SAR TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

FOR

Mobile Phone

ISSUED TO
Guangdong OPPO Mobile Telecommunications Corp., Ltd.

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

Report No.:	BL-SZ2190589-701
EUT Name:	Mobile Phone
Model Name:	CPH2307
Brand Name:	OPPO
FCC ID:	R9C-CPH2307
Test Standard:	47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Head (1 g): 1.004 W/kg Body (1 g): 0.384 W/kg Hotspot (1 g): 0.882 W/kg Specific (10 g): 1.709 W/kg
Test Conclusion:	Pass
Test Date:	Sep. 30, 2021 ~ Dec. 29, 2021
Date of Issue:	Jan. 27, 2022

Tested by: Xu Rui
Date: Jan. 27, 2022

Approved by: Wei Yanquan
(Chief Engineer)
Date: Jan. 27, 2022

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

Block B, 1st FL,Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong, P. R. China 518055
TEL: +86-755-66850100,FAX: +86-755-61824271
Email: qc@baluntek.com
www.baluntek.com

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Jan. 05, 2021	Initial Issue
Rev. 02	Jan. 27, 2021	Update Maximum Report SAR in section 3.3.1; Delete n38 related information of ANT5 in section 9

TABLE OF CONTENTS

1 GENERAL INFORMATION

1.1 Identification of the Testing Laboratory

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

1.2 Identification of the Responsible Testing Location

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

1.3 Test Environment Condition

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

1.4 Announce

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

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

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

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

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

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

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

2 PRODUCT INFORMATION

2.1 Applicant Information

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

2.2 Manufacturer Information

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

2.3 Factory Information

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

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	CPH2307
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	0
Software Version	ColorOS V12.1
Dimensions (Approx.)	160.3*72.6*8.68mm
Weight (Approx.)	196g (with battery)
EUT ID	S03, S06, S017, S018
IMEI Number	S03: 868179050035313
	S06: 868179050035073
	S017: 868179050035537
	S018: 868179050035594
Note1: EUT ID is used to identify the test sample in the lab internally. Note2: It is performed to test SAR with the EUT S017, S018 and conducted power with the EUT S03, S06.	

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	OPPO
	Model No.	BLP891
	Serial No.	N/A
	Capacity	Rated: 2340mAh/18.11Wh Typical: 2400mAh/18.57Wh
	Rated Voltage	7.74 V
	Limit Charge Voltage	8.90 V

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA/DC-HSDPA/HSPA+ Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/13/17/25/26/66 LTE TDD Band 38/41 LTE CA Uplink (UL): CA_7C, CA_38C, CA_41C 5G Network SA: NR n5/n7/n12/n13/n26/n38/n41/n66 NSA: DC_5A_n7A, DC_7A_n5A, DC_7A_n66A, DC_25A_n41A, DC_26A_n41A, DC_66A_n7A 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(VHT20/40/80/160), 802.11ax(HE20/40/80/160) U-NII-1/2A/2C/3 GPS, GLONASS, Beidou, Galileo, 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 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 25	TX: 1850 ~ 1915 MHz	RX: 746 ~ 756 MHz
	LTE Band 26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: ~ 2180 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	NR n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	NR n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	NR n12	TX: 699 ~ 716MHz	RX: 729 ~ 746 MHz
	NR n13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	NR n26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 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 /n(HT20/HT40)	2412 ~ 2462 MHz	
	802.11ac(VHT20/40)	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/VHT160)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	802.11 ax(HE20/HE40/ HE80/HE160)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	Bluetooth	2402 ~ 2480 MHz	
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna		
DTM	Support		
Hotspot Function	Support		
Power Reduction	Support		
Exposure Category	General Population/Uncontrolled exposure		
EUT Stage	Portable Device		
Product	Type		
	☒ Production unit	☐ Identical prototype	

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

3 SUMMARY OF TEST RESULT

3.1 Test Standards

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

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR (1 g Value)

Band	Maximum Scaled SAR (W/kg)			Maximum Report SAR (W/kg)		
	Head	Body-worn Accessory	Hotspot	Head	Body-worn Accessory	Hotspot
GSM 850	0.478	0.303	0.429	1.004	0.384	0.882
GSM 1900	0.749	0.162	0.773			
WCDMA Band 2	0.714	0.228	0.531			
WCDMA Band 4	0.871	0.335	0.653			
WCDMA Band 5	0.805	0.351	0.757			
LTE Band 2	0.661	0.218	0.455			
LTE Band 4	0.838	0.314	0.682			
LTE Band 5	0.859	0.274	0.760			
LTE Band 7	0.841	0.144	0.449			
LTE Band 12	0.714	0.324	0.721			
LTE Band 13	0.404	0.235	0.413			
LTE Band 25	0.616	0.206	0.460			
LTE Band 26	0.622	0.233	0.601			
LTE Band 66	0.852	0.314	0.552			
LTE Band 38	**1.004**	0.196	0.480			
LTE Band 41	0.684	0.177	0.411			
CA_7C	0.800	0.140	0.449			
CA_38C	0.993	0.140	0.321			
CA_41C	0.550	0.130	0.279			
NR n5	0.470	0.156	0.378			
NR n7	0.710	0.132	0.451			
NR n12	0.316	0.110	0.312			
NR n13	0.233	0.131	0.324			
NR n26	0.379	0.143	0.467			
NR n38	0.748	**0.384**	**0.882**			
NR n41	0.525	0.142	0.536			
NR n66	0.778	0.251	0.592			
2.4G WLAN	0.775	0.142	0.264			
5.2G WLAN	/	0.160	0.400			
5.3G WLAN	0.729	/	/			
5.6G WLAN	0.696	0.279	/			
5.8G WLAN	0.534	0.225	0.388			
Bluetooth	0.588	0.049	0.188			
Limit (W/kg)	1.6			1.6		
Verdict	PASS					

Note: This device supports both LTE Band 17 and Band 12. Since 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 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 4	1.317	1.709
LTE Band 4	1.309	
LTE Band 7	0.833	
NR n7	0.645	
NR n38	1.015	
NR n41	1.038	
NR n66	1.301	
5.3G WLAN	**1.709**	
5.6G WLAN	1.465	
Limit (W/kg)	4.0	4.0
Verdict	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 1.004 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.
The maximum 10 g SAR for the EUT in this report is 1.709 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

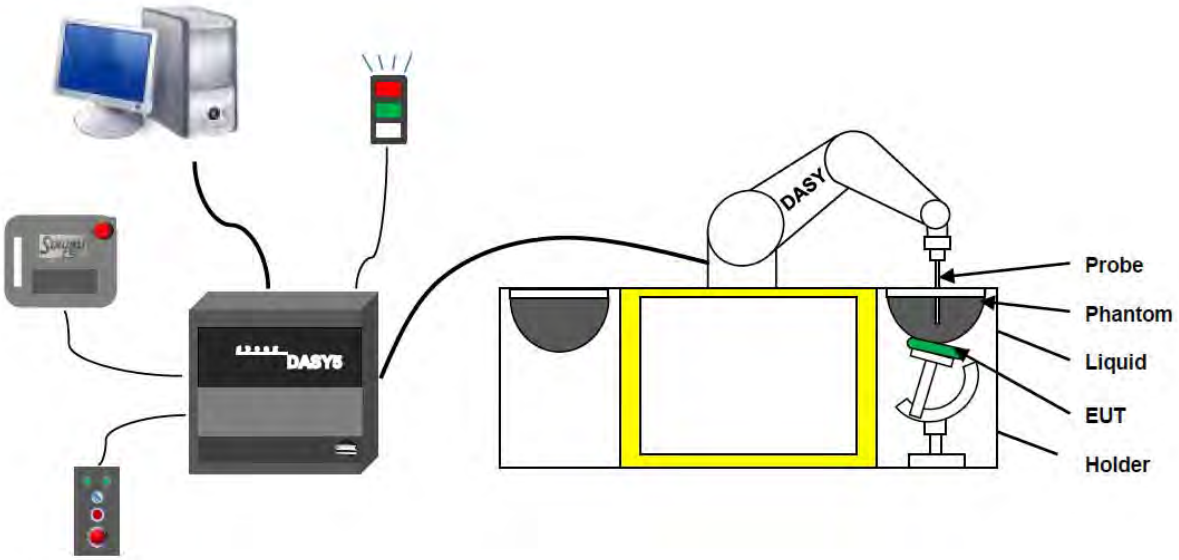
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^2}{\boldsymbol{\rho}}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



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

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

4.2.2 Robot

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

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

4.2.3 E-Field Probe

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

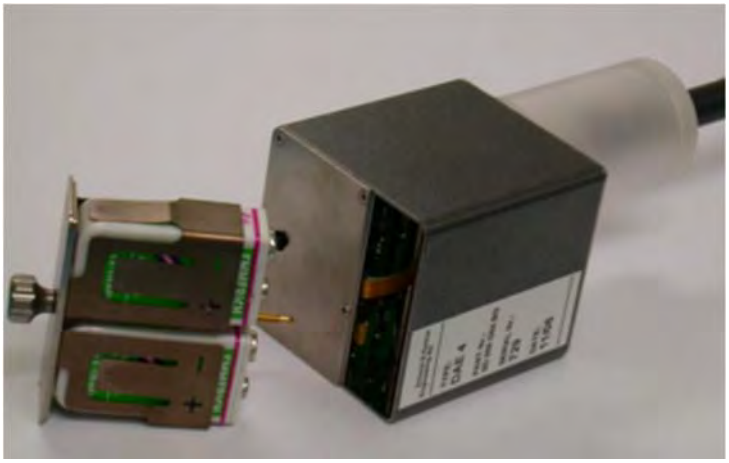
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 3 GHz;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

E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

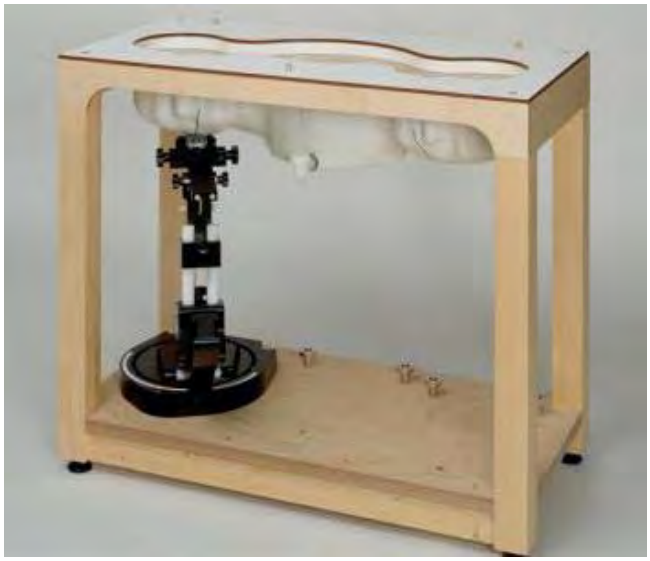
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

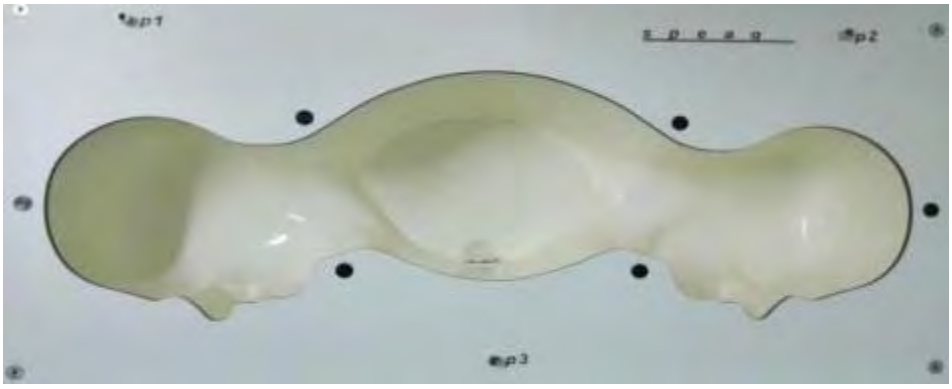
4.2.5 Phantoms

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



- Left hand
- Right hand
- Flat phantom

Photo of Phantom SN1857



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

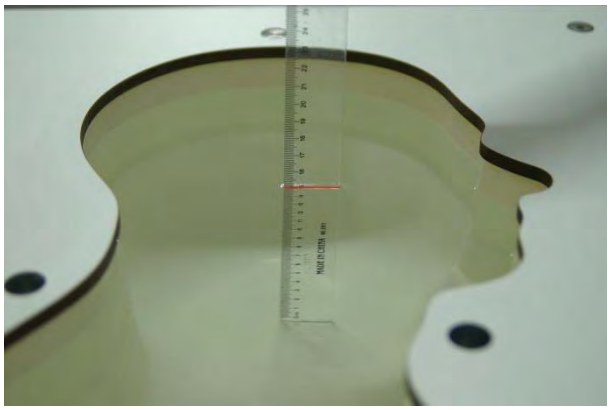
4.2.6 Device Holder

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

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

4.2.7 Simulating Liquid

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

Head Liquid Depth	Body Liquid Depth
	

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

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

5500	78.60	21.40	/	5.44	
5800	78.50	21.40	0.1	6.0	48.20

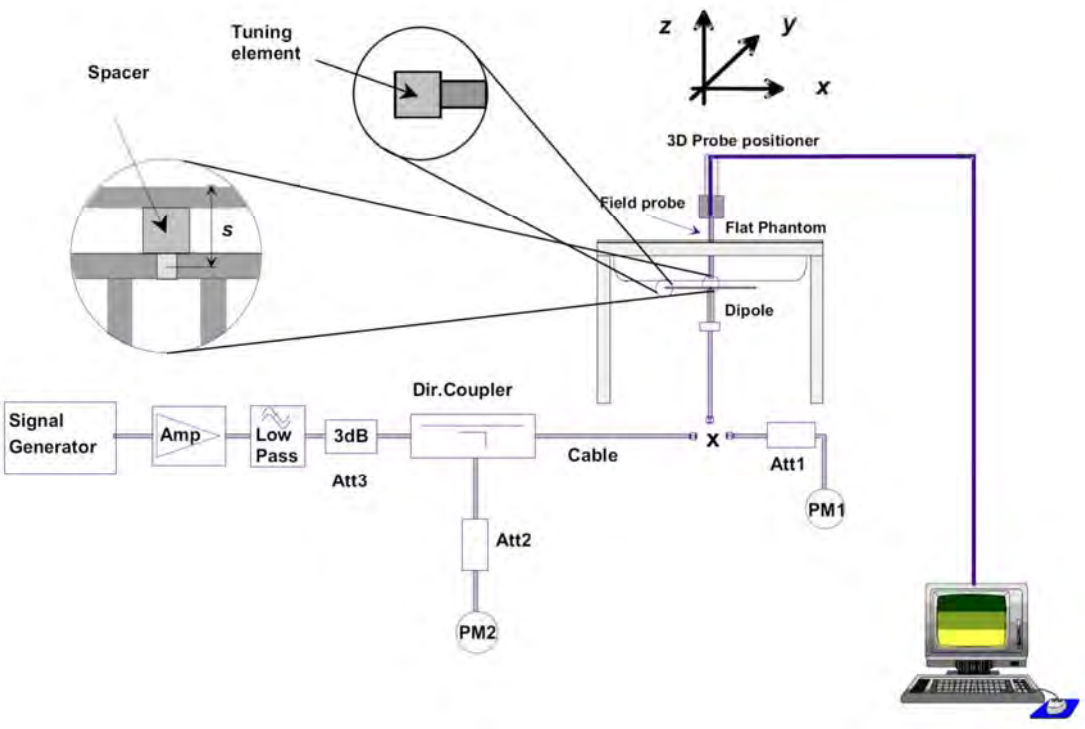
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

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

6.1 Head Exposure Conditions

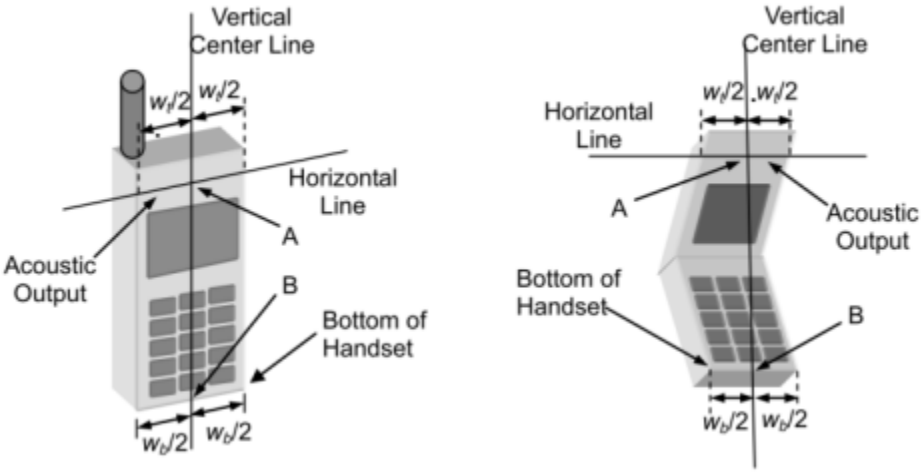
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

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

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

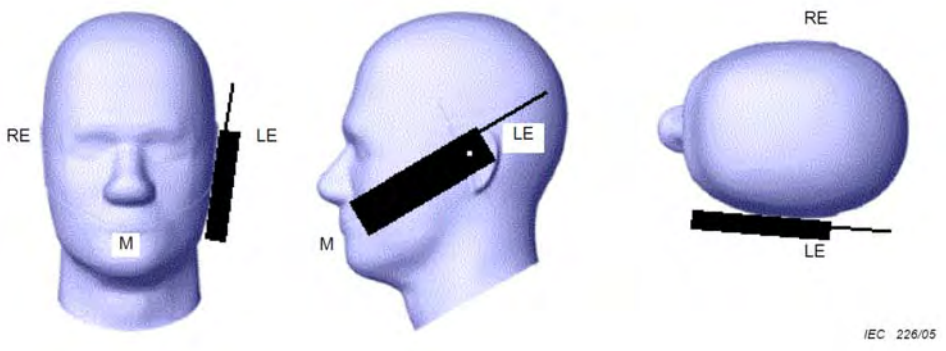
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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



6.1.2 Cheek Position

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

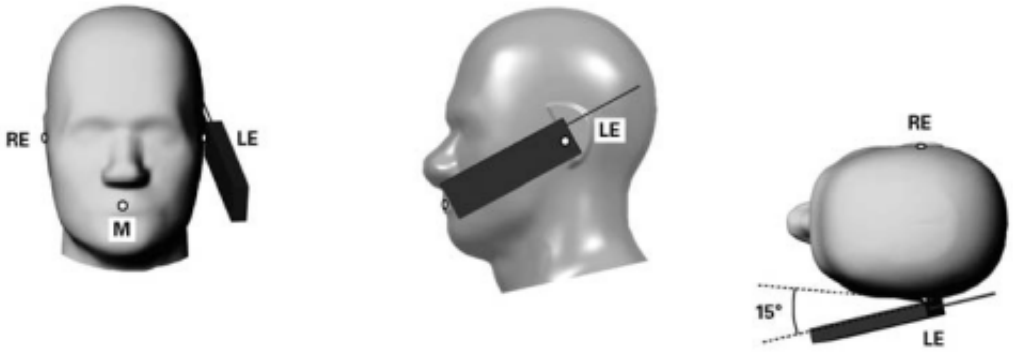
(b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with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



6.1.3 Tilted Position

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

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

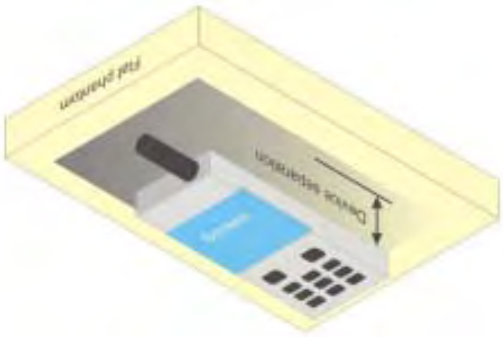


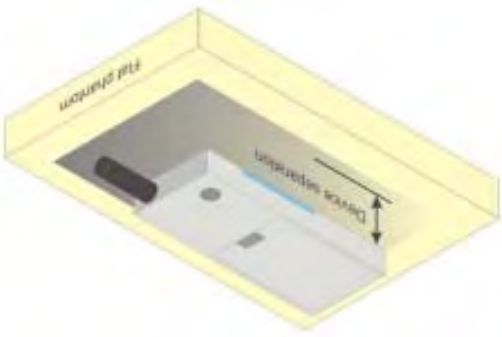
6.2 Body-worn Position Conditions

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

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

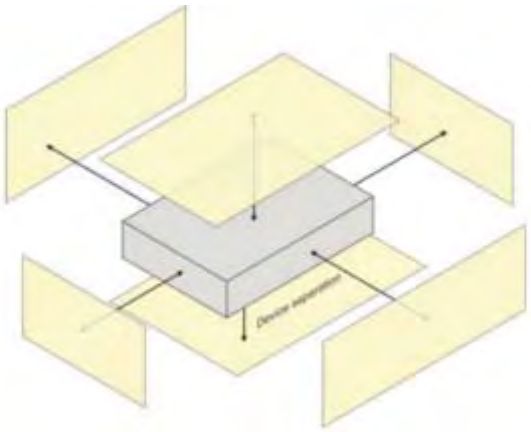
Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice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





6.3 Hotspot Mode Exposure Position Conditions

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



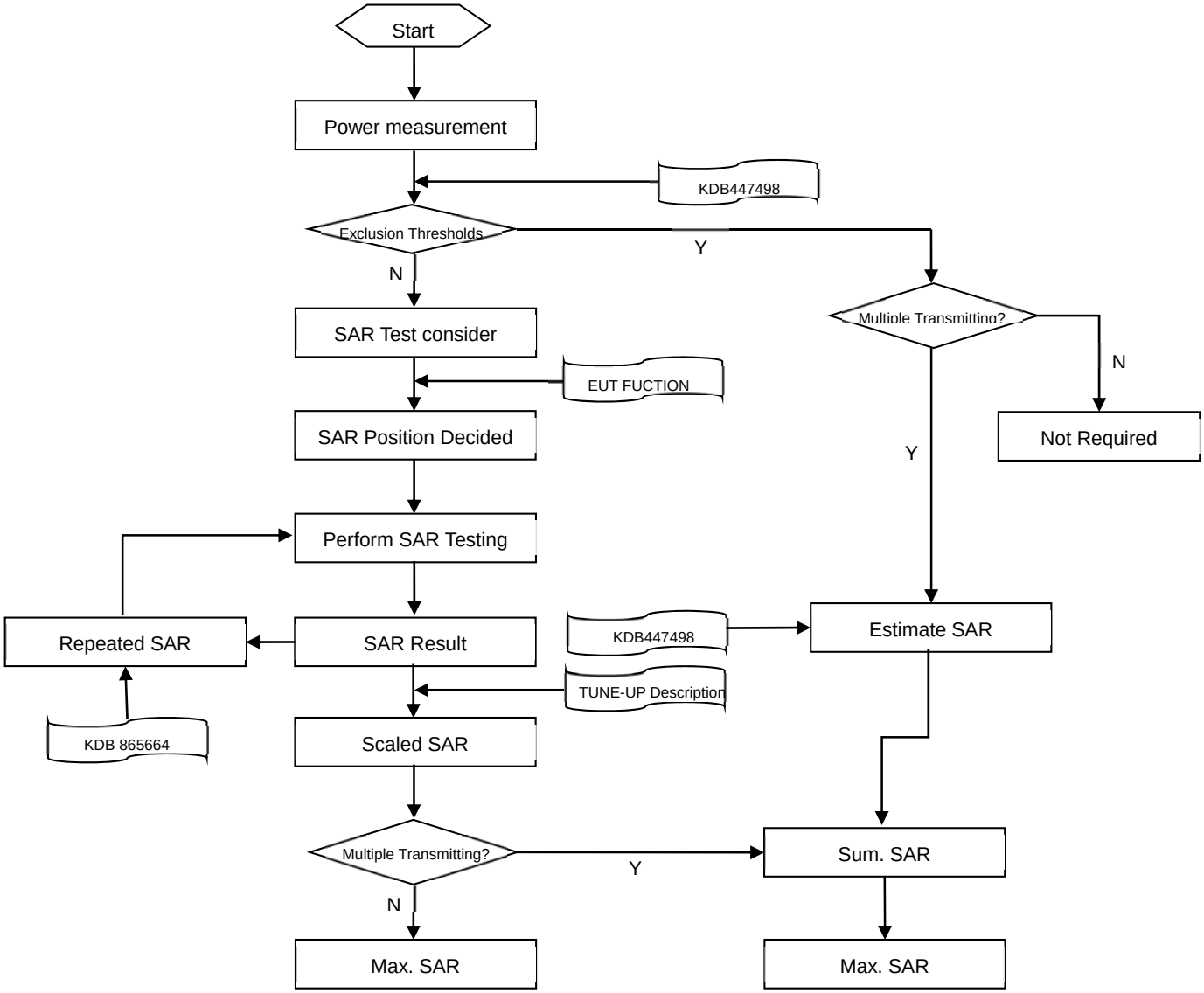
6.4 Product Specific 10g Exposure Consideration

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

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

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

7.3 Measurement Procedure

The following steps are used for each test position

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

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

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

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

7.4 Area & Zoom Scan Procedure

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

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

8 CONDUCTED RF OUPUT POWER

8.1 GSM

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

8.2 WCDMA

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

8.3 LTE

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

8.4 Intra-Band Uplink CA Power

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

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

8.5 5G NR

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

8.6 WIFI

8.6.1 2.4G WIFI Full Power ANT10

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	17.76	18.00	Yes
		6	2437	**17.83**	18.00	Yes
		11	2462	17.72	18.00	Yes
	802.11g	1	2412	18.70	19.00	No
		6	2437	18.86	19.00	No
		11	2462	18.68	19.00	No
	802.11n(HT20)	1	2412	18.92	19.00	No
		6	2437	18.71	19.00	No
		11	2462	18.74	19.00	No
	802.11n(HT40)	3	2422	18.75	19.00	No
		6	2437	18.72	19.00	No
		9	2452	18.86	19.00	No
	802.11ac(VHT20)	1	2412	18.77	19.00	No
		6	2437	18.70	19.00	No
		11	2462	18.64	19.00	No
	802.11ac(VHT40)	3	2422	18.91	19.00	No
		6	2437	18.89	19.00	No
		9	2452	18.91	19.00	No
	802.11ax(HE20) (SU)	1	2412	18.68	19.00	No
		6	2437	18.86	19.00	No
		11	2462	18.68	19.00	No
	802.11ax(HE40) (SU)	3	2422	18.95	19.00	No
		6	2437	18.93	19.00	No
		9	2452	18.78	19.00	No

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

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

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

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

Adjusted SAR = 0.870* (79.43mW/63.10mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.2 2.4G WIFI Full Power ANT6

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	17.08	18.00	Yes
		6	2437	**17.16**	18.00	Yes
		11	2462	17.11	18.00	Yes
	802.11g	1	2412	18.73	19.00	No
		6	2437	18.69	19.00	No
		11	2462	18.91	19.00	No
	802.11n(HT20)	1	2412	18.84	19.00	No
		6	2437	18.88	19.00	No
		11	2462	18.86	19.00	No
	802.11n(HT40)	3	2422	18.77	19.00	No
		6	2437	18.94	19.00	No
		9	2452	18.78	19.00	No
	802.11ac(VHT20)	1	2412	17.95	19.00	No
		6	2437	18.22	19.00	No
		11	2462	18.02	19.00	No
	802.11ac(VHT40)	3	2422	18.06	19.00	No
		6	2437	18.00	19.00	No
		9	2452	17.97	19.00	No
	802.11ax(HE20) (SU)	1	2412	18.18	19.00	No
		6	2437	18.19	19.00	No
		11	2462	18.18	19.00	No
	802.11ax(HE40) (SU)	3	2422	17.01	19.00	No
		6	2437	17.16	19.00	No
		9	2452	17.18	19.00	No

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

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

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

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

Adjusted SAR = 0.870* (79.43mW/63.10mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.3 2.4G WIFI Full Power MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	20.44	21.00	Yes
		6	2437	**20.52**	21.00	Yes
		11	2462	20.44	21.00	Yes
	802.11g	1	2412	21.73	22.00	No
		6	2437	21.79	22.00	No
		11	2462	21.81	22.00	No
	802.11n(HT20)	1	2412	21.89	22.00	No
		6	2437	21.81	22.00	No
		11	2462	21.81	22.00	No
	802.11n(HT40)	3	2422	21.77	22.00	No
		6	2437	21.84	22.00	No
		9	2452	21.83	22.00	No
	802.11ac(VHT20)	1	2412	21.39	22.00	No
		6	2437	21.48	22.00	No
		11	2462	21.35	22.00	No
	802.11ac(VHT40)	3	2422	21.52	22.00	No
		6	2437	21.48	22.00	No
		9	2452	21.48	22.00	No
	802.11ax(HE20) (SU)	1	2412	21.45	22.00	No
		6	2437	21.55	22.00	No
		11	2462	21.45	22.00	No
	802.11ax(HE40) (SU)	3	2422	21.10	22.00	No
		6	2437	21.14	22.00	No
		9	2452	21.06	22.00	No

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

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

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

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

Adjusted SAR = 0.870* (158.49mW/125.89mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.4 2.4G WIFI ANT10 State1

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	**15.26**	15.50	Yes
		6	2437	15.21	15.50	Yes
		11	2462	15.10	15.50	Yes
	802.11g	1	2412	16.27	16.50	No
		6	2437	16.37	16.50	No
		11	2462	16.17	16.50	No
	802.11n(HT20)	1	2412	16.39	16.50	No
		6	2437	16.40	16.50	No
		11	2462	16.34	16.50	No
	802.11n(HT40)	3	2422	16.16	16.50	No
		6	2437	16.32	16.50	No
		9	2452	16.30	16.50	No
	802.11ac(VHT20)	1	2412	16.26	16.50	No
		6	2437	16.23	16.50	No
		11	2462	16.15	16.50	No
	802.11ac(VHT40)	3	2422	16.33	16.50	No
		6	2437	16.27	16.50	No
		9	2452	16.40	16.50	No
	802.11ax(HE20) (SU)	1	2412	16.19	16.50	No
		6	2437	16.21	16.50	No
		11	2462	16.29	16.50	No
	802.11ax(HE40) (SU)	3	2422	16.41	16.50	No
		6	2437	16.30	16.50	No
		9	2452	16.36	16.50	No

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

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

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

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

Adjusted SAR = 0.870* (44.67mW/35.48mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.5 2.4G WIFI ANT6 State1

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	17.08	18.00	Yes
		6	2437	**17.16**	18.00	Yes
		11	2462	17.11	18.00	Yes
	802.11g	1	2412	18.73	19.00	No
		6	2437	18.69	19.00	No
		11	2462	18.91	19.00	No
	802.11n(HT20)	1	2412	18.84	19.00	No
		6	2437	18.88	19.00	No
		11	2462	18.86	19.00	No
	802.11n(HT40)	3	2422	18.77	19.00	No
		6	2437	18.94	19.00	No
		9	2452	18.78	19.00	No
	802.11ac(VHT20)	1	2412	18.14	19.00	No
		6	2437	18.03	19.00	No
		11	2462	18.06	19.00	No
	802.11ac(VHT40)	3	2422	18.08	19.00	No
		6	2437	18.09	19.00	No
		9	2452	18.04	19.00	No
	802.11ax(HE20) (SU)	1	2412	17.98	19.00	No
		6	2437	17.99	19.00	No
		11	2462	17.97	19.00	No
	802.11ax(HE40) (SU)	3	2422	17.23	19.00	No
		6	2437	17.17	19.00	No
		9	2452	17.11	19.00	No

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

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

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

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

Adjusted SAR = 0.870* (79.43mW/63.10mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.6 2.4G WIFI MIMO State1

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	**18.27**	18.50	Yes
		6	2437	18.26	18.50	Yes
		11	2462	18.01	18.50	Yes
	802.11g	1	2412	19.24	19.50	No
		6	2437	19.30	19.50	No
		11	2462	19.18	19.50	No
	802.11n(HT20)	1	2412	19.28	19.50	No
		6	2437	19.27	19.50	No
		11	2462	19.32	19.50	No
	802.11n(HT40)	3	2422	19.18	19.50	No
		6	2437	19.32	19.50	No
		9	2452	19.27	19.50	No
	802.11ac(VHT20)	1	2412	18.83	19.50	No
		6	2437	18.77	19.50	No
		11	2462	18.76	19.50	No
	802.11ac(VHT40)	3	2422	18.83	19.50	No
		6	2437	18.77	19.50	No
		9	2452	18.82	19.50	No
	802.11ax(HE20) (SU)	1	2412	18.80	19.50	No
		6	2437	18.83	19.50	No
		11	2462	18.85	19.50	No
	802.11ax(HE40) (SU)	3	2422	19.32	19.50	No
		6	2437	19.22	19.50	No
		9	2452	19.38	19.50	No

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

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

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

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

Adjusted SAR = 0.870* (89.13mW/70.79mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.7 2.4G WIFI ANT6 State2

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	17.08	18.00	Yes
		6	2437	**17.16**	18.00	Yes
		11	2462	17.11	18.00	Yes
	802.11g	1	2412	18.73	19.00	No
		6	2437	18.69	19.00	No
		11	2462	18.91	19.00	No
	802.11n(HT20)	1	2412	18.84	19.00	No
		6	2437	18.88	19.00	No
		11	2462	18.86	19.00	No
	802.11n(HT40)	3	2422	18.77	19.00	No
		6	2437	18.94	19.00	No
		9	2452	18.78	19.00	No
	802.11ac(VHT20)	1	2412	18.14	19.00	No
		6	2437	18.03	19.00	No
		11	2462	18.06	19.00	No
	802.11ac(VHT40)	3	2422	18.08	19.00	No
		6	2437	18.09	19.00	No
		9	2452	18.04	19.00	No
	802.11ax(HE20) (SU)	1	2412	17.98	19.00	No
		6	2437	17.99	19.00	No
		11	2462	17.97	19.00	No
	802.11ax(HE40) (SU)	3	2422	17.23	19.00	No
		6	2437	17.17	19.00	No
		9	2452	17.11	19.00	No

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

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

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

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

Adjusted SAR = 0.870* (79.43mW/63.10mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.8 2.4G WIFI MIMO State2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	20.44	21.00	Yes
		6	2437	**20.52**	21.00	Yes
		11	2462	20.44	21.00	Yes
	802.11g	1	2412	21.73	22.00	No
		6	2437	21.79	22.00	No
		11	2462	21.81	22.00	No
	802.11n(HT20)	1	2412	21.89	22.00	No
		6	2437	21.81	22.00	No
		11	2462	21.81	22.00	No
	802.11n(HT40)	3	2422	21.77	22.00	No
		6	2437	21.84	22.00	No
		9	2452	21.83	22.00	No
	802.11ac(VHT20)	1	2412	21.58	22.00	No
		6	2437	21.31	22.00	No
		11	2462	21.39	22.00	No
	802.11ac(VHT40)	3	2422	21.38	22.00	No
		6	2437	21.31	22.00	No
		9	2452	21.59	22.00	No
	802.11ax(HE20) (SU)	1	2412	21.59	22.00	No
		6	2437	21.45	22.00	No
		11	2462	21.56	22.00	No
	802.11ax(HE40) (SU)	3	2422	21.86	22.00	No
		6	2437	21.83	22.00	No
		9	2452	21.88	22.00	No

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

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

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

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

Adjusted SAR = 0.870* (158.49mW/125.89mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.9 2.4G WIFI ANT10 State3

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	10.68	11.00	Yes
		6	2437	**10.71**	11.00	Yes
		11	2462	10.67	11.00	Yes
	802.11g	1	2412	11.46	12.00	No
		6	2437	11.38	12.00	No
		11	2462	11.24	12.00	No
	802.11n(HT20)	1	2412	11.44	12.00	No
		6	2437	11.39	12.00	No
		11	2462	11.11	12.00	No
	802.11n(HT40)	3	2422	11.28	12.00	No
		6	2437	11.35	12.00	No
		9	2452	11.18	12.00	No
	802.11ac(VHT20)	1	2412	11.66	12.00	No
		6	2437	11.82	12.00	No
		11	2462	11.81	12.00	No
	802.11ac(VHT40)	3	2422	11.78	12.00	No
		6	2437	11.82	12.00	No
		9	2452	11.79	12.00	No
	802.11ax(HE20) (SU)	1	2412	11.55	12.00	No
		6	2437	11.59	12.00	No
		11	2462	11.59	12.00	No
	802.11ax(HE40) (SU)	3	2422	11.31	12.00	No
		6	2437	11.36	12.00	No
		9	2452	11.13	12.00	No

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

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

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

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

Adjusted SAR = 0.870* (15.85mW/12.59mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.10 2.4G WIFI ANT6 State3

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	15.78	16.00	Yes
		6	2437	**15.81**	16.00	Yes
		11	2462	15.58	16.00	Yes
	802.11g	1	2412	16.48	17.00	No
		6	2437	16.41	17.00	No
		11	2462	16.20	17.00	No
	802.11n(HT20)	1	2412	16.40	17.00	No
		6	2437	16.26	17.00	No
		11	2462	16.18	17.00	No
	802.11n(HT40)	3	2422	16.36	17.00	No
		6	2437	16.27	17.00	No
		9	2452	16.28	17.00	No
	802.11ac(VHT20)	1	2412	16.03	17.00	No
		6	2437	15.93	17.00	No
		11	2462	16.03	17.00	No
	802.11ac(VHT40)	3	2422	15.91	17.00	No
		6	2437	16.09	17.00	No
		9	2452	16.14	17.00	No
	802.11ax(HE20) (SU)	1	2412	15.95	17.00	No
		6	2437	16.07	17.00	No
		11	2462	16.12	17.00	No
	802.11ax(HE40) (SU)	3	2422	16.32	17.00	No
		6	2437	16.27	17.00	No
		9	2452	16.15	17.00	No

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

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

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

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

Adjusted SAR = 0.870* (50.12mW/39.81mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.11 2.4G WIFI MIMO State3

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	13.62	14.00	Yes
		6	2437	**13.63**	14.00	Yes
		11	2462	13.57	14.00	Yes
	802.11g	1	2412	14.52	15.00	No
		6	2437	14.56	15.00	No
		11	2462	14.45	15.00	No
	802.11n(HT20)	1	2412	14.56	15.00	No
		6	2437	14.51	15.00	No
		11	2462	14.44	15.00	No
	802.11n(HT40)	3	2422	14.52	15.00	No
		6	2437	14.47	15.00	No
		9	2452	14.43	15.00	No
	802.11ac(VHT20)	1	2412	14.37	15.00	No
		6	2437	14.47	15.00	No
		11	2462	14.37	15.00	No
	802.11ac(VHT40)	3	2422	14.49	15.00	No
		6	2437	14.44	15.00	No
		9	2452	14.43	15.00	No
	802.11ax(HE20) (SU)	1	2412	14.28	15.00	No
		6	2437	14.30	15.00	No
		11	2462	14.32	15.00	No
	802.11ax(HE40) (SU)	3	2422	14.55	15.00	No
		6	2437	14.54	15.00	No
		9	2452	14.46	15.00	No

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

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

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

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

Adjusted SAR = 0.870* (31.62mW/25.12mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.12 2.4G WIFI ANT10 State4

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	12.37	12.50	Yes
		6	2437	**12.42**	12.50	Yes
		11	2462	12.38	12.50	Yes
	802.11g	1	2412	13.35	13.50	No
		6	2437	13.45	13.50	No
		11	2462	13.39	13.50	No
	802.11n(HT20)	1	2412	13.44	13.50	No
		6	2437	13.25	13.50	No
		11	2462	13.29	13.50	No
	802.11n(HT40)	3	2422	13.36	13.50	No
		6	2437	13.34	13.50	No
		9	2452	13.34	13.50	No
	802.11ac(VHT20)	1	2412	13.31	13.50	No
		6	2437	13.35	13.50	No
		11	2462	13.31	13.50	No
	802.11ac(VHT40)	3	2422	13.45	13.50	No
		6	2437	13.23	13.50	No
		9	2452	13.48	13.50	No
	802.11ax(HE20) (SU)	1	2412	13.47	13.50	No
		6	2437	13.49	13.50	No
		11	2462	13.47	13.50	No
	802.11ax(HE40) (SU)	3	2422	13.43	13.50	No
		6	2437	13.33	13.50	No
		9	2452	13.48	13.50	No

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

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

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

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

Adjusted SAR = 0.870* (22.39mW/17.78mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.13 2.4G WIFI ANT6 State4

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	17.08	18.00	Yes
		6	2437	**17.16**	18.00	Yes
		11	2462	17.11	18.00	Yes
	802.11g	1	2412	18.73	19.00	No
		6	2437	18.69	19.00	No
		11	2462	18.91	19.00	No
	802.11n(HT20)	1	2412	18.84	19.00	No
		6	2437	18.88	19.00	No
		11	2462	18.86	19.00	No
	802.11n(HT40)	3	2422	18.77	19.00	No
		6	2437	18.94	19.00	No
		9	2452	18.78	19.00	No
	802.11ac(VHT20)	1	2412	18.14	19.00	No
		6	2437	18.03	19.00	No
		11	2462	18.06	19.00	No
	802.11ac(VHT40)	3	2422	18.08	19.00	No
		6	2437	18.09	19.00	No
		9	2452	18.04	19.00	No
	802.11ax(HE20) (SU)	1	2412	17.98	19.00	No
		6	2437	17.99	19.00	No
		11	2462	17.97	19.00	No
	802.11ax(HE40) (SU)	3	2422	17.23	19.00	No
		6	2437	17.17	19.00	No
		9	2452	17.11	19.00	No

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

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

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

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

Adjusted SAR = 0.870* (79.43mW/63.10mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.14 2.4G WIFI MIMO State4

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	15.36	15.50	Yes
		6	2437	**15.37**	15.50	Yes
		11	2462	15.21	15.50	Yes
	802.11g	1	2412	16.32	16.50	No
		6	2437	16.38	16.50	No
		11	2462	16.42	16.50	No
	802.11n(HT20)	1	2412	16.38	16.50	No
		6	2437	16.29	16.50	No
		11	2462	16.28	16.50	No
	802.11n(HT40)	3	2422	16.35	16.50	No
		6	2437	16.32	16.50	No
		9	2452	16.33	16.50	No
	802.11ac(VHT20)	1	2412	16.33	16.50	No
		6	2437	16.41	16.50	No
		11	2462	16.26	16.50	No
	802.11ac(VHT40)	3	2422	16.33	16.50	No
		6	2437	16.22	16.50	No
		9	2452	16.44	16.50	No
	802.11ax(HE20) (SU)	1	2412	16.44	16.50	No
		6	2437	16.46	16.50	No
		11	2462	16.48	16.50	No
	802.11ax(HE40) (SU)	3	2422	16.38	16.50	No
		6	2437	16.39	16.50	No
		9	2452	16.36	16.50	No

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

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

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

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

Adjusted SAR = 0.870* (44.67mW/35.48mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.15 2.4G WIFI ANT6 State5

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	**14.71**	15.00	Yes
		6	2437	14.60	15.00	Yes
		11	2462	14.52	15.00	Yes
	802.11g	1	2412	15.56	16.00	No
		6	2437	15.64	16.00	No
		11	2462	15.71	16.00	No
	802.11n(HT20)	1	2412	15.76	16.00	No
		6	2437	15.73	16.00	No
		11	2462	15.74	16.00	No
	802.11n(HT40)	3	2422	15.86	16.00	No
		6	2437	15.74	16.00	No
		9	2452	15.78	16.00	No
	802.11ac(VHT20)	1	2412	15.81	16.00	No
		6	2437	15.72	16.00	No
		11	2462	15.72	16.00	No
	802.11ac(VHT40)	3	2422	15.71	16.00	No
		6	2437	15.75	16.00	No
		9	2452	15.81	16.00	No
	802.11ax(HE20) (SU)	1	2412	15.80	16.00	No
		6	2437	15.60	16.00	No
		11	2462	15.73	16.00	No
	802.11ax(HE40) (SU)	3	2422	15.68	16.00	No
		6	2437	15.84	16.00	No
		9	2452	15.79	16.00	No

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

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

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

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

Adjusted SAR = 0.870* (39.81mW/31.62mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.16 2.4G WIFI MIMO State5

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	**17.65**	18.00	Yes
		6	2437	17.64	18.00	Yes
		11	2462	17.61	18.00	Yes
	802.11g	1	2412	18.50	19.00	No
		6	2437	18.58	19.00	No
		11	2462	18.62	19.00	No
	802.11n(HT20)	1	2412	18.66	19.00	No
		6	2437	18.62	19.00	No
		11	2462	18.63	19.00	No
	802.11n(HT40)	3	2422	18.74	19.00	No
		6	2437	18.70	19.00	No
		9	2452	18.71	19.00	No
	802.11ac(VHT20)	1	2412	18.57	19.00	No
		6	2437	18.64	19.00	No
		11	2462	18.52	19.00	No
	802.11ac(VHT40)	3	2422	18.54	19.00	No
		6	2437	18.78	19.00	No
		9	2452	18.50	19.00	No
	802.11ax(HE20) (SU)	1	2412	18.78	19.00	No
		6	2437	18.70	19.00	No
		11	2462	18.60	19.00	No
	802.11ax(HE40) (SU)	3	2422	18.68	19.00	No
		6	2437	18.65	19.00	No
		9	2452	18.74	19.00	No

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

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

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

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

Adjusted SAR = 0.870* (79.43mW/63.10mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.17 2.4G WIFI ANT10 State6

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	7.82	8.00	Yes
		6	2437	7.83	8.00	Yes
		11	2462	7.73	8.00	Yes
	802.11g	1	2412	8.80	9.00	No
		6	2437	8.69	9.00	No
		11	2462	8.93	9.00	No
	802.11n(HT20)	1	2412	8.85	9.00	No
		6	2437	8.88	9.00	No
		11	2462	8.98	9.00	No
	802.11n(HT40)	3	2422	8.73	9.00	No
		6	2437	8.94	9.00	No
		9	2452	8.94	9.00	No
	802.11ac(VHT20)	1	2412	8.93	9.00	No
		6	2437	8.74	9.00	No
		11	2462	8.87	9.00	No
	802.11ac(VHT40)	3	2422	8.69	9.00	No
		6	2437	8.71	9.00	No
		9	2452	8.83	9.00	No
	802.11ax(HE20) (SU)	1	2412	8.82	9.00	No
		6	2437	8.70	9.00	No
		11	2462	8.87	9.00	No
	802.11ax(HE40) (SU)	3	2422	8.81	9.00	No
		6	2437	8.71	9.00	No
		9	2452	8.82	9.00	No

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

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

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

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

Adjusted SAR = 0.870* (7.94mW/6.31mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.18 2.4G WIFI ANT6 State6

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	12.85	13.00	Yes
		6	2437	**12.86**	13.00	Yes
		11	2462	12.58	13.00	Yes
	802.11g	1	2412	13.86	14.00	No
		6	2437	13.72	14.00	No
		11	2462	13.87	14.00	No
	802.11n(HT20)	1	2412	13.87	14.00	No
		6	2437	13.84	14.00	No
		11	2462	13.70	14.00	No
	802.11n(HT40)	3	2422	14.00	14.00	No
		6	2437	13.95	14.00	No
		9	2452	13.74	14.00	No
	802.11ac(VHT20)	1	2412	13.90	14.00	No
		6	2437	13.84	14.00	No
		11	2462	13.87	14.00	No
	802.11ac(VHT40)	3	2422	13.99	14.00	No
		6	2437	13.89	14.00	No
		9	2452	13.82	14.00	No
	802.11ax(HE20) (SU)	1	2412	13.82	14.00	No
		6	2437	13.70	14.00	No
		11	2462	13.98	14.00	No
	802.11ax(HE40) (SU)	3	2422	13.85	14.00	No
		6	2437	13.82	14.00	No
		9	2452	13.96	14.00	No

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

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

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

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

Adjusted SAR = 0.870* (25.12mW/19.95mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.19 2.4G WIFI MIMO State6

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	10.85	11.00	Yes
		6	2437	**10.88**	11.00	Yes
		11	2462	10.69	11.00	Yes
	802.11g	1	2412	11.86	12.00	No
		6	2437	11.76	12.00	No
		11	2462	11.88	12.00	No
	802.11n(HT20)	1	2412	11.82	12.00	No
		6	2437	11.90	12.00	No
		11	2462	11.96	12.00	No
	802.11n(HT40)	3	2422	11.87	12.00	No
		6	2437	11.87	12.00	No
		9	2452	11.87	12.00	No
	802.11ac(VHT20)	1	2412	11.90	12.00	No
		6	2437	11.84	12.00	No
		11	2462	11.85	12.00	No
	802.11ac(VHT40)	3	2422	11.81	12.00	No
		6	2437	11.74	12.00	No
		9	2452	11.78	12.00	No
	802.11ax(HE20) (SU)	1	2412	11.77	12.00	No
		6	2437	11.74	12.00	No
		11	2462	11.80	12.00	No
	802.11ax(HE40) (SU)	3	2422	11.88	12.00	No
		6	2437	11.77	12.00	No
		9	2452	11.83	12.00	No

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

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

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

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

Adjusted SAR = 0.870* (15.85mW/12.59mW) = 1.10 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.20 2.4G WIFI ANT10 State7

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	17.76	18.00	Yes
		6	2437	**17.83**	18.00	Yes
		11	2462	17.72	18.00	Yes
	802.11g	1	2412	18.70	19.00	No
		6	2437	18.86	19.00	No
		11	2462	18.68	19.00	No
	802.11n(HT20)	1	2412	18.92	19.00	No
		6	2437	18.71	19.00	No
		11	2462	18.74	19.00	No
	802.11n(HT40)	3	2422	18.75	19.00	No
		6	2437	18.72	19.00	No
		9	2452	18.86	19.00	No
	802.11ac(VHT20)	1	2412	18.77	19.00	No
		6	2437	18.70	19.00	No
		11	2462	18.64	19.00	No
	802.11ac(VHT40)	3	2422	18.91	19.00	No
		6	2437	18.89	19.00	No
		9	2452	18.91	19.00	No
	802.11ax(HE20) (SU)	1	2412	18.68	19.00	No
		6	2437	18.86	19.00	No
		11	2462	18.68	19.00	No
	802.11ax(HE40) (SU)	3	2422	18.95	19.00	No
		6	2437	18.93	19.00	No
		9	2452	18.78	19.00	No

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

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

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

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

Adjusted SAR = 0.264* (79.43mW/63.10mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.21 2.4G WIFI ANT6 State7

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	17.08	18.00	Yes
		6	2437	**17.16**	18.00	Yes
		11	2462	17.11	18.00	Yes
	802.11g	1	2412	18.73	19.00	No
		6	2437	18.69	19.00	No
		11	2462	18.91	19.00	No
	802.11n(HT20)	1	2412	18.84	19.00	No
		6	2437	18.88	19.00	No
		11	2462	18.86	19.00	No
	802.11n(HT40)	3	2422	18.77	19.00	No
		6	2437	18.94	19.00	No
		9	2452	18.78	19.00	No
	802.11ac(VHT20)	1	2412	17.95	19.00	No
		6	2437	18.22	19.00	No
		11	2462	18.02	19.00	No
	802.11ac(VHT40)	3	2422	18.06	19.00	No
		6	2437	18.00	19.00	No
		9	2452	17.97	19.00	No
	802.11ax(HE20) (SU)	1	2412	18.18	19.00	No
		6	2437	18.19	19.00	No
		11	2462	18.18	19.00	No
	802.11ax(HE40) (SU)	3	2422	17.01	19.00	No
		6	2437	17.16	19.00	No
		9	2452	17.18	19.00	No

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

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

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

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

Adjusted SAR = 0.264* (79.43mW/63.10mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.22 2.4G WIFI MIMO State7

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	20.44	21.00	Yes
		6	2437	**20.52**	21.00	Yes
		11	2462	20.44	21.00	Yes
	802.11g	1	2412	21.73	22.00	No
		6	2437	21.79	22.00	No
		11	2462	21.81	22.00	No
	802.11n(HT20)	1	2412	21.89	22.00	No
		6	2437	21.81	22.00	No
		11	2462	21.81	22.00	No
	802.11n(HT40)	3	2422	21.72	22.00	No
		6	2437	21.81	22.00	No
		9	2452	21.83	22.00	No
	802.11ac(VHT20)	1	2412	21.83	22.00	No
		6	2437	21.83	22.00	No
		11	2462	21.83	22.00	No
	802.11ac(VHT40)	3	2422	21.83	22.00	No
		6	2437	21.83	22.00	No
		9	2452	21.83	22.00	No
	802.11ax(HE20) (SU)	1	2412	21.83	22.00	No
		6	2437	21.83	22.00	No
		11	2462	21.83	22.00	No
	802.11ax(HE40) (SU)	3	2422	21.10	22.00	No
		6	2437	21.14	22.00	No
		9	2452	21.06	22.00	No

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

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

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

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

Adjusted SAR = 0.264* (158.49mW/125.89mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.23 2.4G WIFI ANT6 State8

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	**16.82**	17.00	Yes
		6	2437	16.78	17.00	Yes
		11	2462	16.60	17.00	Yes
	802.11g	1	2412	17.93	18.00	No
		6	2437	17.82	18.00	No
		11	2462	17.89	18.00	No
	802.11n(HT20)	1	2412	17.67	18.00	No
		6	2437	17.82	18.00	No
		11	2462	17.78	18.00	No
	802.11n(HT40)	3	2422	17.89	18.00	No
		6	2437	17.76	18.00	No
		9	2452	17.86	18.00	No
	802.11ac(VHT20)	1	2412	17.82	18.00	No
		6	2437	17.82	18.00	No
		11	2462	17.80	18.00	No
	802.11ac(VHT40)	3	2422	17.94	18.00	No
		6	2437	17.91	18.00	No
		9	2452	17.77	18.00	No
	802.11ax(HE20) (SU)	1	2412	17.69	18.00	No
		6	2437	17.85	18.00	No
		11	2462	17.89	18.00	No
	802.11ax(HE40) (SU)	3	2422	17.81	18.00	No
		6	2437	17.67	18.00	No
		9	2452	17.76	18.00	No

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

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

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

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

Adjusted SAR = 0.264* (63.10mW/50.12mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.24 2.4G WIFI MIMO State8

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	**19.80**	20.00	Yes
		6	2437	19.78	20.00	Yes
		11	2462	19.58	20.00	Yes
	802.11g	1	2412	20.80	21.00	No
		6	2437	20.84	21.00	No
		11	2462	20.80	21.00	No
	802.11n(HT20)	1	2412	20.72	21.00	No
		6	2437	20.77	21.00	No
		11	2462	20.78	21.00	No
	802.11n(HT40)	3	2422	20.88	21.00	No
		6	2437	20.76	21.00	No
		9	2452	20.86	21.00	No
	802.11ac(VHT20)	1	2412	20.78	21.00	No
		6	2437	20.75	21.00	No
		11	2462	20.87	21.00	No
	802.11ac(VHT40)	3	2422	20.83	21.00	No
		6	2437	20.90	21.00	No
		9	2452	20.77	21.00	No
	802.11ax(HE20) (SU)	1	2412	20.70	21.00	No
		6	2437	20.86	21.00	No
		11	2462	20.91	21.00	No
	802.11ax(HE40) (SU)	3	2422	20.73	21.00	No
		6	2437	20.77	21.00	No
		9	2452	20.77	21.00	No

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

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

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

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

Adjusted SAR = 0.264* (125.89mW/100.00mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.25 2.4G WIFI ANT10 State9

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	**16.76**	17.00	Yes
		6	2437	**16.76**	17.00	Yes
		11	2462	16.53	17.00	Yes
	802.11g	1	2412	17.64	18.00	No
		6	2437	17.84	18.00	No
		11	2462	17.69	18.00	No
	802.11n(HT20)	1	2412	17.74	18.00	No
		6	2437	17.70	18.00	No
		11	2462	17.75	18.00	No
	802.11n(HT40)	3	2422	17.85	18.00	No
		6	2437	17.73	18.00	No
		9	2452	17.84	18.00	No
	802.11ac(VHT20)	1	2412	17.82	18.00	No
		6	2437	17.62	18.00	No
		11	2462	17.63	18.00	No
	802.11ac(VHT40)	3	2422	17.73	18.00	No
		6	2437	17.91	18.00	No
		9	2452	17.89	18.00	No
	802.11ax(HE20) (SU)	1	2412	17.87	18.00	No
		6	2437	17.88	18.00	No
		11	2462	17.87	18.00	No
	802.11ax(HE40) (SU)	3	2422	17.63	18.00	No
		6	2437	17.85	18.00	No
		9	2452	17.76	18.00	No

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

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

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

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

Adjusted SAR = 0.264* (63.10mW/50.12mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.26 2.4G WIFI ANT6 State9

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	**16.82**	17.00	Yes
		6	2437	16.78	17.00	Yes
		11	2462	16.60	17.00	Yes
	802.11g	1	2412	17.93	18.00	No
		6	2437	17.82	18.00	No
		11	2462	17.89	18.00	No
	802.11n(HT20)	1	2412	17.67	18.00	No
		6	2437	17.82	18.00	No
		11	2462	17.78	18.00	No
	802.11n(HT40)	3	2422	17.89	18.00	No
		6	2437	17.76	18.00	No
		9	2452	17.86	18.00	No
	802.11ac(VHT20)	1	2412	17.82	18.00	No
		6	2437	17.82	18.00	No
		11	2462	17.80	18.00	No
	802.11ac(VHT40)	3	2422	17.94	18.00	No
		6	2437	17.91	18.00	No
		9	2452	17.77	18.00	No
	802.11ax(HE20) (SU)	1	2412	17.69	18.00	No
		6	2437	17.85	18.00	No
		11	2462	17.89	18.00	No
	802.11ax(HE40) (SU)	3	2422	17.81	18.00	No
		6	2437	17.67	18.00	No
		9	2452	17.76	18.00	No

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

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

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

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

Adjusted SAR = 0.264* (63.10mW/50.12mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.27 2.4G WIFI MIMO State9

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	**19.80**	20.00	Yes
		6	2437	19.78	20.00	Yes
		11	2462	19.58	20.00	Yes
	802.11g	1	2412	20.80	21.00	No
		6	2437	20.84	21.00	No
		11	2462	20.80	21.00	No
	802.11n(HT20)	1	2412	20.72	21.00	No
		6	2437	20.77	21.00	No
		11	2462	20.78	21.00	No
	802.11n(HT40)	3	2422	20.88	21.00	No
		6	2437	20.76	21.00	No
		9	2452	20.86	21.00	No
	802.11ac(VHT20)	1	2412	20.83	21.00	No
		6	2437	20.73	21.00	No
		11	2462	20.73	21.00	No
	802.11ac(VHT40)	3	2422	20.85	21.00	No
		6	2437	20.92	21.00	No
		9	2452	20.84	21.00	No
	802.11ax(HE20) (SU)	1	2412	20.79	21.00	No
		6	2437	20.88	21.00	No
		11	2462	20.89	21.00	No
	802.11ax(HE40) (SU)	3	2422	20.73	21.00	No
		6	2437	20.77	21.00	No
		9	2452	20.77	21.00	No

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

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

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

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

Adjusted SAR = 0.264* (125.89mW/100.00mW) = 0.629 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.28 2.4G WIFI ANT10 State10

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	15.63	16.00	Yes
		6	2437	**15.72**	16.00	Yes
		11	2462	15.52	16.00	Yes
	802.11g	1	2412	16.65	17.00	No
		6	2437	16.76	17.00	No
		11	2462	16.70	17.00	No
	802.11n(HT20)	1	2412	16.53	17.00	No
		6	2437	16.77	17.00	No
		11	2462	16.52	17.00	No
	802.11n(HT40)	3	2422	16.77	17.00	No
		6	2437	16.51	17.00	No
		9	2452	16.54	17.00	No
	802.11ac(VHT20)	1	2412	16.63	17.00	No
		6	2437	16.48	17.00	No
		11	2462	16.68	17.00	No
	802.11ac(VHT40)	3	2422	16.67	17.00	No
		6	2437	16.70	17.00	No
		9	2452	16.62	17.00	No
	802.11ax(HE20) (SU)	1	2412	16.69	17.00	No
		6	2437	16.72	17.00	No
		11	2462	16.58	17.00	No
	802.11ax(HE40) (SU)	3	2422	16.71	17.00	No
		6	2437	16.72	17.00	No
		9	2452	16.75	17.00	No

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

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

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

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

Adjusted SAR = 0.264* (50.12mW/39.81mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.29 2.4G WIFI ANT6 State10

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	**14.72**	15.00	Yes
		6	2437	14.62	15.00	Yes
		11	2462	14.58	15.00	Yes
	802.11g	1	2412	15.80	16.00	No
		6	2437	15.62	16.00	No
		11	2462	15.60	16.00	No
	802.11n(HT20)	1	2412	15.58	16.00	No
		6	2437	15.72	16.00	No
		11	2462	15.86	16.00	No
	802.11n(HT40)	3	2422	15.66	16.00	No
		6	2437	15.59	16.00	No
		9	2452	15.66	16.00	No
	802.11ac(VHT20)	1	2412	15.78	16.00	No
		6	2437	15.79	16.00	No
		11	2462	15.87	16.00	No
	802.11ac(VHT40)	3	2422	15.59	16.00	No
		6	2437	15.57	16.00	No
		9	2452	15.63	16.00	No
	802.11ax(HE20) (SU)	1	2412	15.59	16.00	No
		6	2437	15.64	16.00	No
		11	2462	15.57	16.00	No
	802.11ax(HE40) (SU)	3	2422	15.77	16.00	No
		6	2437	15.87	16.00	No
		9	2452	15.81	16.00	No

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

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

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

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

Adjusted SAR = 0.264* (39.81mW/31.62mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.30 2.4G WIFI MIMO State10

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	**17.69**	18.00	Yes
		6	2437	17.65	18.00	Yes
		11	2462	17.62	18.00	Yes
	802.11g	1	2412	18.69	19.00	No
		6	2437	18.69	19.00	No
		11	2462	18.68	19.00	No
	802.11n(HT20)	1	2412	18.63	19.00	No
		6	2437	18.70	19.00	No
		11	2462	18.73	19.00	No
	802.11n(HT40)	3	2422	18.67	19.00	No
		6	2437	18.61	19.00	No
		9	2452	18.70	19.00	No
	802.11ac(VHT20)	1	2412	18.74	19.00	No
		6	2437	18.79	19.00	No
		11	2462	18.81	19.00	No
	802.11ac(VHT40)	3	2422	18.68	19.00	No
		6	2437	18.61	19.00	No
		9	2452	18.63	19.00	No
	802.11ax(HE20) (SU)	1	2412	18.68	19.00	No
		6	2437	18.63	19.00	No
		11	2462	18.68	19.00	No
	802.11ax(HE40) (SU)	3	2422	18.65	19.00	No
		6	2437	18.79	19.00	No
		9	2452	18.70	19.00	No

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

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

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

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

Adjusted SAR = 0.264* (79.43mW/63.10mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.31 2.4G WIFI ANT6 State11

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	**13.83**	14.00	Yes
		6	2437	13.73	14.00	Yes
		11	2462	13.53	14.00	Yes
	802.11g	1	2412	14.75	15.00	No
		6	2437	14.85	15.00	No
		11	2462	14.79	15.00	No
	802.11n(HT20)	1	2412	14.81	15.00	No
		6	2437	14.77	15.00	No
		11	2462	14.88	15.00	No
	802.11n(HT40)	3	2422	14.76	15.00	No
		6	2437	14.75	15.00	No
		9	2452	14.93	15.00	No
	802.11ac(VHT20)	1	2412	14.77	15.00	No
		6	2437	14.83	15.00	No
		11	2462	14.69	15.00	No
	802.11ac(VHT40)	3	2422	14.73	15.00	No
		6	2437	14.79	15.00	No
		9	2452	14.91	15.00	No
	802.11ax(HE20) (SU)	1	2412	14.93	15.00	No
		6	2437	14.87	15.00	No
		11	2462	14.87	15.00	No
	802.11ax(HE40) (SU)	3	2422	14.72	15.00	No
		6	2437	14.71	15.00	No
		9	2452	14.75	15.00	No

