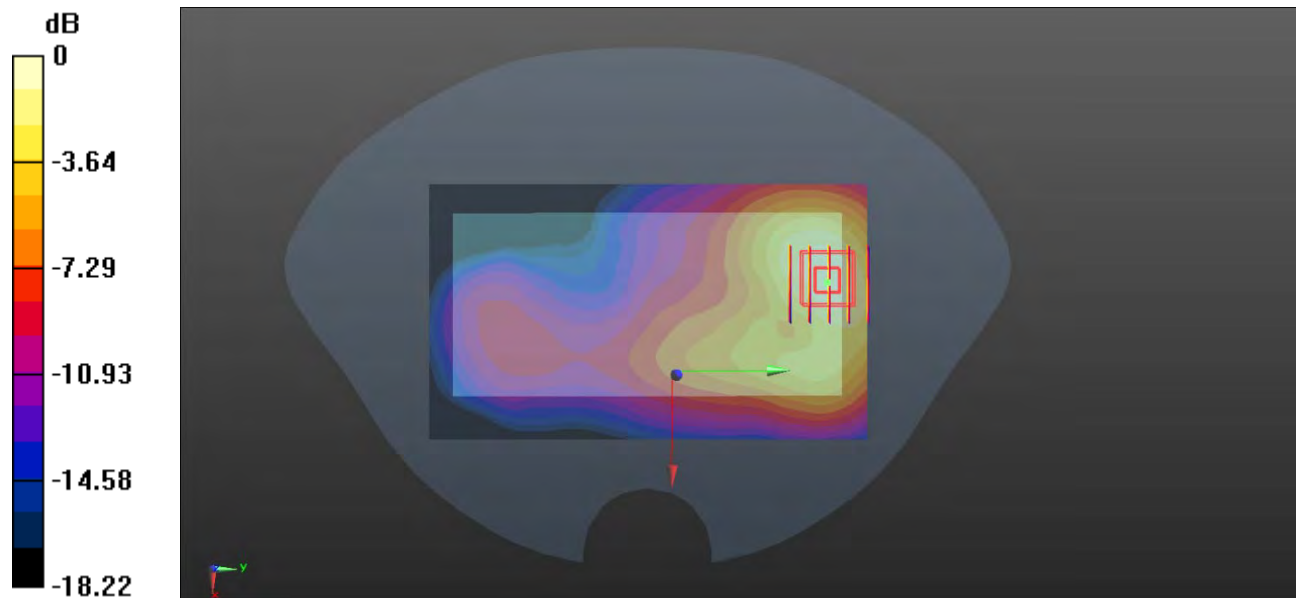
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.661 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.403 W/kg

SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.157 W/kg

Maximum value of SAR (measured) = 0.281 W/kg



0 dB = 0.281 W/kg

MEAS.9 Body Plane with Bottom Edge 10mm on Middle Channel in WCDMA Band 2 mode with Antenna 4

Date: 2021.06.12

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.399$ S/m; $\epsilon_r = 40.279$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.07 W/kg

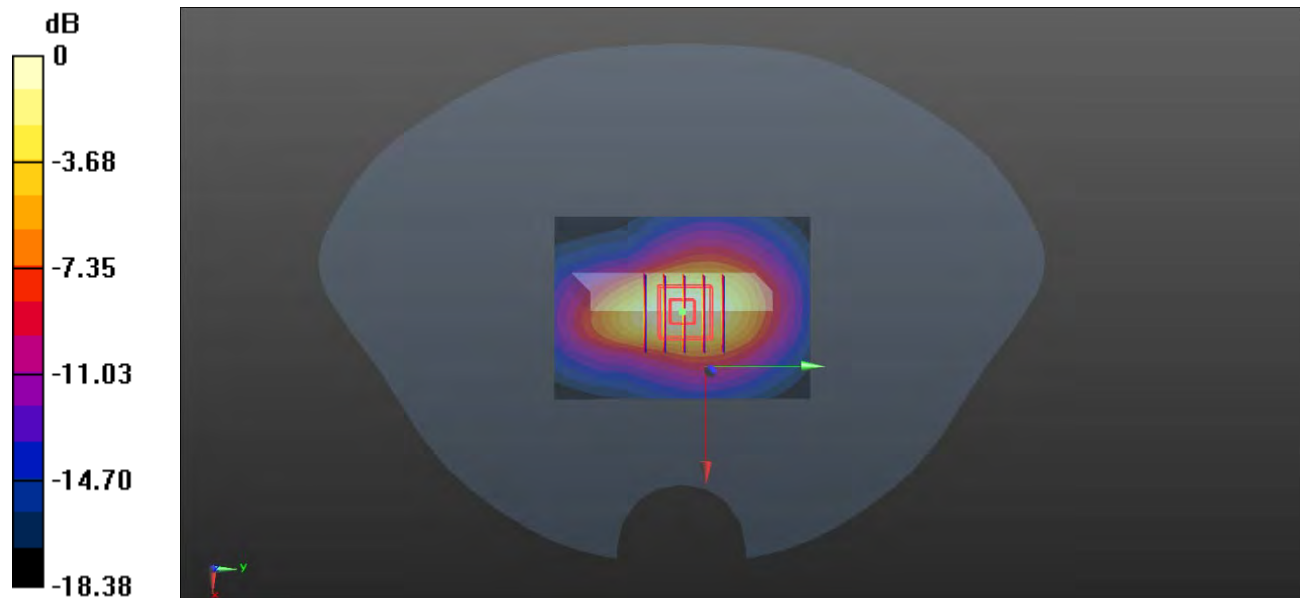
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.29 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.461 W/kg

Maximum value of SAR (measured) = 0.945 W/kg



0 dB = 0.945 W/kg

MEAS.10 Body Plane with Bottom Edge 0mm on Middle Channel in WCDMA Band 2 mode with Antenna 4

Date: 2021.06.12

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.399$ S/m; $\epsilon_r = 40.279$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.13 W/kg

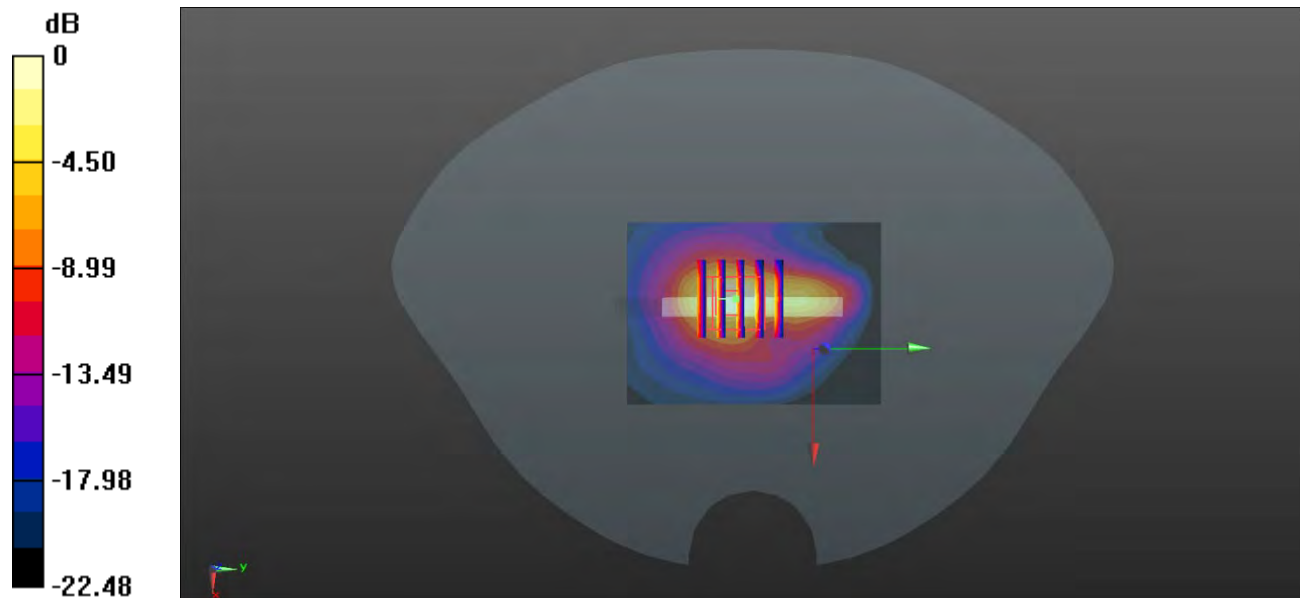
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 41.28 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.80 W/kg

SAR(1 g) = 1.61 W/kg; SAR(10 g) = 0.622 W/kg

Maximum value of SAR (measured) = 1.83 W/kg



0 dB = 1.83 W/kg

MEAS.11 Right Head with Tilt on Middle Channel in WCDMA Band 4 mode with Antenna 3

Date: 2021.06.04

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

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.376$ S/m; $\epsilon_r = 40.487$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch1412/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.444 W/kg

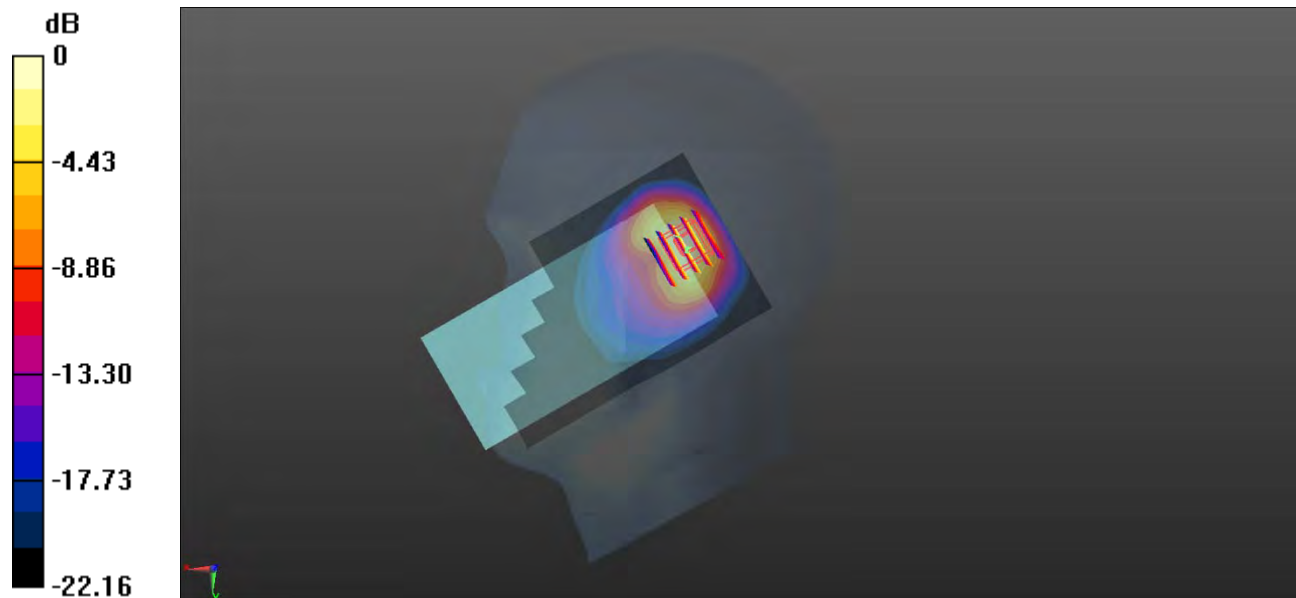
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.77 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.918 W/kg

SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.219 W/kg

Maximum value of SAR (measured) = 0.550 W/kg



0 dB = 0.550 W/kg

MEAS.12 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band 4 mode with Antenna 4

Date: 2021.06.04

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

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.376$ S/m; $\epsilon_r = 40.487$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch1412/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.224 W/kg

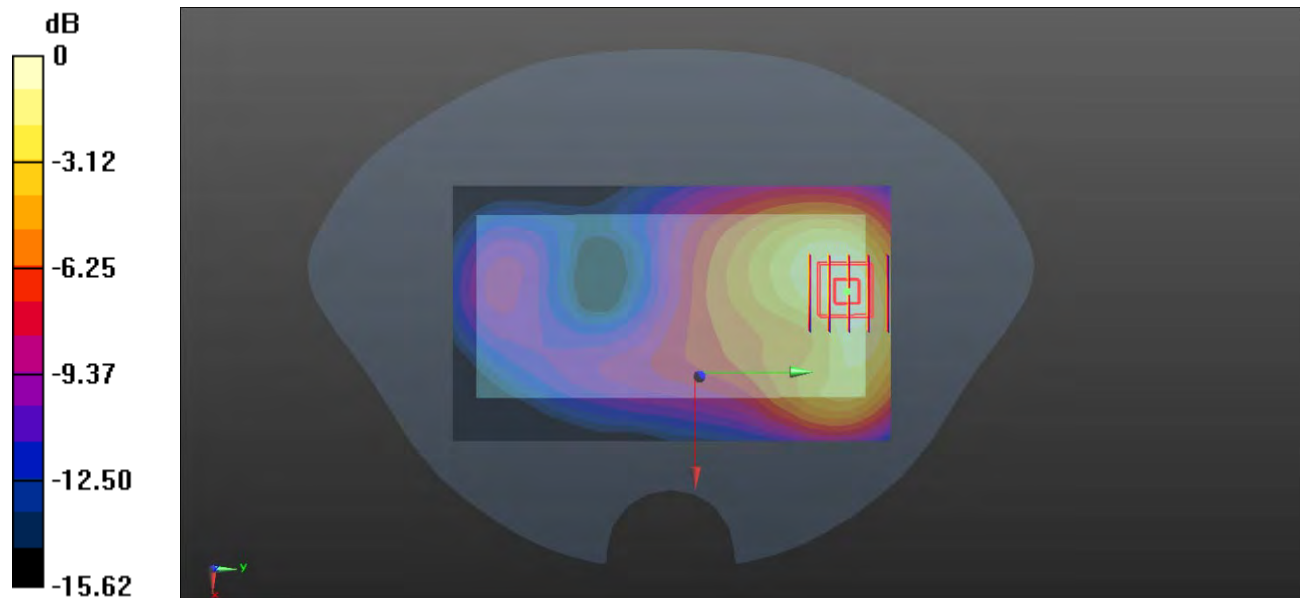
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.779 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.313 W/kg

SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.131 W/kg

Maximum value of SAR (measured) = 0.224 W/kg



0 dB = 0.224 W/kg

MEAS.13 Body Plane with Bottom Edge 10mm on Middle Channel in WCDMA Band 4 mode with Antenna 4

Date: 2021.06.04

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

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.376$ S/m; $\epsilon_r = 40.487$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch1412/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.874 W/kg

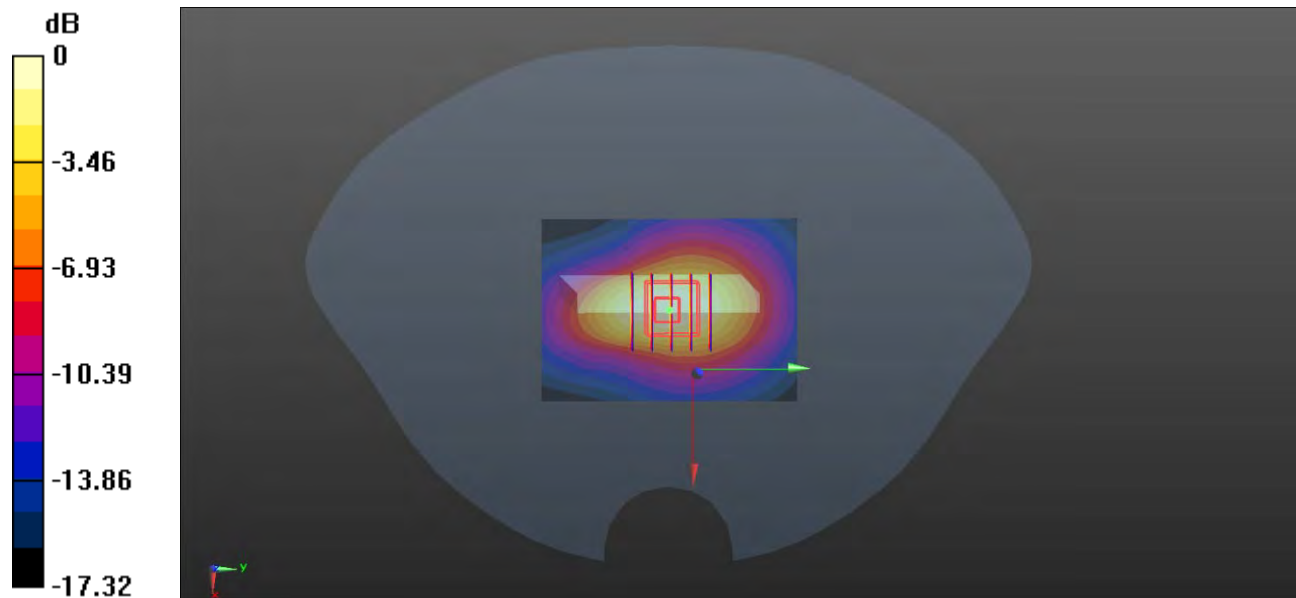
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.48 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.714 W/kg; SAR(10 g) = 0.406 W/kg

Maximum value of SAR (measured) = 0.794 W/kg



0 dB = 0.794 W/kg

MEAS.14 Left Head with Cheek on High Channel in WCDMA Band 5 mode with Antenna 0

Date: 2021.05.28

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

Medium parameters used: $f = 846.6$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 41.758$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.8 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.832 W/kg

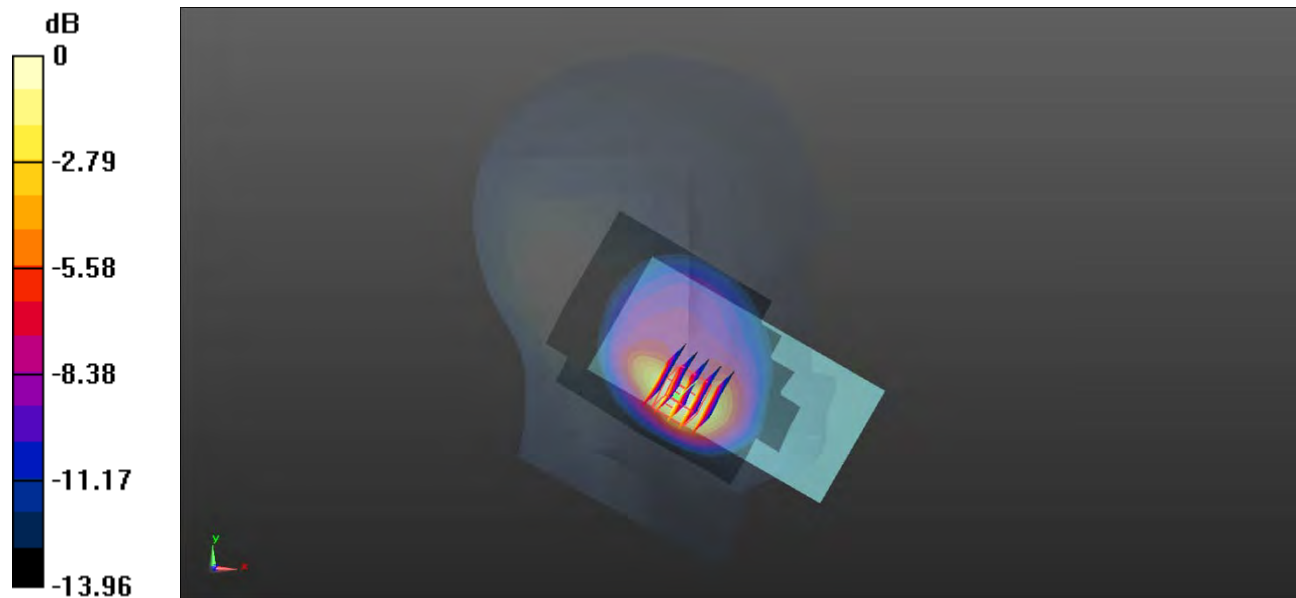
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.332 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.789 W/kg; SAR(10 g) = 0.419 W/kg

Maximum value of SAR (measured) = 0.854 W/kg



0 dB = 0.854 W/kg

MEAS.15 Body Plane with Back Side 15mm on Low Channel in WCDMA Band 5 mode with Antenna 0

Date: 2021.05.28

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

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 41.923$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch4132/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

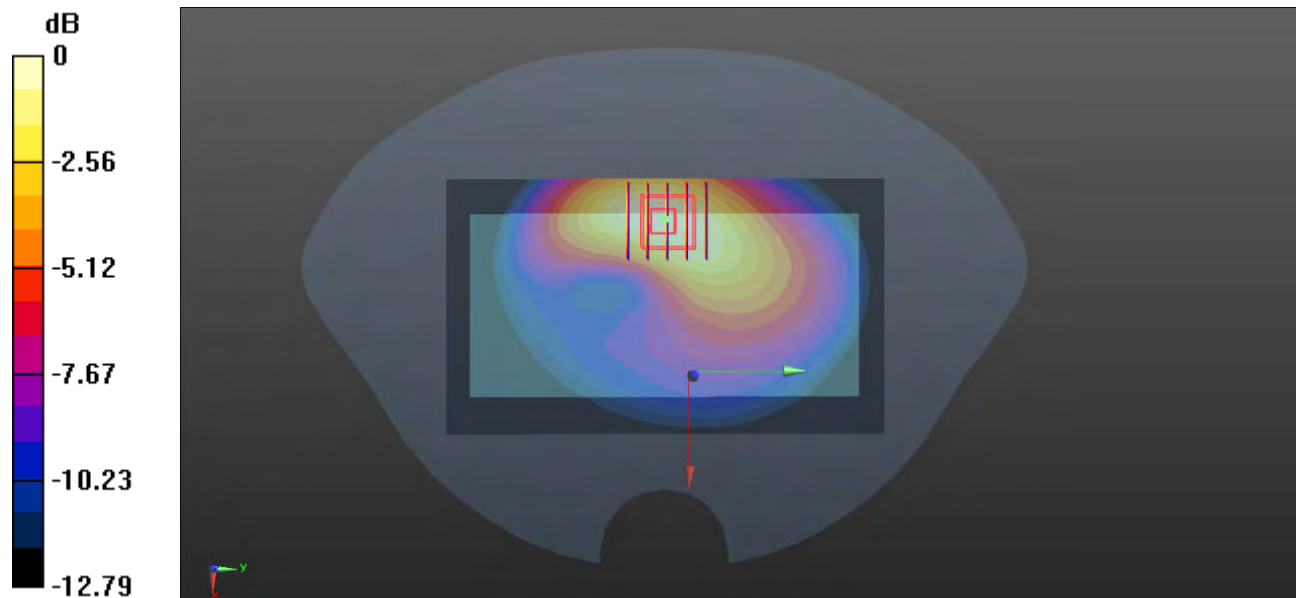
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.889 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.490 W/kg

SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.193 W/kg

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



0 dB = 0.334 W/kg

MEAS.16 Body Plane with Right Edge 10mm on Middle Channel in WCDMA Band 5 mode with Antenna 0

Date: 2021.05.28

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

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 41.923$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch4132/Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.737 W/kg

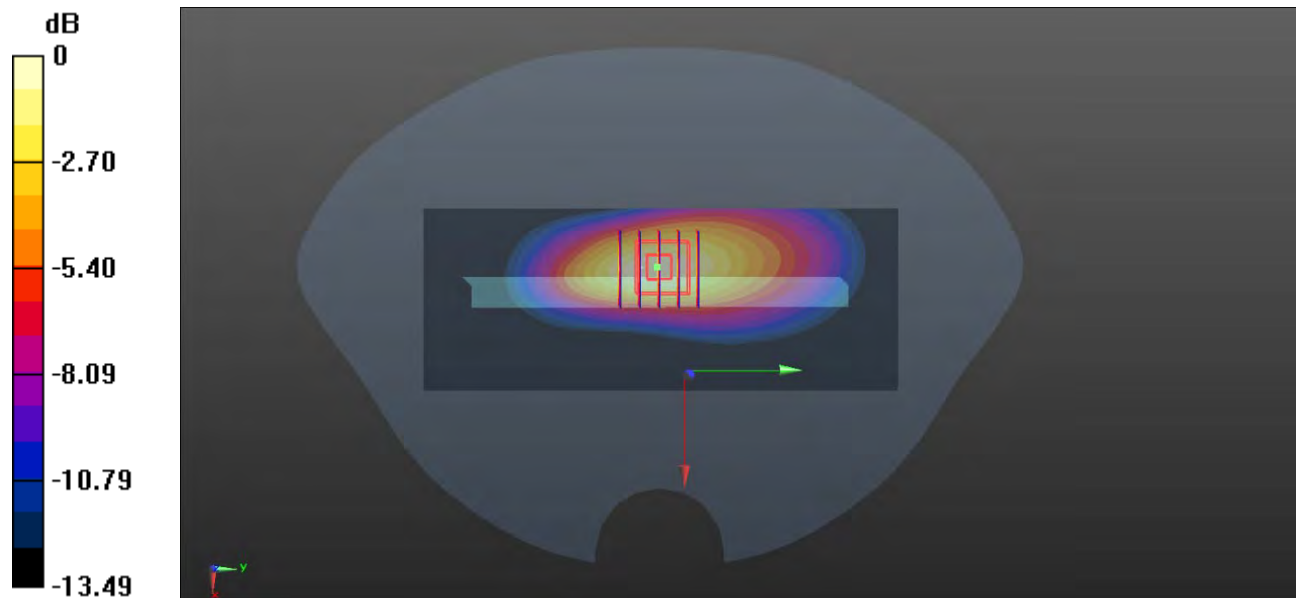
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.82 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.393 W/kg

Maximum value of SAR (measured) = 0.752 W/kg



0 dB = 0.752 W/kg

MEAS.17 Right Head with Tilt on High Channel in LTE Band 2 mode with Antenna 3

Date: 2021.06.13

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.411$ S/m; $\epsilon_r = 39.923$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

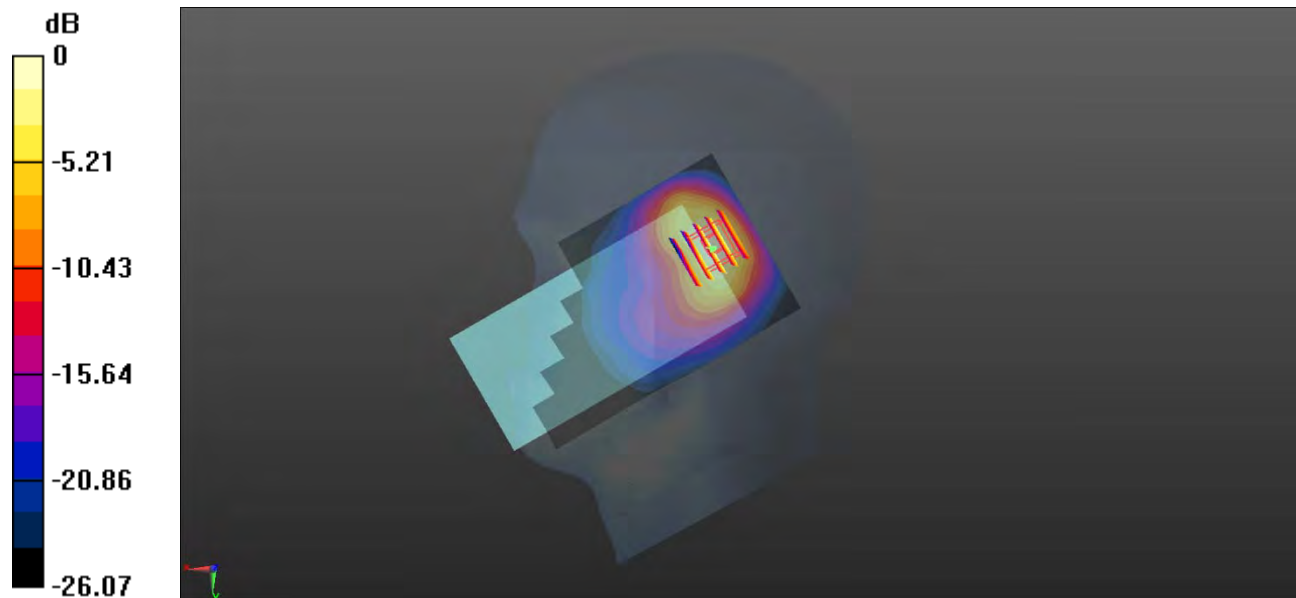
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.89 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.421 W/kg

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



0 dB = 1.03 W/kg

MEAS.18 Body Plane with Back Side 15mm on Middle Channel in LTE Band 2 mode with Antenna 4

Date: 2021.06.14

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.402$ S/m; $\epsilon_r = 40.163$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.347 W/kg