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

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

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

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

Adjusted SAR = 0.264* (31.62mW/25.12mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.32 2.4G WIFI MIMO State11

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	**16.83**	17.00	Yes
		6	2437	16.74	17.00	Yes
		11	2462	16.62	17.00	Yes
	802.11g	1	2412	17.86	18.00	No
		6	2437	17.84	18.00	No
		11	2462	17.86	18.00	No
	802.11n(HT20)	1	2412	17.89	18.00	No
		6	2437	17.76	18.00	No
		11	2462	17.90	18.00	No
	802.11n(HT40)	3	2422	17.72	18.00	No
		6	2437	17.85	18.00	No
		9	2452	17.84	18.00	No
	802.11ac(VHT20)	1	2412	17.73	18.00	No
		6	2437	17.85	18.00	No
		11	2462	17.96	18.00	No
	802.11ac(VHT40)	3	2422	17.86	18.00	No
		6	2437	17.73	18.00	No
		9	2452	17.92	18.00	No
	802.11ax(HE20) (SU)	1	2412	17.80	18.00	No
		6	2437	17.91	18.00	No
		11	2462	17.75	18.00	No
	802.11ax(HE40) (SU)	3	2422	17.79	18.00	No
		6	2437	17.79	18.00	No
		9	2452	17.78	18.00	No

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

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

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

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

Adjusted SAR = 0.264* (63.10mW/50.12mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.33 2.4G WIFI ANT10 State12

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	**13.81**	14.00	Yes
		6	2437	13.73	14.00	Yes
		11	2462	13.68	14.00	Yes
	802.11g	1	2412	14.94	15.00	No
		6	2437	14.80	15.00	No
		11	2462	14.91	15.00	No
	802.11n(HT20)	1	2412	14.94	15.00	No
		6	2437	14.73	15.00	No
		11	2462	14.90	15.00	No
	802.11n(HT40)	3	2422	14.66	15.00	No
		6	2437	14.93	15.00	No
		9	2452	14.72	15.00	No
	802.11ac(VHT20)	1	2412	14.87	15.00	No
		6	2437	14.82	15.00	No
		11	2462	14.67	15.00	No
	802.11ac(VHT40)	3	2422	14.81	15.00	No
		6	2437	14.72	15.00	No
		9	2452	14.73	15.00	No
	802.11ax(HE20) (SU)	1	2412	14.79	15.00	No
		6	2437	14.75	15.00	No
		11	2462	14.88	15.00	No
	802.11ax(HE40) (SU)	3	2422	14.84	15.00	No
		6	2437	14.84	15.00	No
		9	2452	14.78	15.00	No

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

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

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

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

Adjusted SAR = 0.264* (31.62mW/25.12mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.34 2.4G WIFI ANT6 State12

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	**13.83**	14.00	Yes
		6	2437	13.73	14.00	Yes
		11	2462	13.53	14.00	Yes
	802.11g	1	2412	14.75	15.00	No
		6	2437	14.85	15.00	No
		11	2462	14.79	15.00	No
	802.11n(HT20)	1	2412	14.81	15.00	No
		6	2437	14.77	15.00	No
		11	2462	14.88	15.00	No
	802.11n(HT40)	3	2422	14.76	15.00	No
		6	2437	14.75	15.00	No
		9	2452	14.93	15.00	No
	802.11ac(VHT20)	1	2412	14.73	15.00	No
		6	2437	14.92	15.00	No
		11	2462	14.88	15.00	No
	802.11ac(VHT40)	3	2422	14.75	15.00	No
		6	2437	14.82	15.00	No
		9	2452	14.88	15.00	No
	802.11ax(HE20) (SU)	1	2412	14.89	15.00	No
		6	2437	14.81	15.00	No
		11	2462	14.85	15.00	No
	802.11ax(HE40) (SU)	3	2422	14.72	15.00	No
		6	2437	14.71	15.00	No
		9	2452	14.75	15.00	No

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

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

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

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

Adjusted SAR = 0.264* (31.62mW/25.12mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.35 2.4G WIFI MIMO State12

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	**16.83**	17.00	Yes
		6	2437	16.74	17.00	Yes
		11	2462	16.62	17.00	Yes
	802.11g	1	2412	17.86	18.00	No
		6	2437	17.84	18.00	No
		11	2462	17.86	18.00	No
	802.11n(HT20)	1	2412	17.89	18.00	No
		6	2437	17.76	18.00	No
		11	2462	17.90	18.00	No
	802.11n(HT40)	3	2422	17.72	18.00	No
		6	2437	17.85	18.00	No
		9	2452	17.84	18.00	No
	802.11ac(VHT20)	1	2412	14.73	18.00	No
		6	2437	14.92	18.00	No
		11	2462	14.88	18.00	No
	802.11ac(VHT40)	3	2422	14.75	18.00	No
		6	2437	14.82	18.00	No
		9	2452	14.88	18.00	No
	802.11ax(HE20) (SU)	1	2412	14.89	18.00	No
		6	2437	14.81	18.00	No
		11	2462	14.85	18.00	No
	802.11ax(HE40) (SU)	3	2422	17.79	18.00	No
		6	2437	17.79	18.00	No
		9	2452	17.78	18.00	No

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

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

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

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

Adjusted SAR = 0.264* (63.10mW/50.12mW) = 0.33 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.36 5G WIFI Full Power ANT7

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	17.55	18.00	No
		44	5220	17.70	18.00	No
		48	5240	17.64	18.00	No
	802.11n(HT20)	36	5180	17.59	18.00	No
		44	5220	17.72	18.00	No
		48	5240	17.68	18.00	No
	802.11n(HT40)	38	5190	17.69	18.00	No
		46	5230	17.58	18.00	No
	802.11ac(VHT20)	36	5180	17.46	18.00	No
		44	5220	17.54	18.00	No
		48	5240	17.60	18.00	No
	802.11ac(VHT40)	38	5190	17.71	18.00	No
		46	5230	17.60	18.00	No
	802.11ac(VHT80)	42	5210	**17.58**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.38	18.00	No
	802.11ax(HE20)	36	5180	17.53	18.00	No
		44	5220	17.55	18.00	No
		48	5240	17.40	18.00	No
	802.11ax(HE40)	38	5190	17.48	18.00	No
		46	5230	17.54	18.00	No
	802.11ax(HE80)	42	5210	17.52	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.55	18.00	No
		44	5220	17.39	18.00	No
		48	5240	17.32	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.45	18.00	No
		46	5230	17.53	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.54	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.54	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.47	18.00	Yes
		60	5300	17.47	18.00	Yes
		64	5320	17.53	18.00	Yes
	802.11n(HT20)	52	5260	17.44	18.00	No
		60	5300	17.37	18.00	No
		64	5320	17.56	18.00	No
	802.11n(HT40)	54	5270	17.43	18.00	No
		62	5310	17.33	18.00	No
	802.11ac(VHT20)	52	5260	17.51	18.00	No

		60	5300	17.53	18.00	No
		64	5320	17.58	18.00	No
	802.11ac(VHT40)	54	5270	17.48	18.00	No
		62	5310	17.53	18.00	No
	802.11ac(VHT80)	58	5290	**17.84**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.53	18.00	No
	802.11ax(HE20)	52	5260	17.33	18.00	No
		60	5300	17.31	18.00	No
		64	5320	17.43	18.00	No
	802.11ax(HE40)	54	5270	17.36	18.00	No
		62	5310	17.43	18.00	No
	802.11ax(HE80)	58	5290	17.36	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.57	18.00	No
		60	5300	17.59	18.00	No
		64	5320	17.30	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.29	18.00	No
		62	5310	17.57	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.39	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.32	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.48	18.00	Yes
		116	5580	17.45	18.00	Yes
		140	5700	17.47	18.00	Yes
	802.11n(HT20)	100	5500	17.39	18.00	No
		116	5580	17.33	18.00	No
		140	5700	17.42	18.00	No
	802.11n(HT40)	102	5510	17.33	18.00	No
		118	5590	17.41	18.00	No
		134	5670	17.32	18.00	No
	802.11ac(VHT20)	100	5500	17.37	18.00	No
		116	5580	17.51	18.00	No
		140	5700	17.29	18.00	No
	802.11ac(VHT40)	102	5510	17.55	18.00	No
		118	5590	17.56	18.00	No
		134	5670	17.34	18.00	No
	802.11ac(VHT80)	106	5530	**17.42**	18.00	Yes
		122	5690	17.32	18.00	Yes
	802.11ac(VHT160)	50	5550	17.95	18.00	No
	802.11ax(HE20)	100	5500	17.52	18.00	No
		116	5580	17.59	18.00	No
		140	5700	17.59	18.00	No

	802.11ax(HE40)	102	5510	17.55	18.00	No
		110	5550	17.49	18.00	No
		134	5670	17.44	18.00	No
	802.11ax(HE80)	106	5530	17.34	18.00	No
		122	5610	17.30	18.00	No
		138	5690	17.51	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.39	18.00	No
		116	5580	17.55	18.00	No
		140	5700	17.31	18.00	No
	802.11ax(HE40) (RU26)	102	5510	17.44	18.00	No
		110	5550	17.34	18.00	No
		134	5670	17.56	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.50	18.00	No
		122	5610	17.51	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.34	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.36	18.00	No
		157	5785	17.37	18.00	No
		165	5825	17.54	18.00	No
	802.11n(HT20)	149	5745	17.47	18.00	No
		157	5785	17.41	18.00	No
		165	5825	17.46	18.00	No
	802.11n(HT40)	151	5755	17.34	18.00	No
		159	5795	17.44	18.00	No
	802.11ac(VHT20)	149	5745	17.49	18.00	No
		157	5785	17.35	18.00	No
		165	5825	17.40	18.00	No
	802.11ac(VHT40)	151	5755	17.36	18.00	No
		159	5795	17.59	18.00	No
	802.11ac(VHT80)	155	5775	**17.82**	18.00	Yes
	802.11ax(HE20)	149	5745	17.50	18.00	No
		157	5785	17.46	18.00	No
		165	5825	17.56	18.00	No
	802.11ax(HE40)	151	5755	17.44	18.00	No
		159	5795	17.30	18.00	No
	802.11ax(HE80)	155	5775	17.59	18.00	No
	802.11ax(HE20) (RU26)	149	5745	17.30	18.00	No
		157	5785	17.58	18.00	No
		165	5825	17.47	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.42	18.00	No
		159	5795	17.36	18.00	No
	802.11ax(HE80)	155	5775	17.41	18.00	No

	(RU26)					
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.37 5G WIFI Full Power ANT9

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	17.69	18.00	No
		44	5220	17.90	18.00	No
		48	5240	17.69	18.00	No
	802.11n(HT20)	36	5180	17.65	18.00	No
		44	5220	17.82	18.00	No
		48	5240	17.70	18.00	No
	802.11n(HT40)	38	5190	17.74	18.00	No
		46	5230	17.82	18.00	No
	802.11ac(VHT20)	36	5180	17.90	18.00	No
		44	5220	17.74	18.00	No
		48	5240	17.77	18.00	No
	802.11ac(VHT40)	38	5190	17.71	18.00	No
		46	5230	17.64	18.00	No
	802.11ac(VHT80)	42	5210	**17.79**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.93	18.00	No
	802.11ax(HE20)	36	5180	17.65	18.00	No
		44	5220	17.91	18.00	No
		48	5240	17.70	18.00	No
	802.11ax(HE40)	38	5190	17.79	18.00	No
		46	5230	17.84	18.00	No
	802.11ax(HE80)	42	5210	17.76	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.69	18.00	No
		44	5220	17.85	18.00	No
		48	5240	17.64	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.67	18.00	No
		46	5230	17.86	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.72	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.89	18.00	Yes
		60	5300	17.65	18.00	Yes
		64	5320	17.67	18.00	Yes
	802.11n(HT20)	52	5260	17.64	18.00	No

		60	5300	17.87	18.00	No
		64	5320	17.77	18.00	No
	802.11n(HT40)	54	5270	17.71	18.00	No
		62	5310	17.91	18.00	No
	802.11ac(VHT20)	52	5260	17.93	18.00	No
		60	5300	17.69	18.00	No
		64	5320	17.90	18.00	No
	802.11ac(VHT40)	54	5270	17.71	18.00	No
		62	5310	17.87	18.00	No
	802.11ac(VHT80)	58	5290	**17.72**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.73	18.00	No
	802.11ax(HE20)	52	5260	17.65	18.00	No
		60	5300	17.67	18.00	No
		64	5320	17.68	18.00	No
	802.11ax(HE40)	54	5270	17.75	18.00	No
		62	5310	17.83	18.00	No
	802.11ax(HE80)	58	5290	17.70	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.72	18.00	No
		60	5300	17.93	18.00	No
		64	5320	17.79	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.77	18.00	No
		62	5310	17.68	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.83	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.82	18.00	Yes
		116	5580	17.82	18.00	Yes
		140	5700	17.87	18.00	Yes
	802.11n(HT20)	100	5500	17.87	18.00	No
		116	5580	17.87	18.00	No
		140	5700	17.90	18.00	No
	802.11n(HT40)	102	5510	17.87	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.85	18.00	No
	802.11ac(VHT20)	100	5500	17.89	18.00	No
		116	5580	17.88	18.00	No
		140	5700	17.72	18.00	No
	802.11ac(VHT40)	102	5510	17.89	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.67	18.00	No
	802.11ac(VHT80)	106	5530	**17.83**	18.00	Yes

		122	5690	17.75	18.00	Yes
	802.11ac(VHT160)	50	5550	17.54	18.00	No
	802.11ax(HE20)	100	5500	17.78	18.00	No
		116	5580	17.72	18.00	No
		140	5700	17.79	18.00	No
	802.11ax(HE40)	102	5510	17.68	18.00	No
		110	5550	17.76	18.00	No
		134	5670	17.93	18.00	No
	802.11ax(HE80)	106	5530	17.86	18.00	No
		122	5610	17.86	18.00	No
		138	5690	17.81	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.64	18.00	No
		116	5580	17.77	18.00	No
		140	5700	17.90	18.00	No
	802.11ax(HE40) (RU26)	102	5510	17.93	18.00	No
		110	5550	17.85	18.00	No
		134	5670	17.88	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.75	18.00	No
		122	5610	17.75	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.65	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.78	18.00	No
		157	5785	17.88	18.00	No
		165	5825	17.83	18.00	No
	802.11n(HT20)	149	5745	17.83	18.00	No
		157	5785	17.70	18.00	No
		165	5825	17.75	18.00	No
	802.11n(HT40)	151	5755	17.67	18.00	No
		159	5795	17.72	18.00	No
	802.11ac(VHT20)	149	5745	17.93	18.00	No
		157	5785	17.82	18.00	No
		165	5825	17.82	18.00	No
	802.11ac(VHT40)	151	5755	17.71	18.00	No
		159	5795	17.77	18.00	No
	802.11ac(VHT80)	155	5775	**17.65**	18.00	Yes
	802.11ax(HE20)	149	5745	17.92	18.00	No
		157	5785	17.65	18.00	No
		165	5825	17.79	18.00	No
	802.11ax(HE40)	151	5755	17.91	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80)	155	5775	17.64	18.00	No
	802.11ax(HE20)	149	5745	17.66	18.00	No

	(RU26)	157	5785	17.72	18.00	No
		165	5825	17.66	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.68	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80) (RU26)	155	5775	17.76	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.38 5G WIFI Full Power MIMO

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	20.63	21.00	No
		44	5220	20.81	21.00	No
		48	5240	20.68	21.00	No
	802.11n(HT20)	36	5180	20.63	21.00	No
		44	5220	20.78	21.00	No
		48	5240	20.70	21.00	No
	802.11n(HT40)	38	5190	20.73	21.00	No
		46	5230	20.71	21.00	No
	802.11ac(VHT20)	36	5180	20.70	21.00	No
		44	5220	20.65	21.00	No
		48	5240	20.70	21.00	No
	802.11ac(VHT40)	38	5190	20.72	21.00	No
		46	5230	20.63	21.00	No
	802.11ac(VHT80)	42	5210	**20.70**	22.00	Yes
	802.11ac(VHT160)	50	5550	20.67	21.00	No
	802.11ax(HE20)	36	5180	20.60	21.00	No
		44	5220	20.74	21.00	No
		48	5240	20.56	21.00	No
	802.11ax(HE40)	38	5190	20.65	21.00	No
		46	5230	20.70	21.00	No
	802.11ax(HE80)	42	5210	20.65	21.00	No
	802.11ax(HE20) (RU26)	36	5180	20.63	21.00	No
		44	5220	20.64	21.00	No
		48	5240	20.49	21.00	No
	802.11ax(HE40) (RU26)	38	5190	20.57	21.00	No
		46	5230	20.71	21.00	No
	802.11ax(HE80) (RU26)	42	5210	20.62	21.00	No
	802.11ax(HE160)	50	5550	20.64	21.00	No

	(RU26)					
5.3 (5.25~5.35)	802.11a	52	5260	20.70	21.00	Yes
		60	5300	20.57	21.00	Yes
		64	5320	20.61	21.00	Yes
	802.11n(HT20)	52	5260	20.55	21.00	No
		60	5300	20.64	21.00	No
		64	5320	20.68	21.00	No
	802.11n(HT40)	54	5270	20.58	21.00	No
		62	5310	20.64	21.00	No
	802.11ac(VHT20)	52	5260	20.74	21.00	No
		60	5300	20.62	21.00	No
		64	5320	20.75	21.00	No
	802.11ac(VHT40)	54	5270	20.61	21.00	No
		62	5310	20.71	21.00	No
	802.11ac(VHT80)	58	5290	**20.79**	21.00	Yes
	802.11ac(VHT160)	50	5550	20.64	21.00	No
	802.11ax(HE20)	52	5260	20.50	21.00	No
		60	5300	20.50	21.00	No
		64	5320	20.57	21.00	No
	802.11ax(HE40)	54	5270	20.57	21.00	No
		62	5310	20.64	21.00	No
	802.11ax(HE80)	58	5290	20.54	21.00	No
	802.11ax(HE20) (RU26)	52	5260	20.66	21.00	No
		60	5300	20.77	21.00	No
		64	5320	20.56	21.00	No
	802.11ax(HE40) (RU26)	54	5270	20.55	21.00	No
		62	5310	20.64	21.00	No
	802.11ax(HE80) (RU26)	58	5290	20.54	21.00	No
	802.11ax(HE160) (RU26)	50	5550	20.59	21.00	No
5.6 (5.47~5.725)	802.11a	100	5500	20.66	21.00	Yes
		116	5580	20.65	21.00	Yes
		140	5700	20.68	21.00	Yes
	802.11n(HT20)	100	5500	20.65	21.00	No
		116	5580	20.62	21.00	No
		140	5700	20.68	21.00	No
	802.11n(HT40)	102	5510	20.62	21.00	No
		118	5590	20.55	21.00	No
		134	5670	20.60	21.00	No
	802.11ac(VHT20)	100	5500	20.65	21.00	No
		116	5580	20.71	21.00	No

		140	5700	20.52	21.00	No
	802.11ac(VHT40)	102	5510	20.73	21.00	No
		118	5590	20.63	21.00	No
		134	5670	20.52	21.00	No
	802.11ac(VHT80)	106	5530	20.64	21.00	Yes
		122	5690	**20.55**	21.00	Yes
	802.11ac(VHT160)	50	5550	20.76	21.00	No
	802.11ax(HE20)	100	5500	20.66	21.00	No
		116	5580	20.67	21.00	No
		140	5700	20.70	21.00	No
	802.11ax(HE40)	102	5510	20.63	21.00	No
		110	5550	20.64	21.00	No
		134	5670	20.70	21.00	No
	802.11ax(HE80)	106	5530	20.62	21.00	No
		122	5610	20.60	21.00	No
		138	5690	20.67	21.00	No
	802.11ax(HE20) (RU26)	100	5500	20.53	21.00	No
		116	5580	20.67	21.00	No
		140	5700	20.63	21.00	No
	802.11ax(HE40) (RU26)	102	5510	20.70	14.00	No
		110	5550	20.61	14.00	No
		134	5670	20.73	14.00	No
	802.11ax(HE80) (RU26)	106	5530	20.64	14.00	No
		122	5610	20.64	14.00	No
	802.11ax(HE160) (RU26)	50	5550	20.51	14.00	No
5.8 (5.725~5.850)	802.11a	149	5745	20.59	14.00	No
		157	5785	20.64	14.00	No
		165	5825	20.70	14.00	No
	802.11n(HT20)	149	5745	20.66	14.00	No
		157	5785	20.57	14.00	No
		165	5825	20.62	14.00	No
	802.11n(HT40)	151	5755	20.52	14.00	No
		159	5795	20.59	16.00	No
	802.11ac(VHT20)	149	5745	20.73	14.00	No
		157	5785	20.60	14.00	No
		165	5825	20.63	14.00	No
	802.11ac(VHT40)	151	5755	20.55	14.00	No
		159	5795	20.69	14.00	No
	802.11ac(VHT80)	155	5775	**20.75**	14.00	Yes
	802.11ax(HE20)	149	5745	20.73	14.00	No
		157	5785	20.57	14.00	No

		165	5825	20.69	14.00	No
	802.11ax(HE40)	151	5755	20.69	14.00	No
		159	5795	20.60	14.00	No
	802.11ax(HE80)	155	5775	20.63	14.00	No
	802.11ax(HE20) (RU26)	149	5745	20.49	14.00	No
		157	5785	20.66	14.00	No
		165	5825	20.58	14.00	No
	802.11ax(HE40) (RU26)	151	5755	20.56	14.00	No
		159	5795	20.63	14.00	No
	802.11ax(HE80) (RU26)	155	5775	20.60	14.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.39 5G WIFI ANT7 State1

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	11.51	12.00	No
		44	5220	11.47	12.00	No
		48	5240	11.51	12.00	No
	802.11n(HT20)	36	5180	11.52	12.00	No
		44	5220	11.40	12.00	No
		48	5240	11.34	12.00	No
	802.11n(HT40)	38	5190	11.32	12.00	No
		46	5230	11.44	12.00	No
	802.11ac(VHT20)	36	5180	11.38	12.00	No
		44	5220	11.33	12.00	No
		48	5240	11.43	12.00	No
	802.11ac(VHT40)	38	5190	11.33	12.00	No
		46	5230	11.35	12.00	No
	802.11ac(VHT80)	42	5210	**11.40**	12.00	Yes
	802.11ac(VHT160)	50	5550	11.26	12.00	No
	802.11ax(HE20)	36	5180	11.52	12.00	No
		44	5220	11.55	12.00	No
		48	5240	11.30	12.00	No
	802.11ax(HE40)	38	5190	11.51	12.00	No
		46	5230	11.26	12.00	No
	802.11ax(HE80)	42	5210	11.42	12.00	No
	802.11ax(HE20) (RU26)	36	5180	11.35	12.00	No
		44	5220	11.27	12.00	No

		48	5240	11.32	12.00	No
	802.11ax(HE40) (RU26)	38	5190	11.52	12.00	No
		46	5230	11.32	12.00	No
	802.11ax(HE80) (RU26)	42	5210	11.28	12.00	No
	802.11ax(HE160) (RU26)	50	5550	11.42	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	**11.48**	12.00	No
		60	5300	11.37	12.00	No
		64	5320	11.33	12.00	No
	802.11n(HT20)	52	5260	11.38	12.00	No
		60	5300	11.38	12.00	No
		64	5320	11.45	12.00	No
	802.11n(HT40)	54	5270	11.51	12.00	No
		62	5310	11.42	12.00	No
	802.11ac(VHT20)	52	5260	11.45	12.00	No
		60	5300	11.26	12.00	No
		64	5320	11.45	12.00	No
	802.11ac(VHT40)	54	5270	11.36	12.00	No
		62	5310	11.33	12.00	No
	802.11ac(VHT80)	58	5290	11.61	12.00	Yes
	802.11ac(VHT160)	50	5550	11.28	12.00	No
	802.11ax(HE20)	52	5260	11.40	12.00	No
		60	5300	11.52	12.00	No
		64	5320	11.49	12.00	No
	802.11ax(HE40)	54	5270	11.30	12.00	No
		62	5310	11.43	12.00	No
	802.11ax(HE80)	58	5290	11.35	12.00	No
	802.11ax(HE20) (RU26)	52	5260	11.41	12.00	No
		60	5300	11.36	12.00	No
		64	5320	11.31	12.00	No
	802.11ax(HE40) (RU26)	54	5270	11.29	12.00	No
		62	5310	11.41	12.00	No
	802.11ax(HE80) (RU26)	58	5290	11.55	12.00	No
	802.11ax(HE160) (RU26)	50	5550	11.31	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	11.43	12.00	No
		116	5580	11.43	12.00	No
		140	5700	11.32	12.00	No
	802.11n(HT20)	100	5500	11.40	12.00	No
		116	5580	11.40	12.00	No

		140	5700	11.53	12.00	No
	802.11n(HT40)	102	5510	11.54	12.00	No
		118	5590	11.50	12.00	No
		134	5670	11.39	12.00	No
	802.11ac(VHT20)	100	5500	11.53	12.00	No
		116	5580	11.33	12.00	No
		140	5700	11.52	12.00	No
	802.11ac(VHT40)	102	5510	11.38	12.00	No
		118	5590	11.42	12.00	No
		134	5670	11.42	12.00	No
	802.11ac(VHT80)	106	5530	**11.42**	12.00	Yes
		122	5690	11.36	12.00	Yes
	802.11ac(VHT160)	50	5550	11.78	12.00	No
	802.11ax(HE20)	100	5500	11.27	12.00	No
		116	5580	11.30	12.00	No
		140	5700	11.27	12.00	No
	802.11ax(HE40)	102	5510	11.40	12.00	No
		110	5550	11.34	12.00	No
		134	5670	11.27	12.00	No
	802.11ax(HE80)	106	5530	11.32	12.00	No
		122	5610	11.32	12.00	No
		138	5690	11.29	12.00	No
	802.11ax(HE20) (RU26)	100	5500	11.30	12.00	No
		116	5580	11.32	12.00	No
		140	5700	11.26	12.00	No
	802.11ax(HE40) (RU26)	102	5510	11.39	12.00	No
		110	5550	11.25	12.00	No
		134	5670	11.30	12.00	No
	802.11ax(HE80) (RU26)	106	5530	11.27	12.00	No
		122	5610	11.49	12.00	No
	802.11ax(HE160) (RU26)	50	5550	11.51	12.00	No
5.8 (5.725~5.850)	802.11a	149	5745	11.29	12.00	No
		157	5785	11.48	12.00	No
		165	5825	11.44	12.00	No
	802.11n(HT20)	149	5745	11.29	12.00	No
		157	5785	11.41	12.00	No
		165	5825	11.27	12.00	No
	802.11n(HT40)	151	5755	11.33	12.00	No
		159	5795	11.33	12.00	No
	802.11ac(VHT20)	149	5745	11.40	12.00	No
		157	5785	11.27	12.00	No

		165	5825	11.45	12.00	No
	802.11ac(VHT40)	151	5755	11.39	12.00	No
		159	5795	11.31	12.00	No
	802.11ac(VHT80)	155	5775	**11.98**	12.00	Yes
	802.11ax(HE20)	149	5745	11.30	12.00	No
		157	5785	11.46	12.00	No
		165	5825	11.55	12.00	No
	802.11ax(HE40)	151	5755	11.48	12.00	No
		159	5795	11.43	12.00	No
	802.11ax(HE80)	155	5775	11.41	12.00	No
	802.11ax(HE20) (RU26)	149	5745	11.29	12.00	No
		157	5785	11.42	12.00	No
		165	5825	11.47	12.00	No
	802.11ax(HE40) (RU26)	151	5755	11.54	12.00	No
		159	5795	11.37	12.00	No
	802.11ax(HE80) (RU26)	155	5775	11.53	12.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.40 5G WIFI ANT9 State1

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	17.72	18.00	No
		44	5220	17.81	18.00	No
		48	5240	17.89	18.00	No
	802.11n(HT20)	36	5180	17.80	18.00	No
		44	5220	17.72	18.00	No
		48	5240	17.88	18.00	No
	802.11n(HT40)	38	5190	17.74	18.00	No
		46	5230	17.85	18.00	No
	802.11ac(VHT20)	36	5180	17.88	18.00	No
		44	5220	17.84	18.00	No
		48	5240	17.93	18.00	No
	802.11ac(VHT40)	38	5190	17.73	18.00	No
		46	5230	17.92	18.00	No
	802.11ac(VHT80)	42	5210	**17.72**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.84	18.00	No
	802.11ax(HE20)	36	5180	17.92	18.00	No
		44	5220	17.67	18.00	No

		48	5240	17.77	18.00	No
	802.11ax(HE40)	38	5190	17.87	18.00	No
		46	5230	17.75	18.00	No
	802.11ax(HE80)	42	5210	17.76	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.76	18.00	No
		44	5220	17.83	18.00	No
		48	5240	17.67	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.68	18.00	No
		46	5230	17.92	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.65	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.89	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.80	18.00	No
		60	5300	17.82	18.00	No
		64	5320	17.83	18.00	No
	802.11n(HT20)	52	5260	17.88	18.00	No
		60	5300	17.80	18.00	No
		64	5320	17.73	18.00	No
	802.11n(HT40)	54	5270	17.72	18.00	No
		62	5310	17.73	18.00	No
	802.11ac(VHT20)	52	5260	17.66	18.00	No
		60	5300	17.87	18.00	No
		64	5320	17.86	18.00	No
	802.11ac(VHT40)	54	5270	17.89	18.00	No
		62	5310	17.89	18.00	No
	802.11ac(VHT80)	58	5290	**17.79**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.86	18.00	No
	802.11ax(HE20)	52	5260	17.90	18.00	No
		60	5300	17.84	18.00	No
		64	5320	17.88	18.00	No
	802.11ax(HE40)	54	5270	17.77	18.00	No
		62	5310	17.70	18.00	No
	802.11ax(HE80)	58	5290	17.80	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.83	18.00	No
		60	5300	17.73	18.00	No
		64	5320	17.82	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.83	18.00	No
		62	5310	17.91	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.89	18.00	No
	802.11ax(HE160)	50	5550	17.76	18.00	No

	(RU26)					
5.6 (5.47~5.725)	802.11a	100	5500	17.81	18.00	No
		116	5580	17.92	18.00	No
		140	5700	17.80	18.00	No
	802.11n(HT20)	100	5500	17.68	18.00	No
		116	5580	17.77	18.00	No
		140	5700	17.77	18.00	No
	802.11n(HT40)	102	5510	17.84	18.00	No
		118	5590	17.72	18.00	No
		134	5670	17.87	18.00	No
	802.11ac(VHT20)	100	5500	17.83	18.00	No
		116	5580	17.64	18.00	No
		140	5700	17.89	18.00	No
	802.11ac(VHT40)	102	5510	17.80	18.00	No
		118	5590	17.64	18.00	No
		134	5670	17.67	18.00	No
	802.11ac(VHT80)	106	5530	17.65	18.00	Yes
		122	5690	17.76	18.00	Yes
	802.11ac(VHT160)	50	5550	17.54	18.00	No
	802.11ax(HE20)	100	5500	17.78	18.00	No
		116	5580	17.67	18.00	No
		140	5700	17.87	18.00	No
	802.11ax(HE40)	102	5510	17.92	18.00	No
		110	5550	17.70	18.00	No
		134	5670	17.90	18.00	No
	802.11ax(HE80)	106	5530	17.94	18.00	No
		122	5610	17.72	18.00	No
		138	5690	17.94	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.76	18.00	No
		116	5580	17.72	18.00	No
		140	5700	17.68	18.00	No
	802.11ax(HE40) (RU26)	102	5510	17.90	18.00	No
		110	5550	17.82	18.00	No
		134	5670	17.66	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.76	18.00	No
		122	5610	17.88	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.83	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.82	18.00	No
		157	5785	17.85	18.00	No
		165	5825	17.93	18.00	No
	802.11n(HT20)	149	5745	17.72	18.00	No

		157	5785	17.77	18.00	No
		165	5825	17.71	18.00	No
	802.11n(HT40)	151	5755	17.65	18.00	No
		159	5795	17.76	18.00	No
	802.11ac(VHT20)	149	5745	17.89	18.00	No
		157	5785	17.83	18.00	No
		165	5825	17.80	18.00	No
	802.11ac(VHT40)	151	5755	17.67	18.00	No
		159	5795	17.80	18.00	No
	802.11ac(VHT80)	155	5775	**17.65**	18.00	Yes
	802.11ax(HE20)	149	5745	17.81	18.00	No
		157	5785	17.94	18.00	No
		165	5825	17.76	18.00	No
	802.11ax(HE40)	151	5755	17.84	18.00	No
		159	5795	17.90	18.00	No
	802.11ax(HE80)	155	5775	17.81	18.00	No
	802.11ax(HE20) (RU26)	149	5745	17.69	18.00	No
		157	5785	17.71	18.00	No
		165	5825	17.74	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.67	18.00	No
		159	5795	17.81	18.00	No
	802.11ax(HE80) (RU26)	155	5775	17.85	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.41 5G WIFI MIMO State1

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	14.75	15.00	No
		44	5220	14.71	15.00	No
		48	5240	14.72	15.00	No
	802.11n(HT20)	36	5180	14.74	15.00	No
		44	5220	14.60	15.00	No
		48	5240	14.60	15.00	No
	802.11n(HT40)	38	5190	14.46	15.00	No
		46	5230	14.67	15.00	No
	802.11ac(VHT20)	36	5180	14.64	15.00	No
		44	5220	14.61	15.00	No
		48	5240	14.72	15.00	No

	802.11ac(VHT40)	38	5190	14.60	15.00	No
		46	5230	14.64	15.00	No
	802.11ac(VHT80)	42	5210	**14.71**	15.00	Yes
	802.11ac(VHT160)	50	5550	14.58	15.00	No
	802.11ax(HE20)	36	5180	14.72	15.00	No
		44	5220	14.77	15.00	No
		48	5240	14.58	15.00	No
	802.11ax(HE40)	38	5190	14.77	15.00	No
		46	5230	14.56	15.00	No
	802.11ax(HE80)	42	5210	14.67	15.00	No
	802.11ax(HE20) (RU26)	36	5180	14.69	15.00	No
		44	5220	14.65	15.00	No
		48	5240	14.60	15.00	No
	802.11ax(HE40) (RU26)	38	5190	14.72	15.00	No
		46	5230	14.65	15.00	No
	802.11ax(HE80) (RU26)	42	5210	14.66	15.00	No
	802.11ax(HE160) (RU26)	50	5550	14.67	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.74	15.00	No
		60	5300	14.66	15.00	No
		64	5320	14.60	15.00	No
	802.11n(HT20)	52	5260	14.64	15.00	No
		60	5300	14.70	15.00	No
		64	5320	14.73	15.00	No
	802.11n(HT40)	54	5270	14.56	15.00	No
		62	5310	14.65	15.00	No
	802.11ac(VHT20)	52	5260	14.66	15.00	No
		60	5300	14.62	15.00	No
		64	5320	14.66	15.00	No
	802.11ac(VHT40)	54	5270	14.64	15.00	No
		62	5310	14.63	15.00	No
	802.11ac(VHT80)	58	5290	**14.80**	15.00	Yes
	802.11ac(VHT160)	50	5550	14.62	15.00	No
	802.11ax(HE20)	52	5260	14.64	15.00	No
		60	5300	14.73	15.00	No
		64	5320	14.70	15.00	No
	802.11ax(HE40)	54	5270	14.46	15.00	No
		62	5310	14.56	15.00	No
	802.11ax(HE80)	58	5290	14.52	15.00	No
	802.11ax(HE20) (RU26)	52	5260	14.66	15.00	No
		60	5300	14.62	15.00	No

		64	5320	14.55	15.00	No
	802.11ax(HE40) (RU26)	54	5270	14.61	15.00	No
		62	5310	14.61	15.00	No
	802.11ax(HE80) (RU26)	58	5290	14.78	15.00	No
	802.11ax(HE160) (RU26)	50	5550	14.63	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.61	15.00	No
		116	5580	14.69	15.00	No
		140	5700	14.67	15.00	No
	802.11n(HT20)	100	5500	14.64	15.00	No
		116	5580	14.68	15.00	No
		140	5700	14.75	15.00	No
	802.11n(HT40)	102	5510	14.70	15.00	No
		118	5590	14.68	15.00	No
		134	5670	14.50	15.00	No
	802.11ac(VHT20)	100	5500	14.70	15.00	No
		116	5580	14.62	15.00	No
		140	5700	14.70	15.00	No
	802.11ac(VHT40)	102	5510	14.66	15.00	No
		118	5590	14.56	15.00	No
		134	5670	14.72	15.00	No
	802.11ac(VHT80)	106	5530	**14.66**	15.00	Yes
		122	5690	14.65	15.00	Yes
	802.11ac(VHT160)	50	5550	14.82	15.00	No
	802.11ax(HE20)	100	5500	14.57	15.00	No
		116	5580	14.48	15.00	No
		140	5700	14.61	15.00	No
	802.11ax(HE40)	102	5510	14.68	15.00	No
		110	5550	14.52	15.00	No
		134	5670	14.64	15.00	No
	802.11ax(HE80)	106	5530	14.66	15.00	No
		122	5610	14.67	15.00	No
		138	5690	14.59	15.00	No
	802.11ax(HE20) (RU26)	100	5500	14.62	15.00	No
		116	5580	14.62	15.00	No
		140	5700	14.65	15.00	No
	802.11ax(HE40) (RU26)	102	5510	14.71	15.00	No
		110	5550	14.58	15.00	No
		134	5670	14.50	15.00	No
	802.11ax(HE80) (RU26)	106	5530	14.63	15.00	No
		122	5610	14.68	15.00	No

	802.11ax(HE160) (RU26)	50	5550	14.72	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	14.60	15.00	No
		157	5785	14.55	15.00	No
		165	5825	14.67	15.00	No
	802.11n(HT20)	149	5745	14.63	15.00	No
		157	5785	14.69	15.00	No
		165	5825	14.50	15.00	No
	802.11n(HT40)	151	5755	14.60	15.00	No
		159	5795	14.58	15.00	No
	802.11ac(VHT20)	149	5745	14.64	15.00	No
		157	5785	14.61	15.00	No
		165	5825	14.72	15.00	No
	802.11ac(VHT40)	151	5755	14.69	15.00	No
		159	5795	14.59	15.00	No
	802.11ac(VHT80)	155	5775	**14.88**	15.00	Yes
	802.11ax(HE20)	149	5745	14.61	15.00	No
		157	5785	14.72	15.00	No
		165	5825	14.73	15.00	No
	802.11ax(HE40)	151	5755	14.73	15.00	No
		159	5795	14.71	15.00	No
	802.11ax(HE80)	155	5775	14.70	15.00	No
	802.11ax(HE20) (RU26)	149	5745	14.65	15.00	No
		157	5785	14.69	15.00	No
		165	5825	14.67	15.00	No
	802.11ax(HE40) (RU26)	151	5755	14.78	15.00	No
		159	5795	14.65	15.00	No
	802.11ax(HE80) (RU26)	155	5775	14.70	15.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.42 5G WIFI ANT7 State2

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	8.53	9.00	No
		44	5220	8.39	9.00	No
		48	5240	8.62	9.00	No
	802.11n(HT20)	36	5180	8.38	9.00	No
		44	5220	8.45	9.00	No
		48	5240	8.41	9.00	No

	802.11n(HT40)	38	5190	8.56	9.00	No
		46	5230	8.57	9.00	No
	802.11ac(VHT20)	36	5180	8.35	9.00	No
		44	5220	8.62	9.00	No
		48	5240	8.63	9.00	No
	802.11ac(VHT40)	38	5190	8.50	9.00	No
		46	5230	8.46	9.00	No
	802.11ac(VHT80)	42	5210	**8.48**	9.00	Yes
	802.11ac(VHT160)	50	5550	8.42	9.00	No
	802.11ax(HE20)	36	5180	8.57	9.00	No
		44	5220	8.39	9.00	No
		48	5240	8.39	9.00	No
	802.11ax(HE40)	38	5190	8.37	9.00	No
		46	5230	8.60	9.00	No
	802.11ax(HE80)	42	5210	8.43	9.00	No
	802.11ax(HE20) (RU26)	36	5180	8.39	9.00	No
		44	5220	8.36	9.00	No
		48	5240	8.51	9.00	No
	802.11ax(HE40) (RU26)	38	5190	8.61	9.00	No
		46	5230	8.50	9.00	No
	802.11ax(HE80) (RU26)	42	5210	8.57	9.00	No
	802.11ax(HE160) (RU26)	50	5550	8.52	9.00	No
5.3 (5.25~5.35)	802.11a	52	5260	8.41	9.00	No
		60	5300	8.35	9.00	No
		64	5320	8.38	9.00	No
	802.11n(HT20)	52	5260	8.54	9.00	No
		60	5300	8.63	9.00	No
		64	5320	8.61	9.00	No
	802.11n(HT40)	54	5270	8.57	9.00	No
		62	5310	8.39	9.00	No
	802.11ac(VHT20)	52	5260	8.37	9.00	No
		60	5300	8.42	9.00	No
		64	5320	8.36	9.00	No
	802.11ac(VHT40)	54	5270	8.46	9.00	No
		62	5310	8.51	9.00	No
	802.11ac(VHT80)	58	5290	**8.75**	9.00	Yes
	802.11ac(VHT160)	50	5550	8.33	9.00	No
	802.11ax(HE20)	52	5260	8.62	9.00	No
		60	5300	8.40	9.00	No
		64	5320	8.40	9.00	No

	802.11ax(HE40)	54	5270	8.50	9.00	No
		62	5310	8.44	9.00	No
	802.11ax(HE80)	58	5290	8.63	9.00	No
	802.11ax(HE20) (RU26)	52	5260	8.42	9.00	No
		60	5300	8.58	9.00	No
		64	5320	8.37	9.00	No
	802.11ax(HE40) (RU26)	54	5270	8.55	9.00	No
		62	5310	8.46	9.00	No
	802.11ax(HE80) (RU26)	58	5290	8.60	9.00	No
	802.11ax(HE160) (RU26)	50	5550	8.54	9.00	No
5.6 (5.47~5.725)	802.11a	100	5500	8.55	9.00	No
		116	5580	8.35	9.00	No
		140	5700	8.57	9.00	No
	802.11n(HT20)	100	5500	8.54	9.00	No
		116	5580	8.57	9.00	No
		140	5700	8.35	9.00	No
	802.11n(HT40)	102	5510	8.58	9.00	No
		118	5590	8.36	9.00	No
		134	5670	8.61	9.00	No
	802.11ac(VHT20)	100	5500	8.38	9.00	No
		116	5580	8.61	9.00	No
		140	5700	8.37	9.00	No
	802.11ac(VHT40)	102	5510	8.60	9.00	No
		118	5590	8.47	9.00	No
		134	5670	8.61	9.00	No
	802.11ac(VHT80)	106	5530	**8.56**	9.00	Yes
		122	5690	8.48	9.00	Yes
	802.11ac(VHT160)	50	5550	8.82	9.00	No
	802.11ax(HE20)	100	5500	8.41	9.00	No
		116	5580	8.55	9.00	No
		140	5700	8.50	9.00	No
	802.11ax(HE40)	102	5510	8.58	9.00	No
		110	5550	8.50	9.00	No
		134	5670	8.63	9.00	No
	802.11ax(HE80)	106	5530	8.33	9.00	No
		122	5610	8.55	9.00	No
		138	5690	8.51	9.00	No
	802.11ax(HE20) (RU26)	100	5500	8.55	9.00	No
		116	5580	8.59	9.00	No
		140	5700	8.44	9.00	No

	802.11ax(HE40) (RU26)	102	5510	8.42	9.00	No
		110	5550	8.47	9.00	No
		134	5670	8.36	9.00	No
	802.11ax(HE80) (RU26)	106	5530	8.57	9.00	No
		122	5610	8.41	9.00	No
	802.11ax(HE160) (RU26)	50	5550	8.52	9.00	No
5.8 (5.725~5.850)	802.11a	149	5745	8.55	9.00	No
		157	5785	8.63	9.00	No
		165	5825	8.42	9.00	No
	802.11n(HT20)	149	5745	8.48	9.00	No
		157	5785	8.60	9.00	No
		165	5825	8.62	9.00	No
	802.11n(HT40)	151	5755	8.58	9.00	No
		159	5795	8.33	9.00	No
	802.11ac(VHT20)	149	5745	8.47	9.00	No
		157	5785	8.58	9.00	No
		165	5825	8.47	9.00	No
	802.11ac(VHT40)	151	5755	8.49	9.00	No
		159	5795	8.61	9.00	No
	802.11ac(VHT80)	155	5775	**8.69**	9.00	Yes
	802.11ax(HE20)	149	5745	8.47	9.00	No
		157	5785	8.46	9.00	No
		165	5825	8.46	9.00	No
	802.11ax(HE40)	151	5755	8.37	9.00	No
		159	5795	8.36	9.00	No
	802.11ax(HE80)	155	5775	8.40	9.00	No
	802.11ax(HE20) (RU26)	149	5745	8.39	9.00	No
		157	5785	8.51	9.00	No
		165	5825	8.59	9.00	No
	802.11ax(HE40) (RU26)	151	5755	8.56	9.00	No
		159	5795	8.53	9.00	No
	802.11ax(HE80) (RU26)	155	5775	8.58	9.00	No

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

8.6.43 5G WIFI ANT9 State2

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	8.63	9.00	No
		44	5220	8.63	9.00	No
		48	5240	8.70	9.00	No
	802.11n(HT20)	36	5180	8.90	9.00	No
		44	5220	8.87	9.00	No
		48	5240	8.64	9.00	No
	802.11n(HT40)	38	5190	8.73	9.00	No
		46	5230	8.69	9.00	No
	802.11ac(VHT20)	36	5180	8.70	9.00	No
		44	5220	8.83	9.00	No
		48	5240	8.89	9.00	No
	802.11ac(VHT40)	38	5190	8.84	9.00	No
		46	5230	8.79	9.00	No
	802.11ac(VHT80)	42	5210	**8.75**	9.00	Yes
	802.11ac(VHT160)	50	5550	8.88	9.00	No
	802.11ax(HE20)	36	5180	8.83	9.00	No
		44	5220	8.65	9.00	No
		48	5240	8.71	9.00	No
	802.11ax(HE40)	38	5190	8.83	9.00	No
		46	5230	8.69	9.00	No
	802.11ax(HE80)	42	5210	8.85	9.00	No
	802.11ax(HE20) (RU26)	36	5180	8.81	9.00	No
		44	5220	8.61	9.00	No
		48	5240	8.86	9.00	No
	802.11ax(HE40) (RU26)	38	5190	8.76	9.00	No
		46	5230	8.77	9.00	No
	802.11ax(HE80) (RU26)	42	5210	8.81	9.00	No
	802.11ax(HE160) (RU26)	50	5550	8.63	9.00	No
5.3 (5.25~5.35)	802.11a	52	5260	8.72	9.00	No
		60	5300	8.84	9.00	No
		64	5320	8.76	9.00	No
	802.11n(HT20)	52	5260	8.83	9.00	No
		60	5300	8.66	9.00	No
		64	5320	8.60	9.00	No
	802.11n(HT40)	54	5270	8.78	9.00	No
		62	5310	8.73	9.00	No
	802.11ac(VHT20)	52	5260	8.82	9.00	No

		60	5300	8.67	9.00	No
		64	5320	8.65	9.00	No
	802.11ac(VHT40)	54	5270	8.64	9.00	No
		62	5310	8.71	9.00	No
	802.11ac(VHT80)	58	5290	**8.75**	9.00	Yes
	802.11ac(VHT160)	50	5550	8.63	9.00	No
	802.11ax(HE20)	52	5260	8.90	9.00	No
		60	5300	8.63	9.00	No
		64	5320	8.73	9.00	No
	802.11ax(HE40)	54	5270	8.79	9.00	No
		62	5310	8.80	9.00	No
	802.11ax(HE80)	58	5290	8.84	9.00	No
	802.11ax(HE20) (RU26)	52	5260	8.85	9.00	No
		60	5300	8.76	9.00	No
		64	5320	8.89	9.00	No
	802.11ax(HE40) (RU26)	54	5270	8.85	9.00	No
		62	5310	8.66	9.00	No
	802.11ax(HE80) (RU26)	58	5290	8.66	9.00	No
	802.11ax(HE160) (RU26)	50	5550	8.76	9.00	No
5.6 (5.47~5.725)	802.11a	100	5500	8.78	9.00	No
		116	5580	8.76	9.00	No
		140	5700	8.75	9.00	No
	802.11n(HT20)	100	5500	8.67	9.00	No
		116	5580	8.74	9.00	No
		140	5700	8.67	9.00	No
	802.11n(HT40)	102	5510	8.79	9.00	No
		118	5590	8.86	9.00	No
		134	5670	8.64	9.00	No
	802.11ac(VHT20)	100	5500	8.62	9.00	No
		116	5580	8.82	9.00	No
		140	5700	8.62	9.00	No
	802.11ac(VHT40)	102	5510	8.87	9.00	No
		118	5590	8.70	9.00	No
		134	5670	8.85	9.00	No
	802.11ac(VHT80)	106	5530	**8.78**	9.00	Yes
		122	5690	8.65	9.00	Yes
	802.11ac(VHT160)	50	5550	8.82	9.00	No
	802.11ax(HE20)	100	5500	8.77	9.00	No
		116	5580	8.66	9.00	No
		140	5700	8.76	9.00	No

	802.11ax(HE40)	102	5510	8.66	9.00	No
		110	5550	8.83	9.00	No
		134	5670	8.68	9.00	No
	802.11ax(HE80)	106	5530	8.60	9.00	No
		122	5610	8.87	9.00	No
		138	5690	8.81	9.00	No
	802.11ax(HE20) (RU26)	100	5500	8.82	9.00	No
		116	5580	8.86	9.00	No
		140	5700	8.84	9.00	No
	802.11ax(HE40) (RU26)	102	5510	8.77	9.00	No
		110	5550	8.71	9.00	No
		134	5670	8.90	9.00	No
	802.11ax(HE80) (RU26)	106	5530	8.81	9.00	No
		122	5610	8.79	9.00	No
	802.11ax(HE160) (RU26)	50	5550	8.84	9.00	No
5.8 (5.725~5.850)	802.11a	149	5745	8.89	9.00	No
		157	5785	8.90	9.00	No
		165	5825	8.77	9.00	No
	802.11n(HT20)	149	5745	8.71	9.00	No
		157	5785	8.68	9.00	No
		165	5825	8.87	9.00	No
	802.11n(HT40)	151	5755	8.73	9.00	No
		159	5795	8.76	9.00	No
	802.11ac(VHT20)	149	5745	8.90	9.00	No
		157	5785	8.89	9.00	No
		165	5825	8.68	9.00	No
	802.11ac(VHT40)	151	5755	8.63	9.00	No
		159	5795	8.79	9.00	No
	802.11ac(VHT80)	155	5775	**8.59**	9.00	Yes
	802.11ax(HE20)	149	5745	8.65	9.00	No
		157	5785	8.61	9.00	No
		165	5825	8.89	9.00	No
	802.11ax(HE40)	151	5755	8.75	9.00	No
		159	5795	8.77	9.00	No
	802.11ax(HE80)	155	5775	8.75	9.00	No
	802.11ax(HE20) (RU26)	149	5745	8.63	9.00	No
		157	5785	8.88	9.00	No
		165	5825	8.85	9.00	No
	802.11ax(HE40) (RU26)	151	5755	8.79	9.00	No
		159	5795	8.79	9.00	No
	802.11ax(HE80)	155	5775	8.61	9.00	No

	(RU26)					
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.44 5G WIFI MIMO State2

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	11.59	12.00	No
		44	5220	11.52	12.00	No
		48	5240	11.67	12.00	No
	802.11n(HT20)	36	5180	11.66	12.00	No
		44	5220	11.68	12.00	No
		48	5240	11.54	12.00	No
	802.11n(HT40)	38	5190	11.66	12.00	No
		46	5230	11.64	12.00	No
	802.11ac(VHT20)	36	5180	11.54	12.00	No
		44	5220	11.74	12.00	No
		48	5240	11.77	12.00	No
	802.11ac(VHT40)	38	5190	11.68	12.00	No
		46	5230	11.64	12.00	No
	802.11ac(VHT80)	42	5210	**11.63**	12.00	Yes
	802.11ac(VHT160)	50	5550	11.67	12.00	No
	802.11ax(HE20)	36	5180	11.71	12.00	No
		44	5220	11.53	12.00	No
		48	5240	11.56	12.00	No
	802.11ax(HE40)	38	5190	11.62	12.00	No
		46	5230	11.66	12.00	No
	802.11ax(HE80)	42	5210	11.66	12.00	No
	802.11ax(HE20) (RU26)	36	5180	11.62	12.00	No
		44	5220	11.50	12.00	No
		48	5240	11.70	12.00	No
	802.11ax(HE40) (RU26)	38	5190	11.70	12.00	No
		46	5230	11.65	12.00	No
	802.11ax(HE80) (RU26)	42	5210	11.70	12.00	No
	802.11ax(HE160) (RU26)	50	5550	11.59	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	11.58	12.00	No
		60	5300	11.61	12.00	No
		64	5320	11.58	12.00	No
	802.11n(HT20)	52	5260	11.70	12.00	No

		60	5300	11.66	12.00	No
		64	5320	11.62	12.00	No
	802.11n(HT40)	54	5270	11.69	12.00	No
		62	5310	11.57	12.00	No
	802.11ac(VHT20)	52	5260	11.61	12.00	No
		60	5300	11.56	12.00	No
		64	5320	11.52	12.00	No
	802.11ac(VHT40)	54	5270	11.56	12.00	No
		62	5310	11.62	12.00	No
	802.11ac(VHT80)	58	5290	**11.76**	12.00	Yes
	802.11ac(VHT160)	50	5550	11.49	12.00	No
	802.11ax(HE20)	52	5260	11.77	12.00	No
		60	5300	11.53	12.00	No
		64	5320	11.58	12.00	No
	802.11ax(HE40)	54	5270	11.66	12.00	No
		62	5310	11.63	12.00	No
	802.11ax(HE80)	58	5290	11.75	12.00	No
	802.11ax(HE20) (RU26)	52	5260	11.65	12.00	No
		60	5300	11.68	12.00	No
		64	5320	11.65	12.00	No
	802.11ax(HE40) (RU26)	54	5270	11.71	12.00	No
		62	5310	11.57	12.00	No
	802.11ax(HE80) (RU26)	58	5290	11.64	12.00	No
	802.11ax(HE160) (RU26)	50	5550	11.66	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	11.68	12.00	No
		116	5580	11.57	12.00	No
		140	5700	11.67	12.00	No
	802.11n(HT20)	100	5500	11.62	12.00	No
		116	5580	11.67	12.00	No
		140	5700	11.52	12.00	No
	802.11n(HT40)	102	5510	11.70	12.00	No
		118	5590	11.63	12.00	No
		134	5670	11.64	12.00	No
	802.11ac(VHT20)	100	5500	11.51	12.00	No
		116	5580	11.73	12.00	No
		140	5700	11.51	12.00	No
	802.11ac(VHT40)	102	5510	11.75	12.00	No
		118	5590	11.60	12.00	No
		134	5670	11.74	12.00	No
	802.11ac(VHT80)	106	5530	**11.68**	12.00	Yes

		122	5690	11.58	12.00	Yes
	802.11ac(VHT160)	50	5550	11.83	12.00	No
	802.11ax(HE20)	100	5500	11.60	12.00	No
		116	5580	11.62	12.00	No
		140	5700	11.64	12.00	No
	802.11ax(HE40)	102	5510	11.63	12.00	No
		110	5550	11.68	12.00	No
		134	5670	11.67	12.00	No
	802.11ax(HE80)	106	5530	11.48	12.00	No
		122	5610	11.72	12.00	No
		138	5690	11.67	12.00	No
	802.11ax(HE20) (RU26)	100	5500	11.70	12.00	No
		116	5580	11.74	12.00	No
		140	5700	11.65	12.00	No
	802.11ax(HE40) (RU26)	102	5510	11.61	12.00	No
		110	5550	11.60	12.00	No
		134	5670	11.65	12.00	No
	802.11ax(HE80) (RU26)	106	5530	11.70	12.00	No
		122	5610	11.61	12.00	No
	802.11ax(HE160) (RU26)	50	5550	11.69	12.00	No
5.8 (5.725~5.850)	802.11a	149	5745	11.73	12.00	No
		157	5785	11.78	12.00	No
		165	5825	11.61	12.00	No
	802.11n(HT20)	149	5745	11.61	12.00	No
		157	5785	11.65	12.00	No
		165	5825	11.76	12.00	No
	802.11n(HT40)	151	5755	11.67	12.00	No
		159	5795	11.56	12.00	No
	802.11ac(VHT20)	149	5745	11.70	12.00	No
		157	5785	11.75	12.00	No
		165	5825	11.59	12.00	No
	802.11ac(VHT40)	151	5755	11.57	12.00	No
		159	5795	11.71	12.00	No
	802.11ac(VHT80)	155	5775	**11.65**	12.00	Yes
	802.11ax(HE20)	149	5745	11.57	12.00	No
		157	5785	11.55	12.00	No
		165	5825	11.69	12.00	No
	802.11ax(HE40)	151	5755	11.57	12.00	No
		159	5795	11.58	12.00	No
	802.11ax(HE80)	155	5775	11.59	12.00	No
	802.11ax(HE20)	149	5745	11.52	12.00	No

	(RU26)	157	5785	11.71	12.00	No
		165	5825	11.73	12.00	No
	802.11ax(HE40) (RU26)	151	5755	11.69	12.00	No
		159	5795	11.67	12.00	No
	802.11ax(HE80) (RU26)	155	5775	11.61	12.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.45 5G WIFI ANT7 State3

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	7.51	8.00	No
		44	5220	7.37	8.00	No
		48	5240	7.36	8.00	No
	802.11n(HT20)	36	5180	7.54	8.00	No
		44	5220	7.51	8.00	No
		48	5240	7.28	8.00	No
	802.11n(HT40)	38	5190	7.43	8.00	No
		46	5230	7.53	8.00	No
	802.11ac(VHT20)	36	5180	7.30	8.00	No
		44	5220	7.46	8.00	No
		48	5240	7.49	8.00	No
	802.11ac(VHT40)	38	5190	7.31	8.00	No
		46	5230	7.31	8.00	No
	802.11ac(VHT80)	42	5210	**7.43**	8.00	Yes
	802.11ac(VHT160)	50	5550	7.37	8.00	No
	802.11ax(HE20)	36	5180	7.28	8.00	No
		44	5220	7.31	8.00	No
		48	5240	7.41	8.00	No
	802.11ax(HE40)	38	5190	7.48	8.00	No
		46	5230	7.32	8.00	No
	802.11ax(HE80)	42	5210	7.39	8.00	No
	802.11ax(HE20) (RU26)	36	5180	7.28	8.00	No
		44	5220	7.46	8.00	No
		48	5240	7.44	8.00	No
	802.11ax(HE40) (RU26)	38	5190	7.43	8.00	No
		46	5230	7.31	8.00	No
	802.11ax(HE80) (RU26)	42	5210	7.44	8.00	No
	802.11ax(HE160)	50	5550	7.34	8.00	No

	(RU26)					
5.3 (5.25~5.35)	802.11a	52	5260	7.55	8.00	No
		60	5300	7.49	8.00	No
		64	5320	7.33	8.00	No
	802.11n(HT20)	52	5260	7.34	8.00	No
		60	5300	7.47	8.00	No
		64	5320	7.57	8.00	No
	802.11n(HT40)	54	5270	7.51	8.00	No
		62	5310	7.47	8.00	No
	802.11ac(VHT20)	52	5260	7.53	8.00	No
		60	5300	7.56	8.00	No
		64	5320	7.58	8.00	No
	802.11ac(VHT40)	54	5270	7.49	8.00	No
		62	5310	7.41	8.00	No
	802.11ac(VHT80)	58	5290	**7.65**	8.00	Yes
	802.11ac(VHT160)	50	5550	7.43	8.00	No
	802.11ax(HE20)	52	5260	7.39	8.00	No
		60	5300	7.33	8.00	No
		64	5320	7.54	8.00	No
	802.11ax(HE40)	54	5270	7.57	8.00	No
		62	5310	7.48	8.00	No
	802.11ax(HE80)	58	5290	7.28	8.00	No
	802.11ax(HE20) (RU26)	52	5260	7.55	8.00	No
		60	5300	7.53	8.00	No
		64	5320	7.33	8.00	No
	802.11ax(HE40) (RU26)	54	5270	7.39	8.00	No
		62	5310	7.39	8.00	No
	802.11ax(HE80) (RU26)	58	5290	7.29	8.00	No
	802.11ax(HE160) (RU26)	50	5550	7.41	8.00	No
5.6 (5.47~5.725)	802.11a	100	5500	7.51	8.00	No
		116	5580	7.31	8.00	No
		140	5700	7.54	8.00	No
	802.11n(HT20)	100	5500	7.55	8.00	No
		116	5580	7.48	8.00	No
		140	5700	7.48	8.00	No
	802.11n(HT40)	102	5510	7.56	8.00	No
		118	5590	7.28	8.00	No
		134	5670	7.55	8.00	No
	802.11ac(VHT20)	100	5500	7.46	8.00	No
		116	5580	7.49	8.00	No

		140	5700	7.31	8.00	No
	802.11ac(VHT40)	102	5510	7.30	8.00	No
		118	5590	7.42	8.00	No
		134	5670	7.56	8.00	No
	802.11ac(VHT80)	106	5530	7.47	8.00	Yes
		122	5690	**7.48**	8.00	Yes
	802.11ac(VHT160)	50	5550	7.72	8.00	No
	802.11ax(HE20)	100	5500	7.49	8.00	No
		116	5580	7.31	8.00	No
		140	5700	7.38	8.00	No
	802.11ax(HE40)	102	5510	7.43	8.00	No
		110	5550	7.28	8.00	No
		134	5670	7.28	8.00	No
	802.11ax(HE80)	106	5530	7.28	8.00	No
		122	5610	7.54	8.00	No
		138	5690	7.54	8.00	No
	802.11ax(HE20) (RU26)	100	5500	7.49	8.00	No
		116	5580	7.50	8.00	No
		140	5700	7.41	8.00	No
	802.11ax(HE40) (RU26)	102	5510	7.42	8.00	No
		110	5550	7.39	8.00	No
		134	5670	7.49	8.00	No
	802.11ax(HE80) (RU26)	106	5530	7.47	8.00	No
		122	5610	7.55	8.00	No
	802.11ax(HE160) (RU26)	50	5550	7.36	8.00	No
5.8 (5.725~5.850)	802.11a	149	5745	7.39	8.00	No
		157	5785	7.40	8.00	No
		165	5825	7.29	8.00	No
	802.11n(HT20)	149	5745	7.50	8.00	No
		157	5785	7.31	8.00	No
		165	5825	7.51	8.00	No
	802.11n(HT40)	151	5755	7.50	8.00	No
		159	5795	7.46	8.00	No
	802.11ac(VHT20)	149	5745	7.48	8.00	No
		157	5785	7.34	8.00	No
		165	5825	7.48	8.00	No
	802.11ac(VHT40)	151	5755	7.54	8.00	No
		159	5795	7.52	8.00	No
	802.11ac(VHT80)	155	5775	**7.88**	8.00	Yes
	802.11ax(HE20)	149	5745	7.48	8.00	No
		157	5785	7.33	8.00	No

		165	5825	7.35	8.00	No
	802.11ax(HE40)	151	5755	7.51	8.00	No
		159	5795	7.51	8.00	No
	802.11ax(HE80)	155	5775	7.38	8.00	No
	802.11ax(HE20) (RU26)	149	5745	7.53	8.00	No
		157	5785	7.32	8.00	No
		165	5825	7.38	8.00	No
	802.11ax(HE40) (RU26)	151	5755	7.36	8.00	No
		159	5795	7.47	8.00	No
	802.11ax(HE80) (RU26)	155	5775	7.49	8.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.46 5G WIFI ANT9 State3