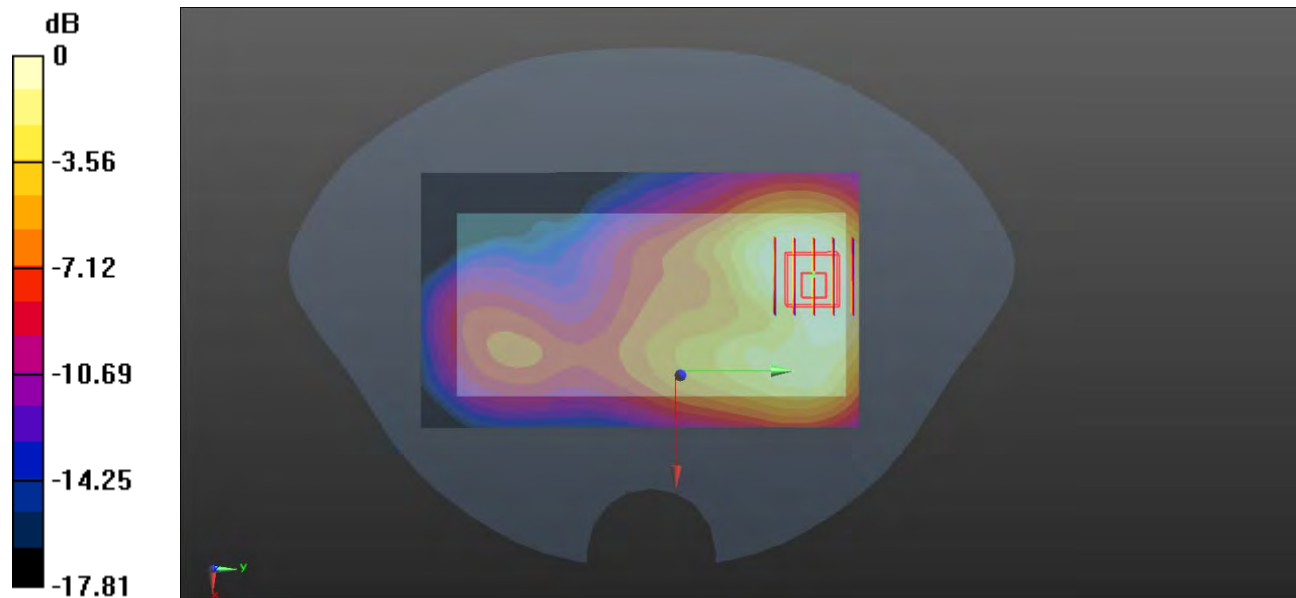
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.903 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.246 W/kg



0 dB = 0.246 W/kg

MEAS.19 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band 2 mode with Antenna 4

Date: 2021.06.14

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.402$ S/m; $\epsilon_r = 40.163$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

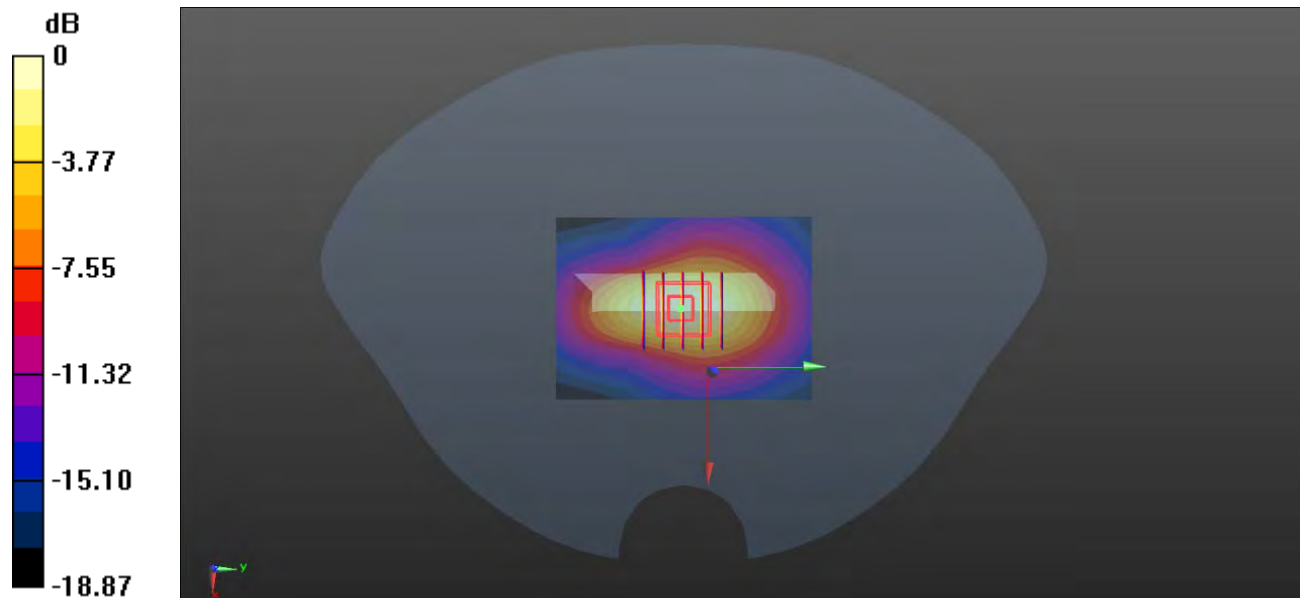
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.87 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.667 W/kg; SAR(10 g) = 0.365 W/kg

Maximum value of SAR (measured) = 0.749 W/kg



0 dB = 0.749 W/kg

MEAS.20 Right Head with Tilt on High Channel in LTE Band 4 mode with Antenna 3

Date: 2021.06.09

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.389$ S/m; $\epsilon_r = 40.128$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch20300/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.439 W/kg

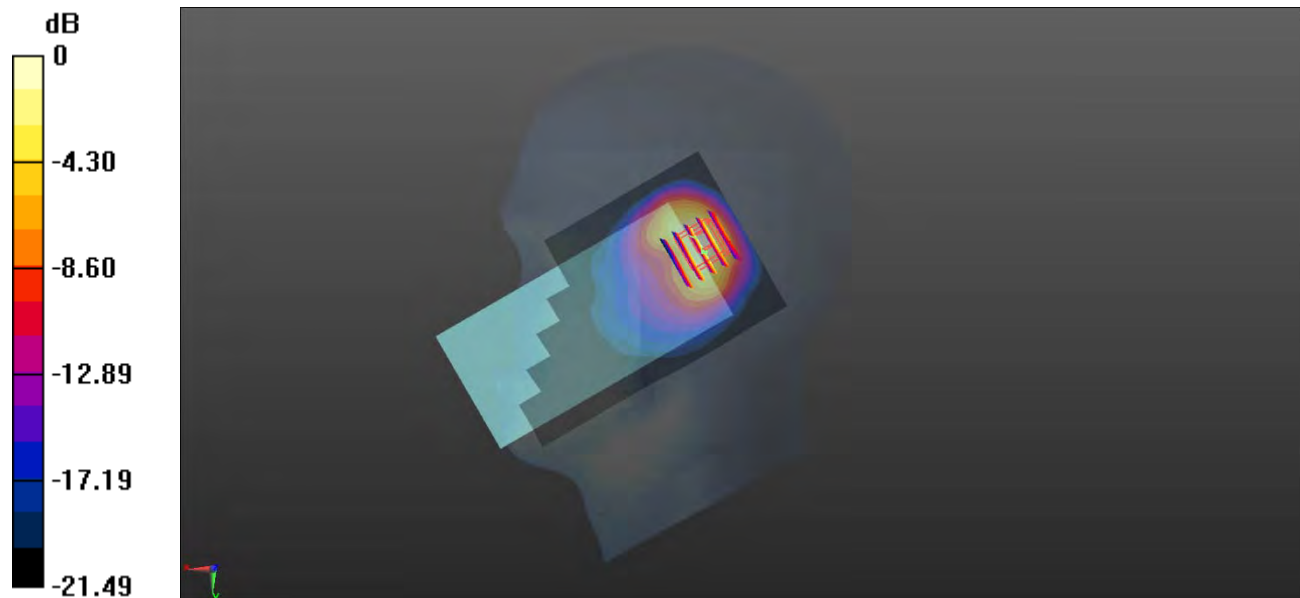
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.81 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.902 W/kg

SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.220 W/kg

Maximum value of SAR (measured) = 0.553 W/kg



0 dB = 0.553 W/kg

MEAS.21 Body Plane with Back Side 15mm on Low Channel in LTE Band 4 mode with Antenna 4

Date: 2021.06.10

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1720$ MHz; $\sigma = 1.357$ S/m; $\epsilon_r = 40.486$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch20050/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.329 W/kg

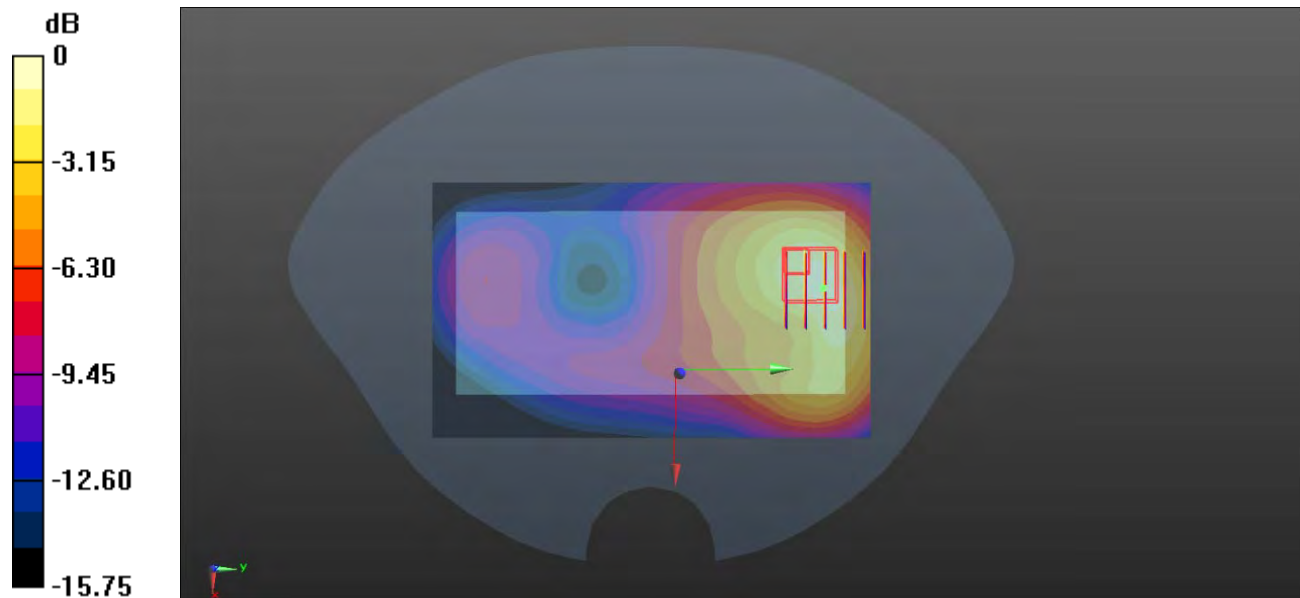
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.539 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.504 W/kg

SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.202 W/kg

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



0 dB = 0.364 W/kg

MEAS.22 Body Plane with Bottom Edge 10mm on High Channel in LTE Band 4 mode with Antenna 4

Date: 2021.06.10

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.381$ S/m; $\epsilon_r = 40.252$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch20300/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.902 W/kg

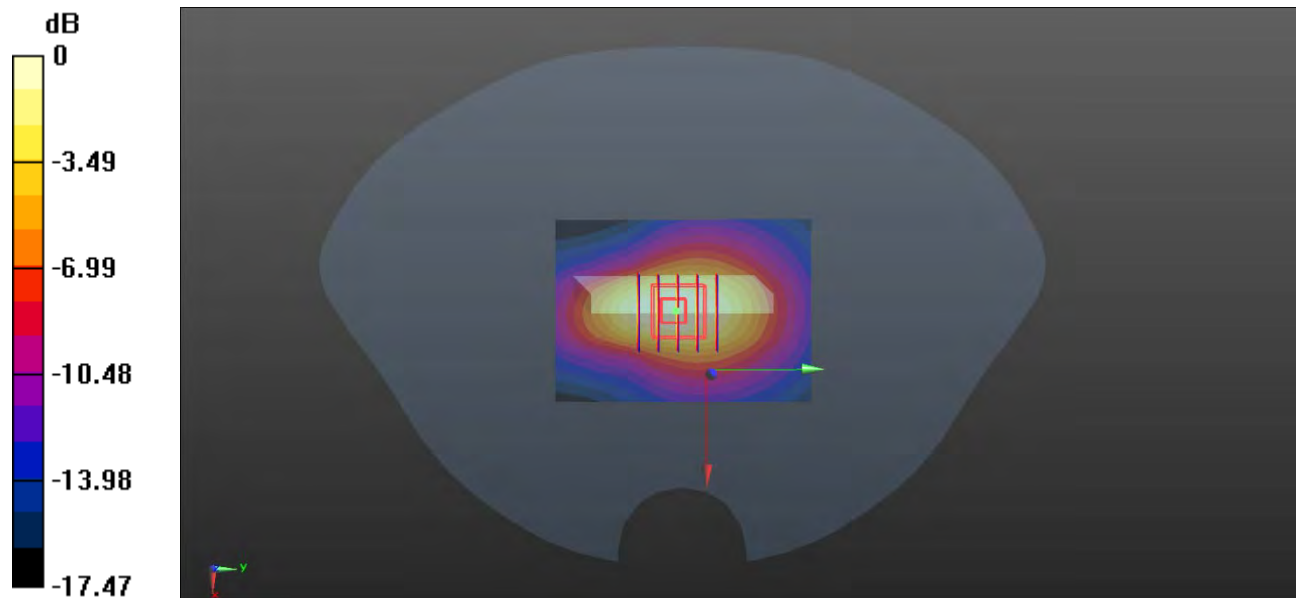
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.88 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.731 W/kg; SAR(10 g) = 0.415 W/kg

Maximum value of SAR (measured) = 0.813 W/kg



0 dB = 0.813 W/k

MEAS.23 Right Head with Tilt on Low Channel in LTE Band 7 mode with Antenna 3

Date: 2021.05.27

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2510$ MHz; $\sigma = 1.861$ S/m; $\epsilon_r = 39.624$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

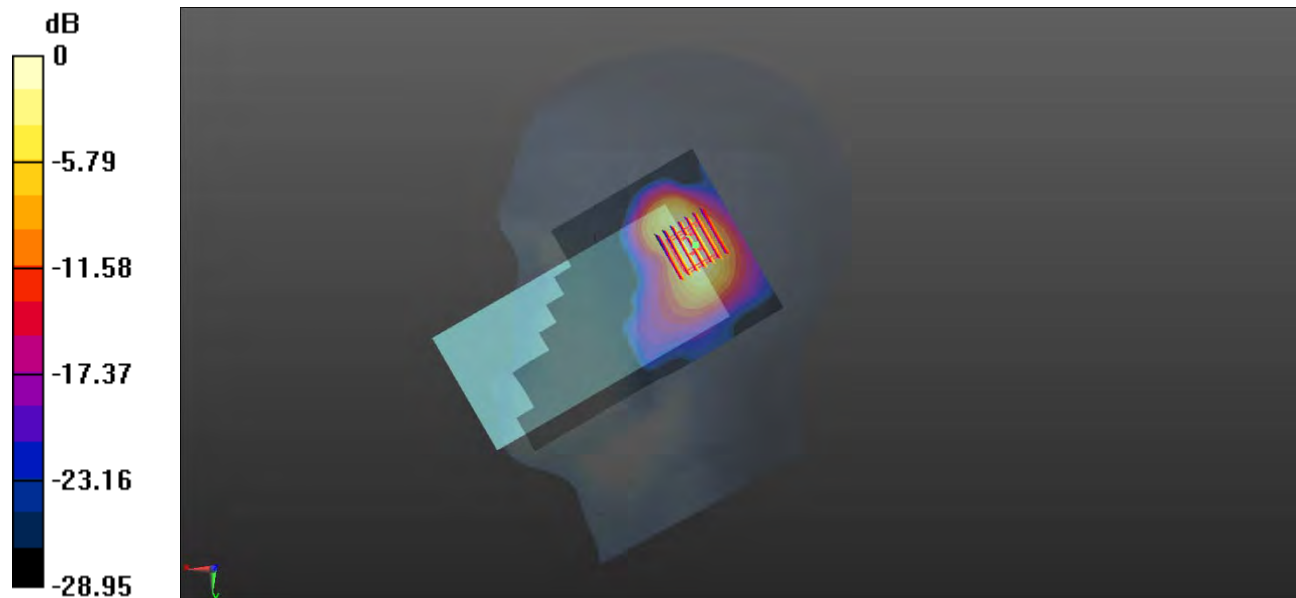
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.68 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.44 W/kg

SAR(1 g) = 0.945 W/kg; SAR(10 g) = 0.397 W/kg

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



0 dB = 1.09 W/kg

MEAS.24 Body Plane with Back Side 15mm on Low Channel in LTE Band 7 mode with Antenna 4

Date: 2021.05.28

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2510$ MHz; $\sigma = 1.878$ S/m; $\epsilon_r = 39.641$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

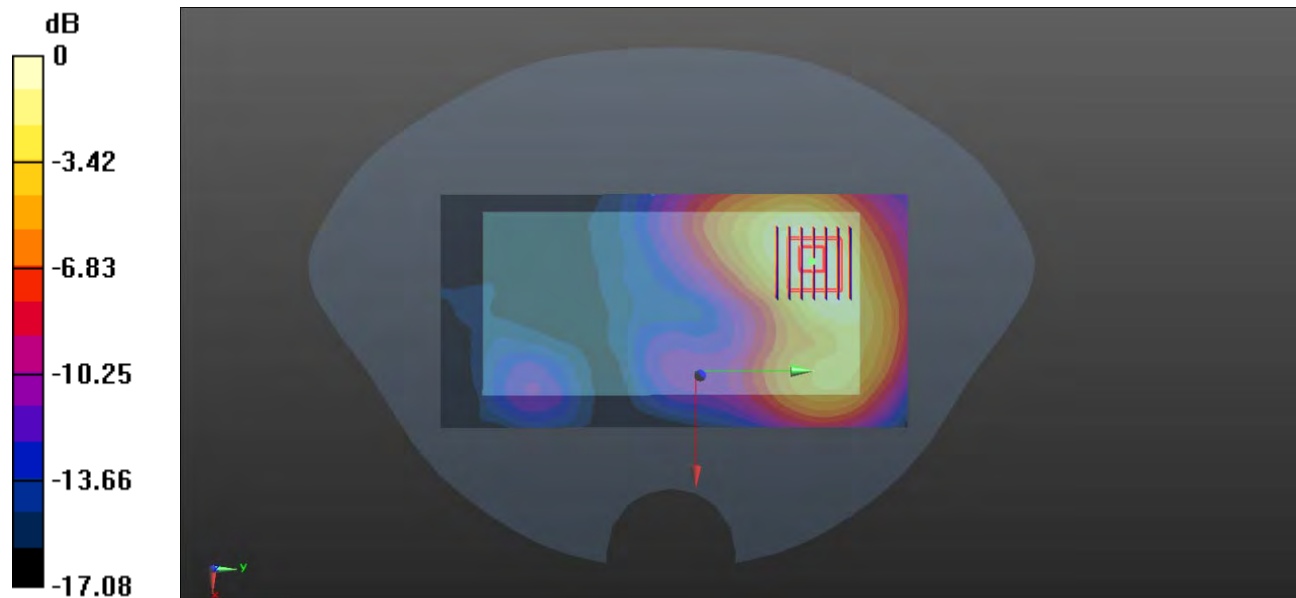
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.939 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.858 W/kg

SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.245 W/kg

Maximum value of SAR (measured) = 0.493 W/kg



0 dB = 0.493 W/kg

MEAS.25 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band 7 mode with Antenna 4

Date: 2021.05.28

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.908$ S/m; $\epsilon_r = 39.514$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.22 W/kg

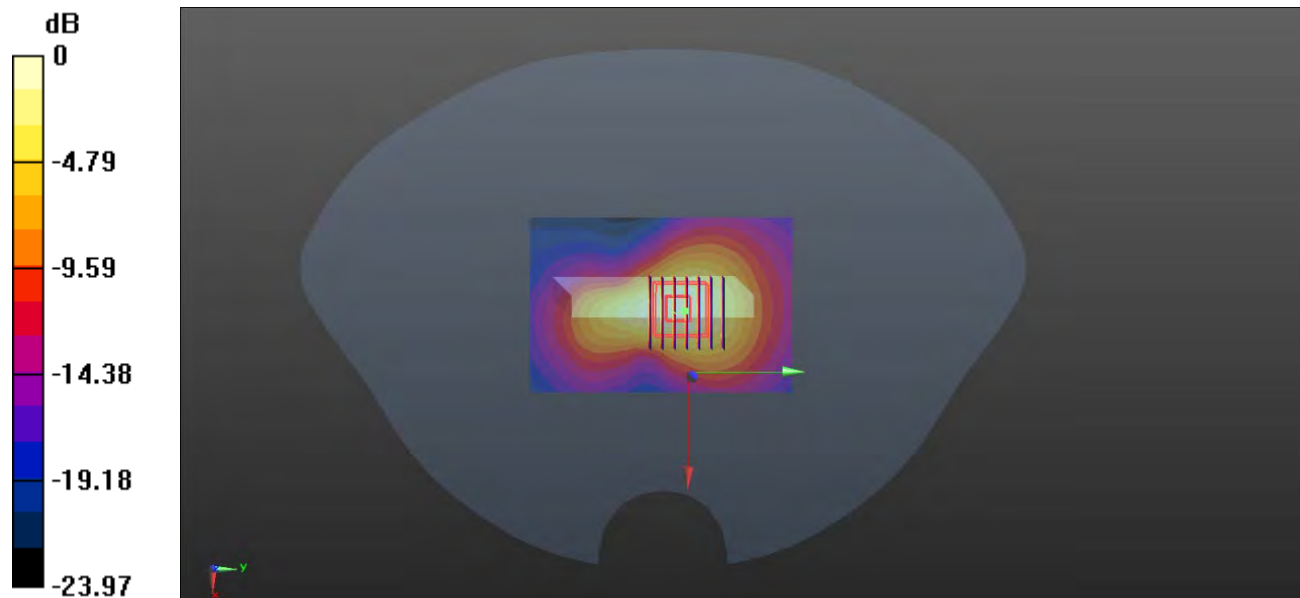
Ch21100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.90 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.991 W/kg; SAR(10 g) = 0.510 W/kg

Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg

MEAS.26 Body Plane with Bottom Edge 0mm on Middle Channel in LTE Band 7 mode with Antenna 4

Date: 2021.05.28

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.908$ S/m; $\epsilon_r = 39.514$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- 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) = 5.72 W/kg

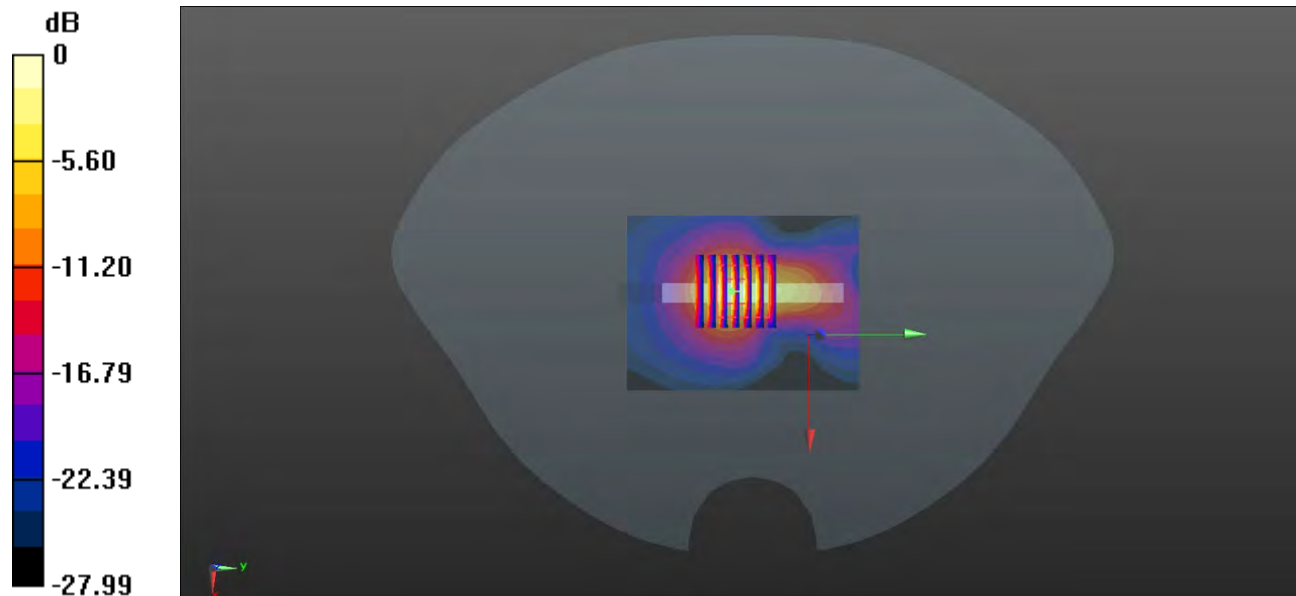
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.07 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 20.7 W/kg

SAR(1 g) = 6.11 W/kg; SAR(10 g) = 1.97 W/kg

Maximum value of SAR (measured) = 7.50 W/kg



0 dB = 7.50 W/kg

MEAS.27 Left Head with Cheek on Low Channel in LTE Band 12 mode with Antenna 0

Date: 2021.05.26

Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 704 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 704$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 42.212$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.31, 10.31, 10.31); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.598 W/kg

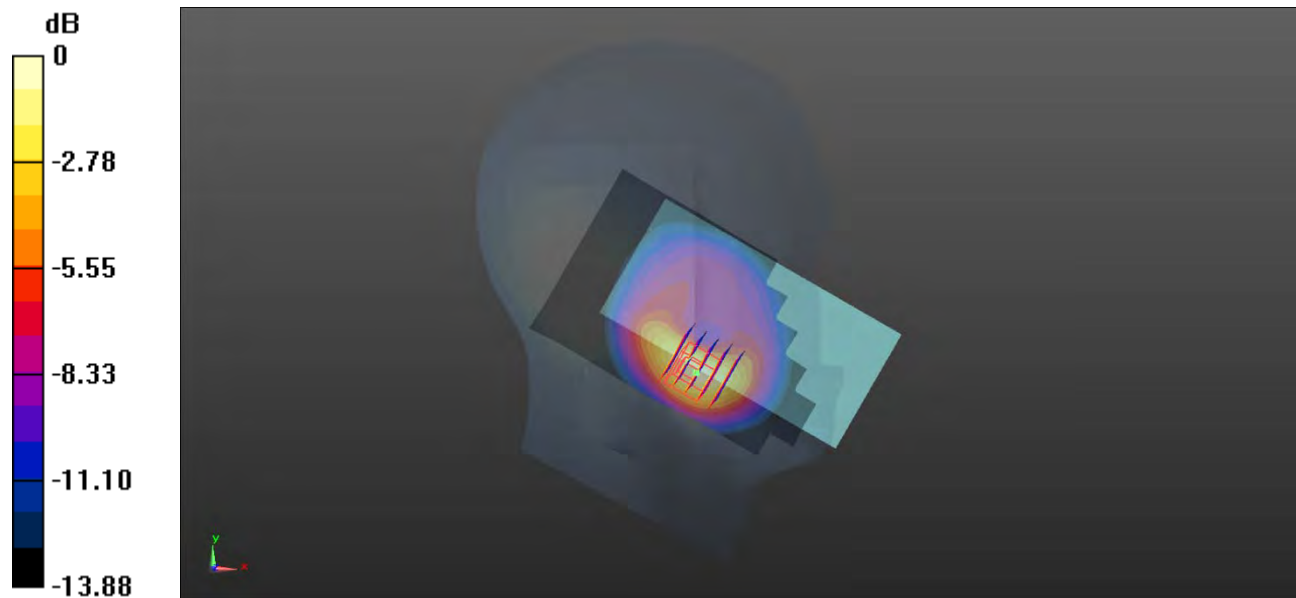
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.110 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.320 W/kg

Maximum value of SAR (measured) = 0.674 W/kg



0 dB = 0.674 W/kg

MEAS.28 Body Plane with Back Side 15mm on Low Channel in LTE Band 12 mode with Antenna 0

Date: 2021.05.26

Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 704 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 704$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 42.212$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.31, 10.31, 10.31); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.272 W/kg

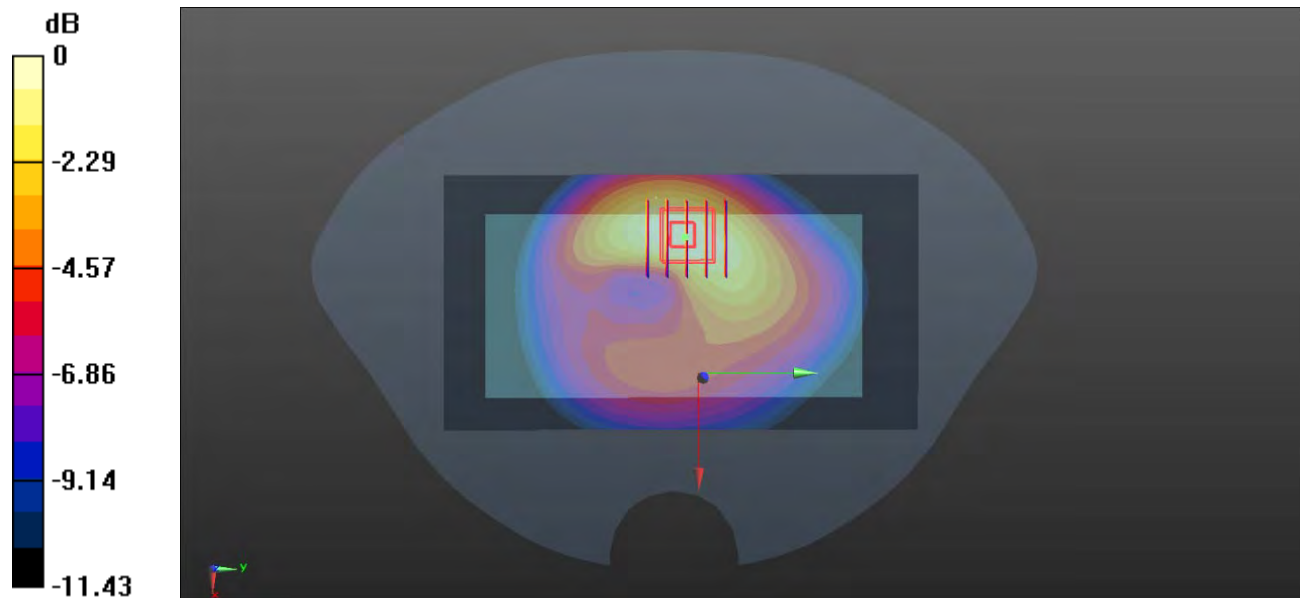
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.892 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.372 W/kg

SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.272 W/kg



0 dB = 0.272 W/kg

MEAS.29 Body Plane with Right Edge 10mm on Low Channel in LTE Band 12 mode with Antenna 0

Date: 2021.05.26

Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 704 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 704$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 42.212$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.7

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.31, 10.31, 10.31); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

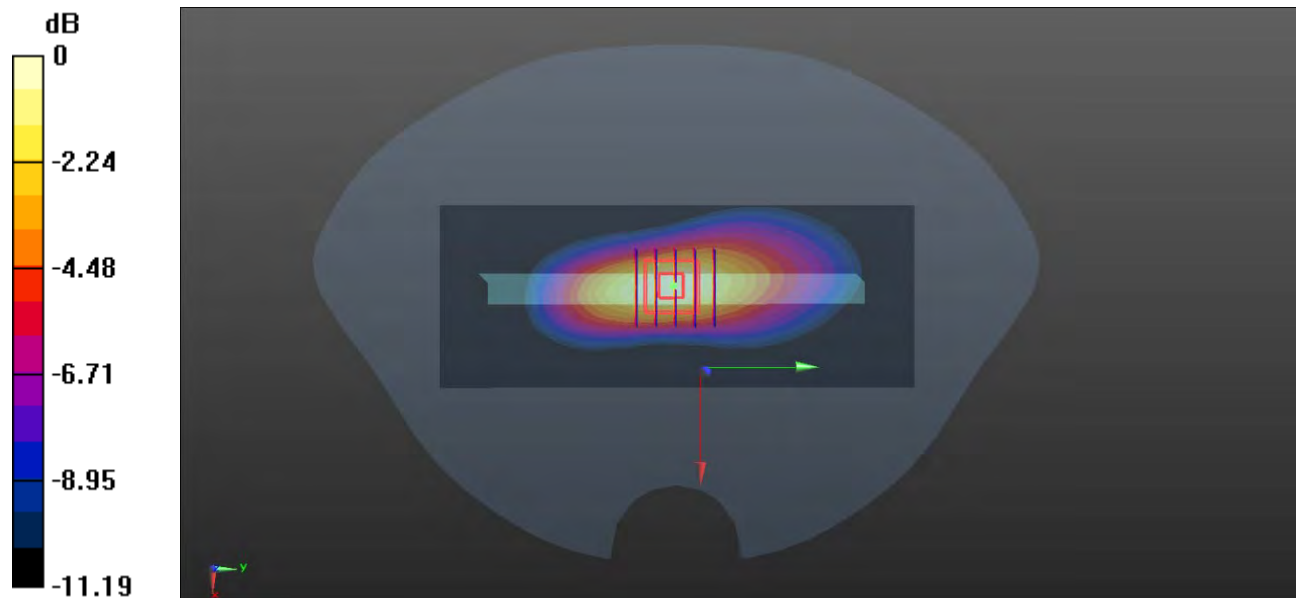
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.55 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.824 W/kg

SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.311 W/kg

Maximum value of SAR (measured) = 0.570 W/kg



0 dB = 0.570 W/kg

MEAS.30 Left Head with Cheek on High Channel in LTE Band 26 mode with Antenna 0

Date: 2021.06.01

Communication System Band: Band26; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 41.537$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch26965/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.760 W/kg

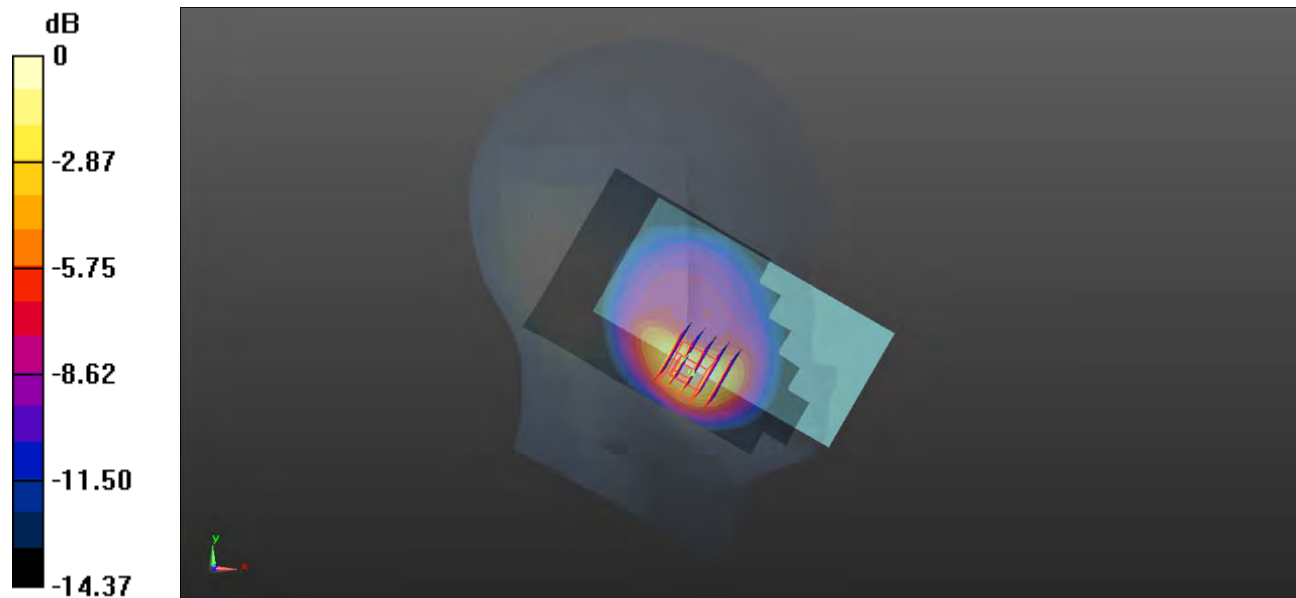
Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.467 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.752 W/kg; SAR(10 g) = 0.394 W/kg

Maximum value of SAR (measured) = 0.847 W/kg



0 dB = 0.847 W/kg

MEAS.31 Body Plane with Back Side 15mm on Low Channel in LTE Band 26 mode with Antenna 0

Date: 2021.06.01

Communication System Band: Band26; Frequency: 821.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 821.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 41.847$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch26765/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.318 W/kg

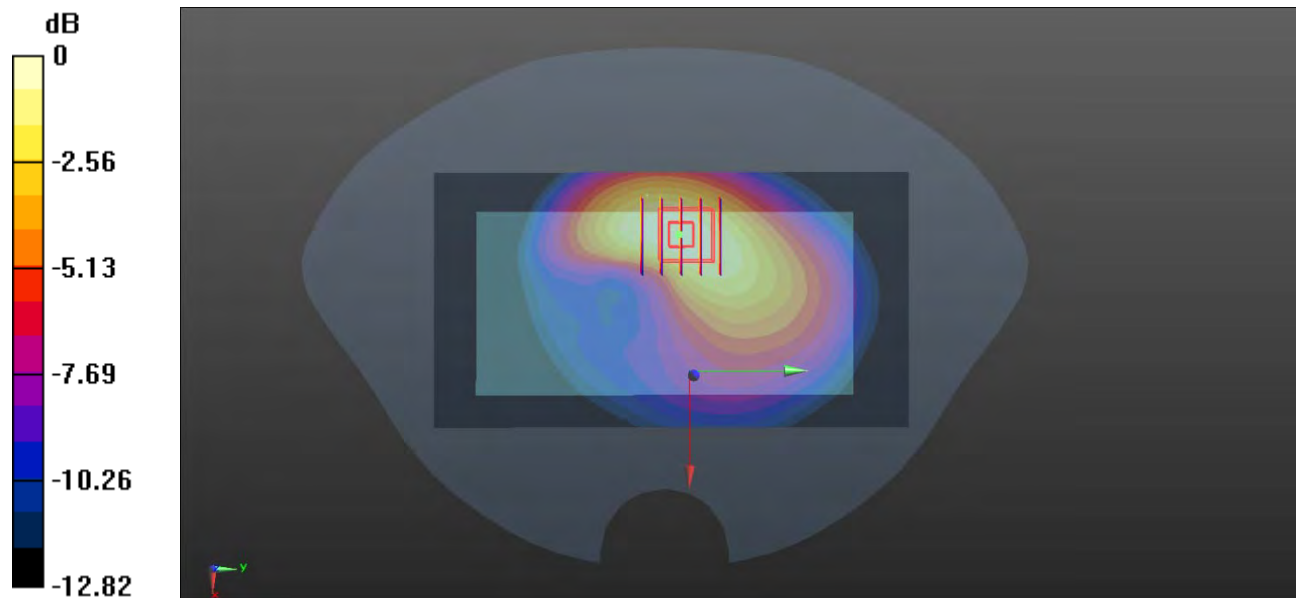
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.057 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.443 W/kg

SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.186 W/kg

Maximum value of SAR (measured) = 0.315 W/kg



0 dB = 0.315 W/kg

MEAS.32 Body Plane with Right Edge 10mm on Low Channel in LTE Band 26 mode with Antenna 0

Date: 2021.06.01

Communication System Band: Band26; Frequency: 821.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 821.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 41.847$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch26765/Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

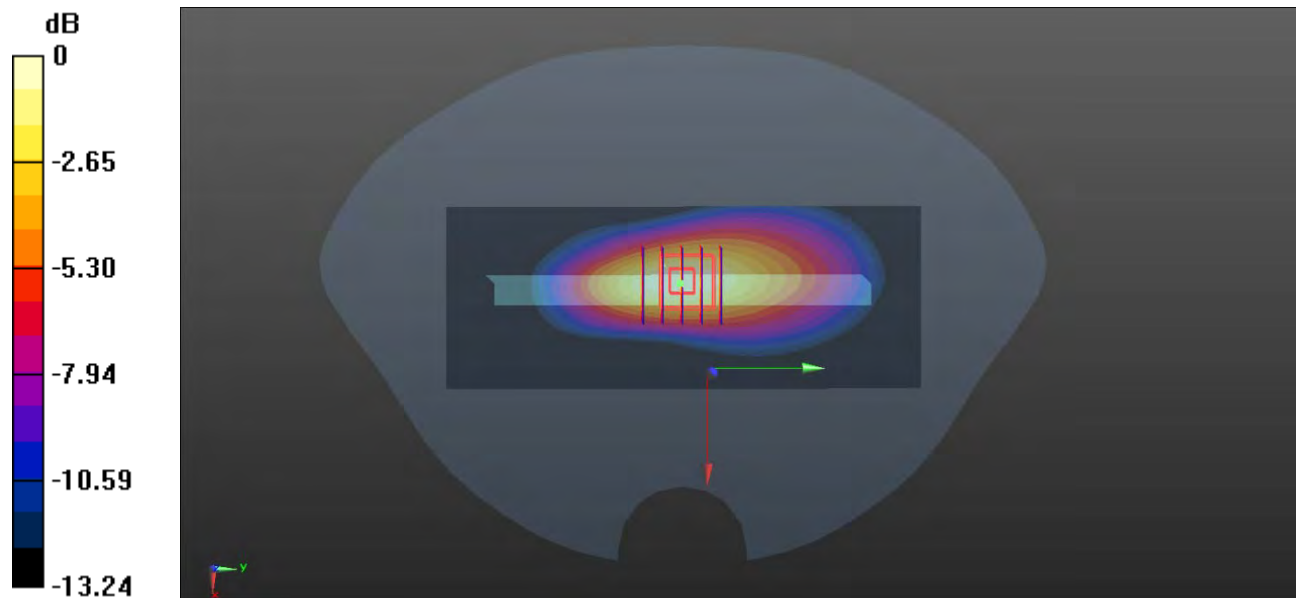
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.16 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.723 W/kg; SAR(10 g) = 0.416 W/kg

Maximum value of SAR (measured) = 0.804 W/kg



0 dB = 0.804 W/kg

MEAS.33 Right Head with Tilt on Middle Channel in LTE Band 66 mode with Antenna 3

Date: 2021.06.05

Communication System Band: Band66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.388$ S/m; $\epsilon_r = 40.199$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.353 W/kg

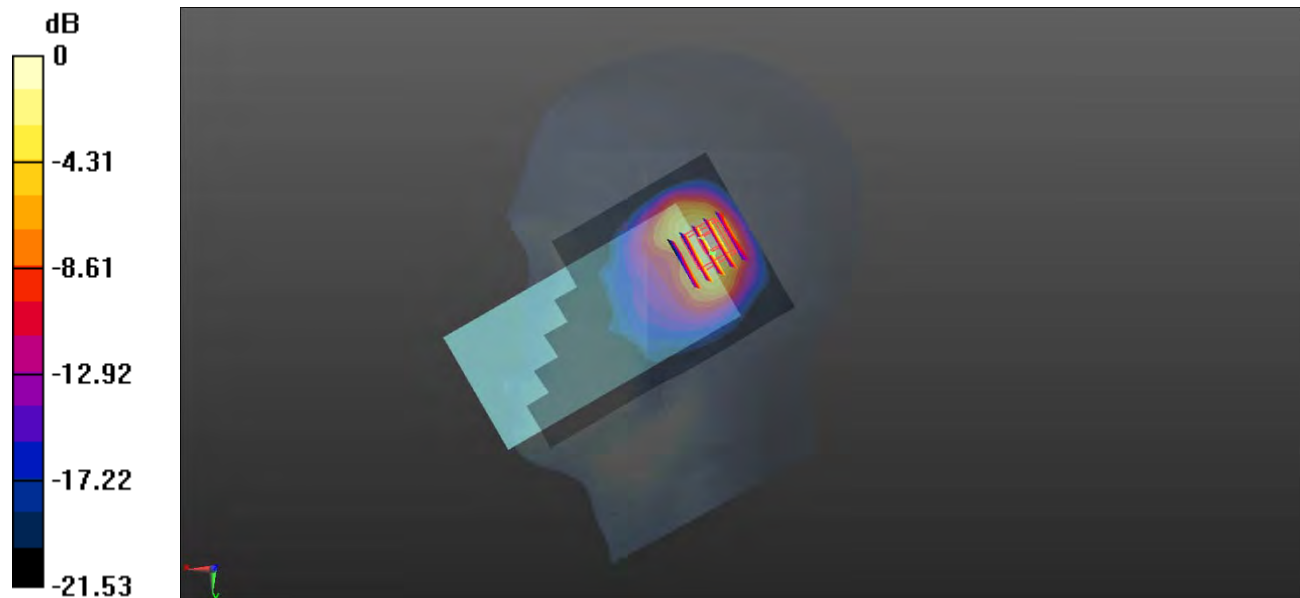
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.97 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.723 W/kg

SAR(1 g) = 0.373 W/kg; SAR(10 g) = 0.177 W/kg

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



0 dB = 0.447 W/kg

MEAS.34 Body Plane with Back Side 15mm on High Channel in LTE Band 66 mode with Antenna 4

Date: 2021.06.06

Communication System Band: Band66; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.402$ S/m; $\epsilon_r = 40.049$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch132572/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.412 W/kg

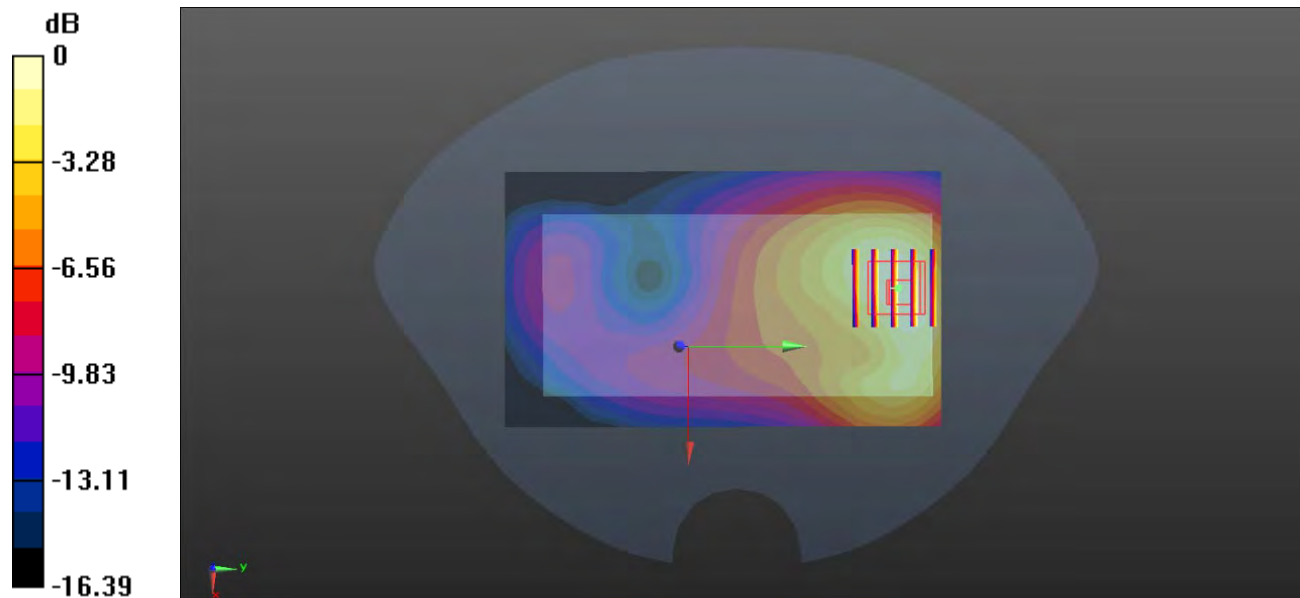
Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.465 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.590 W/kg

SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.238 W/kg

Maximum value of SAR (measured) = 0.413 W/kg



0 dB = 0.413 W/kg

MEAS.35 Body Plane with Bottom Edge 10mm on High Channel in LTE Band 66 mode with Antenna 4

Date: 2021.06.06

Communication System Band: Band66; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.402$ S/m; $\epsilon_r = 40.049$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch132572/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.888 W/kg

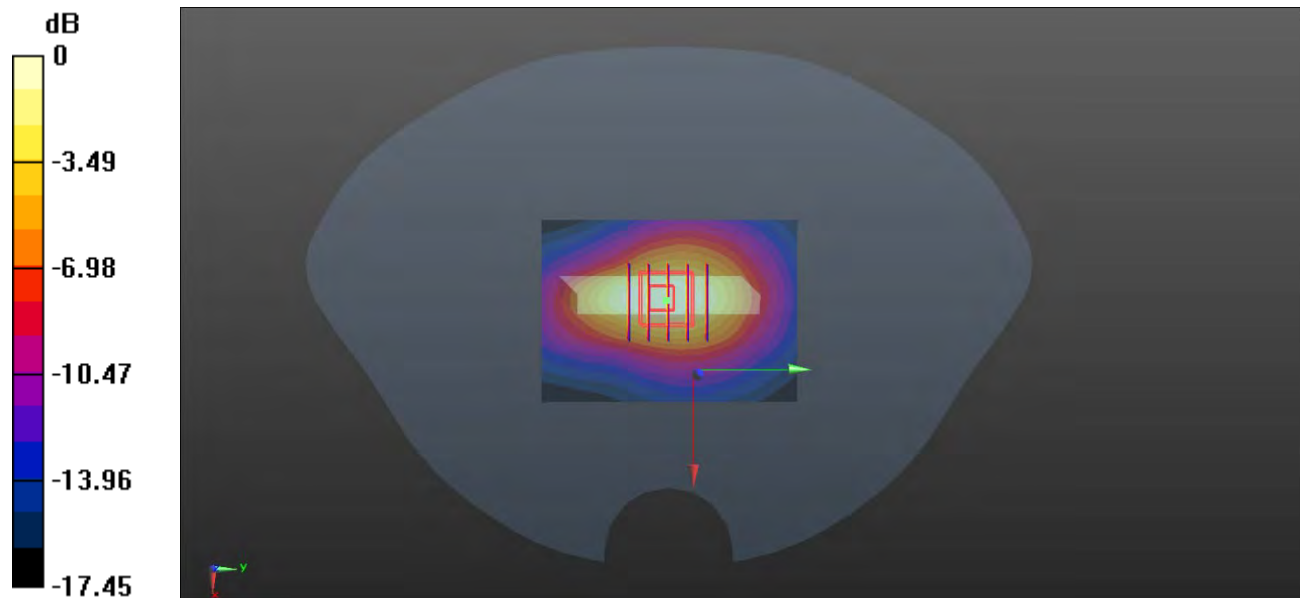
Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.18 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.758 W/kg; SAR(10 g) = 0.428 W/kg

Maximum value of SAR (measured) = 0.835 W/kg



0 dB = 0.835 W/kg

MEAS.36 Right Head with Tilt on Low Channel in LTE Band 38 mode with Antenna 3

Date: 2021.06.03

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.926$ S/m; $\epsilon_r = 39.181$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.848 W/kg

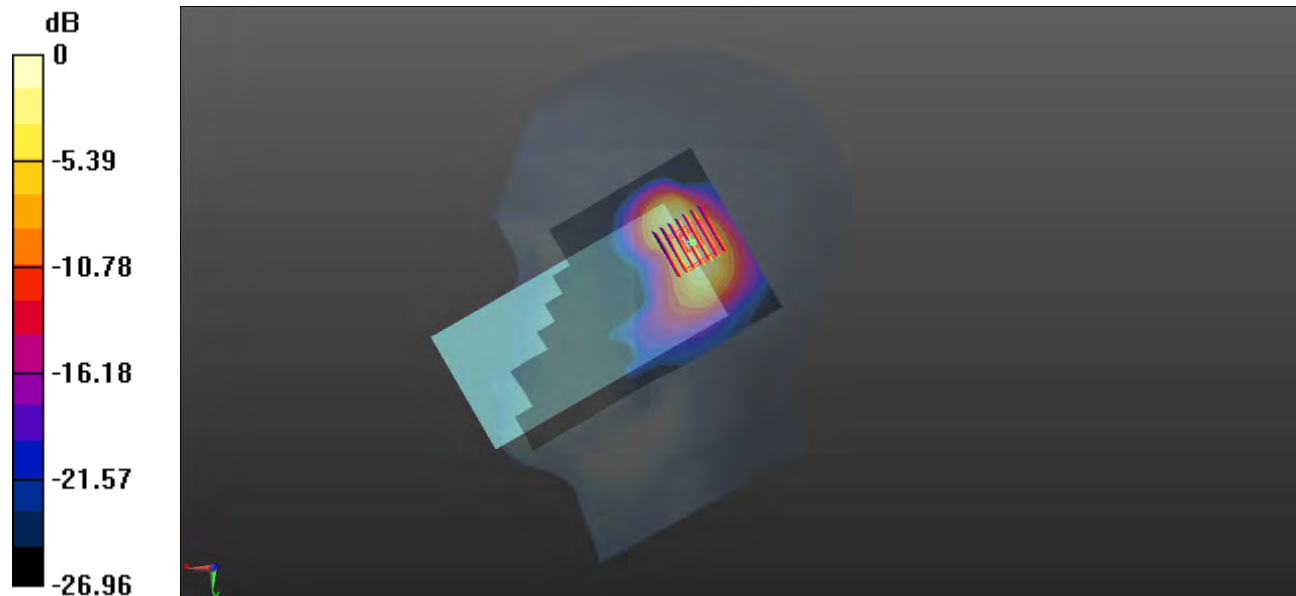
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.44 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.313 W/kg

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



0 dB = 0.862 W/kg

MEAS.37 Body Plane with Back Side 15mm on High Channel in LTE Band 38 mode with Antenna 4

Date: 2021.06.04

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2610 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2610$ MHz; $\sigma = 1.97$ S/m; $\epsilon_r = 38.912$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.312 W/kg

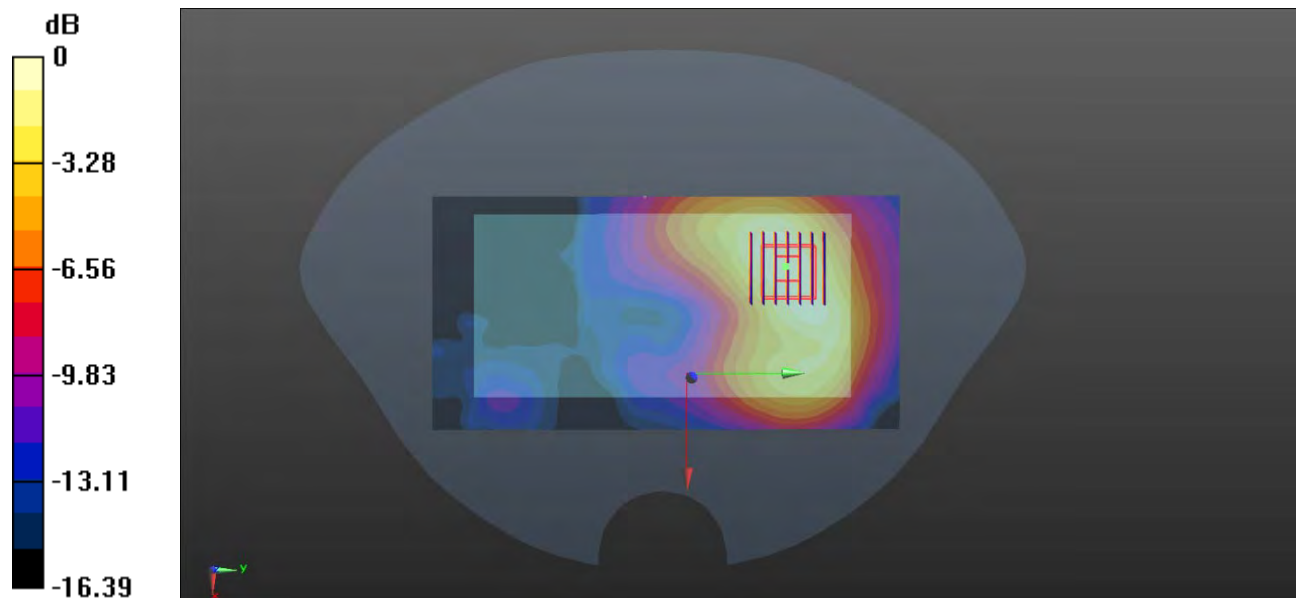
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.687 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.551 W/kg

SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.157 W/kg

Maximum value of SAR (measured) = 0.312 W/kg



0 dB = 0.312 W/kg

MEAS.38 Body Plane with Bottom Edge 10mm on High Channel in LTE Band 38 mode with Antenna 4

Date: 2021.06.04

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2610 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2610$ MHz; $\sigma = 1.97$ S/m; $\epsilon_r = 38.912$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37800/Area Scan (61x91x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.660 W/kg

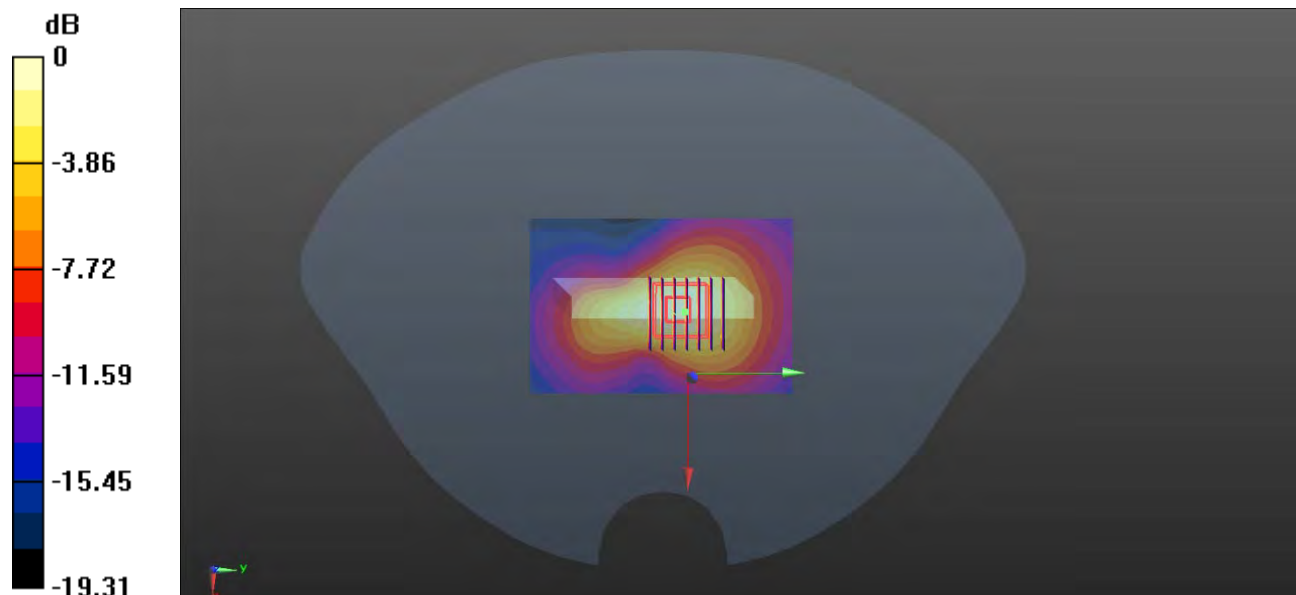
Ch37800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.79 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.582 W/kg; SAR(10 g) = 0.293 W/kg