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	17.69	18.00	No
		44	5220	17.90	18.00	No
		48	5240	17.69	18.00	No
	802.11n(HT20)	36	5180	17.65	18.00	No
		44	5220	17.82	18.00	No
		48	5240	17.70	18.00	No
	802.11n(HT40)	38	5190	17.74	18.00	No
		46	5230	17.82	18.00	No
	802.11ac(VHT20)	36	5180	17.90	18.00	No
		44	5220	17.74	18.00	No
		48	5240	17.77	18.00	No
	802.11ac(VHT40)	38	5190	17.71	18.00	No
		46	5230	17.64	18.00	No
	802.11ac(VHT80)	42	5210	**17.79**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.93	18.00	No
	802.11ax(HE20)	36	5180	17.65	18.00	No
		44	5220	17.91	18.00	No
		48	5240	17.70	18.00	No
	802.11ax(HE40)	38	5190	17.79	18.00	No
		46	5230	17.84	18.00	No
	802.11ax(HE80)	42	5210	17.76	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.69	18.00	No
		44	5220	17.85	18.00	No

		48	5240	17.64	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.67	18.00	No
		46	5230	17.86	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.72	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.89	18.00	No
		60	5300	17.65	18.00	No
		64	5320	17.67	18.00	No
	802.11n(HT20)	52	5260	17.64	18.00	No
		60	5300	17.87	18.00	No
		64	5320	17.77	18.00	No
	802.11n(HT40)	54	5270	17.71	18.00	No
		62	5310	17.91	18.00	No
	802.11ac(VHT20)	52	5260	17.93	18.00	No
		60	5300	17.69	18.00	No
		64	5320	17.90	18.00	No
	802.11ac(VHT40)	54	5270	17.71	18.00	No
		62	5310	17.87	18.00	No
	802.11ac(VHT80)	58	5290	**17.72**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.73	18.00	No
	802.11ax(HE20)	52	5260	17.65	18.00	No
		60	5300	17.67	18.00	No
		64	5320	17.68	18.00	No
	802.11ax(HE40)	54	5270	17.75	18.00	No
		62	5310	17.83	18.00	No
	802.11ax(HE80)	58	5290	17.70	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.72	18.00	No
		60	5300	17.93	18.00	No
		64	5320	17.79	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.77	18.00	No
		62	5310	17.68	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.83	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.82	18.00	No
		116	5580	17.82	18.00	No
		140	5700	17.87	18.00	No
	802.11n(HT20)	100	5500	17.87	18.00	No
		116	5580	17.87	18.00	No

		140	5700	17.90	18.00	No
	802.11n(HT40)	102	5510	17.87	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.85	18.00	No
	802.11ac(VHT20)	100	5500	17.89	18.00	No
		116	5580	17.88	18.00	No
		140	5700	17.72	18.00	No
	802.11ac(VHT40)	102	5510	17.89	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.67	18.00	No
	802.11ac(VHT80)	106	5530	**17.83**	18.00	Yes
		122	5690	17.75	18.00	Yes
	802.11ac(VHT160)	50	5550	17.54	18.00	No
	802.11ax(HE20)	100	5500	17.78	18.00	No
		116	5580	17.72	18.00	No
		140	5700	17.79	18.00	No
	802.11ax(HE40)	102	5510	17.68	18.00	No
		110	5550	17.76	18.00	No
		134	5670	17.93	18.00	No
	802.11ax(HE80)	106	5530	17.86	18.00	No
		122	5610	17.86	18.00	No
		138	5690	17.81	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.64	18.00	No
		116	5580	17.77	18.00	No
		140	5700	17.90	18.00	No
	802.11ax(HE40) (RU26)	102	5510	17.93	18.00	No
		110	5550	17.85	18.00	No
		134	5670	17.88	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.75	18.00	No
		122	5610	17.75	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.65	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.78	18.00	No
		157	5785	17.88	18.00	No
		165	5825	17.83	18.00	No
	802.11n(HT20)	149	5745	17.83	18.00	No
		157	5785	17.70	18.00	No
		165	5825	17.75	18.00	No
	802.11n(HT40)	151	5755	17.67	18.00	No
		159	5795	17.72	18.00	No
	802.11ac(VHT20)	149	5745	17.93	18.00	No
		157	5785	17.82	18.00	No

		165	5825	17.82	18.00	No
	802.11ac(VHT40)	151	5755	17.71	18.00	No
		159	5795	17.77	18.00	No
	802.11ac(VHT80)	155	5775	**17.65**	18.00	Yes
	802.11ax(HE20)	149	5745	17.92	18.00	No
		157	5785	17.65	18.00	No
		165	5825	17.79	18.00	No
	802.11ax(HE40)	151	5755	17.91	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80)	155	5775	17.64	18.00	No
	802.11ax(HE20) (RU26)	149	5745	17.66	18.00	No
		157	5785	17.72	18.00	No
		165	5825	17.66	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.68	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80) (RU26)	155	5775	17.76	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.47 5G WIFI MIMO State3

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	10.65	11.00	No
		44	5220	10.53	11.00	No
		48	5240	10.65	11.00	No
	802.11n(HT20)	36	5180	10.65	11.00	No
		44	5220	10.67	11.00	No
		48	5240	10.50	11.00	No
	802.11n(HT40)	38	5190	10.61	11.00	No
		46	5230	10.72	11.00	No
	802.11ac(VHT20)	36	5180	10.64	11.00	No
		44	5220	10.58	11.00	No
		48	5240	10.67	11.00	No
	802.11ac(VHT40)	38	5190	10.64	11.00	No
		46	5230	10.49	11.00	No
	802.11ac(VHT80)	42	5210	**10.62**	11.00	Yes
	802.11ac(VHT160)	50	5550	10.60	11.00	No
	802.11ax(HE20)	36	5180	10.61	11.00	No
		44	5220	10.49	11.00	No

		48	5240	10.66	11.00	No
	802.11ax(HE40)	38	5190	10.62	11.00	No
		46	5230	10.62	11.00	No
	802.11ax(HE80)	42	5210	10.64	11.00	No
	802.11ax(HE20) (RU26)	36	5180	10.56	11.00	No
		44	5220	10.59	11.00	No
		48	5240	10.69	11.00	No
	802.11ax(HE40) (RU26)	38	5190	10.60	11.00	No
		46	5230	10.50	11.00	No
	802.11ax(HE80) (RU26)	42	5210	10.63	11.00	No
	802.11ax(HE160) (RU26)	50	5550	10.51	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	10.66	11.00	No
		60	5300	10.73	11.00	No
		64	5320	10.65	11.00	No
	802.11n(HT20)	52	5260	10.58	11.00	No
		60	5300	10.58	11.00	No
		64	5320	10.70	11.00	No
	802.11n(HT40)	54	5270	10.67	11.00	No
		62	5310	10.63	11.00	No
	802.11ac(VHT20)	52	5260	10.61	11.00	No
		60	5300	10.64	11.00	No
		64	5320	10.70	11.00	No
	802.11ac(VHT40)	54	5270	10.64	11.00	No
		62	5310	10.54	11.00	No
	802.11ac(VHT80)	58	5290	**10.75**	11.00	Yes
	802.11ac(VHT160)	50	5550	10.63	11.00	No
	802.11ax(HE20)	52	5260	10.58	11.00	No
		60	5300	10.65	11.00	No
		64	5320	10.71	11.00	No
	802.11ax(HE40)	54	5270	10.74	11.00	No
		62	5310	10.60	11.00	No
	802.11ax(HE80)	58	5290	10.59	11.00	No
	802.11ax(HE20) (RU26)	52	5260	10.62	11.00	No
		60	5300	10.71	11.00	No
		64	5320	10.59	11.00	No
	802.11ax(HE40) (RU26)	54	5270	10.56	11.00	No
		62	5310	10.54	11.00	No
	802.11ax(HE80) (RU26)	58	5290	10.49	11.00	No
	802.11ax(HE160)	50	5550	10.54	11.00	No

	(RU26)					
5.6 (5.47~5.725)	802.11a	100	5500	10.74	11.00	No
		116	5580	10.63	11.00	No
		140	5700	10.69	11.00	No
	802.11n(HT20)	100	5500	10.71	11.00	No
		116	5580	10.62	11.00	No
		140	5700	10.57	11.00	No
	802.11n(HT40)	102	5510	10.72	11.00	No
		118	5590	10.60	11.00	No
		134	5670	10.66	11.00	No
	802.11ac(VHT20)	100	5500	10.56	11.00	No
		116	5580	10.72	11.00	No
		140	5700	10.60	11.00	No
	802.11ac(VHT40)	102	5510	10.52	11.00	No
		118	5590	10.59	11.00	No
		134	5670	10.73	11.00	No
	802.11ac(VHT80)	106	5530	**10.66**	11.00	Yes
		122	5690	10.62	11.00	Yes
	802.11ac(VHT160)	50	5550	10.70	11.00	No
	802.11ax(HE20)	100	5500	10.73	11.00	No
		116	5580	10.51	11.00	No
		140	5700	10.58	11.00	No
	802.11ax(HE40)	102	5510	10.65	11.00	No
		110	5550	10.47	11.00	No
		134	5670	10.63	11.00	No
	802.11ax(HE80)	106	5530	10.61	11.00	No
		122	5610	10.67	11.00	No
		138	5690	10.72	11.00	No
	802.11ax(HE20) (RU26)	100	5500	10.69	11.00	No
		116	5580	10.59	11.00	No
		140	5700	10.60	11.00	No
	802.11ax(HE40) (RU26)	102	5510	10.65	11.00	No
		110	5550	10.59	11.00	No
		134	5670	10.59	11.00	No
	802.11ax(HE80) (RU26)	106	5530	10.72	11.00	No
		122	5610	10.67	11.00	No
	802.11ax(HE160) (RU26)	50	5550	10.59	11.00	No
5.8 (5.725~5.850)	802.11a	149	5745	10.57	11.00	No
		157	5785	10.66	11.00	No
		165	5825	10.55	11.00	No
	802.11n(HT20)	149	5745	10.61	11.00	No

		157	5785	10.55	11.00	No
		165	5825	10.66	11.00	No
	802.11n(HT40)	151	5755	10.73	11.00	No
		159	5795	10.61	11.00	No
	802.11ac(VHT20)	149	5745	10.59	11.00	No
		157	5785	10.55	11.00	No
		165	5825	10.68	11.00	No
	802.11ac(VHT40)	151	5755	10.67	11.00	No
		159	5795	10.66	11.00	No
	802.11ac(VHT80)	155	5775	**10.78**	11.00	Yes
	802.11ax(HE20)	149	5745	10.65	11.00	No
		157	5785	10.57	11.00	No
		165	5825	10.59	11.00	No
	802.11ax(HE40)	151	5755	10.65	11.00	No
		159	5795	10.63	11.00	No
	802.11ax(HE80)	155	5775	10.59	11.00	No
	802.11ax(HE20) (RU26)	149	5745	10.60	11.00	No
		157	5785	10.59	11.00	No
		165	5825	10.52	11.00	No
	802.11ax(HE40) (RU26)	151	5755	10.60	11.00	No
		159	5795	10.63	11.00	No
	802.11ax(HE80) (RU26)	155	5775	10.71	11.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.48 5G WIFI ANT7 State4

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	8.58	9.00	No
		44	5220	8.33	9.00	No
		48	5240	8.54	9.00	No
	802.11n(HT20)	36	5180	8.30	9.00	No
		44	5220	8.43	9.00	No
		48	5240	8.39	9.00	No
	802.11n(HT40)	38	5190	8.36	9.00	No
		46	5230	8.57	9.00	No
	802.11ac(VHT20)	36	5180	8.50	9.00	No
		44	5220	8.39	9.00	No
		48	5240	8.60	9.00	No

	802.11ac(VHT40)	38	5190	8.33	9.00	No
		46	5230	8.41	9.00	No
	802.11ac(VHT80)	42	5210	**8.45**	9.00	Yes
	802.11ac(VHT160)	50	5550	8.39	9.00	No
	802.11ax(HE20)	36	5180	8.34	9.00	No
		44	5220	8.43	9.00	No
		48	5240	8.50	9.00	No
	802.11ax(HE40)	38	5190	8.51	9.00	No
		46	5230	8.36	9.00	No
	802.11ax(HE80)	42	5210	8.32	9.00	No
	802.11ax(HE20) (RU26)	36	5180	8.48	9.00	No
		44	5220	8.60	9.00	No
		48	5240	8.48	9.00	No
	802.11ax(HE40) (RU26)	38	5190	8.60	9.00	No
		46	5230	8.42	9.00	No
	802.11ax(HE80) (RU26)	42	5210	8.56	9.00	No
	802.11ax(HE160) (RU26)	50	5550	8.52	9.00	No
5.3 (5.25~5.35)	802.11a	52	5260	8.57	9.00	No
		60	5300	8.43	9.00	No
		64	5320	8.41	9.00	No
	802.11n(HT20)	52	5260	8.51	9.00	No
		60	5300	8.47	9.00	No
		64	5320	8.39	9.00	No
	802.11n(HT40)	54	5270	8.47	9.00	No
		62	5310	8.57	9.00	No
	802.11ac(VHT20)	52	5260	8.35	9.00	No
		60	5300	8.38	9.00	No
		64	5320	8.50	9.00	No
	802.11ac(VHT40)	54	5270	8.55	9.00	No
		62	5310	8.38	9.00	No
	802.11ac(VHT80)	58	5290	**8.75**	9.00	Yes
	802.11ac(VHT160)	50	5550	8.47	9.00	No
	802.11ax(HE20)	52	5260	8.30	9.00	No
		60	5300	8.54	9.00	No
		64	5320	8.47	9.00	No
	802.11ax(HE40)	54	5270	8.38	9.00	No
		62	5310	8.40	9.00	No
	802.11ax(HE80)	58	5290	8.31	9.00	No
	802.11ax(HE20) (RU26)	52	5260	8.45	9.00	No
		60	5300	8.52	9.00	No

		64	5320	8.59	9.00	No
	802.11ax(HE40) (RU26)	54	5270	8.31	9.00	No
		62	5310	8.48	9.00	No
	802.11ax(HE80) (RU26)	58	5290	8.31	9.00	No
	802.11ax(HE160) (RU26)	50	5550	8.31	9.00	No
5.6 (5.47~5.725)	802.11a	100	5500	8.57	9.00	No
		116	5580	8.48	9.00	No
		140	5700	8.41	9.00	No
	802.11n(HT20)	100	5500	8.35	9.00	No
		116	5580	8.38	9.00	No
		140	5700	8.49	9.00	No
	802.11n(HT40)	102	5510	8.36	9.00	No
		118	5590	8.51	9.00	No
		134	5670	8.58	9.00	No
	802.11ac(VHT20)	100	5500	8.37	9.00	No
		116	5580	8.34	9.00	No
		140	5700	8.52	9.00	No
	802.11ac(VHT40)	102	5510	8.39	9.00	No
		118	5590	8.47	9.00	No
		134	5670	8.58	9.00	No
	802.11ac(VHT80)	106	5530	**8.46**	9.00	Yes
		122	5690	8.43	9.00	Yes
	802.11ac(VHT160)	50	5550	8.46	9.00	No
	802.11ax(HE20)	100	5500	8.48	9.00	No
		116	5580	8.52	9.00	No
		140	5700	8.50	9.00	No
	802.11ax(HE40)	102	5510	8.30	9.00	No
		110	5550	8.55	9.00	No
		134	5670	8.53	9.00	No
	802.11ax(HE80)	106	5530	8.42	9.00	No
		122	5610	8.36	9.00	No
		138	5690	8.53	9.00	No
	802.11ax(HE20) (RU26)	100	5500	8.54	9.00	No
		116	5580	8.39	9.00	No
		140	5700	8.52	9.00	No
	802.11ax(HE40) (RU26)	102	5510	8.34	9.00	No
		110	5550	8.33	9.00	No
		134	5670	8.40	9.00	No
	802.11ax(HE80) (RU26)	106	5530	8.51	9.00	No
		122	5610	8.58	9.00	No

	802.11ax(HE160) (RU26)	50	5550	8.82	9.00	No
5.8 (5.725~5.850)	802.11a	149	5745	8.36	9.00	No
		157	5785	8.58	9.00	No
		165	5825	8.45	9.00	No
	802.11n(HT20)	149	5745	8.42	9.00	No
		157	5785	8.39	9.00	No
		165	5825	8.56	9.00	No
	802.11n(HT40)	151	5755	8.50	9.00	No
		159	5795	8.31	9.00	No
	802.11ac(VHT20)	149	5745	8.49	9.00	No
		157	5785	8.33	9.00	No
		165	5825	8.39	9.00	No
	802.11ac(VHT40)	151	5755	8.39	9.00	No
		159	5795	8.41	9.00	No
	802.11ac(VHT80)	155	5775	**8.69**	9.00	Yes
	802.11ax(HE20)	149	5745	8.32	9.00	No
		157	5785	8.58	9.00	No
		165	5825	8.52	9.00	No
	802.11ax(HE40)	151	5755	8.60	9.00	No
		159	5795	8.31	9.00	No
	802.11ax(HE80)	155	5775	8.32	9.00	No
	802.11ax(HE20) (RU26)	149	5745	8.37	9.00	No
		157	5785	8.53	9.00	No
		165	5825	8.53	9.00	No
	802.11ax(HE40) (RU26)	151	5755	8.44	9.00	No
		159	5795	8.38	9.00	No
	802.11ax(HE80) (RU26)	155	5775	8.58	9.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.49 5G WIFI ANT9 State4

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	17.69	18.00	No
		44	5220	17.90	18.00	No
		48	5240	17.69	18.00	No
	802.11n(HT20)	36	5180	17.65	18.00	No
		44	5220	17.82	18.00	No
		48	5240	17.70	18.00	No

	802.11n(HT40)	38	5190	17.74	18.00	No
		46	5230	17.82	18.00	No
	802.11ac(VHT20)	36	5180	17.90	18.00	No
		44	5220	17.74	18.00	No
		48	5240	17.77	18.00	No
	802.11ac(VHT40)	38	5190	17.71	18.00	No
		46	5230	17.64	18.00	No
	802.11ac(VHT80)	42	5210	**17.79**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.93	18.00	No
	802.11ax(HE20)	36	5180	17.65	18.00	No
		44	5220	17.91	18.00	No
		48	5240	17.70	18.00	No
	802.11ax(HE40)	38	5190	17.79	18.00	No
		46	5230	17.84	18.00	No
	802.11ax(HE80)	42	5210	17.76	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.69	18.00	No
		44	5220	17.85	18.00	No
		48	5240	17.64	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.67	18.00	No
		46	5230	17.86	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.72	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.89	18.00	No
		60	5300	17.65	18.00	No
		64	5320	17.67	18.00	No
	802.11n(HT20)	52	5260	17.64	18.00	No
		60	5300	17.87	18.00	No
		64	5320	17.77	18.00	No
	802.11n(HT40)	54	5270	17.71	18.00	No
		62	5310	17.91	18.00	No
	802.11ac(VHT20)	52	5260	17.93	18.00	No
		60	5300	17.69	18.00	No
		64	5320	17.90	18.00	No
	802.11ac(VHT40)	54	5270	17.71	18.00	No
		62	5310	17.87	18.00	No
	802.11ac(VHT80)	58	5290	**17.72**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.73	18.00	No
	802.11ax(HE20)	52	5260	17.65	18.00	No
		60	5300	17.67	18.00	No
		64	5320	17.68	18.00	No

	802.11ax(HE40)	54	5270	17.75	18.00	No
		62	5310	17.83	18.00	No
	802.11ax(HE80)	58	5290	17.70	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.72	18.00	No
		60	5300	17.93	18.00	No
		64	5320	17.79	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.77	18.00	No
		62	5310	17.68	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.83	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.82	18.00	No
		116	5580	17.82	18.00	No
		140	5700	17.87	18.00	No
	802.11n(HT20)	100	5500	17.87	18.00	No
		116	5580	17.87	18.00	No
		140	5700	17.90	18.00	No
	802.11n(HT40)	102	5510	17.87	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.85	18.00	No
	802.11ac(VHT20)	100	5500	17.89	18.00	No
		116	5580	17.88	18.00	No
		140	5700	17.72	18.00	No
	802.11ac(VHT40)	102	5510	17.89	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.67	18.00	No
	802.11ac(VHT80)	106	5530	**17.83**	18.00	Yes
		122	5690	17.75	18.00	Yes
	802.11ac(VHT160)	50	5550	17.54	18.00	No
	802.11ax(HE20)	100	5500	17.78	18.00	No
		116	5580	17.72	18.00	No
		140	5700	17.79	18.00	No
	802.11ax(HE40)	102	5510	17.68	18.00	No
		110	5550	17.76	18.00	No
		134	5670	17.93	18.00	No
	802.11ax(HE80)	106	5530	17.86	18.00	No
		122	5610	17.86	18.00	No
		138	5690	17.81	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.64	18.00	No
		116	5580	17.77	18.00	No
		140	5700	17.90	18.00	No

	802.11ax(HE40) (RU26)	102	5510	17.93	18.00	No
		110	5550	17.85	18.00	No
		134	5670	17.88	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.75	18.00	No
		122	5610	17.75	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.65	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.78	18.00	No
		157	5785	17.88	18.00	No
		165	5825	17.83	18.00	No
	802.11n(HT20)	149	5745	17.83	18.00	No
		157	5785	17.70	18.00	No
		165	5825	17.75	18.00	No
	802.11n(HT40)	151	5755	17.67	18.00	No
		159	5795	17.72	18.00	No
	802.11ac(VHT20)	149	5745	17.93	18.00	No
		157	5785	17.82	18.00	No
		165	5825	17.82	18.00	No
	802.11ac(VHT40)	151	5755	17.71	18.00	No
		159	5795	17.77	18.00	No
	802.11ac(VHT80)	155	5775	**17.65**	18.00	Yes
	802.11ax(HE20)	149	5745	17.92	18.00	No
		157	5785	17.65	18.00	No
		165	5825	17.79	18.00	No
	802.11ax(HE40)	151	5755	17.91	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80)	155	5775	17.64	18.00	No
	802.11ax(HE20) (RU26)	149	5745	17.66	18.00	No
		157	5785	17.72	18.00	No
		165	5825	17.66	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.68	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80) (RU26)	155	5775	17.76	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.50 5G WIFI MIMO State4

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2	802.11a	36	5180	11.69	12.00	No

(5.15~5.25)		44	5220	11.59	12.00	No
		48	5240	11.62	12.00	No
	802.11n(HT20)	36	5180	11.54	12.00	No
		44	5220	11.55	12.00	No
		48	5240	11.50	12.00	No
	802.11n(HT40)	38	5190	11.58	12.00	No
		46	5230	11.61	12.00	No
	802.11ac(VHT20)	36	5180	11.63	12.00	No
		44	5220	11.59	12.00	No
		48	5240	11.67	12.00	No
	802.11ac(VHT40)	38	5190	11.51	12.00	No
		46	5230	11.62	12.00	No
	802.11ac(VHT80)	42	5210	**11.57**	12.00	Yes
	802.11ac(VHT160)	50	5550	11.50	12.00	No
	802.11ax(HE20)	36	5180	11.55	12.00	No
		44	5220	11.51	12.00	No
		48	5240	11.65	12.00	No
	802.11ax(HE40)	38	5190	11.53	12.00	No
		46	5230	11.61	12.00	No
	802.11ax(HE80)	42	5210	11.50	12.00	No
	802.11ax(HE20) (RU26)	36	5180	11.64	12.00	No
		44	5220	11.66	12.00	No
		48	5240	11.63	12.00	No
	802.11ax(HE40) (RU26)	38	5190	11.61	12.00	No
		46	5230	11.52	12.00	No
	802.11ax(HE80) (RU26)	42	5210	11.56	12.00	No
	802.11ax(HE160) (RU26)	50	5550	11.62	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	11.56	12.00	No
		60	5300	11.50	12.00	No
		64	5320	11.50	12.00	No
	802.11n(HT20)	52	5260	11.54	12.00	No
		60	5300	11.65	12.00	No
		64	5320	11.55	12.00	No
	802.11n(HT40)	54	5270	11.54	12.00	No
		62	5310	11.68	12.00	No
	802.11ac(VHT20)	52	5260	11.52	12.00	No
		60	5300	11.53	12.00	No
		64	5320	11.61	12.00	No
	802.11ac(VHT40)	54	5270	11.60	12.00	No
		62	5310	11.61	12.00	No

	802.11ac(VHT80)	58	5290	**11.73**	12.00	Yes
	802.11ac(VHT160)	50	5550	11.54	12.00	No
	802.11ax(HE20)	52	5260	11.43	12.00	No
		60	5300	11.55	12.00	No
		64	5320	11.52	12.00	No
	802.11ax(HE40)	54	5270	11.54	12.00	No
		62	5310	11.53	12.00	No
	802.11ax(HE80)	58	5290	11.56	12.00	No
	802.11ax(HE20) (RU26)	52	5260	11.55	12.00	No
		60	5300	11.56	12.00	No
		64	5320	11.61	12.00	No
	802.11ax(HE40) (RU26)	54	5270	11.46	12.00	No
		62	5310	11.62	12.00	No
	802.11ax(HE80) (RU26)	58	5290	11.47	12.00	No
	802.11ax(HE160) (RU26)	50	5550	11.49	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	11.61	12.00	No
		116	5580	11.53	12.00	No
		140	5700	11.63	12.00	No
	802.11n(HT20)	100	5500	11.45	12.00	No
		116	5580	11.48	12.00	No
		140	5700	11.67	12.00	No
	802.11n(HT40)	102	5510	11.57	12.00	No
		118	5590	11.62	12.00	No
		134	5670	11.69	12.00	No
	802.11ac(VHT20)	100	5500	11.61	12.00	No
		116	5580	11.57	12.00	No
		140	5700	11.60	12.00	No
	802.11ac(VHT40)	102	5510	11.50	12.00	No
		118	5590	11.57	12.00	No
		134	5670	11.65	12.00	No
	802.11ac(VHT80)	106	5530	11.55	12.00	Yes
		122	5690	**11.60**	12.00	Yes
	802.11ac(VHT160)	50	5550	11.55	12.00	No
	802.11ax(HE20)	100	5500	11.59	12.00	No
		116	5580	11.68	12.00	No
		140	5700	11.66	12.00	No
	802.11ax(HE40)	102	5510	11.44	12.00	No
		110	5550	11.64	12.00	No
		134	5670	11.62	12.00	No
	802.11ax(HE80)	106	5530	11.60	12.00	No

		122	5610	11.56	12.00	No
		138	5690	11.59	12.00	No
	802.11ax(HE20) (RU26)	100	5500	11.63	12.00	No
		116	5580	11.50	12.00	No
		140	5700	11.58	12.00	No
	802.11ax(HE40) (RU26)	102	5510	11.49	12.00	No
		110	5550	11.53	12.00	No
		134	5670	11.50	12.00	No
	802.11ax(HE80) (RU26)	106	5530	11.53	12.00	No
		122	5610	11.62	12.00	No
	802.11ax(HE160) (RU26)	50	5550	11.70	12.00	No
5.8 (5.725~5.850)	802.11a	149	5745	11.57	12.00	No
		157	5785	11.60	12.00	No
		165	5825	11.51	12.00	No
	802.11n(HT20)	149	5745	11.59	12.00	No
		157	5785	11.51	12.00	No
		165	5825	11.58	12.00	No
	802.11n(HT40)	151	5755	11.56	12.00	No
		159	5795	11.54	12.00	No
	802.11ac(VHT20)	149	5745	11.57	12.00	No
		157	5785	11.45	12.00	No
		165	5825	11.54	12.00	No
	802.11ac(VHT40)	151	5755	11.54	12.00	No
		159	5795	11.60	12.00	No
	802.11ac(VHT80)	155	5775	**11.56**	12.00	Yes
	802.11ax(HE20)	149	5745	11.50	12.00	No
		157	5785	11.59	12.00	No
		165	5825	11.55	12.00	No
	802.11ax(HE40)	151	5755	11.70	12.00	No
		159	5795	11.51	12.00	No
	802.11ax(HE80)	155	5775	11.54	12.00	No
	802.11ax(HE20) (RU26)	149	5745	11.53	12.00	No
		157	5785	11.67	12.00	No
		165	5825	11.62	12.00	No
	802.11ax(HE40) (RU26)	151	5755	11.60	12.00	No
		159	5795	11.52	12.00	No
	802.11ax(HE80) (RU26)	155	5775	11.66	12.00	No

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

8.6.51 5G WIFI ANT7 State5

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	5.36	6.00	No
		44	5220	5.24	6.00	No
		48	5240	5.38	6.00	No
	802.11n(HT20)	36	5180	5.30	6.00	No
		44	5220	5.31	6.00	No
		48	5240	5.28	6.00	No
	802.11n(HT40)	38	5190	5.13	6.00	No
		46	5230	5.15	6.00	No
	802.11ac(VHT20)	36	5180	5.35	6.00	No
		44	5220	5.26	6.00	No
		48	5240	5.25	6.00	No
	802.11ac(VHT40)	38	5190	5.16	6.00	No
		46	5230	5.38	6.00	No
	802.11ac(VHT80)	42	5210	**5.24**	6.00	Yes
	802.11ac(VHT160)	50	5550	5.37	6.00	No
	802.11ax(HE20)	36	5180	5.16	6.00	No
		44	5220	5.09	6.00	No
		48	5240	5.25	6.00	No
	802.11ax(HE40)	38	5190	5.12	6.00	No
		46	5230	5.20	6.00	No
	802.11ax(HE80)	42	5210	5.36	6.00	No
	802.11ax(HE20) (RU26)	36	5180	5.09	6.00	No
		44	5220	5.10	6.00	No
		48	5240	5.27	6.00	No
	802.11ax(HE40) (RU26)	38	5190	5.21	6.00	No
		46	5230	5.33	6.00	No
	802.11ax(HE80) (RU26)	42	5210	5.13	6.00	No
	802.11ax(HE160) (RU26)	50	5550	5.31	6.00	No
5.3 (5.25~5.35)	802.11a	52	5260	5.17	6.00	No
		60	5300	5.24	6.00	No
		64	5320	5.34	6.00	No
	802.11n(HT20)	52	5260	5.36	6.00	No
		60	5300	5.35	6.00	No
		64	5320	5.28	6.00	No
	802.11n(HT40)	54	5270	5.11	6.00	No
		62	5310	5.26	6.00	No
	802.11ac(VHT20)	52	5260	5.09	6.00	No

		60	5300	5.24	6.00	No
		64	5320	5.27	6.00	No
	802.11ac(VHT40)	54	5270	5.19	6.00	No
		62	5310	5.09	6.00	No
	802.11ac(VHT80)	58	5290	**5.62**	6.00	Yes
	802.11ac(VHT160)	50	5550	5.21	6.00	No
	802.11ax(HE20)	52	5260	5.29	6.00	No
		60	5300	5.19	6.00	No
		64	5320	5.36	6.00	No
	802.11ax(HE40)	54	5270	5.29	6.00	No
		62	5310	5.32	6.00	No
	802.11ax(HE80)	58	5290	5.22	6.00	No
	802.11ax(HE20) (RU26)	52	5260	5.21	6.00	No
		60	5300	5.32	6.00	No
		64	5320	5.37	6.00	No
	802.11ax(HE40) (RU26)	54	5270	5.23	6.00	No
		62	5310	5.23	6.00	No
	802.11ax(HE80) (RU26)	58	5290	5.16	6.00	No
	802.11ax(HE160) (RU26)	50	5550	5.17	6.00	No
5.6 (5.47~5.725)	802.11a	100	5500	5.10	6.00	No
		116	5580	5.10	6.00	No
		140	5700	5.26	6.00	No
	802.11n(HT20)	100	5500	5.23	6.00	No
		116	5580	5.20	6.00	No
		140	5700	5.32	6.00	No
	802.11n(HT40)	102	5510	5.21	6.00	No
		118	5590	5.22	6.00	No
		134	5670	5.30	6.00	No
	802.11ac(VHT20)	100	5500	5.26	6.00	No
		116	5580	5.23	6.00	No
		140	5700	5.29	6.00	No
	802.11ac(VHT40)	102	5510	5.32	6.00	No
		118	5590	5.17	6.00	No
		134	5670	5.21	6.00	No
	802.11ac(VHT80)	106	5530	5.14	6.00	Yes
		122	5690	**5.16**	6.00	Yes
	802.11ac(VHT160)	50	5550	5.79	6.00	No
	802.11ax(HE20)	100	5500	5.33	6.00	No
		116	5580	5.32	6.00	No
		140	5700	5.21	6.00	No

	802.11ax(HE40)	102	5510	5.25	6.00	No
		110	5550	5.39	6.00	No
		134	5670	5.15	6.00	No
	802.11ax(HE80)	106	5530	5.19	6.00	No
		122	5610	5.24	6.00	No
		138	5690	5.27	6.00	No
	802.11ax(HE20) (RU26)	100	5500	5.29	6.00	No
		116	5580	5.38	6.00	No
		140	5700	5.23	6.00	No
	802.11ax(HE40) (RU26)	102	5510	5.38	6.00	No
		110	5550	5.31	6.00	No
		134	5670	5.34	6.00	No
	802.11ax(HE80) (RU26)	106	5530	5.34	6.00	No
		122	5610	5.13	6.00	No
	802.11ax(HE160) (RU26)	50	5550	5.11	6.00	No
5.8 (5.725~5.850)	802.11a	149	5745	5.15	6.00	No
		157	5785	5.11	6.00	No
		165	5825	5.26	6.00	No
	802.11n(HT20)	149	5745	5.10	6.00	No
		157	5785	5.11	6.00	No
		165	5825	5.33	6.00	No
	802.11n(HT40)	151	5755	5.30	6.00	No
		159	5795	5.38	6.00	No
	802.11ac(VHT20)	149	5745	5.20	6.00	No
		157	5785	5.24	6.00	No
		165	5825	5.39	6.00	No
	802.11ac(VHT40)	151	5755	5.09	6.00	No
		159	5795	5.29	6.00	No
	802.11ac(VHT80)	155	5775	**5.77**	6.00	Yes
	802.11ax(HE20)	149	5745	5.14	6.00	No
		157	5785	5.19	6.00	No
		165	5825	5.10	6.00	No
	802.11ax(HE40)	151	5755	5.39	6.00	No
		159	5795	5.23	6.00	No
	802.11ax(HE80)	155	5775	5.31	6.00	No
	802.11ax(HE20) (RU26)	149	5745	5.09	6.00	No
		157	5785	5.21	6.00	No
		165	5825	5.26	6.00	No
	802.11ax(HE40) (RU26)	151	5755	5.33	6.00	No
		159	5795	5.09	6.00	No
	802.11ax(HE80)	155	5775	5.27	6.00	No

	(RU26)					
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.52 5G WIFI ANT9 State5

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	17.69	18.00	No
		44	5220	17.90	18.00	No
		48	5240	17.69	18.00	No
	802.11n(HT20)	36	5180	17.65	18.00	No
		44	5220	17.82	18.00	No
		48	5240	17.70	18.00	No
	802.11n(HT40)	38	5190	17.74	18.00	No
		46	5230	17.82	18.00	No
	802.11ac(VHT20)	36	5180	17.90	18.00	No
		44	5220	17.74	18.00	No
		48	5240	17.77	18.00	No
	802.11ac(VHT40)	38	5190	17.71	18.00	No
		46	5230	17.64	18.00	No
	802.11ac(VHT80)	42	5210	**17.79**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.93	18.00	No
	802.11ax(HE20)	36	5180	17.65	18.00	No
		44	5220	17.91	18.00	No
		48	5240	17.70	18.00	No
	802.11ax(HE40)	38	5190	17.79	18.00	No
		46	5230	17.84	18.00	No
	802.11ax(HE80)	42	5210	17.76	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.69	18.00	No
		44	5220	17.85	18.00	No
		48	5240	17.64	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.67	18.00	No
		46	5230	17.86	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.72	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.89	18.00	No
		60	5300	17.65	18.00	No
		64	5320	17.67	18.00	No
	802.11n(HT20)	52	5260	17.64	18.00	No

		60	5300	17.87	18.00	No
		64	5320	17.77	18.00	No
	802.11n(HT40)	54	5270	17.71	18.00	No
		62	5310	17.91	18.00	No
	802.11ac(VHT20)	52	5260	17.93	18.00	No
		60	5300	17.69	18.00	No
		64	5320	17.90	18.00	No
	802.11ac(VHT40)	54	5270	17.71	18.00	No
		62	5310	17.87	18.00	No
	802.11ac(VHT80)	58	5290	**17.72**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.73	18.00	No
	802.11ax(HE20)	52	5260	17.65	18.00	No
		60	5300	17.67	18.00	No
		64	5320	17.68	18.00	No
	802.11ax(HE40)	54	5270	17.75	18.00	No
		62	5310	17.83	18.00	No
	802.11ax(HE80)	58	5290	17.70	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.72	18.00	No
		60	5300	17.93	18.00	No
		64	5320	17.79	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.77	18.00	No
		62	5310	17.68	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.83	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.82	18.00	No
		116	5580	17.82	18.00	No
		140	5700	17.87	18.00	No
	802.11n(HT20)	100	5500	17.87	18.00	No
		116	5580	17.87	18.00	No
		140	5700	17.90	18.00	No
	802.11n(HT40)	102	5510	17.87	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.85	18.00	No
	802.11ac(VHT20)	100	5500	17.89	18.00	No
		116	5580	17.88	18.00	No
		140	5700	17.72	18.00	No
	802.11ac(VHT40)	102	5510	17.89	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.67	18.00	No
	802.11ac(VHT80)	106	5530	**17.83**	18.00	Yes

		122	5690	17.75	18.00	Yes
	802.11ac(VHT160)	50	5550	17.54	18.00	No
	802.11ax(HE20)	100	5500	17.78	18.00	No
		116	5580	17.72	18.00	No
		140	5700	17.79	18.00	No
	802.11ax(HE40)	102	5510	17.68	18.00	No
		110	5550	17.76	18.00	No
		134	5670	17.93	18.00	No
	802.11ax(HE80)	106	5530	17.86	18.00	No
		122	5610	17.86	18.00	No
		138	5690	17.81	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.64	18.00	No
		116	5580	17.77	18.00	No
		140	5700	17.90	18.00	No
	802.11ax(HE40) (RU26)	102	5510	17.93	18.00	No
		110	5550	17.85	18.00	No
		134	5670	17.88	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.75	18.00	No
		122	5610	17.75	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.65	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.78	18.00	No
		157	5785	17.88	18.00	No
		165	5825	17.83	18.00	No
	802.11n(HT20)	149	5745	17.83	18.00	No
		157	5785	17.70	18.00	No
		165	5825	17.75	18.00	No
	802.11n(HT40)	151	5755	17.67	18.00	No
		159	5795	17.72	18.00	No
	802.11ac(VHT20)	149	5745	17.93	18.00	No
		157	5785	17.82	18.00	No
		165	5825	17.82	18.00	No
	802.11ac(VHT40)	151	5755	17.71	18.00	No
		159	5795	17.77	18.00	No
	802.11ac(VHT80)	155	5775	**17.65**	18.00	Yes
	802.11ax(HE20)	149	5745	17.92	18.00	No
		157	5785	17.65	18.00	No
		165	5825	17.79	18.00	No
	802.11ax(HE40)	151	5755	17.91	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80)	155	5775	17.64	18.00	No
	802.11ax(HE20)	149	5745	17.66	18.00	No

	(RU26)	157	5785	17.72	18.00	No
		165	5825	17.66	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.68	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80) (RU26)	155	5775	17.76	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.53 5G WIFI MIMO State5

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	8.56	9.00	No
		44	5220	8.51	9.00	No
		48	5240	8.72	9.00	No
	802.11n(HT20)	36	5180	8.64	9.00	No
		44	5220	8.66	9.00	No
		48	5240	8.55	9.00	No
	802.11n(HT40)	38	5190	8.50	9.00	No
		46	5230	8.52	9.00	No
	802.11ac(VHT20)	36	5180	8.65	9.00	No
		44	5220	8.53	9.00	No
		48	5240	8.62	9.00	No
	802.11ac(VHT40)	38	5190	8.61	9.00	No
		46	5230	8.61	9.00	No
	802.11ac(VHT80)	42	5210	**8.58**	9.00	Yes
	802.11ac(VHT160)	50	5550	8.69	9.00	No
	802.11ax(HE20)	36	5180	8.49	9.00	No
		44	5220	8.57	9.00	No
		48	5240	8.65	9.00	No
	802.11ax(HE40)	38	5190	8.50	9.00	No
		46	5230	8.58	9.00	No
	802.11ax(HE80)	42	5210	8.61	9.00	No
	802.11ax(HE20) (RU26)	36	5180	8.58	9.00	No
		44	5220	8.54	9.00	No
		48	5240	8.53	9.00	No
	802.11ax(HE40) (RU26)	38	5190	8.55	9.00	No
		46	5230	8.61	9.00	No
	802.11ax(HE80) (RU26)	42	5210	8.49	9.00	No
	802.11ax(HE160)	50	5550	8.59	9.00	No

	(RU26)					
5.3 (5.25~5.35)	802.11a	52	5260	8.59	9.00	No
		60	5300	8.52	9.00	No
		64	5320	8.69	9.00	No
	802.11n(HT20)	52	5260	8.70	9.00	No
		60	5300	8.70	9.00	No
		64	5320	8.66	9.00	No
	802.11n(HT40)	54	5270	8.52	9.00	No
		62	5310	8.52	9.00	No
	802.11ac(VHT20)	52	5260	8.45	9.00	No
		60	5300	8.61	9.00	No
		64	5320	8.54	9.00	No
	802.11ac(VHT40)	54	5270	8.53	9.00	No
		62	5310	8.54	9.00	No
	802.11ac(VHT80)	58	5290	**8.74**	9.00	Yes
	802.11ac(VHT160)	50	5550	8.49	9.00	No
	802.11ax(HE20)	52	5260	8.60	9.00	No
		60	5300	8.54	9.00	No
		64	5320	8.57	9.00	No
	802.11ax(HE40)	54	5270	8.59	9.00	No
		62	5310	8.56	9.00	No
	802.11ax(HE80)	58	5290	8.56	9.00	No
	802.11ax(HE20) (RU26)	52	5260	8.49	9.00	No
		60	5300	8.67	9.00	No
		64	5320	8.57	9.00	No
	802.11ax(HE40) (RU26)	54	5270	8.50	9.00	No
		62	5310	8.51	9.00	No
	802.11ax(HE80) (RU26)	58	5290	8.52	9.00	No
	802.11ax(HE160) (RU26)	50	5550	8.56	9.00	No
5.6 (5.47~5.725)	802.11a	100	5500	8.54	9.00	No
		116	5580	8.56	9.00	No
		140	5700	8.57	9.00	No
	802.11n(HT20)	100	5500	8.50	9.00	No
		116	5580	8.59	9.00	No
		140	5700	8.57	9.00	No
	802.11n(HT40)	102	5510	8.53	9.00	No
		118	5590	8.49	9.00	No
		134	5670	8.64	9.00	No
	802.11ac(VHT20)	100	5500	8.61	9.00	No
		116	5580	8.66	9.00	No

		140	5700	8.60	9.00	No
	802.11ac(VHT40)	102	5510	8.60	9.00	No
		118	5590	8.63	9.00	No
		134	5670	8.65	9.00	No
	802.11ac(VHT80)	106	5530	**8.59**	9.00	Yes
		122	5690	8.56	9.00	Yes
	802.11ac(VHT160)	50	5550	8.81	9.00	No
	802.11ax(HE20)	100	5500	8.57	9.00	No
		116	5580	8.58	9.00	No
		140	5700	8.49	9.00	No
	802.11ax(HE40)	102	5510	8.63	9.00	No
		110	5550	8.69	9.00	No
		134	5670	8.52	9.00	No
	802.11ax(HE80)	106	5530	8.59	9.00	No
		122	5610	8.52	9.00	No
		138	5690	8.54	9.00	No
	802.11ax(HE20) (RU26)	100	5500	8.61	9.00	No
		116	5580	8.63	9.00	No
		140	5700	8.52	9.00	No
	802.11ax(HE40) (RU26)	102	5510	8.64	9.00	No
		110	5550	8.69	9.00	No
		134	5670	8.70	9.00	No
	802.11ax(HE80) (RU26)	106	5530	8.67	9.00	No
		122	5610	8.61	9.00	No
	802.11ax(HE160) (RU26)	50	5550	8.57	9.00	No
5.8 (5.725~5.850)	802.11a	149	5745	8.62	9.00	No
		157	5785	8.53	9.00	No
		165	5825	8.61	9.00	No
	802.11n(HT20)	149	5745	8.47	9.00	No
		157	5785	8.47	9.00	No
		165	5825	8.70	9.00	No
	802.11n(HT40)	151	5755	8.58	9.00	No
		159	5795	8.57	9.00	No
	802.11ac(VHT20)	149	5745	8.60	9.00	No
		157	5785	8.54	9.00	No
		165	5825	8.73	9.00	No
	802.11ac(VHT40)	151	5755	8.48	9.00	No
		159	5795	8.61	9.00	No
	802.11ac(VHT80)	155	5775	**8.66**	9.00	Yes
	802.11ax(HE20)	149	5745	8.51	9.00	No
		157	5785	8.61	9.00	No

		165	5825	8.50	9.00	No
	802.11ax(HE40)	151	5755	8.59	9.00	No
		159	5795	8.50	9.00	No
	802.11ax(HE80)	155	5775	8.64	9.00	No
	802.11ax(HE20) (RU26)	149	5745	8.57	9.00	No
		157	5785	8.58	9.00	No
		165	5825	8.55	9.00	No
	802.11ax(HE40) (RU26)	151	5755	8.63	9.00	No
		159	5795	8.53	9.00	No
	802.11ax(HE80) (RU26)	155	5775	8.61	9.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.54 5G WIFI ANT7 State6

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	3.68	4.00	No
		44	5220	3.57	4.00	No
		48	5240	3.69	4.00	No
	802.11n(HT20)	36	5180	3.58	4.00	No
		44	5220	3.47	4.00	No
		48	5240	3.44	4.00	No
	802.11n(HT40)	38	5190	3.64	4.00	No
		46	5230	3.46	4.00	No
	802.11ac(VHT20)	36	5180	3.57	4.00	No
		44	5220	3.55	4.00	No
		48	5240	3.46	4.00	No
	802.11ac(VHT40)	38	5190	3.59	4.00	No
		46	5230	3.70	4.00	No
	802.11ac(VHT80)	42	5210	**3.58**	4.00	Yes
	802.11ac(VHT160)	50	5550	3.73	4.00	No
	802.11ax(HE20)	36	5180	3.67	4.00	No
		44	5220	3.55	4.00	No
		48	5240	3.68	4.00	No
	802.11ax(HE40)	38	5190	3.66	4.00	No
		46	5230	3.52	4.00	No
	802.11ax(HE80)	42	5210	3.53	4.00	No
	802.11ax(HE20) (RU26)	36	5180	3.67	4.00	No
		44	5220	3.57	4.00	No

		48	5240	3.69	4.00	No
	802.11ax(HE40) (RU26)	38	5190	3.44	4.00	No
		46	5230	3.48	4.00	No
	802.11ax(HE80) (RU26)	42	5210	3.52	4.00	No
	802.11ax(HE160) (RU26)	50	5550	3.59	4.00	No
5.3 (5.25~5.35)	802.11a	52	5260	3.69	4.00	No
		60	5300	3.63	4.00	No
		64	5320	3.57	4.00	No
	802.11n(HT20)	52	5260	3.71	4.00	No
		60	5300	3.69	4.00	No
		64	5320	3.64	4.00	No
	802.11n(HT40)	54	5270	3.60	4.00	No
		62	5310	3.60	4.00	No
	802.11ac(VHT20)	52	5260	3.54	4.00	No
		60	5300	3.63	4.00	No
		64	5320	3.71	4.00	No
	802.11ac(VHT40)	54	5270	3.68	4.00	No
		62	5310	3.60	4.00	No
	802.11ac(VHT80)	58	5290	**3.62**	4.00	Yes
	802.11ac(VHT160)	50	5550	3.54	4.00	No
	802.11ax(HE20)	52	5260	3.72	4.00	No
		60	5300	3.65	4.00	No
		64	5320	3.47	4.00	No
	802.11ax(HE40)	54	5270	3.49	4.00	No
		62	5310	3.68	4.00	No
	802.11ax(HE80)	58	5290	3.62	4.00	No
	802.11ax(HE20) (RU26)	52	5260	3.59	4.00	No
		60	5300	3.60	4.00	No
		64	5320	3.66	4.00	No
	802.11ax(HE40) (RU26)	54	5270	3.56	4.00	No
		62	5310	3.45	4.00	No
	802.11ax(HE80) (RU26)	58	5290	3.50	4.00	No
	802.11ax(HE160) (RU26)	50	5550	3.62	4.00	No
5.6 (5.47~5.725)	802.11a	100	5500	3.73	4.00	No
		116	5580	3.59	4.00	No
		140	5700	3.61	4.00	No
	802.11n(HT20)	100	5500	3.66	4.00	No
		116	5580	3.53	4.00	No

		140	5700	3.71	4.00	No
	802.11n(HT40)	102	5510	3.64	4.00	No
		118	5590	3.45	4.00	No
		134	5670	3.69	4.00	No
	802.11ac(VHT20)	100	5500	3.47	4.00	No
		116	5580	3.52	4.00	No
		140	5700	3.54	4.00	No
	802.11ac(VHT40)	102	5510	3.58	4.00	No
		118	5590	3.43	4.00	No
		134	5670	3.66	4.00	No
	802.11ac(VHT80)	106	5530	**3.58**	4.00	Yes
		122	5690	3.46	4.00	Yes
	802.11ac(VHT160)	50	5550	3.82	4.00	No
	802.11ax(HE20)	100	5500	3.45	4.00	No
		116	5580	3.72	4.00	No
		140	5700	3.48	4.00	No
	802.11ax(HE40)	102	5510	3.47	4.00	No
		110	5550	3.68	4.00	No
		134	5670	3.59	4.00	No
	802.11ax(HE80)	106	5530	3.71	4.00	No
		122	5610	3.55	4.00	No
		138	5690	3.54	4.00	No
	802.11ax(HE20) (RU26)	100	5500	3.62	4.00	No
		116	5580	3.53	4.00	No
		140	5700	3.71	4.00	No
	802.11ax(HE40) (RU26)	102	5510	3.62	4.00	No
		110	5550	3.49	4.00	No
		134	5670	3.58	4.00	No
	802.11ax(HE80) (RU26)	106	5530	3.56	4.00	No
		122	5610	3.46	4.00	No
	802.11ax(HE160) (RU26)	50	5550	3.64	4.00	No
5.8 (5.725~5.850)	802.11a	149	5745	3.58	4.00	No
		157	5785	3.73	4.00	No
		165	5825	3.46	4.00	No
	802.11n(HT20)	149	5745	3.64	4.00	No
		157	5785	3.64	4.00	No
		165	5825	3.60	4.00	No
	802.11n(HT40)	151	5755	3.52	4.00	No
		159	5795	3.43	4.00	No
	802.11ac(VHT20)	149	5745	3.67	4.00	No
		157	5785	3.65	4.00	No

		165	5825	3.46	4.00	No
	802.11ac(VHT40)	151	5755	3.54	4.00	No
		159	5795	3.56	4.00	No
	802.11ac(VHT80)	155	5775	**3.62**	4.00	Yes
	802.11ax(HE20)	149	5745	3.63	4.00	No
		157	5785	3.47	4.00	No
		165	5825	3.72	4.00	No
	802.11ax(HE40)	151	5755	3.62	4.00	No
		159	5795	3.63	4.00	No
	802.11ax(HE80)	155	5775	3.63	4.00	No
	802.11ax(HE20) (RU26)	149	5745	3.51	4.00	No
		157	5785	3.58	4.00	No
		165	5825	3.46	4.00	No
	802.11ax(HE40) (RU26)	151	5755	3.58	4.00	No
		159	5795	3.71	4.00	No
	802.11ax(HE80) (RU26)	155	5775	3.68	4.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.55 5G WIFI ANT9 State6

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	17.69	18.00	No
		44	5220	17.90	18.00	No
		48	5240	17.69	18.00	No
	802.11n(HT20)	36	5180	17.65	18.00	No
		44	5220	17.82	18.00	No
		48	5240	17.70	18.00	No
	802.11n(HT40)	38	5190	17.74	18.00	No
		46	5230	17.82	18.00	No
	802.11ac(VHT20)	36	5180	17.90	18.00	No
		44	5220	17.74	18.00	No
		48	5240	17.77	18.00	No
	802.11ac(VHT40)	38	5190	17.71	18.00	No
		46	5230	17.64	18.00	No
	802.11ac(VHT80)	42	5210	**17.79**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.93	18.00	No
	802.11ax(HE20)	36	5180	17.65	18.00	No
		44	5220	17.91	18.00	No

		48	5240	17.70	18.00	No
	802.11ax(HE40)	38	5190	17.79	18.00	No
		46	5230	17.84	18.00	No
	802.11ax(HE80)	42	5210	17.76	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.69	18.00	No
		44	5220	17.85	18.00	No
		48	5240	17.64	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.67	18.00	No
		46	5230	17.86	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.72	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.89	18.00	No
		60	5300	17.65	18.00	No
		64	5320	17.67	18.00	No
	802.11n(HT20)	52	5260	17.64	18.00	No
		60	5300	17.87	18.00	No
		64	5320	17.77	18.00	No
	802.11n(HT40)	54	5270	17.71	18.00	No
		62	5310	17.91	18.00	No
	802.11ac(VHT20)	52	5260	17.93	18.00	No
		60	5300	17.69	18.00	No
		64	5320	17.90	18.00	No
	802.11ac(VHT40)	54	5270	17.71	18.00	No
		62	5310	17.87	18.00	No
	802.11ac(VHT80)	58	5290	**17.72**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.73	18.00	No
	802.11ax(HE20)	52	5260	17.65	18.00	No
		60	5300	17.67	18.00	No
		64	5320	17.68	18.00	No
	802.11ax(HE40)	54	5270	17.75	18.00	No
		62	5310	17.83	18.00	No
	802.11ax(HE80)	58	5290	17.70	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.72	18.00	No
		60	5300	17.93	18.00	No
		64	5320	17.79	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.77	18.00	No
		62	5310	17.68	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.67	18.00	No
	802.11ax(HE160)	50	5550	17.83	18.00	No

	(RU26)					
5.6 (5.47~5.725)	802.11a	100	5500	17.82	18.00	No
		116	5580	17.82	18.00	No
		140	5700	17.87	18.00	No
	802.11n(HT20)	100	5500	17.87	18.00	No
		116	5580	17.87	18.00	No
		140	5700	17.90	18.00	No
	802.11n(HT40)	102	5510	17.87	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.85	18.00	No
	802.11ac(VHT20)	100	5500	17.89	18.00	No
		116	5580	17.88	18.00	No
		140	5700	17.72	18.00	No
	802.11ac(VHT40)	102	5510	17.89	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.67	18.00	No
	802.11ac(VHT80)	106	5530	**17.83**	18.00	Yes
		122	5690	17.75	18.00	Yes
	802.11ac(VHT160)	50	5550	17.54	18.00	No
	802.11ax(HE20)	100	5500	17.78	18.00	No
		116	5580	17.72	18.00	No
		140	5700	17.79	18.00	No
	802.11ax(HE40)	102	5510	17.68	18.00	No
		110	5550	17.76	18.00	No
		134	5670	17.93	18.00	No
	802.11ax(HE80)	106	5530	17.86	18.00	No
		122	5610	17.86	18.00	No
		138	5690	17.81	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.64	18.00	No
		116	5580	17.77	18.00	No
		140	5700	17.90	18.00	No
	802.11ax(HE40) (RU26)	102	5510	17.93	18.00	No
		110	5550	17.85	18.00	No
		134	5670	17.88	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.75	18.00	No
		122	5610	17.75	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.65	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.78	18.00	No
		157	5785	17.88	18.00	No
		165	5825	17.83	18.00	No
	802.11n(HT20)	149	5745	17.83	18.00	No

		157	5785	17.70	18.00	No
		165	5825	17.75	18.00	No
	802.11n(HT40)	151	5755	17.67	18.00	No
		159	5795	17.72	18.00	No
	802.11ac(VHT20)	149	5745	17.93	18.00	No
		157	5785	17.82	18.00	No
		165	5825	17.82	18.00	No
	802.11ac(VHT40)	151	5755	17.71	18.00	No
		159	5795	17.77	18.00	No
	802.11ac(VHT80)	155	5775	**17.65**	18.00	Yes
	802.11ax(HE20)	149	5745	17.92	18.00	No
		157	5785	17.65	18.00	No
		165	5825	17.79	18.00	No
	802.11ax(HE40)	151	5755	17.91	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80)	155	5775	17.64	18.00	No
	802.11ax(HE20) (RU26)	149	5745	17.66	18.00	No
		157	5785	17.72	18.00	No
		165	5825	17.66	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.68	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80) (RU26)	155	5775	17.76	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.56 5G WIFI MIMO State6

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	6.61	7.00	No
		44	5220	6.49	7.00	No
		48	5240	6.53	7.00	No
	802.11n(HT20)	36	5180	6.56	7.00	No
		44	5220	6.46	7.00	No
		48	5240	6.38	7.00	No
	802.11n(HT40)	38	5190	6.51	7.00	No
		46	5230	6.50	7.00	No
	802.11ac(VHT20)	36	5180	6.54	7.00	No
		44	5220	6.45	7.00	No
		48	5240	6.41	7.00	No

	802.11ac(VHT40)	38	5190	6.56	7.00	No
		46	5230	6.54	7.00	No
	802.11ac(VHT80)	42	5210	**6.52**	7.00	Yes
	802.11ac(VHT160)	50	5550	6.61	7.00	No
	802.11ax(HE20)	36	5180	6.56	7.00	No
		44	5220	6.57	7.00	No
		48	5240	6.56	7.00	No
	802.11ax(HE40)	38	5190	6.50	7.00	No
		46	5230	6.49	7.00	No
	802.11ax(HE80)	42	5210	6.57	7.00	No
	802.11ax(HE20) (RU26)	36	5180	6.58	7.00	No
		44	5220	6.44	7.00	No
		48	5240	6.55	7.00	No
	802.11ax(HE40) (RU26)	38	5190	6.41	7.00	No
		46	5230	6.48	7.00	No
	802.11ax(HE80) (RU26)	42	5210	6.43	7.00	No
	802.11ax(HE160) (RU26)	50	5550	6.59	7.00	No
5.3 (5.25~5.35)	802.11a	52	5260	6.63	7.00	No
		60	5300	6.52	7.00	No
		64	5320	6.54	7.00	No
	802.11n(HT20)	52	5260	6.63	7.00	No
		60	5300	6.65	7.00	No
		64	5320	6.56	7.00	No
	802.11n(HT40)	54	5270	6.58	7.00	No
		62	5310	6.59	7.00	No
	802.11ac(VHT20)	52	5260	6.49	7.00	No
		60	5300	6.59	7.00	No
		64	5320	6.60	7.00	No
	802.11ac(VHT40)	54	5270	6.59	7.00	No
		62	5310	6.47	7.00	No
	802.11ac(VHT80)	58	5290	**6.70**	7.00	Yes
	802.11ac(VHT160)	50	5550	6.56	7.00	No
	802.11ax(HE20)	52	5260	6.54	7.00	No
		60	5300	6.58	7.00	No
		64	5320	6.52	7.00	No
	802.11ax(HE40)	54	5270	6.41	7.00	No
		62	5310	6.50	7.00	No
	802.11ax(HE80)	58	5290	6.48	7.00	No
	802.11ax(HE20) (RU26)	52	5260	6.45	7.00	No
		60	5300	6.58	7.00	No

		64	5320	6.48	7.00	No
	802.11ax(HE40) (RU26)	54	5270	6.52	7.00	No
		62	5310	6.48	7.00	No
	802.11ax(HE80) (RU26)	58	5290	6.42	7.00	No
	802.11ax(HE160) (RU26)	50	5550	6.54	7.00	No
5.6 (5.47~5.725)	802.11a	100	5500	6.53	7.00	No
		116	5580	6.48	7.00	No
		140	5700	6.50	7.00	No
	802.11n(HT20)	100	5500	6.59	7.00	No
		116	5580	6.57	7.00	No
		140	5700	6.61	7.00	No
	802.11n(HT40)	102	5510	6.53	7.00	No
		118	5590	6.53	7.00	No
		134	5670	6.54	7.00	No
	802.11ac(VHT20)	100	5500	6.39	7.00	No
		116	5580	6.44	7.00	No
		140	5700	6.56	7.00	No
	802.11ac(VHT40)	102	5510	6.47	7.00	No
		118	5590	6.45	7.00	No
		134	5670	6.60	7.00	No
	802.11ac(VHT80)	106	5530	**6.45**	7.00	Yes
		122	5690	6.39	7.00	Yes
	802.11ac(VHT160)	50	5550	6.83	7.00	No
	802.11ax(HE20)	100	5500	6.39	7.00	No
		116	5580	6.54	7.00	No
		140	5700	6.51	7.00	No
	802.11ax(HE40)	102	5510	6.41	7.00	No
		110	5550	6.56	7.00	No
		134	5670	6.46	7.00	No
	802.11ax(HE80)	106	5530	6.52	7.00	No
		122	5610	6.47	7.00	No
		138	5690	6.46	7.00	No
	802.11ax(HE20) (RU26)	100	5500	6.48	7.00	No
		116	5580	6.52	7.00	No
		140	5700	6.59	7.00	No
	802.11ax(HE40) (RU26)	102	5510	6.55	7.00	No
		110	5550	6.47	7.00	No
		134	5670	6.49	7.00	No
	802.11ax(HE80) (RU26)	106	5530	6.43	7.00	No
		122	5610	6.52	7.00	No

	802.11ax(HE160) (RU26)	50	5550	6.48	7.00	No
5.8 (5.725~5.850)	802.11a	149	5745	6.53	7.00	No
		157	5785	6.66	7.00	No
		165	5825	6.48	7.00	No
	802.11n(HT20)	149	5745	6.51	7.00	No
		157	5785	6.56	7.00	No
		165	5825	6.56	7.00	No
	802.11n(HT40)	151	5755	6.48	7.00	No
		159	5795	6.50	7.00	No
	802.11ac(VHT20)	149	5745	6.55	7.00	No
		157	5785	6.50	7.00	No
		165	5825	6.44	7.00	No
	802.11ac(VHT40)	151	5755	6.54	7.00	No
		159	5795	6.46	7.00	No
	802.11ac(VHT80)	155	5775	**6.49**	7.00	Yes
	802.11ax(HE20)	149	5745	6.61	7.00	No
		157	5785	6.50	7.00	No
		165	5825	6.58	7.00	No
	802.11ax(HE40)	151	5755	6.48	7.00	No
		159	5795	6.50	7.00	No
	802.11ax(HE80)	155	5775	6.54	7.00	No
	802.11ax(HE20) (RU26)	149	5745	6.55	7.00	No
		157	5785	6.52	7.00	No
		165	5825	6.46	7.00	No
	802.11ax(HE40) (RU26)	151	5755	6.53	7.00	No
		159	5795	6.58	7.00	No
	802.11ax(HE80) (RU26)	155	5775	6.54	7.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.57 5G WIFI ANT7 State7

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	17.55	18.00	No
		44	5220	17.70	18.00	No
		48	5240	17.64	18.00	No
	802.11n(HT20)	36	5180	17.59	18.00	No
		44	5220	17.72	18.00	No
		48	5240	17.68	18.00	No

	802.11n(HT40)	38	5190	17.69	18.00	No
		46	5230	17.58	18.00	No
	802.11ac(VHT20)	36	5180	17.46	18.00	No
		44	5220	17.54	18.00	No
		48	5240	17.60	18.00	No
	802.11ac(VHT40)	38	5190	17.71	18.00	No
		46	5230	17.60	18.00	No
	802.11ac(VHT80)	42	5210	**17.58**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.38	18.00	No
	802.11ax(HE20)	36	5180	17.53	18.00	No
		44	5220	17.55	18.00	No
		48	5240	17.40	18.00	No
	802.11ax(HE40)	38	5190	17.48	18.00	No
		46	5230	17.54	18.00	No
	802.11ax(HE80)	42	5210	17.52	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.55	18.00	No
		44	5220	17.39	18.00	No
		48	5240	17.32	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.45	18.00	No
		46	5230	17.53	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.54	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.54	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.47	18.00	No
		60	5300	17.47	18.00	No
		64	5320	17.53	18.00	No
	802.11n(HT20)	52	5260	17.44	18.00	No
		60	5300	17.37	18.00	No
		64	5320	17.56	18.00	No
	802.11n(HT40)	54	5270	17.43	18.00	No
		62	5310	17.33	18.00	No
	802.11ac(VHT20)	52	5260	17.51	18.00	No
		60	5300	17.53	18.00	No
		64	5320	17.58	18.00	No
	802.11ac(VHT40)	54	5270	17.48	18.00	No
		62	5310	17.53	18.00	No
	802.11ac(VHT80)	58	5290	**17.84**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.53	18.00	No
	802.11ax(HE20)	52	5260	17.33	18.00	No
		60	5300	17.31	18.00	No
		64	5320	17.43	18.00	No