Maximum value of SAR (measured) = 0.644 W/kg



0 dB = 0.644 W/kg

MEAS.39 Right Head with Tilt on Low Channel in LTE Band 41 mode with Antenna 3

Date: 2021.06.01

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2506 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2506$ MHz; $\sigma = 1.846$ S/m; $\epsilon_r = 39.881$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39750/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.10 W/kg

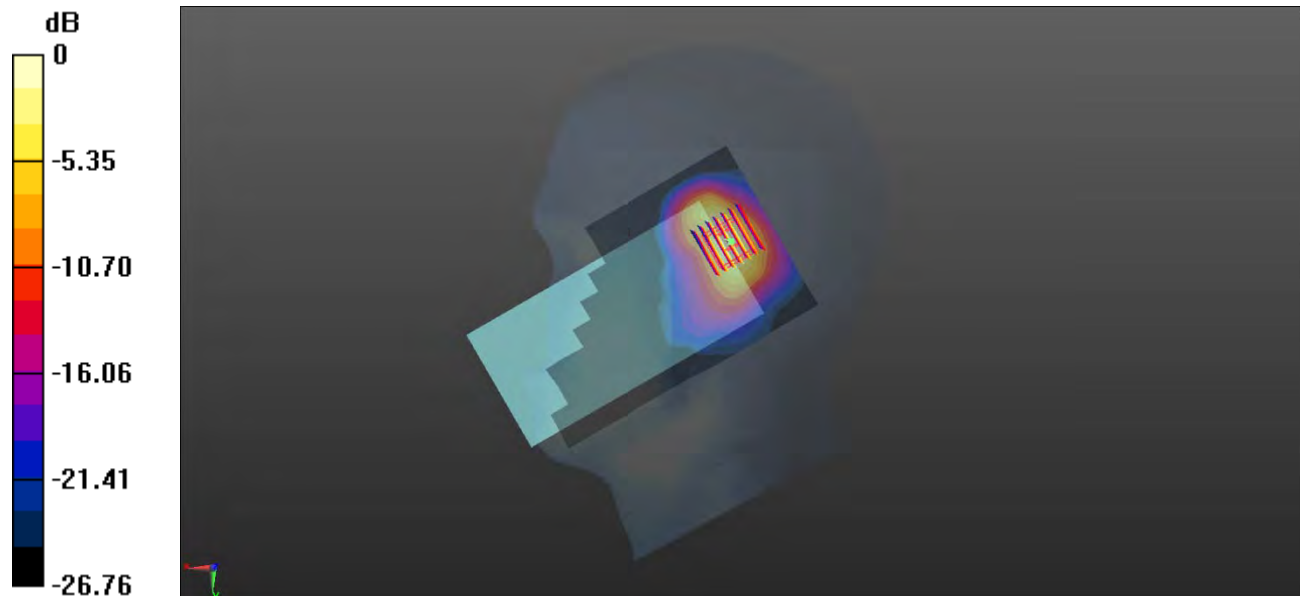
Ch39750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.28 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.27 W/kg

SAR(1 g) = 0.949 W/kg; SAR(10 g) = 0.400 W/kg

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



0 dB = 1.09 W/kg

MEAS.40 Body Plane with Back Side 15mm on High Channel in LTE Band 41 mode with Antenna 4

Date: 2021.06.02

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.58

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 39.006$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.307 W/kg

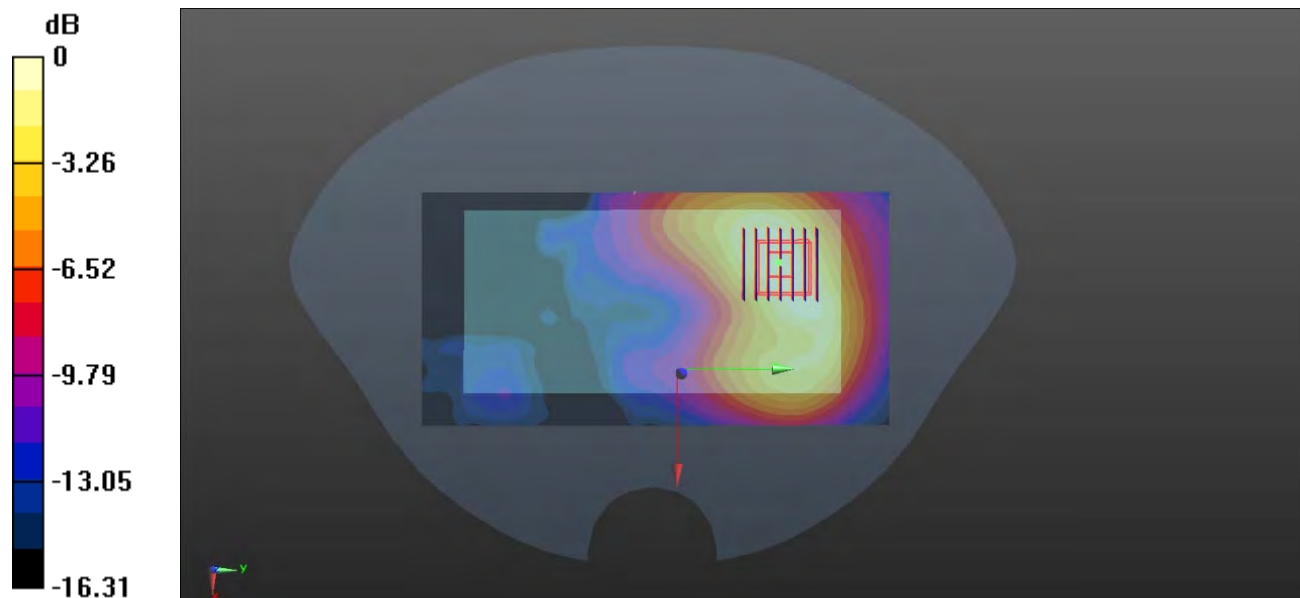
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.534 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.543 W/kg

SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.154 W/kg

Maximum value of SAR (measured) = 0.307 W/kg



0 dB = 0.307 W/kg

MEAS.41 Body Plane with Top Edge 10mm on Channel 41055 in LTE Band 41 mode with Antenna 3

Date: 2021.06.02

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2636.5 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2636.5$ MHz; $\sigma = 1.973$ S/m; $\epsilon_r = 39.344$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41055/Area Scan (61x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.832 W/kg

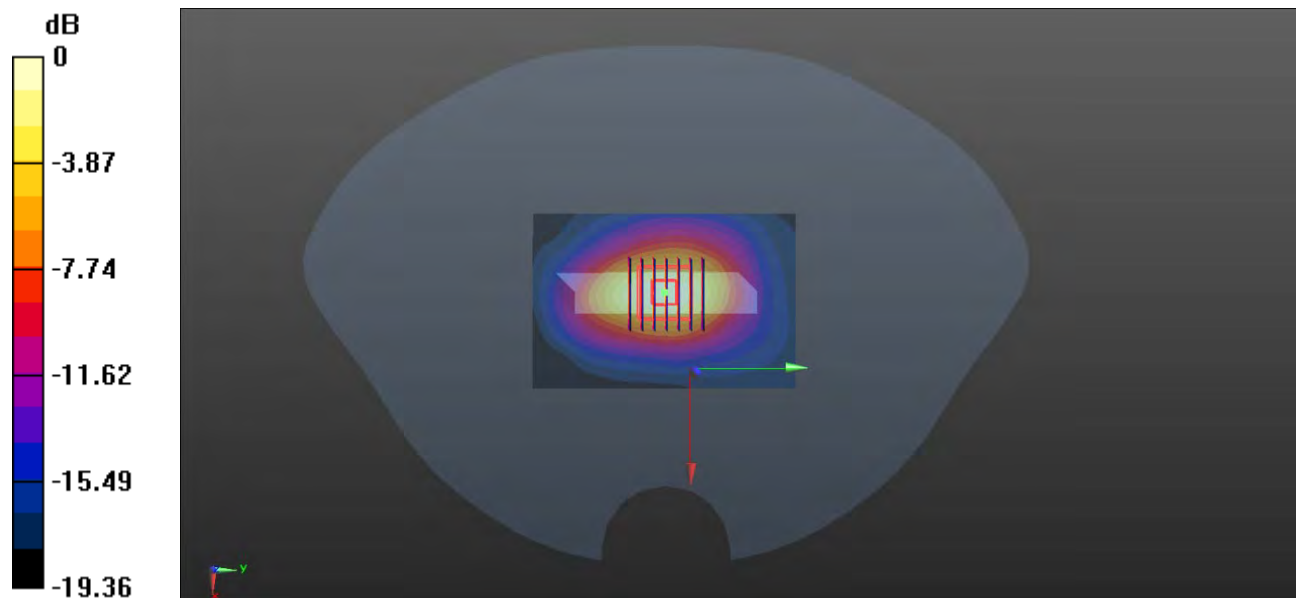
Ch41055/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.16 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.315 W/kg

Maximum value of SAR (measured) = 0.779 W/kg



0 dB = 0.779 W/kg

MEAS.42 Left Head with Cheek on Low Channel in 5G n5 mode with Antenna 0

Date: 2021.06.02

Communication System Band: n5; Frequency: 834 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 834 \text{ MHz}$; $\sigma = 0.885 \text{ S/m}$; $\epsilon_r = 41.395$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Ambient Temperature: 22.4 Liquid Temperature: 21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch166800/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.566 W/kg

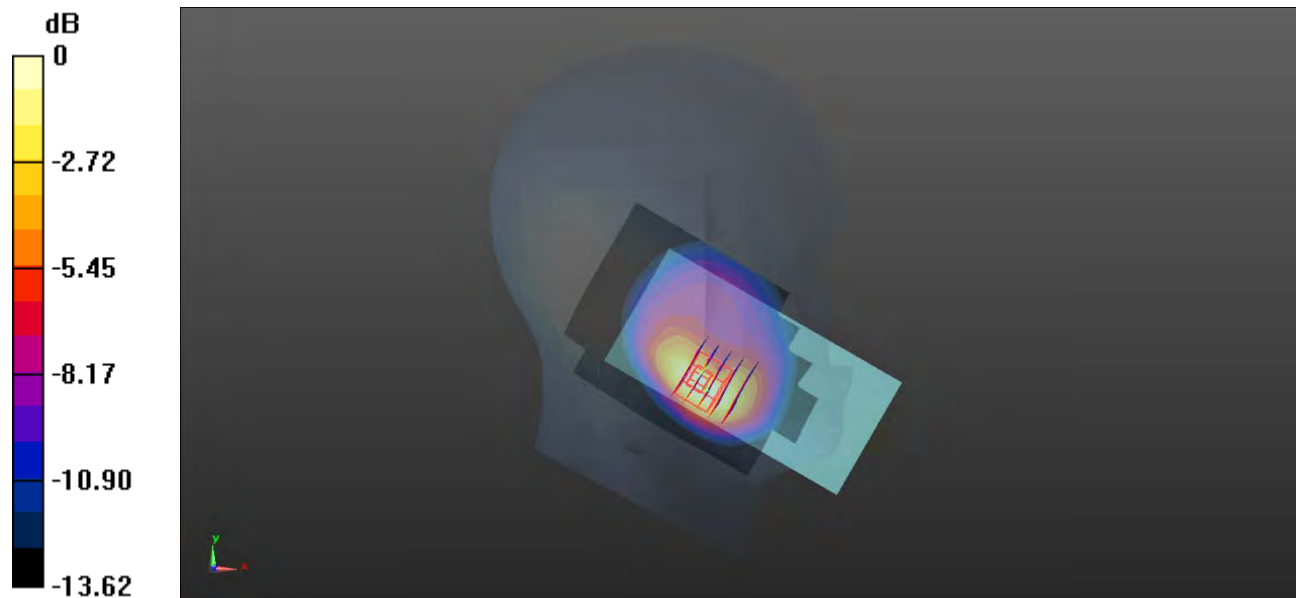
Ch166800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.711 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.294 W/kg

Maximum value of SAR (measured) = 0.562 W/kg



0 dB = 0.562 W/kg

MEAS.43 Body Plane with Back Side 15mm on Low Channel in 5G n5 mode with Antenna 0

Date: 2021.06.03

Communication System Band: n5; Frequency: 834 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 834 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 41.52$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch166800/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.278 W/kg

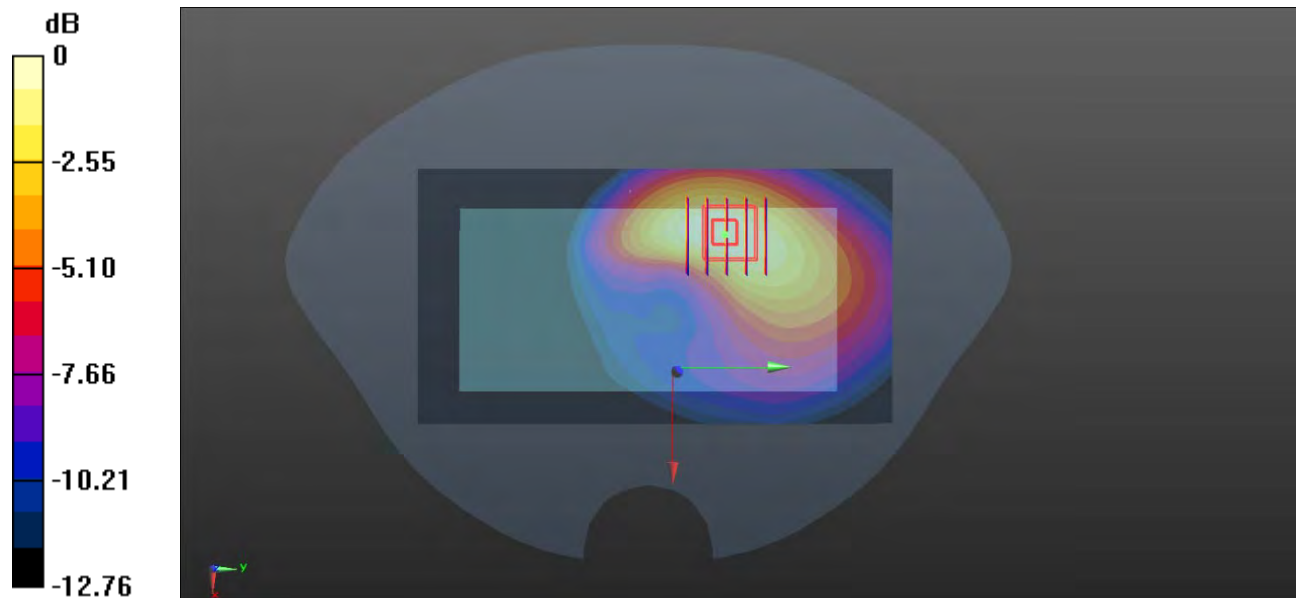
Ch166800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.237 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.387 W/kg

SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.160 W/kg

Maximum value of SAR (measured) = 0.274 W/kg



0 dB = 0.274 W/kg

MEAS.44 Body Plane with Right Edge 10mm on Low Channel in 5G n5 mode with Antenna 0

Date: 2021.06.03

Communication System Band: n5; Frequency: 834 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 834 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 41.52$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch166800/Area Scan (51x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.588 W/kg

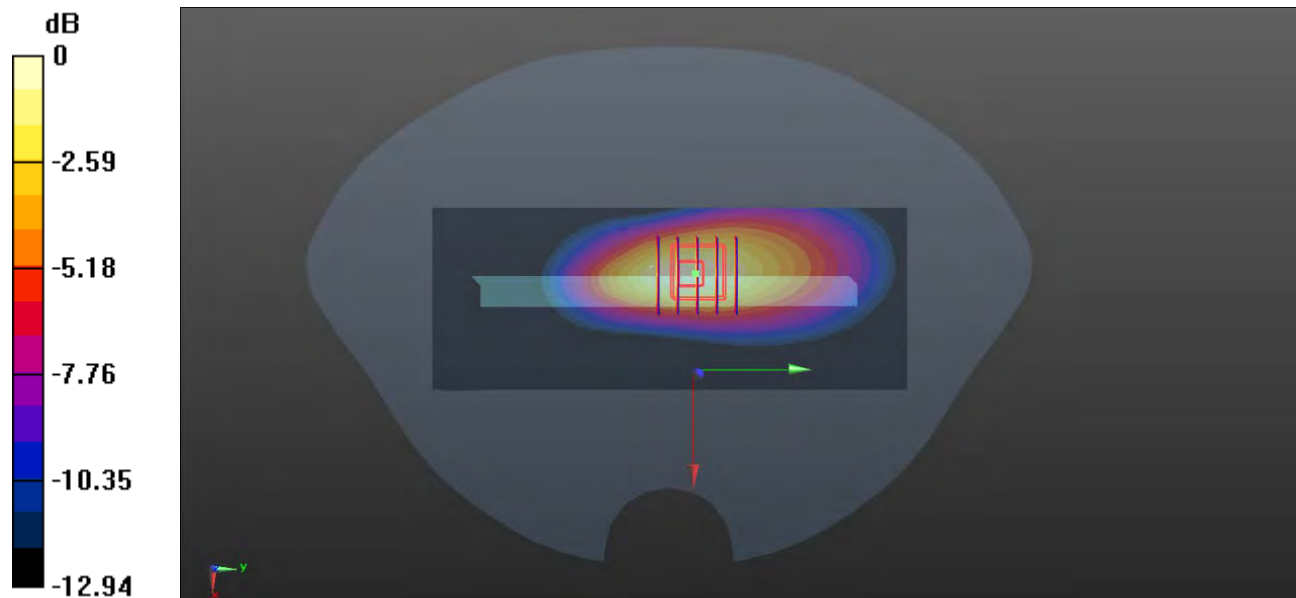
Ch166800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.99 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.877 W/kg

SAR(1 g) = 0.527 W/kg; SAR(10 g) = 0.310 W/kg

Maximum value of SAR (measured) = 0.582 W/kg



0 dB = 0.582 W/kg

MEAS.45 Right Head with Tilt on Middle Channel in 5G n7 mode with Antenna 3

Date: 2021.05.29

Communication System Band: n7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.906$ S/m; $\epsilon_r = 39.315$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 507000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.800 W/kg

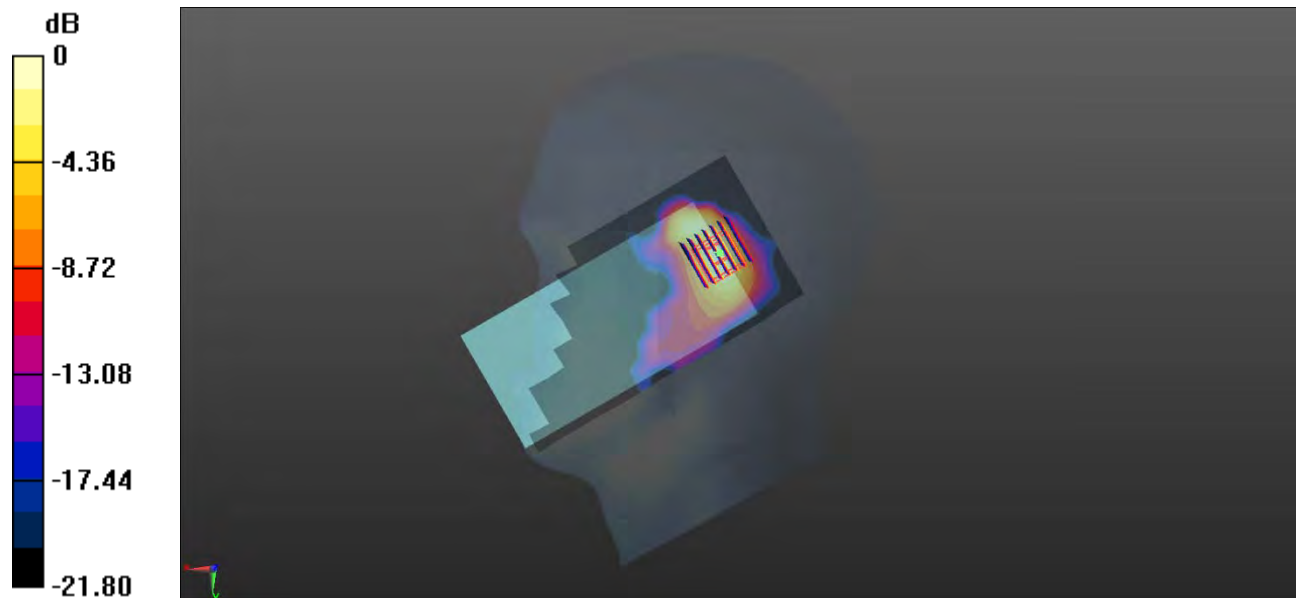
Ch 507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.06 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.302 W/kg

Maximum value of SAR (measured) = 0.833 W/kg



MEAS.46 Body Plane with Back Side 15mm on Middle Channel in 5G n7 mode with Antenna 3

Date: 2021.05.30

Communication System Band: n7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535 \text{ MHz}$; $\sigma = 1.901 \text{ S/m}$; $\epsilon_r = 39.433$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (81x161x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 0.271 W/kg

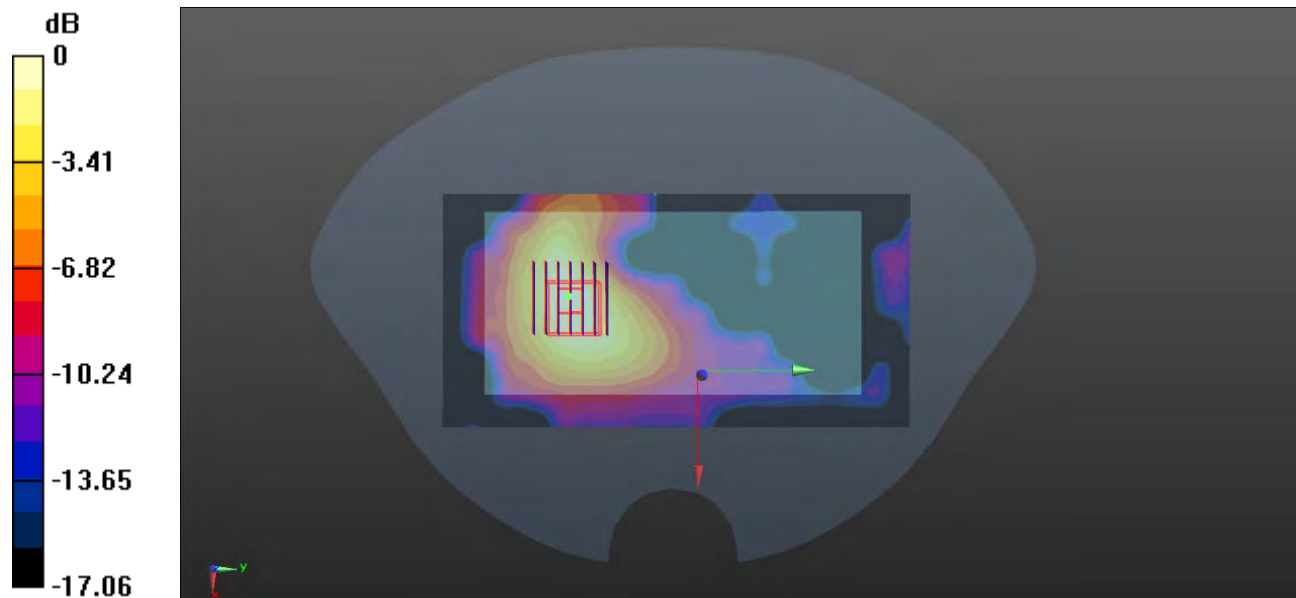
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.761 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.542 W/kg

SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 0.271 W/kg



0 dB = 0.271 W/kg

MEAS.47 Body Plane with Top Edge 10mm on Middle Channel in 5G n7 mode with Antenna 3

Date: 2021.05.30

Communication System Band: n7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.901$ S/m; $\epsilon_r = 39.433$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (61x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

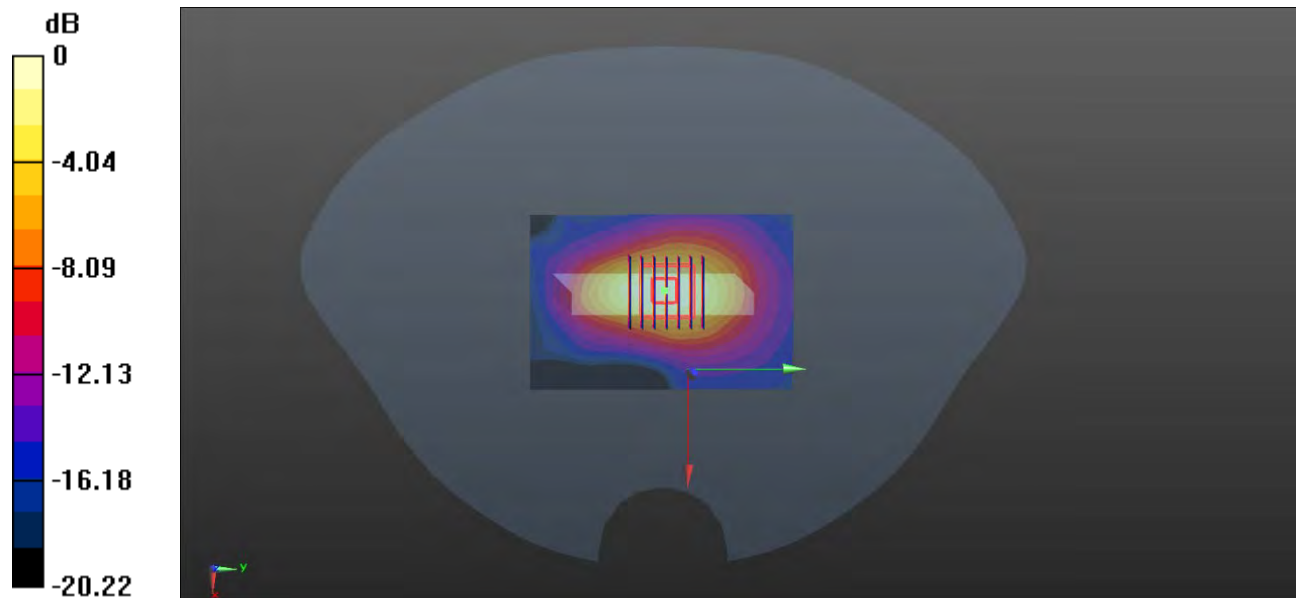
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.17 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.682 W/kg



0 dB = 0.682 W/kg

MEAS.48 Right Head with Tilt on Middle Channel in 5G n38 mode with Antenna 3

Date: 2021.06.05

Communication System Band: n38; Frequency: 2595 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2595$ MHz; $\sigma = 1.947$ S/m; $\epsilon_r = 39.091$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 519000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.935 W/kg

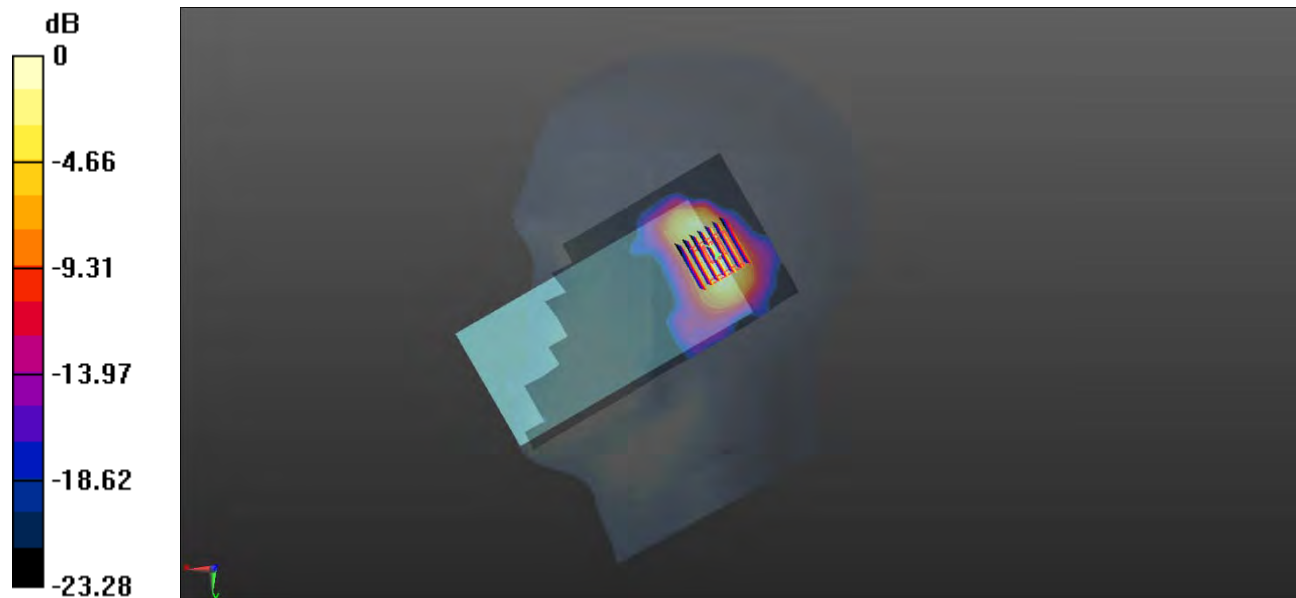
Ch 519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.19 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.24 W/kg

SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.345 W/kg

Maximum value of SAR (measured) = 0.951 W/kg



0 dB = 0.951 W/kg

MEAS.49 Body Plane with Back Side 15mm on Middle Channel in 5G n38 mode with Antenna 3

Date: 2021.06.06

Communication System Band: n38; Frequency: 2595 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2595$ MHz; $\sigma = 1.941$ S/m; $\epsilon_r = 38.801$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- 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) = 0.337 W/kg

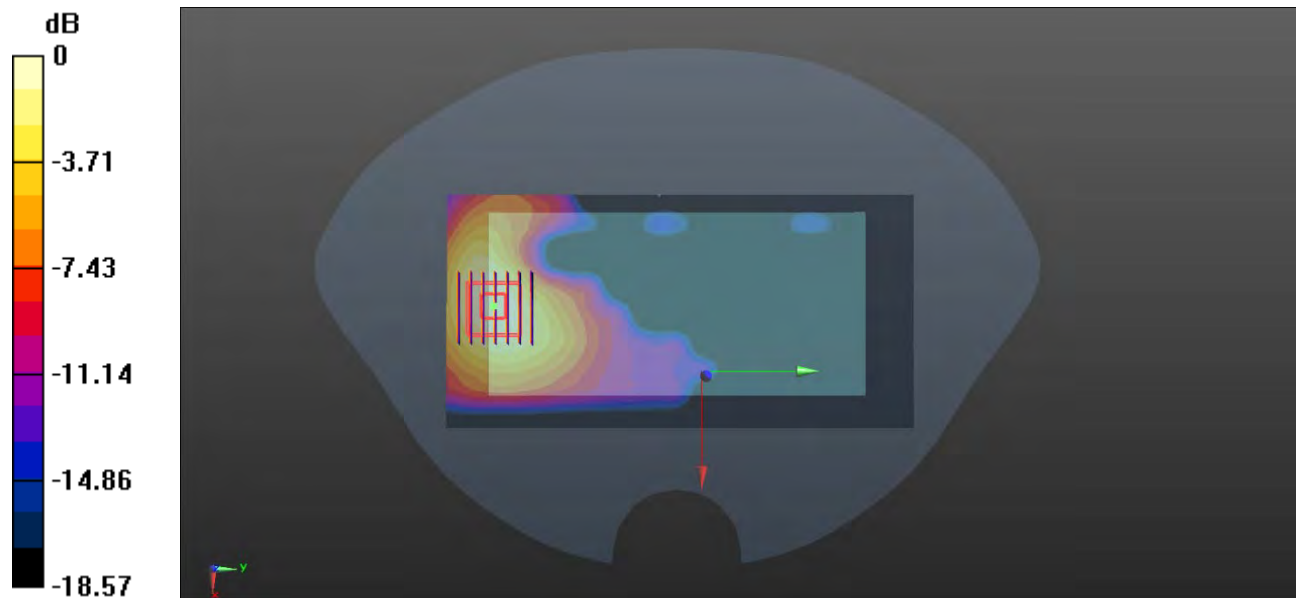
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.772 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.678 W/kg

SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.160 W/kg

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



0 dB = 0.334 W/kg

MEAS.50 Body Plane with Top Edge 10mm on Middle Channel in 5G n38 mode with Antenna 3

Date: 2021.06.06

Communication System Band: n38; Frequency: 2595 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2595$ MHz; $\sigma = 1.941$ S/m; $\epsilon_r = 38.801$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch519000/Area Scan (61x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.877 W/kg

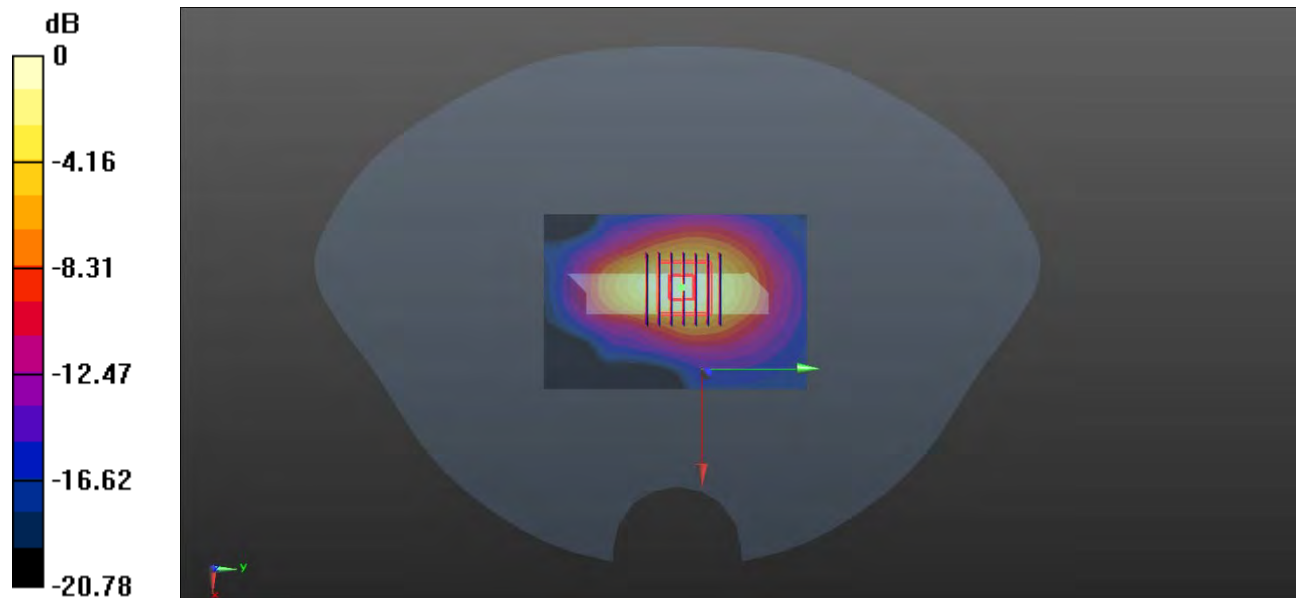
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.39 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.749 W/kg; SAR(10 g) = 0.345 W/kg

Maximum value of SAR (measured) = 0.850 W/kg



0 dB = 0.850 W/kg

MEAS.51 Right Head with Tilt on Low Channel in 5G n41 mode with Antenna 3

Date: 2021.06.13

Communication System Band: n41; Frequency: 2546.01 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2546.01$ MHz; $\sigma = 1.924$ S/m; $\epsilon_r = 39.663$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 509202/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

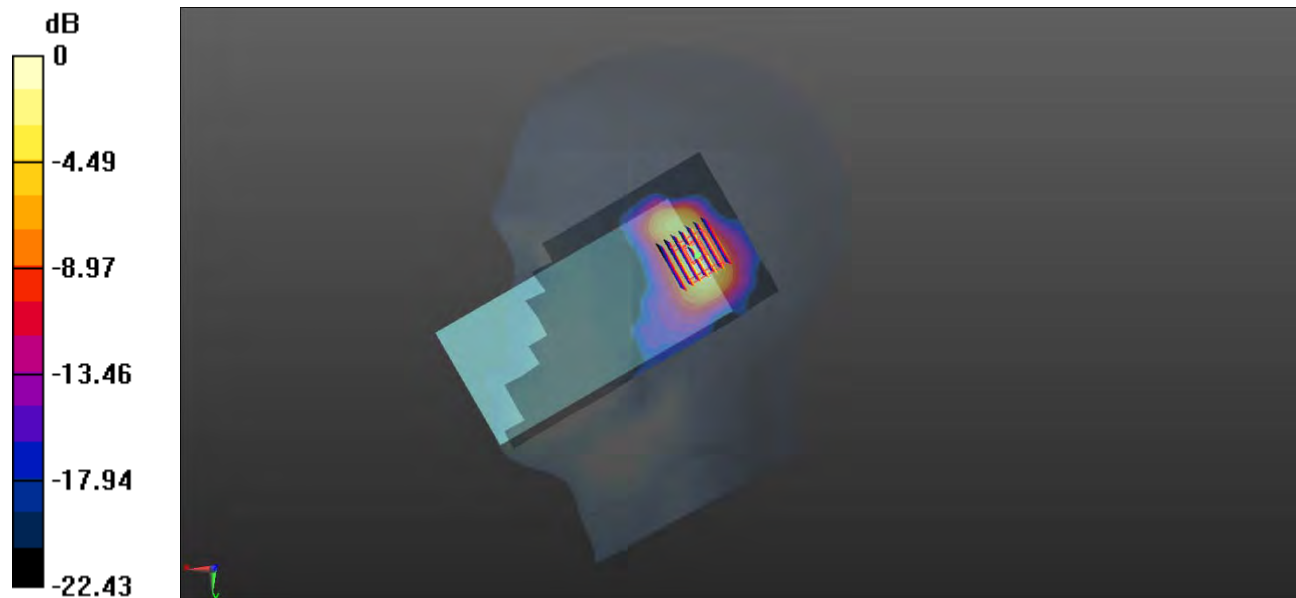
Ch 509202/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.61 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.86 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.471 W/kg

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



0 dB = 1.29 W/kg

MEAS.52 Body Plane with Back Side 15mm on Channel 523302 in 5G n41 mode with Antenna 3

Date: 2021.06.14

Communication System Band: n41; Frequency: 2616.51 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2616.51$ MHz; $\sigma = 2.021$ S/m; $\epsilon_r = 39.361$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch523302/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.258 W/kg

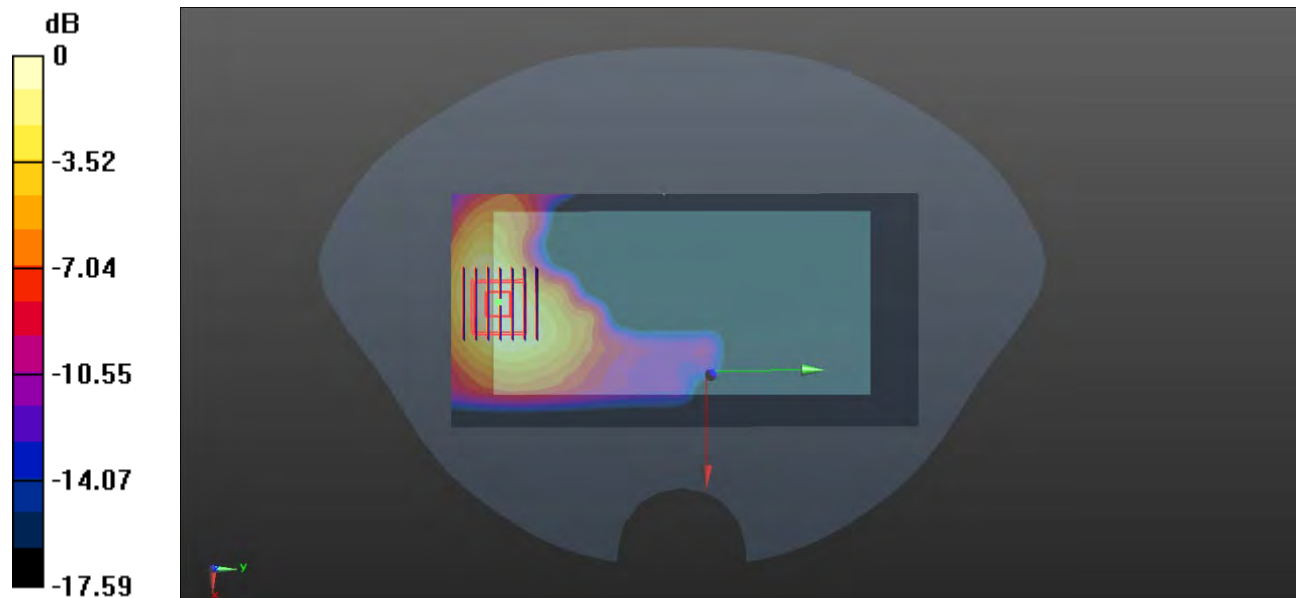
Ch523302/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.973 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.535 W/kg

SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.260 W/kg



0 dB = 0.260 W/kg

MEAS.53 Body Plane with Top Edge 10mm on Channel 523302 in 5G n41 mode with Antenna 3

Date: 2021.06.14

Communication System Band: n41; Frequency: 2616.51 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2616.51$ MHz; $\sigma = 2.021$ S/m; $\epsilon_r = 39.361$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch523302/Area Scan (61x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.899 W/kg

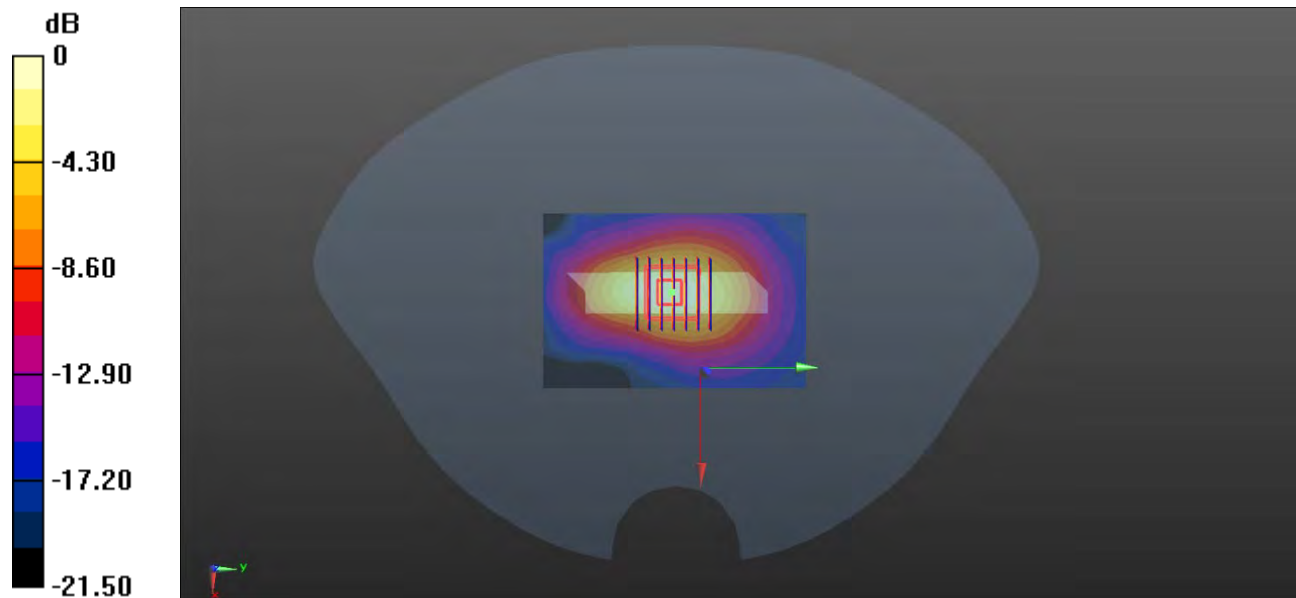
Ch523302/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.68 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.768 W/kg; SAR(10 g) = 0.356 W/kg

Maximum value of SAR (measured) = 0.861 W/kg



0 dB = 0.861 W/kg

MEAS.54 Right Head with Tilt on Middle Channel in 5G n66 mode with Antenna 3

Date: 2021.06.07

Communication System Band: n66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745 \text{ MHz}$; $\sigma = 1.384 \text{ S/m}$; $\epsilon_r = 40.183$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch349000/Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.258 W/kg

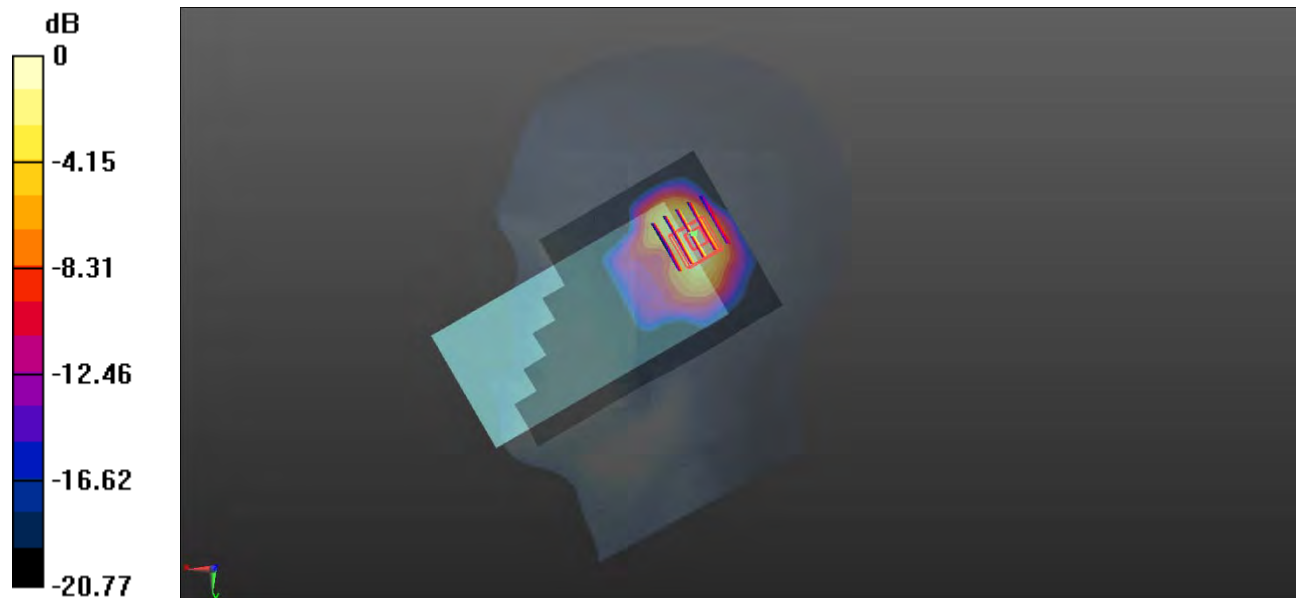
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.60 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.513 W/kg

SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.303 W/kg



0 dB = 0.303 W/kg

MEAS.55 Body Plane with Back Side 15mm on Middle Channel in 5G n66 mode with Antenna 4

Date: 2021.06.08

Communication System Band: n66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 40.394$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); 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) = 0.182 W/kg

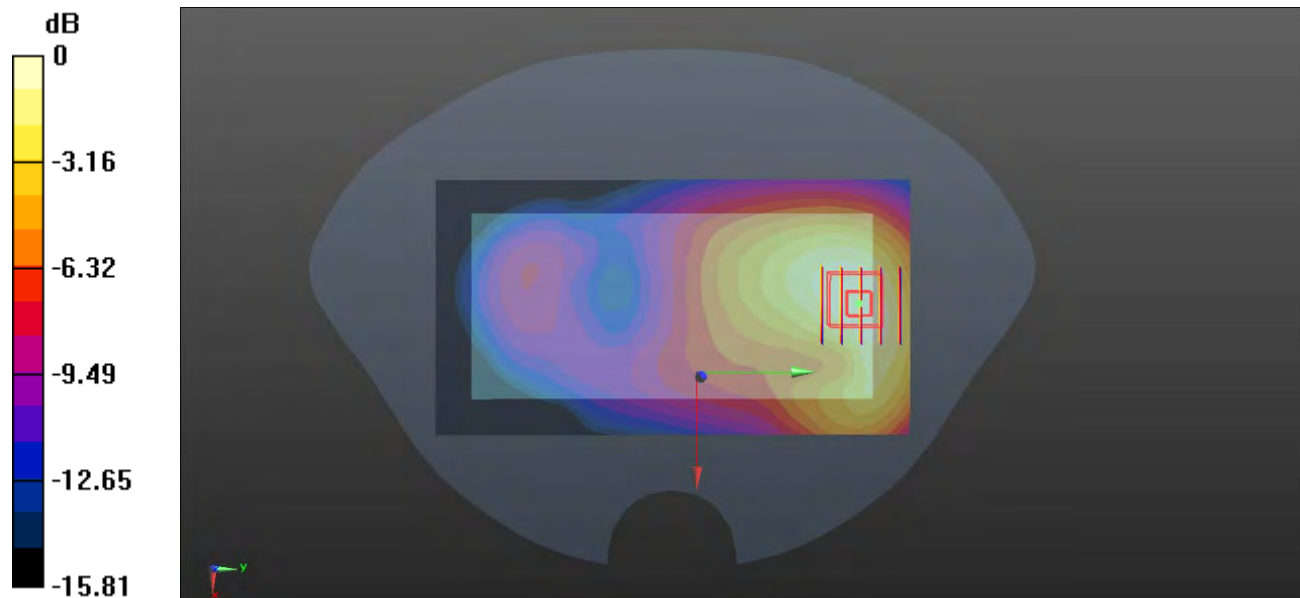
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.346 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.252 W/kg

SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.107 W/kg

Maximum value of SAR (measured) = 0.180 W/kg



0 dB = 0.180 W/kg

MEAS.56 Body Plane with Left Edge 10mm on Low Channel in 5G n66 mode with Antenna 4

Date: 2021.06.08

Communication System Band: n66; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1720$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 40.571$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.6, 8.6, 8.6); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Right 1392; Serial: TP1392
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch344000/Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.484 W/kg

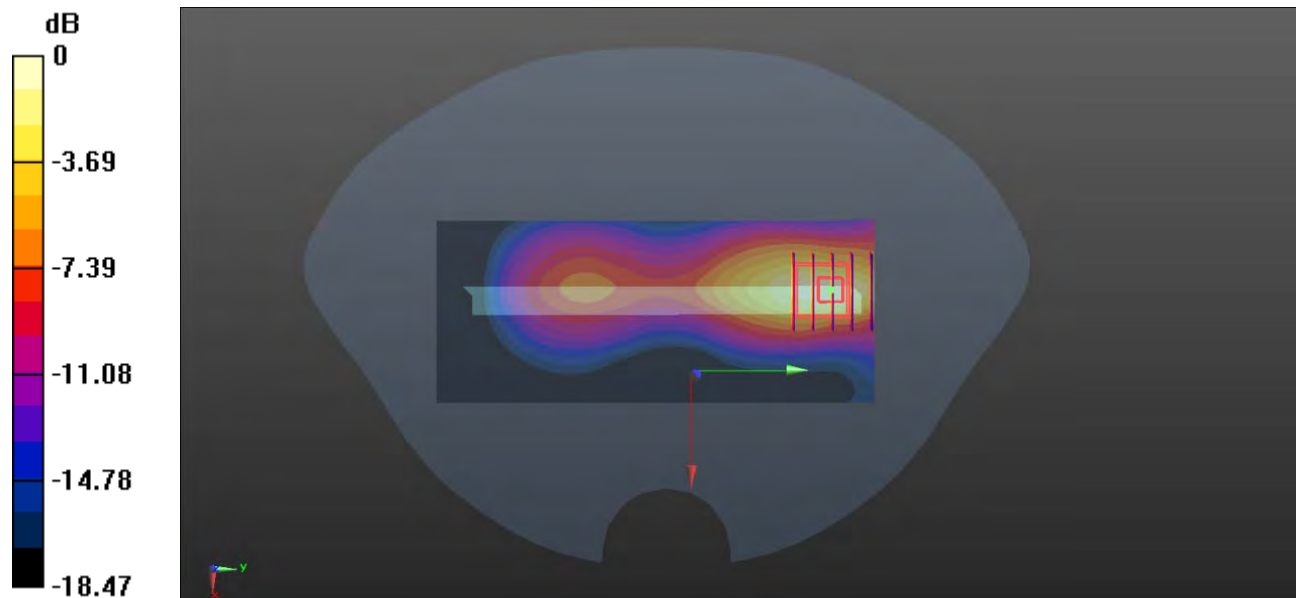
Ch344000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.256 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.821 W/kg

SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.219 W/kg

Maximum value of SAR (measured) = 0.490 W/kg



0 dB = 0.490 W/kg

MEAS.57 Left Head with Cheek on Low Channel in LTE Band 5 mode with Antenna 0

Date: 2021.05.29

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 41.684$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch20450/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.427 W/kg

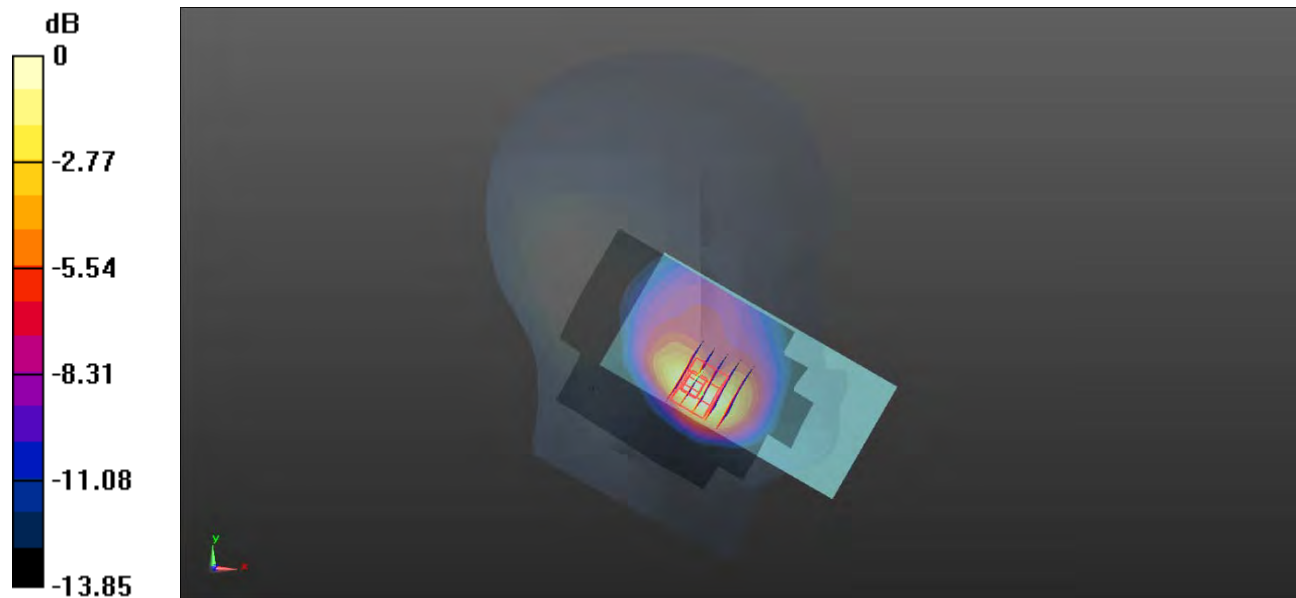
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.273 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.827 W/kg

SAR(1 g) = 0.409 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 0.429 W/kg



0 dB = 0.429 W/kg

MEAS.58 Body Plane with Back Side 15mm on Low Channel in LTE Band 5 mode with Antenna 0

Date: 2021.05.30

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 41.559$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch20450/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.192 W/kg

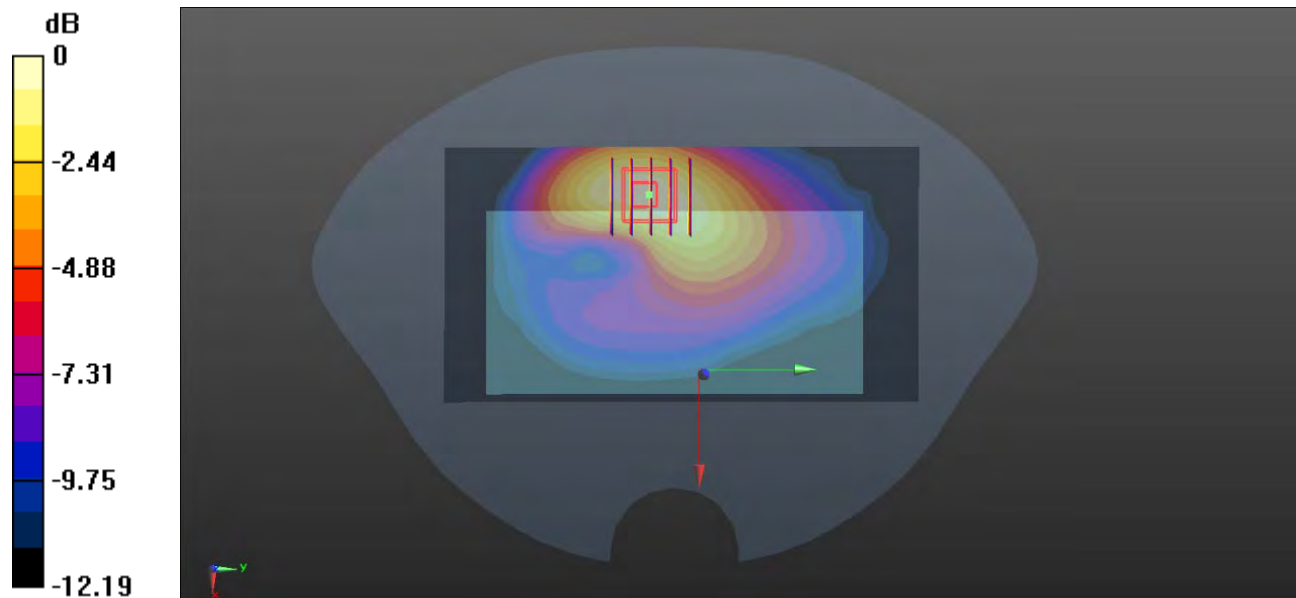
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.908 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.277 W/kg

SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.197 W/kg



0 dB = 0.197 W/kg

MEAS.59 Body Plane with Right Edge 10mm on Middle Channel in LTE Band 5 mode with Antenna 0

Date: 2021.05.30

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.884$ S/m; $\epsilon_r = 41.454$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY4 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.11.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2020.11.06
- Phantom: SAM Left 1402; Serial: TP1402
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

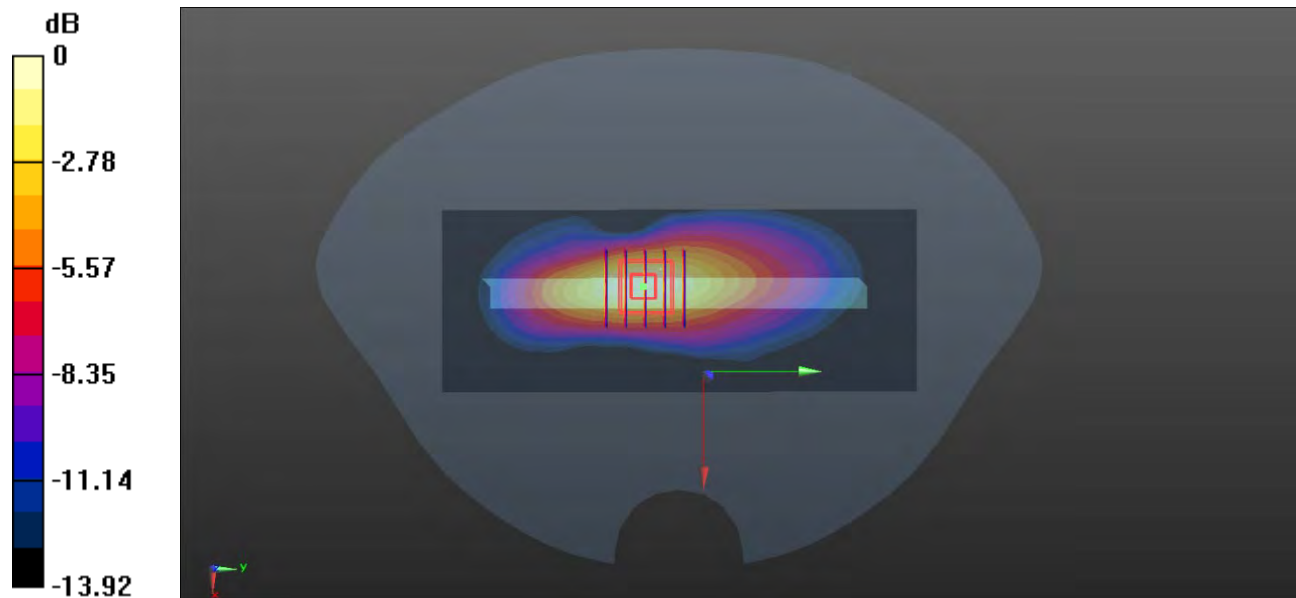
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.79 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.448 W/kg

SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.293 W/kg



0 dB = 0.293 W/kg

MEAS.60 Right Head with Tilt on Low Channel in LTE Band 7 mode with Antenna 3

Date: 2021.05.27

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2510$ MHz; $\sigma = 1.861$ S/m; $\epsilon_r = 39.624$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch 20850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.621 W/kg

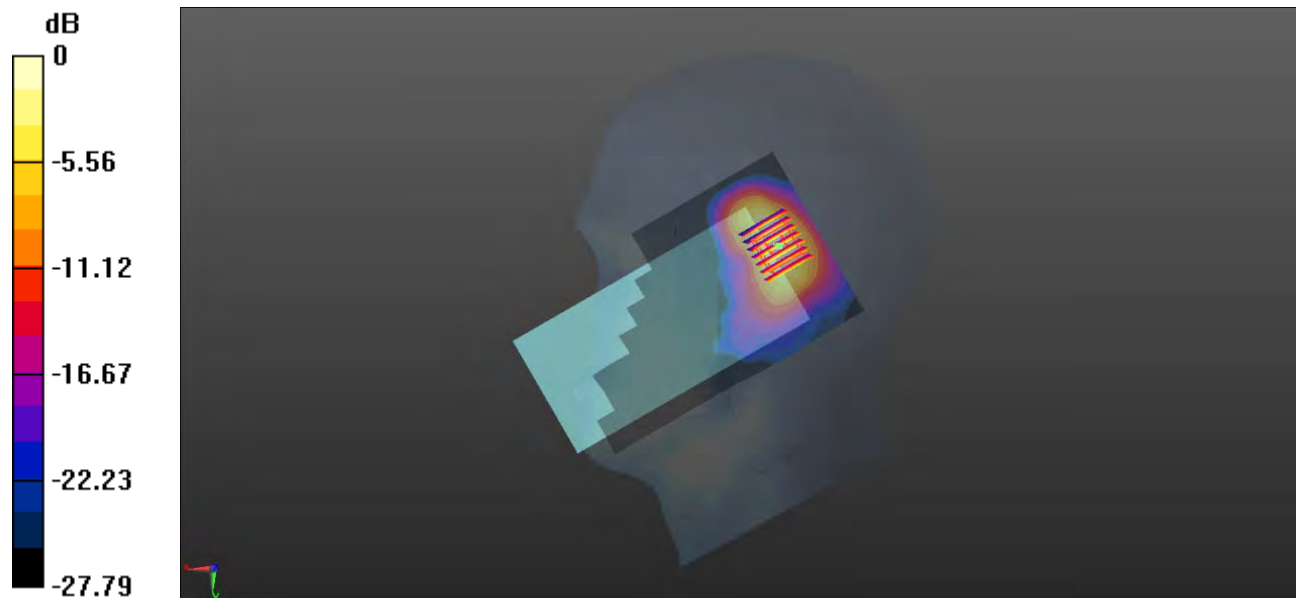
Ch 20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.83 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.532 W/kg; SAR(10 g) = 0.224 W/kg

Maximum value of SAR (measured) = 0.609 W/kg



0 dB = 0.885 W/kg

MEAS.61 Body Plane with Back Side 15mm on Middle Channel in LTE Band 7 mode with Antenna 5

Date: 2021.05.28

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.908$ S/m; $\epsilon_r = 39.514$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- 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) = 0.255 W/kg

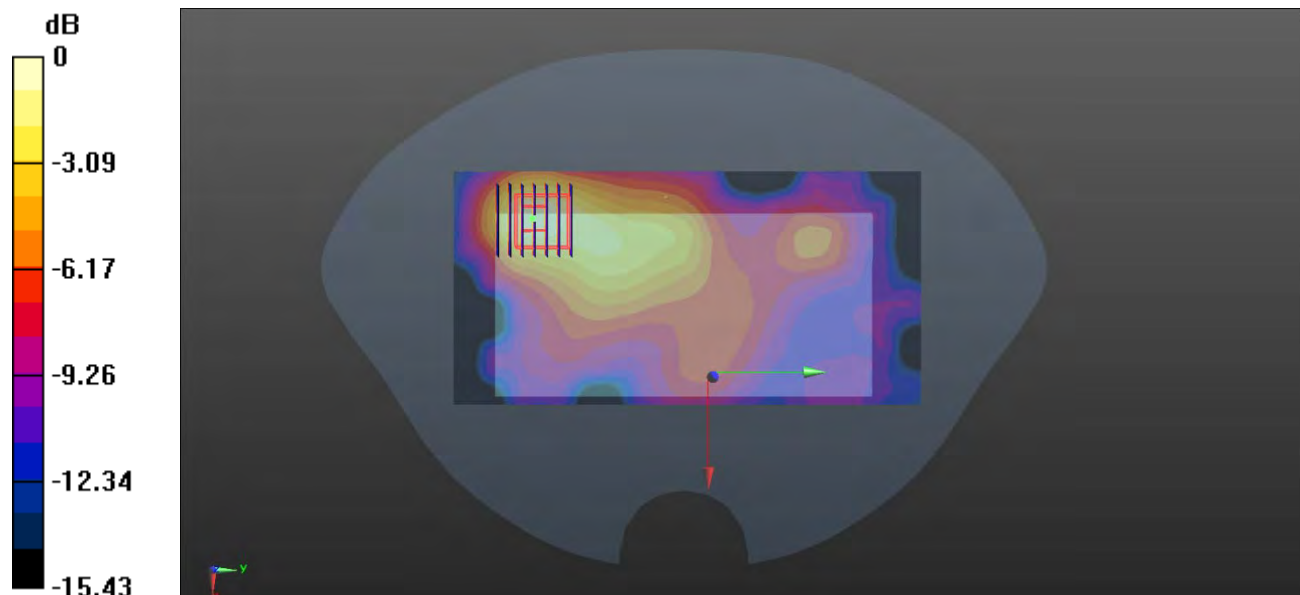
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.508 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.469 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.113 W/kg

Maximum value of SAR (measured) = 0.260 W/kg



0 dB = 0.260 W/kg

MEAS.62 Body Plane with Right Edge 10mm on Low Channel in LTE Band 7 mode with Antenna 5

Date: 2021.05.28

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2510$ MHz; $\sigma = 1.878$ S/m; $\epsilon_r = 39.641$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (61x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.477 W/kg

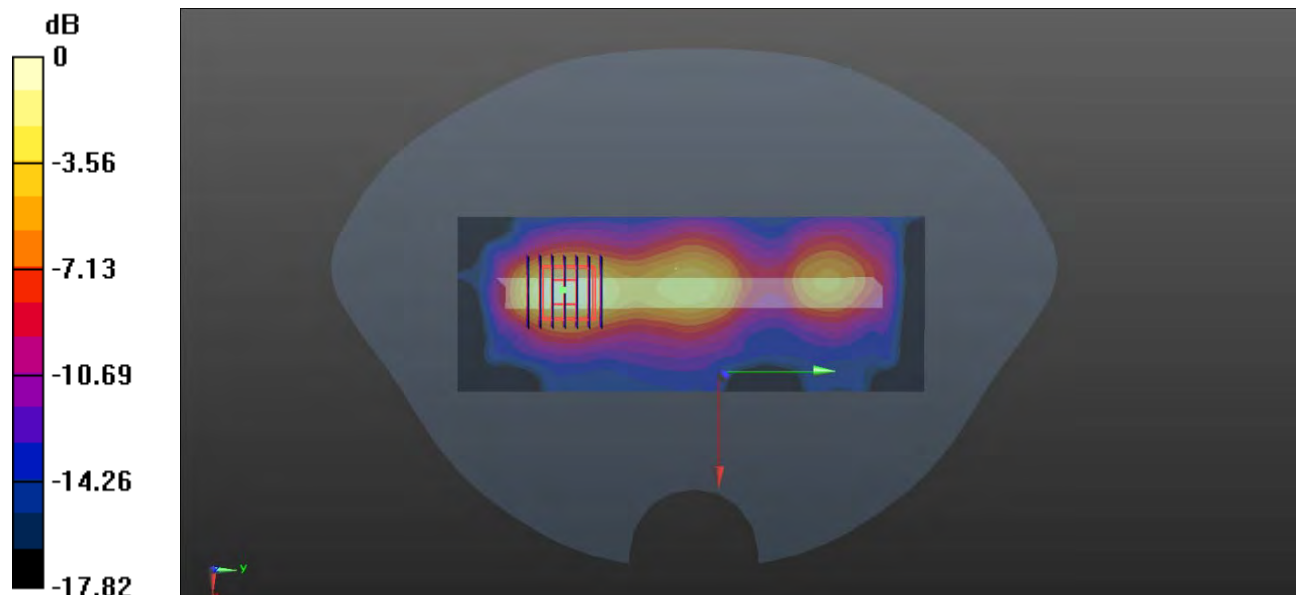
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.919 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.896 W/kg

SAR(1 g) = 0.412 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.473 W/kg



0 dB = 0.473 W/kg

MEAS.63 Right Head with Cheek on Channel 10 in IEEE802.11b mode with Antenna 2&7

Date: 2021.05.31

Communication System Band: WLAN(b); Frequency: 2457 MHz; Duty Cycle: 1:1.007

Medium parameters used (interpolated): $f = 2457$ MHz; $\sigma = 1.792$ S/m; $\epsilon_r = 39.105$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch10/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

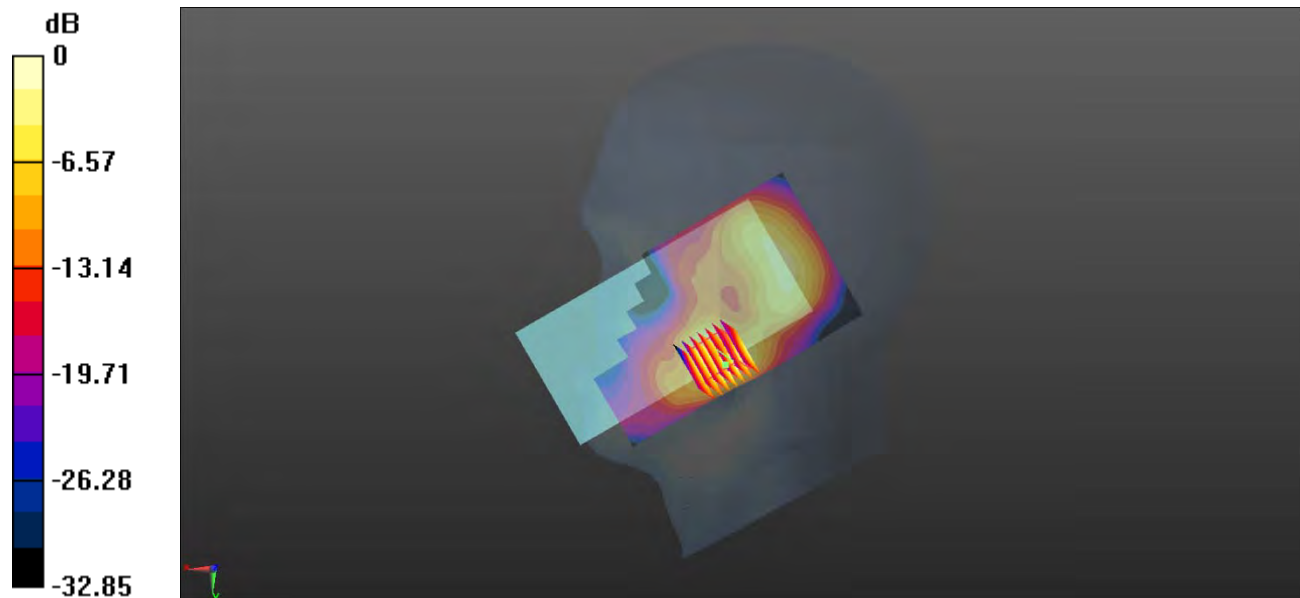
Ch10/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.24 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.17 W/kg

SAR(1 g) = 0.957 W/kg; SAR(10 g) = 0.375 W/kg

Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg

MEAS.64 Body Plane with Back Side 15mm on Channel 2 in IEEE802.11b mode with Antenna 2&7

Date: 2021.06.15

Communication System Band: WLAN(b); Frequency: 2457 MHz; Duty Cycle: 1:1.007

Medium parameters used (interpolated): $f = 2457$ MHz; $\sigma = 1.796$ S/m; $\epsilon_r = 39.389$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch2/Area Scan (101x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.154 W/kg

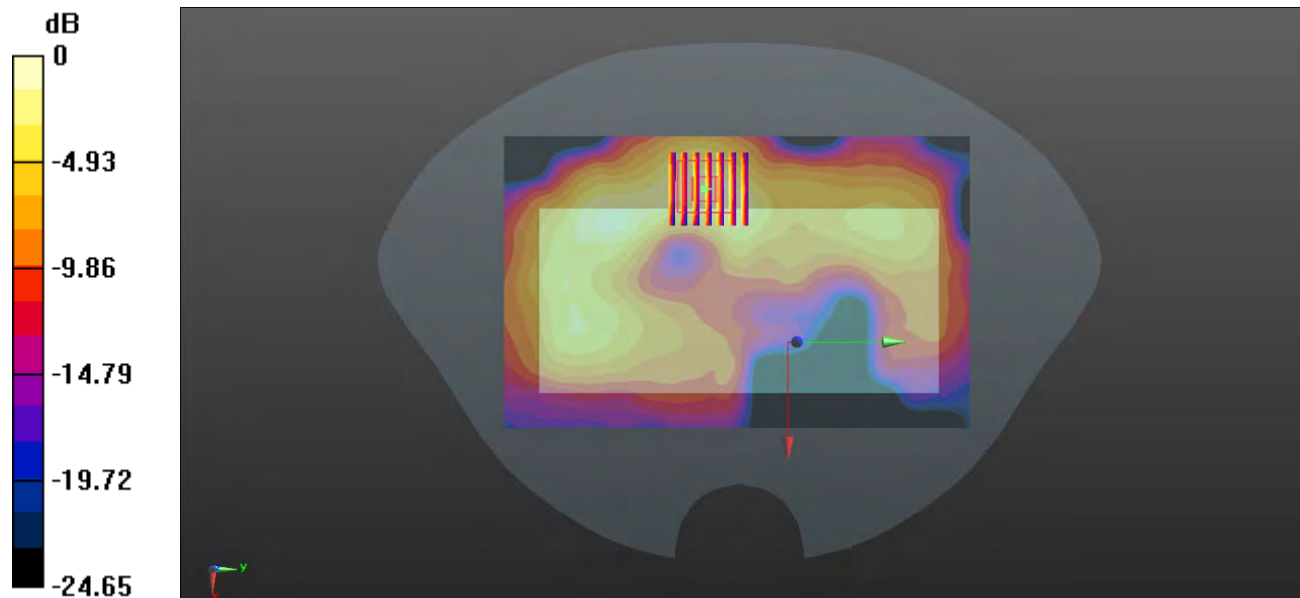
Ch2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.675 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.065 W/kg

Maximum value of SAR (measured) = 0.154 W/kg



0 dB = 0.154 W/kg

MEAS.65 Body Plane with Left Edge 10mm on Low Channel 10 in IEEE802.11b mode with Antenna 2&7

Date: 2021.06.25

Communication System Band: WLAN(b); Frequency: 2417 MHz; Duty Cycle: 1:1.007

Medium parameters used (interpolated): $f = 2417$ MHz; $\sigma = 1.749$ S/m; $\epsilon_r = 39.845$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch2/Area Scan (51x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.899 W/kg

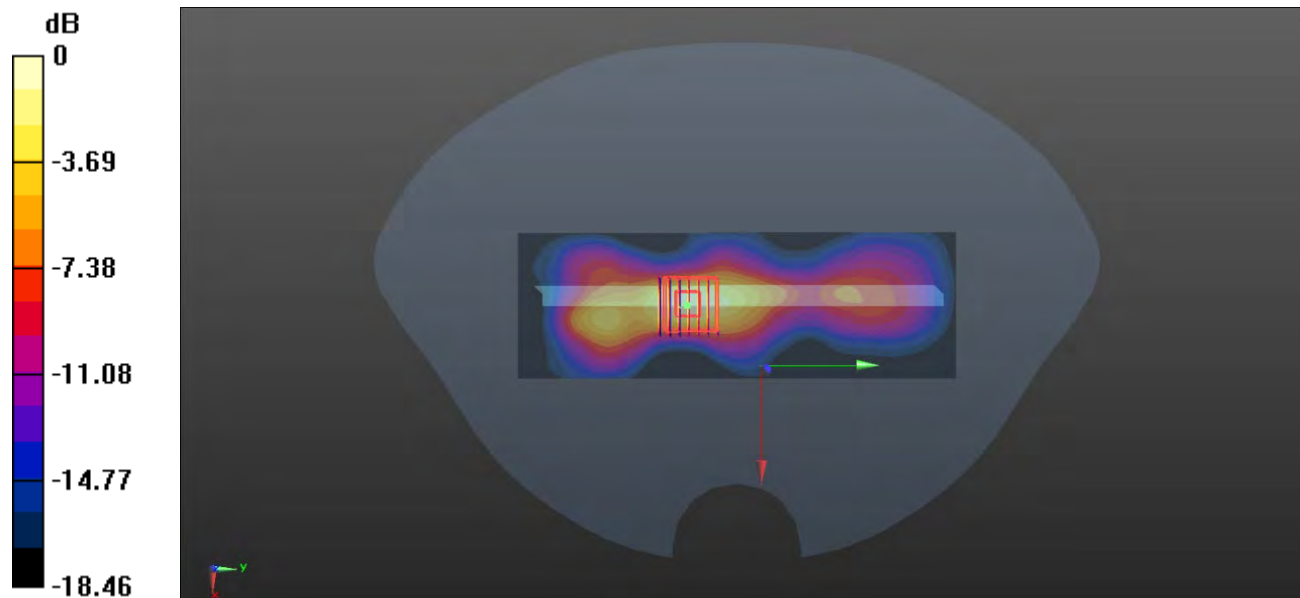
Ch2/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 13.36 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.231 W/kg

Maximum value of SAR (measured) = 0.890 W/kg



0 dB = 0.890 W/kg

MEAS.66 Left Head with Tilt on Channel 62 in IEEE802.11n(HT40) mode with Antenna 2&8

Date: 2021.06.07

Communication System Band: WLAN(n)40Mhz; Frequency: 5310 MHz;Duty Cycle: 1:1.069

Medium parameters used (interpolated): $f = 5310$ MHz; $\sigma = 4.796$ S/m; $\epsilon_r = 35.948$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.3, 5.3, 5.3); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP: 1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch62/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

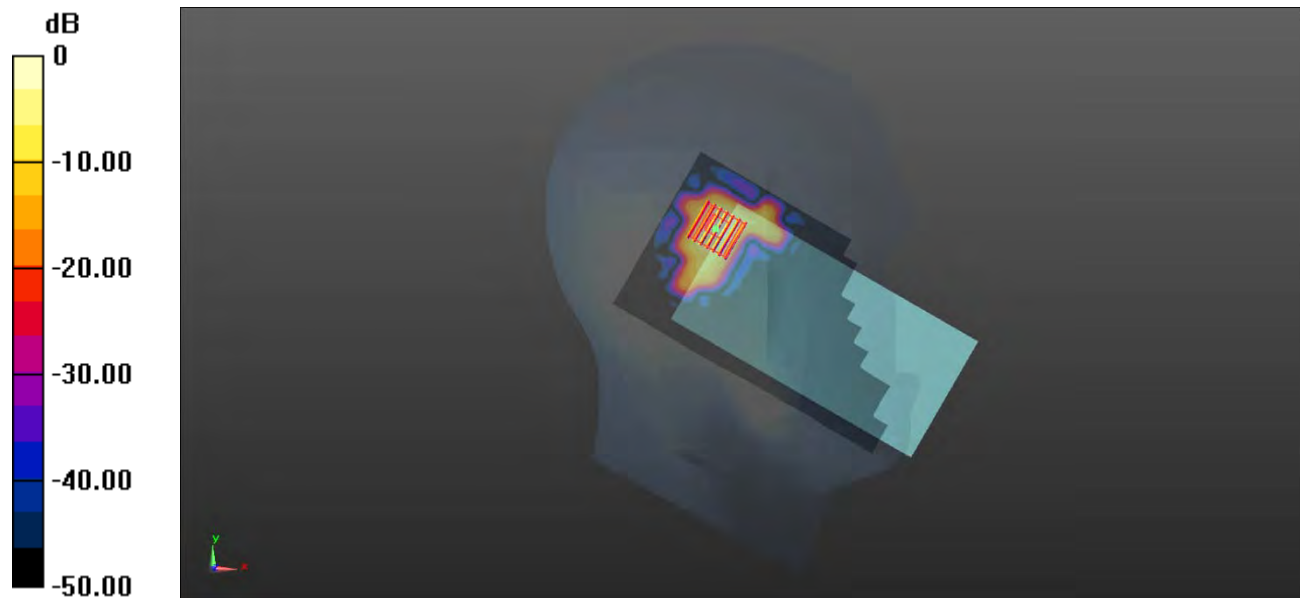
Ch62/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.303 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 3.37 W/kg

SAR(1 g) = 0.772 W/kg; SAR(10 g) = 0.231 W/kg

Maximum value of SAR (measured) = 1.69 W/kg



0 dB = 1.69 W/kg

MEAS.67 Left Head with Tilt on Channel 110 in IEEE802.11n(HT40) mode with Antenna 2&8

Date: 2021.06.09

Communication System Band: WLAN(n)40Mhz; Frequency: 5550 MHz;Duty Cycle: 1:1.069

Medium parameters used: $f = 5550$ MHz; $\sigma = 5.053$ S/m; $\epsilon_r = 36.093$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5, 5, 5); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP: 1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch110/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.649 W/kg

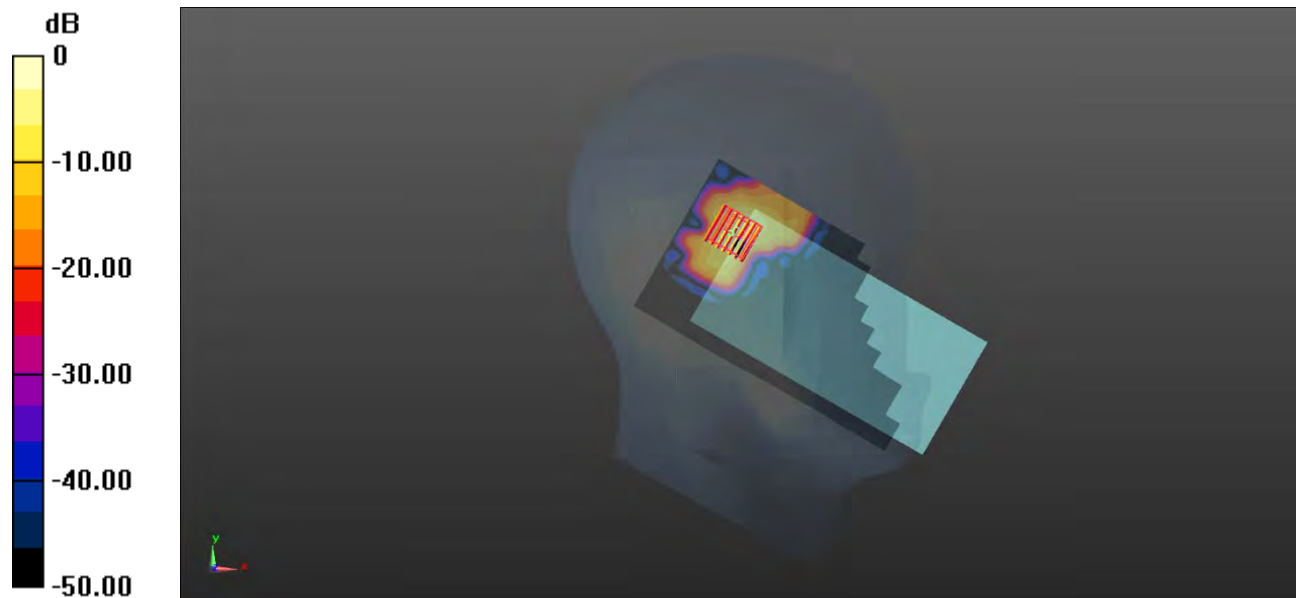
Ch110/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.829 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.73 W/kg

SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.170 W/kg

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



0 dB = 1.28 W/kg

MEAS.68 Left Head with Tilt on Channel 159 in IEEE802.11n(HT40) mode with Antenna 2&8

Date: 2021.06.11

Communication System Band: WLAN(n)40Mhz; Frequency: 5795 MHz; Duty Cycle: 1:1.069

Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 5.287$ S/m; $\epsilon_r = 35.541$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.86, 4.86, 4.86); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP: 1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.704 W/kg

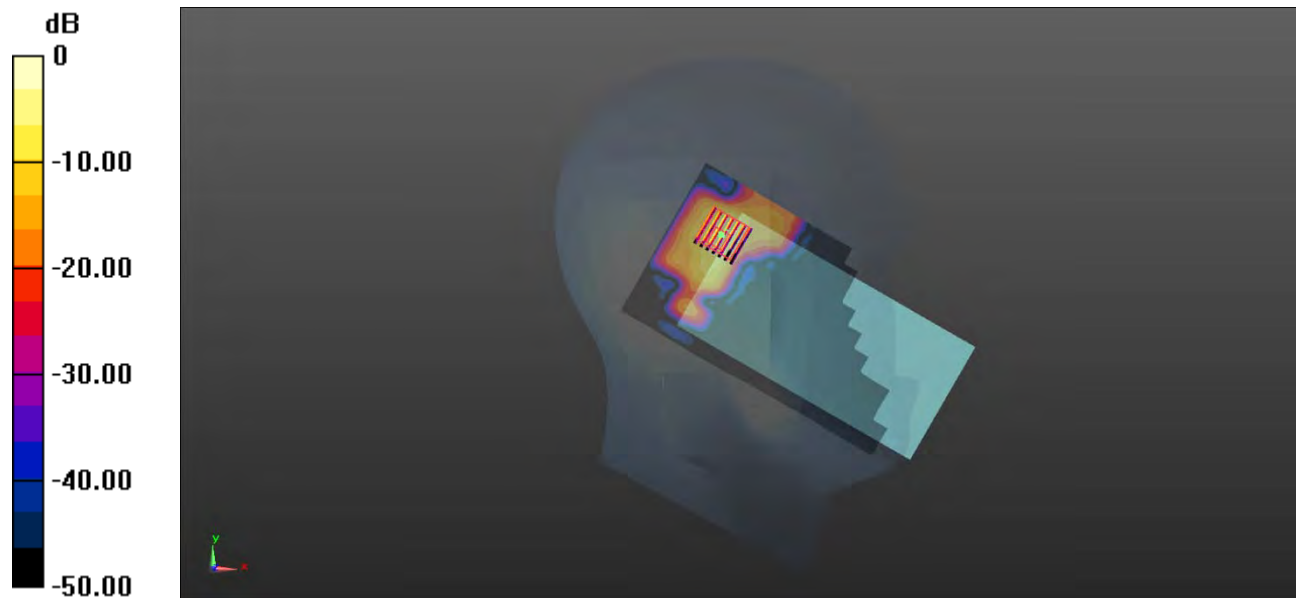
Ch159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.244 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 7.14 W/kg