	802.11ax(HE40)	54	5270	17.36	18.00	No
		62	5310	17.43	18.00	No
	802.11ax(HE80)	58	5290	17.36	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.57	18.00	No
		60	5300	17.59	18.00	No
		64	5320	17.30	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.29	18.00	No
		62	5310	17.57	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.39	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.32	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.48	18.00	No
		116	5580	17.45	18.00	No
		140	5700	17.47	18.00	No
	802.11n(HT20)	100	5500	17.39	18.00	No
		116	5580	17.33	18.00	No
		140	5700	17.42	18.00	No
	802.11n(HT40)	102	5510	17.33	18.00	No
		118	5590	17.41	18.00	No
		134	5670	17.32	18.00	No
	802.11ac(VHT20)	100	5500	17.37	18.00	No
		116	5580	17.51	18.00	No
		140	5700	17.29	18.00	No
	802.11ac(VHT40)	102	5510	17.55	18.00	No
		118	5590	17.56	18.00	No
		134	5670	17.34	18.00	No
	802.11ac(VHT80)	106	5530	**17.42**	18.00	Yes
		122	5690	17.32	18.00	Yes
	802.11ac(VHT160)	50	5550	17.95	18.00	No
	802.11ax(HE20)	100	5500	17.52	18.00	No
		116	5580	17.59	18.00	No
		140	5700	17.59	18.00	No
	802.11ax(HE40)	102	5510	17.55	18.00	No
		110	5550	17.49	18.00	No
		134	5670	17.44	18.00	No
	802.11ax(HE80)	106	5530	17.34	18.00	No
		122	5610	17.30	18.00	No
		138	5690	17.51	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.39	18.00	No
		116	5580	17.55	18.00	No
		140	5700	17.31	18.00	No

	802.11ax(HE40) (RU26)	102	5510	17.44	18.00	No
		110	5550	17.34	18.00	No
		134	5670	17.56	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.50	18.00	No
		122	5610	17.51	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.34	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.36	18.00	No
		157	5785	17.37	18.00	No
		165	5825	17.54	18.00	No
	802.11n(HT20)	149	5745	17.47	18.00	No
		157	5785	17.41	18.00	No
		165	5825	17.46	18.00	No
	802.11n(HT40)	151	5755	17.34	18.00	No
		159	5795	17.44	18.00	No
	802.11ac(VHT20)	149	5745	17.49	18.00	No
		157	5785	17.35	18.00	No
		165	5825	17.40	18.00	No
	802.11ac(VHT40)	151	5755	17.36	18.00	No
		159	5795	17.59	18.00	No
	802.11ac(VHT80)	155	5775	**17.82**	18.00	Yes
	802.11ax(HE20)	149	5745	17.32	18.00	No
		157	5785	17.50	18.00	No
		165	5825	17.46	18.00	No
	802.11ax(HE40)	151	5755	17.56	18.00	No
		159	5795	17.44	18.00	No
	802.11ax(HE80)	155	5775	17.30	18.00	No
	802.11ax(HE20) (RU26)	149	5745	17.59	18.00	No
		157	5785	17.30	18.00	No
		165	5825	17.58	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.47	18.00	No
		159	5795	17.42	18.00	No
	802.11ax(HE80) (RU26)	155	5775	17.36	18.00	No

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

8.6.58 5G WIFI ANT9 State7

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	17.69	18.00	No
		44	5220	17.90	18.00	No
		48	5240	17.69	18.00	No
	802.11n(HT20)	36	5180	17.65	18.00	No
		44	5220	17.82	18.00	No
		48	5240	17.70	18.00	No
	802.11n(HT40)	38	5190	17.74	18.00	No
		46	5230	17.82	18.00	No
	802.11ac(VHT20)	36	5180	17.90	18.00	No
		44	5220	17.74	18.00	No
		48	5240	17.77	18.00	No
	802.11ac(VHT40)	38	5190	17.71	18.00	No
		46	5230	17.64	18.00	No
	802.11ac(VHT80)	42	5210	**17.79**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.93	18.00	No
	802.11ax(HE20)	36	5180	17.65	18.00	No
		44	5220	17.91	18.00	No
		48	5240	17.70	18.00	No
	802.11ax(HE40)	38	5190	17.79	18.00	No
		46	5230	17.84	18.00	No
	802.11ax(HE80)	42	5210	17.76	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.69	18.00	No
		44	5220	17.85	18.00	No
		48	5240	17.64	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.67	18.00	No
		46	5230	17.86	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.72	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.89	18.00	No
		60	5300	17.65	18.00	No
		64	5320	17.67	18.00	No
	802.11n(HT20)	52	5260	17.64	18.00	No
		60	5300	17.87	18.00	No
		64	5320	17.77	18.00	No
	802.11n(HT40)	54	5270	17.71	18.00	No
		62	5310	17.91	18.00	No
	802.11ac(VHT20)	52	5260	17.93	18.00	No

		60	5300	17.69	18.00	No
		64	5320	17.90	18.00	No
	802.11ac(VHT40)	54	5270	17.71	18.00	No
		62	5310	17.87	18.00	No
	802.11ac(VHT80)	58	5290	**17.72**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.73	18.00	No
	802.11ax(HE20)	52	5260	17.65	18.00	No
		60	5300	17.67	18.00	No
		64	5320	17.68	18.00	No
	802.11ax(HE40)	54	5270	17.75	18.00	No
		62	5310	17.83	18.00	No
	802.11ax(HE80)	58	5290	17.70	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.72	18.00	No
		60	5300	17.93	18.00	No
		64	5320	17.79	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.77	18.00	No
		62	5310	17.68	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.83	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.82	18.00	No
		116	5580	17.82	18.00	No
		140	5700	17.87	18.00	No
	802.11n(HT20)	100	5500	17.87	18.00	No
		116	5580	17.87	18.00	No
		140	5700	17.90	18.00	No
	802.11n(HT40)	102	5510	17.87	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.85	18.00	No
	802.11ac(VHT20)	100	5500	17.89	18.00	No
		116	5580	17.88	18.00	No
		140	5700	17.72	18.00	No
	802.11ac(VHT40)	102	5510	17.89	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.67	18.00	No
	802.11ac(VHT80)	106	5530	**17.83**	18.00	Yes
		122	5690	17.75	18.00	Yes
	802.11ac(VHT160)	50	5550	17.54	18.00	No
	802.11ax(HE20)	100	5500	17.78	18.00	No
		116	5580	17.72	18.00	No
		140	5700	17.79	18.00	No

	802.11ax(HE40)	102	5510	17.68	18.00	No
		110	5550	17.76	18.00	No
		134	5670	17.93	18.00	No
	802.11ax(HE80)	106	5530	17.86	18.00	No
		122	5610	17.86	18.00	No
		138	5690	17.81	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.64	18.00	No
		116	5580	17.77	18.00	No
		140	5700	17.90	18.00	No
	802.11ax(HE40) (RU26)	102	5510	17.93	18.00	No
		110	5550	17.85	18.00	No
		134	5670	17.88	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.75	18.00	No
		122	5610	17.75	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.65	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.78	18.00	No
		157	5785	17.88	18.00	No
		165	5825	17.83	18.00	No
	802.11n(HT20)	149	5745	17.83	18.00	No
		157	5785	17.70	18.00	No
		165	5825	17.75	18.00	No
	802.11n(HT40)	151	5755	17.67	18.00	No
		159	5795	17.72	18.00	No
	802.11ac(VHT20)	149	5745	17.93	18.00	No
		157	5785	17.82	18.00	No
		165	5825	17.82	18.00	No
	802.11ac(VHT40)	151	5755	17.71	18.00	No
		159	5795	17.77	18.00	No
	802.11ac(VHT80)	155	5775	**17.65**	18.00	Yes
	802.11ax(HE20)	149	5745	17.92	18.00	No
		157	5785	17.65	18.00	No
		165	5825	17.79	18.00	No
	802.11ax(HE40)	151	5755	17.91	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80)	155	5775	17.64	18.00	No
	802.11ax(HE20) (RU26)	149	5745	17.66	18.00	No
		157	5785	17.72	18.00	No
		165	5825	17.66	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.68	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80)	155	5775	17.76	18.00	No

	(RU26)					
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.59 5G WIFI MIMO State7

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	20.63	21.00	No
		44	5220	20.81	21.00	No
		48	5240	20.68	21.00	No
	802.11n(HT20)	36	5180	20.63	21.00	No
		44	5220	20.78	21.00	No
		48	5240	20.70	21.00	No
	802.11n(HT40)	38	5190	20.73	21.00	No
		46	5230	20.71	21.00	No
	802.11ac(VHT20)	36	5180	20.70	21.00	No
		44	5220	20.65	21.00	No
		48	5240	20.70	21.00	No
	802.11ac(VHT40)	38	5190	20.72	21.00	No
		46	5230	20.63	21.00	No
	802.11ac(VHT80)	42	5210	**20.70**	22.00	Yes
	802.11ac(VHT160)	50	5550	20.67	21.00	No
	802.11ax(HE20)	36	5180	20.60	21.00	No
		44	5220	20.74	21.00	No
		48	5240	20.56	21.00	No
	802.11ax(HE40)	38	5190	20.65	21.00	No
		46	5230	20.70	21.00	No
	802.11ax(HE80)	42	5210	20.65	21.00	No
	802.11ax(HE20) (RU26)	36	5180	20.63	21.00	No
		44	5220	20.64	21.00	No
		48	5240	20.49	21.00	No
	802.11ax(HE40) (RU26)	38	5190	20.57	21.00	No
		46	5230	20.71	21.00	No
	802.11ax(HE80) (RU26)	42	5210	20.62	21.00	No
	802.11ax(HE160) (RU26)	50	5550	20.64	21.00	No
5.3 (5.25~5.35)	802.11a	52	5260	20.70	21.00	No
		60	5300	20.57	21.00	No
		64	5320	20.61	21.00	No
	802.11n(HT20)	52	5260	20.55	21.00	No

		60	5300	20.64	21.00	No
		64	5320	20.68	21.00	No
	802.11n(HT40)	54	5270	20.58	21.00	No
		62	5310	20.64	21.00	No
	802.11ac(VHT20)	52	5260	20.74	21.00	No
		60	5300	20.62	21.00	No
		64	5320	20.75	21.00	No
	802.11ac(VHT40)	54	5270	20.63	21.00	No
		62	5310	20.71	21.00	No
	802.11ac(VHT80)	58	5290	**20.79**	21.00	Yes
	802.11ac(VHT160)	50	5550	20.64	21.00	No
	802.11ax(HE20)	52	5260	20.50	21.00	No
		60	5300	20.50	21.00	No
		64	5320	20.57	21.00	No
	802.11ax(HE40)	54	5270	20.57	21.00	No
		62	5310	20.64	21.00	No
	802.11ax(HE80)	58	5290	20.54	21.00	No
	802.11ax(HE20) (RU26)	52	5260	20.66	21.00	No
		60	5300	20.77	21.00	No
		64	5320	20.56	21.00	No
	802.11ax(HE40) (RU26)	54	5270	20.55	21.00	No
		62	5310	20.64	21.00	No
	802.11ax(HE80) (RU26)	58	5290	20.54	21.00	No
	802.11ax(HE160) (RU26)	50	5550	20.59	21.00	No
5.6 (5.47~5.725)	802.11a	100	5500	20.66	21.00	No
		116	5580	20.65	21.00	No
		140	5700	20.68	21.00	No
	802.11n(HT20)	100	5500	20.65	21.00	No
		116	5580	20.62	21.00	No
		140	5700	20.68	21.00	No
	802.11n(HT40)	102	5510	20.62	21.00	No
		118	5590	20.55	21.00	No
		134	5670	20.60	21.00	No
	802.11ac(VHT20)	100	5500	20.65	21.00	No
		116	5580	20.71	21.00	No
		140	5700	20.78	21.00	No
	802.11ac(VHT40)	102	5510	20.73	21.00	No
		118	5590	20.63	21.00	No
		134	5670	20.52	21.00	No
	802.11ac(VHT80)	106	5530	**20.64**	21.00	Yes

		122	5690	20.55	21.00	Yes
	802.11ac(VHT160)	50	5550	20.76	21.00	No
	802.11ax(HE20)	100	5500	20.66	21.00	No
		116	5580	20.67	21.00	No
		140	5700	20.70	21.00	No
	802.11ax(HE40)	102	5510	20.63	21.00	No
		110	5550	20.64	21.00	No
		134	5670	20.70	21.00	No
	802.11ax(HE80)	106	5530	20.62	21.00	No
		122	5610	20.60	21.00	No
		138	5690	20.67	21.00	No
	802.11ax(HE20) (RU26)	100	5500	20.53	21.00	No
		116	5580	20.67	21.00	No
		140	5700	20.63	21.00	No
	802.11ax(HE40) (RU26)	102	5510	20.70	14.00	No
		110	5550	20.61	14.00	No
		134	5670	20.73	14.00	No
	802.11ax(HE80) (RU26)	106	5530	20.64	14.00	No
		122	5610	20.64	14.00	No
	802.11ax(HE160) (RU26)	50	5550	20.51	14.00	No
5.8 (5.725~5.850)	802.11a	149	5745	20.59	14.00	No
		157	5785	20.64	14.00	No
		165	5825	20.70	14.00	No
	802.11n(HT20)	149	5745	20.66	14.00	No
		157	5785	20.57	14.00	No
		165	5825	20.62	14.00	No
	802.11n(HT40)	151	5755	20.52	14.00	No
		159	5795	20.59	16.00	No
	802.11ac(VHT20)	149	5745	20.73	14.00	No
		157	5785	20.60	14.00	No
		165	5825	20.63	14.00	No
	802.11ac(VHT40)	151	5755	20.55	14.00	No
		159	5795	20.69	14.00	No
	802.11ac(VHT80)	155	5775	**20.75**	14.00	Yes
	802.11ax(HE20)	149	5745	20.64	14.00	No
		157	5785	20.59	14.00	No
		165	5825	20.64	14.00	No
	802.11ax(HE40)	151	5755	20.75	14.00	No
		159	5795	20.67	14.00	No
	802.11ax(HE80)	155	5775	20.48	14.00	No
	802.11ax(HE20)	149	5745	20.64	14.00	No

	(RU26)	157	5785	20.53	14.00	No
		165	5825	20.63	14.00	No
	802.11ax(HE40) (RU26)	151	5755	20.59	14.00	No
		159	5795	20.66	14.00	No
	802.11ax(HE80) (RU26)	155	5775	20.57	14.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.60 5G WIFI ANT7 State8

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	14.55	15.50	No
		44	5220	14.60	15.50	No
		48	5240	14.66	15.50	No
	802.11n(HT20)	36	5180	14.60	15.50	No
		44	5220	14.51	15.50	No
		48	5240	14.62	15.50	No
	802.11n(HT40)	38	5190	14.39	15.50	No
		46	5230	14.42	15.50	No
	802.11ac(VHT20)	36	5180	14.62	15.50	No
		44	5220	14.48	15.50	No
		48	5240	14.49	15.50	No
	802.11ac(VHT40)	38	5190	14.49	15.50	No
		46	5230	14.59	15.50	No
	802.11ac(VHT80)	42	5210	**14.54**	15.50	Yes
	802.11ac(VHT160)	50	5550	14.62	15.50	No
	802.11ax(HE20)	36	5180	14.68	15.50	No
		44	5220	14.55	15.50	No
		48	5240	14.45	15.50	No
	802.11ax(HE40)	38	5190	14.65	15.50	No
		46	5230	14.56	15.50	No
	802.11ax(HE80)	42	5210	14.51	15.50	No
	802.11ax(HE20) (RU26)	36	5180	14.40	15.50	No
		44	5220	14.44	15.50	No
		48	5240	14.55	15.50	No
	802.11ax(HE40) (RU26)	38	5190	14.54	15.50	No
		46	5230	14.66	15.50	No
	802.11ax(HE80) (RU26)	42	5210	14.50	15.50	No
	802.11ax(HE160)	50	5550	14.39	15.50	No

	(RU26)					
5.3 (5.25~5.35)	802.11a	52	5260	14.42	15.50	No
		60	5300	14.47	15.50	No
		64	5320	14.45	15.50	No
	802.11n(HT20)	52	5260	14.54	15.50	No
		60	5300	14.52	15.50	No
		64	5320	14.62	15.50	No
	802.11n(HT40)	54	5270	14.44	15.50	No
		62	5310	14.63	15.50	No
	802.11ac(VHT20)	52	5260	14.39	15.50	No
		60	5300	14.63	15.50	No
		64	5320	14.63	15.50	No
	802.11ac(VHT40)	54	5270	14.46	15.50	No
		62	5310	14.57	15.50	No
	802.11ac(VHT80)	58	5290	**14.86**	15.50	Yes
	802.11ac(VHT160)	50	5550	14.51	15.50	No
	802.11ax(HE20)	52	5260	14.57	15.50	No
		60	5300	14.48	15.50	No
		64	5320	14.47	15.50	No
	802.11ax(HE40)	54	5270	14.41	15.50	No
		62	5310	14.54	15.50	No
	802.11ax(HE80)	58	5290	14.56	15.50	No
	802.11ax(HE20) (RU26)	52	5260	14.41	15.50	No
		60	5300	14.57	15.50	No
		64	5320	14.60	15.50	No
	802.11ax(HE40) (RU26)	54	5270	14.51	15.50	No
		62	5310	14.50	15.50	No
	802.11ax(HE80) (RU26)	58	5290	14.60	15.50	No
	802.11ax(HE160) (RU26)	50	5550	14.51	15.50	No
5.6 (5.47~5.725)	802.11a	100	5500	14.63	15.50	No
		116	5580	14.46	15.50	No
		140	5700	14.49	15.50	No
	802.11n(HT20)	100	5500	14.67	15.50	No
		116	5580	14.58	15.50	No
		140	5700	14.43	15.50	No
	802.11n(HT40)	102	5510	14.54	15.50	No
		118	5590	14.67	15.50	No
		134	5670	14.43	15.50	No
	802.11ac(VHT20)	100	5500	14.58	15.50	No
		116	5580	14.44	15.50	No

		140	5700	14.68	15.50	No
	802.11ac(VHT40)	102	5510	14.56	15.50	No
		118	5590	14.55	15.50	No
		134	5670	14.42	15.50	No
	802.11ac(VHT80)	106	5530	**14.65**	15.50	Yes
		122	5690	14.62	15.50	Yes
	802.11ac(VHT160)	50	5550	14.91	15.50	No
	802.11ax(HE20)	100	5500	14.66	15.50	No
		116	5580	14.63	15.50	No
		140	5700	14.56	15.50	No
	802.11ax(HE40)	102	5510	14.69	15.50	No
		110	5550	14.46	15.50	No
		134	5670	14.48	15.50	No
	802.11ax(HE80)	106	5530	14.68	15.50	No
		122	5610	14.39	15.50	No
		138	5690	14.55	15.50	No
	802.11ax(HE20) (RU26)	100	5500	14.52	15.50	No
		116	5580	14.56	15.50	No
		140	5700	14.56	15.50	No
	802.11ax(HE40) (RU26)	102	5510	14.43	15.50	No
		110	5550	14.66	15.50	No
		134	5670	14.68	15.50	No
	802.11ax(HE80) (RU26)	106	5530	14.58	15.50	No
		122	5610	14.62	15.50	No
	802.11ax(HE160) (RU26)	50	5550	14.69	15.50	No
5.8 (5.725~5.850)	802.11a	149	5745	14.52	15.50	No
		157	5785	14.50	15.50	No
		165	5825	14.49	15.50	No
	802.11n(HT20)	149	5745	14.63	15.50	No
		157	5785	14.61	15.50	No
		165	5825	14.68	15.50	No
	802.11n(HT40)	151	5755	14.49	15.50	No
		159	5795	14.65	15.50	No
	802.11ac(VHT20)	149	5745	14.65	15.50	No
		157	5785	14.47	15.50	No
		165	5825	14.69	15.50	No
	802.11ac(VHT40)	151	5755	14.39	15.50	No
		159	5795	14.46	15.50	No
	802.11ac(VHT80)	155	5775	**15.01**	15.50	Yes
	802.11ax(HE20)	149	5745	14.46	15.50	No
		157	5785	14.63	15.50	No

		165	5825	14.61	15.50	No
	802.11ax(HE40)	151	5755	14.58	15.50	No
		159	5795	14.50	15.50	No
	802.11ax(HE80)	155	5775	14.65	15.50	No
	802.11ax(HE20) (RU26)	149	5745	14.43	15.50	No
		157	5785	14.50	15.50	No
		165	5825	14.43	15.50	No
	802.11ax(HE40) (RU26)	151	5755	14.58	15.50	No
		159	5795	14.55	15.50	No
	802.11ax(HE80) (RU26)	155	5775	14.58	15.50	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.61 5G WIFI ANT9 State8

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	17.69	18.00	No
		44	5220	17.90	18.00	No
		48	5240	17.69	18.00	No
	802.11n(HT20)	36	5180	17.65	18.00	No
		44	5220	17.82	18.00	No
		48	5240	17.70	18.00	No
	802.11n(HT40)	38	5190	17.74	18.00	No
		46	5230	17.82	18.00	No
	802.11ac(VHT20)	36	5180	17.90	18.00	No
		44	5220	17.74	18.00	No
		48	5240	17.77	18.00	No
	802.11ac(VHT40)	38	5190	17.71	18.00	No
		46	5230	17.64	18.00	No
	802.11ac(VHT80)	42	5210	**17.79**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.93	18.00	No
	802.11ax(HE20)	36	5180	17.65	18.00	No
		44	5220	17.91	18.00	No
		48	5240	17.70	18.00	No
	802.11ax(HE40)	38	5190	17.79	18.00	No
		46	5230	17.84	18.00	No
	802.11ax(HE80)	42	5210	17.76	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.69	18.00	No
		44	5220	17.85	18.00	No

		48	5240	17.64	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.67	18.00	No
		46	5230	17.86	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.72	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.89	18.00	No
		60	5300	17.65	18.00	No
		64	5320	17.67	18.00	No
	802.11n(HT20)	52	5260	17.64	18.00	No
		60	5300	17.87	18.00	No
		64	5320	17.77	18.00	No
	802.11n(HT40)	54	5270	17.71	18.00	No
		62	5310	17.91	18.00	No
	802.11ac(VHT20)	52	5260	17.93	18.00	No
		60	5300	17.69	18.00	No
		64	5320	17.90	18.00	No
	802.11ac(VHT40)	54	5270	17.71	18.00	No
		62	5310	17.87	18.00	No
	802.11ac(VHT80)	58	5290	**17.72**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.73	18.00	No
	802.11ax(HE20)	52	5260	17.65	18.00	No
		60	5300	17.67	18.00	No
		64	5320	17.68	18.00	No
	802.11ax(HE40)	54	5270	17.75	18.00	No
		62	5310	17.83	18.00	No
	802.11ax(HE80)	58	5290	17.70	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.72	18.00	No
		60	5300	17.93	18.00	No
		64	5320	17.79	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.77	18.00	No
		62	5310	17.68	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.83	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.82	18.00	No
		116	5580	17.82	18.00	No
		140	5700	17.87	18.00	No
	802.11n(HT20)	100	5500	17.87	18.00	No
		116	5580	17.87	18.00	No

		140	5700	17.90	18.00	No
	802.11n(HT40)	102	5510	17.87	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.85	18.00	No
	802.11ac(VHT20)	100	5500	17.89	18.00	No
		116	5580	17.88	18.00	No
		140	5700	17.72	18.00	No
	802.11ac(VHT40)	102	5510	17.89	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.67	18.00	No
	802.11ac(VHT80)	106	5530	**17.83**	18.00	Yes
		122	5690	17.75	18.00	Yes
	802.11ac(VHT160)	50	5550	17.54	18.00	No
	802.11ax(HE20)	100	5500	17.78	18.00	No
		116	5580	17.72	18.00	No
		140	5700	17.79	18.00	No
	802.11ax(HE40)	102	5510	17.68	18.00	No
		110	5550	17.76	18.00	No
		134	5670	17.93	18.00	No
	802.11ax(HE80)	106	5530	17.86	18.00	No
		122	5610	17.86	18.00	No
		138	5690	17.81	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.64	18.00	No
		116	5580	17.77	18.00	No
		140	5700	17.90	18.00	No
	802.11ax(HE40) (RU26)	102	5510	17.93	18.00	No
		110	5550	17.85	18.00	No
		134	5670	17.88	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.75	18.00	No
		122	5610	17.75	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.65	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.78	18.00	No
		157	5785	17.88	18.00	No
		165	5825	17.83	18.00	No
	802.11n(HT20)	149	5745	17.83	18.00	No
		157	5785	17.70	18.00	No
		165	5825	17.75	18.00	No
	802.11n(HT40)	151	5755	17.67	18.00	No
		159	5795	17.72	18.00	No
	802.11ac(VHT20)	149	5745	17.93	18.00	No
		157	5785	17.82	18.00	No

		165	5825	17.82	18.00	No
	802.11ac(VHT40)	151	5755	17.71	18.00	No
		159	5795	17.77	18.00	No
	802.11ac(VHT80)	155	5775	**17.65**	18.00	Yes
	802.11ax(HE20)	149	5745	17.92	18.00	No
		157	5785	17.65	18.00	No
		165	5825	17.79	18.00	No
	802.11ax(HE40)	151	5755	17.91	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80)	155	5775	17.64	18.00	No
	802.11ax(HE20) (RU26)	149	5745	17.66	18.00	No
		157	5785	17.72	18.00	No
		165	5825	17.66	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.68	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80) (RU26)	155	5775	17.76	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.62 5G WIFI MIMO State8

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	17.80	18.50	No
		44	5220	17.84	18.50	No
		48	5240	17.82	18.50	No
	802.11n(HT20)	36	5180	17.87	18.50	No
		44	5220	17.84	18.50	No
		48	5240	17.91	18.50	No
	802.11n(HT40)	38	5190	17.71	18.50	No
		46	5230	17.81	18.50	No
	802.11ac(VHT20)	36	5180	17.83	18.50	No
		44	5220	17.80	18.50	No
		48	5240	17.81	18.50	No
	802.11ac(VHT40)	38	5190	17.76	18.50	No
		46	5230	17.87	18.50	No
	802.11ac(VHT80)	42	5210	**17.81**	18.50	Yes
	802.11ac(VHT160)	50	5550	17.91	18.50	No
	802.11ax(HE20)	36	5180	17.80	18.50	No
		44	5220	17.87	18.50	No

		48	5240	17.72	18.50	No
	802.11ax(HE40)	38	5190	17.79	18.50	No
		46	5230	17.86	18.50	No
	802.11ax(HE80)	42	5210	17.74	18.50	No
	802.11ax(HE20) (RU26)	36	5180	17.79	18.50	No
		44	5220	17.72	18.50	No
		48	5240	17.87	18.50	No
	802.11ax(HE40) (RU26)	38	5190	17.86	18.50	No
		46	5230	17.87	18.50	No
	802.11ax(HE80) (RU26)	42	5210	17.85	18.50	No
	802.11ax(HE160) (RU26)	50	5550	17.81	18.50	No
5.3 (5.25~5.35)	802.11a	52	5260	17.71	18.50	No
		60	5300	17.86	18.50	No
		64	5320	17.85	18.50	No
	802.11n(HT20)	52	5260	17.87	18.50	No
		60	5300	17.82	18.50	No
		64	5320	17.91	18.50	No
	802.11n(HT40)	54	5270	17.85	18.50	No
		62	5310	17.84	18.50	No
	802.11ac(VHT20)	52	5260	17.80	18.50	No
		60	5300	17.90	18.50	No
		64	5320	17.90	18.50	No
	802.11ac(VHT40)	54	5270	17.74	18.50	No
		62	5310	17.89	18.50	No
	802.11ac(VHT80)	58	5290	**17.97**	18.50	Yes
	802.11ac(VHT160)	50	5550	17.77	18.50	No
	802.11ax(HE20)	52	5260	17.82	18.50	No
		60	5300	17.87	18.50	No
		64	5320	17.81	18.50	No
	802.11ax(HE40)	54	5270	17.78	18.50	No
		62	5310	17.81	18.50	No
	802.11ax(HE80)	58	5290	17.75	18.50	No
	802.11ax(HE20) (RU26)	52	5260	17.77	18.50	No
		60	5300	17.86	18.50	No
		64	5320	17.83	18.50	No
	802.11ax(HE40) (RU26)	54	5270	17.82	18.50	No
		62	5310	17.77	18.50	No
	802.11ax(HE80) (RU26)	58	5290	17.90	18.50	No
	802.11ax(HE160)	50	5550	17.75	18.50	No

	(RU26)					
5.6 (5.47~5.725)	802.11a	100	5500	17.79	18.50	No
		116	5580	17.72	18.50	No
		140	5700	17.76	18.50	No
	802.11n(HT20)	100	5500	17.95	18.50	No
		116	5580	17.76	18.50	No
		140	5700	17.79	18.50	No
	802.11n(HT40)	102	5510	17.81	18.50	No
		118	5590	17.87	18.50	No
		134	5670	17.68	18.50	No
	802.11ac(VHT20)	100	5500	17.82	18.50	No
		116	5580	17.70	18.50	No
		140	5700	17.86	18.50	No
	802.11ac(VHT40)	102	5510	17.86	18.50	No
		118	5590	17.83	18.50	No
		134	5670	17.69	18.50	No
	802.11ac(VHT80)	106	5530	17.81	18.50	Yes
		122	5690	**17.86**	18.50	Yes
	802.11ac(VHT160)	50	5550	17.87	18.50	No
	802.11ax(HE20)	100	5500	17.93	18.50	No
		116	5580	17.88	18.50	No
		140	5700	17.84	18.50	No
	802.11ax(HE40)	102	5510	17.82	18.50	No
		110	5550	17.70	18.50	No
		134	5670	17.73	18.50	No
	802.11ax(HE80)	106	5530	17.82	18.50	No
		122	5610	17.79	18.50	No
		138	5690	17.83	18.50	No
	802.11ax(HE20) (RU26)	100	5500	17.82	18.50	No
		116	5580	17.76	18.50	No
		140	5700	17.80	18.50	No
	802.11ax(HE40) (RU26)	102	5510	17.72	18.50	No
		110	5550	17.87	18.50	No
		134	5670	17.86	18.50	No
	802.11ax(HE80) (RU26)	106	5530	17.86	18.50	No
		122	5610	17.90	18.50	No
	802.11ax(HE160) (RU26)	50	5550	17.85	18.50	No
5.8 (5.725~5.850)	802.11a	149	5745	17.82	18.50	No
		157	5785	17.82	18.50	No
		165	5825	17.72	18.50	No
	802.11n(HT20)	149	5745	17.82	18.50	No

		157	5785	17.84	18.50	No
		165	5825	17.95	18.50	No
	802.11n(HT40)	151	5755	17.78	18.50	No
		159	5795	17.90	18.50	No
	802.11ac(VHT20)	149	5745	17.93	18.50	No
		157	5785	17.78	18.50	No
		165	5825	17.86	18.50	No
	802.11ac(VHT40)	151	5755	17.74	18.50	No
		159	5795	17.78	18.50	No
	802.11ac(VHT80)	155	5775	**17.89**	18.50	Yes
	802.11ax(HE20)	149	5745	17.78	18.50	No
		157	5785	17.93	18.50	No
		165	5825	17.89	18.50	No
	802.11ax(HE40)	151	5755	17.83	18.50	No
		159	5795	17.82	18.50	No
	802.11ax(HE80)	155	5775	17.85	18.50	No
	802.11ax(HE20) (RU26)	149	5745	17.71	18.50	No
		157	5785	17.72	18.50	No
		165	5825	17.83	18.50	No
	802.11ax(HE40) (RU26)	151	5755	17.83	18.50	No
		159	5795	17.84	18.50	No
	802.11ax(HE80) (RU26)	155	5775	17.84	18.50	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.63 5G WIFI ANT7 State9

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	14.55	15.50	No
		44	5220	14.60	15.50	No
		48	5240	14.66	15.50	No
	802.11n(HT20)	36	5180	14.60	15.50	No
		44	5220	14.51	15.50	No
		48	5240	14.62	15.50	No
	802.11n(HT40)	38	5190	14.39	15.50	No
		46	5230	14.42	15.50	No
	802.11ac(VHT20)	36	5180	14.62	15.50	No
		44	5220	14.48	15.50	No
		48	5240	14.49	15.50	No

	802.11ac(VHT40)	38	5190	14.49	15.50	No
		46	5230	14.59	15.50	No
	802.11ac(VHT80)	42	5210	**14.54**	15.50	Yes
	802.11ac(VHT160)	50	5550	14.62	15.50	No
	802.11ax(HE20)	36	5180	14.68	15.50	No
		44	5220	14.55	15.50	No
		48	5240	14.45	15.50	No
	802.11ax(HE40)	38	5190	14.65	15.50	No
		46	5230	14.56	15.50	No
	802.11ax(HE80)	42	5210	14.51	15.50	No
	802.11ax(HE20) (RU26)	36	5180	14.40	15.50	No
		44	5220	14.44	15.50	No
		48	5240	14.55	15.50	No
	802.11ax(HE40) (RU26)	38	5190	14.54	15.50	No
		46	5230	14.66	15.50	No
	802.11ax(HE80) (RU26)	42	5210	14.50	15.50	No
	802.11ax(HE160) (RU26)	50	5550	14.39	15.50	No
5.3 (5.25~5.35)	802.11a	52	5260	14.42	15.50	No
		60	5300	14.47	15.50	No
		64	5320	14.45	15.50	No
	802.11n(HT20)	52	5260	14.54	15.50	No
		60	5300	14.52	15.50	No
		64	5320	14.62	15.50	No
	802.11n(HT40)	54	5270	14.44	15.50	No
		62	5310	14.63	15.50	No
	802.11ac(VHT20)	52	5260	14.39	15.50	No
		60	5300	14.63	15.50	No
		64	5320	14.63	15.50	No
	802.11ac(VHT40)	54	5270	14.46	15.50	No
		62	5310	14.57	15.50	No
	802.11ac(VHT80)	58	5290	**14.86**	15.50	Yes
	802.11ac(VHT160)	50	5550	14.51	15.50	No
	802.11ax(HE20)	52	5260	14.57	15.50	No
		60	5300	14.48	15.50	No
		64	5320	14.47	15.50	No
	802.11ax(HE40)	54	5270	14.41	15.50	No
		62	5310	14.54	15.50	No
	802.11ax(HE80)	58	5290	14.56	15.50	No
	802.11ax(HE20) (RU26)	52	5260	14.41	15.50	No
		60	5300	14.57	15.50	No

		64	5320	14.60	15.50	No
	802.11ax(HE40) (RU26)	54	5270	14.51	15.50	No
		62	5310	14.50	15.50	No
	802.11ax(HE80) (RU26)	58	5290	14.60	15.50	No
	802.11ax(HE160) (RU26)	50	5550	14.51	15.50	No
5.6 (5.47~5.725)	802.11a	100	5500	14.63	15.50	No
		116	5580	14.46	15.50	No
		140	5700	14.49	15.50	No
	802.11n(HT20)	100	5500	14.67	15.50	No
		116	5580	14.58	15.50	No
		140	5700	14.43	15.50	No
	802.11n(HT40)	102	5510	14.54	15.50	No
		118	5590	14.67	15.50	No
		134	5670	14.43	15.50	No
	802.11ac(VHT20)	100	5500	14.58	15.50	No
		116	5580	14.44	15.50	No
		140	5700	14.68	15.50	No
	802.11ac(VHT40)	102	5510	14.56	15.50	No
		118	5590	14.55	15.50	No
		134	5670	14.42	15.50	No
	802.11ac(VHT80)	106	5530	**14.65**	15.50	Yes
		122	5690	14.62	15.50	Yes
	802.11ac(VHT160)	50	5550	14.91	15.50	No
	802.11ax(HE20)	100	5500	14.66	15.50	No
		116	5580	14.63	15.50	No
		140	5700	14.56	15.50	No
	802.11ax(HE40)	102	5510	14.69	15.50	No
		110	5550	14.46	15.50	No
		134	5670	14.48	15.50	No
	802.11ax(HE80)	106	5530	14.68	15.50	No
		122	5610	14.39	15.50	No
		138	5690	14.55	15.50	No
	802.11ax(HE20) (RU26)	100	5500	14.52	15.50	No
		116	5580	14.56	15.50	No
		140	5700	14.56	15.50	No
	802.11ax(HE40) (RU26)	102	5510	14.43	15.50	No
		110	5550	14.66	15.50	No
		134	5670	14.68	15.50	No
	802.11ax(HE80) (RU26)	106	5530	14.58	15.50	No
		122	5610	14.62	15.50	No

	802.11ax(HE160) (RU26)	50	5550	14.69	15.50	No
5.8 (5.725~5.850)	802.11a	149	5745	14.52	15.50	No
		157	5785	14.50	15.50	No
		165	5825	14.49	15.50	No
	802.11n(HT20)	149	5745	14.63	15.50	No
		157	5785	14.61	15.50	No
		165	5825	14.68	15.50	No
	802.11n(HT40)	151	5755	14.49	15.50	No
		159	5795	14.65	15.50	No
	802.11ac(VHT20)	149	5745	14.65	15.50	No
		157	5785	14.47	15.50	No
		165	5825	14.69	15.50	No
	802.11ac(VHT40)	151	5755	14.39	15.50	No
		159	5795	14.46	15.50	No
	802.11ac(VHT80)	155	5775	**15.01**	15.50	Yes
	802.11ax(HE20)	149	5745	14.46	15.50	No
		157	5785	14.63	15.50	No
		165	5825	14.61	15.50	No
	802.11ax(HE40)	151	5755	14.58	15.50	No
		159	5795	14.50	15.50	No
	802.11ax(HE80)	155	5775	14.65	15.50	No
	802.11ax(HE20) (RU26)	149	5745	14.43	15.50	No
		157	5785	14.50	15.50	No
		165	5825	14.43	15.50	No
	802.11ax(HE40) (RU26)	151	5755	14.58	15.50	No
		159	5795	14.55	15.50	No
	802.11ax(HE80) (RU26)	155	5775	14.58	15.50	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.64 5G WIFI ANT9 State9

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	17.69	18.00	No
		44	5220	17.90	18.00	No
		48	5240	17.69	18.00	No
	802.11n(HT20)	36	5180	17.65	18.00	No
		44	5220	17.82	18.00	No
		48	5240	17.70	18.00	No

	802.11n(HT40)	38	5190	17.74	18.00	No
		46	5230	17.82	18.00	No
	802.11ac(VHT20)	36	5180	17.90	18.00	No
		44	5220	17.74	18.00	No
		48	5240	17.77	18.00	No
	802.11ac(VHT40)	38	5190	17.71	18.00	No
		46	5230	17.64	18.00	No
	802.11ac(VHT80)	42	5210	**17.79**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.93	18.00	No
	802.11ax(HE20)	36	5180	17.65	18.00	No
		44	5220	17.91	18.00	No
		48	5240	17.70	18.00	No
	802.11ax(HE40)	38	5190	17.79	18.00	No
		46	5230	17.84	18.00	No
	802.11ax(HE80)	42	5210	17.76	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.69	18.00	No
		44	5220	17.85	18.00	No
		48	5240	17.64	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.67	18.00	No
		46	5230	17.86	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.72	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.89	18.00	No
		60	5300	17.65	18.00	No
		64	5320	17.67	18.00	No
	802.11n(HT20)	52	5260	17.64	18.00	No
		60	5300	17.87	18.00	No
		64	5320	17.77	18.00	No
	802.11n(HT40)	54	5270	17.71	18.00	No
		62	5310	17.91	18.00	No
	802.11ac(VHT20)	52	5260	17.93	18.00	No
		60	5300	17.69	18.00	No
		64	5320	17.90	18.00	No
	802.11ac(VHT40)	54	5270	17.71	18.00	No
		62	5310	17.87	18.00	No
	802.11ac(VHT80)	58	5290	**17.72**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.73	18.00	No
	802.11ax(HE20)	52	5260	17.65	18.00	No
		60	5300	17.67	18.00	No
		64	5320	17.68	18.00	No

	802.11ax(HE40)	54	5270	17.75	18.00	No
		62	5310	17.83	18.00	No
	802.11ax(HE80)	58	5290	17.70	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.72	18.00	No
		60	5300	17.93	18.00	No
		64	5320	17.79	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.77	18.00	No
		62	5310	17.68	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.83	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.82	18.00	No
		116	5580	17.82	18.00	No
		140	5700	17.87	18.00	No
	802.11n(HT20)	100	5500	17.87	18.00	No
		116	5580	17.87	18.00	No
		140	5700	17.90	18.00	No
	802.11n(HT40)	102	5510	17.87	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.85	18.00	No
	802.11ac(VHT20)	100	5500	17.89	18.00	No
		116	5580	17.88	18.00	No
		140	5700	17.72	18.00	No
	802.11ac(VHT40)	102	5510	17.89	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.67	18.00	No
	802.11ac(VHT80)	106	5530	**17.83**	18.00	Yes
		122	5690	17.75	18.00	Yes
	802.11ac(VHT160)	50	5550	17.54	18.00	No
	802.11ax(HE20)	100	5500	17.78	18.00	No
		116	5580	17.72	18.00	No
		140	5700	17.79	18.00	No
	802.11ax(HE40)	102	5510	17.68	18.00	No
		110	5550	17.76	18.00	No
		134	5670	17.93	18.00	No
	802.11ax(HE80)	106	5530	17.86	18.00	No
		122	5610	17.86	18.00	No
		138	5690	17.81	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.64	18.00	No
		116	5580	17.77	18.00	No
		140	5700	17.90	18.00	No

	802.11ax(HE40) (RU26)	102	5510	17.93	18.00	No
		110	5550	17.85	18.00	No
		134	5670	17.88	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.75	18.00	No
		122	5610	17.75	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.65	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.78	18.00	No
		157	5785	17.88	18.00	No
		165	5825	17.83	18.00	No
	802.11n(HT20)	149	5745	17.83	18.00	No
		157	5785	17.70	18.00	No
		165	5825	17.75	18.00	No
	802.11n(HT40)	151	5755	17.67	18.00	No
		159	5795	17.72	18.00	No
	802.11ac(VHT20)	149	5745	17.93	18.00	No
		157	5785	17.82	18.00	No
		165	5825	17.82	18.00	No
	802.11ac(VHT40)	151	5755	17.71	18.00	No
		159	5795	17.77	18.00	No
	802.11ac(VHT80)	155	5775	**17.65**	18.00	Yes
	802.11ax(HE20)	149	5745	17.92	18.00	No
		157	5785	17.65	18.00	No
		165	5825	17.79	18.00	No
	802.11ax(HE40)	151	5755	17.91	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80)	155	5775	17.64	18.00	No
	802.11ax(HE20) (RU26)	149	5745	17.66	18.00	No
		157	5785	17.72	18.00	No
		165	5825	17.66	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.68	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80) (RU26)	155	5775	17.76	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.65 5G WIFI MIMO State9

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	17.80	18.50	No
		44	5220	17.84	18.50	No
		48	5240	17.82	18.50	No
	802.11n(HT20)	36	5180	17.87	18.50	No
		44	5220	17.84	18.50	No
		48	5240	17.91	18.50	No
	802.11n(HT40)	38	5190	17.71	18.50	No
		46	5230	17.81	18.50	No
	802.11ac(VHT20)	36	5180	17.83	18.50	No
		44	5220	17.80	18.50	No
		48	5240	17.81	18.50	No
	802.11ac(VHT40)	38	5190	17.76	18.50	No
		46	5230	17.87	18.50	No
	802.11ac(VHT80)	42	5210	17.81	18.50	Yes
	802.11ac(VHT160)	50	5550	17.91	18.50	No
	802.11ax(HE20)	36	5180	17.80	18.50	No
		44	5220	17.87	18.50	No
		48	5240	17.72	18.50	No
	802.11ax(HE40)	38	5190	17.79	18.50	No
		46	5230	17.86	18.50	No
	802.11ax(HE80)	42	5210	**17.74**	18.50	No
	802.11ax(HE20) (RU26)	36	5180	17.79	18.50	No
		44	5220	17.72	18.50	No
		48	5240	17.87	18.50	No
	802.11ax(HE40) (RU26)	38	5190	17.86	18.50	No
		46	5230	17.87	18.50	No
	802.11ax(HE80) (RU26)	42	5210	17.85	18.50	No
	802.11ax(HE160) (RU26)	50	5550	17.81	18.50	No
5.3 (5.25~5.35)	802.11a	52	5260	17.71	18.50	No
		60	5300	17.86	18.50	No
		64	5320	17.85	18.50	No
	802.11n(HT20)	52	5260	17.87	18.50	No
		60	5300	17.82	18.50	No
		64	5320	17.91	18.50	No
	802.11n(HT40)	54	5270	17.85	18.50	No
		62	5310	17.84	18.50	No
	802.11ac(VHT20)	52	5260	17.80	18.50	No

		60	5300	17.90	18.50	No
		64	5320	17.90	18.50	No
	802.11ac(VHT40)	54	5270	17.74	18.50	No
		62	5310	17.89	18.50	No
	802.11ac(VHT80)	58	5290	**17.97**	18.50	Yes
	802.11ac(VHT160)	50	5550	17.77	18.50	No
	802.11ax(HE20)	52	5260	17.82	18.50	No
		60	5300	17.87	18.50	No
		64	5320	17.81	18.50	No
	802.11ax(HE40)	54	5270	17.78	18.50	No
		62	5310	17.81	18.50	No
	802.11ax(HE80)	58	5290	17.75	18.50	No
	802.11ax(HE20) (RU26)	52	5260	17.77	18.50	No
		60	5300	17.86	18.50	No
		64	5320	17.83	18.50	No
	802.11ax(HE40) (RU26)	54	5270	17.82	18.50	No
		62	5310	17.77	18.50	No
	802.11ax(HE80) (RU26)	58	5290	17.90	18.50	No
	802.11ax(HE160) (RU26)	50	5550	17.75	18.50	No
5.6 (5.47~5.725)	802.11a	100	5500	17.79	18.50	No
		116	5580	17.72	18.50	No
		140	5700	17.76	18.50	No
	802.11n(HT20)	100	5500	17.95	18.50	No
		116	5580	17.76	18.50	No
		140	5700	17.79	18.50	No
	802.11n(HT40)	102	5510	17.81	18.50	No
		118	5590	17.87	18.50	No
		134	5670	17.68	18.50	No
	802.11ac(VHT20)	100	5500	17.82	18.50	No
		116	5580	17.70	18.50	No
		140	5700	17.86	18.50	No
	802.11ac(VHT40)	102	5510	17.86	18.50	No
		118	5590	17.83	18.50	No
		134	5670	17.69	18.50	No
	802.11ac(VHT80)	106	5530	17.81	18.50	Yes
		122	5690	**17.86**	18.50	Yes
	802.11ac(VHT160)	50	5550	17.87	18.50	No
	802.11ax(HE20)	100	5500	17.93	18.50	No
		116	5580	17.88	18.50	No
		140	5700	17.84	18.50	No

	802.11ax(HE40)	102	5510	17.82	18.50	No
		110	5550	17.70	18.50	No
		134	5670	17.73	18.50	No
	802.11ax(HE80)	106	5530	17.82	18.50	No
		122	5610	17.79	18.50	No
		138	5690	17.83	18.50	No
	802.11ax(HE20) (RU26)	100	5500	17.82	18.50	No
		116	5580	17.76	18.50	No
		140	5700	17.80	18.50	No
	802.11ax(HE40) (RU26)	102	5510	17.72	18.50	No
		110	5550	17.87	18.50	No
		134	5670	17.86	18.50	No
	802.11ax(HE80) (RU26)	106	5530	17.86	18.50	No
		122	5610	17.90	18.50	No
	802.11ax(HE160) (RU26)	50	5550	17.85	18.50	No
5.8 (5.725~5.850)	802.11a	149	5745	17.82	18.50	No
		157	5785	17.82	18.50	No
		165	5825	17.72	18.50	No
	802.11n(HT20)	149	5745	17.82	18.50	No
		157	5785	17.84	18.50	No
		165	5825	17.95	18.50	No
	802.11n(HT40)	151	5755	17.78	18.50	No
		159	5795	17.90	18.50	No
	802.11ac(VHT20)	149	5745	17.93	18.50	No
		157	5785	17.78	18.50	No
		165	5825	17.86	18.50	No
	802.11ac(VHT40)	151	5755	17.74	18.50	No
		159	5795	17.78	18.50	No
	802.11ac(VHT80)	155	5775	**17.89**	18.50	Yes
	802.11ax(HE20)	149	5745	17.78	18.50	No
		157	5785	17.93	18.50	No
		165	5825	17.89	18.50	No
	802.11ax(HE40)	151	5755	17.83	18.50	No
		159	5795	17.82	18.50	No
	802.11ax(HE80)	155	5775	17.85	18.50	No
	802.11ax(HE20) (RU26)	149	5745	17.71	18.50	No
		157	5785	17.72	18.50	No
		165	5825	17.83	18.50	No
	802.11ax(HE40) (RU26)	151	5755	17.83	18.50	No
		159	5795	17.84	18.50	No
	802.11ax(HE80)	155	5775	17.84	18.50	No

	(RU26)					
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.66 5G WIFI ANT9 State10

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	14.44	15.00	No
		44	5220	14.63	15.00	No
		48	5240	14.63	15.00	No
	802.11n(HT20)	36	5180	14.57	15.00	No
		44	5220	14.66	15.00	No
		48	5240	14.68	15.00	No
	802.11n(HT40)	38	5190	14.45	15.00	No
		46	5230	14.47	15.00	No
	802.11ac(VHT20)	36	5180	14.60	15.00	No
		44	5220	14.46	15.00	No
		48	5240	14.47	15.00	No
	802.11ac(VHT40)	38	5190	14.51	15.00	No
		46	5230	14.48	15.00	No
	802.11ac(VHT80)	42	5210	**14.56**	15.00	Yes
	802.11ac(VHT160)	50	5550	14.46	15.00	No
	802.11ax(HE20)	36	5180	14.69	15.00	No
		44	5220	14.62	15.00	No
		48	5240	14.59	15.00	No
	802.11ax(HE40)	38	5190	14.59	15.00	No
		46	5230	14.71	15.00	No
	802.11ax(HE80)	42	5210	14.45	15.00	No
	802.11ax(HE20) (RU26)	36	5180	14.65	15.00	No
		44	5220	14.60	15.00	No
		48	5240	14.55	15.00	No
	802.11ax(HE40) (RU26)	38	5190	14.43	15.00	No
		46	5230	14.53	15.00	No
	802.11ax(HE80) (RU26)	42	5210	14.44	15.00	No
	802.11ax(HE160) (RU26)	50	5550	14.47	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.58	15.00	**Yes**
		60	5300	14.60	15.00	**Yes**
		64	5320	14.57	15.00	**Yes**
	802.11n(HT20)	52	5260	14.51	15.00	No

		60	5300	14.55	15.00	No
		64	5320	14.49	15.00	No
	802.11n(HT40)	54	5270	14.66	15.00	No
		62	5310	14.49	15.00	No
	802.11ac(VHT20)	52	5260	14.45	15.00	No
		60	5300	14.43	15.00	No
		64	5320	14.54	15.00	No
	802.11ac(VHT40)	54	5270	14.52	15.00	No
		62	5310	14.67	15.00	No
	802.11ac(VHT80)	58	5290	**14.84**	15.00	Yes
	802.11ac(VHT160)	50	5550	14.50	15.00	No
	802.11ax(HE20)	52	5260	14.41	15.00	No
		60	5300	14.53	15.00	No
		64	5320	14.48	15.00	No
	802.11ax(HE40)	54	5270	14.59	15.00	No
		62	5310	14.62	15.00	No
	802.11ax(HE80)	58	5290	14.62	15.00	No
	802.11ax(HE20) (RU26)	52	5260	14.70	15.00	No
		60	5300	14.63	15.00	No
		64	5320	14.51	15.00	No
	802.11ax(HE40) (RU26)	54	5270	14.65	15.00	No
		62	5310	14.69	15.00	No
	802.11ax(HE80) (RU26)	58	5290	14.41	15.00	No
	802.11ax(HE160) (RU26)	50	5550	14.5	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.56	15.00	No
		116	5580	14.46	15.00	No
		140	5700	14.63	15.00	No
	802.11n(HT20)	100	5500	14.58	15.00	No
		116	5580	14.53	15.00	No
		140	5700	14.54	15.00	No
	802.11n(HT40)	102	5510	14.69	15.00	No
		118	5590	14.58	15.00	No
		134	5670	14.57	15.00	No
	802.11ac(VHT20)	100	5500	14.52	15.00	No
		116	5580	14.65	15.00	No
		140	5700	14.56	15.00	No
	802.11ac(VHT40)	102	5510	14.41	15.00	No
		118	5590	14.62	15.00	No
		134	5670	14.60	15.00	No
	802.11ac(VHT80)	106	5530	**14.55**	15.00	Yes

		122	5690	14.53	15.00	Yes
	802.11ac(VHT160)	50	5550	14.88	15.00	No
	802.11ax(HE20)	100	5500	14.51	15.00	No
		116	5580	14.57	15.00	No
		140	5700	14.67	15.00	No
	802.11ax(HE40)	102	5510	14.53	15.00	No
		110	5550	14.41	15.00	No
		134	5670	14.56	15.00	No
	802.11ax(HE80)	106	5530	14.60	15.00	No
		122	5610	14.47	15.00	No
		138	5690	14.50	15.00	No
	802.11ax(HE20) (RU26)	100	5500	14.68	15.00	No
		116	5580	14.44	15.00	No
		140	5700	14.59	15.00	No
	802.11ax(HE40) (RU26)	102	5510	14.70	15.00	No
		110	5550	14.51	15.00	No
		134	5670	14.52	15.00	No
	802.11ax(HE80) (RU26)	106	5530	14.41	15.00	No
		122	5610	14.54	15.00	No
	802.11ax(HE160) (RU26)	50	5550	14.54	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	14.71	15.00	No
		157	5785	14.50	15.00	No
		165	5825	14.47	15.00	No
	802.11n(HT20)	149	5745	14.46	15.00	No
		157	5785	14.47	15.00	No
		165	5825	14.42	15.00	No
	802.11n(HT40)	151	5755	14.69	15.00	No
		159	5795	14.49	15.00	No
	802.11ac(VHT20)	149	5745	14.69	15.00	No
		157	5785	14.56	15.00	No
		165	5825	14.65	15.00	No
	802.11ac(VHT40)	151	5755	14.61	15.00	No
		159	5795	14.64	15.00	No
	802.11ac(VHT80)	155	5775	**14.96**	15.00	Yes
	802.11ax(HE20)	149	5745	14.64	15.00	No
		157	5785	14.49	15.00	No
		165	5825	14.53	15.00	No
	802.11ax(HE40)	151	5755	14.63	15.00	No
		159	5795	14.56	15.00	No
	802.11ax(HE80)	155	5775	14.47	15.00	No
	802.11ax(HE20)	149	5745	14.52	15.00	No

	(RU26)	157	5785	14.56	15.00	No
		165	5825	14.43	15.00	No
	802.11ax(HE40) (RU26)	151	5755	14.58	15.00	No
		159	5795	14.63	15.00	No
	802.11ax(HE80) (RU26)	155	5775	14.68	15.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.67 5G WIFI-CH1-Full power ANT9

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	17.69	18.00	No
		44	5220	17.90	18.00	No
		48	5240	17.69	18.00	No
	802.11n(HT20)	36	5180	17.65	18.00	No
		44	5220	17.82	18.00	No
		48	5240	17.70	18.00	No
	802.11n(HT40)	38	5190	17.74	18.00	No
		46	5230	17.82	18.00	No
	802.11ac(VHT20)	36	5180	17.90	18.00	No
		44	5220	17.74	18.00	No
		48	5240	17.77	18.00	No
	802.11ac(VHT40)	38	5190	17.71	18.00	No
		46	5230	17.64	18.00	No
	802.11ac(VHT80)	42	5210	**17.79**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.93	18.00	No
	802.11ax(HE20)	36	5180	17.65	18.00	No
		44	5220	17.91	18.00	No
		48	5240	17.70	18.00	No
	802.11ax(HE40)	38	5190	17.79	18.00	No
		46	5230	17.84	18.00	No
	802.11ax(HE80)	42	5210	17.76	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.69	18.00	No
		44	5220	17.85	18.00	No
		48	5240	17.64	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.67	18.00	No
		46	5230	17.86	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.67	18.00	No
	802.11ax(HE160)	50	5550	17.72	18.00	No

	(RU26)					
5.3 (5.25~5.35)	802.11a	52	5260	17.89	18.00	No
		60	5300	17.65	18.00	No
		64	5320	17.67	18.00	No
	802.11n(HT20)	52	5260	17.64	18.00	No
		60	5300	17.87	18.00	No
		64	5320	17.77	18.00	No
	802.11n(HT40)	54	5270	17.71	18.00	No
		62	5310	17.91	18.00	No
	802.11ac(VHT20)	52	5260	17.93	18.00	No
		60	5300	17.69	18.00	No
		64	5320	17.90	18.00	No
	802.11ac(VHT40)	54	5270	17.71	18.00	No
		62	5310	17.87	18.00	No
	802.11ac(VHT80)	58	5290	**17.72**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.73	18.00	No
	802.11ax(HE20)	52	5260	17.65	18.00	No
		60	5300	17.67	18.00	No
		64	5320	17.68	18.00	No
	802.11ax(HE40)	54	5270	17.75	18.00	No
		62	5310	17.83	18.00	No
	802.11ax(HE80)	58	5290	17.70	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.72	18.00	No
		60	5300	17.93	18.00	No
		64	5320	17.79	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.77	18.00	No
		62	5310	17.68	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.83	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.82	18.00	No
		116	5580	17.82	18.00	No
		140	5700	17.87	18.00	No
	802.11n(HT20)	100	5500	17.87	18.00	No
		116	5580	17.87	18.00	No
		140	5700	17.90	18.00	No
	802.11n(HT40)	102	5510	17.87	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.85	18.00	No
	802.11ac(VHT20)	100	5500	17.89	18.00	No
		116	5580	17.88	18.00	No

		140	5700	17.72	18.00	No
	802.11ac(VHT40)	102	5510	17.89	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.67	18.00	No
	802.11ac(VHT80)	106	5530	**17.83**	18.00	Yes
		122	5690	17.75	18.00	Yes
	802.11ac(VHT160)	50	5550	17.54	18.00	No
	802.11ax(HE20)	100	5500	17.78	18.00	No
		116	5580	17.72	18.00	No
		140	5700	17.79	18.00	No
	802.11ax(HE40)	102	5510	17.68	18.00	No
		110	5550	17.76	18.00	No
		134	5670	17.93	18.00	No
	802.11ax(HE80)	106	5530	17.86	18.00	No
		122	5610	17.86	18.00	No
		138	5690	17.81	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.64	18.00	No
		116	5580	17.77	18.00	No
		140	5700	17.90	18.00	No
	802.11ax(HE40) (RU26)	102	5510	17.93	18.00	No
		110	5550	17.85	18.00	No
		134	5670	17.88	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.75	18.00	No
		122	5610	17.75	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.65	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.78	18.00	No
		157	5785	17.88	18.00	No
		165	5825	17.83	18.00	No
	802.11n(HT20)	149	5745	17.83	18.00	No
		157	5785	17.70	18.00	No
		165	5825	17.75	18.00	No
	802.11n(HT40)	151	5755	17.67	18.00	No
		159	5795	17.72	18.00	No
	802.11ac(VHT20)	149	5745	17.93	18.00	No
		157	5785	17.82	18.00	No
		165	5825	17.82	18.00	No
	802.11ac(VHT40)	151	5755	17.71	18.00	No
		159	5795	17.77	18.00	No
	802.11ac(VHT80)	155	5775	**17.65**	18.00	Yes
	802.11ax(HE20)	149	5745	17.92	18.00	No
		157	5785	17.65	18.00	No

		165	5825	17.79	18.00	No
	802.11ax(HE40)	151	5755	17.91	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80)	155	5775	17.64	18.00	No
	802.11ax(HE20) (RU26)	149	5745	17.66	18.00	No
		157	5785	17.72	18.00	No
		165	5825	17.66	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.68	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80) (RU26)	155	5775	17.76	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.68 5G WIFI MIMO State10

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	17.48	18.00	No
		44	5220	17.63	18.00	No
		48	5240	17.55	18.00	No
	802.11n(HT20)	36	5180	17.57	18.00	No
		44	5220	17.54	18.00	No
		48	5240	17.58	18.00	No
	802.11n(HT40)	38	5190	17.47	18.00	No
		46	5230	17.54	18.00	No
	802.11ac(VHT20)	36	5180	17.52	18.00	No
		44	5220	17.56	18.00	No
		48	5240	17.43	18.00	No
	802.11ac(VHT40)	38	5190	17.51	18.00	No
		46	5230	17.57	18.00	No
	802.11ac(VHT80)	42	5210	**17.55**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.51	18.00	No
	802.11ax(HE20)	36	5180	17.60	18.00	No
		44	5220	17.54	18.00	No
		48	5240	17.52	18.00	No
	802.11ax(HE40)	38	5190	17.62	18.00	No
		46	5230	17.61	18.00	No
	802.11ax(HE80)	42	5210	17.42	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.60	18.00	No
		44	5220	17.61	18.00	No

		48	5240	17.53	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.56	18.00	No
		46	5230	17.55	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.41	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.48	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.60	18.00	No
		60	5300	17.53	18.00	No
		64	5320	17.48	18.00	No
	802.11n(HT20)	52	5260	17.57	18.00	No
		60	5300	17.57	18.00	No
		64	5320	17.54	18.00	No
	802.11n(HT40)	54	5270	17.64	18.00	No
		62	5310	17.50	18.00	No
	802.11ac(VHT20)	52	5260	17.48	18.00	No
		60	5300	17.46	18.00	No
		64	5320	17.57	18.00	No
	802.11ac(VHT40)	54	5270	17.46	18.00	No
		62	5310	17.66	18.00	No
	802.11ac(VHT80)	58	5290	**17.70**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.45	18.00	No
	802.11ax(HE20)	52	5260	17.45	18.00	No
		60	5300	17.46	18.00	No
		64	5320	17.45	18.00	No
	802.11ax(HE40)	54	5270	17.51	18.00	No
		62	5310	17.61	18.00	No
	802.11ax(HE80)	58	5290	17.64	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.56	18.00	No
		60	5300	17.62	18.00	No
		64	5320	17.52	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.54	18.00	No
		62	5310	17.54	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.45	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.56	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.56	18.00	No
		116	5580	17.55	18.00	No
		140	5700	17.55	18.00	No
	802.11n(HT20)	100	5500	17.63	18.00	No
		116	5580	17.50	18.00	No

		140	5700	17.56	18.00	No
	802.11n(HT40)	102	5510	17.65	18.00	No
		118	5590	17.58	18.00	No
		134	5670	17.52	18.00	No
	802.11ac(VHT20)	100	5500	17.58	18.00	No
		116	5580	17.55	18.00	No
		140	5700	17.52	18.00	No
	802.11ac(VHT40)	102	5510	17.43	18.00	No
		118	5590	17.57	18.00	No
		134	5670	17.51	18.00	No
	802.11ac(VHT80)	106	5530	17.49	18.00	Yes
		122	5690	**17.53**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.63	18.00	No
	802.11ax(HE20)	100	5500	17.51	18.00	No
		116	5580	17.54	18.00	No
		140	5700	17.53	18.00	No
	802.11ax(HE40)	102	5510	17.59	18.00	No
		110	5550	17.40	18.00	No
		134	5670	17.55	18.00	No
	802.11ax(HE80)	106	5530	17.57	18.00	No
		122	5610	17.46	18.00	No
		138	5690	17.56	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.64	18.00	No
		116	5580	17.48	18.00	No
		140	5700	17.64	18.00	No
	802.11ax(HE40) (RU26)	102	5510	17.58	18.00	No
		110	5550	17.49	18.00	No
		134	5670	17.59	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.53	18.00	No
		122	5610	17.52	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.56	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.61	18.00	No
		157	5785	17.48	18.00	No
		165	5825	17.47	18.00	No
	802.11n(HT20)	149	5745	17.49	18.00	No
		157	5785	17.43	18.00	No
		165	5825	17.46	18.00	No
	802.11n(HT40)	151	5755	17.54	18.00	No
		159	5795	17.47	18.00	No
	802.11ac(VHT20)	149	5745	17.62	18.00	No
		157	5785	17.49	18.00	No