SAR(1 g) = 0.664 W/kg; SAR(10 g) = 0.164 W/kg

Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.56 W/kg

MEAS.69 Body Plane with Back Side 15mm on Channel 54 in IEEE802.11n(HT40) mode with Antenna 2&8

Date: 2021.06.08

Communication System Band: WLAN(n)40Mhz; Frequency: 5270 MHz;Duty Cycle: 1:1.69

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.739$ S/m; $\epsilon_r = 36.138$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.3, 5.3, 5.3); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP: 1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch54/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.179 W/kg

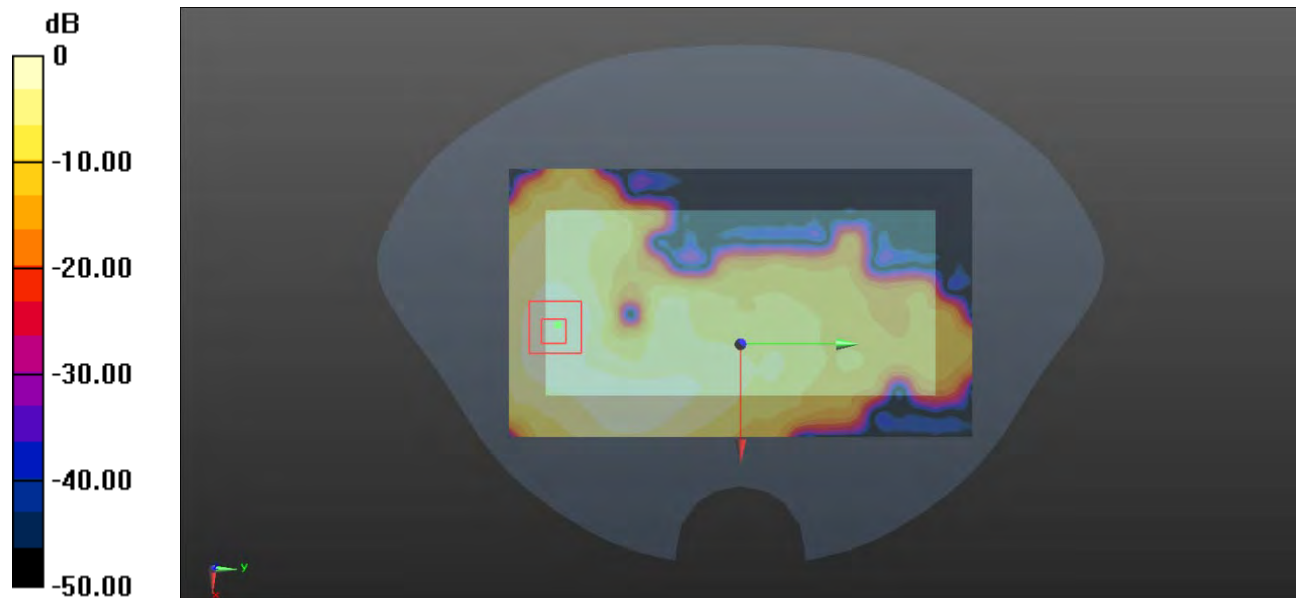
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.351 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.388 W/kg

SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.044 W/kg

Maximum value of SAR (measured) = 0.197 W/kg



0 dB = 0.197 W/kg

MEAS.70 Body Plane with Back Side 15mm on Channel 110 in IEEE802.11n(HT40) mode with Antenna 2&8

Date: 2021.06.10

Communication System Band: WLAN(n)40Mhz; Frequency: 5550 MHz;Duty Cycle: 1:1.069

Medium parameters used: $f = 5550$ MHz; $\sigma = 5.069$ S/m; $\epsilon_r = 36.131$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5, 5, 5); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP: 1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch110/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.175 W/kg

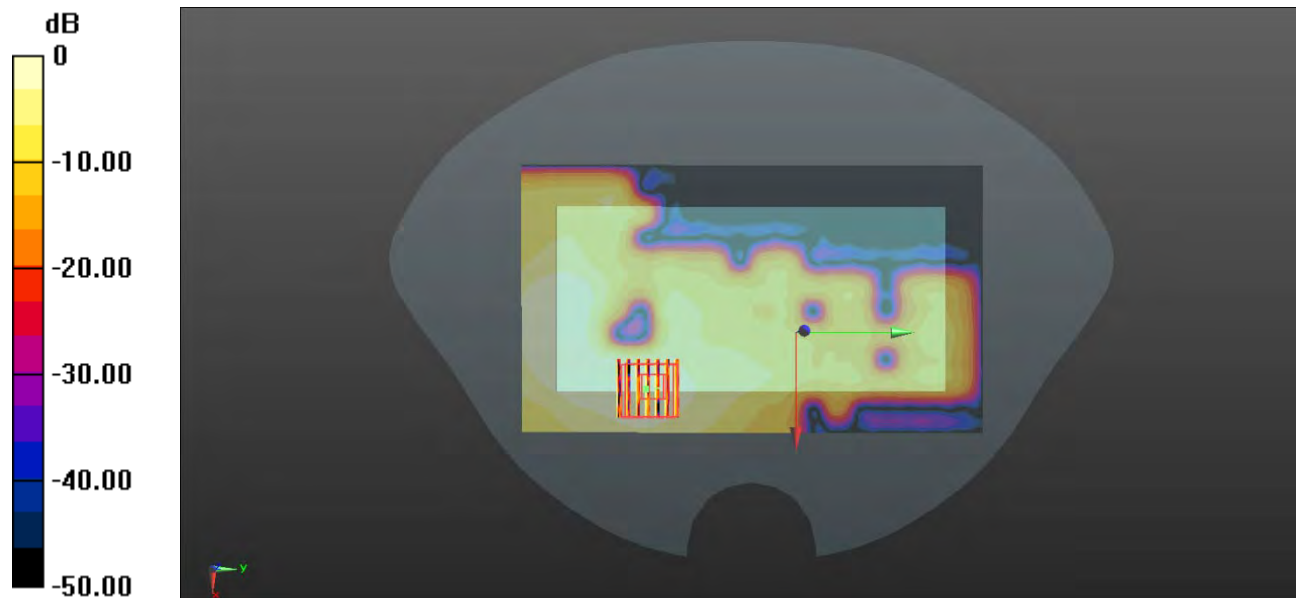
Ch110/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.163 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.391 W/kg

SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.033 W/kg

Maximum value of SAR (measured) = 0.166 W/kg



0 dB = 0.166 W/kg

MEAS.71 Body Plane with Back Side 15mm on Channel 159 in IEEE802.11n(HT40) mode with Antenna 2&8

Date: 2021.06.12

Communication System Band: WLAN(n)40Mhz; Frequency: 5795 MHz;Duty Cycle: 1:1.069

Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 5.279$ S/m; $\epsilon_r = 35.711$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.86, 4.86, 4.86); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP: 1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/Area Scan (111x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.237 W/kg

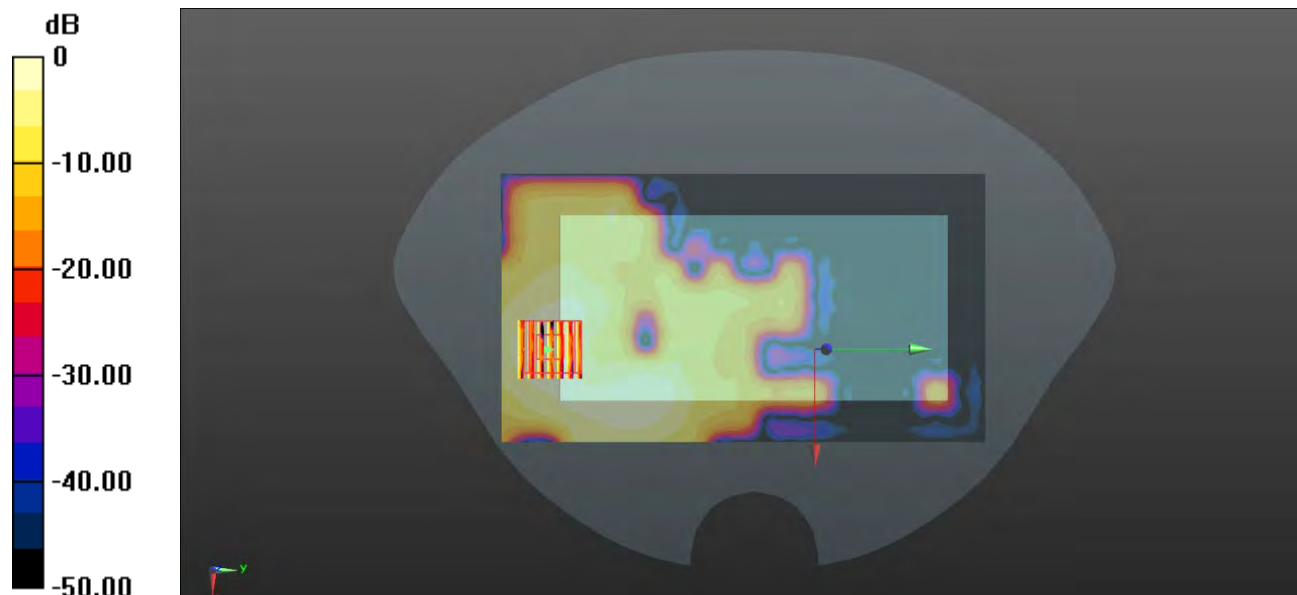
Ch159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.548 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.047 W/kg

Maximum value of SAR (measured) = 0.224 W/kg



0 dB = 0.224 W/kg

MEAS.72 Body Plane with Left Edge 10mm on Channel 46 in IEEE802.11n(HT40) mode with Antenna 2

Date: 2021.06.25

Communication System Band: WLAN(n)40Mhz; Frequency: 5230 MHz;Duty Cycle: 1:1.069

Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 4.885$ S/m; $\epsilon_r = 36.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch46/Area Scan (71x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.07 W/kg

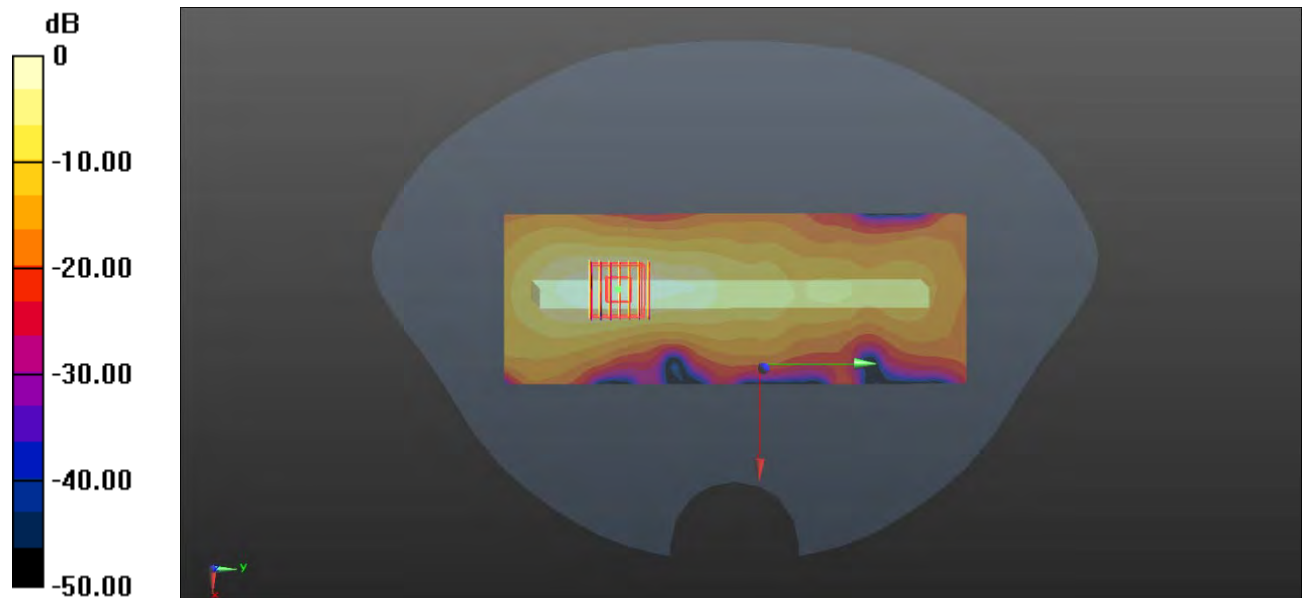
Ch46/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.894 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.196 W/kg

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



0 dB = 1.03 W/kg

MEAS.73 Body Plane with Top Edge 10mm on Channel 159 in IEEE802.11n(HT40) mode with Antenna 2&8

Date: 2021.06.25

Communication System Band: WLAN(n)40Mhz; Frequency: 5795 MHz; Duty Cycle: 1:1.069

Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 5.304$ S/m; $\epsilon_r = 35.788$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.86, 4.86, 4.86); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/Area Scan (71x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

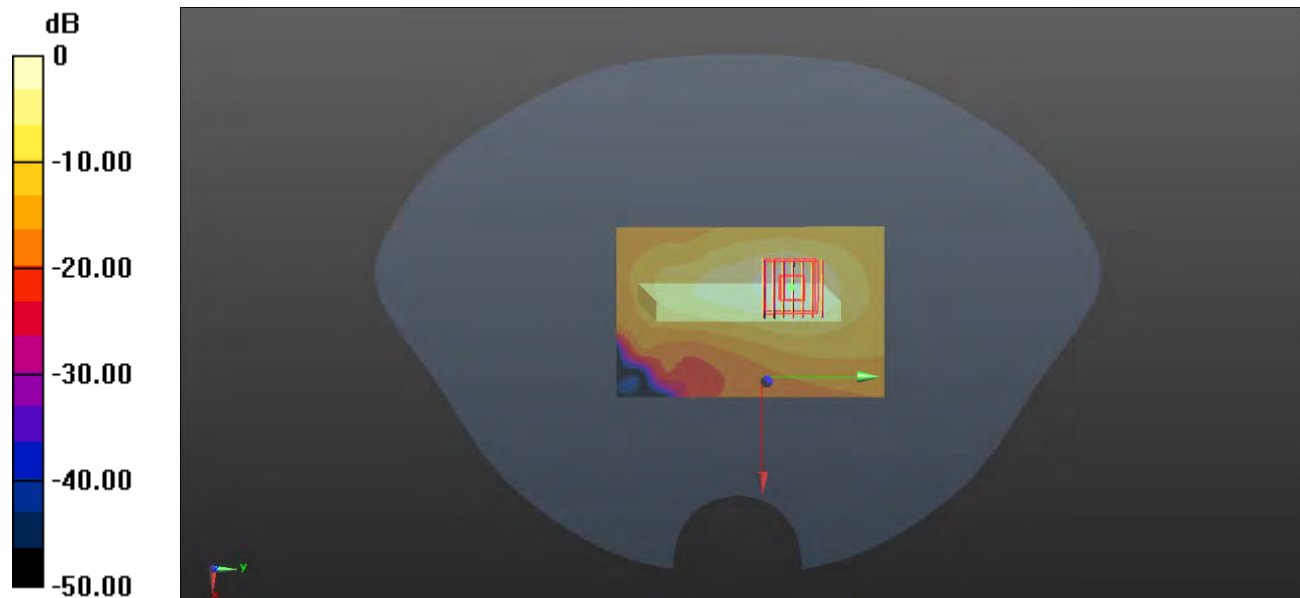
Ch159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.741 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.46 W/kg

SAR(1 g) = 0.587 W/kg; SAR(10 g) = 0.203 W/kg

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



0 dB = 1.15 W/kg

Meas.74 Body Plane with Top Edge 0mm on 54 Channel in 802.11n40 mode with Antenna 2&8

Date: 2021.06.08

Communication System Band: WLAN(n)40Mhz; Frequency: 5270 MHz;Duty Cycle: 1:1.069

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.739$ S/m; $\epsilon_r = 36.138$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.3, 5.3, 5.3); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP: 1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch54/Area Scan (71x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 20.0 W/kg

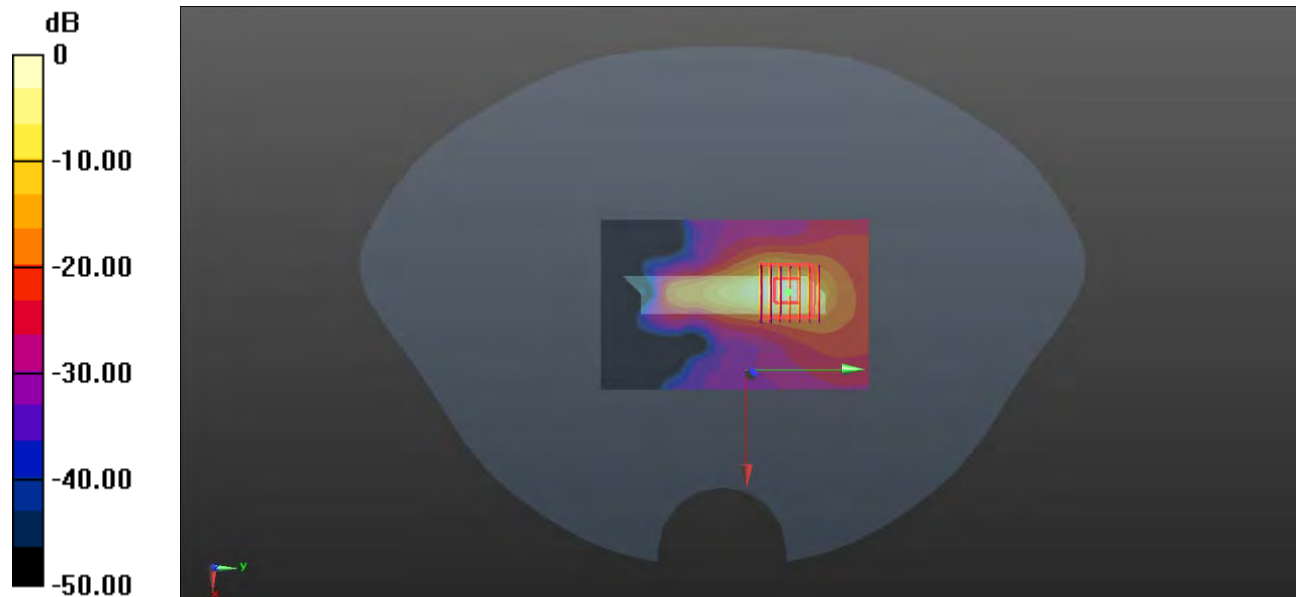
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.76 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 43.1 W/kg

SAR(1 g) = 7.27 W/kg; SAR(10 g) = 1.69 W/kg

Maximum value of SAR (measured) = 18.1 W/kg



0 dB = 18.1 W/kg

Meas.75 Body Plane with Top Edge 0mm on 110 Channel in 802.11n40 mode with Antenna 2&8

Date: 2021.06.10

Communication System Band: WLAN(n)40Mhz; Frequency: 5550 MHz; Duty Cycle: 1:1.069

Medium parameters used: $f = 5550$ MHz; $\sigma = 5.069$ S/m; $\epsilon_r = 36.131$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5, 5, 5); Calibrated: 2020.08.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP: 1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch110/Area Scan (71x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 16.3 W/kg

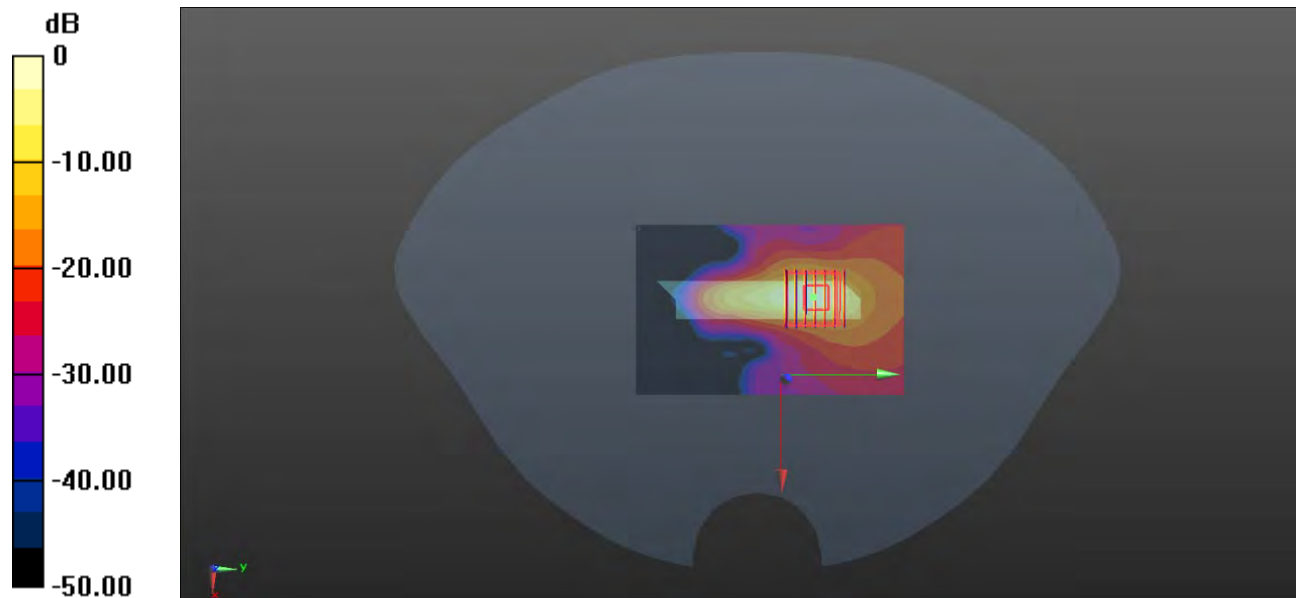
Ch110/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 10.91 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 39.6 W/kg

SAR(1 g) = 6.53 W/kg; SAR(10 g) = 1.54 W/kg

Maximum value of SAR (measured) = 15.9 W/kg



0 dB = 15.9 W/kg

Meas.76 Left Head with Cheek on Middle Channel in Bluetooth mode with Antenna 2

Date: 2021.05.31

Communication System Band: BT; Frequency: 2441 MHz; Duty Cycle: 1:1.313

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.78$ S/m; $\epsilon_r = 39.187$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.783 W/kg

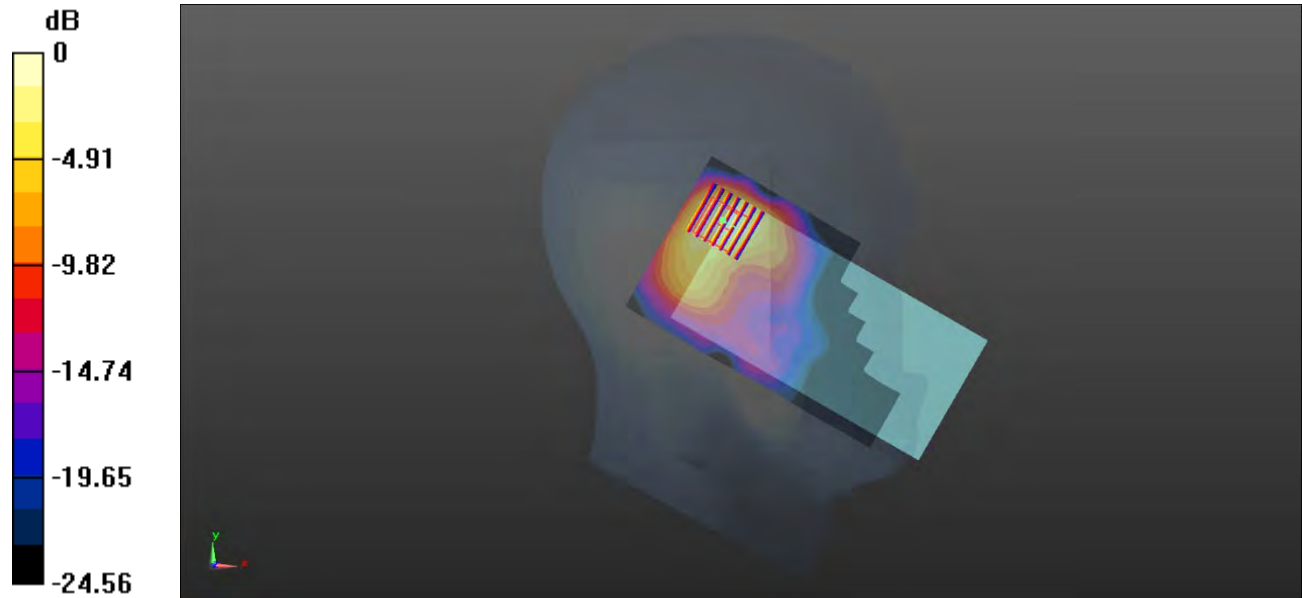
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.85 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.294 W/kg

Maximum value of SAR (measured) = 0.725 W/kg



0 dB = 0.725 W/kg

Meas.77 Body Plane with Back Side 15mm on Middle Channel in Bluetooth mode with Antenna 2

Date: 2021.06.15

Communication System Band: BT; Frequency: 2441 MHz; Duty Cycle: 1:1.313

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.778$ S/m; $\epsilon_r = 39.571$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0600 W/kg

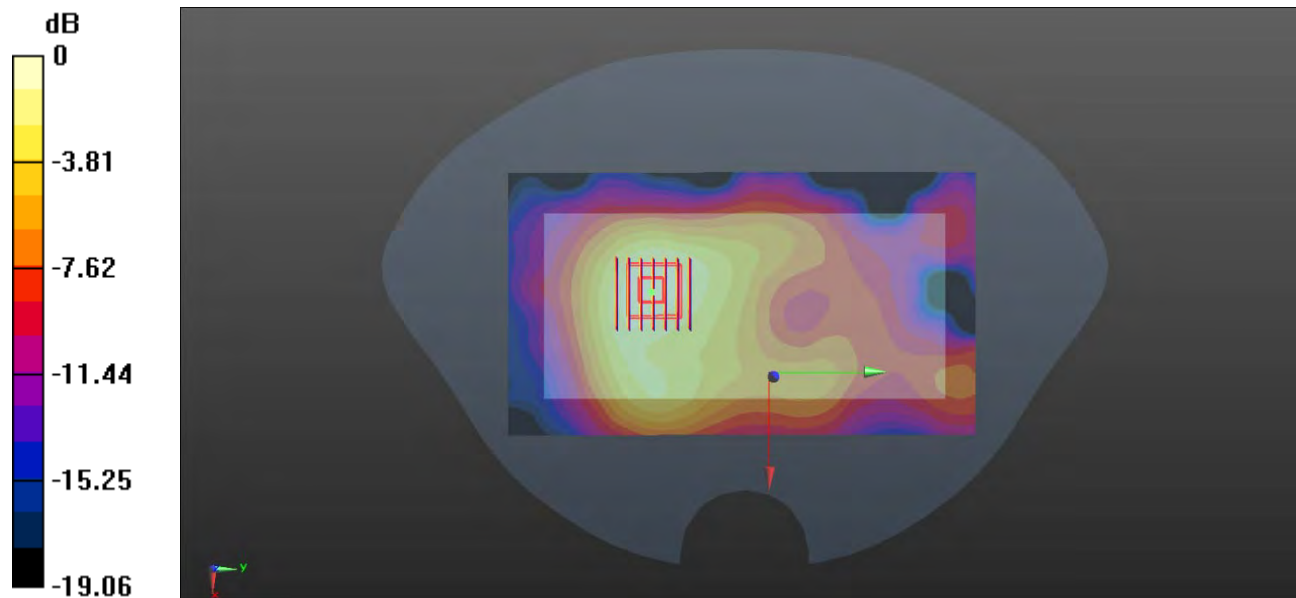
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.206 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.104 W/kg

SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.033 W/kg

Maximum value of SAR (measured) = 0.0620 W/kg



0 dB = 0.0620 W/kg

Meas.78 Body Plane with Top Edge 10mm on Middle Channel in Bluetooth mode with Antenna 2

Date: 2021.06.15

Communication System Band: BT; Frequency: 2441 MHz; Duty Cycle: 1:1.313

Medium parameters used (interpolated): $f = 2441 \text{ MHz}$; $\sigma = 1.778 \text{ S/m}$; $\epsilon_r = 39.571$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.66, 7.66, 7.66); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (61x91x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 0.227 W/kg