		165	5825	17.53	18.00	No
	802.11ac(VHT40)	151	5755	17.54	18.00	No
		159	5795	17.62	18.00	No
	802.11ac(VHT80)	155	5775	**17.62**	18.00	Yes
	802.11ax(HE20)	149	5745	17.62	18.00	No
		157	5785	17.57	18.00	No
		165	5825	17.50	18.00	No
	802.11ax(HE40)	151	5755	17.62	18.00	No
		159	5795	17.57	18.00	No
	802.11ax(HE80)	155	5775	17.45	18.00	No
	802.11ax(HE20) (RU26)	149	5745	17.50	18.00	No
		157	5785	17.59	18.00	No
		165	5825	17.48	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.50	18.00	No
		159	5795	17.57	18.00	No
	802.11ax(HE80) (RU26)	155	5775	17.60	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.69 5G WIFI ANT7 State11

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	11.51	12.00	No
		44	5220	11.47	12.00	No
		48	5240	11.51	12.00	No
	802.11n(HT20)	36	5180	11.52	12.00	No
		44	5220	11.40	12.00	No
		48	5240	11.34	12.00	No
	802.11n(HT40)	38	5190	11.32	12.00	No
		46	5230	11.44	12.00	No
	802.11ac(VHT20)	36	5180	11.38	12.00	No
		44	5220	11.33	12.00	No
		48	5240	11.43	12.00	No
	802.11ac(VHT40)	38	5190	11.33	12.00	No
		46	5230	11.35	12.00	No
	802.11ac(VHT80)	42	5210	**11.40**	12.00	Yes
	802.11ac(VHT160)	50	5550	11.26	12.00	No
	802.11ax(HE20)	36	5180	11.52	12.00	No
		44	5220	11.55	12.00	No

		48	5240	11.30	12.00	No
	802.11ax(HE40)	38	5190	11.51	12.00	No
		46	5230	11.26	12.00	No
	802.11ax(HE80)	42	5210	11.42	12.00	No
	802.11ax(HE20) (RU26)	36	5180	11.35	12.00	No
		44	5220	11.27	12.00	No
		48	5240	11.32	12.00	No
	802.11ax(HE40) (RU26)	38	5190	11.52	12.00	No
		46	5230	11.32	12.00	No
	802.11ax(HE80) (RU26)	42	5210	11.28	12.00	No
	802.11ax(HE160) (RU26)	50	5550	11.42	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	11.48	12.00	No
		60	5300	11.37	12.00	No
		64	5320	11.33	12.00	No
	802.11n(HT20)	52	5260	11.38	12.00	No
		60	5300	11.38	12.00	No
		64	5320	11.45	12.00	No
	802.11n(HT40)	54	5270	11.51	12.00	No
		62	5310	11.42	12.00	No
	802.11ac(VHT20)	52	5260	11.45	12.00	No
		60	5300	11.26	12.00	No
		64	5320	11.45	12.00	No
	802.11ac(VHT40)	54	5270	11.36	12.00	No
		62	5310	11.33	12.00	No
	802.11ac(VHT80)	58	5290	**11.61**	12.00	Yes
	802.11ac(VHT160)	50	5550	11.28	12.00	No
	802.11ax(HE20)	52	5260	11.40	12.00	No
		60	5300	11.52	12.00	No
		64	5320	11.49	12.00	No
	802.11ax(HE40)	54	5270	11.30	12.00	No
		62	5310	11.43	12.00	No
	802.11ax(HE80)	58	5290	11.35	12.00	No
	802.11ax(HE20) (RU26)	52	5260	11.41	12.00	No
		60	5300	11.36	12.00	No
		64	5320	11.31	12.00	No
	802.11ax(HE40) (RU26)	54	5270	11.29	12.00	No
		62	5310	11.41	12.00	No
	802.11ax(HE80) (RU26)	58	5290	11.55	12.00	No
	802.11ax(HE160)	50	5550	11.31	12.00	No

	(RU26)					
5.6 (5.47~5.725)	802.11a	100	5500	11.43	12.00	No
		116	5580	11.43	12.00	No
		140	5700	11.32	12.00	No
	802.11n(HT20)	100	5500	11.40	12.00	No
		116	5580	11.40	12.00	No
		140	5700	11.53	12.00	No
	802.11n(HT40)	102	5510	11.54	12.00	No
		118	5590	11.50	12.00	No
		134	5670	11.39	12.00	No
	802.11ac(VHT20)	100	5500	11.53	12.00	No
		116	5580	11.33	12.00	No
		140	5700	11.52	12.00	No
	802.11ac(VHT40)	102	5510	11.38	12.00	No
		118	5590	11.42	12.00	No
		134	5670	11.42	12.00	No
	802.11ac(VHT80)	106	5530	**11.42**	12.00	Yes
		122	5690	11.36	12.00	Yes
	802.11ac(VHT160)	50	5550	11.78	12.00	No
	802.11ax(HE20)	100	5500	11.27	12.00	No
		116	5580	11.30	12.00	No
		140	5700	11.27	12.00	No
	802.11ax(HE40)	102	5510	11.40	12.00	No
		110	5550	11.34	12.00	No
		134	5670	11.27	12.00	No
	802.11ax(HE80)	106	5530	11.32	12.00	No
		122	5610	11.32	12.00	No
		138	5690	11.29	12.00	No
	802.11ax(HE20) (RU26)	100	5500	11.30	12.00	No
		116	5580	11.32	12.00	No
		140	5700	11.26	12.00	No
	802.11ax(HE40) (RU26)	102	5510	11.39	12.00	No
		110	5550	11.25	12.00	No
		134	5670	11.30	12.00	No
	802.11ax(HE80) (RU26)	106	5530	11.27	12.00	No
		122	5610	11.49	12.00	No
	802.11ax(HE160) (RU26)	50	5550	11.51	12.00	No
5.8 (5.725~5.850)	802.11a	149	5745	11.29	12.00	No
		157	5785	11.48	12.00	No
		165	5825	11.44	12.00	No
	802.11n(HT20)	149	5745	11.29	12.00	No

		157	5785	11.41	12.00	No
		165	5825	11.27	12.00	No
	802.11n(HT40)	151	5755	11.33	12.00	No
		159	5795	11.33	12.00	No
	802.11ac(VHT20)	149	5745	11.40	12.00	No
		157	5785	11.27	12.00	No
		165	5825	11.45	12.00	No
	802.11ac(VHT40)	151	5755	11.39	12.00	No
		159	5795	11.31	12.00	No
	802.11ac(VHT80)	155	5775	**11.98**	12.00	Yes
	802.11ax(HE20)	149	5745	11.30	12.00	No
		157	5785	11.46	12.00	No
		165	5825	11.55	12.00	No
	802.11ax(HE40)	151	5755	11.48	12.00	No
		159	5795	11.43	12.00	No
	802.11ax(HE80)	155	5775	11.41	12.00	No
	802.11ax(HE20) (RU26)	149	5745	11.29	12.00	No
		157	5785	11.42	12.00	No
		165	5825	11.47	12.00	No
	802.11ax(HE40) (RU26)	151	5755	11.54	12.00	No
		159	5795	11.37	12.00	No
	802.11ax(HE80) (RU26)	155	5775	11.53	12.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.70 5G WIFI ANT9 State11

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	17.69	18.00	No
		44	5220	17.90	18.00	No
		48	5240	17.69	18.00	No
	802.11n(HT20)	36	5180	17.65	18.00	No
		44	5220	17.82	18.00	No
		48	5240	17.70	18.00	No
	802.11n(HT40)	38	5190	17.74	18.00	No
		46	5230	17.82	18.00	No
	802.11ac(VHT20)	36	5180	17.90	18.00	No
		44	5220	17.74	18.00	No
		48	5240	17.77	18.00	No

	802.11ac(VHT40)	38	5190	17.71	18.00	No
		46	5230	17.64	18.00	No
	802.11ac(VHT80)	42	5210	**17.79**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.93	18.00	No
	802.11ax(HE20)	36	5180	17.65	18.00	No
		44	5220	17.91	18.00	No
		48	5240	17.70	18.00	No
	802.11ax(HE40)	38	5190	17.79	18.00	No
		46	5230	17.84	18.00	No
	802.11ax(HE80)	42	5210	17.76	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.69	18.00	No
		44	5220	17.85	18.00	No
		48	5240	17.64	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.67	18.00	No
		46	5230	17.86	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.72	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.89	18.00	No
		60	5300	17.65	18.00	No
		64	5320	17.67	18.00	No
	802.11n(HT20)	52	5260	17.64	18.00	No
		60	5300	17.87	18.00	No
		64	5320	17.77	18.00	No
	802.11n(HT40)	54	5270	17.71	18.00	No
		62	5310	17.91	18.00	No
	802.11ac(VHT20)	52	5260	17.93	18.00	No
		60	5300	17.69	18.00	No
		64	5320	17.90	18.00	No
	802.11ac(VHT40)	54	5270	17.71	18.00	No
		62	5310	17.87	18.00	No
	802.11ac(VHT80)	58	5290	**17.72**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.73	18.00	No
	802.11ax(HE20)	52	5260	17.65	18.00	No
		60	5300	17.67	18.00	No
		64	5320	17.68	18.00	No
	802.11ax(HE40)	54	5270	17.75	18.00	No
		62	5310	17.83	18.00	No
	802.11ax(HE80)	58	5290	17.70	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.72	18.00	No
		60	5300	17.93	18.00	No

		64	5320	17.79	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.77	18.00	No
		62	5310	17.68	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.83	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.82	18.00	No
		116	5580	17.82	18.00	No
		140	5700	17.87	18.00	No
	802.11n(HT20)	100	5500	17.87	18.00	No
		116	5580	17.87	18.00	No
		140	5700	17.90	18.00	No
	802.11n(HT40)	102	5510	17.87	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.85	18.00	No
	802.11ac(VHT20)	100	5500	17.89	18.00	No
		116	5580	17.88	18.00	No
		140	5700	17.72	18.00	No
	802.11ac(VHT40)	102	5510	17.89	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.67	18.00	No
	802.11ac(VHT80)	106	5530	**17.83**	18.00	Yes
		122	5690	17.75	18.00	Yes
	802.11ac(VHT160)	50	5550	17.54	18.00	No
	802.11ax(HE20)	100	5500	17.78	18.00	No
		116	5580	17.72	18.00	No
		140	5700	17.79	18.00	No
	802.11ax(HE40)	102	5510	17.68	18.00	No
		110	5550	17.76	18.00	No
		134	5670	17.93	18.00	No
	802.11ax(HE80)	106	5530	17.86	18.00	No
		122	5610	17.86	18.00	No
		138	5690	17.81	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.64	18.00	No
		116	5580	17.77	18.00	No
		140	5700	17.90	18.00	No
	802.11ax(HE40) (RU26)	102	5510	17.93	18.00	No
		110	5550	17.85	18.00	No
		134	5670	17.88	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.75	18.00	No
		122	5610	17.75	18.00	No

	802.11ax(HE160) (RU26)	50	5550	17.65	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.78	18.00	No
		157	5785	17.88	18.00	No
		165	5825	17.83	18.00	No
	802.11n(HT20)	149	5745	17.83	18.00	No
		157	5785	17.70	18.00	No
		165	5825	17.75	18.00	No
	802.11n(HT40)	151	5755	17.67	18.00	No
		159	5795	17.72	18.00	No
	802.11ac(VHT20)	149	5745	17.93	18.00	No
		157	5785	17.82	18.00	No
		165	5825	17.82	18.00	No
	802.11ac(VHT40)	151	5755	17.71	18.00	No
		159	5795	17.77	18.00	No
	802.11ac(VHT80)	155	5775	**17.65**	18.00	Yes
	802.11ax(HE20)	149	5745	17.92	18.00	No
		157	5785	17.65	18.00	No
		165	5825	17.79	18.00	No
	802.11ax(HE40)	151	5755	17.91	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80)	155	5775	17.64	18.00	No
	802.11ax(HE20) (RU26)	149	5745	17.66	18.00	No
		157	5785	17.72	18.00	No
		165	5825	17.66	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.68	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80) (RU26)	155	5775	17.76	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.71 5G WIFI MIMO State11

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	14.42	15.00	No
		44	5220	14.53	15.00	No
		48	5240	14.53	15.00	No
	802.11n(HT20)	36	5180	14.50	15.00	No
		44	5220	14.36	15.00	No
		48	5240	14.47	15.00	No

	802.11n(HT40)	38	5190	14.32	15.00	No
		46	5230	14.49	15.00	No
	802.11ac(VHT20)	36	5180	14.39	15.00	No
		44	5220	14.31	15.00	No
		48	5240	14.39	15.00	No
	802.11ac(VHT40)	38	5190	14.46	15.00	No
		46	5230	14.39	15.00	No
	802.11ac(VHT80)	42	5210	**14.42**	15.00	Yes
	802.11ac(VHT160)	50	5550	14.40	15.00	No
	802.11ax(HE20)	36	5180	14.45	15.00	No
		44	5220	14.57	15.00	No
		48	5240	14.36	15.00	No
	802.11ax(HE40)	38	5190	14.48	15.00	No
		46	5230	14.29	15.00	No
	802.11ax(HE80)	42	5210	14.39	15.00	No
	802.11ax(HE20) (RU26)	36	5180	14.46	15.00	No
		44	5220	14.36	15.00	No
		48	5240	14.34	15.00	No
	802.11ax(HE40) (RU26)	38	5190	14.49	15.00	No
		46	5230	14.41	15.00	No
	802.11ax(HE80) (RU26)	42	5210	14.29	15.00	No
	802.11ax(HE160) (RU26)	50	5550	14.51	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.43	15.00	No
		60	5300	14.45	15.00	No
		64	5320	14.45	15.00	No
	802.11n(HT20)	52	5260	14.46	15.00	No
		60	5300	14.45	15.00	No
		64	5320	14.51	15.00	No
	802.11n(HT40)	54	5270	14.51	15.00	No
		62	5310	14.50	15.00	No
	802.11ac(VHT20)	52	5260	14.50	15.00	No
		60	5300	14.38	15.00	No
		64	5320	14.40	15.00	No
	802.11ac(VHT40)	54	5270	14.43	15.00	No
		62	5310	14.37	15.00	No
	802.11ac(VHT80)	58	5290	**14.57**	15.00	Yes
	802.11ac(VHT160)	50	5550	14.35	15.00	No
	802.11ax(HE20)	52	5260	14.37	15.00	No
		60	5300	14.43	15.00	No
		64	5320	14.39	15.00	No

	802.11ax(HE40)	54	5270	14.30	15.00	No
		62	5310	14.51	15.00	No
	802.11ax(HE80)	58	5290	14.43	15.00	No
	802.11ax(HE20) (RU26)	52	5260	14.43	15.00	No
		60	5300	14.42	15.00	No
		64	5320	14.35	15.00	No
	802.11ax(HE40) (RU26)	54	5270	14.31	15.00	No
		62	5310	14.48	15.00	No
	802.11ax(HE80) (RU26)	58	5290	14.55	15.00	No
	802.11ax(HE160) (RU26)	50	5550	14.38	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.50	15.00	No
		116	5580	14.42	15.00	No
		140	5700	14.39	15.00	No
	802.11n(HT20)	100	5500	14.39	15.00	No
		116	5580	14.43	15.00	No
		140	5700	14.55	15.00	No
	802.11n(HT40)	102	5510	14.46	15.00	No
		118	5590	14.41	15.00	No
		134	5670	14.42	15.00	No
	802.11ac(VHT20)	100	5500	14.47	15.00	No
		116	5580	14.46	15.00	No
		140	5700	14.55	15.00	No
	802.11ac(VHT40)	102	5510	14.47	15.00	No
		118	5590	14.47	15.00	No
		134	5670	14.51	15.00	No
	802.11ac(VHT80)	106	5530	14.38	15.00	Yes
		122	5690	**14.39**	15.00	Yes
	802.11ac(VHT160)	50	5550	14.67	15.00	No
	802.11ax(HE20)	100	5500	14.29	15.00	No
		116	5580	14.32	15.00	No
		140	5700	14.30	15.00	No
	802.11ax(HE40)	102	5510	14.50	15.00	No
		110	5550	14.35	15.00	No
		134	5670	14.34	15.00	No
	802.11ax(HE80)	106	5530	14.41	15.00	No
		122	5610	14.40	15.00	No
		138	5690	14.41	15.00	No
	802.11ax(HE20) (RU26)	100	5500	14.33	15.00	No
		116	5580	14.44	15.00	No
		140	5700	14.33	15.00	No

	802.11ax(HE40) (RU26)	102	5510	14.44	15.00	No
		110	5550	14.38	15.00	No
		134	5670	14.42	15.00	No
	802.11ax(HE80) (RU26)	106	5530	14.42	15.00	No
		122	5610	14.43	15.00	No
	802.11ax(HE160) (RU26)	50	5550	14.49	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	14.35	15.00	No
		157	5785	14.46	15.00	No
		165	5825	14.49	15.00	No
	802.11n(HT20)	149	5745	14.32	15.00	No
		157	5785	14.36	15.00	No
		165	5825	14.40	15.00	No
	802.11n(HT40)	151	5755	14.39	15.00	No
		159	5795	14.46	15.00	No
	802.11ac(VHT20)	149	5745	14.39	15.00	No
		157	5785	14.41	15.00	No
		165	5825	14.48	15.00	No
	802.11ac(VHT40)	151	5755	14.34	15.00	No
		159	5795	14.31	15.00	No
	802.11ac(VHT80)	155	5775	**14.60**	15.00	Yes
	802.11ax(HE20)	149	5745	14.44	15.00	No
		157	5785	14.48	15.00	No
		165	5825	14.50	15.00	No
	802.11ax(HE40)	151	5755	14.52	15.00	No
		159	5795	14.42	15.00	No
	802.11ax(HE80)	155	5775	14.38	15.00	No
	802.11ax(HE20) (RU26)	149	5745	14.42	15.00	No
		157	5785	14.45	15.00	No
		165	5825	14.50	15.00	No
	802.11ax(HE40) (RU26)	151	5755	14.56	15.00	No
		159	5795	14.46	15.00	No
	802.11ax(HE80) (RU26)	155	5775	14.54	15.00	No

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

8.6.72 5G WIFI ANT7 State12

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	11.51	12.00	No
		44	5220	11.47	12.00	No
		48	5240	11.51	12.00	No
	802.11n(HT20)	36	5180	11.52	12.00	No
		44	5220	11.40	12.00	No
		48	5240	11.34	12.00	No
	802.11n(HT40)	38	5190	11.32	12.00	No
		46	5230	11.44	12.00	No
	802.11ac(VHT20)	36	5180	11.38	12.00	No
		44	5220	11.33	12.00	No
		48	5240	11.43	12.00	No
	802.11ac(VHT40)	38	5190	11.33	12.00	No
		46	5230	11.35	12.00	No
	802.11ac(VHT80)	42	5210	**11.40**	12.00	Yes
	802.11ac(VHT160)	50	5550	11.26	12.00	No
	802.11ax(HE20)	36	5180	11.52	12.00	No
		44	5220	11.55	12.00	No
		48	5240	11.30	12.00	No
	802.11ax(HE40)	38	5190	11.51	12.00	No
		46	5230	11.26	12.00	No
	802.11ax(HE80)	42	5210	11.42	12.00	No
	802.11ax(HE20) (RU26)	36	5180	11.35	12.00	No
		44	5220	11.27	12.00	No
		48	5240	11.32	12.00	No
	802.11ax(HE40) (RU26)	38	5190	11.52	12.00	No
		46	5230	11.32	12.00	No
	802.11ax(HE80) (RU26)	42	5210	11.28	12.00	No
	802.11ax(HE160) (RU26)	50	5550	11.42	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	11.48	12.00	No
		60	5300	11.37	12.00	No
		64	5320	11.33	12.00	No
	802.11n(HT20)	52	5260	11.38	12.00	No
		60	5300	11.38	12.00	No
		64	5320	11.45	12.00	No
	802.11n(HT40)	54	5270	11.51	12.00	No
		62	5310	11.42	12.00	No
	802.11ac(VHT20)	52	5260	11.45	12.00	No

		60	5300	11.26	12.00	No
		64	5320	11.45	12.00	No
	802.11ac(VHT40)	54	5270	11.36	12.00	No
		62	5310	11.33	12.00	No
	802.11ac(VHT80)	58	5290	**11.61**	12.00	Yes
	802.11ac(VHT160)	50	5550	11.28	12.00	No
	802.11ax(HE20)	52	5260	11.40	12.00	No
		60	5300	11.52	12.00	No
		64	5320	11.49	12.00	No
	802.11ax(HE40)	54	5270	11.30	12.00	No
		62	5310	11.43	12.00	No
	802.11ax(HE80)	58	5290	11.35	12.00	No
	802.11ax(HE20) (RU26)	52	5260	11.41	12.00	No
		60	5300	11.36	12.00	No
		64	5320	11.31	12.00	No
	802.11ax(HE40) (RU26)	54	5270	11.29	12.00	No
		62	5310	11.41	12.00	No
	802.11ax(HE80) (RU26)	58	5290	11.55	12.00	No
	802.11ax(HE160) (RU26)	50	5550	11.31	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	11.43	12.00	No
		116	5580	11.43	12.00	No
		140	5700	11.32	12.00	No
	802.11n(HT20)	100	5500	11.40	12.00	No
		116	5580	11.40	12.00	No
		140	5700	11.53	12.00	No
	802.11n(HT40)	102	5510	11.54	12.00	No
		118	5590	11.50	12.00	No
		134	5670	11.39	12.00	No
	802.11ac(VHT20)	100	5500	11.53	12.00	No
		116	5580	11.33	12.00	No
		140	5700	11.52	12.00	No
	802.11ac(VHT40)	102	5510	11.38	12.00	No
		118	5590	11.42	12.00	No
		134	5670	11.42	12.00	No
	802.11ac(VHT80)	106	5530	**11.42**	12.00	Yes
		122	5690	11.36	12.00	Yes
	802.11ac(VHT160)	50	5550	11.78	12.00	No
	802.11ax(HE20)	100	5500	11.27	12.00	No
		116	5580	11.30	12.00	No
		140	5700	11.27	12.00	No

	802.11ax(HE40)	102	5510	11.40	12.00	No
		110	5550	11.34	12.00	No
		134	5670	11.27	12.00	No
	802.11ax(HE80)	106	5530	11.32	12.00	No
		122	5610	11.32	12.00	No
		138	5690	11.29	12.00	No
	802.11ax(HE20) (RU26)	100	5500	11.30	12.00	No
		116	5580	11.32	12.00	No
		140	5700	11.26	12.00	No
	802.11ax(HE40) (RU26)	102	5510	11.39	12.00	No
		110	5550	11.25	12.00	No
		134	5670	11.30	12.00	No
	802.11ax(HE80) (RU26)	106	5530	11.27	12.00	No
		122	5610	11.49	12.00	No
	802.11ax(HE160) (RU26)	50	5550	11.51	12.00	No
5.8 (5.725~5.850)	802.11a	149	5745	11.29	12.00	No
		157	5785	11.48	12.00	No
		165	5825	11.44	12.00	No
	802.11n(HT20)	149	5745	11.29	12.00	No
		157	5785	11.41	12.00	No
		165	5825	11.27	12.00	No
	802.11n(HT40)	151	5755	11.33	12.00	No
		159	5795	11.33	12.00	No
	802.11ac(VHT20)	149	5745	11.40	12.00	No
		157	5785	11.27	12.00	No
		165	5825	11.45	12.00	No
	802.11ac(VHT40)	151	5755	11.39	12.00	No
		159	5795	11.31	12.00	No
	802.11ac(VHT80)	155	5775	**11.98**	12.00	Yes
	802.11ax(HE20)	149	5745	11.30	12.00	No
		157	5785	11.46	12.00	No
		165	5825	11.55	12.00	No
	802.11ax(HE40)	151	5755	11.48	12.00	No
		159	5795	11.43	12.00	No
	802.11ax(HE80)	155	5775	11.41	12.00	No
	802.11ax(HE20) (RU26)	149	5745	11.29	12.00	No
		157	5785	11.42	12.00	No
		165	5825	11.47	12.00	No
	802.11ax(HE40) (RU26)	151	5755	11.54	12.00	No
		159	5795	11.37	12.00	No
	802.11ax(HE80)	155	5775	11.53	12.00	No

	(RU26)					
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.73 5G WIFI ANT9 State12

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	17.69	18.00	No
		44	5220	17.90	18.00	No
		48	5240	17.69	18.00	No
	802.11n(HT20)	36	5180	17.65	18.00	No
		44	5220	17.82	18.00	No
		48	5240	17.70	18.00	No
	802.11n(HT40)	38	5190	17.74	18.00	No
		46	5230	17.82	18.00	No
	802.11ac(VHT20)	36	5180	17.90	18.00	No
		44	5220	17.74	18.00	No
		48	5240	17.77	18.00	No
	802.11ac(VHT40)	38	5190	17.71	18.00	No
		46	5230	17.64	18.00	No
	802.11ac(VHT80)	42	5210	17.79	18.00	Yes
	802.11ac(VHT160)	50	5550	17.93	18.00	No
	802.11ax(HE20)	36	5180	17.65	18.00	No
		44	5220	17.91	18.00	No
		48	5240	17.70	18.00	No
	802.11ax(HE40)	38	5190	17.79	18.00	No
		46	5230	17.84	18.00	No
	802.11ax(HE80)	42	5210	17.76	18.00	No
	802.11ax(HE20) (RU26)	36	5180	17.69	18.00	No
		44	5220	17.85	18.00	No
		48	5240	17.64	18.00	No
	802.11ax(HE40) (RU26)	38	5190	17.67	18.00	No
		46	5230	17.86	18.00	No
	802.11ax(HE80) (RU26)	42	5210	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.72	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.89	18.00	No
		60	5300	17.65	18.00	No
		64	5320	17.67	18.00	No
	802.11n(HT20)	52	5260	17.64	18.00	No

		60	5300	17.87	18.00	No
		64	5320	17.77	18.00	No
	802.11n(HT40)	54	5270	17.71	18.00	No
		62	5310	17.91	18.00	No
	802.11ac(VHT20)	52	5260	17.93	18.00	No
		60	5300	17.69	18.00	No
		64	5320	17.90	18.00	No
	802.11ac(VHT40)	54	5270	17.71	18.00	No
		62	5310	17.87	18.00	No
	802.11ac(VHT80)	58	5290	**17.72**	18.00	Yes
	802.11ac(VHT160)	50	5550	17.73	18.00	No
	802.11ax(HE20)	52	5260	17.65	18.00	No
		60	5300	17.67	18.00	No
		64	5320	17.68	18.00	No
	802.11ax(HE40)	54	5270	17.75	18.00	No
		62	5310	17.83	18.00	No
	802.11ax(HE80)	58	5290	17.70	18.00	No
	802.11ax(HE20) (RU26)	52	5260	17.72	18.00	No
		60	5300	17.93	18.00	No
		64	5320	17.79	18.00	No
	802.11ax(HE40) (RU26)	54	5270	17.77	18.00	No
		62	5310	17.68	18.00	No
	802.11ax(HE80) (RU26)	58	5290	17.67	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.83	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.82	18.00	No
		116	5580	17.82	18.00	No
		140	5700	17.87	18.00	No
	802.11n(HT20)	100	5500	17.87	18.00	No
		116	5580	17.87	18.00	No
		140	5700	17.90	18.00	No
	802.11n(HT40)	102	5510	17.87	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.85	18.00	No
	802.11ac(VHT20)	100	5500	17.89	18.00	No
		116	5580	17.88	18.00	No
		140	5700	17.72	18.00	No
	802.11ac(VHT40)	102	5510	17.89	18.00	No
		118	5590	17.67	18.00	No
		134	5670	17.67	18.00	No
	802.11ac(VHT80)	106	5530	**17.83**	18.00	Yes

		122	5690	17.75	18.00	Yes
	802.11ac(VHT160)	50	5550	17.54	18.00	No
	802.11ax(HE20)	100	5500	17.78	18.00	No
		116	5580	17.72	18.00	No
		140	5700	17.79	18.00	No
	802.11ax(HE40)	102	5510	17.68	18.00	No
		110	5550	17.76	18.00	No
		134	5670	17.93	18.00	No
	802.11ax(HE80)	106	5530	17.86	18.00	No
		122	5610	17.86	18.00	No
		138	5690	17.81	18.00	No
	802.11ax(HE20) (RU26)	100	5500	17.64	18.00	No
		116	5580	17.77	18.00	No
		140	5700	17.90	18.00	No
	802.11ax(HE40) (RU26)	102	5510	17.93	18.00	No
		110	5550	17.85	18.00	No
		134	5670	17.88	18.00	No
	802.11ax(HE80) (RU26)	106	5530	17.75	18.00	No
		122	5610	17.75	18.00	No
	802.11ax(HE160) (RU26)	50	5550	17.65	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.78	18.00	No
		157	5785	17.88	18.00	No
		165	5825	17.83	18.00	No
	802.11n(HT20)	149	5745	17.83	18.00	No
		157	5785	17.70	18.00	No
		165	5825	17.75	18.00	No
	802.11n(HT40)	151	5755	17.67	18.00	No
		159	5795	17.72	18.00	No
	802.11ac(VHT20)	149	5745	17.93	18.00	No
		157	5785	17.82	18.00	No
		165	5825	17.82	18.00	No
	802.11ac(VHT40)	151	5755	17.71	18.00	No
		159	5795	17.77	18.00	No
	802.11ac(VHT80)	155	5775	**17.65**	18.00	Yes
	802.11ax(HE20)	149	5745	17.92	18.00	No
		157	5785	17.65	18.00	No
		165	5825	17.79	18.00	No
	802.11ax(HE40)	151	5755	17.91	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80)	155	5775	17.64	18.00	No
	802.11ax(HE20)	149	5745	17.66	18.00	No

	(RU26)	157	5785	17.72	18.00	No
		165	5825	17.66	18.00	No
	802.11ax(HE40) (RU26)	151	5755	17.68	18.00	No
		159	5795	17.86	18.00	No
	802.11ax(HE80) (RU26)	155	5775	17.76	18.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.74 5G WIFI MIMO State12

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	14.42	15.00	No
		44	5220	14.53	15.00	No
		48	5240	14.53	15.00	No
	802.11n(HT20)	36	5180	14.50	15.00	No
		44	5220	14.36	15.00	No
		48	5240	14.47	15.00	No
	802.11n(HT40)	38	5190	14.32	15.00	No
		46	5230	14.49	15.00	No
	802.11ac(VHT20)	36	5180	14.39	15.00	No
		44	5220	14.31	15.00	No
		48	5240	14.39	15.00	No
	802.11ac(VHT40)	38	5190	14.46	15.00	No
		46	5230	14.39	15.00	No
	802.11ac(VHT80)	42	5210	**14.42**	15.00	Yes
	802.11ac(VHT160)	50	5550	14.40	15.00	No
	802.11ax(HE20)	36	5180	14.45	15.00	No
		44	5220	14.57	15.00	No
		48	5240	14.36	15.00	No
	802.11ax(HE40)	38	5190	14.48	15.00	No
		46	5230	14.29	15.00	No
	802.11ax(HE80)	42	5210	14.39	15.00	No
	802.11ax(HE20) (RU26)	36	5180	14.46	15.00	No
		44	5220	14.36	15.00	No
		48	5240	14.34	15.00	No
	802.11ax(HE40) (RU26)	38	5190	14.49	15.00	No
		46	5230	14.41	15.00	No
	802.11ax(HE80) (RU26)	42	5210	14.29	15.00	No
	802.11ax(HE160)	50	5550	14.51	15.00	No

	(RU26)					
5.3 (5.25~5.35)	802.11a	52	5260	14.43	15.00	No
		60	5300	14.45	15.00	No
		64	5320	14.45	15.00	No
	802.11n(HT20)	52	5260	14.46	15.00	No
		60	5300	14.45	15.00	No
		64	5320	14.51	15.00	No
	802.11n(HT40)	54	5270	14.51	15.00	No
		62	5310	14.50	15.00	No
	802.11ac(VHT20)	52	5260	14.50	15.00	No
		60	5300	14.38	15.00	No
		64	5320	14.40	15.00	No
	802.11ac(VHT40)	54	5270	14.43	15.00	No
		62	5310	14.37	15.00	No
	802.11ac(VHT80)	58	5290	**14.57**	15.00	Yes
	802.11ac(VHT160)	50	5550	14.35	15.00	No
	802.11ax(HE20)	52	5260	14.37	15.00	No
		60	5300	14.43	15.00	No
		64	5320	14.39	15.00	No
	802.11ax(HE40)	54	5270	14.30	15.00	No
		62	5310	14.51	15.00	No
	802.11ax(HE80)	58	5290	14.43	15.00	No
	802.11ax(HE20) (RU26)	52	5260	14.43	15.00	No
		60	5300	14.42	15.00	No
		64	5320	14.35	15.00	No
	802.11ax(HE40) (RU26)	54	5270	14.31	15.00	No
		62	5310	14.48	15.00	No
	802.11ax(HE80) (RU26)	58	5290	14.55	15.00	No
	802.11ax(HE160) (RU26)	50	5550	14.38	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.50	15.00	No
		116	5580	14.42	15.00	No
		140	5700	14.39	15.00	No
	802.11n(HT20)	100	5500	14.39	15.00	No
		116	5580	14.43	15.00	No
		140	5700	14.55	15.00	No
	802.11n(HT40)	102	5510	14.46	15.00	No
		118	5590	14.41	15.00	No
		134	5670	14.42	15.00	No
	802.11ac(VHT20)	100	5500	14.47	15.00	No
		116	5580	14.46	15.00	No

		140	5700	14.55	15.00	No
	802.11ac(VHT40)	102	5510	14.47	15.00	No
		118	5590	14.47	15.00	No
		134	5670	14.51	15.00	No
	802.11ac(VHT80)	106	5530	14.38	15.00	Yes
		122	5690	**14.39**	15.00	Yes
	802.11ac(VHT160)	50	5550	14.67	15.00	No
	802.11ax(HE20)	100	5500	14.29	15.00	No
		116	5580	14.32	15.00	No
		140	5700	14.30	15.00	No
	802.11ax(HE40)	102	5510	14.50	15.00	No
		110	5550	14.35	15.00	No
		134	5670	14.34	15.00	No
	802.11ax(HE80)	106	5530	14.41	15.00	No
		122	5610	14.40	15.00	No
		138	5690	14.41	15.00	No
	802.11ax(HE20) (RU26)	100	5500	14.33	15.00	No
		116	5580	14.44	15.00	No
		140	5700	14.33	15.00	No
	802.11ax(HE40) (RU26)	102	5510	14.44	15.00	No
		110	5550	14.38	15.00	No
		134	5670	14.42	15.00	No
	802.11ax(HE80) (RU26)	106	5530	14.42	15.00	No
		122	5610	14.43	15.00	No
	802.11ax(HE160) (RU26)	50	5550	14.49	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	14.35	15.00	No
		157	5785	14.46	15.00	No
		165	5825	14.49	15.00	No
	802.11n(HT20)	149	5745	14.32	15.00	No
		157	5785	14.36	15.00	No
		165	5825	14.40	15.00	No
	802.11n(HT40)	151	5755	14.39	15.00	No
		159	5795	14.46	15.00	No
	802.11ac(VHT20)	149	5745	14.39	15.00	No
		157	5785	14.41	15.00	No
		165	5825	14.48	15.00	No
	802.11ac(VHT40)	151	5755	14.34	15.00	No
		159	5795	14.31	15.00	No
	802.11ac(VHT80)	155	5775	**14.60**	15.00	Yes
	802.11ax(HE20)	149	5745	14.44	15.00	No
		157	5785	14.48	15.00	No

		165	5825	14.50	15.00	No
	802.11ax(HE40)	151	5755	14.52	15.00	No
		159	5795	14.42	15.00	No
	802.11ax(HE80)	155	5775	14.38	15.00	No
	802.11ax(HE20) (RU26)	149	5745	14.42	15.00	No
		157	5785	14.45	15.00	No
		165	5825	14.50	15.00	No
	802.11ax(HE40) (RU26)	151	5755	14.56	15.00	No
		159	5795	14.46	15.00	No
	802.11ax(HE80) (RU26)	155	5775	14.54	15.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.7 Bluetooth

8.7.1 Bluetooth State1

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	15.34	15.30	14.52	14.40	14.21	13.54
Tune-Up Limit (dBm)	15.50			15.00		
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	14.27	14.17	13.44	/	/	/
Tune-Up Limit (dBm)	15.00			/		
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	8.39	8.49	7.82	8.36	8.89	8.22
Tune-Up Limit (dBm)	9.00			9.00		

8.7.2 Bluetooth State2&4

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	11.70	11.81	10.87	10.51	10.66	9.72
Tune-Up Limit (dBm)	12.50			11.50		
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	11.30	11.40	10.40	/	/	/
Tune-Up Limit (dBm)	11.50			/		
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	5.56	5.33	4.96	5.58	5.32	5.01
Tune-Up Limit (dBm)	6.50			6.50		

8.7.3 Bluetooth State3

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	10.81	10.91	10.73	9.23	9.45	8.71
Tune-Up Limit (dBm)	11.00			10.00		
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	9.41	9.51	8.96	/	/	/
Tune-Up Limit (dBm)	10.00			/		
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	5.44	5.23	5.02	5.48	5.39	5.11
Tune-Up Limit (dBm)	6.50			6.50		

8.7.4 Bluetooth State5

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	8.94	8.86	8.56	8.23	8.18	8.25
Tune-Up Limit (dBm)	9.50			8.50		
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	8.16	8.06	8.17	/	/	/
Tune-Up Limit (dBm)	8.50			/		
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	5.32	5.19	4.98	5.27	5.42	5.02
Tune-Up Limit (dBm)	6.50			6.50		

8.7.5 Bluetooth State6

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	7.68	7.52	7.45	7.03	7.26	7.22
Tune-Up Limit (dBm)	8.00			8.00		
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	7.11	7.45	7.25	/	/	/
Tune-Up Limit (dBm)	8.00			/		
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	5.26	5.25	5.20	5.27	5.36	5.12
Tune-Up Limit (dBm)	6.50			6.50		

8.7.6 Bluetooth State7&8&9&10

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	15.34	15.30	14.52	14.40	14.21	13.54
Tune-Up Limit (dBm)	16.00			15.00		
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	14.27	14.17	13.44	/	/	/
Tune-Up Limit (dBm)	15.00			/		
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	8.39	8.49	7.82	8.36	8.89	8.22
Tune-Up Limit (dBm)	9.00			9.00		

8.7.7 Bluetooth State11

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	13.34	13.12	12.55	11.40	11.19	11.14
Tune-Up Limit (dBm)	14.00			13.00		
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	12.20	11.90	11.43	/	/	/
Tune-Up Limit (dBm)	13.00			/		
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	6.33	6.18	5.76	6.33	6.20	5.80
Tune-Up Limit (dBm)	8.00	8.00	7.00	8.00	8.00	7.00

8.7.8 Bluetooth State12

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	12.04	11.82	11.30	10.88	10.64	10.15
Tune-Up Limit (dBm)	13.00			12.00		
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	11.61	11.40	10.87	/	/	/
Tune-Up Limit (dBm)	12.00			/		
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	5.99	5.73	5.31	6.02	5.77	5.36
Tune-Up Limit (dBm)	7.00			7.00		

Note: The Bluetooth duty cycle is 76.34 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle Test plots

GFSK

8.8 Power Reduction List

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

WWAN Reduced Power Level Table

Reduced State	Receiver state	Transmitting conditions
State18	On (Head scenario)	WWAN Only
State18	On (Head scenario)	WWAN + WLAN
State17	Off (Body scenario)	WWAN Only
State17	Off (Body scenario)	WWAN + WLAN

WWAN Antenna.0, 3 Power table

Mode	WWAN Antenna		
	Full Power	Head	Body
		Receiver on	Receiver off
		State18	State17
GSM 850	33.20	32.70	33.20
GPRS850 1 Tx Slot	33.20	32.70	33.20
GPRS850 2 Tx Slots	31.20	30.70	31.20
GPRS850 3 Tx Slots	29.70	29.20	29.70
GPRS850 4 Tx Slots	27.70	27.20	27.70
EGPRS850 1 Tx Slot	27.70	27.20	27.70
EGPRS850 2 Tx Slots	25.20	24.70	25.20
EGPRS850 3 Tx Slots	24.20	23.70	24.20
EGPRS850 4 Tx Slots	22.70	22.20	22.70
GSM 1900	29.00	26.10	29.00
GPRS1900 1 Tx Slot	29.00	26.10	29.00
GPRS1900 2 Tx Slots	26.50	23.60	26.50
GPRS1900 3 Tx Slots	25.50	22.60	25.50
GPRS1900 4 Tx Slots	24.00	21.10	24.00
EGPRS1900 1 Tx Slot	25.50	22.60	25.50
EGPRS1900 2 Tx Slots	23.50	20.60	23.50
EGPRS1900 3 Tx Slots	22.50	19.60	22.50
EGPRS1900 4 Tx Slots	21.50	18.60	21.50
WCDMA Band2 RMC	20.50	17.20	20.50
AMR	20.50	17.20	20.50
HSDPA Subtest-1	20.00	16.70	20.00
HSDPA Subtest-2	20.00	16.70	20.00
HSDPA Subtest-3	19.00	15.70	19.00
HSDPA Subtest-4	19.00	15.70	19.00
DC-HSDPA Subtest-1	20.00	16.70	20.00
DC-HSDPA Subtest-2	20.00	16.70	20.00
DC-HSDPA Subtest-3	19.00	15.70	19.00
DC-HSDPA Subtest-4	19.00	15.70	19.00
HSUPA Subtest-1	20.00	16.70	20.00
HSUPA Subtest-2	18.50	15.20	18.50
HSUPA Subtest-3	19.50	16.20	19.50
HSUPA Subtest-4	18.50	15.20	18.50
HSUPA Subtest-5	20.00	16.70	20.00
HSPA+	19.00	15.70	19.00
WCDMA Band4 RMC	19.80	16.30	19.80
AMR	19.80	16.30	19.80
HSDPA Subtest-1	19.60	16.10	19.60
HSDPA Subtest-2	19.60	16.10	19.60

HSDPA Subtest-3	18.30	14.80	18.30
HSDPA Subtest-4	18.30	14.80	18.30
DC-HSDPA Subtest-1	19.60	16.10	19.60
DC-HSDPA Subtest-2	19.60	16.10	19.60
DC-HSDPA Subtest-3	18.30	14.80	18.30
DC-HSDPA Subtest-4	18.30	14.80	18.30
HSUPA Subtest-1	19.60	16.10	19.60
HSUPA Subtest-2	16.80	13.30	16.80
HSUPA Subtest-3	17.80	14.30	17.80
HSUPA Subtest-4	16.80	13.30	16.80
HSUPA Subtest-5	19.30	15.80	19.30
HSPA+	18.30	14.80	18.30
WCDMA Band5 RMC	24.90	24.10	24.90
AMR	24.90	24.10	24.90
HSDPA Subtest-1	23.90	23.10	23.90
HSDPA Subtest-2	23.90	23.10	23.90
HSDPA Subtest-3	23.40	22.60	23.40
HSDPA Subtest-4	23.40	22.60	23.40
DC-HSDPA Subtest-1	23.90	23.10	23.90
DC-HSDPA Subtest-2	23.90	23.10	23.90
DC-HSDPA Subtest-3	23.40	22.60	23.40
DC-HSDPA Subtest-4	23.40	22.60	23.40
HSUPA Subtest-1	23.90	23.10	23.90
HSUPA Subtest-2	21.90	21.10	21.90
HSUPA Subtest-3	22.90	22.10	22.90
HSUPA Subtest-4	21.90	21.10	21.90
HSUPA Subtest-5	23.90	23.10	23.90
HSPA+	23.40	22.60	23.40
LTE Band2	20.60	17.70	20.60
LTE Band4	19.70	16.30	19.70
LTE Band5	24.70	23.80	24.70
LTE Band7	17.40	15.90	17.40
LTE Band12	24.70	24.70	24.70
LTE Band13	24.20	24.20	24.20
LTE Band17	24.70	24.70	24.70
LTE Band25	20.70	17.90	20.70
LTE Band26	23.70	23.70	23.70
LTE Band66	19.70	16.20	19.70
LTE Band38	19.70	18.40	19.70
LTE Band41(Class3)	21.00	19.30	21.00
LTE Band41(Class2)	21.00	19.30	21.00
5G n5	23.90	23.90	23.90
5G n7	16.20	15.20	16.20

5G n12	23.90	23.90	23.90
5G n13	24.40	24.40	24.40
5G n26	23.90	23.90	23.90
5G n38	19.20	15.20	19.20
5G n41	18.20	15.20	18.20
5G n66	19.70	16.70	19.70

WWAN Antenna.1, 4 Power table

Mode	WWAN Antenna		
	Full Power	Head	Body
		Receiver on	Receiver off
		State18	State17
GSM 850	33.50	33.50	33.50
GPRS850 1 Tx Slot	33.50	33.50	33.50
GPRS850 2 Tx Slots	31.50	31.50	31.50
GPRS850 3 Tx Slots	30.00	30.00	30.00
GPRS850 4 Tx Slots	28.00	28.00	28.00
EGPRS850 1 Tx Slot	28.00	28.00	28.00
EGPRS850 2 Tx Slots	25.50	25.50	25.50
EGPRS850 3 Tx Slots	24.50	24.50	24.50
EGPRS850 4 Tx Slots	23.00	23.00	23.00
GSM 1900	30.50	30.50	30.50
GPRS1900 1 Tx Slot	30.50	30.50	30.50
GPRS1900 2 Tx Slots	28.00	28.00	28.00
GPRS1900 3 Tx Slots	27.00	27.00	27.00
GPRS1900 4 Tx Slots	25.50	25.50	25.50
EGPRS1900 1 Tx Slot	27.00	27.00	27.00
EGPRS1900 2 Tx Slots	25.00	25.00	25.00
EGPRS1900 3 Tx Slots	24.00	24.00	24.00
EGPRS1900 4 Tx Slots	23.00	23.00	23.00
WCDMA Band2 RMC	24.00	24.00	20.90
AMR	24.00	24.00	20.90
HSDPA Subtest-1	23.50	23.50	20.40
HSDPA Subtest-2	23.50	23.50	20.40
HSDPA Subtest-3	22.50	22.50	19.40
HSDPA Subtest-4	22.50	22.50	19.40
DC-HSDPA Subtest-1	23.50	23.50	20.40
DC-HSDPA Subtest-2	23.50	23.50	20.40
DC-HSDPA Subtest-3	22.50	22.50	19.40
DC-HSDPA Subtest-4	22.50	22.50	19.40
HSUPA Subtest-1	23.50	23.50	20.40
HSUPA Subtest-2	22.00	22.00	18.90
HSUPA Subtest-3	23.00	23.00	19.90

HSUPA Subtest-4	22.00	22.00	18.90
HSUPA Subtest-5	23.50	23.50	20.40
HSPA+	22.50	22.50	19.40
WCDMA Band4 RMC	24.00	24.00	22.20
AMR	24.00	24.00	22.20
HSDPA Subtest-1	23.80	23.80	22.00
HSDPA Subtest-2	23.80	23.80	22.00
HSDPA Subtest-3	22.50	22.50	20.70
HSDPA Subtest-4	22.50	22.50	20.70
DC-HSDPA Subtest-1	23.80	23.80	22.00
DC-HSDPA Subtest-2	23.80	23.80	22.00
DC-HSDPA Subtest-3	22.50	22.50	20.70
DC-HSDPA Subtest-4	22.50	22.50	20.70
HSUPA Subtest-1	23.80	23.80	22.00
HSUPA Subtest-2	21.00	21.00	19.20
HSUPA Subtest-3	22.00	22.00	20.20
HSUPA Subtest-4	21.00	21.00	19.20
HSUPA Subtest-5	23.80	23.80	22.00
HSPA+	22.50	22.50	20.70
WCDMA Band5 RMC	25.00	25.00	25.00
AMR	25.00	25.00	25.00
HSDPA Subtest-1	24.00	24.00	24.00
HSDPA Subtest-2	24.00	24.00	24.00
HSDPA Subtest-3	23.50	23.50	23.50
HSDPA Subtest-4	23.50	23.50	23.50
DC-HSDPA Subtest-1	24.00	24.00	24.00
DC-HSDPA Subtest-2	24.00	24.00	24.00
DC-HSDPA Subtest-3	23.50	23.50	23.50
DC-HSDPA Subtest-4	23.50	23.50	23.50
HSUPA Subtest-1	24.00	24.00	24.00
HSUPA Subtest-2	22.00	22.00	22.00
HSUPA Subtest-3	23.00	23.00	23.00
HSUPA Subtest-4	22.00	22.00	22.00
HSUPA Subtest-5	24.00	24.00	24.00
HSPA+	22.50	22.50	22.50
LTE Band2	24.00	24.00	21.60
LTE Band4	24.00	24.00	22.30
LTE Band5	25.00	25.00	25.00
LTE Band7	24.00	24.00	20.20
LTE Band12	25.00	25.00	25.00
LTE Band13	24.50	24.50	24.50
LTE Band17	25.00	25.00	25.00
LTE Band25	24.00	24.00	21.40

LTE Band26	24.00	24.00	24.00
LTE Band66	24.00	24.00	22.50
LTE Band38	24.50	24.50	22.50
LTE Band41(Class3)	24.50	24.50	23.90
LTE Band41(Class2)	26.00	26.00	23.90
5G n5	24.20	24.20	24.20
5G n7	24.20	24.20	19.20
5G n12	24.20	24.20	24.20
5G n13	24.70	24.70	24.70
5G n26	24.20	24.20	24.20
5G n38	24.20	24.20	24.20
5G n41	24.20	24.20	19.20
5G n66	24.20	24.20	22.20

ENDC Antenna Power table

Mode	Band	Antenna	ENDC Antenna		
			Full Power	Head	Body
				Receiver on	Receiver off
				State18	State17
DC_7A_n5A	n5	Ant.1	24.20	24.20	22.20
	LTE Band7	Ant.3	15.50	13.50	15.50
DC_7A_n5A	n5	Ant.0	23.90	19.90	23.90
	LTE Band7	Ant.6	19.00	17.50	19.00
DC_5A_n7A DC_66A_n7A	n7	Ant.3	16.70	13.70	16.70
	LTE Band5	Ant.1	23.50	23.50	22.50
	LTE Band66	Ant.4	23.50	23.50	21.50
DC_5A_n7A DC_66A_n7A	n7	Ant.6	17.20	16.70	17.20
	LTE Band5	Ant.0	23.20	21.20	23.20
	LTE Band66	Ant.5	22.50	16.50	22.50
DC_25A_n41A DC_26A_n41A	n41	Ant.5	17.20	15.20	17.20
	LTE Band25	Ant.4	24.00	24.00	20.00
	LTE Band26	Ant.1	24.00	24.00	24.00
DC_25A_n41A DC_26A_n41A	n41	Ant.5	17.20	15.20	17.20
	LTE Band25	Ant.3	19.50	14.50	19.50
	LTE Band26	Ant.0	22.70	22.70	21.70
DC_7_n66A	n66	Ant.3	16.20	14.20	16.20
	LTE Band7	Ant.4	23.50	23.50	16.50
DC_7_n66A	n66	Ant.6	19.50	16.50	19.50
	LTE Band7	Ant.5	17.50	14.50	17.50

WLAN&BT Reduced Power Level Table

Reduced State	Receiver state	Transmitting conditions
State1	On (Head scenario)	WLAN 2.4G Only WLAN 5G Only BT Only
State2	On (Head scenario)	WLAN 2.4G+BT WLAN 5G+BT
State3	On (Head scenario)	WLAN2.4G+WLAN5G WLAN2.4+WLAN5G+BT
State4	On (Head scenario)	WWAN+WLAN2.4G WWAN+WLAN5G WWAN+BT
State5	On (Head scenario)	WWAN+2.4G+BT WWAN+5G WLAN+BT
State6	On (Head scenario)	WWAN+WLAN2.4G+WLAN5G WWAN+WLAN2.4+WLAN5G+BT
State7	Off (Body scenario)	WLAN 2.4G Only WLAN 5G Only BT Only
State8	Off (Body scenario)	WLAN 2.4G+BT WLAN 5G+BT
State9	Off (Body scenario)	WLAN2.4G+WLAN5G WLAN2.4+WLAN5G+BT
State10	Off (Body scenario)	WWAN+WLAN2.4G WWAN+WLAN5G WWAN+BT
State11	Off (Body scenario)	WWAN+2.4G+BT WWAN+5G WLAN+BT
State12	Off (Body scenario)	WWAN+WLAN2.4G+WLAN5G WWAN+WLAN2.4+WLAN5G+BT

WLAN Antenna7, 10 Power Table

Mode	WLAN Antenna												
	Full Power	Head						Body					
		Receiver on						Receiver off					
		State 1	State 2	State 3	State 4	State 5	State 6	State 7	State 8	State 9	State 10	State 11	State 12
2.4G WLAN 802.11b	18.00	15.50	/	11.00	12.50	/	8.00	18.00	/	17.00	16.00	/	14.00
2.4G WLAN 802.11g	19.00	16.50	/	12.00	13.50	/	9.00	19.00	/	18.00	17.00	/	15.00
2.4G WLAN802.11n20	19.00	16.50	/	12.00	13.50	/	9.00	19.00	/	18.00	17.00	/	15.00
2.4G WLAN 802.11n40	19.00	16.50	/	12.00	13.50	/	9.00	19.00	/	18.00	17.00	/	15.00
2.4G WLAN 802.11ac20	19.00	16.50	/	12.00	13.50	/	9.00	19.00	/	18.00	17.00	/	15.00
2.4G WLAN 802.11ac40	19.00	16.50	/	12.00	13.50	/	9.00	19.00	/	18.00	17.00	/	15.00
2.4G WLAN 802.11ax20	19.00	16.50	/	12.00	13.50	/	9.00	19.00	/	18.00	17.00	/	15.00
2.4G WLAN 802.11ax40	19.00	16.50	/	12.00	13.50	/	9.00	19.00	/	18.00	17.00	/	15.00
5.2G WLAN 802.11a	18.00	12.00	9.00	8.00	9.00	6.00	4.00	18.00	15.50	15.50	15.00	12.00	12.00
5.2G WLAN 802.11n20	18.00	12.00	9.00	8.00	9.00	6.00	4.00	18.00	15.50	15.50	15.00	12.00	12.00
5.2G WLAN 802.11n40	18.00	12.00	9.00	8.00	9.00	6.00	4.00	18.00	15.50	15.50	15.00	12.00	12.00
5.2G WLAN 802.11ac20	18.00	12.00	9.00	8.00	9.00	6.00	4.00	18.00	15.50	15.50	15.00	12.00	12.00
5.2G WLAN 802.11ac40	18.00	12.00	9.00	8.00	9.00	6.00	4.00	18.00	15.50	15.50	15.00	12.00	12.00
5.2G WLAN 802.11ac80	18.00	12.00	9.00	8.00	9.00	6.00	4.00	18.00	15.50	15.50	15.00	12.00	12.00
5.2G WLAN 802.11ac160	18.00	12.00	9.00	8.00	9.00	6.00	4.00	18.00	15.50	15.50	15.00	12.00	12.00
5.2G WLAN 802.11ax20	18.00	12.00	9.00	8.00	9.00	6.00	4.00	18.00	15.50	15.50	15.00	12.00	12.00
5.2G WLAN 802.11ax40	18.00	12.00	9.00	8.00	9.00	6.00	4.00	18.00	15.50	15.50	15.00	12.00	12.00
5.2G WLAN 802.11ax80	18.00	12.00	9.00	8.00	9.00	6.00	4.00	18.00	15.50	15.50	15.00	12.00	12.00
5.2G WLAN 802.11ax160	18.00	12.00	9.00	8.00	9.00	6.00	4.00	18.00	15.50	15.50	15.00	12.00	12.00
5.3G WLAN 802.11a	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11n20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11n40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11ac20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11ac40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11ac80	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11ax20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11ax40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11ax80	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11a	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11n20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11n40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ac20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ac40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ac80	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ac160	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ax20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ax40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00

5.6G WLAN 802.11ax80	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ax160	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11a	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11n20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11n40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11ac20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11ac40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11ac80	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11ax20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11ax40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11ax80	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
Bluetooth	16.00	15.50	12.50	11.00	12.50	9.50	8.00	16.00	16.00	16.00	16.00	14.00	13.00

WLAN Antenna6, 9 Power Table

Mode	WLAN Antenna												
	Full Power	Head						Body					
		Receiver on						Receiver off					
		State 1	State 2	State 3	State 4	State 5	State 6	State 7	State 8	State 9	State 10	State 11	State 12
2.4G WLAN 802.11b	18.00	18.00	18.00	16.00	18.00	15.00	13.00	18.00	17.00	17.00	15.00	14.00	14.00
2.4G WLAN 802.11g	19.00	19.00	19.00	17.00	19.00	16.00	14.00	19.00	18.00	18.00	16.00	15.00	15.00
2.4G WLAN802.11n20	19.00	19.00	19.00	17.00	19.00	16.00	14.00	19.00	18.00	18.00	16.00	15.00	15.00
2.4G WLAN 802.11n40	19.00	19.00	19.00	17.00	19.00	16.00	14.00	19.00	18.00	18.00	16.00	15.00	15.00
2.4G WLAN 802.11ac20	19.00	19.00	19.00	17.00	19.00	16.00	14.00	19.00	18.00	18.00	16.00	15.00	15.00
2.4G WLAN 802.11ac40	19.00	19.00	19.00	17.00	19.00	16.00	14.00	19.00	18.00	18.00	16.00	15.00	15.00
2.4G WLAN 802.11ax20	19.00	19.00	19.00	17.00	19.00	16.00	14.00	19.00	18.00	18.00	16.00	15.00	15.00
2.4G WLAN 802.11ax40	19.00	19.00	19.00	17.00	19.00	16.00	14.00	19.00	18.00	18.00	16.00	15.00	15.00
5.2G WLAN 802.11a	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11n20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11n40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11ac20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11ac40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11ac80	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11ac160	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11ax20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11ax40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11ax80	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11ax160	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11a	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11n20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11n40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11ac20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11ac40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00

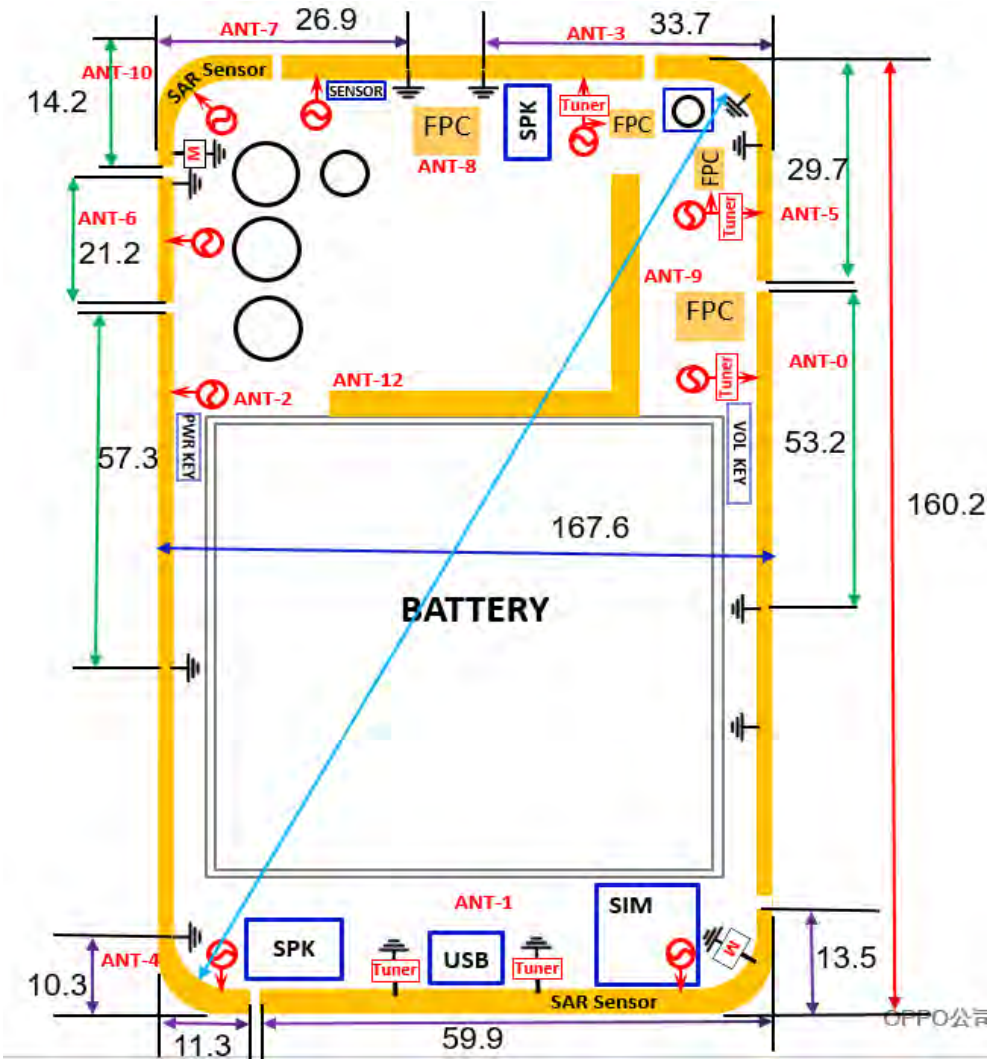
5.3G WLAN 802.11ac80	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11ax20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11ax40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.3G WLAN 802.11ax80	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11a	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11n20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11n40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ac20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ac40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ac80	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ac160	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ax20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ax40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ax80	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.6G WLAN 802.11ax160	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11a	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11n20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11n40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11ac20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11ac40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11ac80	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11ax20	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11ax40	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
5.8G WLAN 802.11ax80	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
Bluetooth	/	/	/	/	/	/	/	/	/	/	/	/	/

WLAN Antenna10&6, 7&9 Power Table

Mode	WLAN Antenna												
	Full Power	Head						Body					
		Receiver on						Receiver off					
		State 1	State 2	State 3	State 4	State 5	State 6	State 7	State 8	State 9	State 10	State 11	State 12
2.4G WLAN 802.11b	21.00	18.50	21.00	14.00	15.50	18.00	11.00	21.00	20.00	20.00	18.00	17.00	17.00
2.4G WLAN 802.11g	22.00	19.50	22.00	15.00	16.50	19.00	12.00	22.00	21.00	21.00	19.00	18.00	18.00
2.4G WLAN802.11n20	22.00	19.50	22.00	15.00	16.50	19.00	12.00	22.00	21.00	21.00	19.00	18.00	18.00
2.4G WLAN 802.11n40	22.00	19.50	22.00	15.00	16.50	19.00	12.00	22.00	21.00	21.00	19.00	18.00	18.00
2.4G WLAN 802.11ac20	22.00	19.50	22.00	15.00	16.50	19.00	12.00	22.00	21.00	21.00	19.00	18.00	18.00
2.4G WLAN 802.11ac40	22.00	19.50	22.00	15.00	16.50	19.00	12.00	22.00	21.00	21.00	19.00	18.00	18.00
2.4G WLAN 802.11ax20	22.00	19.50	22.00	15.00	16.50	19.00	12.00	22.00	21.00	21.00	19.00	18.00	18.00
2.4G WLAN 802.11ax40	22.00	19.50	22.00	15.00	16.50	19.00	12.00	22.00	21.00	21.00	19.00	18.00	18.00
5.2G WLAN 802.11a	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.2G WLAN 802.11n20	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.2G WLAN 802.11n40	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00

5.2G WLAN 802.11ac20	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.2G WLAN 802.11ac40	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.2G WLAN 802.11ac80	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.2G WLAN 802.11ac160	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.2G WLAN 802.11ax20	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.2G WLAN 802.11ax40	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.2G WLAN 802.11ax80	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.2G WLAN 802.11ax160	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.3G WLAN 802.11a	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.3G WLAN 802.11n20	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.3G WLAN 802.11n40	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.3G WLAN 802.11ac20	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.3G WLAN 802.11ac40	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.3G WLAN 802.11ac80	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.3G WLAN 802.11ax20	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.3G WLAN 802.11ax40	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.3G WLAN 802.11ax80	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.6G WLAN 802.11a	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.6G WLAN 802.11n20	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.6G WLAN 802.11n40	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.6G WLAN 802.11ac20	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.6G WLAN 802.11ac40	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.6G WLAN 802.11ac80	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.6G WLAN 802.11ac160	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.6G WLAN 802.11ax20	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.6G WLAN 802.11ax40	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.6G WLAN 802.11ax80	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.6G WLAN 802.11ax160	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.8G WLAN 802.11a	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.8G WLAN 802.11n20	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.8G WLAN 802.11n40	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.8G WLAN 802.11ac20	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.8G WLAN 802.11ac40	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.8G WLAN 802.11ac80	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.8G WLAN 802.11ax20	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.8G WLAN 802.11ax40	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
5.8G WLAN 802.11ax80	21.00	15.00	12.00	11.00	12.00	9.00	7.00	21.00	18.50	18.50	18.00	15.00	15.00
Bluetooth	/	/	/	/	/	/	/	/	/	/	/	/	/

9 TEST EXCLUSION CONSIDERATION



Antenna	Support Bands
ANT0	GSM850
	WCDMA B5
	LTE B5/12/13/26
	n5/12/13/26
ANT1	GSM850
	WCDMA B5
	LTE B5/12/13/26
	n5/12/13/26
ANT3	GSM1900
	WCDMA B2/4
	LTE B2/4/7/25/38/41/66
	n7/38/41/66
ANT4	GSM1900
	WCDMA B2/4
	LTE B2/4/7/25/38/41/66
	n7/38/41/66
ANT5	LTE B7/66
	n41
ANT6	LTE B7
	n7/66
	WLAN2.4G chain1
ANT7	WLAN5G chain0
ANT9	WLAN5G chain1
ANT10	WLAN2.4G chain0/BT

Antenna	Front Side (mm)	Back Side (mm)	Left Edge (mm)	Right Edge (mm)	Top Edge (mm)	Bottom Edge (mm)
ANT0	<5	<5	61	<5	30	77
ANT1	<5	<5	12	<5	147	<5
ANT3	<5	<5	38	12	<5	141
ANT4	<5	<5	<5	60	149	<5
ANT5	<5	<5	63	<5	<5	129
ANT6	<5	<5	<5	63	15	124
ANT7	<5	<5	11	44	<5	141
ANT9	<5	<5	50	<5	30	120
ANT10	<5	<5	<5	60	<5	145

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	61mm	<5mm	30mm	77mm
	Data	33.70	2344.23	Yes	Yes	No	Yes	Yes	No
WCDMA Band 5	Distance to User			<5mm	<5mm	61mm	<5mm	30mm	77mm
	RMC	24.90	309.03	Yes	Yes	No	Yes	Yes	No
LTE Band 5	Distance to User			<5mm	<5mm	61mm	<5mm	30mm	77mm
	QPSK	24.70	295.12	Yes	Yes	No	Yes	Yes	No
LTE Band 12	Distance to User			<5mm	<5mm	61mm	<5mm	30mm	77mm
	QPSK	24.70	295.12	Yes	Yes	No	Yes	Yes	No
LTE Band 13	Distance to User			<5mm	<5mm	61mm	<5mm	30mm	77mm
	QPSK	24.20	263.03	Yes	Yes	No	Yes	Yes	No
LTE Band 26	Distance to User			<5mm	<5mm	61mm	<5mm	30mm	77mm
	QPSK	23.70	234.42	Yes	Yes	No	Yes	Yes	No
n5	Distance to User			<5mm	<5mm	61mm	<5mm	30mm	77mm
	DFT-s-OFDM QPSK	23.90	245.47	Yes	Yes	No	Yes	Yes	No
n12	Distance to User			<5mm	<5mm	61mm	<5mm	30mm	77mm
	DFT-s-OFDM QPSK	23.90	245.47	Yes	Yes	No	Yes	Yes	No
n13	Distance to User			<5mm	<5mm	61mm	<5mm	30mm	77mm
	DFT-s-OFDM QPSK	24.40	275.42	Yes	Yes	No	Yes	Yes	No
n26	Distance to User			<5mm	<5mm	61mm	<5mm	30mm	77mm
	DFT-s-OFDM QPSK	23.90	245.47	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	147mm	<5mm
	Data	33.50	2238.72	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<5mm	<5mm	12mm	<5mm	147mm	<5mm
	RMC	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	Distance to User			<5mm	<5mm	12mm	<5mm	147mm	<5mm
	QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 12	Distance to User			<5mm	<5mm	12mm	<5mm	147mm	<5mm
	QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 13	Distance to User			<5mm	<5mm	12mm	<5mm	147mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 26	Distance to User			<5mm	<5mm	12mm	<5mm	147mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
n5	Distance to User			<5mm	<5mm	12mm	<5mm	147mm	<5mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	Yes	No	Yes
n12	Distance to User			<5mm	<5mm	12mm	<5mm	147mm	<5mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	Yes	No	Yes
n13	Distance to User			<5mm	<5mm	12mm	<5mm	147mm	<5mm
	DFT-s-OFDM QPSK	24.70	295.12	Yes	Yes	Yes	Yes	No	Yes
n26	Distance to User			<5mm	<5mm	12mm	<5mm	147mm	<5mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	Yes	No	Yes

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	38mm	12mm	<5mm	141mm
	Data	29.00	794.33	Yes	Yes	No	Yes	Yes	No
WCDMA Band 2	Distance to User			<5mm	<5mm	38mm	12mm	<5mm	141mm
	RMC	20.50	112.20	Yes	Yes	No	Yes	Yes	No
WCDMA Band 4	Distance to User			<5mm	<5mm	38mm	12mm	<5mm	141mm
	RMC	19.80	95.50	Yes	Yes	No	Yes	Yes	No
LTE Band 2	Distance to User			<5mm	<5mm	38mm	12mm	<5mm	141mm
	QPSK	20.60	114.82	Yes	Yes	No	Yes	Yes	No
LTE Band 4	Distance to User			<5mm	<5mm	38mm	12mm	<5mm	141mm
	QPSK	19.70	93.33	Yes	Yes	No	Yes	Yes	No
LTE Band 7	Distance to User			<5mm	<5mm	38mm	12mm	<5mm	141mm
	QPSK	17.40	54.95	Yes	Yes	No	Yes	Yes	No
LTE Band 25	Distance to User			<5mm	<5mm	38mm	12mm	<5mm	141mm
	QPSK	20.70	117.49	Yes	Yes	No	Yes	Yes	No
LTE Band 38	Distance to User			<5mm	<5mm	38mm	12mm	<5mm	141mm
	QPSK	19.70	93.33	Yes	Yes	No	Yes	Yes	No
LTE Band 41	Distance to User			<5mm	<5mm	38mm	12mm	<5mm	141mm
	QPSK	23.50	223.87	Yes	Yes	No	Yes	Yes	No
LTE Band 66	Distance to User			<5mm	<5mm	38mm	12mm	<5mm	141mm
	QPSK	19.70	93.33	Yes	Yes	No	Yes	Yes	No
n7	Distance to User			<5mm	<5mm	38mm	12mm	<5mm	141mm
	DFT-s-OFDM QPSK	16.70	46.77	Yes	Yes	No	Yes	Yes	No
n38	Distance to User			<5mm	<5mm	38mm	12mm	<5mm	141mm
	DFT-s-OFDM QPSK	19.20	83.18	Yes	Yes	No	Yes	Yes	No
n41	Distance to User			<5mm	<5mm	38mm	12mm	<5mm	141mm
	DFT-s-OFDM QPSK	18.20	66.07	Yes	Yes	No	Yes	Yes	No
n66	Distance to User			<5mm	<5mm	38mm	12mm	<5mm	141mm
	DFT-s-OFDM QPSK	19.70	93.33	Yes	Yes	No	Yes	Yes	No

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	149mm	<5mm
	Data	30.50	1122.02	Yes	Yes	Yes	No	No	Yes
WCDMA Band 2	Distance to User			<5mm	<5mm	<5mm	60mm	149mm	<5mm
	RMC	24.00	251.19	Yes	Yes	Yes	No	No	Yes
WCDMA Band 4	Distance to User			<5mm	<5mm	<5mm	60mm	149mm	<5mm
	RMC	24.00	251.19	Yes	Yes	Yes	No	No	Yes
LTE Band 2	Distance to User			<5mm	<5mm	<5mm	60mm	149mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	No	No	Yes
LTE Band 4	Distance to User			<5mm	<5mm	<5mm	60mm	149mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	No	No	Yes
LTE Band 7	Distance to User			<5mm	<5mm	<5mm	60mm	149mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	No	No	Yes
LTE Band 25	Distance to User			<5mm	<5mm	<5mm	60mm	149mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	No	No	Yes
LTE Band 38	Distance to User			<5mm	<5mm	<5mm	60mm	149mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	No	No	Yes
LTE Band 41	Distance to User			<5mm	<5mm	<5mm	60mm	149mm	<5mm
	QPSK	26.00	398.11	Yes	Yes	Yes	No	No	Yes
LTE Band 66	Distance to User			<5mm	<5mm	<5mm	60mm	149mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	No	No	Yes
n7	Distance to User			<5mm	<5mm	<5mm	60mm	149mm	<5mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	No	No	Yes
n38	Distance to User			<5mm	<5mm	<5mm	60mm	149mm	<5mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	No	No	Yes
n41	Distance to User			<5mm	<5mm	<5mm	60mm	149mm	<5mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	No	No	Yes
n66	Distance to User			<5mm	<5mm	<5mm	60mm	149mm	<5mm
	DFT-s-OFDM QPSK	24.20	263.03	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	Distance to User			<5mm	<5mm	63mm	<5mm	<5mm	129mm
	QPSK	17.50	56.23	Yes	Yes	No	Yes	Yes	No
LTE Band 66	Distance to User			<5mm	<5mm	63mm	<5mm	<5mm	129mm
	QPSK	22.50	177.83	Yes	Yes	No	Yes	Yes	No
n41	Distance to User			<5mm	<5mm	63mm	<5mm	<5mm	129mm
	DFT-s-OFDM QPSK	17.20	52.48	Yes	Yes	No	Yes	Yes	No

ANT6

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
LTE Band 7	Distance to User			<5mm	<5mm	<5mm	63mm	15mm	124mm
	QPSK	19.00	79.43	Yes	Yes	Yes	No	Yes	No
n7	Distance to User			<5mm	<5mm	<5mm	63mm	15mm	124mm
	DFT-s-OFDM QPSK	17.20	52.48	Yes	Yes	Yes	No	Yes	No
n66	Distance to User			<5mm	<5mm	<5mm	63mm	15mm	124mm
	DFT-s-OFDM QPSK	19.50	89.13	Yes	Yes	Yes	No	Yes	No
WLAN 2.4 G	Distance to User			<5mm	<5mm	<5mm	63mm	15mm	124mm
	802.11b	18.00	63.10	Yes	Yes	Yes	No	Yes	No
	802.11g	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE40)	19.00	79.43	Yes	Yes	Yes	No	Yes	No

ANT7

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 5.2 G	Distance to User			<5mm	<5mm	11mm	44mm	<5mm	141mm
	802.11a	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
WLAN 5.3 G	Distance to User			<5mm	<5mm	11mm	44mm	<5mm	141mm
	802.11a	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
WLAN 5.6 G	Distance to User			<5mm	<5mm	11mm	44mm	<5mm	141mm
	802.11a	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
WLAN 5.8 G	Distance to User			<5mm	<5mm	11mm	44mm	<5mm	141mm
	802.11a	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes

	802.11n(HT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes

ANT9

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	50mm	<5mm	30mm	120mm
	802.11a	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
WLAN 5.3 G	Distance to User			<5mm	<5mm	50mm	<5mm	30mm	120mm
	802.11a	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
WLAN 5.6 G	Distance to User			<5mm	<5mm	50mm	<5mm	30mm	120mm
	802.11a	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes

	802.11ac(VHT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
WLAN 5.8 G	Distance to User			<5mm	<5mm	50mm	<5mm	30mm	120mm
	802.11a	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE40)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE80)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE160)	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes

ANT10

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	60mm	<5mm	145mm
	802.11b	18.00	63.10	Yes	Yes	Yes	Yes	Yes	Yes
	802.11g	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT20)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11n(HT40)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT40)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE40)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
Bluetooth	Distance to User			<5mm	<5mm	<5mm	60mm	<5mm	145mm
	BR+EDR	15.50	35.48	Yes	Yes	Yes	Yes	Yes	Yes
	BLE	9.00	7.94	Yes	Yes	Yes	Yes	Yes	Yes

Note:

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

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

10 TEST RESULT

10.1 GSM 850

Antenna	Power Reduction 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	18	GPRS (3slots)	Left Cheek	0	190	836.6	0.12	0.415	28.59	29.20	1.151	**0.478**	1#
	18		Left Tilt	0	190	836.6	-0.09	0.051	28.59	29.20	1.151	0.059	/
	18		Right Cheek	0	190	836.6	0.01	0.192	28.59	29.20	1.151	0.221	/
	18		Right Tilt	0	190	836.6	0.14	0.036	28.59	29.20	1.151	0.041	/
ANT1	18	GPRS (3slots)	Left Cheek	0	190	836.6	-0.14	0.107	28.45	30.00	1.429	0.153	/
	18		Left Tilt	0	190	836.6	-0.05	0.075	28.45	30.00	1.429	0.107	/
	18		Right Cheek	0	190	836.6	0.16	0.161	28.45	30.00	1.429	0.230	/
	18		Right Tilt	0	190	836.6	-0.10	0.088	28.45	30.00	1.429	0.126	/
Body-worn Accessory													
ANT0	17	GPRS (3slots)	Front Side	15	190	836.6	0.11	0.108	28.28	29.70	1.387	0.150	/
	17		Back Side	15	190	836.6	-0.01	0.138	28.28	29.70	1.387	0.191	/
ANT1	17	GPRS (3slots)	Front Side	15	190	836.6	-0.17	0.200	28.45	30.00	1.429	0.286	/
	17		Back Side	15	190	836.6	-0.07	0.212	28.45	30.00	1.429	**0.303**	2#
Hotspot													
ANT0	17	GPRS (3slots)	Front Side	10	190	836.6	-0.09	0.158	28.28	29.70	1.387	0.219	/
	17		Back Side	10	190	836.6	-0.10	0.197	28.28	29.70	1.387	0.273	/
	17		Right Edge	10	190	836.6	-0.05	0.309	28.28	29.70	1.387	**0.429**	3#
	17		Top Edge	10	190	836.6	0.18	0.005	28.28	29.70	1.387	0.007	/
ANT1	17	GPRS (3slots)	Front Side	10	190	836.6	-0.11	0.292	28.45	30.00	1.429	0.417	/
	17		Back Side	10	190	836.6	-0.08	0.298	28.45	30.00	1.429	0.426	/
	17		Left Edge	10	190	836.6	-0.03	0.155	28.45	30.00	1.429	0.221	/
	17		Right Edge	10	190	836.6	-0.16	0.071	28.45	30.00	1.429	0.101	/
	17		Bottom Edge	10	190	836.6	0.12	0.240	28.45	30.00	1.429	0.343	/

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

10.2 GSM 1900

Antenna	Power Reduction 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	18	GPRS (3slots)	Left Cheek	0	661	1880.0	0.02	0.292	22.18	22.60	1.102	0.322	/
	18		Left Tilt	0	661	1880.0	0.10	0.349	22.18	22.60	1.102	0.384	/
	18		Right Cheek	0	661	1880.0	-0.12	0.467	22.18	22.60	1.102	0.514	/
	18		Right Tilt	0	661	1880.0	-0.17	0.680	22.18	22.60	1.102	**0.749**	4#
ANT4	18	GPRS (3slots)	Left Cheek	0	661	1880.0	0.14	0.071	25.96	27.00	1.271	0.090	/
	18		Left Tilt	0	661	1880.0	-0.07	0.059	25.96	27.00	1.271	0.075	/
	18		Right Cheek	0	661	1880.0	-0.05	0.086	25.96	27.00	1.271	0.109	/
	18		Right Tilt	0	661	1880.0	0.17	0.070	25.96	27.00	1.271	0.089	/
Body-worn Accessory													
ANT3	17	GPRS (3slots)	Front Side	15	661	1880.0	-0.03	0.087	24.67	25.50	1.211	0.105	/
	17		Back Side	15	661	1880.0	0.02	0.088	24.67	25.50	1.211	0.107	/
ANT4	17	GPRS (3slots)	Front Side	15	661	1880.0	0.05	0.102	29.96	30.50	1.132	0.116	/
	17		Back Side	15	661	1880.0	0.12	0.143	29.96	30.50	1.132	**0.162**	5#
Hotspot													
ANT3	17	GPRS (3slots)	Front Side	10	661	1880.0	0.16	0.236	24.67	25.50	1.211	0.286	/
	17		Back Side	10	661	1880.0	-0.19	0.228	24.67	25.50	1.211	0.276	/
	17		Right Edge	10	661	1880.0	-0.17	0.045	24.67	25.50	1.211	0.054	/
	17		Top Edge	10	661	1880.0	-0.08	0.340	24.67	25.50	1.211	0.412	/
ANT4	17	GPRS (3slots)	Front Side	10	661	1880.0	0.16	0.273	25.96	27.00	1.271	0.347	/
	17		Back Side	10	661	1880.0	-0.10	0.417	25.96	27.00	1.271	0.530	/
	17		Left Edge	10	661	1880.0	0.14	0.134	25.96	27.00	1.271	0.170	/
	17		Bottom Edge	10	661	1880.0	0.01	0.608	25.96	27.00	1.271	**0.773**	6#

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

10.3WCDMA Band 2

Antenna	Power Reduction 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	18	RMC	Left Cheek	0	9400	1880.0	0.12	0.330	16.93	17.20	1.064	0.351	/
	18		Left Tilt	0	9400	1880.0	0.08	0.392	16.93	17.20	1.064	0.417	/
	18		Right Cheek	0	9400	1880.0	-0.14	0.553	16.93	17.20	1.064	0.588	/
	18		Right Tilt	0	9400	1880.0	-0.19	0.671	16.93	17.20	1.064	**0.714**	7#
ANT4	18	RMC	Left Cheek	0	9400	1880.0	-0.10	0.118	22.72	24.00	1.343	0.158	/
	18		Left Tilt	0	9400	1880.0	0.07	0.089	22.72	24.00	1.343	0.120	/
	18		Right Cheek	0	9400	1880.0	-0.16	0.112	22.72	24.00	1.343	0.150	/
	18		Right Tilt	0	9400	1880.0	-0.01	0.133	22.72	24.00	1.343	0.179	/
Body-worn Accessory													
ANT3	17	RMC	Front Side	15	9400	1880.0	0.02	0.138	20.24	20.50	1.062	0.147	/
	17		Back Side	15	9400	1880.0	-0.01	0.144	20.24	20.50	1.062	0.153	/
ANT4	17	RMC	Front Side	15	9400	1880.0	-0.05	0.166	20.19	20.90	1.178	0.195	/
	17		Back Side	15	9400	1880.0	0.09	0.194	20.19	20.90	1.178	**0.228**	8#
Hotspot													
ANT3	17	RMC	Front Side	10	9400	1880.0	0.03	0.282	20.24	20.50	1.062	0.299	/
	17		Back Side	10	9400	1880.0	-0.06	0.258	20.24	20.50	1.062	0.274	/
	17		Right Edge	10	9400	1880.0	-0.18	0.053	20.24	20.50	1.062	0.056	/
	17		Top Edge	10	9400	1880.0	0.01	0.500	20.24	20.50	1.062	**0.531**	9#
ANT4	17	RMC	Front Side	10	9400	1880.0	0.01	0.289	20.19	20.90	1.178	0.291	/
	17		Back Side	10	9400	1880.0	0.17	0.405	20.19	20.90	1.178	0.408	/
	17		Left Edge	10	9400	1880.0	-0.12	0.213	20.19	20.90	1.178	0.251	/
	17		Bottom Edge	10	9400	1880.0	0.15	0.449	20.19	20.90	1.178	0.529	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.4WCDMA Band 4

Antenna	Power Reduction 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	18	RMC	Left Cheek	0	1412	1732.4	0.10	0.457	15.47	16.30	1.211	0.553	/
	18		Left Tilt	0	1412	1732.4	-0.01	0.527	15.47	16.30	1.211	0.638	/
	18		Right Cheek	0	1412	1732.4	0.05	0.627	15.47	16.30	1.211	0.759	/
	18		Right Tilt	0	1412	1732.4	0.15	0.701	15.47	16.30	1.211	0.849	/
	18			0	1312	1712.4	0.04	0.671	15.45	16.30	1.216	0.816	/
	18			0	1513	1752.6	-0.01	0.711	15.42	16.30	1.225	**0.871**	10#
ANT4	18	RMC	Left Cheek	0	1412	1732.4	0.13	0.165	22.78	24.00	1.324	0.219	/
	18		Left Tilt	0	1412	1732.4	-0.12	0.130	22.78	24.00	1.324	0.172	/
	18		Right Cheek	0	1412	1732.4	-0.12	0.086	22.78	24.00	1.324	0.114	/
	18		Right Tilt	0	1412	1732.4	-0.02	0.125	22.78	24.00	1.324	0.166	/
Body-worn Accessory													
ANT3	17	RMC	Front Side	15	1412	1732.4	0.02	0.183	18.98	19.80	1.208	0.221	/
	17		Back Side	15	1412	1732.4	-0.03	0.171	18.98	19.80	1.208	0.207	/
ANT4	17	RMC	Front Side	15	1412	1732.4	0.07	0.247	21.28	22.20	1.236	0.305	/
	17		Back Side	15	1412	1732.4	0.14	0.271	21.28	22.20	1.236	**0.335**	11#
Hotspot													
ANT3	17	RMC	Front Side	10	1412	1732.4	-0.18	0.337	18.98	19.80	1.208	0.407	/
	17		Back Side	10	1412	1732.4	0.14	0.336	18.98	19.80	1.208	0.406	/
	17		Right Edge	10	1412	1732.4	-0.16	0.061	18.98	19.80	1.208	0.074	/
	17		Top Edge	10	1412	1732.4	0.09	0.480	18.98	19.80	1.208	0.580	/
ANT4	17	RMC	Front Side	10	1412	1732.4	0.16	0.402	21.28	22.20	1.236	0.497	/
	17		Back Side	10	1412	1732.4	-0.09	0.453	21.28	22.20	1.236	0.560	/
	17		Left Edge	10	1412	1732.4	0.06	0.239	21.28	22.20	1.236	0.295	/
	17		Bottom Edge	10	1412	1732.4	-0.01	0.528	21.28	22.20	1.236	**0.653**	12#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

Antenna	Power Reduction state	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													
ANT3	17	RMC	Top Edge	0	1412	1732.4	-0.04	1.090	18.98	19.80	1.208	**1.317**	13#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.5 WCDMA Band 5

Antenna	Power Reduction 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	18	RMC	Left Cheek	0	4182	836.4	0.02	0.698	23.48	24.10	1.153	**0.805**	14#
	18			0	4132	826.4	0.17	0.644	23.35	24.10	1.189	0.765	/
	18			0	4233	846.6	-0.10	0.685	23.41	24.10	1.172	0.803	/
	18		Left Tilt	0	4182	836.4	0.18	0.088	23.48	24.10	1.153	0.102	/
	18		Right Cheek	0	4182	836.4	0.03	0.313	23.48	24.10	1.153	0.361	/
	18		Right Tilt	0	4182	836.4	-0.11	0.065	23.48	24.10	1.153	0.075	/
ANT1	18	RMC	Left Cheek	0	4182	836.4	0.11	0.137	23.59	25.00	1.384	0.190	/
	18		Left Tilt	0	4182	836.4	0.07	0.099	23.59	25.00	1.384	0.137	/
	18		Right Cheek	0	4182	836.4	0.16	0.203	23.59	25.00	1.384	0.281	/
	18		Right Tilt	0	4182	836.4	0.00	0.112	23.59	25.00	1.384	0.155	/
Body-worn Accessory													
ANT0	17	RMC	Front Side	15	4182	836.4	0.01	0.171	24.10	24.90	1.202	0.206	/
	17		Back Side	15	4182	836.4	-0.08	0.207	24.10	24.90	1.202	0.249	/
ANT1	17	RMC	Front Side	15	4182	836.4	0.08	0.215	23.59	25.00	1.384	0.297	/
	17		Back Side	15	4182	836.4	-0.15	0.254	23.59	25.00	1.384	**0.351**	15#
Hotspot													
ANT0	17	RMC	Front Side	10	4182	836.4	-0.15	0.281	24.10	24.90	1.202	0.338	/
	17		Back Side	10	4182	836.4	-0.05	0.352	24.10	24.90	1.202	0.423	/
	17		Right Edge	10	4182	836.4	0.07	0.630	24.10	24.90	1.202	**0.757**	16#
	17		Top Edge	10	4182	836.4	0.06	0.007	24.10	24.90	1.202	0.008	/
ANT1	17	RMC	Front Side	10	4132	826.4	-0.17	0.324	23.59	25.00	1.384	0.448	/
	17		Back Side	10	4132	826.4	0.06	0.418	23.59	25.00	1.384	0.578	/
	17		Left Edge	10	4132	826.4	0.01	0.191	23.59	25.00	1.384	0.264	/
	17		Right Edge	10	4132	826.4	-0.12	0.094	23.59	25.00	1.384	0.130	/
	17		Bottom Edge	10	4182	836.4	-0.07	0.255	23.59	25.00	1.384	0.353	/

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

10.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction 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	18	QPSK	Left Cheek	0	18900	1880	1	High	-0.19	0.299	17.15	17.70	1.135	0.339	/
	18			0	19100	1900	50	Mid	0.16	0.283	17.27	17.70	1.104	0.312	/
	18		Left Tilt	0	18900	1880	1	High	-0.12	0.357	17.15	17.70	1.135	0.405	/
	18			0	19100	1900	50	Mid	0.13	0.360	17.27	17.70	1.104	0.397	/
	18		Right Cheek	0	18900	1880	1	High	0.04	0.482	17.15	17.70	1.135	0.547	/
	18			0	19100	1900	50	Mid	-0.05	0.459	17.27	17.70	1.104	0.507	/
	18		Right Tilt	0	18900	1880	1	High	-0.12	0.582	17.15	17.70	1.135	**0.661**	17#
	18			0	19100	1900	50	Mid	0.06	0.577	17.27	17.70	1.104	0.637	/
ANT4	18	QPSK	Left Cheek	0	18700	1860	1	Mid	-0.14	0.077	22.57	24.00	1.390	0.107	/
	18			0	18900	1880	50	High	-0.18	0.067	21.72	23.00	1.343	0.090	/
	18		Left Tilt	0	18700	1860	1	Mid	0.09	0.072	22.57	24.00	1.390	0.100	/
	18			0	18900	1880	50	High	0.07	0.056	21.72	23.00	1.343	0.075	/
	18		Right Cheek	0	18700	1860	1	Mid	-0.14	0.088	22.57	24.00	1.390	0.122	/
	18			0	18900	1880	50	High	0.15	0.070	21.72	23.00	1.343	0.094	/
	18		Right Tilt	0	18700	1860	1	Mid	-0.03	0.094	22.57	24.00	1.390	0.131	/
	18			0	18900	1880	50	High	-0.10	0.064	21.72	23.00	1.343	0.086	/
Body-worn Accessory															
ANT3	17	QPSK	Front Side	15	18900	1880	1	High	0.11	0.140	20.04	20.60	1.138	0.159	/
	17			15	18900	1880	50	High	0.15	0.131	20.09	20.60	1.125	0.147	/
	17		Back Side	15	18900	1880	1	High	-0.04	0.145	20.04	20.60	1.138	0.165	/
	17			15	18900	1880	50	High	0.12	0.134	20.09	20.60	1.125	0.151	/
ANT4	17	QPSK	Front Side	15	18900	1880	1	High	-0.07	0.165	21.02	21.60	1.143	0.189	/
	17			15	18900	1880	50	High	0.06	0.166	21.02	21.60	1.143	0.190	/
	17		Back Side	15	18900	1880	1	High	-0.15	0.189	21.02	21.60	1.143	0.216	/
	17			15	18900	1880	50	High	-0.04	0.191	21.02	21.60	1.143	**0.218**	18#
Hotspot															
ANT3	17	QPSK	Front Side	10	18900	1880	1	High	0.04	0.289	20.04	20.60	1.138	0.329	/
	17			10	18900	1880	50	High	-0.04	0.286	20.09	20.60	1.125	0.322	/
	17		Back Side	10	18900	1880	1	High	-0.03	0.242	20.04	20.60	1.138	0.275	/
	17			10	18900	1880	50	High	0.13	0.232	20.09	20.60	1.125	0.261	/
	17		Right Edge	10	18900	1880	1	High	-0.18	0.048	20.04	20.60	1.138	0.055	/
	17			10	18900	1880	50	High	0.13	0.045	20.09	20.60	1.125	0.051	/
	17		Top Edge	10	18900	1880	1	High	0.09	0.391	20.04	20.60	1.138	0.445	/
	17			10	18900	1880	50	High	-0.05	0.383	20.03	20.60	1.140	0.437	/
ANT4	17	QPSK	Front Side	10	18900	1880	1	High	-0.16	0.228	21.02	21.60	1.143	0.261	/
	17			10	18900	1880	50	High	0.12	0.225	21.13	21.60	1.114	0.251	/
	17		Back Side	10	18900	1880	1	High	0.00	0.315	21.02	21.60	1.143	0.360	/
	17			10	18900	1880	50	High	-0.14	0.304	21.13	21.60	1.114	0.339	/
	17		Left Edge	10	18900	1880	1	High	-0.10	0.151	21.02	21.60	1.143	0.173	/

	17			10	18900	1880	50	High	0.07	0.148	21.13	21.60	1.114	0.165	/
	17		Bottom Edge	10	18900	1880	1	High	-0.05	0.398	21.02	21.60	1.143	**0.455**	19#
	17			10	18900	1880	50	High	0.02	0.351	21.13	21.60	1.114	0.391	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.7 LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction 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	18	QPSK	Left Cheek	0	20175	1732.5	1	High	0.10	0.485	15.81	16.30	1.119	0.543	/
	18			0	20050	1720	50	Mid	-0.15	0.487	15.79	16.30	1.125	0.548	/
	18		Left Tilt	0	20175	1732.5	1	High	0.14	0.577	15.81	16.30	1.119	0.646	/
	18			0	20050	1720	50	Mid	-0.15	0.561	15.79	16.30	1.125	0.631	/
	18		Right Cheek	0	20175	1732.5	1	High	0.10	0.653	15.81	16.30	1.119	0.731	/
	18			0	20050	1720	50	Mid	0.19	0.639	15.79	16.30	1.125	0.719	/
	18		Right Tilt	0	20175	1732.5	1	High	-0.14	0.736	15.81	16.30	1.119	0.824	/
	18			0	20050	1720	1	Low	-0.10	0.711	15.67	16.30	1.156	0.822	/
	18			0	20300	1745	1	High	-0.13	0.745	15.79	16.30	1.125	**0.838**	20#
	18			0	20175	1732.5	50	Mid	-0.10	0.695	15.79	16.30	1.125	0.782	/
	18			0	20050	1720	100	Low	0.02	0.700	15.82	16.30	1.117	0.782	/
ANT4	18	QPSK	Left Cheek	0	20175	1732.5	1	Low	-0.04	0.164	22.54	24.00	1.400	0.230	/
	18			0	20050	1720	50	Mid	0.12	0.123	21.58	23.00	1.387	0.171	/
	18		Left Tilt	0	20175	1732.5	1	Low	0.10	0.120	22.54	24.00	1.400	0.168	/
	18			0	20050	1720	50	Mid	-0.10	0.085	21.58	23.00	1.387	0.118	/
	18		Right Cheek	0	20175	1732.5	1	Low	-0.19	0.083	22.54	24.00	1.400	0.116	/
	18			0	20050	1720	50	Mid	-0.05	0.066	21.58	23.00	1.387	0.092	/
	18		Right Tilt	0	20175	1732.5	1	Low	-0.06	0.122	22.54	24.00	1.400	0.171	/
	18			0	20050	1720	50	Mid	-0.12	0.086	21.58	23.00	1.387	0.119	/
Body-worn Accessory															
ANT3	17	QPSK	Front Side	15	20175	1732.5	1	Low	0.03	0.198	19.10	19.70	1.148	0.227	/
	17			15	20050	1720	50	Mid	0.05	0.176	19.16	19.70	1.132	0.199	/
	17		Back Side	15	20175	1732.5	1	Low	-0.01	0.191	19.10	19.70	1.148	0.219	/
	17			15	20050	1720	50	Mid	0.00	0.167	19.16	19.70	1.132	0.189	/
ANT4	17	QPSK	Front Side	15	20175	1732.5	1	Low	0.07	0.231	21.34	22.30	1.247	0.288	/
	17			15	20050	1720	50	Mid	-0.12	0.234	21.42	22.30	1.225	0.287	/
	17		Back Side	15	20175	1732.5	1	Low	0.06	0.251	21.34	22.30	1.247	0.313	/
	17			15	20050	1720	50	Mid	0.04	0.256	21.42	22.30	1.225	**0.314**	21#
Hotspot															
ANT3	17	QPSK	Front Side	10	20175	1732.5	1	Low	-0.09	0.312	19.10	19.70	1.148	0.358	/
	17			10	20050	1720	50	Mid	0.06	0.304	19.16	19.70	1.132	0.344	/
	17		Back Side	10	20175	1732.5	1	Low	-0.03	0.294	19.10	19.70	1.148	0.338	/
	17			10	20050	1720	50	Mid	0.11	0.302	19.16	19.70	1.132	0.342	/
	17		Right Edge	10	20175	1732.5	1	Low	0.01	0.042	19.10	19.70	1.148	0.048	/
	17			10	20050	1720	50	Mid	0.14	0.039	19.16	19.70	1.132	0.044	/
	17		Top Edge	10	20175	1732.5	1	Low	0.11	0.437	19.10	19.70	1.148	0.502	/
	17			10	20175	1732.5	50	Mid	0.13	0.453	19.16	19.70	1.132	0.513	/
ANT4	17	QPSK	Front Side	10	20175	1732.5	1	Low	0.01	0.368	21.34	22.30	1.247	0.459	/
	17			10	20050	1720	50	Mid	-0.01	0.339	21.42	22.30	1.225	0.415	/

	17		Back Side	10	20175	1732.5	1	Low	0.00	0.407	21.34	22.30	1.247	0.508	/
	17			10	20050	1720	50	Mid	0.01	0.412	21.42	22.30	1.225	0.505	/
	17		Left Edge	10	20175	1732.5	1	Low	-0.17	0.213	21.34	22.30	1.247	0.266	/
	17			10	20050	1720	50	Mid	0.15	0.217	21.42	22.30	1.225	0.266	/
	17		Bottom Edge	10	20175	1732.5	1	Low	-0.18	0.547	21.34	22.30	1.247	**0.682**	22#
	17			10	20050	1720	50	Mid	0.10	0.512	21.42	22.30	1.225	0.627	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction state	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															
ANT3	17	QPSK	Top Edge	0	20175	1732.5	1	Low	-0.02	1.140	19.10	19.70	1.148	**1.309**	23#
	17			0	20175	1732.5	50	Mid	-0.06	1.130	19.16	19.70	1.132	1.280	/

10.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction 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	18	QPSK	Left Cheek	0	20450	829	1	Low	0.18	0.740	23.15	23.80	1.161	**0.859**	24#
	18			0	20525	836.5	1	High	0.11	0.722	23.05	23.80	1.189	0.858	/
	18			0	20600	844	1	Mid	0.14	0.719	23.04	23.80	1.191	0.857	/
	18			0	20525	836.5	25	Mid	-0.12	0.731	23.16	23.80	1.159	0.847	/
	18			0	20450	829	25	High	-0.16	0.725	23.15	23.80	1.161	0.842	/
	18			0	20600	844	25	High	0.05	0.721	23.05	23.80	1.189	0.857	/
	18			0	20525	836.5	50	Low	0.07	0.735	23.17	23.80	1.156	0.850	/
	18		Left Tilt	0	20450	829	1	Low	0.10	0.098	23.15	23.80	1.161	0.114	/
	18			0	20525	836.5	25	Mid	0.07	0.092	23.16	23.70	1.132	0.104	/
	18		Right Cheek	0	20450	829	1	Low	0.00	0.336	23.15	23.80	1.161	0.390	/
	18			0	20525	836.5	25	Mid	-0.12	0.328	23.16	23.70	1.132	0.371	/
	18		Right Tilt	0	20450	829	1	Low	-0.07	0.073	23.15	23.80	1.161	0.085	/
	18			0	20525	836.5	25	Mid	-0.05	0.075	23.16	23.70	1.132	0.085	/
ANT0 (only for ENDC)	18	QPSK	Left Cheek	0	20450	829	1	High	0.19	0.232	21.07	21.20	1.030	0.239	/
	18			0	20600	844	25	High	0.06	0.319	21.14	21.20	1.014	0.323	/
	18		Left Tilt	0	20450	829	1	High	-0.16	0.042	21.07	21.20	1.030	0.043	/
	18			0	20525	836.5	25	High	-0.15	0.023	21.14	21.20	1.014	0.023	/
	18		Right Cheek	0	20450	829	1	High	0.00	0.133	21.07	21.20	1.030	0.137	/
	18			0	20525	836.5	25	High	0.08	0.149	21.14	21.20	1.014	0.151	/
	18		Right Tilt	0	20450	829	1	High	0.11	0.018	21.07	21.20	1.030	0.019	/
	18			0	20525	836.5	25	High	0.02	0.015	21.14	21.20	1.014	0.015	/
ANT1	18	QPSK	Left Cheek	0	20600	844	1	High	0.04	0.168	24.09	25.00	1.233	0.207	/
	18			0	20525	836.5	25	Mid	0.00	0.136	23.10	24.00	1.230	0.167	/
	18		Left Tilt	0	20600	844	1	High	-0.18	0.109	24.09	25.00	1.233	0.134	/
	18			0	20525	836.5	25	Mid	0.13	0.089	23.10	24.00	1.230	0.109	/
	18		Right Cheek	0	20600	844	1	High	0.17	0.238	24.09	25.00	1.233	0.293	/
	18			0	20525	836.5	25	Mid	-0.03	0.196	23.10	24.00	1.230	0.241	/
	18		Right Tilt	0	20600	844	1	High	0.12	0.138	24.09	25.00	1.233	0.170	/
	18			0	20525	836.5	25	Mid	0.15	0.111	23.10	24.00	1.230	0.137	/
ANT1 (only for ENDC)	18	QPSK	Left Cheek	0	20525	836.5	1	High	-0.13	0.034	23.33	23.50	1.040	0.035	/
	18			0	20600	844	25	Mid	0.05	0.025	22.24	22.50	1.062	0.027	/
	18		Left Tilt	0	20450	829	1	High	-0.09	0.018	23.33	23.50	1.040	0.019	/
	18			0	20525	836.5	25	Mid	-0.16	0.016	22.24	22.50	1.062	0.017	/
	18		Right Cheek	0	20450	829	1	High	0.17	0.015	23.33	23.50	1.040	0.016	/
	18			0	20525	836.5	25	Mid	0.17	0.013	22.24	22.50	1.062	0.014	/
	18		Right Tilt	0	20450	829	1	High	-0.13	0.014	23.33	23.50	1.040	0.015	/
	18			0	20525	836.5	25	Mid	0.19	0.009	22.24	22.50	1.062	0.010	/
Body-worn Accessory															
ANT0	17	QPSK	Front Side	15	20600	844	1	High	-0.13	0.159	23.74	24.70	1.247	0.198	/

	17			15	20525	836.5	25	High	0.00	0.128	22.99	23.70	1.178	0.151	/
	17		Back Side	15	20600	844	1	High	0.12	0.189	23.74	24.70	1.247	0.236	/
	17			15	20525	836.5	25	High	0.14	0.157	22.99	23.70	1.178	0.185	/
ANT0	17		Front Side	15	20600	844	1	Mid	-0.16	0.143	23.05	23.20	1.035	0.148	/
(only for	17	QPSK		15	20525	836.5	25	Mid	-0.04	0.122	22.05	22.20	1.035	0.126	/
ENDC)	17		Back Side	15	20600	844	1	Mid	0.04	0.168	23.05	23.20	1.035	0.174	/
	17			15	20525	836.5	25	Mid	0.06	0.157	22.05	22.20	1.035	0.163	/
ANT1	17		Front Side	15	20600	844	1	High	-0.19	0.200	24.09	25.00	1.233	0.247	/
	17	QPSK		15	20525	836.5	25	Mid	0.11	0.161	23.10	24.00	1.230	0.198	/
	17		Back Side	15	20600	844	1	High	-0.03	0.222	24.09	25.00	1.233	**0.274**	25#
	17			15	20525	836.5	25	Mid	0.02	0.175	23.10	24.00	1.230	0.215	/
ANT1	17		Front Side	15	20450	829	1	Low	0.15	0.018	22.38	22.50	1.028	0.019	/
(only for	17	QPSK		15	20525	836.5	25	Low	-0.12	0.016	22.26	22.50	1.057	0.017	/
ENDC)	17		Back Side	15	20450	829	1	Low	-0.08	0.021	22.38	22.50	1.028	0.022	/
	17			15	20525	836.5	25	Low	0.19	0.019	22.26	22.50	1.057	0.020	/
Hotspot															
	17		Front Side	10	20600	844	1	High	0.03	0.282	23.74	24.70	1.247	0.352	/
	17			10	20525	836.5	25	High	0.04	0.229	22.99	23.70	1.178	0.270	/
	17		Back Side	10	20600	844	1	High	0.19	0.350	23.74	24.70	1.247	0.437	/
ANT0	17	QPSK		10	20525	836.5	25	High	0.15	0.289	22.99	23.70	1.178	0.340	/
	17		Right Edge	10	20600	844	1	High	-0.10	0.609	23.74	24.70	1.247	**0.760**	26#
	17			10	20525	836.5	25	High	0.05	0.513	22.99	23.70	1.178	0.604	/
	17		Top Edge	10	20600	844	1	High	0.19	0.006	23.74	24.70	1.247	0.007	/
	17			10	20525	836.5	25	High	0.13	0.008	22.99	23.70	1.178	0.009	/
	17		Front Side	10	20600	844	1	Mid	0.10	0.294	23.05	23.20	1.035	0.304	/
	17			10	20525	836.5	25	Mid	-0.14	0.280	22.05	22.20	1.035	0.290	/
	17		Back Side	10	20600	844	1	Mid	0.17	0.356	23.05	23.20	1.035	0.369	/
ANT0	17	QPSK		10	20525	836.5	25	Mid	0.14	0.359	22.05	22.20	1.035	0.372	/
(only for	17		Right Edge	10	20600	844	1	Mid	0.00	0.523	23.05	23.20	1.035	0.541	/
ENDC)	17			10	20525	836.5	25	Mid	-0.19	0.522	22.05	22.20	1.035	0.540	/
	17		Top Edge	10	20600	844	1	Mid	-0.09	0.008	23.05	23.20	1.035	0.008	/
	17			10	20525	836.5	25	Mid	-0.17	0.009	22.05	22.20	1.035	0.009	/
	17		Front Side	10	20600	844	1	High	-0.03	0.340	24.09	25.00	1.233	0.419	/
	17			10	20525	836.5	25	Mid	0.10	0.270	23.10	24.00	1.230	0.332	/
	17		Back Side	10	20600	844	1	High	-0.07	0.441	24.09	25.00	1.233	0.544	/
	17			10	20525	836.5	25	Mid	-0.19	0.349	23.10	24.00	1.230	0.429	/
ANT1	17	QPSK	Left Edge	10	20600	844	1	High	-0.19	0.200	24.09	25.00	1.233	0.247	/
	17			10	20525	836.5	25	Mid	-0.11	0.182	23.10	24.00	1.230	0.224	/
	17		Right Edge	10	20600	844	1	High	0.00	0.099	24.09	25.00	1.233	0.122	/
	17			10	20525	836.5	25	Mid	-0.17	0.075	23.10	24.00	1.230	0.092	/
	17		Bottom Edge	10	20600	844	1	High	0.16	0.242	24.09	25.00	1.233	0.298	/
	17			10	20525	836.5	25	Mid	-0.13	0.204	23.10	24.00	1.230	0.251	/
ANT1	17		Front Side	10	20450	829	1	Low	-0.02	0.044	22.38	22.50	1.028	0.045	/
(only for	17	QPSK		10	20525	836.5	25	Low	0.08	0.046	22.26	22.50	1.057	0.049	/
ENDC)	17		Back Side	10	20450	829	1	Low	0.03	0.073	22.38	22.50	1.028	0.075	/

	17			10	20525	836.5	25	Low	-0.08	0.075	22.26	22.50	1.057	0.079	/
	17		Left Edge	10	20450	829	1	Low	-0.01	0.013	22.38	22.50	1.028	0.013	/
	17			10	20525	836.5	25	Low	-0.05	0.011	22.26	22.50	1.057	0.012	/
	17		Right Edge	10	20450	829	1	Low	0.02	0.009	22.38	22.50	1.028	0.009	/
	17			10	20525	836.5	25	Low	0.12	0.011	22.26	22.50	1.057	0.012	/
	17		Bottom Edge	10	20450	829	1	Low	0.08	0.138	22.38	22.50	1.028	0.142	/
	17			10	20525	836.5	25	Low	0.10	0.140	22.26	22.50	1.057	0.148	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.9LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction 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	18	QPSK	Left Cheek	0	21100	2535	1	Mid	-0.18	0.493	15.56	15.90	1.081	0.533	/
	18			0	21350	2560	50	High	0.17	0.475	15.65	15.90	1.059	0.503	/
	18		Left Tilt	0	21100	2535	1	Mid	0.09	0.727	15.56	15.90	1.081	0.786	/
	18			0	21350	2560	50	High	-0.11	0.732	15.65	15.90	1.059	0.775	/
	18		Right Cheek	0	21100	2535	1	Mid	0.04	0.585	15.56	15.90	1.081	0.633	/
	18			0	21350	2560	50	High	0.04	0.572	15.65	15.90	1.059	0.606	/
	18		Right Tilt	0	21100	2535	1	Mid	-0.04	0.778	15.56	15.90	1.081	**0.841**	27#
	18			0	20850	2510	1	Mid	-0.05	0.770	15.53	15.90	1.089	0.838	/
	18			0	21350	2560	1	High	0.18	0.755	15.55	15.90	1.084	0.818	/
	18			0	21100	2535	50	High	0.00	0.758	15.65	15.90	1.059	0.803	/
	18			0	20850	2510	50	High	0.09	0.739	15.61	15.90	1.069	0.790	/
	18			0	21350	2560	50	High	-0.15	0.748	15.52	15.90	1.091	0.816	/
	18			0	21350	2560	100	Low	-0.05	0.755	15.58	15.90	1.076	0.813	/
ANT3 (only for ENDC)	18	QPSK	Left Cheek	0	21100	2535	1	High	-0.15	0.228	13.18	13.50	1.076	0.245	/
	18			0	21100	2535	50	High	0.03	0.230	13.27	13.50	1.054	0.243	/
	18		Left Tilt	0	21100	2535	1	High	0.10	0.310	13.18	13.50	1.076	0.334	/
	18			0	21100	2535	50	High	-0.19	0.316	13.27	13.50	1.054	0.333	/
	18		Right Cheek	0	21100	2535	1	High	0.14	0.282	13.18	13.50	1.076	0.304	/
	18			0	21100	2535	50	High	0.08	0.280	13.27	13.50	1.054	0.295	/
	18		Right Tilt	0	21100	2535	1	High	-0.10	0.400	13.18	13.50	1.076	0.431	/
	18			0	21100	2535	50	High	-0.11	0.353	13.27	13.50	1.054	0.372	/
ANT4	18	QPSK	Left Cheek	0	21350	2560	1	Mid	-0.12	0.165	22.69	24.00	1.352	0.223	/
	18			0	21350	2560	50	Mid	0.02	0.127	21.78	23.00	1.324	0.168	/
	18		Left Tilt	0	21350	2560	1	Mid	0.16	0.167	22.69	24.00	1.352	0.226	/
	18			0	21350	2560	50	Mid	-0.10	0.124	21.78	23.00	1.324	0.164	/
	18		Right Cheek	0	21350	2560	1	Mid	-0.04	0.230	22.69	24.00	1.352	0.311	/
	18			0	21350	2560	50	Mid	0.06	0.179	21.78	23.00	1.324	0.237	/
	18		Right Tilt	0	21350	2560	1	Mid	-0.06	0.152	22.69	24.00	1.352	0.206	/
	18			0	21350	2560	50	Mid	0.03	0.123	21.78	23.00	1.324	0.163	/
ANT4 (only for ENDC)	18	QPSK	Left Cheek	0	21100	2535	1	High	-0.04	0.166	23.48	23.50	1.005	0.167	/
	18			0	21100	2535	50	High	0.01	0.125	22.38	22.50	1.028	0.129	/
	18		Left Tilt	0	21100	2535	1	High	0.10	0.109	23.48	23.50	1.005	0.110	/
	18			0	21100	2535	50	High	0.12	0.094	22.38	22.50	1.028	0.097	/
	18		Right Cheek	0	21100	2535	1	High	0.03	0.244	23.48	23.50	1.005	0.245	/
	18			0	21100	2535	50	High	0.09	0.189	22.38	22.50	1.028	0.194	/
	18		Right Tilt	0	21100	2535	1	High	0.15	0.069	23.48	23.50	1.005	0.069	/
	18			0	21100	2535	50	High	-0.13	0.049	22.38	22.50	1.028	0.050	/
	18	QPSK	Left Cheek	0	21100	2535	1	High	-0.01	0.069	14.35	14.50	1.035	0.071	/
	18			0	21100	2535	50	Low	-0.14	0.062	14.18	14.50	1.076	0.067	/

ANT5 (only for ENDC)	18		Left Tilt	0	21100	2535	1	High	-0.03	0.042	14.35	14.50	1.035	0.043	/
	18			0	21100	2535	50	Low	0.05	0.041	14.18	14.50	1.076	0.044	/
	18		Right Cheek	0	21100	2535	1	High	0.11	0.276	14.35	14.50	1.035	0.286	/
	18			0	21100	2535	50	Low	-0.02	0.272	14.18	14.50	1.076	0.293	/
	18		Right Tilt	0	21100	2535	1	High	0.02	0.127	14.35	14.50	1.035	0.131	/
	18			0	21100	2535	50	Low	-0.06	0.121	14.18	14.50	1.076	0.130	/
ANT6 (only for ENDC)	18	QPSK	Left Cheek	0	21100	2535	1	High	-0.15	0.272	17.19	17.50	1.074	0.292	/
	18			0	21100	2535	50	High	-0.04	0.231	17.24	17.50	1.062	0.245	/
	18		Left Tilt	0	21100	2535	1	High	-0.07	0.143	17.19	17.50	1.074	0.154	/
	18			0	21100	2535	50	High	-0.02	0.141	17.24	17.50	1.062	0.150	/
	18		Right Cheek	0	21100	2535	1	High	-0.19	0.083	17.19	17.50	1.074	0.089	/
	18			0	21100	2535	50	High	0.06	0.079	17.24	17.50	1.062	0.084	/
	18		Right Tilt	0	21100	2535	1	High	0.12	0.060	17.19	17.50	1.074	0.064	/
	18			0	21100	2535	50	High	0.11	0.058	17.24	17.50	1.062	0.062	/
Body-worn Accessory															
ANT3	17	QPSK	Front Side	15	21100	2535	1	Mid	-0.02	0.100	17.02	17.40	1.091	0.109	/
	17			15	21100	2535	50	High	0.07	0.103	17.06	17.40	1.081	0.111	/
	17		Back Side	15	21100	2535	1	Mid	0.08	0.102	17.02	17.40	1.091	0.111	/
	17			15	21100	2535	50	High	-0.05	0.106	17.06	17.40	1.081	0.115	/
ANT3 (only for ENDC)	17	QPSK	Front Side	15	21100	2535	1	High	0.12	0.041	15.17	15.50	1.079	0.044	/
	17			15	21100	2535	50	Mid	0.01	0.041	15.07	15.50	1.104	0.045	/
	17		Back Side	15	21100	2535	1	High	-0.18	0.046	15.17	15.50	1.079	0.050	/
	17			15	21100	2535	50	Mid	-0.19	0.046	15.07	15.50	1.104	0.051	/
ANT4	17	QPSK	Front Side	15	21350	2560	1	Low	-0.06	0.125	19.97	20.20	1.054	0.132	/
	17			15	21350	2560	50	Low	0.07	0.134	19.88	20.20	1.076	**0.144**	28#
	17		Back Side	15	21350	2560	1	Low	0.02	0.131	19.97	20.20	1.054	0.138	/
	17			15	21350	2560	50	Low	0.05	0.117	19.88	20.20	1.076	0.126	/
ANT4 (only for ENDC)	17	QPSK	Front Side	15	21100	2535	1	Low	0.05	0.012	16.05	16.50	1.109	0.013	/
	17			15	21100	2535	50	High	0.02	0.021	16.05	16.50	1.109	0.023	/
	17		Back Side	15	21100	2535	1	Low	0.05	0.054	16.05	16.50	1.109	0.060	/
	17			15	21100	2535	50	High	-0.04	0.049	16.05	16.50	1.109	0.054	/
ANT5 (only for ENDC)	17	QPSK	Front Side	15	21100	2535	1	High	-0.16	0.035	17.15	17.50	1.084	0.038	/
	17			15	21100	2535	50	Low	-0.17	0.034	17.12	17.50	1.091	0.037	/
	17		Back Side	15	21100	2535	1	High	-0.18	0.045	17.15	17.50	1.084	0.049	/
	17			15	21100	2535	50	Low	-0.19	0.044	17.12	17.50	1.091	0.048	/
ANT6 (only for ENDC)	17	QPSK	Front Side	15	21100	2535	1	Mid	-0.06	0.028	18.62	18.00	0.867	0.024	/
	17			15	21100	2535	50	High	-0.05	0.027	18.68	18.00	0.855	0.023	/
	17		Back Side	15	21100	2535	1	Mid	-0.05	0.035	18.62	18.00	0.867	0.030	/
	17			15	21100	2535	50	High	-0.01	0.033	18.68	18.00	0.855	0.028	/
Hotspot															
ANT3	17	QPSK	Front Side	10	21100	2535	1	Mid	-0.05	0.145	17.02	17.40	1.091	0.158	/
	17			10	21100	2535	50	High	0.05	0.141	17.06	17.40	1.081	0.152	/
	17		Back Side	10	21100	2535	1	Mid	0.02	0.145	17.02	17.40	1.091	0.158	/
	17			10	21100	2535	50	High	0.12	0.143	17.06	17.40	1.081	0.155	/

	17		Right Edge	10	21100	2535	1	Mid	0.16	0.093	17.02	17.40	1.091	0.102	/
	17			10	21100	2535	50	High	0.15	0.097	17.06	17.40	1.081	0.105	/
	17		Top Edge	10	21100	2535	1	Mid	0.05	0.411	17.02	17.40	1.091	**0.449**	29#
	17			10	21100	2535	50	High	0.19	0.402	17.06	17.40	1.081	0.435	/
ANT3 (only for ENDC)	17	QPSK	Front Side	10	21100	2535	1	High	0.18	0.118	15.17	15.50	1.079	0.127	/
	17			10	21100	2535	50	Mid	-0.01	0.118	15.07	15.50	1.104	0.130	/
	17		Back Side	10	21100	2535	1	High	0.04	0.117	15.17	15.50	1.079	0.126	/
	17			10	21100	2535	50	Mid	0.08	0.118	15.07	15.50	1.104	0.130	/
	17		Right Edge	10	21100	2535	1	High	0.19	0.081	15.17	15.50	1.079	0.087	/
	17			10	21100	2535	50	Mid	-0.13	0.075	15.07	15.50	1.104	0.083	/
	17		Top Edge	10	21100	2535	1	High	-0.07	0.329	15.17	15.50	1.079	0.355	/
	17			10	21100	2535	50	Mid	0.10	0.321	15.07	15.50	1.104	0.354	/
ANT4	17	QPSK	Front Side	10	21350	2560	1	Low	-0.04	0.188	19.97	20.20	1.054	0.198	/
	17			10	21350	2560	50	Low	0.13	0.180	19.88	20.20	1.076	0.194	/
	17		Back Side	10	21350	2560	1	Low	0.17	0.201	19.97	20.20	1.054	0.212	/
	17			10	21350	2560	50	Low	-0.10	0.198	19.88	20.20	1.076	0.213	/
	17		Left Edge	10	21350	2560	1	Low	-0.16	0.075	19.97	20.20	1.054	0.079	/
	17			10	21350	2560	50	Low	-0.17	0.078	19.88	20.20	1.076	0.084	/
	17		Bottom Edge	10	21350	2560	1	Low	-0.19	0.204	19.97	20.20	1.054	0.215	/
	17			10	21350	2560	50	High	-0.17	0.206	20.06	20.20	1.033	0.213	/
ANT4 (only for ENDC)	17	QPSK	Front Side	10	21100	2535	1	Low	0.05	0.064	16.05	16.50	1.109	0.071	/
	17			10	21100	2535	50	High	-0.10	0.065	16.05	16.50	1.109	0.072	/
	17		Back Side	10	21100	2535	1	Low	-0.16	0.157	16.05	16.50	1.109	0.174	/
	17			10	21100	2535	50	High	-0.17	0.146	16.05	16.50	1.109	0.162	/
	17		Left Edge	10	21100	2535	1	Low	0.19	0.015	16.05	16.50	1.109	0.017	/
	17			10	21100	2535	50	High	0.13	0.012	16.05	16.50	1.109	0.013	/
	17		Bottom Edge	10	21100	2535	1	Low	-0.02	0.079	16.05	16.50	1.109	0.088	/
	17			10	21100	2535	50	High	-0.11	0.075	16.05	16.50	1.109	0.083	/
ANT5 (only for ENDC)	17	QPSK	Front Side	10	21100	2535	1	High	0.17	0.107	17.15	17.50	1.084	0.116	/
	17			10	21100	2535	50	Low	-0.08	0.102	17.12	17.50	1.091	0.111	/
	17		Back Side	10	21100	2535	1	High	-0.16	0.137	17.15	17.50	1.084	0.148	/
	17			10	21100	2535	50	Low	0.17	0.144	17.12	17.50	1.091	0.157	/
	17		Right Edge	10	21100	2535	1	High	-0.02	0.273	17.15	17.50	1.084	0.296	/
	17			10	21100	2535	50	Low	0.12	0.279	17.12	17.50	1.091	0.305	/
	17		Top Edge	10	21100	2535	1	High	-0.14	0.008	17.15	17.50	1.084	0.009	/
	17			10	21100	2535	50	Low	0.16	0.007	17.12	17.50	1.091	0.008	/
ANT6 (only for ENDC)	17	QPSK	Front Side	10	21100	2535	1	Mid	0.01	0.085	18.62	18.00	0.867	0.074	/
	17			10	21100	2535	50	High	-0.05	0.082	18.68	18.00	0.855	0.070	/
	17		Back Side	10	21100	2535	1	Mid	0.18	0.103	18.62	18.00	0.867	0.089	/
	17			10	21100	2535	50	High	0.02	0.101	18.68	18.00	0.855	0.086	/
	17		Left Edge	10	21100	2535	1	Mid	0.18	0.192	18.62	18.00	0.867	0.166	/
	17			10	21100	2535	50	High	0.03	0.194	18.68	18.00	0.855	0.166	/
	17		Top Edge	10	21100	2535	1	Mid	0.06	0.036	18.62	18.00	0.867	0.031	/
	17			10	21100	2535	50	High	0.07	0.037	18.68	18.00	0.855	0.032	/

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

Antenna	Power Reduction state	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															
ANT3	17	QPSK	Top Edge	0	21100	2535	1	Mid	-0.12	0.763	17.02	17.40	1.091	**0.833**	30#
	17			0	21100	2535	50	High	-0.09	0.757	17.06	17.40	1.081	0.819	/
ANT3 (only for ENDC)	17	QPSK	Top Edge	0	21100	2535	1	High	-0.08	0.434	15.17	15.50	1.079	0.468	/
	17			0	21100	2535	50	Mid	0.05	0.421	15.07	15.50	1.104	0.465	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

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

Antenna	Power Reduction 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	18	QPSK	Right Tilt	0	21100+ 21298	2535+ 2554.8	1+1	High+ Low	0.09	0.667	15.11	15.90	1.199	**0.800**	98#
	18			0	20850+ 21048	2510+ 2529.8	1+1	High+ Low	-0.04	0.642	15.01	15.90	1.227	0.788	/
	18			0	21350+ 21152	2560+ 2540.2	1+1	Low+ High	0.11	0.637	14.95	15.90	1.245	0.793	/
Body-worn Accessory															
ANT3	17	QPSK	Front Side	15	21100+ 21298	2535+ 2554.8	1+1	High+ Low	0.11	0.099	21.81	23.30	1.409	**0.140**	99#
	17			15	20850+ 21048	2510+ 2529.8	1+1	High+ Low	-0.09	0.087	21.75	23.20	1.396	0.121	/
	17			15	21350+ 21152	2560+ 2540.2	1+1	Low+ High	0.05	0.091	21.72	23.20	1.406	0.128	/
Hotspot															
ANT3	17	QPSK	Top Edge	10	21100+ 21298	2535+ 2554.8	1+1	High+ Low	0.10	0.420	17.11	17.40	1.069	**0.449**	100#
	17			10	20850+ 21048	2510+ 2529.8	1+1	High+ Low	-0.01	0.405	16.99	17.40	1.099	0.445	/
	17			10	21350+ 21152	2560+ 2540.2	1+1	Low+ High	0.06	0.411	17.07	17.40	1.079	0.443	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.11 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction 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	18	QPSK	Left Cheek	0	23130	711	1	Low	0.18	0.582	23.81	24.70	1.227	**0.714**	31#
	18			0	23095	707.5	25	High	-0.19	0.456	22.95	23.70	1.189	0.542	/
	18		Left Tilt	0	23130	711	1	Low	-0.19	0.083	23.81	24.70	1.227	0.102	/
	18			0	23095	707.5	25	High	-0.13	0.065	22.95	23.70	1.189	0.077	/
	18		Right Cheek	0	23130	711	1	Low	-0.04	0.292	23.81	24.70	1.227	0.358	/
	18			0	23095	707.5	25	High	-0.09	0.251	22.95	23.70	1.189	0.298	/
	18		Right Tilt	0	23130	711	1	Low	-0.01	0.060	23.81	24.70	1.227	0.074	/
	18			0	23095	707.5	25	High	0.09	0.011	22.95	23.70	1.189	0.013	/
ANT1	18	QPSK	Left Cheek	0	23130	711	1	Mid	0.09	0.140	23.88	25.00	1.294	0.181	/
	18			0	23095	707.5	25	Mid	0.03	0.110	23.07	24.00	1.239	0.136	/
	18		Left Tilt	0	23130	711	1	Mid	-0.09	0.091	23.88	25.00	1.294	0.118	/
	18			0	23095	707.5	25	Mid	0.19	0.072	23.07	24.00	1.239	0.089	/
	18		Right Cheek	0	23130	711	1	Mid	0.09	0.186	23.88	25.00	1.294	0.241	/
	18			0	23095	707.5	25	Mid	0.11	0.145	23.07	24.00	1.239	0.180	/
	18		Right Tilt	0	23130	711	1	Mid	-0.09	0.100	23.88	25.00	1.294	0.129	/
	18			0	23095	707.5	25	Mid	0.11	0.082	23.07	24.00	1.239	0.102	/
Body-worn Accessory															
ANT0	17	QPSK	Front Side	15	23130	711	1	Low	0.13	0.133	23.81	24.70	1.227	0.163	/
	17			15	23095	707.5	25	High	-0.11	0.106	22.95	23.70	1.189	0.126	/
	17		Back Side	15	23130	711	1	Low	0.04	0.166	23.81	24.70	1.227	0.204	/
	17			15	23095	707.5	25	High	0.07	0.129	22.95	23.70	1.189	0.153	/
ANT1	17	QPSK	Front Side	15	23130	711	1	Mid	-0.19	0.235	23.88	25.00	1.294	0.304	/
	17			15	23095	707.5	25	Mid	0.09	0.190	23.07	24.00	1.239	0.235	/
	17		Back Side	15	23130	711	1	Mid	-0.04	0.250	23.88	25.00	1.294	**0.324**	32#
	17			15	23095	707.5	25	Mid	-0.06	0.200	23.07	24.00	1.239	0.248	/
Hotspot															
ANT0	17	QPSK	Front Side	10	23130	711	1	Low	-0.17	0.232	23.81	24.70	1.227	0.285	/
	17			10	23095	707.5	25	High	0.18	0.184	22.95	23.70	1.189	0.219	/
	17		Back Side	10	23130	711	1	Low	-0.11	0.300	23.81	24.70	1.227	0.368	/
	17			10	23095	707.5	25	High	0.04	0.232	22.95	23.70	1.189	0.276	/
	17		Right Edge	10	23130	711	1	Low	0.07	0.587	23.81	24.70	1.227	**0.721**	33#
	17			10	23095	707.5	25	High	-0.06	0.468	22.95	23.70	1.189	0.556	/
	17		Top Edge	10	23130	711	1	Low	-0.01	0.011	23.81	24.70	1.227	0.014	/
	17			10	23095	707.5	25	High	0.19	0.012	22.95	23.70	1.189	0.014	/
ANT1	17	QPSK	Front Side	10	23130	711	1	Mid	0.19	0.325	23.88	25.00	1.294	0.421	/
	17			10	23095	707.5	25	Mid	0.13	0.259	23.07	24.00	1.239	0.321	/
	17		Back Side	10	23130	711	1	Mid	-0.19	0.363	23.88	25.00	1.294	0.470	/
	17			10	23095	707.5	25	Mid	0.14	0.290	23.07	24.00	1.239	0.359	/
	17		Left Edge	10	23130	711	1	Mid	0.11	0.209	23.88	25.00	1.294	0.270	/