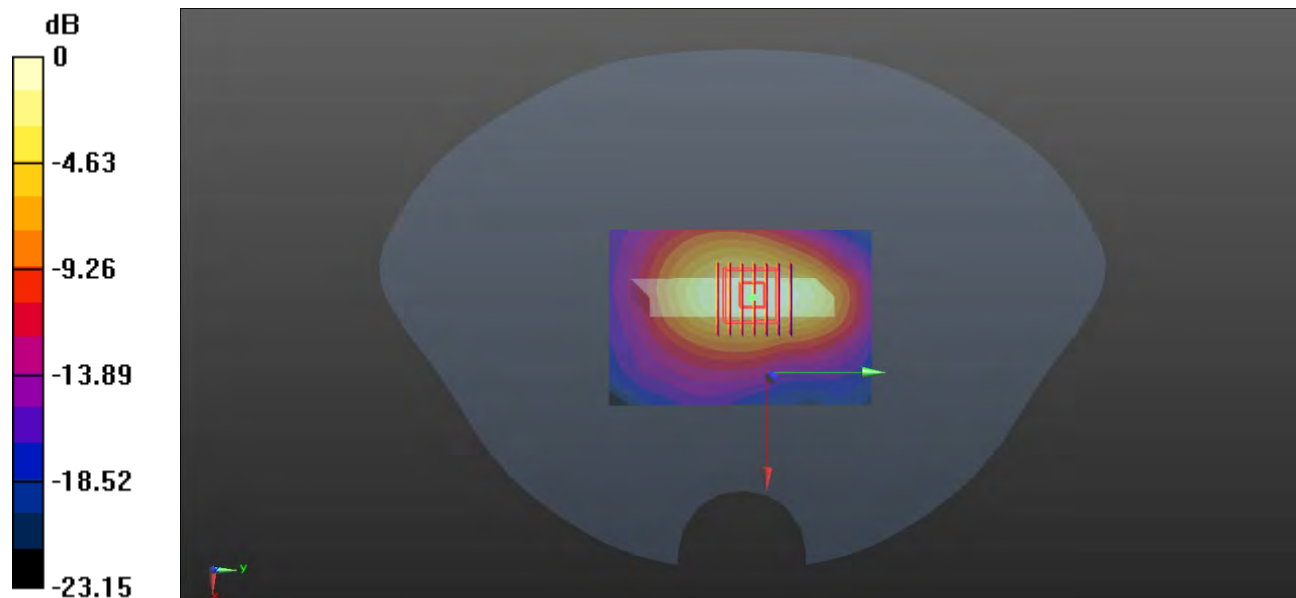
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.18 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.378 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.104 W/kg

Maximum value of SAR (measured) = 0.225 W/kg



0 dB = 0.225 W/kg

MEAS.79 Right Head with Tilt on PCC20850+SCC21048 in LTE Band 7 mode with Antenna 3

Date: 2021.05.27

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2510$ MHz; $\sigma = 1.861$ S/m; $\epsilon_r = 39.624$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850+21048/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.941 W/kg

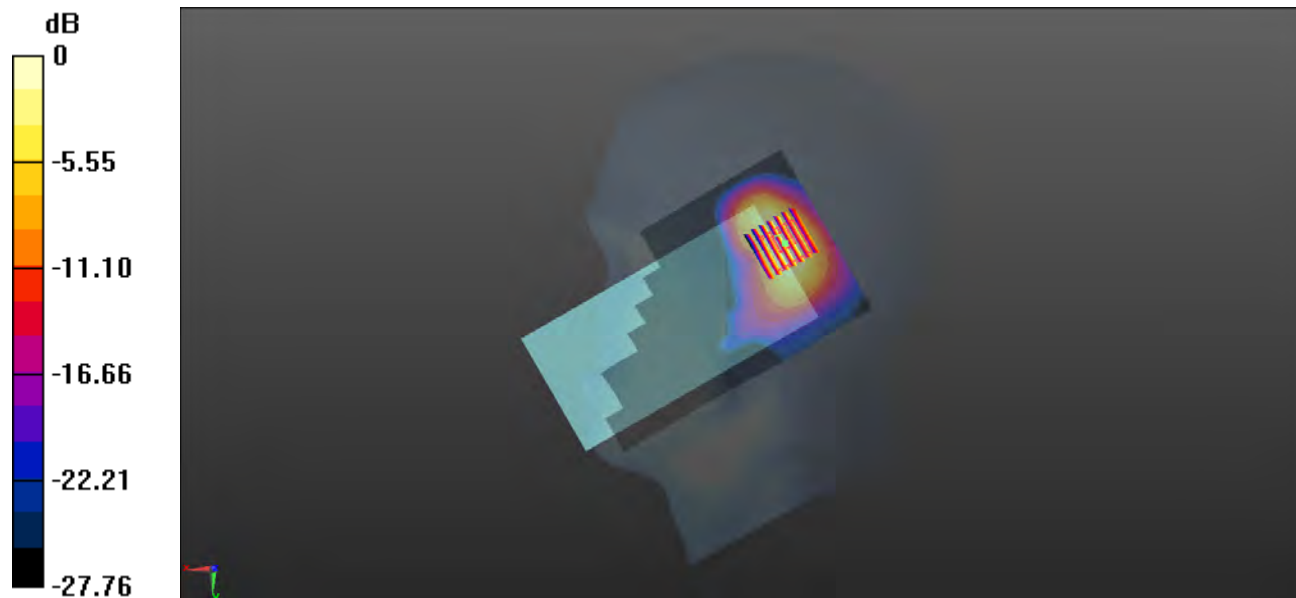
Ch20850+21048/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.84 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 0.810 W/kg; SAR(10 g) = 0.346 W/kg

Maximum value of SAR (measured) = 0.938 W/kg



0 dB = 0.938 W/kg

MEAS.80 Body Plane with Back Side 15mm on PCC20850+SCC21048 in LTE Band 7 mode with Antenna 4

Date: 2021.05.28

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2510$ MHz; $\sigma = 1.878$ S/m; $\epsilon_r = 39.641$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850+21048/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.464 W/kg

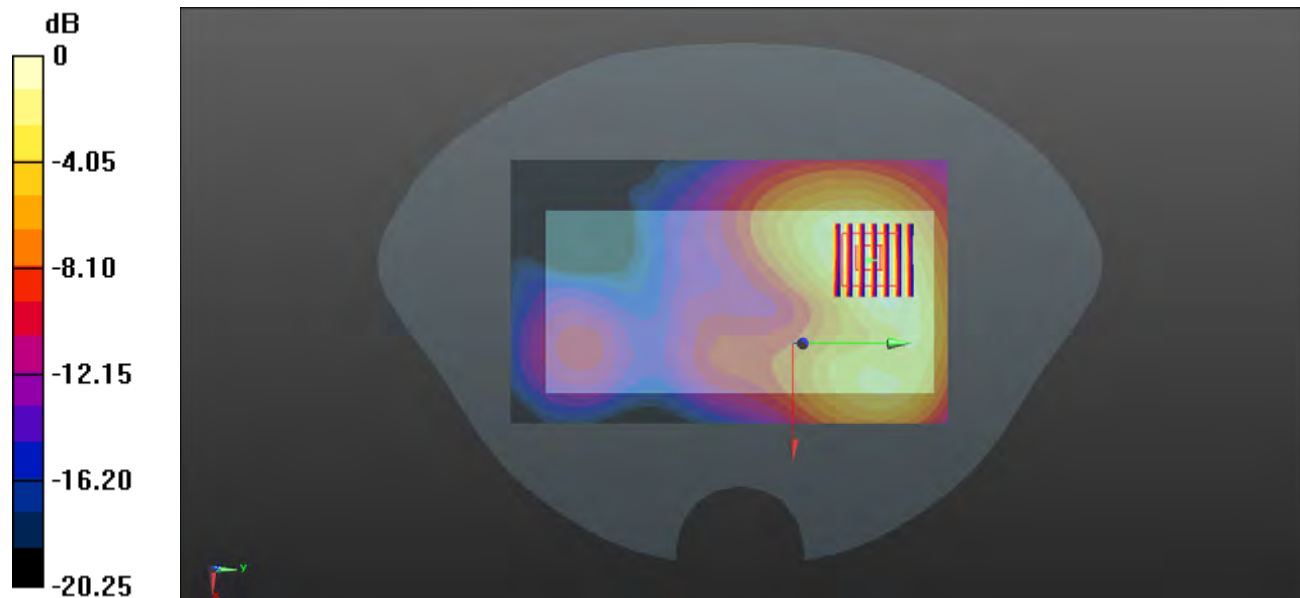
Ch20850+21048/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.974 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.773 W/kg

SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.238 W/kg

Maximum value of SAR (measured) = 0.471 W/kg



0 dB = 0.471 W/kg

MEAS.81 Body Plane with Bottom Edge 0mm on PCC21100+SCC21298 in LTE Band 7 mode with Antenna 4

Date: 2021.05.28

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.908$ S/m; $\epsilon_r = 39.514$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100+21298/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.960 W/kg

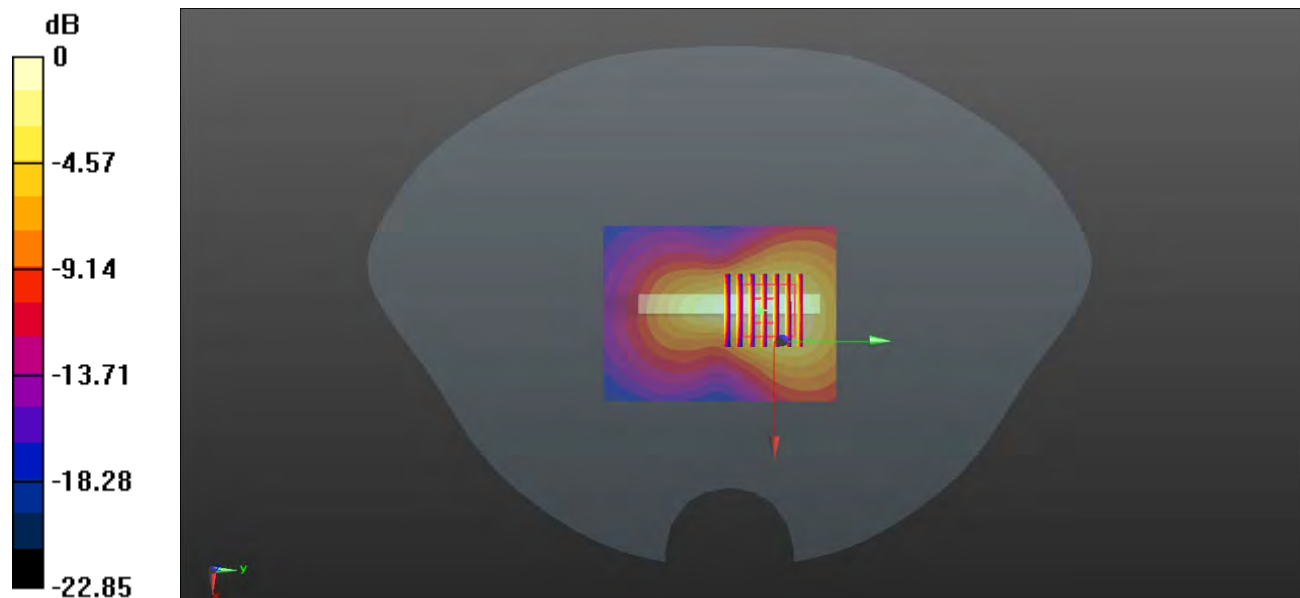
Ch21100+21298/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.16 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.795 W/kg; SAR(10 g) = 0.413 W/kg

Maximum value of SAR (measured) = 0.876 W/kg



0 dB = 0.876 W/kg

MEAS.82 Right Head with Tilt on PCC37850+SCC38048 in LTE Band 38 mode with Antenna 3

Date: 2021.06.03

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.926$ S/m; $\epsilon_r = 39.181$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850+38048/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.495 W/kg

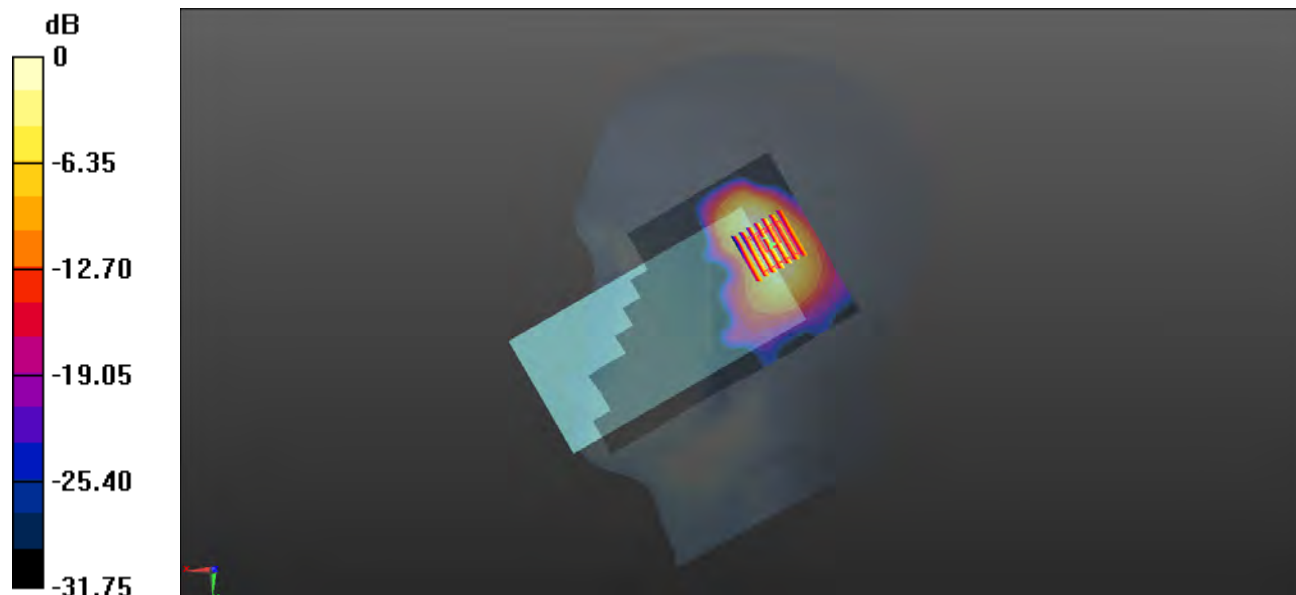
Ch37850+38048/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.23 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.444 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 0.521 W/kg



0 dB = 0.521 W/kg

MEAS.83 Body Plane with Back Side 15mm on PCC38150+SCC37952 in LTE Band 38 mode with Antenna 4

Date: 2021.06.04

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2610 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2610$ MHz; $\sigma = 1.97$ S/m; $\epsilon_r = 38.912$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150+37952/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.201 W/kg

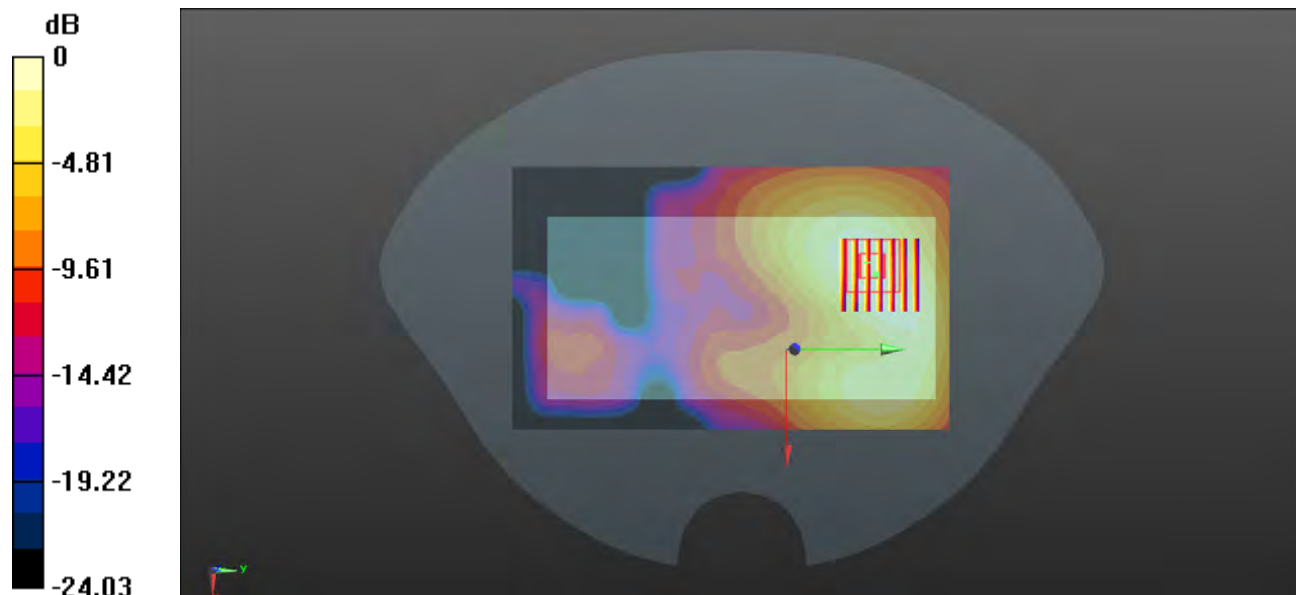
Ch38150+37952/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.347 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.310 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 0.186 W/kg



0 dB = 0.186 W/kg

MEAS.84 Body Plane with Bottom Edge 10mm on PCC38150+SCC37952 in LTE Band 38 mode with Antenna 4

Date: 2021.06.04

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2610 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2610$ MHz; $\sigma = 1.97$ S/m; $\epsilon_r = 38.912$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150+37952/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.419 W/kg

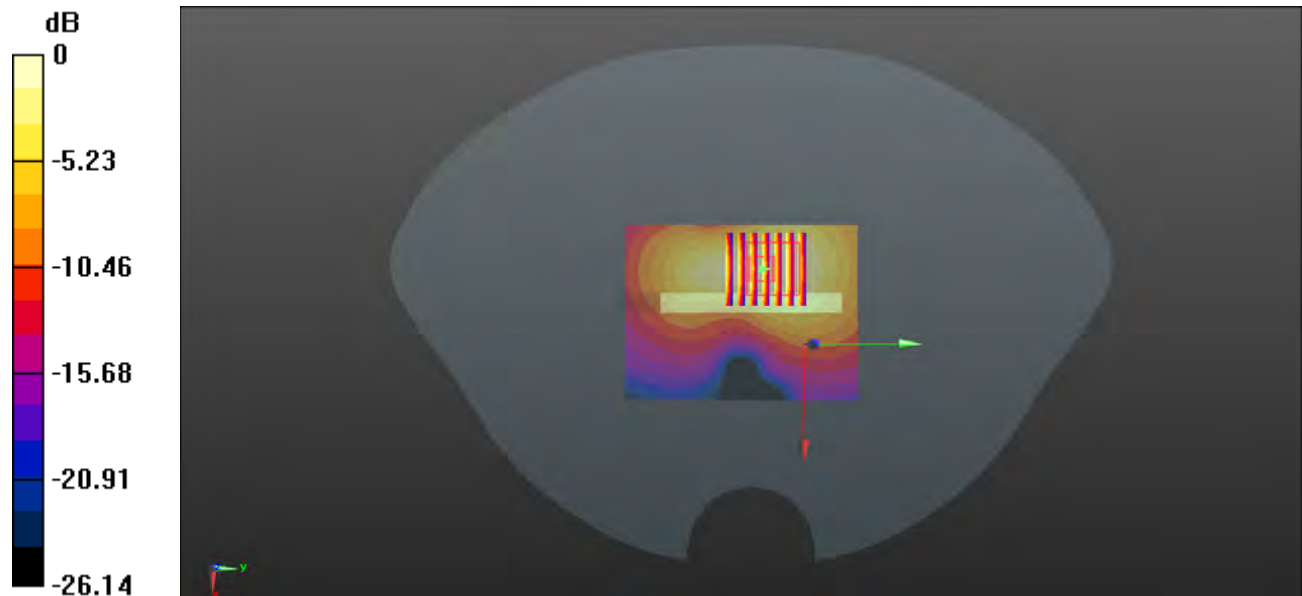
Ch38150+37952/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.868 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.701 W/kg

SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.190 W/kg

Maximum value of SAR (measured) = 0.414 W/kg



0 dB = 0.414 W/kg

MEAS.85 Right Head with Tilt on PCC39750+SCC39948 in LTE Band 41 mode with Antenna 3

Date: 2021.06.01

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2506 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2506$ MHz; $\sigma = 1.846$ S/m; $\epsilon_r = 39.881$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39750+39948/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.674 W/kg

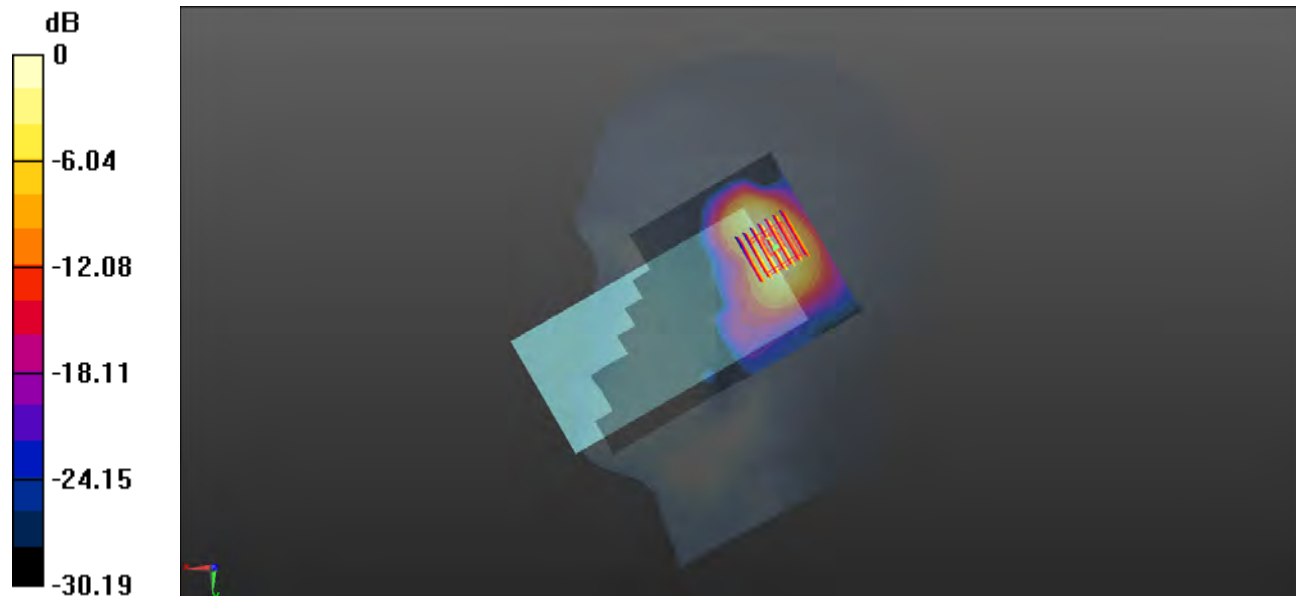
Ch39750+39948/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.79 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.253 W/kg

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



0 dB = 0.673 W/kg

MEAS.86 Body Plane with Back Side 15mm on PCC41490+SCC41292 in LTE Band 41 mode with Antenna 4

Date: 2021.06.02

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.58

Medium parameters used: $f = 2680$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 39.006$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490+41292/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.187 W/kg

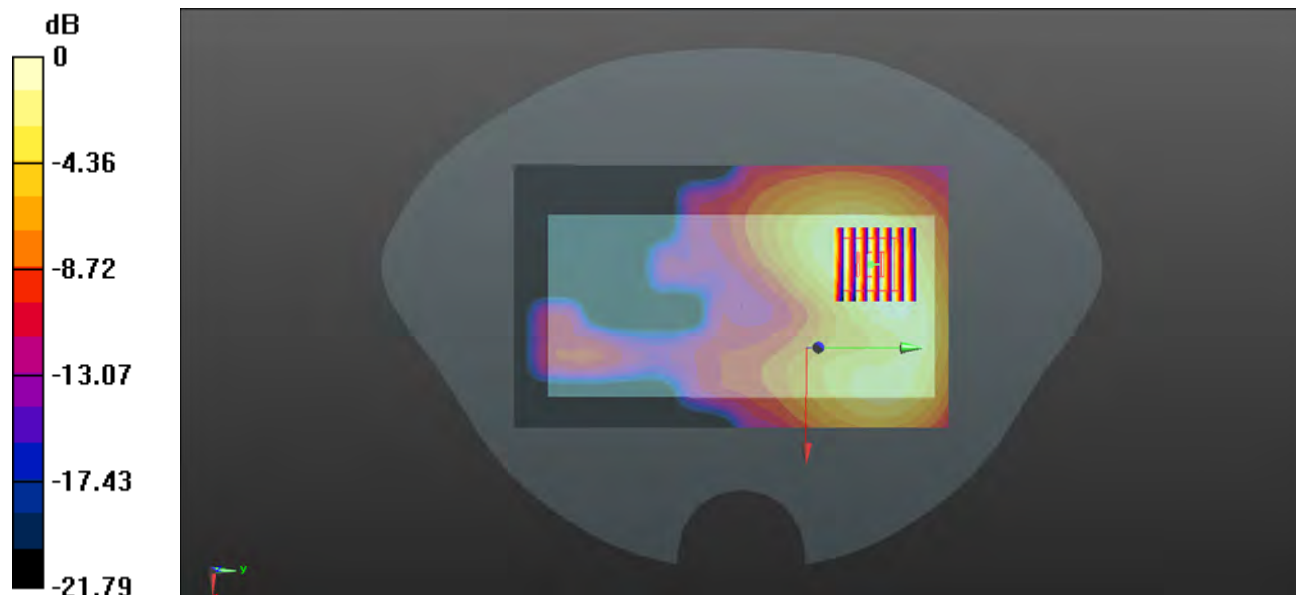
Ch41490+41292/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.022 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.186 W/kg



0 dB = 0.186 W/kg

MEAS.87 Body Plane with Top Edge 10mm on PCC41055+SCC40857 in LTE Band 41 mode with Antenna 3

Date: 2021.06.02

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2636.5 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2636.5$ MHz; $\sigma = 1.973$ S/m; $\epsilon_r = 39.344$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.5, 7.5, 7.5); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2020.09.30
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41055+40857/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.564 W/kg

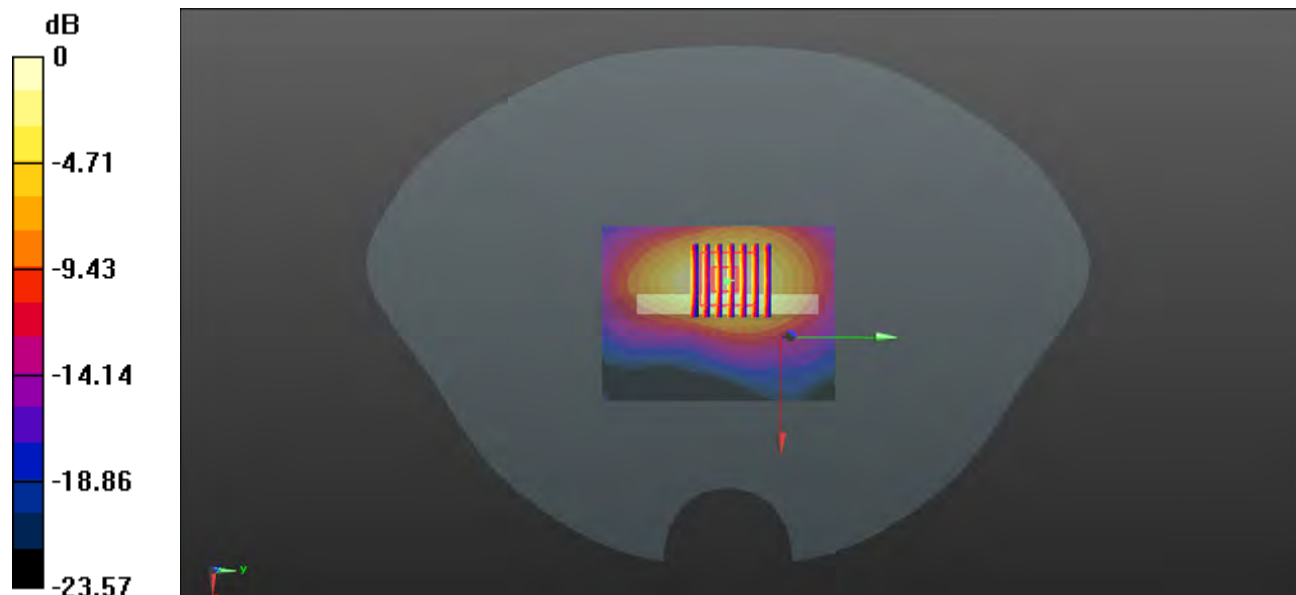
Ch41055+40857/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.37 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.945 W/kg

SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.226 W/kg

Maximum value of SAR (measured) = 0.533 W/kg



0 dB = 0.533 W/kg

ANNEX D SAR TEST SETUP PHOTOS

Please refer the document "BL-SZ2150760-AS.pdf".

ANNEX E CALIBRATION REPORT

Please refer the document "CALIBRATION REPORT.pdf".

--END OF REPORT--