	17			10	23095	707.5	25	Mid	-0.09	0.166	23.07	24.00	1.239	0.206	/
	17		Right Edge	10	23130	711	1	Mid	0.05	0.115	23.88	25.00	1.294	0.149	/
	17			10	23095	707.5	25	Mid	0.01	0.092	23.07	24.00	1.239	0.114	/
	17		Bottom Edge	10	23130	711	1	Mid	-0.15	0.213	23.88	25.00	1.294	0.276	/
	17			10	23095	707.5	25	Mid	0.08	0.178	23.07	24.00	1.239	0.221	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.12 LTE Band 13 (10MHz Bandwidth)

Antenna	Power Reduction 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	18	QPSK	Left Cheek	0	23230	782	1	High	0.03	0.317	23.15	24.20	1.274	**0.404**	34#
	18			0	23230	782	25	Mid	0.09	0.252	22.24	24.20	1.570	0.396	/
	18		Left Tilt	0	23230	782	1	High	-0.03	0.045	23.15	24.20	1.274	0.057	/
	18			0	23230	782	25	Mid	0.16	0.033	22.24	24.20	1.570	0.052	/
	18		Right Cheek	0	23230	782	1	High	-0.12	0.140	23.15	24.20	1.274	0.178	/
	18			0	23230	782	25	Mid	-0.11	0.111	22.24	24.20	1.570	0.174	/
	18		Right Tilt	0	23230	782	1	High	-0.18	0.009	23.15	24.20	1.274	0.011	/
	18			0	23230	782	25	Mid	-0.11	0.006	22.24	24.20	1.570	0.009	/
ANT1	18	QPSK	Left Cheek	0	23230	782	1	Mid	-0.12	0.094	23.14	24.50	1.368	0.129	/
	18			0	23230	782	25	Mid	0.03	0.074	21.75	23.50	1.496	0.111	/
	18		Left Tilt	0	23230	782	1	Mid	-0.11	0.061	23.14	24.50	1.368	0.083	/
	18			0	23230	782	25	Mid	0.12	0.048	21.75	23.50	1.496	0.072	/
	18		Right Cheek	0	23230	782	1	Mid	0.04	0.131	23.14	24.50	1.368	0.179	/
	18			0	23230	782	25	Mid	-0.08	0.103	21.75	23.50	1.496	0.154	/
	18		Right Tilt	0	23230	782	1	Mid	-0.18	0.069	23.14	24.50	1.368	0.094	/
	18			0	23230	782	25	Mid	0.08	0.058	21.75	23.50	1.496	0.087	/
Body-worn Accessory															
ANT0	17	QPSK	Front Side	15	23230	782	1	High	0.18	0.081	23.15	24.20	1.274	0.103	/
	17			15	23230	782	25	Mid	0.04	0.063	22.24	24.20	1.570	0.099	/
	17		Back Side	15	23230	782	1	High	-0.13	0.099	23.15	24.20	1.274	0.126	/
	17			15	23230	782	25	Mid	-0.01	0.078	22.24	24.20	1.570	0.122	/
ANT1	17	QPSK	Front Side	15	23230	782	1	Mid	-0.14	0.157	23.14	24.50	1.368	0.215	/
	17			15	23230	782	25	Mid	-0.06	0.124	21.75	23.50	1.496	0.186	/
	17		Back Side	15	23230	782	1	Mid	-0.16	0.172	23.14	24.50	1.368	**0.235**	35#
	17			15	23230	782	25	Mid	0.08	0.139	21.75	23.50	1.496	0.208	/
Hotspot															
ANT0	17	QPSK	Front Side	10	23230	782	1	High	-0.19	0.133	23.15	24.20	1.274	0.169	/
	17			10	23230	782	25	Mid	-0.17	0.105	22.24	24.20	1.570	0.165	/
	17		Back Side	10	23230	782	1	High	0.05	0.168	23.15	24.20	1.274	0.214	/
	17			10	23230	782	25	Mid	0.13	0.133	22.24	24.20	1.570	0.209	/
	17		Right Edge	10	23230	782	1	High	0.02	0.324	23.15	24.20	1.274	**0.413**	36#
	17			10	23230	782	25	Mid	-0.16	0.258	22.24	24.20	1.570	0.405	/
	17		Top Edge	10	23230	782	1	High	-0.17	0.009	23.15	24.20	1.274	0.011	/
	17			10	23230	782	25	Mid	0.06	0.006	22.24	24.20	1.570	0.009	/
ANT1	17	QPSK	Front Side	10	23230	782	1	Mid	0.03	0.220	23.14	24.50	1.368	0.301	/
	17			10	23230	782	25	Mid	-0.01	0.177	21.75	23.50	1.496	0.265	/
	17		Back Side	10	23230	782	1	Mid	-0.11	0.254	23.14	24.50	1.368	0.347	/
	17			10	23230	782	25	Mid	0.04	0.207	21.75	23.50	1.496	0.310	/
	17		Left Edge	10	23230	782	1	Mid	0.11	0.102	23.14	24.50	1.368	0.140	/

	17			10	23230	782	25	Mid	-0.01	0.078	21.75	23.50	1.496	0.117	/
	17		Right Edge	10	23230	782	1	Mid	-0.12	0.057	23.14	24.50	1.368	0.078	/
	17			10	23230	782	25	Mid	0.17	0.044	21.75	23.50	1.496	0.066	/
	17		Bottom Edge	10	23230	782	1	Mid	0.01	0.136	23.14	24.50	1.368	0.186	/
	17			10	23230	782	25	Mid	-0.02	0.112	21.75	23.50	1.496	0.168	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.13 LTE Band 25 (20MHz Bandwidth)

Antenna	Power Reduction 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	18	QPSK	Left Cheek	0	26365	1882.5	1	High	0.05	0.273	16.87	17.90	1.268	0.346	/
	18			0	26365	1882.5	50	Low	0.08	0.286	16.97	17.90	1.239	0.354	/
	18		Left Tilt	0	26365	1882.5	1	High	0.00	0.327	16.87	17.90	1.268	0.415	/
	18			0	26365	1882.5	50	Low	-0.14	0.323	16.97	17.90	1.239	0.400	/
	18		Right Cheek	0	26365	1882.5	1	High	0.13	0.447	16.87	17.90	1.268	0.567	/
	18			0	26365	1882.5	50	Low	0.04	0.450	16.97	17.90	1.239	0.557	/
	18		Right Tilt	0	26365	1882.5	1	High	-0.11	0.486	16.87	17.90	1.268	**0.616**	37#
	18			0	26365	1882.5	50	Low	-0.12	0.471	16.97	17.90	1.239	0.583	/
ANT3 (only for ENDC)	18	QPSK	Left Cheek	0	26365	1882.5	1	Mid	0.03	0.151	13.33	14.50	1.309	0.198	/
	18			0	26365	1882.5	50	Low	0.05	0.120	13.54	14.50	1.247	0.150	/
	18		Left Tilt	0	26365	1882.5	1	Mid	0.00	0.181	13.33	14.50	1.309	0.237	/
	18			0	26365	1882.5	50	Low	0.04	0.144	13.54	14.50	1.247	0.180	/
	18		Right Cheek	0	26365	1882.5	1	Mid	-0.13	0.248	13.33	14.50	1.309	0.325	/
	18			0	26365	1882.5	50	Low	-0.11	0.194	13.54	14.50	1.247	0.242	/
	18		Right Tilt	0	26365	1882.5	1	Mid	-0.13	0.269	13.33	14.50	1.309	0.352	/
	18			0	26365	1882.5	50	Low	0.16	0.214	13.54	14.50	1.247	0.267	/
ANT4	18	QPSK	Left Cheek	0	26365	1882.5	1	Mid	-0.10	0.072	22.11	24.00	1.545	0.111	/
	18			0	26365	1882.5	50	Mid	-0.19	0.059	21.18	23.00	1.521	0.090	/
	18		Left Tilt	0	26365	1882.5	1	Mid	0.01	0.061	22.11	24.00	1.545	0.094	/
	18			0	26365	1882.5	50	Mid	-0.05	0.049	21.18	23.00	1.521	0.075	/
	18		Right Cheek	0	26365	1882.5	1	Mid	-0.02	0.078	22.11	24.00	1.545	0.121	/
	18			0	26365	1882.5	50	Mid	-0.01	0.064	21.18	23.00	1.521	0.097	/
	18		Right Tilt	0	26365	1882.5	1	Mid	-0.08	0.073	22.11	24.00	1.545	0.113	/
	18			0	26365	1882.5	50	Mid	-0.10	0.062	21.18	23.00	1.521	0.094	/
Body-worn Accessory															
ANT3	17	QPSK	Front Side	15	26365	1882.5	1	High	0.00	0.124	19.60	20.70	1.288	0.160	/
	17			15	26365	1882.5	50	High	0.17	0.123	19.66	20.70	1.271	0.156	/
	17		Back Side	15	26365	1882.5	1	High	-0.12	0.131	19.60	20.70	1.288	0.169	/
	17			15	26365	1882.5	50	High	-0.10	0.132	19.66	20.70	1.271	0.168	/
ANT3 (only for ENDC)	17	QPSK	Front Side	15	26365	1882.5	1	Low	0.02	0.094	18.38	19.50	1.294	0.122	/
	17			15	26365	1882.5	50	Mid	0.00	0.093	18.47	19.50	1.268	0.118	/
	17		Back Side	15	26365	1882.5	1	Low	-0.17	0.099	18.38	19.50	1.294	0.128	/
	17			15	26365	1882.5	50	Mid	0.02	0.100	18.47	19.50	1.268	0.127	/
ANT4	17	QPSK	Front Side	15	26365	1882.5	1	Mid	0.07	0.152	20.69	21.40	1.178	0.179	/
	17			15	26365	1882.5	50	High	-0.09	0.154	20.83	21.40	1.140	0.176	/
	17		Back Side	15	26365	1882.5	1	Mid	0.01	0.173	20.69	21.40	1.178	0.204	/
	17			15	26365	1882.5	50	High	0.12	0.181	20.83	21.40	1.140	**0.206**	38#
	17	QPSK	Front Side	15	26365	1882.5	1	Mid	-0.18	0.114	18.43	20.00	1.435	0.164	/
	17			15	26365	1882.5	50	Mid	-0.13	0.115	18.41	20.00	1.442	0.166	/

ANT4 (only for ENDC)	17		Back Side	15	26365	1882.5	1	Mid	-0.01	0.135	18.43	20.00	1.435	0.194	/
	17			15	26365	1882.5	50	Mid	-0.10	0.137	18.41	20.00	1.442	0.198	/
Hotspot															
ANT3	17	QPSK	Front Side	10	26365	1882.5	1	High	0.04	0.210	19.60	20.70	1.288	0.271	/
	17			10	26365	1882.5	50	High	-0.04	0.205	19.66	20.70	1.271	0.260	/
	17		Back Side	10	26365	1882.5	1	High	0.15	0.169	19.60	20.70	1.288	0.218	/
	17			10	26365	1882.5	50	High	-0.03	0.163	19.66	20.70	1.271	0.207	/
	17		Right Edge	10	26365	1882.5	1	High	0.14	0.036	19.60	20.70	1.288	0.046	/
	17			10	26365	1882.5	50	High	0.19	0.038	19.66	20.70	1.271	0.048	/
	17		Top Edge	10	26365	1882.5	1	High	0.05	0.357	19.60	20.70	1.288	**0.460**	39#
	17			10	26365	1882.5	50	High	-0.06	0.350	19.66	20.70	1.271	0.445	/
ANT3 (only for ENDC)	17	QPSK	Front Side	10	26365	1882.5	1	Low	-0.02	0.198	18.38	19.50	1.294	0.256	/
	17			10	26365	1882.5	50	Mid	-0.01	0.156	18.47	19.50	1.268	0.198	/
	17		Back Side	10	26365	1882.5	1	Low	0.03	0.160	18.38	19.50	1.294	0.207	/
	17			10	26365	1882.5	50	Mid	0.08	0.125	18.47	19.50	1.268	0.158	/
	17		Right Edge	10	26365	1882.5	1	Low	0.11	0.034	18.38	19.50	1.294	0.044	/
	17			10	26365	1882.5	50	Mid	-0.14	0.027	18.47	19.50	1.268	0.034	/
	17		Top Edge	10	26365	1882.5	1	Low	-0.12	0.298	18.38	19.50	1.294	0.386	/
	17			10	26365	1882.5	50	Mid	0.11	0.236	18.47	19.50	1.268	0.299	/
ANT4	17	QPSK	Front Side	10	26365	1882.5	1	Mid	0.08	0.216	20.69	21.40	1.178	0.254	/
	17			10	26365	1882.5	50	High	0.11	0.215	20.83	21.40	1.140	0.245	/
	17		Back Side	10	26365	1882.5	1	Mid	-0.17	0.292	20.69	21.40	1.178	0.344	/
	17			10	26365	1882.5	50	High	-0.02	0.278	20.83	21.40	1.140	0.317	/
	17		Left Edge	10	26365	1882.5	1	Mid	0.17	0.138	20.69	21.40	1.178	0.163	/
	17			10	26365	1882.5	50	High	0.06	0.141	20.83	21.40	1.140	0.161	/
	17		Bottom Edge	10	26365	1882.5	1	Mid	-0.01	0.383	20.69	21.40	1.178	0.451	/
	17			10	26365	1882.5	50	High	0.08	0.375	20.83	21.40	1.140	0.428	/
ANT4 (only for ENDC)	17	QPSK	Front Side	10	26365	1882.5	1	Mid	-0.12	0.194	18.43	20.00	1.435	0.278	/
	17			10	26365	1882.5	50	Mid	0.02	0.157	18.41	20.00	1.442	0.226	/
	17		Back Side	10	26365	1882.5	1	Mid	0.19	0.263	18.43	20.00	1.435	0.378	/
	17			10	26365	1882.5	50	Mid	-0.08	0.214	18.41	20.00	1.442	0.309	/
	17		Left Edge	10	26365	1882.5	1	Mid	-0.01	0.125	18.43	20.00	1.435	0.179	/
	17			10	26365	1882.5	50	Mid	0.05	0.100	18.41	20.00	1.442	0.144	/
	17		Bottom Edge	10	26365	1882.5	1	Mid	-0.02	0.315	18.43	20.00	1.435	0.452	/
	17			10	26365	1882.5	50	Mid	-0.03	0.284	18.41	20.00	1.442	0.410	/

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

10.14 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction 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	18	QPSK	Left Cheek	0	26765	821.5	1	Low	0.14	0.485	22.62	23.70	1.282	**0.622**	40#
	18			0	26965	841.5	36	Mid	0.17	0.415	21.74	22.70	1.247	0.518	/
	18		Left Tilt	0	26765	821.5	1	Low	-0.01	0.064	22.62	23.70	1.282	0.082	/
	18			0	26965	841.5	36	Mid	0.03	0.060	21.74	22.70	1.247	0.075	/
	18		Right Cheek	0	26765	821.5	1	Low	-0.08	0.217	22.62	23.70	1.282	0.278	/
	18			0	26965	841.5	36	Mid	-0.03	0.203	21.74	22.70	1.247	0.253	/
	18		Right Tilt	0	26765	821.5	1	Low	-0.03	0.047	22.62	23.70	1.282	0.060	/
	18			0	26965	841.5	36	Mid	-0.13	0.030	21.74	22.70	1.247	0.037	/
ANT0 (only for ENDC)	18	QPSK	Left Cheek	0	26765	821.5	1	Low	-0.09	0.372	21.62	22.70	1.282	0.477	/
	18			0	26965	841.5	36	Mid	0.18	0.357	20.74	21.70	1.247	0.445	/
	18		Left Tilt	0	26765	821.5	1	Low	-0.07	0.049	21.62	22.70	1.282	0.063	/
	18			0	26965	841.5	36	Mid	-0.18	0.046	20.74	21.70	1.247	0.057	/
	18		Right Cheek	0	26765	821.5	1	Low	-0.03	0.166	21.62	22.70	1.282	0.213	/
	18			0	26965	841.5	36	Mid	0.01	0.156	20.74	21.70	1.247	0.195	/
	18		Right Tilt	0	26765	821.5	1	Low	-0.08	0.036	21.62	22.70	1.282	0.046	/
	18			0	26965	841.5	36	Mid	0.01	0.015	20.74	21.70	1.247	0.019	/
ANT1	18	QPSK	Left Cheek	0	26865	831.5	1	Low	-0.15	0.098	22.58	24.00	1.387	0.136	/
	18			0	26965	841.5	36	Mid	0.14	0.077	21.53	23.00	1.403	0.108	/
	18		Left Tilt	0	26865	831.5	1	Low	-0.12	0.063	22.58	24.00	1.387	0.087	/
	18			0	26965	841.5	36	Mid	0.12	0.051	21.53	23.00	1.403	0.072	/
	18		Right Cheek	0	26865	831.5	1	Low	-0.12	0.140	22.58	24.00	1.387	0.194	/
	18			0	26965	841.5	36	Mid	-0.15	0.115	21.53	23.00	1.403	0.161	/
	18		Right Tilt	0	26865	831.5	1	Low	-0.09	0.079	22.58	24.00	1.387	0.110	/
	18			0	26965	841.5	36	Mid	0.06	0.064	21.53	23.00	1.403	0.090	/
Body-worn Accessory															
ANT0	17	QPSK	Front Side	15	26865	831.5	1	Low	0.01	0.114	22.62	23.70	1.282	0.146	/
	17			15	26965	841.5	36	Mid	0.01	0.096	21.74	22.70	1.247	0.120	/
	17		Back Side	15	26865	831.5	1	Low	-0.12	0.141	22.62	23.70	1.282	0.181	/
	17			15	26965	841.5	36	Mid	-0.08	0.123	21.74	22.70	1.247	0.153	/
ANT0 (only for ENDC)	17	QPSK	Front Side	15	26865	831.5	1	Mid	-0.18	0.074	20.69	21.70	1.262	0.093	/
	17			15	26965	841.5	36	Mid	0.00	0.062	20.83	21.70	1.222	0.076	/
	17		Back Side	15	26865	831.5	1	Mid	0.08	0.092	20.69	21.70	1.262	0.116	/
	17			15	26965	841.5	36	Mid	0.13	0.080	20.83	21.70	1.222	0.098	/
ANT1	17	QPSK	Front Side	15	26865	831.5	1	Low	0.16	0.149	22.58	24.00	1.387	0.207	/
	17			15	26965	841.5	36	Mid	0.17	0.121	21.53	23.00	1.403	0.170	/
	17		Back Side	15	26865	831.5	1	Low	-0.18	0.168	22.58	24.00	1.387	**0.233**	41#
	17			15	26965	841.5	36	Mid	-0.14	0.135	21.53	23.00	1.403	0.189	/
Hotspot															
ANT0	17	QPSK	Front Side	10	26865	831.5	1	Low	-0.16	0.214	22.62	23.70	1.282	0.274	/

	17			10	26965	841.5	36	Mid	0.07	0.182	21.74	22.70	1.247	0.227	/
	17		Back Side	10	26865	831.5	1	Low	-0.17	0.263	22.62	23.70	1.282	0.337	/
	17			10	26965	841.5	36	Mid	0.06	0.223	21.74	22.70	1.247	0.278	/
	17		Right Edge	10	26865	831.5	1	Low	0.15	0.469	22.62	23.70	1.282	**0.601**	42#
	17			10	26965	841.5	36	Mid	-0.07	0.392	21.74	22.70	1.247	0.489	/
	17		Top Edge	10	26865	821.5	1	Low	0.13	0.011	22.62	23.70	1.282	0.014	/
	17			10	26965	831.5	36	Mid	0.19	0.009	21.74	22.70	1.247	0.011	/
ANT0 (only for ENDC)	17	QPSK	Front Side	10	26865	831.5	1	Mid	-0.16	0.130	20.69	21.70	1.262	0.164	/
	17			10	26965	841.5	36	Mid	-0.17	0.110	20.83	21.70	1.222	0.134	/
	17		Back Side	10	26865	831.5	1	Mid	0.09	0.160	20.69	21.70	1.262	0.202	/
	17			10	26965	841.5	36	Mid	-0.19	0.135	20.83	21.70	1.222	0.165	/
	17		Right Edge	10	26865	831.5	1	Mid	0.07	0.285	20.69	21.70	1.262	0.360	/
	17			10	26965	841.5	36	Mid	0.18	0.238	20.83	21.70	1.222	0.291	/
	17		Top Edge	10	26865	821.5	1	Mid	-0.09	0.006	20.69	21.70	1.262	0.008	/
	17			10	26965	831.5	36	Mid	0.04	0.004	20.83	21.70	1.222	0.005	/
ANT1	17	QPSK	Front Side	10	26865	831.5	1	Low	-0.05	0.259	22.58	24.00	1.387	0.359	/
	17			10	26965	841.5	36	Mid	-0.11	0.214	21.53	23.00	1.403	0.300	/
	17		Back Side	10	26865	831.5	1	Low	-0.18	0.325	22.58	24.00	1.387	0.451	/
	17			10	26965	841.5	36	Mid	0.18	0.283	21.53	23.00	1.403	0.397	/
	17		Left Edge	10	26865	831.5	1	Low	-0.01	0.155	22.58	24.00	1.387	0.215	/
	17			10	26965	841.5	36	Mid	-0.19	0.131	21.53	23.00	1.403	0.184	/
	17		Right Edge	10	26865	831.5	1	Low	0.03	0.071	22.58	24.00	1.387	0.098	/
	17			10	26965	841.5	36	Mid	-0.15	0.060	21.53	23.00	1.403	0.084	/
	17		Bottom Edge	10	26865	831.5	1	Low	-0.11	0.192	22.58	24.00	1.387	0.266	/
	17			10	26965	841.5	36	Mid	-0.01	0.163	21.53	23.00	1.403	0.229	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.15 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction 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	18	QPSK	Left Cheek	0	132072	1720	1	Low	0.13	0.411	15.10	16.20	1.288	0.529	/
	18			0	132072	1720	50	Mid	0.01	0.403	15.24	16.20	1.247	0.503	/
	18		Left Tilt	0	132072	1720	1	Low	0.08	0.500	15.10	16.20	1.288	0.644	/
	18			0	132072	1720	50	Mid	0.06	0.509	15.24	16.20	1.247	0.635	/
	18		Right Cheek	0	132072	1720	1	Low	-0.06	0.554	15.10	16.20	1.288	0.714	/
	18			0	132072	1720	50	Mid	0.17	0.555	15.24	16.20	1.247	0.692	/
	18		Right Tilt	0	132072	1720	1	Low	0.01	0.640	15.10	16.20	1.288	0.824	/
	18			0	132322	1745	1	Low	0.08	0.658	15.08	16.20	1.294	**0.852**	43#
	18			0	132572	1770	1	High	0.15	0.646	15.09	16.20	1.291	0.834	/
	18			0	132072	1720	50	Mid	-0.19	0.630	15.24	16.20	1.247	0.786	/
	18			0	132072	1720	100	Low	-0.14	0.638	15.22	16.20	1.253	0.800	/
ANT4	18	QPSK	Left Cheek	0	132072	1720	1	Low	0.09	0.136	22.59	24.00	1.384	0.188	/
	18			0	132072	1720	50	Mid	0.13	0.111	21.67	23.00	1.358	0.151	/
	18		Left Tilt	0	132072	1720	1	Low	0.00	0.094	22.59	24.00	1.384	0.130	/
	18			0	132072	1720	50	Mid	0.00	0.078	21.67	23.00	1.358	0.106	/
	18		Right Cheek	0	132072	1720	1	Low	0.12	0.073	22.59	24.00	1.384	0.101	/
	18			0	132072	1720	50	Mid	-0.03	0.060	21.67	23.00	1.358	0.081	/
	18		Right Tilt	0	132072	1720	1	Low	-0.13	0.106	22.59	24.00	1.384	0.147	/
	18			0	132072	1720	50	Mid	-0.02	0.080	21.67	23.00	1.358	0.109	/
ANT4 (only for ENDC)	18	QPSK	Left Cheek	0	132322	1745	1	Low	0.14	0.075	23.28	23.50	1.052	0.079	/
	18			0	132322	1745	50	Mid	0.07	0.057	22.24	22.50	1.062	0.061	/
	18		Left Tilt	0	132322	1745	1	Low	-0.06	0.086	23.28	23.50	1.052	0.090	/
	18			0	132322	1745	50	Mid	0.14	0.061	22.24	22.50	1.062	0.065	/
	18		Right Cheek	0	132322	1745	1	Low	-0.16	0.098	23.28	23.50	1.052	0.103	/
	18			0	132322	1745	50	Mid	-0.15	0.071	22.24	22.50	1.062	0.075	/
	18		Right Tilt	0	132322	1745	1	Low	-0.02	0.070	23.28	23.50	1.052	0.074	/
	18			0	132322	1745	50	Mid	-0.14	0.057	22.24	22.50	1.062	0.061	/
ANT5 (only for ENDC)	18	QPSK	Left Cheek	0	132322	1745	1	Low	-0.01	0.106	16.30	16.50	1.047	0.111	/
	18			0	132322	1745	50	High	-0.09	0.109	16.01	16.50	1.119	0.122	/
	18		Left Tilt	0	132322	1745	1	Low	-0.14	0.048	16.30	16.50	1.047	0.050	/
	18			0	132322	1745	50	High	-0.15	0.051	16.01	16.50	1.119	0.057	/
	18		Right Cheek	0	132322	1745	1	Low	-0.02	0.264	16.30	16.50	1.047	0.276	/
	18			0	132322	1745	50	High	0.02	0.274	16.01	16.50	1.119	0.307	/
	18		Right Tilt	0	132322	1745	1	Low	0.13	0.109	16.30	16.50	1.047	0.114	/
	18			0	132322	1745	50	High	0.05	0.112	16.01	16.50	1.119	0.125	/
Body-worn Accessory															
ANT3	17	QPSK	Front Side	15	132072	1720	1	Low	0.01	0.155	18.58	19.70	1.294	0.201	/
	17			15	132072	1720	50	Mid	-0.04	0.162	18.67	19.70	1.268	0.205	/
	17		Back Side	15	132072	1720	1	Low	0.12	0.151	18.58	19.70	1.294	0.195	/

	17			15	132072	1720	50	Mid	0.15	0.161	18.67	19.70	1.268	0.204	/
ANT4	17	QPSK	Front Side	15	132072	1720	1	Low	-0.07	0.234	21.71	22.50	1.199	0.281	/
	17			15	132072	1720	50	Mid	0.06	0.241	21.75	22.50	1.189	0.286	/
	17		Back Side	15	132072	1720	1	Low	-0.09	0.261	21.71	22.50	1.199	0.313	/
	17			15	132072	1720	50	Mid	0.06	0.264	21.75	22.50	1.189	**0.314**	44#
ANT4 (only for ENDC)	17	QPSK	Front Side	15	132322	1745	1	Low	0.08	0.155	21.27	21.50	1.054	0.163	/
	17			15	132322	1745	50	High	-0.03	0.140	21.22	21.50	1.067	0.149	/
	17		Back Side	15	132322	1745	1	Low	0.19	0.216	21.27	21.50	1.054	0.228	/
	17			15	132322	1745	50	High	-0.14	0.167	21.22	21.50	1.067	0.178	/
ANT5 (only for ENDC)	17	QPSK	Front Side	15	132322	1745	1	Low	0.06	0.125	22.23	22.50	1.064	0.133	/
	17			15	132322	1745	50	Mid	-0.11	0.121	21.05	21.50	1.109	0.134	/
	17		Back Side	15	132322	1745	1	Low	0.11	0.172	22.23	22.50	1.064	0.183	/
	17			15	132322	1745	50	Mid	-0.14	0.153	21.05	21.50	1.109	0.170	/
Hotspot															
ANT3	17	QPSK	Front Side	10	132072	1720	1	Low	-0.17	0.251	18.58	19.70	1.294	0.325	/
	17			10	132072	1720	50	Mid	0.00	0.246	18.67	19.70	1.268	0.312	/
	17		Back Side	10	132072	1720	1	Low	0.05	0.238	18.58	19.70	1.294	0.308	/
	17			10	132072	1720	50	Mid	0.11	0.231	18.67	19.70	1.268	0.293	/
	17		Right Edge	10	132072	1720	1	Low	0.16	0.046	18.58	19.70	1.294	0.060	/
	17			10	132072	1720	50	Mid	0.15	0.041	18.67	19.70	1.268	0.052	/
	17		Top Edge	10	132072	1720	1	Low	-0.19	0.362	18.58	19.70	1.294	0.468	/
	17			10	132072	1720	50	Mid	-0.07	0.364	18.67	19.70	1.268	0.461	/
ANT4	17	QPSK	Front Side	10	132072	1720	1	Low	0.09	0.267	21.71	22.50	1.199	0.320	/
	17			10	132322	1747.5	50	Mid	-0.02	0.259	21.75	22.50	1.189	0.308	/
	17		Back Side	10	132072	1720	1	Low	-0.15	0.298	21.71	22.50	1.199	0.358	/
	17			10	132322	1747.5	50	Mid	0.18	0.285	21.75	22.50	1.189	0.339	/
	17		Left Edge	10	132072	1720	1	Low	-0.12	0.161	21.71	22.50	1.199	0.193	/
	17			10	132322	1747.5	50	Mid	0.02	0.159	21.75	22.50	1.189	0.189	/
	17		Bottom Edge	10	132072	1720	1	Low	-0.01	0.460	21.71	22.50	1.199	**0.552**	45#
	17			10	132322	1745	50	Mid	0.09	0.429	21.49	22.50	1.262	0.541	/
ANT4 (only for ENDC)	17	QPSK	Front Side	10	132322	1745	1	Low	-0.06	0.221	21.27	21.50	1.054	0.233	/
	17			10	132322	1745	50	High	0.07	0.215	21.22	21.50	1.067	0.229	/
	17		Back Side	10	132322	1745	1	Low	-0.13	0.254	21.27	21.50	1.054	0.268	/
	17			10	132322	1745	50	High	0.18	0.245	21.22	21.50	1.067	0.261	/
	17		Left Edge	10	132322	1745	1	Low	0.08	0.121	21.27	21.50	1.054	0.128	/
	17			10	132322	1745	50	High	0.04	0.109	21.22	21.50	1.067	0.116	/
	17		Bottom Edge	10	132322	1745	1	Low	-0.02	0.436	21.27	21.50	1.054	0.460	/
	17			10	132322	1745	50	High	-0.10	0.427	21.22	21.50	1.067	0.455	/
ANT5 (only for ENDC)	17	QPSK	Front Side	10	132322	1745	1	Low	0.19	0.183	22.23	22.50	1.064	0.195	/
	17			10	132322	1745	50	Mid	-0.10	0.145	21.05	21.50	1.109	0.161	/
	17		Back Side	10	132322	1745	1	Low	-0.13	0.264	22.23	22.50	1.064	0.281	/
	17			10	132322	1745	50	Mid	0.06	0.204	21.05	21.50	1.109	0.226	/
	17		Right Edge	10	132322	1745	1	Low	-0.18	0.336	22.23	22.50	1.064	0.358	/
	17			10	132322	1745	50	Mid	-0.14	0.297	21.05	21.50	1.109	0.329	/
	17		Top Edge	10	132322	1745	1	Low	-0.17	0.011	22.23	22.50	1.064	0.012	/

	17			10	132322	1745	50	Mid	-0.08	0.009	21.05	21.50	1.109	0.010	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.16 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction 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	18	QPSK	Left Cheek	0	38000	2595	1	Low	-0.16	0.542	18.37	18.40	1.007	0.546	/
	18			0	38000	2595	50	Mid	0.03	0.547	18.38	18.40	1.005	0.550	/
	18		Left Tilt	0	38000	2595	1	Low	-0.16	0.652	18.37	18.40	1.007	0.657	/
	18			0	38000	2595	50	Mid	-0.06	0.657	18.38	18.40	1.005	0.660	/
	18		Right Cheek	0	38000	2595	1	Low	-0.15	0.984	18.37	18.40	1.007	0.991	/
	18			0	37850	2580	1	Mid	0.17	0.962	18.36	18.40	1.009	0.971	/
	18			0	38150	2610	1	Low	-0.13	0.968	18.27	18.40	1.030	0.997	/
	18			0	38000	2595	50	Mid	0.17	0.933	18.38	18.40	1.005	0.937	/
	18			0	37850	2580	50	Low	-0.08	0.945	18.37	18.40	1.007	0.952	/
	18			0	38150	2610	50	Low	0.05	0.889	18.18	18.40	1.052	0.935	/
	18			0	38000	2595	100	Low	0.16	0.923	18.35	18.40	1.012	0.934	/
	18		Right Tilt	0	38000	2595	1	Low	0.07	0.946	18.37	18.40	1.007	0.953	/
	18			0	37850	2580	1	Mid	-0.13	0.995	18.36	18.40	1.009	**1.004**	46#
	18			0	38150	2610	1	Low	-0.14	0.898	18.27	18.40	1.030	0.925	/
	18			0	38000	2595	50	Mid	0.11	0.953	18.38	18.40	1.005	0.957	/
	18			0	37850	2580	50	Low	0.09	0.919	18.37	18.40	1.007	0.925	/
	18			0	38150	2610	50	Low	0.00	0.915	18.18	18.40	1.052	0.963	/
	18			0	38000	2595	100	Low	-0.05	0.951	18.35	18.40	1.012	0.962	/
ANT4	18	QPSK	Left Cheek	0	38000	2595	1	High	-0.03	0.073	22.81	24.50	1.476	0.108	/
	18			0	38000	2595	50	High	0.02	0.057	21.97	23.50	1.422	0.081	/
	18		Left Tilt	0	38000	2595	1	High	0.02	0.052	22.81	24.50	1.476	0.077	/
	18			0	38000	2595	50	High	0.03	0.039	21.97	23.50	1.422	0.055	/
	18		Right Cheek	0	38000	2595	1	High	-0.10	0.093	22.81	24.50	1.476	0.137	/
	18			0	38000	2595	50	High	0.03	0.071	21.97	23.50	1.422	0.101	/
	18		Right Tilt	0	38000	2595	1	High	0.10	0.004	22.81	24.50	1.476	0.006	/
	18			0	38000	2595	50	High	0.05	0.006	21.97	23.50	1.422	0.009	/
Body-worn Accessory															
ANT3	17	QPSK	Front Side	15	38150	2610	1	Low	0.10	0.140	19.59	19.70	1.026	0.143	/
	17			15	38000	2595	50	Mid	-0.13	0.121	19.57	19.70	1.030	0.125	/
	17		Back Side	15	38150	2610	1	Low	0.10	0.140	19.59	19.70	1.026	0.143	/
	17			15	38000	2595	50	Mid	-0.13	0.121	19.57	19.70	1.030	0.125	/
ANT4	17	QPSK	Front Side	15	37850	2580	1	Low	-0.15	0.143	21.21	22.50	1.346	0.192	/
	17			15	38150	2610	50	Mid	0.08	0.151	21.36	22.50	1.300	**0.196**	47#
	17		Back Side	15	37850	2580	1	Low	0.19	0.126	21.21	22.50	1.346	0.170	/
	17			15	38150	2610	50	Mid	-0.10	0.127	21.36	22.50	1.300	0.165	/
Hotspot															
ANT3	17	QPSK	Front Side	10	38150	2610	1	Low	0.10	0.202	19.59	19.70	1.026	0.207	/
	17			10	38000	2595	50	Mid	-0.13	0.205	19.57	19.70	1.030	0.211	/
	17		Back Side	10	38150	2610	1	Low	-0.16	0.210	19.59	19.70	1.026	0.215	/

	17			10	38000	2595	50	Mid	-0.12	0.218	19.57	19.70	1.030	0.225	/
	17		Right Edge	10	38150	2610	1	Low	0.13	0.178	19.59	19.70	1.026	0.183	/
	17			10	38000	2595	50	Mid	-0.07	0.176	19.57	19.70	1.030	0.181	/
	17		Top Edge	10	38000	2595	1	Low	0.05	0.468	19.59	19.70	1.026	**0.480**	48#
	17			10	38000	2595	50	Mid	-0.04	0.439	19.57	19.70	1.030	0.452	/
ANT4	17	QPSK	Front Side	10	37850	2580	1	Low	-0.06	0.277	21.21	22.50	1.346	0.373	/
	17			10	38150	2610	50	Mid	-0.04	0.271	21.36	22.50	1.300	0.352	/
	17		Back Side	10	37850	2580	1	Low	0.07	0.275	21.21	22.50	1.346	0.370	/
	17			10	38150	2610	50	Mid	-0.16	0.274	21.36	22.50	1.300	0.356	/
	17		Left Edge	10	37850	2580	1	Low	0.05	0.110	21.21	22.50	1.346	0.148	/
	17			10	38150	2610	50	Mid	-0.18	0.107	21.36	22.50	1.300	0.139	/
	17		Bottom Edge	10	37850	2580	1	Low	0.09	0.276	21.21	22.50	1.346	0.371	/
	17			10	38150	2610	50	Mid	0.10	0.269	21.36	22.50	1.300	0.350	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

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

Antenna	Power Reduction 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	18	QPSK	Right Tilt	0	38099+ 37901	2604.9+ 2624.7	1+1	High+ Low	0.05	0.824	17.82	18.40	1.143	0.942	/
	18			0	37850+ 38048	2580+ 2598.8	1+1	High+ Low	0.11	0.881	17.88	18.40	1.127	**0.993**	101#
	18			0	38150+ 37952	2610+ 2590.2	1+1	Low+ High	-0.02	0.817	17.86	18.40	1.132	0.925	/
Body-worn Accessory															
ANT3	17	QPSK	Back Side	15	38099+ 37901	2604.9+ 2624.7	1+1	High+ Low	0.05	0.102	19.59	19.70	1.026	0.105	/
	17			15	37850+ 38048	2580+ 2598.8	1+1	High+ Low	0.07	0.114	19.58	19.70	1.028	0.117	/
	17			15	38150+ 37952	2610+ 2590.2	1+1	Low+ High	-0.03	0.133	19.47	19.70	1.054	**0.140**	102#
Hotspot															
ANT3	17	QPSK	Top Edge	10	38099+ 37901	2604.9+ 2624.7	1+1	High+ Low	0.05	0.308	19.59	19.70	1.026	0.316	/
	17			10	37850+ 38048	2580+ 2598.8	1+1	High+ Low	0.08	0.312	19.58	19.70	1.028	**0.321**	103#
	17			10	38150+ 37952	2610+ 2590.2	1+1	Low+ High	-0.01	0.301	19.47	19.70	1.054	0.317	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.18 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction 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 (CLASS 2)	18	QPSK	Left Cheek	0	40620	2593	1	Low	0.12	0.422	19.11	19.30	1.045	0.441	/
	18			0	40620	2593	50	Low	0.12	0.436	19.19	19.30	1.026	0.447	/
	18		Left Tilt	0	40620	2593	1	Low	-0.03	0.532	19.11	19.30	1.045	0.556	/
	18			0	40620	2593	50	Low	0.08	0.529	19.19	19.30	1.026	0.543	/
	18		Right Cheek	0	40620	2593	1	Low	-0.08	0.558	19.11	19.30	1.045	0.583	/
	18			0	40620	2593	50	Low	-0.12	0.562	19.19	19.30	1.026	0.576	/
	18		Right Tilt	0	40620	2593	1	Low	-0.17	0.655	19.11	19.30	1.045	**0.684**	49#
	18			0	40620	2593	50	Low	-0.09	0.641	19.19	19.30	1.026	0.657	/
ANT4 (CLASS 2)	18	QPSK	Left Cheek	0	40620	2593	1	Mid	-0.14	0.105	24.37	26.00	1.455	0.153	/
	18			0	40620	2593	50	High	0.11	0.082	23.52	25.00	1.406	0.115	/
	18		Left Tilt	0	40620	2593	1	Mid	-0.18	0.069	24.37	26.00	1.455	0.100	/
	18			0	40620	2593	50	High	0.13	0.055	23.52	25.00	1.406	0.077	/
	18		Right Cheek	0	40620	2593	1	Mid	0.00	0.108	24.37	26.00	1.455	0.157	/
	18			0	40620	2593	50	High	-0.16	0.091	23.52	25.00	1.406	0.128	/
	18		Right Tilt	0	40620	2593	1	Mid	-0.18	0.012	24.37	26.00	1.455	0.017	/
	18			0	40620	2593	50	High	-0.03	0.010	23.52	25.00	1.406	0.014	/
ANT4 (CLASS 3)	18	QPSK	Left Cheek	0	40620	2593	1	Low	0.05	0.075	22.99	23.50	1.125	0.084	/
	18			0	40620	2593	50	Mid	0.01	0.055	23.18	23.50	1.076	0.059	/
	18		Left Tilt	0	40620	2593	1	Low	0.05	0.075	22.99	23.50	1.125	0.084	/
	18			0	40620	2593	50	Mid	0.01	0.055	23.18	23.50	1.076	0.059	/
	18		Right Cheek	0	40620	2593	1	Low	0.05	0.075	22.99	23.50	1.125	0.084	/
	18			0	40620	2593	50	Mid	0.01	0.055	23.18	23.50	1.076	0.059	/
	18		Right Tilt	0	40620	2593	1	Low	0.05	0.075	22.99	23.50	1.125	0.084	/
	18			0	40620	2593	50	Mid	0.01	0.055	23.18	23.50	1.076	0.059	/
Body-worn Accessory															
ANT3 (CLASS 2)	17	QPSK	Front Side	15	40620	2593	1	Low	-0.17	0.099	20.71	21.00	1.069	0.106	/
	17			15	40620	2593	50	High	-0.05	0.098	20.83	21.00	1.040	0.102	/
	17		Back Side	15	40620	2593	1	Low	0.11	0.115	20.71	21.00	1.069	0.123	/
	17			15	40620	2593	50	High	0.07	0.113	20.83	21.00	1.040	0.118	/
ANT4 (CLASS 2)	17	QPSK	Front Side	15	40620	2593	1	Low	0.08	0.123	22.32	23.90	1.439	**0.177**	50#
	17			15	40620	2593	50	High	0.06	0.121	22.45	23.90	1.396	0.169	/
	17		Back Side	15	40620	2593	1	Low	0.05	0.107	22.32	23.90	1.439	0.154	/
	17			15	40620	2593	50	High	-0.14	0.108	22.45	23.90	1.396	0.151	/
Hotspot															
ANT3 (CLASS 2)	17	QPSK	Front Side	10	40620	2593	1	Low	-0.14	0.117	20.71	21.00	1.069	0.125	/
	17			10	40620	2593	50	High	-0.18	0.108	20.83	21.00	1.040	0.112	/
	17		Back Side	10	40620	2593	1	Low	-0.03	0.115	20.71	21.00	1.069	0.123	/
	17			10	40620	2593	50	High	0.16	0.113	20.83	21.00	1.040	0.118	/
	17		Right Edge	10	40620	2593	1	Low	0.05	0.094	20.71	21.00	1.069	0.100	/

	17			10	40620	2593	50	High	-0.08	0.093	20.83	21.00	1.040	0.097	/
	17		Top Edge	10	40620	2593	1	Low	0.00	0.384	20.71	21.00	1.069	**0.411**	51#
	17			10	40620	2593	50	High	-0.07	0.373	20.83	21.00	1.040	0.388	/
ANT4 (CLASS 2)	17	QPSK	Front Side	10	40620	2593	1	Low	-0.06	0.180	22.32	23.90	1.439	0.259	/
	17			10	40620	2593	50	High	0.02	0.174	22.45	23.90	1.396	0.243	/
	17		Back Side	10	40620	2593	1	Low	0.08	0.157	22.32	23.90	1.439	0.226	/
	17			10	40620	2593	50	High	-0.04	0.158	22.45	23.90	1.396	0.221	/
	17		Left Edge	10	40620	2593	1	Low	-0.18	0.070	22.32	23.90	1.439	0.101	/
	17			10	40620	2593	50	High	0.14	0.075	22.45	23.90	1.396	0.105	/
	17		Bottom Edge	10	40620	2593	1	Low	0.08	0.175	22.32	23.90	1.439	0.252	/
	17			10	40620	2593	50	High	0.04	0.172	22.45	23.90	1.396	0.240	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

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

Antenna	Power Reduction 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 (CLASS 2)	18		Right Tilt	0	39750+ 39948	2506+ 2505.8	1+1	High+ Low	0.04	0.390	16.02	17.50	1.406	0.548	/
	18			0	40185+ 40383	2549.5+ 2569.3	1+1	High+ Low	0.00	0.439	16.52	17.50	1.253	**0.550**	104#
	18			0	40620+ 40818	2593+ 2612.8	1+1	High+ Low	-0.12	0.412	16.85	17.50	1.161	0.479	/
	18			0	41055+ 40857	2636.5+ 2616.7	1+1	Low+ High	0.06	0.425	16.80	17.50	1.175	0.499	/
	18			0	41490+ 41292	2680+ 2660.2	1+1	Low+ High	-0.09	0.408	16.77	17.50	1.183	0.483	/
Body-worn Accessory															
ANT3 (CLASS 2)	17		Back Side	0	39750+ 39948	2506+ 2505.8	1+1	High+ Low	0.05	0.098	22.56	23.20	1.159	0.114	/
	17			0	40185+ 40383	2549.5+ 2569.3	1+1	High+ Low	-0.12	0.087	22.61	23.20	1.146	0.100	/
	17			0	40620+ 40818	2593+ 2612.8	1+1	High+ Low	-0.02	0.109	22.42	23.20	1.197	**0.130**	105#
	17			0	41055+ 40857	2636.5+ 2616.7	1+1	Low+ High	0.07	0.095	22.34	23.20	1.219	0.116	/
	17			0	41490+ 41292	2680+ 2660.2	1+1	Low+ High	0.01	0.101	22.51	23.20	1.172	0.118	/
Hotspot															
ANT3 (CLASS 2)	17		Top Edge	10	39750+ 39948	2506+ 2505.8	1+1	High+ Low	-0.01	0.251	18.91	19.20	1.069	0.268	/
	17			10	40185+ 40383	2549.5+ 2569.3	1+1	High+ Low	0.13	0.262	18.93	19.20	1.064	**0.279**	106#
	17			10	40620+ 40818	2593+ 2612.8	1+1	High+ Low	0.07	0.247	18.81	19.20	1.094	0.270	/
	17			10	41055+ 40857	2636.5+ 2616.7	1+1	Low+ High	-0.18	0.237	18.70	19.20	1.122	0.266	/
	17			10	41490+ 41292	2680+ 2660.2	1+1	Low+ High	0.17	0.229	18.58	19.20	1.153	0.264	/

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

10.20 n5 (20MHz Bandwidth)

Antenna	Power Reduction state	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB 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	18	SA	Left Cheek	0	167300	836.5	1	1	-0.06	0.466	23.86	23.90	1.009	**0.470**	52#
	18			0	167300	836.5	50	0	0.17	0.465	23.87	23.90	1.007	0.468	/
	18		Left Tilt	0	167300	836.5	1	1	-0.07	0.062	23.86	23.90	1.009	0.063	/
	18			0	167300	836.5	50	0	0.09	0.064	23.87	23.90	1.007	0.064	/
	18		Right Cheek	0	167300	836.5	1	1	-0.05	0.205	23.86	23.90	1.009	0.207	/
	18			0	167300	836.5	50	0	0.14	0.208	23.87	23.90	1.007	0.209	/
	18		Right Tilt	0	167300	836.5	1	1	-0.01	0.046	23.86	23.90	1.009	0.046	/
	18			0	167300	836.5	50	0	-0.07	0.047	23.87	23.90	1.007	0.047	/
ANT0	18	NSA	Left Cheek	0	167300	836.5	1	53	0.01	0.221	19.89	19.90	1.002	0.222	/
	18			0	167300	836.5	50	0	-0.05	0.229	19.62	19.90	1.067	0.244	/
	18		Left Tilt	0	167300	836.5	1	53	0.03	0.010	19.89	19.90	1.002	0.010	/
	18			0	167300	836.5	50	0	-0.07	0.011	19.62	19.90	1.067	0.012	/
	18		Right Cheek	0	167300	836.5	1	53	0.06	0.106	19.89	19.90	1.002	0.106	/
	18			0	167300	836.5	50	0	0.01	0.109	19.62	19.90	1.067	0.116	/
	18		Right Tilt	0	167300	836.5	1	53	-0.12	0.009	19.89	19.90	1.002	0.009	/
	18			0	167300	836.5	50	0	0.00	0.008	19.62	19.90	1.067	0.009	/
ANT1	18	SA&NSA	Left Cheek	0	167800	839	1	1	-0.16	0.015	23.01	24.20	1.315	0.020	/
	18			0	167300	836.5	50	28	0.12	0.014	22.81	24.20	1.377	0.019	/
	18		Left Tilt	0	167800	839	1	1	0.04	0.008	23.01	24.20	1.315	0.011	/
	18			0	167300	836.5	50	28	-0.08	0.009	22.81	24.20	1.377	0.012	/
	18		Right Cheek	0	167800	839	1	1	0.02	0.013	23.01	24.20	1.315	0.017	/
	18			0	167300	836.5	50	28	0.18	0.014	22.81	24.20	1.377	0.019	/
	18		Right Tilt	0	167800	839	1	1	0.09	0.006	23.01	24.20	1.315	0.008	/
	18			0	167300	836.5	50	28	0.06	0.003	22.81	24.20	1.377	0.004	/
Body-worn Accessory															
ANT0	17	SA	Front Side	15	167300	836.5	1	1	0.05	0.128	23.86	23.90	1.009	0.129	/
	17			15	166800	834	50	0	-0.06	0.127	23.87	23.90	1.007	0.128	/
	17		Back Side	15	167300	836.5	1	1	0.13	0.155	23.86	23.90	1.009	**0.156**	53#
	17			15	166800	834	50	0	0.17	0.145	23.87	23.90	1.007	0.146	/
ANT1	17	SA	Front Side	15	167300	836.5	1	1	0.03	0.018	23.01	24.20	1.315	0.024	/
	17			15	167800	839	50	28	-0.11	0.016	22.81	24.20	1.377	0.022	/
	17		Back Side	15	167300	836.5	1	1	0.02	0.019	23.01	24.20	1.315	0.025	/
	17			15	167800	839	50	28	-0.16	0.017	22.81	24.20	1.377	0.023	/
ANT1	17	NSA	Front Side	15	167300	836.5	1	1	0.06	0.004	21.78	22.20	1.102	0.004	/
	17			15	167800	839	50	28	0.16	0.003	21.62	22.20	1.143	0.003	/
	17		Back Side	15	167300	836.5	1	1	0.03	0.005	21.78	22.20	1.102	0.006	/
	17			15	167800	839	50	28	0.00	0.003	21.62	22.20	1.143	0.003	/
Hotspot															
ANT0	17	SA	Front Side	10	167300	836.5	1	1	-0.07	0.176	23.86	23.90	1.009	0.178	/

	17			10	167800	839	50	0	0.17	0.178	23.87	23.90	1.007	0.179	/
	17		Back Side	10	167300	836.5	1	1	0.10	0.211	23.86	23.90	1.009	0.213	/
	17			10	167800	839	50	0	0.09	0.206	23.87	23.90	1.007	0.207	/
	17		Right Edge	10	167300	836.5	1	1	0.11	0.375	23.86	23.90	1.009	**0.378**	54#
	17			10	167800	839	50	0	-0.03	0.346	23.87	23.90	1.007	0.348	/
	17		Top Edge	10	167300	836.5	1	1	-0.09	0.009	23.86	23.90	1.009	0.009	/
	17			10	167300	836.5	50	0	-0.14	0.008	23.87	23.90	1.007	0.008	/
ANT1	17	SA	Front Side	10	167300	836.5	1	1	0.18	0.055	23.01	24.20	1.315	0.072	/
	17			10	166800	834	50	28	0.13	0.048	22.81	24.20	1.377	0.066	/
	17		Back Side	10	167300	836.5	1	1	0.01	0.070	23.01	24.20	1.315	0.092	/
	17			10	166800	834	50	28	-0.09	0.067	22.81	24.20	1.377	0.092	/
	17		Left Edge	10	167300	836.5	1	1	0.04	0.006	23.01	24.20	1.315	0.008	/
	17			10	166800	834	50	28	0.11	0.004	22.81	24.20	1.377	0.006	/
	17		Right Edge	10	167300	836.5	1	1	0.05	0.005	23.01	24.20	1.315	0.007	/
	17			10	166800	834	50	28	-0.12	0.006	22.81	24.20	1.377	0.008	/
	17		Bottom Edge	10	167300	836.5	1	1	-0.06	0.152	23.01	24.20	1.315	0.200	/
	17			10	167300	836.5	50	28	0.13	0.150	22.81	24.20	1.377	0.207	/
ANT1	17	NSA	Front Side	10	167300	836.5	1	1	-0.17	0.043	21.78	22.20	1.102	0.047	/
	17			10	166800	834	50	28	0.06	0.040	21.62	22.20	1.143	0.046	/
	17		Back Side	10	167300	836.5	1	1	0.18	0.071	21.78	22.20	1.102	0.078	/
	17			10	166800	834	50	28	0.13	0.060	21.62	22.20	1.143	0.069	/
	17		Left Edge	10	167300	836.5	1	1	0.05	0.080	21.78	22.20	1.102	0.088	/
	17			10	166800	834	50	28	-0.03	0.009	21.62	22.20	1.143	0.010	/
	17		Right Edge	10	167300	836.5	1	1	-0.19	0.007	21.78	22.20	1.102	0.008	/
	17			10	166800	834	50	28	-0.10	0.009	21.62	22.20	1.143	0.010	/
	17		Bottom Edge	10	167300	836.5	1	1	-0.04	0.115	21.78	22.20	1.102	0.127	/
	17			10	166800	834	50	28	0.01	0.111	21.62	22.20	1.143	0.127	/

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

10.21 n7 (40MHz Bandwidth)

Antenna	Power Reduction state	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB 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	18	SA	Left Cheek	0	507000	2535	1	214	-0.09	0.336	14.84	15.20	1.086	0.365	/
	18			0	507000	2535	108	0	-0.03	0.343	14.74	15.20	1.112	0.381	/
	18		Left Tilt	0	507000	2535	1	214	0.08	0.462	14.84	15.20	1.086	0.502	/
	18			0	507000	2535	108	0	-0.09	0.458	14.74	15.20	1.112	0.509	/
	18		Right Cheek	0	507000	2535	1	214	-0.08	0.399	14.84	15.20	1.086	0.433	/
	18			0	507000	2535	108	0	0.02	0.431	14.74	15.20	1.112	0.479	/
	18		Right Tilt	0	507000	2535	1	214	0.18	0.497	14.84	15.20	1.086	0.540	/
	18			0	507000	2535	108	0	0.08	0.639	14.74	15.20	1.112	**0.710**	55#
ANT3	18	NSA	Left Cheek	0	507000	2535	1	214	0.02	0.239	13.38	13.70	1.076	0.257	/
	18			0	507000	2535	108	54	0.09	0.230	13.51	13.70	1.045	0.240	/
	18		Left Tilt	0	507000	2535	1	214	-0.15	0.324	13.38	13.70	1.076	0.349	/
	18			0	507000	2535	108	54	0.17	0.324	13.51	13.70	1.045	0.338	/
	18		Right Cheek	0	507000	2535	1	214	-0.15	0.285	13.38	13.70	1.076	0.307	/
	18			0	507000	2535	108	54	-0.04	0.302	13.51	13.70	1.045	0.316	/
	18		Right Tilt	0	507000	2535	1	214	0.11	0.346	13.38	13.70	1.076	0.372	/
	18			0	507000	2535	108	54	-0.17	0.368	13.51	13.70	1.045	0.384	/
ANT4	18	SA	Left Cheek	0	507000	2535	1	108	-0.07	0.204	23.88	24.20	1.076	0.220	/
	18			0	507000	2535	108	54	-0.11	0.209	23.81	24.20	1.094	0.229	/
	18		Left Tilt	0	507000	2535	1	108	-0.04	0.164	23.88	24.20	1.076	0.177	/
	18			0	507000	2535	108	54	0.16	0.166	23.81	24.20	1.094	0.182	/
	18		Right Cheek	0	507000	2535	1	108	-0.15	0.278	23.88	24.20	1.076	0.299	/
	18			0	507000	2535	108	54	-0.02	0.281	23.81	24.20	1.094	0.307	/
	18		Right Tilt	0	507000	2535	1	108	-0.02	0.120	23.88	24.20	1.076	0.129	/
	18			0	507000	2535	108	54	0.11	0.120	23.81	24.20	1.094	0.131	/
ANT6	18	NSA	Left Cheek	0	507000	2535	1	214	-0.12	0.216	16.45	16.70	1.059	0.229	/
	18			0	507000	2535	108	108	0.12	0.207	16.54	16.70	1.038	0.215	/
	18		Left Tilt	0	507000	2535	1	214	-0.05	0.087	16.45	16.70	1.059	0.092	/
	18			0	507000	2535	108	108	-0.16	0.089	16.54	16.70	1.038	0.092	/
	18		Right Cheek	0	507000	2535	1	214	0.00	0.064	16.45	16.70	1.059	0.068	/
	18			0	507000	2535	108	108	0.11	0.070	16.54	16.70	1.038	0.073	/
	18		Right Tilt	0	507000	2535	1	214	-0.05	0.000	16.45	16.70	1.059	0.000	/
	18			0	507000	2535	108	108	0.01	0.049	16.54	16.70	1.038	0.051	/
Body-worn Accessory															
ANT3	17	SA	Front Side	15	507000	2535	1	214	0.10	0.094	16.13	16.20	1.016	0.096	/
	17			15	507000	2535	108	0	0.08	0.092	16.15	16.20	1.012	0.093	/
	17		Back Side	15	507000	2535	1	214	0.14	0.108	16.13	16.20	1.016	0.110	/
	17			15	507000	2535	108	0	-0.06	0.105	16.15	16.20	1.012	0.106	/
ANT3	17	NSA	Front Side	15	507000	2535	1	106	-0.09	0.094	16.21	16.70	1.119	0.105	/
	17			15	507000	2535	108	0	0.11	0.092	16.23	16.70	1.114	0.103	/

	17		Back Side	15	507000	2535	1	106	0.19	0.106	16.21	16.70	1.119	0.119	/
	17			15	507000	2535	108	0	0.19	0.102	16.23	16.70	1.114	0.114	/
ANT4	17	SA	Front Side	15	507000	2535	1	214	-0.17	0.067	18.97	19.20	1.054	0.071	/
	17			15	507000	2535	108	0	-0.17	0.075	18.75	19.20	1.109	0.083	/
	17		Back Side	15	507000	2535	1	214	0.18	0.115	18.97	19.20	1.054	0.121	/
	17			15	507000	2535	108	0	0.09	0.119	18.75	19.20	1.109	**0.132**	56#
ANT6	17	NSA	Front Side	15	507000	2535	1	214	-0.06	0.009	16.93	17.20	1.064	0.010	/
	17			15	507000	2535	108	0	0.00	0.008	16.84	17.20	1.086	0.009	/
	17		Back Side	15	507000	2535	1	214	-0.08	0.046	16.93	17.20	1.064	0.049	/
	17			15	507000	2535	108	0	0.02	0.046	16.84	17.20	1.086	0.050	/
Hotspot															
ANT3	17	SA	Front Side	10	507000	2535	1	214	-0.19	0.163	16.13	16.20	1.016	0.166	/
	17			10	507000	2535	108	0	-0.11	0.163	16.15	16.20	1.012	0.165	/
	17		Back Side	10	507000	2535	1	214	0.02	0.160	16.13	16.20	1.016	0.163	/
	17			10	507000	2535	108	0	0.09	0.165	16.15	16.20	1.012	0.167	/
	17		Right Edge	10	507000	2535	1	214	0.16	0.102	16.13	16.20	1.016	0.104	/
	17			10	507000	2535	108	0	-0.05	0.114	16.15	16.20	1.012	0.115	/
	17		Top Edge	10	507000	2535	1	214	-0.17	0.434	16.13	16.20	1.016	0.441	/
	17			10	507000	2535	108	0	-0.05	0.446	16.15	16.20	1.012	**0.451**	57#
ANT3	17	NSA	Front Side	10	507000	2535	1	106	-0.18	0.012	16.21	16.70	1.119	0.013	/
	17			10	507000	2535	108	0	-0.01	0.011	16.23	16.70	1.114	0.012	/
	17		Back Side	10	507000	2535	1	106	0.01	0.015	16.21	16.70	1.119	0.017	/
	17			10	507000	2535	108	0	-0.05	0.014	16.23	16.70	1.114	0.016	/
	17		Right Edge	10	507000	2535	1	106	0.13	0.008	16.21	16.70	1.119	0.009	/
	17			10	507000	2535	108	0	0.00	0.006	16.23	16.70	1.114	0.007	/
	17		Top Edge	10	507000	2535	1	106	0.12	0.008	16.21	16.70	1.119	0.009	/
	17			10	507000	2535	108	0	0.06	0.007	16.23	16.70	1.114	0.008	/
ANT4	17	SA	Front Side	10	507000	2535	1	214	0.03	0.120	18.97	19.20	1.054	0.127	/
	17			10	507000	2535	108	0	0.01	0.132	18.75	19.20	1.109	0.146	/
	17		Back Side	10	507000	2535	1	214	0.08	0.272	18.97	19.20	1.054	0.287	/
	17			10	507000	2535	108	0	0.01	0.269	18.75	19.20	1.109	0.298	/
	17		Left Edge	10	507000	2535	1	214	0.12	0.062	18.97	19.20	1.054	0.065	/
	17			10	507000	2535	108	0	-0.11	0.064	18.75	19.20	1.109	0.071	/
	17		Bottom Edge	10	507000	2535	1	214	-0.19	0.147	18.97	19.20	1.054	0.155	/
	17			10	507000	2535	108	0	-0.13	0.139	18.75	19.20	1.109	0.154	/
ANT6	17	NSA	Front Side	10	507000	2535	1	214	-0.18	0.058	16.93	17.20	1.064	0.062	/
	17			10	507000	2535	108	0	0.12	0.058	16.84	17.20	1.086	0.063	/
	17		Back Side	10	507000	2535	1	214	-0.15	0.069	16.93	17.20	1.064	0.073	/
	17			10	507000	2535	108	0	0.08	0.070	16.84	17.20	1.086	0.076	/
	17		Left Edge	10	507000	2535	1	214	-0.11	0.165	16.93	17.20	1.064	0.176	/
	17			10	507000	2535	108	0	0.12	0.161	16.84	17.20	1.086	0.175	/
	17		Top Edge	10	507000	2535	1	214	0.12	0.009	16.93	17.20	1.064	0.010	/
	17			10	507000	2535	108	0	-0.13	0.007	16.84	17.20	1.086	0.008	/

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

Antenna	Power Reduction state	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB 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															
ANT3	17	SA	Top Edge	0	507000	2535	1	214	-0.05	0.554	16.13	16.20	1.016	0.563	/
	17			0	507000	2535	108	0	0.02	0.534	16.15	16.20	1.012	0.540	/
ANT3	17	NSA	Top Edge	0	507000	2535	1	214	0.18	0.566	16.13	16.70	1.140	**0.645**	58#
	17			0	507000	2535	108	0	0.06	0.548	16.15	16.70	1.135	0.622	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.22 n12 (15MHz Bandwidth)

Antenna	Power Reduction state	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB 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	18	SA	Left Cheek	0	141500	707.5	1	1	0.08	0.242	23.86	23.90	1.009	0.244	/
	18			0	141500	707.5	36	0	0.05	0.292	23.56	23.90	1.081	**0.316**	59#
	18		Left Tilt	0	141500	707.5	1	1	0.06	0.036	23.86	23.90	1.009	0.036	/
	18			0	141500	707.5	36	0	0.09	0.039	23.56	23.90	1.081	0.042	/
	18		Right Cheek	0	141500	707.5	1	1	0.17	0.121	23.86	23.90	1.009	0.122	/
	18			0	141500	707.5	36	0	-0.11	0.148	23.56	23.90	1.081	0.160	/
	18		Right Tilt	0	141500	707.5	1	1	-0.03	0.009	23.86	23.90	1.009	0.009	/
	18			0	141500	707.5	36	0	0.06	0.008	23.56	23.90	1.081	0.009	/
ANT1	18	SA	Left Cheek	0	141500	707.5	1	1	-0.14	0.015	24.18	24.20	1.005	0.015	/
	18			0	141500	707.5	36	0	0.04	0.013	23.88	24.20	1.076	0.014	/
	18		Left Tilt	0	141500	707.5	1	1	0.07	0.009	24.18	24.20	1.005	0.009	/
	18			0	141500	707.5	36	0	-0.16	0.008	23.88	24.20	1.076	0.009	/
	18		Right Cheek	0	141500	707.5	1	1	0.10	0.013	24.18	24.20	1.005	0.013	/
	18			0	141500	707.5	36	0	0.00	0.012	23.88	24.20	1.076	0.013	/
	18		Right Tilt	0	141500	707.5	1	1	-0.06	0.009	24.18	24.20	1.005	0.009	/
	18			0	141500	707.5	36	0	-0.18	0.011	23.88	24.20	1.076	0.012	/
Body-worn Accessory															
ANT0	17	SA	Front Side	15	141500	707.5	1	1	0.17	0.086	23.86	23.90	1.009	0.087	/
	17			15	141500	707.5	36	0	0.19	0.079	23.56	23.90	1.081	0.085	/
	17		Back Side	15	141500	707.5	1	1	0.03	0.109	23.86	23.90	1.009	**0.110**	60#
	17			15	141500	707.5	36	0	0.00	0.101	23.56	23.90	1.081	0.109	/
ANT1	17	SA	Front Side	15	141500	707.5	1	1	-0.15	0.011	24.18	24.20	1.005	0.011	/
	17			15	141500	707.5	36	0	-0.16	0.009	23.88	24.20	1.076	0.010	/
	17		Back Side	15	141500	707.5	1	1	0.12	0.013	24.18	24.20	1.005	0.013	/
	17			15	141500	707.5	36	0	0.00	0.011	23.88	24.20	1.076	0.012	/
Hotspot															
ANT0	17	SA	Front Side	10	141500	707.5	1	1	0.04	0.109	23.86	23.90	1.009	0.110	/
	17			10	141500	707.5	36	0	-0.17	0.127	23.56	23.90	1.081	0.137	/
	17		Back Side	10	141500	707.5	1	1	0.09	0.152	23.86	23.90	1.009	0.153	/
	17			10	141500	707.5	36	0	0.12	0.151	23.56	23.90	1.081	0.163	/
	17		Right Edge	10	141500	707.5	1	1	0.00	0.309	23.86	23.90	1.009	**0.312**	61#
	17			10	141500	707.5	36	0	0.06	0.278	23.56	23.90	1.081	0.301	/
	17		Top Edge	10	141500	707.5	1	1	-0.11	0.009	23.86	23.90	1.009	0.009	/
	17			10	141500	707.5	36	0	-0.11	0.008	23.56	23.90	1.081	0.009	/
ANT1	17	SA	Front Side	10	141500	707.5	1	1	0.16	0.033	24.18	24.20	1.005	0.033	/
	17			10	141500	707.5	36	0	0.09	0.033	23.88	24.20	1.076	0.036	/
	17		Back Side	10	141500	707.5	1	1	-0.11	0.046	24.18	24.20	1.005	0.046	/
	17			10	141500	707.5	36	0	-0.08	0.044	23.88	24.20	1.076	0.047	/
	17		Left Edge	10	141500	707.5	1	1	-0.13	0.011	24.18	24.20	1.005	0.011	/

	17			10	141500	707.5	36	0	0.14	0.010	23.88	24.20	1.076	0.011	/
	17		Right Edge	10	141500	707.5	1	1	0.19	0.009	24.18	24.20	1.005	0.009	/
	17			10	141500	707.5	36	0	-0.15	0.007	23.88	24.20	1.076	0.008	/
	17		Bottom Edge	10	141500	707.5	1	1	0.16	0.131	24.18	24.20	1.005	0.132	/
	17			10	141500	707.5	36	0	-0.07	0.103	23.88	24.20	1.076	0.111	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.23 n13 (10MHz Bandwidth)

Antenna	Power Reduction state	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB 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	18	SA	Left Cheek	0	156400	782	1	1	0.00	0.198	23.69	24.40	1.178	**0.233**	62#
	18			0	156400	782	25	0	0.19	0.169	23.22	24.40	1.312	0.222	/
	18		Left Tilt	0	156400	782	1	1	0.09	0.029	23.69	24.40	1.178	0.034	/
	18			0	156400	782	25	0	-0.06	0.014	23.22	24.40	1.312	0.018	/
	18		Right Cheek	0	156400	782	1	1	0.19	0.082	23.69	24.40	1.178	0.097	/
	18			0	156400	782	25	0	0.07	0.070	23.22	24.40	1.312	0.092	/
	18		Right Tilt	0	156400	782	1	1	-0.16	0.009	23.69	24.40	1.178	0.011	/
	18			0	156400	782	25	0	0.13	0.008	23.22	24.40	1.312	0.010	/
ANT1	18	SA	Left Cheek	0	156400	782	1	1	0.16	0.016	23.92	24.70	1.197	0.019	/
	18			0	156400	782	25	0	0.09	0.015	23.55	24.70	1.303	0.020	/
	18		Left Tilt	0	156400	782	1	1	0.09	0.009	23.92	24.70	1.197	0.011	/
	18			0	156400	782	25	0	0.15	0.007	23.55	24.70	1.303	0.009	/
	18		Right Cheek	0	156400	782	1	1	0.04	0.013	23.92	24.70	1.197	0.016	/
	18			0	156400	782	25	0	0.18	0.012	23.55	24.70	1.303	0.016	/
	18		Right Tilt	0	156400	782	1	1	0.06	0.007	23.92	24.70	1.197	0.008	/
	18			0	156400	782	25	0	-0.14	0.006	23.55	24.70	1.303	0.008	/
Body-worn Accessory															
ANT0	17	SA	Front Side	15	156400	782	1	1	0.03	0.070	23.69	24.40	1.178	0.082	/
	17			15	156400	782	25	0	-0.01	0.063	23.22	24.40	1.312	0.083	/
	17		Back Side	15	156400	782	1	1	0.02	0.111	23.69	24.40	1.178	**0.131**	63#
	17			15	156400	782	25	0	0.16	0.078	23.22	24.40	1.312	0.102	/
ANT1	17	SA	Front Side	15	156400	782	1	1	0.07	0.015	23.92	24.70	1.197	0.018	/
	17			15	156400	782	25	0	-0.14	0.012	23.55	24.70	1.303	0.016	/
	17		Back Side	15	156400	782	1	1	-0.14	0.017	23.92	24.70	1.197	0.020	/
	17			15	156400	782	25	0	-0.16	0.013	23.55	24.70	1.303	0.017	/
Hotspot															
ANT0	17	SA	Front Side	10	156400	782	1	1	0.15	0.136	23.69	24.40	1.178	0.160	/
	17			10	156400	782	25	0	0.15	0.112	23.22	24.40	1.312	0.147	/
	17		Back Side	10	156400	782	1	1	0.01	0.158	23.69	24.40	1.178	0.186	/
	17			10	156400	782	25	0	-0.07	0.126	23.22	24.40	1.312	0.165	/
	17		Right Edge	10	156400	782	1	1	0.11	0.275	23.69	24.40	1.178	**0.324**	64#
	17			10	156400	782	25	0	-0.14	0.236	23.22	24.40	1.312	0.310	/
	17		Top Edge	10	156400	782	1	1	0.07	0.019	23.69	24.40	1.178	0.022	/
	17			10	156400	782	25	0	-0.19	0.018	23.22	24.40	1.312	0.024	/
ANT1	17	SA	Front Side	10	156400	782	1	1	-0.13	0.016	23.92	24.70	1.197	0.019	/
	17			10	156400	782	25	0	0.13	0.015	23.55	24.70	1.303	0.020	/
	17		Back Side	10	156400	782	1	1	-0.19	0.077	23.92	24.70	1.197	0.092	/
	17			10	156400	782	25	0	0.09	0.076	23.55	24.70	1.303	0.099	/
	17		Left Edge	10	156400	782	1	1	-0.11	0.017	23.92	24.70	1.197	0.020	/

	17			10	156400	782	25	0	0.11	0.015	23.55	24.70	1.303	0.020	/
	17		Right Edge	10	156400	782	1	1	0.10	0.015	23.92	24.70	1.197	0.018	/
	17			10	156400	782	25	0	-0.07	0.013	23.55	24.70	1.303	0.017	/
	17		Bottom Edge	10	156400	782	1	1	0.03	0.127	23.92	24.70	1.197	0.152	/
	17			10	156400	782	25	0	0.10	0.103	23.55	24.70	1.303	0.134	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.24 n26 (20MHz Bandwidth)

Antenna	Power Reduction state	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB 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	18	SA	Left Cheek	0	166300	831.5	1	1	-0.14	0.351	23.79	23.90	1.026	0.360	/
	18			0	166300	831.5	50	56	0.12	0.368	23.77	23.90	1.030	**0.379**	65#
	18		Left Tilt	0	166300	831.5	1	1	0.15	0.039	23.79	23.90	1.026	0.040	/
	18			0	166300	831.5	50	56	-0.18	0.041	23.77	23.90	1.030	0.042	/
	18		Right Cheek	0	166300	831.5	1	1	-0.04	0.147	23.79	23.90	1.026	0.151	/
	18			0	166300	831.5	50	56	0.13	0.157	23.77	23.90	1.030	0.162	/
	18		Right Tilt	0	166300	831.5	1	1	-0.18	0.030	23.79	23.90	1.026	0.031	/
	18			0	166300	831.5	50	56	-0.07	0.033	23.77	23.90	1.030	0.034	/
ANT1	18	SA	Left Cheek	0	166300	831.5	1	104	0.11	0.016	24.09	24.20	1.026	0.016	/
	18			0	166300	831.5	50	56	-0.03	0.015	23.89	24.20	1.074	0.016	/
	18		Left Tilt	0	166300	831.5	1	104	-0.18	0.009	24.09	24.20	1.026	0.009	/
	18			0	166300	831.5	50	56	0.15	0.007	23.89	24.20	1.074	0.008	/
	18		Right Cheek	0	166300	831.5	1	104	0.05	0.011	24.09	24.20	1.026	0.011	/
	18			0	166300	831.5	50	56	-0.04	0.010	23.89	24.20	1.074	0.011	/
	18		Right Tilt	0	166300	831.5	1	104	-0.02	0.009	24.09	24.20	1.026	0.009	/
	18			0	166300	831.5	50	56	-0.13	0.006	23.89	24.20	1.074	0.006	/
Body-worn Accessory															
ANT0	17	SA	Front Side	15	166300	831.5	1	1	0.18	0.091	23.79	23.90	1.026	0.093	/
	17			15	166300	831.5	50	56	-0.06	0.096	23.77	23.90	1.030	0.099	/
	17		Back Side	15	166300	831.5	1	1	-0.04	0.111	23.79	23.90	1.026	0.114	/
	17			15	166300	831.5	50	56	0.04	0.139	23.77	23.90	1.030	**0.143**	66#
ANT1	17	SA	Front Side	15	166300	831.5	1	104	0.14	0.012	24.09	24.20	1.026	0.012	/
	17			15	166300	831.5	50	56	-0.13	0.009	23.89	24.20	1.074	0.010	/
	17		Back Side	15	166300	831.5	1	104	0.15	0.066	24.09	24.20	1.026	0.068	/
	17			15	166300	831.5	50	56	-0.02	0.066	23.89	24.20	1.074	0.071	/
Hotspot															
ANT0	17	SA	Front Side	10	166300	831.5	1	1	0.12	0.220	23.79	23.90	1.026	0.226	/
	17			10	166300	831.5	50	56	0.05	0.233	23.77	23.90	1.030	0.240	/
	17		Back Side	10	166300	831.5	1	1	-0.08	0.265	23.79	23.90	1.026	0.272	/
	17			10	166300	831.5	50	56	-0.18	0.278	23.77	23.90	1.030	0.286	/
	17		Right Edge	10	166300	831.5	1	1	0.02	0.418	23.79	23.90	1.026	0.429	/
	17			10	166300	831.5	50	56	0.16	0.453	23.77	23.90	1.030	**0.467**	67#
	17		Top Edge	10	166300	831.5	1	1	0.15	0.011	23.79	23.90	1.026	0.011	/
	17			10	166300	831.5	50	56	0.14	0.010	23.77	23.90	1.030	0.010	/
ANT1	17	SA	Front Side	10	166300	831.5	1	104	0.17	0.075	24.09	24.20	1.026	0.077	/
	17			10	166300	831.5	50	56	0.10	0.059	23.89	24.20	1.074	0.063	/
	17		Back Side	10	166300	831.5	1	104	-0.05	0.119	24.09	24.20	1.026	0.122	/
	17			10	166300	831.5	50	56	-0.07	0.099	23.89	24.20	1.074	0.106	/
	17		Left Edge	10	166300	831.5	1	104	0.05	0.016	24.09	24.20	1.026	0.016	/

	17			10	166300	831.5	50	56	0.17	0.013	23.89	24.20	1.074	0.014	/
	17		Right Edge	10	166300	831.5	1	104	0.11	0.011	24.09	24.20	1.026	0.011	/
	17			10	166300	831.5	50	56	0.18	0.005	23.89	24.20	1.074	0.005	/
	17		Bottom Edge	10	166300	831.5	1	104	-0.07	0.193	24.09	24.20	1.026	0.198	/
	17			10	166300	831.5	50	56	0.08	0.149	23.89	24.20	1.074	0.160	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.25 n38 (30MHz Bandwidth)

Antenna	Power Reduction state	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB 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	18	SA	Left Cheek	0	519000	2595	1	1	0.09	0.342	15.03	15.20	1.040	0.356	/
	18			0	519000	2595	36	0	0.04	0.338	14.96	15.20	1.057	0.357	/
	18		Left Tilt	0	519000	2595	1	1	0.03	0.425	15.03	15.20	1.040	0.442	/
	18			0	519000	2595	36	0	-0.08	0.432	14.96	15.20	1.057	0.457	/
	18		Right Cheek	0	519000	2595	1	1	-0.03	0.502	15.03	15.20	1.040	0.522	/
	18			0	519000	2595	36	0	-0.14	0.516	14.96	15.20	1.057	0.545	/
	18		Right Tilt	0	519000	2595	1	1	-0.13	0.719	15.03	15.20	1.040	**0.748**	68#
	18			0	519000	2595	36	0	0.08	0.702	14.96	15.20	1.057	0.742	/
ANT4	18	SA	Left Cheek	0	522000	2610	1	76	0.17	0.169	23.80	24.20	1.096	0.185	/
	18			0	516000	2580	36	0	0.04	0.182	23.39	24.20	1.205	0.219	/
	18		Left Tilt	0	522000	2610	1	76	-0.10	0.088	23.80	24.20	1.096	0.096	/
	18			0	516000	2580	36	0	0.12	0.099	23.39	24.20	1.205	0.119	/
	18		Right Cheek	0	522000	2610	1	76	0.05	0.258	23.80	24.20	1.096	0.283	/
	18			0	516000	2580	36	0	-0.02	0.263	23.39	24.20	1.205	0.317	/
	18		Right Tilt	0	522000	2610	1	76	-0.04	0.062	23.80	24.20	1.096	0.068	/
	18			0	516000	2580	36	0	-0.14	0.071	23.39	24.20	1.205	0.086	/
Body-worn Accessory															
ANT3	17	SA	Front Side	15	519000	2595	1	76	0.06	0.200	19.18	19.20	1.005	0.201	/
	17			15	517000	2585	36	0	0.11	0.193	19.18	19.20	1.005	0.194	/
	17		Back Side	15	519000	2595	1	76	0.18	0.238	19.18	19.20	1.005	0.239	/
	17			15	517000	2585	36	0	-0.12	0.224	19.18	19.20	1.005	0.225	/
ANT4	17	SA	Front Side	15	517000	2585	1	76	-0.12	0.149	23.80	24.20	1.096	0.163	/
	17			15	517000	2585	36	0	-0.12	0.156	23.39	24.20	1.205	0.188	/
	17		Back Side	15	517000	2585	1	1	-0.03	0.350	23.80	24.20	1.096	**0.384**	69#
	17			15	517000	2585	36	0	0.09	0.302	23.39	24.20	1.205	0.364	/
Hotspot															
ANT3	17	SA	Front Side	10	519000	2595	1	76	-0.15	0.315	19.18	19.20	1.005	0.316	/
	17			10	517000	2585	36	0	0.08	0.316	19.18	19.20	1.005	0.317	/
	17		Back Side	10	519000	2595	1	76	0.11	0.332	19.18	19.20	1.005	0.334	/
	17			10	517000	2585	36	0	-0.11	0.328	19.18	19.20	1.005	0.330	/
	17		Right Edge	10	519000	2595	1	76	-0.14	0.302	19.18	19.20	1.005	0.303	/
	17			10	517000	2585	36	0	0.17	0.306	19.18	19.20	1.005	0.307	/
	17		Top Edge	10	519000	2595	1	76	0.10	0.811	19.18	19.20	1.005	0.815	/
	17			10	517000	2585	1	1	0.12	0.863	19.10	19.20	1.023	**0.882**	70#
	17			10	521000	2605	1	39	-0.09	0.806	19.05	19.20	1.035	0.834	/
	17			10	517000	2585	36	0	0.05	0.789	19.18	19.20	1.005	0.793	/
	17			10	519000	2595	36	0	-0.19	0.792	19.12	19.20	1.019	0.807	/
	17			10	521000	2605	36	0	0.16	0.779	19.11	19.20	1.021	0.795	/
	17			10	519000	2595	72	0	0.06	0.811	19.19	19.20	1.002	0.813	/

ANT4	17	SA	Front Side	10	522000	2610	1	76	-0.01	0.262	23.80	24.20	1.096	0.287	/
	17			10	516000	2580	36	0	0.14	0.245	23.39	24.20	1.205	0.295	/
	17		Back Side	10	522000	2610	1	76	0.05	0.582	23.80	24.20	1.096	0.638	/
	17			10	516000	2580	36	0	-0.17	0.562	23.39	24.20	1.205	0.677	/
	17		Left Edge	10	522000	2610	1	76	-0.14	0.521	23.80	24.20	1.096	0.571	/
	17			10	516000	2580	36	0	-0.09	0.495	23.39	24.20	1.205	0.596	/
	17		Bottom Edge	10	522000	2610	1	76	0.13	0.335	23.80	24.20	1.096	0.367	/
	17			10	516000	2580	36	0	0.04	0.321	23.39	24.20	1.205	0.387	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction state	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB 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															
ANT3	17	SA	Top Edge	0	519000	2595	1	76	0.08	0.968	19.18	19.20	1.005	0.972	/
	17			0	517000	2585	36	0	0.06	1.010	19.18	19.20	1.005	**1.015**	71#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.26 n41 (100MHz Bandwidth)

Antenna	Power Reduction state	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB 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	18	SA	Left Cheek	0	518598	2592.99	1	1	-0.17	0.247	14.18	15.20	1.265	0.312	/
	18			0	518598	2592.99	135	69	0.08	0.235	14.47	15.20	1.183	0.278	/
	18		Left Tilt	0	518598	2592.99	1	1	0.03	0.350	14.18	15.20	1.265	0.443	/
	18			0	518598	2592.99	135	69	0.10	0.311	14.47	15.20	1.183	0.368	/
	18		Right Cheek	0	518598	2592.99	1	1	-0.08	0.323	14.18	15.20	1.265	0.409	/
	18			0	518598	2592.99	135	69	-0.03	0.342	14.47	15.20	1.183	0.405	/
	18		Right Tilt	0	518598	2592.99	1	1	-0.10	0.415	14.18	15.20	1.265	**0.525**	72#
	18			0	518598	2592.99	135	69	0.05	0.389	14.47	15.20	1.183	0.460	/
ANT4	18	SA	Left Cheek	0	518598	2592.99	1	271	-0.18	0.165	23.85	24.20	1.084	0.179	/
	18			0	518598	2592.99	135	138	-0.04	0.150	23.41	24.20	1.199	0.180	/
	18		Left Tilt	0	518598	2592.99	1	271	0.01	0.122	23.85	24.20	1.084	0.132	/
	18			0	518598	2592.99	135	138	-0.04	0.092	23.41	24.20	1.199	0.110	/
	18		Right Cheek	0	518598	2592.99	1	271	-0.02	0.260	23.85	24.20	1.084	0.282	/
	18			0	518598	2592.99	135	138	0.07	0.243	23.41	24.20	1.199	0.291	/
	18		Right Tilt	0	518598	2592.99	1	271	0.07	0.078	23.85	24.20	1.084	0.085	/
	18			0	518598	2592.99	135	138	-0.09	0.011	23.41	24.20	1.199	0.013	/
ANT5	18	NSA	Left Cheek	0	518598	2592.99	1	1	0.02	0.099	15.06	15.20	1.033	0.102	/
	18			0	518598	2592.99	135	138	-0.02	0.099	15.05	15.20	1.035	0.102	/
	18		Left Tilt	0	518598	2592.99	1	1	0.06	0.062	15.06	15.20	1.033	0.064	/
	18			0	518598	2592.99	135	138	0.09	0.060	15.05	15.20	1.035	0.062	/
	18		Right Cheek	0	518598	2592.99	1	1	0.07	0.396	15.06	15.20	1.033	0.409	/
	18			0	518598	2592.99	135	138	0.03	0.370	15.05	15.20	1.035	0.383	/
	18		Right Tilt	0	518598	2592.99	1	1	0.09	0.187	15.06	15.20	1.033	0.193	/
	18			0	518598	2592.99	135	138	-0.18	0.186	15.05	15.20	1.035	0.193	/
Body-worn Accessory															
ANT3	17	SA	Front Side	15	509202	2546.01	1	137	0.18	0.121	17.89	18.20	1.074	0.130	/
	17			15	518598	2592.99	135	0	-0.18	0.118	17.84	18.20	1.086	0.128	/
	17		Back Side	15	518598	2592.99	1	137	0.14	0.124	17.89	18.20	1.074	0.133	/
	17			15	518598	2592.99	135	0	-0.10	0.126	17.84	18.20	1.086	0.137	/
ANT4	17	SA	Front Side	15	509202	2546.01	1	137	-0.16	0.068	18.87	19.20	1.079	0.073	/
	17			15	518598	2592.99	135	138	0.04	0.075	18.92	19.20	1.067	0.080	/
	17		Back Side	15	509202	2546.01	1	137	0.01	0.132	18.87	19.20	1.079	**0.142**	73#
	17			15	518598	2592.99	135	138	-0.04	0.105	18.92	19.20	1.067	0.112	/
ANT5	17	NSA	Front Side	15	509202	2546.01	1	1	-0.08	0.069	16.98	17.20	1.052	0.073	/
	17			15	518598	2592.99	135	138	0.06	0.077	16.97	17.20	1.054	0.081	/
	17		Back Side	15	509202	2546.01	1	1	0.02	0.091	16.98	17.20	1.052	0.096	/
	17			15	518598	2592.99	135	138	0.13	0.093	16.97	17.20	1.054	0.098	/
Hotspot															
ANT3	17	SA	Front Side	10	518598	2546.01	1	137	0.03	0.224	17.89	18.20	1.074	0.241	/

	17			10	518598	2546.01	135	0	0.04	0.205	17.84	18.20	1.086	0.223	/
	17		Back Side	10	518598	2546.01	1	137	0.17	0.221	17.89	18.20	1.074	0.237	/
	17			10	518598	2546.01	135	0	-0.12	0.229	17.84	18.20	1.086	0.249	/
	17		Right Edge	10	518598	2546.01	1	137	-0.06	0.211	17.89	18.20	1.074	0.227	/
	17			10	518598	2546.01	135	0	-0.10	0.259	17.84	18.20	1.086	0.281	/
	17		Top Edge	10	518598	2546.01	1	137	-0.18	0.499	17.89	18.20	1.074	**0.536**	74#
	17			10	518598	2546.01	135	0	0.17	0.491	17.84	18.20	1.086	0.533	/
ANT4	17	SA	Front Side	10	518598	2546.01	1	137	-0.02	0.139	18.87	19.20	1.079	0.150	/
	17			10	518598	2546.01	135	138	0.04	0.131	18.92	19.20	1.067	0.140	/
	17		Back Side	10	518598	2546.01	1	137	-0.17	0.247	18.87	19.20	1.079	0.266	/
	17			10	518598	2546.01	135	138	0.02	0.184	18.92	19.20	1.067	0.196	/
	17		Left Edge	10	518598	2546.01	1	137	-0.06	0.057	18.87	19.20	1.079	0.061	/
	17			10	518598	2546.01	135	138	0.04	0.052	18.92	19.20	1.067	0.055	/
	17		Bottom Edge	10	518598	2546.01	1	137	-0.14	0.167	18.87	19.20	1.079	0.180	/
	17			10	518598	2546.01	135	138	-0.09	0.157	18.92	19.20	1.067	0.167	/
ANT5	17	NSA	Front Side	10	518598	2546.01	1	1	0.08	0.120	16.98	17.20	1.052	0.126	/
	17			10	518598	2546.01	135	138	0.01	0.122	16.97	17.20	1.054	0.129	/
	17		Back Side	10	518598	2546.01	1	1	0.16	0.161	16.98	17.20	1.052	0.169	/
	17			10	518598	2546.01	135	138	0.19	0.160	16.97	17.20	1.054	0.169	/
	17		Right Edge	10	518598	2546.01	1	1	-0.02	0.372	16.98	17.20	1.052	0.391	/
	17			10	518598	2546.01	135	138	0.14	0.391	16.97	17.20	1.054	0.412	/
	17		Top Edge	10	518598	2546.01	1	1	0.03	0.011	16.98	17.20	1.052	0.012	/
	17			10	518598	2546.01	135	138	-0.10	0.009	16.97	17.20	1.054	0.009	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction state	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB 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															
ANT3	17	SA	Top Edge	0	518598	2546.01	1	137	-0.14	0.571	17.89	18.20	1.074	**0.613**	75#
	17			0	518598	2546.01	135	0	-0.02	0.561	17.84	18.20	1.086	0.609	/
ANT5	17	NSA	Right Edge	0	518598	2546.01	1	1	-0.04	0.987	16.98	17.20	1.052	**1.038**	76#
	17			0	518598	2546.01	135	138	0.05	0.964	16.97	17.20	1.054	1.016	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.27 n66 (40MHz Bandwidth)

Antenna	Power Reduction state	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB 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	18	SA	Left Cheek	0	349000	1745	1	1	-0.08	0.439	16.38	16.70	1.076	0.473	/
	18			0	349000	1745	108	0	-0.04	0.444	16.41	16.70	1.069	0.475	/
	18		Left Tilt	0	349000	1745	1	1	-0.04	0.493	16.38	16.70	1.076	0.531	/
	18			0	349000	1745	108	0	0.10	0.510	16.41	16.70	1.069	0.545	/
	18		Right Cheek	0	349000	1745	1	1	0.08	0.604	16.38	16.70	1.076	0.650	/
	18			0	349000	1745	108	0	-0.16	0.621	16.41	16.70	1.069	0.664	/
	18		Right Tilt	0	352000	1760	1	1	0.02	0.723	16.38	16.70	1.076	**0.778**	77#
	18			0	349000	1745	1	1	0.05	0.662	16.38	16.70	1.076	0.713	/
	18			0	346000	1730	1	1	-0.05	0.697	16.35	16.70	1.084	0.755	/
	18			0	352000	1760	108	0	0.16	0.683	16.31	16.70	1.094	0.747	/
	18			0	349000	1745	108	0	0.16	0.673	16.41	16.70	1.069	0.719	/
	18			0	346000	1730	108	0	-0.10	0.717	16.35	16.70	1.084	0.777	/
	18			0	352000	1760	216	0	0.04	0.547	15.94	16.70	1.191	0.652	/
ANT3	18	NSA	Left Cheek	0	349000	1745	1	1	-0.03	0.242	13.85	14.20	1.084	0.262	/
	18			0	349000	1745	108	0	-0.09	0.250	13.82	14.20	1.091	0.273	/
	18		Left Tilt	0	349000	1745	1	1	-0.09	0.275	13.85	14.20	1.084	0.298	/
	18			0	349000	1745	108	0	-0.07	0.284	13.82	14.20	1.091	0.310	/
	18		Right Cheek	0	349000	1745	1	1	-0.11	0.334	13.85	14.20	1.084	0.362	/
	18			0	349000	1745	108	0	0.04	0.341	13.82	14.20	1.091	0.372	/
	18		Right Tilt	0	349000	1745	1	1	0.18	0.374	13.85	14.20	1.084	0.405	/
	18			0	349000	1745	108	0	-0.18	0.370	13.82	14.20	1.091	0.404	/
ANT4	18	SA	Left Cheek	0	346000	1730	1	1	-0.06	0.085	23.95	24.20	1.059	0.090	/
	18			0	349000	1745	108	54	0.09	0.084	23.56	24.20	1.159	0.097	/
	18		Left Tilt	0	346000	1730	1	1	0.15	0.097	23.95	24.20	1.059	0.103	/
	18			0	349000	1745	108	54	0.13	0.090	23.56	24.20	1.159	0.104	/
	18		Right Cheek	0	346000	1730	1	1	-0.13	0.160	23.95	24.20	1.059	0.169	/
	18			0	349000	1745	108	54	0.04	0.139	23.56	24.20	1.159	0.161	/
	18		Right Tilt	0	346000	1730	1	1	-0.05	0.117	23.95	24.20	1.059	0.124	/
	18			0	349000	1745	108	54	0.14	0.108	23.56	24.20	1.159	0.125	/
ANT6	18	NSA	Left Cheek	0	349000	1745	1	1	0.16	0.196	16.24	16.50	1.062	0.208	/
	18			0	349000	1745	108	0	0.14	0.241	16.05	16.50	1.109	0.267	/
	18		Left Tilt	0	349000	1745	1	1	0.13	0.062	16.24	16.50	1.062	0.066	/
	18			0	349000	1745	108	0	0.16	0.077	16.05	16.50	1.109	0.085	/
	18		Right Cheek	0	349000	1745	1	1	-0.09	0.047	16.24	16.50	1.062	0.050	/
	18			0	349000	1745	108	0	-0.09	0.059	16.05	16.50	1.109	0.065	/
	18		Right Tilt	0	349000	1745	1	1	-0.07	0.014	16.24	16.50	1.062	0.015	/
	18			0	349000	1745	108	0	-0.13	0.011	16.05	16.50	1.109	0.012	/
Body-worn Accessory															
ANT3	17	SA	Front Side	15	349000	1745	1	214	-0.03	0.193	19.44	19.70	1.062	0.205	/

	17			15	349000	1745	108	0	-0.03	0.197	19.35	19.70	1.084	0.214	/
	17		Back Side	15	349000	1745	1	214	-0.12	0.209	19.44	19.70	1.062	0.222	/
	17			15	349000	1745	108	0	0.04	0.232	19.35	19.70	1.084	**0.251**	78#
ANT3	17	NSA	Front Side	15	349000	1745	1	1	-0.16	0.086	15.92	16.20	1.067	0.092	/
	17			15	349000	1745	108	54	-0.02	0.087	15.91	16.20	1.069	0.093	/
	17		Back Side	15	349000	1745	1	1	-0.17	0.092	15.92	16.20	1.067	0.098	/
	17			15	349000	1745	108	54	0.08	0.094	15.91	16.20	1.069	0.100	/
ANT4	LEVEL4	SA	Front Side	15	346000	1730	1	108	-0.16	0.198	22.16	22.20	1.009	0.200	/
	LEVEL4			15	346000	1730	108	0	0.12	0.207	21.85	22.20	1.084	0.224	/
	LEVEL4		Back Side	15	346000	1730	1	108	-0.03	0.204	22.16	22.20	1.009	0.206	/
	LEVEL4			15	346000	1730	108	0	-0.14	0.192	21.85	22.20	1.084	0.208	/
ANT6	LEVEL4	NSA	Front Side	15	349000	1745	1	1	0.00	0.042	19.40	19.50	1.023	0.043	/
	LEVEL4			15	349000	1745	108	54	-0.15	0.048	19.36	19.50	1.033	0.050	/
	LEVEL4		Back Side	15	349000	1745	1	1	0.01	0.052	19.40	19.50	1.023	0.053	/
	LEVEL4			15	349000	1745	108	54	-0.08	0.058	19.36	19.50	1.033	0.060	/
Hotspot															
ANT3	17	SA	Front Side	10	349000	1745	1	214	-0.11	0.356	19.44	19.70	1.062	0.378	/
	17			10	349000	1745	108	0	-0.12	0.361	19.35	19.70	1.084	0.391	/
	17		Back Side	10	349000	1745	1	214	-0.07	0.320	19.44	19.70	1.062	0.340	/
	17			10	349000	1745	108	0	-0.18	0.321	19.35	19.70	1.084	0.348	/
	17		Right Edge	10	349000	1745	1	214	0.19	0.082	19.44	19.70	1.062	0.087	/
	17			10	349000	1745	108	0	-0.13	0.083	19.35	19.70	1.084	0.090	/
	17		Top Edge	10	349000	1745	1	214	0.12	0.528	19.44	19.70	1.062	0.561	/
	17			10	349000	1745	108	0	-0.07	0.546	19.35	19.70	1.084	**0.592**	79#
ANT3	17	NSA	Front Side	10	349000	1745	1	1	-0.09	0.155	15.92	16.20	1.067	0.165	/
	17			10	349000	1745	108	54	-0.03	0.157	15.91	16.20	1.069	0.168	/
	17		Back Side	10	349000	1745	1	1	0.03	0.138	15.92	16.20	1.067	0.147	/
	17			10	349000	1745	108	54	-0.03	0.140	15.91	16.20	1.069	0.150	/
	17		Right Edge	10	349000	1745	1	1	0.17	0.011	15.92	16.20	1.067	0.012	/
	17			10	349000	1745	108	54	-0.14	0.012	15.91	16.20	1.069	0.013	/
	17		Top Edge	10	349000	1745	1	1	0.15	0.233	15.92	16.20	1.067	0.249	/
	17			10	349000	1745	108	54	0.06	0.236	15.91	16.20	1.069	0.252	/
ANT4	17	SA	Front Side	10	346000	1730	1	108	0.11	0.282	22.16	22.20	1.009	0.285	/
	17			10	346000	1730	108	0	0.19	0.303	21.85	22.20	1.084	0.328	/
	17		Back Side	10	346000	1730	1	108	-0.02	0.328	22.16	22.20	1.009	0.331	/
	17			10	346000	1730	108	0	0.16	0.311	21.85	22.20	1.084	0.337	/
	17		Left Edge	10	346000	1730	1	108	0.13	0.176	22.16	22.20	1.009	0.178	/
	17			10	346000	1730	108	0	-0.14	0.154	21.85	22.20	1.084	0.167	/
	17		Bottom Edge	10	346000	1730	1	108	0.18	0.554	22.16	22.20	1.009	0.559	/
	17			10	346000	1730	108	0	0.06	0.545	21.85	22.20	1.084	0.591	/
ANT6	17	NSA	Front Side	10	349000	1745	1	1	0.15	0.072	19.40	19.50	1.023	0.074	/
	17			10	349000	1745	108	54	-0.19	0.080	19.36	19.50	1.033	0.083	/
	17		Back Side	10	349000	1745	1	1	-0.14	0.070	19.40	19.50	1.023	0.072	/
	17			10	349000	1745	108	54	-0.09	0.084	19.36	19.50	1.033	0.087	/
	17		Left Edge	10	349000	1745	1	1	-0.17	0.194	19.40	19.50	1.023	0.199	/

	17			10	349000	1745	108	54	-0.03	0.209	19.36	19.50	1.033	0.216	/
	17		Top Edge	10	349000	1745	1	1	0.10	0.050	19.40	19.50	1.023	0.051	/
	17			10	349000	1745	108	54	-0.08	0.070	19.36	19.50	1.033	0.072	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction state	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	VRB Length	VRB 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															
ANT3	17	SA	Top Edge	0	349000	1745	1	214	0.04	1.150	19.44	19.70	1.062	1.221	/
	17			0	349000	1745	108	0	0.10	1.200	19.35	19.70	1.084	**1.301**	80#
ANT3	17	NSA	Top Edge	0	349000	1745	1	1	0.05	0.421	15.92	16.20	1.067	0.449	/
	17			0	349000	1745	108	54	-0.12	0.437	15.91	16.20	1.069	**0.467**	81#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.28 WIFI 2.4GHz

Antenna	Power Reduction 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															
Ant.10	1	802.11 b	Left Cheek	0	6	2437	-0.12	0.584	93.05	1.075	15.21	15.50	1.069	0.671	/
	1		Left Tilt	0	6	2437	0.03	0.438	93.05	1.075	15.21	15.50	1.069	0.503	/
	1		Right Cheek	0	6	2437	0.07	0.270	93.05	1.075	15.21	15.50	1.069	0.310	/
	1		Right Tilt	0	6	2437	-0.03	0.276	93.05	1.075	15.21	15.50	1.069	0.317	/
Ant.10	3	802.11 b	Left Cheek	0	6	2437	0.19	0.234	93.05	1.075	10.71	11.00	1.069	0.269	/
	3		Left Tilt	0	6	2437	-0.15	0.192	93.05	1.075	10.71	11.00	1.069	0.221	/
	3		Right Cheek	0	6	2437	0.02	0.108	93.05	1.075	10.71	11.00	1.069	0.124	/
	3		Right Tilt	0	6	2437	0.15	0.098	93.05	1.075	10.71	11.00	1.069	0.113	/
Ant.10	4	802.11 b	Left Cheek	0	6	2437	-0.17	0.376	93.05	1.075	12.42	12.50	1.019	0.412	/
	4		Left Tilt	0	6	2437	-0.17	0.262	93.05	1.075	12.42	12.50	1.019	0.287	/
	4		Right Cheek	0	6	2437	0.00	0.189	93.05	1.075	12.42	12.50	1.019	0.207	/
	4		Right Tilt	0	6	2437	-0.05	0.150	93.05	1.075	12.42	12.50	1.019	0.164	/
Ant.10	6	802.11 b	Left Cheek	0	6	2437	-0.19	0.167	93.05	1.075	7.83	8.00	1.040	0.187	/
	6		Left Tilt	0	6	2437	0.07	0.113	93.05	1.075	7.83	8.00	1.040	0.126	/
	6		Right Cheek	0	6	2437	-0.16	0.058	93.05	1.075	7.83	8.00	1.040	0.065	/
	6		Right Tilt	0	6	2437	0.07	0.055	93.05	1.075	7.83	8.00	1.040	0.061	/
Ant.6	1&2&4	802.11 b	Left Cheek	0	6	2437	-0.05	0.283	93.05	1.075	17.16	18.00	1.213	0.369	/
	1&2&4		Left Tilt	0	6	2437	-0.07	0.102	93.05	1.075	17.16	18.00	1.213	0.133	/
	1&2&4		Right Cheek	0	6	2437	-0.11	0.083	93.05	1.075	17.16	18.00	1.213	0.108	/
	1&2&4		Right Tilt	0	6	2437	-0.14	0.045	93.05	1.075	17.16	18.00	1.213	0.059	/
Ant.6	3	802.11 b	Left Cheek	0	6	2437	-0.05	0.166	93.05	1.075	15.81	16.00	1.045	0.186	/
	3		Left Tilt	0	6	2437	0.05	0.060	93.05	1.075	15.81	16.00	1.045	0.067	/
	3		Right Cheek	0	6	2437	0.14	0.046	93.05	1.075	15.81	16.00	1.045	0.052	/
	3		Right Tilt	0	6	2437	0.19	0.006	93.05	1.075	15.81	16.00	1.045	0.007	/
Ant.6	5	802.11 b	Left Cheek	0	6	2437	-0.05	0.153	93.05	1.075	16.71	15.00	0.675	0.111	/
	5		Left Tilt	0	6	2437	0.06	0.049	93.05	1.075	16.71	15.00	0.675	0.036	/
	5		Right Cheek	0	6	2437	0.18	0.004	93.05	1.075	16.71	15.00	0.675	0.003	/
	5		Right Tilt	0	6	2437	0.07	0.009	93.05	1.075	16.71	15.00	0.675	0.007	/
Ant.6	6	802.11 b	Left Cheek	0	6	2437	-0.14	0.085	93.05	1.075	12.86	13.00	1.033	0.094	/
	6		Left Tilt	0	6	2437	-0.16	0.005	93.05	1.075	12.86	13.00	1.033	0.006	/
	6		Right Cheek	0	6	2437	0.11	0.008	93.05	1.075	12.86	13.00	1.033	0.009	/
	6		Right Tilt	0	6	2437	0.11	0.006	93.05	1.075	12.86	13.00	1.033	0.007	/
Ant.6&10	1	802.11 b	Left Cheek	0	1	2412	0.18	0.684	93.05	1.075	18.27	18.50	1.054	**0.775**	82#
	1			0	6	2437	-0.12	0.649	93.05	1.075	18.26	18.50	1.057	0.737	/
	1			0	11	2462	0.07	0.591	93.05	1.075	18.01	18.50	1.119	0.711	/
	1		Left Tilt	0	1	2412	-0.15	0.423	93.05	1.075	18.27	18.50	1.054	0.479	/
	1		Right Cheek	0	1	2412	-0.15	0.382	93.05	1.075	18.27	18.50	1.054	0.433	/
	1		Right Tilt	0	1	2412	-0.18	0.324	93.05	1.075	18.27	18.50	1.054	0.367	/
Ant.6&10	3	802.11 b	Left Cheek	0	6	2437	0.17	0.310	93.05	1.075	13.63	14.00	1.089	0.363	/

	3		Left Tilt	0	6	2437	0.19	0.193	93.05	1.075	13.63	14.00	1.089	0.226	/
	3		Right Cheek	0	6	2437	-0.18	0.135	93.05	1.075	13.63	14.00	1.089	0.158	/
	3		Right Tilt	0	6	2437	0.08	0.133	93.05	1.075	13.63	14.00	1.089	0.156	/
Ant.6&10	4	802.11 b	Left Cheek	0	6	2437	-0.07	0.360	93.05	1.075	15.37	15.50	1.030	0.399	/
	4		Left Tilt	0	6	2437	0.10	0.268	93.05	1.075	15.37	15.50	1.030	0.297	/
	4		Right Cheek	0	6	2437	-0.03	0.200	93.05	1.075	15.37	15.50	1.030	0.221	/
	4		Right Tilt	0	6	2437	-0.16	0.162	93.05	1.075	15.37	15.50	1.030	0.179	/
Ant.6&10	6	802.11 b	Left Cheek	0	6	2437	-0.12	0.137	93.05	1.075	10.88	11.00	1.028	0.151	/
	6		Left Tilt	0	6	2437	-0.13	0.104	93.05	1.075	10.88	11.00	1.028	0.115	/
	6		Right Cheek	0	6	2437	-0.01	0.064	93.05	1.075	10.88	11.00	1.028	0.071	/
	6		Right Tilt	0	6	2437	-0.06	0.061	93.05	1.075	10.88	11.00	1.028	0.067	/
Body-worn Accessory															
Ant.6	7	802.11 b	Front Side	15	6	2437	0.17	0.100	93.05	1.075	17.16	18.00	1.213	0.130	/
	7		Back Side	15	6	2437	0.13	0.108	93.05	1.075	17.16	18.00	1.213	0.141	/
Ant.10	7	802.11 b	Front Side	15	6	2437	-0.12	0.005	93.05	1.075	17.83	18.00	1.040	0.006	/
	7		Back Side	15	6	2437	0.17	0.003	93.05	1.075	17.83	18.00	1.040	0.003	/
Ant.6&10	7	802.11 b	Front Side	15	6	2437	-0.12	0.108	93.05	1.075	20.52	21.00	1.117	0.130	/
	7		Back Side	15	6	2437	0.06	0.118	93.05	1.075	20.52	21.00	1.117	**0.142**	83#
Hotspot															
Ant.10	7	802.11 b	Front Side	10	6	2437	0.01	0.215	93.05	1.075	17.83	18.00	1.040	0.240	/
	7		Back Side	10	6	2437	-0.18	0.175	93.05	1.075	17.83	18.00	1.040	0.196	/
	7		Left Edge	10	6	2437	-0.09	0.209	93.05	1.075	17.83	18.00	1.040	0.234	/
	7		Right Edge	10	6	2437	-0.13	0.007	93.05	1.075	17.83	18.00	1.040	0.008	/
	7		Top Edge	10	6	2437	0.19	0.236	93.05	1.075	17.83	18.00	1.040	**0.264**	84#
	7		Bottom Edge	10	6	2437	-0.14	0.007	93.05	1.075	17.83	18.00	1.040	0.008	/
Ant.6	7	802.11 b	Front Side	10	6	2437	0.00	0.075	93.05	1.075	17.16	18.00	1.213	0.098	/
	7		Back Side	10	6	2437	0.05	0.079	93.05	1.075	17.16	18.00	1.213	0.103	/
	7		Left Edge	10	6	2437	-0.02	0.175	93.05	1.075	17.16	18.00	1.213	0.228	/
	7		Right Edge	10	6	2437	-0.09	0.005	93.05	1.075	17.16	18.00	1.213	0.007	/
	7		Top Edge	10	6	2437	-0.04	0.007	93.05	1.075	17.16	18.00	1.213	0.009	/
	7		Bottom Edge	10	6	2437	-0.12	0.004	93.05	1.075	17.16	18.00	1.213	0.005	/
Ant.6&10	7	802.11 b	Front Side	10	6	2437	0.03	0.205	93.05	1.075	20.52	21.00	1.117	0.246	/
	7		Back Side	10	6	2437	-0.18	0.203	93.05	1.075	20.52	21.00	1.117	0.244	/
	7		Left Edge	10	6	2437	0.01	0.219	93.05	1.075	20.52	21.00	1.117	0.263	/
	7		Right Edge	10	6	2437	-0.04	0.002	93.05	1.075	20.52	21.00	1.117	0.002	/
	7		Top Edge	10	6	2437	-0.14	0.208	93.05	1.075	20.52	21.00	1.117	0.250	/
	7		Bottom Edge	10	6	2437	0.10	0.010	93.05	1.075	20.52	21.00	1.117	0.012	/

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

10.29 WIFI 5GHz

Antenna	Power Reduction state	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.7	1	5.3G	802.11ac 80	Left Cheek	0	58	5290	0.09	0.661	99.16	1.008	11.61	12.00	1.094	**0.729**	85#
	1			Left Tilt	0	58	5290	-0.04	0.319	99.16	1.008	11.61	12.00	1.094	0.352	/
	1			Right Cheek	0	58	5290	-0.06	0.208	99.16	1.008	11.61	12.00	1.094	0.229	/
	1			Right Tilt	0	58	5290	0.19	0.201	99.16	1.008	11.61	12.00	1.094	0.222	/
Ant.7	2&4	5.3G	802.11ac 80	Left Cheek	0	58	5290	-0.05	0.188	99.16	1.008	8.75	9.00	1.059	0.201	/
	2&4			Left Tilt	0	58	5290	0.08	0.148	99.16	1.008	8.75	9.00	1.059	0.158	/
	2&4			Right Cheek	0	58	5290	-0.01	0.106	99.16	1.008	8.75	9.00	1.059	0.113	/
	2&4			Right Tilt	0	58	5290	-0.13	0.099	99.16	1.008	8.75	9.00	1.059	0.106	/
Ant.7	3	5.3G	802.11ac 80	Left Cheek	0	58	5290	-0.18	0.174	99.16	1.008	7.65	8.00	1.084	0.190	/
	3			Left Tilt	0	58	5290	-0.19	0.129	99.16	1.008	7.65	8.00	1.084	0.141	/
	3			Right Cheek	0	58	5290	-0.01	0.093	99.16	1.008	7.65	8.00	1.084	0.102	/
	3			Right Tilt	0	58	5290	0.02	0.077	99.16	1.008	7.65	8.00	1.084	0.084	/
Ant.7	5	5.3G	802.11ac 80	Left Cheek	0	58	5290	-0.19	0.088	99.16	1.008	5.62	6.00	1.091	0.097	/
	5			Left Tilt	0	58	5290	-0.18	0.076	99.16	1.008	5.62	6.00	1.091	0.084	/
	5			Right Cheek	0	58	5290	-0.03	0.049	99.16	1.008	5.62	6.00	1.091	0.054	/
	5			Right Tilt	0	58	5290	-0.01	0.046	99.16	1.008	5.62	6.00	1.091	0.051	/
Ant.7	6	5.3G	802.11ac 80	Left Cheek	0	58	5290	-0.07	0.050	99.16	1.008	3.62	4.00	1.091	0.055	/
	6			Left Tilt	0	58	5290	0.13	0.037	99.16	1.008	3.62	4.00	1.091	0.041	/
	6			Right Cheek	0	58	5290	0.16	0.040	99.16	1.008	3.62	4.00	1.091	0.044	/
	6			Right Tilt	0	58	5290	-0.16	0.033	99.16	1.008	3.62	4.00	1.091	0.036	/
Ant.9	1&2&3&4&5&6	5.3G	802.11ac 80	Left Cheek	0	58	5290	-0.05	0.043	99.16	1.008	17.79	18.00	1.050	0.046	/
	1&2&3&4&5&6			Left Tilt	0	58	5290	0.18	0.046	99.16	1.008	17.79	18.00	1.050	0.049	/
	1&2&3&4&5&6			Right Cheek	0	58	5290	0.15	0.252	99.16	1.008	17.79	18.00	1.050	0.267	/
	1&2&3&4&5&6			Right Tilt	0	58	5290	-0.17	0.078	99.16	1.008	17.79	18.00	1.050	0.083	/
Ant.7&9	1	5.3G	802.11ac 80	Left Cheek	0	58	5290	0.04	0.380	99.16	1.008	14.80	15.00	1.047	0.401	/
	1			Left Tilt	0	58	5290	0.04	0.319	99.16	1.008	14.80	15.00	1.047	0.337	/
	1			Right Cheek	0	58	5290	0.10	0.221	99.16	1.008	14.80	15.00	1.047	0.233	/
	1			Right Tilt	0	58	5290	0.02	0.223	99.16	1.008	14.80	15.00	1.047	0.235	/
Ant.7&9	2&4	5.3G	802.11ac 80	Left Cheek	0	58	5290	0.14	0.178	99.16	1.008	11.79	12.00	1.050	0.188	/
	2&4			Left Tilt	0	58	5290	0.19	0.173	99.16	1.008	11.79	12.00	1.050	0.183	/
	2&4			Right Cheek	0	58	5290	0.10	0.112	99.16	1.008	11.79	12.00	1.050	0.119	/
	2&4			Right Tilt	0	58	5290	0.09	0.098	99.16	1.008	11.79	12.00	1.050	0.104	/
Ant.7&9	3	5.3G	802.11ac 80	Left Cheek	0	58	5290	0.06	0.167	99.16	1.008	10.75	11.00	1.059	0.178	/
	3			Left Tilt	0	58	5290	-0.12	0.130	99.16	1.008	10.75	11.00	1.059	0.139	/
	3			Right Cheek	0	58	5290	-0.19	0.085	99.16	1.008	10.75	11.00	1.059	0.091	/

	3			Right Tilt	0	58	5290	0.16	0.089	99.16	1.008	10.75	11.00	1.059	0.095	/
Ant.7&9	5	5.3G	802.11ac 80	Left Cheek	0	58	5290	-0.10	0.095	99.16	1.008	8.74	9.00	1.062	0.102	/
	5			Left Tilt	0	58	5290	-0.03	0.079	99.16	1.008	8.74	9.00	1.062	0.085	/
	5			Right Cheek	0	58	5290	-0.11	0.053	99.16	1.008	8.74	9.00	1.062	0.057	/
	5			Right Tilt	0	58	5290	-0.17	0.066	99.16	1.008	8.74	9.00	1.062	0.071	/
Ant.7&9	6	5.3G	802.11ac 80	Left Cheek	0	58	5290	0.05	0.043	99.16	1.008	6.70	7.00	1.072	0.046	/
	6			Left Tilt	0	58	5290	0.01	0.009	99.16	1.008	6.70	7.00	1.072	0.010	/
	6			Right Cheek	0	58	5290	-0.05	0.033	99.16	1.008	6.70	7.00	1.072	0.036	/
	6			Right Tilt	0	58	5290	0.10	0.037	99.16	1.008	6.70	7.00	1.072	0.040	/
Ant.7	1	5.6G	802.11ac 80	Left Cheek	0	114	5570	-0.06	0.409	99.38	1.006	11.78	12.00	1.052	0.433	/
	1			Left Tilt	0	114	5570	0.04	0.348	99.38	1.006	11.78	12.00	1.052	0.368	/
	1			Right Cheek	0	114	5570	0.05	0.244	99.38	1.006	11.78	12.00	1.052	0.258	/
	1			Right Tilt	0	114	5570	-0.02	0.243	99.38	1.006	11.78	12.00	1.052	0.257	/
Ant.7	2&4	5.6G	802.11ac 80	Left Cheek	0	114	5570	-0.04	0.184	99.38	1.006	8.82	9.00	1.042	0.193	/
	2&4			Left Tilt	0	114	5570	0.02	0.173	99.38	1.006	8.82	9.00	1.042	0.181	/
	2&4			Right Cheek	0	114	5570	-0.18	0.115	99.38	1.006	8.82	9.00	1.042	0.121	/
	2&4			Right Tilt	0	114	5570	-0.19	0.122	99.38	1.006	8.82	9.00	1.042	0.128	/
Ant.7	3	5.6G	802.11ac 80	Left Cheek	0	114	5570	0.13	0.174	99.38	1.006	7.72	8.00	1.067	0.187	/
	3			Left Tilt	0	114	5570	-0.09	0.149	99.38	1.006	7.72	8.00	1.067	0.160	/
	3			Right Cheek	0	114	5570	0.19	0.095	99.38	1.006	7.72	8.00	1.067	0.102	/
	3			Right Tilt	0	114	5570	-0.15	0.106	99.38	1.006	7.72	8.00	1.067	0.114	/
Ant.7	5	5.6G	802.11ac 80	Left Cheek	0	114	5570	0.00	0.104	99.38	1.006	5.79	6.00	1.050	0.110	/
	5			Left Tilt	0	114	5570	0.04	0.091	99.38	1.006	5.79	6.00	1.050	0.096	/
	5			Right Cheek	0	114	5570	-0.11	0.088	99.38	1.006	5.79	6.00	1.050	0.093	/
	5			Right Tilt	0	114	5570	-0.10	0.065	99.38	1.006	5.79	6.00	1.050	0.069	/
Ant.7	6	5.6G	802.11ac 80	Left Cheek	0	114	5570	0.03	0.053	99.38	1.006	3.82	4.00	1.042	0.056	/
	6			Left Tilt	0	114	5570	-0.02	0.044	99.38	1.006	3.82	4.00	1.042	0.046	/
	6			Right Cheek	0	114	5570	-0.04	0.033	99.38	1.006	3.82	4.00	1.042	0.035	/
	6			Right Tilt	0	114	5570	0.14	0.003	99.38	1.006	3.82	4.00	1.042	0.003	/
Ant.9	1&2&3&4&5&6	5.6G	802.11ac 80	Left Cheek	0	114	5570	-0.08	0.036	99.38	1.006	17.54	18.00	1.112	0.040	/
	1&2&3&4&5&6			Left Tilt	0	114	5570	-0.11	0.030	99.38	1.006	17.54	18.00	1.112	0.034	/
	1&2&3&4&5&6			Right Cheek	0	114	5570	0.06	0.254	99.38	1.006	17.54	18.00	1.112	0.284	/
	1&2&3&4&5&6			Right Tilt	0	114	5570	-0.15	0.089	99.38	1.006	17.54	18.00	1.112	0.100	/
Ant.7&9	1	5.6G	802.11ac 80	Left Cheek	0	114	5570	0.00	0.664	99.38	1.006	14.82	15.00	1.042	**0.696**	86#
	1			Left Tilt	0	114	5570	0.02	0.365	99.38	1.006	14.82	15.00	1.042	0.383	/
	1			Right Cheek	0	114	5570	0.04	0.252	99.38	1.006	14.82	15.00	1.042	0.264	/
	1			Right Tilt	0	114	5570	0.06	0.245	99.38	1.006	14.82	15.00	1.042	0.257	/
Ant.7&9	2&4	5.6G	802.11ac 80	Left Cheek	0	114	5570	0.05	0.205	99.38	1.006	11.55	12.00	1.109	0.229	/
	2&4			Left Tilt	0	114	5570	-0.11	0.198	99.38	1.006	11.55	12.00	1.109	0.221	/
	2&4			Right Cheek	0	114	5570	0.13	0.121	99.38	1.006	11.55	12.00	1.109	0.135	/
	2&4			Right Tilt	0	114	5570	0.10	0.123	99.38	1.006	11.55	12.00	1.109	0.137	/

Ant.7&9	3	5.6G	802.11ac 80	Left Cheek	0	114	5570	0.01	0.166	99.38	1.006	10.70	11.00	1.072	0.179	/
	3			Left Tilt	0	114	5570	-0.06	0.154	99.38	1.006	10.70	11.00	1.072	0.166	/
	3			Right Cheek	0	114	5570	-0.02	0.095	99.38	1.006	10.70	11.00	1.072	0.102	/
	3			Right Tilt	0	114	5570	-0.06	0.097	99.38	1.006	10.70	11.00	1.072	0.105	/
Ant.7&9	5	5.6G	802.11ac 80	Left Cheek	0	114	5570	0.09	0.105	99.38	1.006	8.81	9.00	1.045	0.110	/
	5			Left Tilt	0	114	5570	0.09	0.095	99.38	1.006	8.81	9.00	1.045	0.100	/
	5			Right Cheek	0	114	5570	0.13	0.060	99.38	1.006	8.81	9.00	1.045	0.063	/
	5			Right Tilt	0	114	5570	0.14	0.064	99.38	1.006	8.81	9.00	1.045	0.067	/
Ant.7&9	6	5.6G	802.11ac 80	Left Cheek	0	114	5570	0.06	0.055	99.38	1.006	6.83	7.00	1.040	0.058	/
	6			Left Tilt	0	114	5570	-0.05	0.045	99.38	1.006	6.83	7.00	1.040	0.047	/
	6			Right Cheek	0	114	5570	0.05	0.012	99.38	1.006	6.83	7.00	1.040	0.013	/
	6			Right Tilt	0	114	5570	-0.17	0.048	99.38	1.006	6.83	7.00	1.040	0.050	/
Ant.7	1	5.8G	802.11ac 80	Left Cheek	0	155	5775	0.17	0.368	99.16	1.008	11.98	12.00	1.005	0.373	/
	1			Left Tilt	0	155	5775	-0.09	0.326	99.16	1.008	11.98	12.00	1.005	0.330	/
	1			Right Cheek	0	155	5775	0.07	0.187	99.16	1.008	11.98	12.00	1.005	0.189	/
	1			Right Tilt	0	155	5775	0.10	0.183	99.16	1.008	11.98	12.00	1.005	0.185	/
Ant.7	2&4	5.8G	802.11ac 80	Left Cheek	0	155	5775	-0.03	0.156	99.16	1.008	8.69	9.00	1.074	0.169	/
	2&4			Left Tilt	0	155	5775	0.07	0.152	99.16	1.008	8.69	9.00	1.074	0.165	/
	2&4			Right Cheek	0	155	5775	0.05	0.081	99.16	1.008	8.69	9.00	1.074	0.088	/
	2&4			Right Tilt	0	155	5775	-0.05	0.087	99.16	1.008	8.69	9.00	1.074	0.094	/
Ant.7	3	5.8G	802.11ac 80	Left Cheek	0	155	5775	0.12	0.147	99.16	1.008	7.88	8.00	1.028	0.152	/
	3			Left Tilt	0	155	5775	-0.14	0.132	99.16	1.008	7.88	8.00	1.028	0.137	/
	3			Right Cheek	0	155	5775	-0.06	0.086	99.16	1.008	7.88	8.00	1.028	0.089	/
	3			Right Tilt	0	155	5775	0.19	0.068	99.16	1.008	7.88	8.00	1.028	0.070	/
Ant.7	5	5.8G	802.11ac 80	Left Cheek	0	155	5775	0.08	0.067	99.16	1.008	5.77	6.00	1.054	0.071	/
	5			Left Tilt	0	155	5775	-0.01	0.040	99.16	1.008	5.77	6.00	1.054	0.043	/
	5			Right Cheek	0	155	5775	-0.09	0.052	99.16	1.008	5.77	6.00	1.054	0.055	/
	5			Right Tilt	0	155	5775	0.15	0.042	99.16	1.008	5.77	6.00	1.054	0.045	/
Ant.7	6	5.8G	802.11ac 80	Left Cheek	0	155	5775	0.03	0.042	99.16	1.008	3.62	4.00	1.091	0.046	/
	6			Left Tilt	0	155	5775	0.02	0.048	99.16	1.008	3.62	4.00	1.091	0.053	/
	6			Right Cheek	0	155	5775	0.18	0.034	99.16	1.008	3.62	4.00	1.091	0.037	/
	6			Right Tilt	0	155	5775	-0.01	0.049	99.16	1.008	3.62	4.00	1.091	0.054	/
Ant.9	1&2&3&4&5&6	5.8G	802.11ac 80	Left Cheek	0	155	5775	-0.07	0.092	99.16	1.008	17.65	18.00	1.084	0.101	/
	1&2&3&4&5&6			Left Tilt	0	155	5775	0.14	0.071	99.16	1.008	17.65	18.00	1.084	0.078	/
	1&2&3&4&5&6			Right Cheek	0	155	5775	0.12	0.250	99.16	1.008	17.65	18.00	1.084	0.273	/
	1&2&3&4&5&6			Right Tilt	0	155	5775	-0.02	0.154	99.16	1.008	17.65	18.00	1.084	0.168	/
Ant.7&9	1	5.8G	802.11ac 80	Left Cheek	0	155	5775	0.13	0.515	99.16	1.008	14.88	15.00	1.028	**0.534**	87#
	1			Left Tilt	0	155	5775	0.07	0.356	99.16	1.008	14.88	15.00	1.028	0.369	/
	1			Right Cheek	0	155	5775	0.11	0.178	99.16	1.008	14.88	15.00	1.028	0.185	/
	1			Right Tilt	0	155	5775	0.11	0.195	99.16	1.008	14.88	15.00	1.028	0.202	/
Ant.7&9	2&4	5.8G	802.11ac	Left Cheek	0	155	5775	0.16	0.163	99.16	1.008	11.65	12.00	1.084	0.178	/

	2&4		80	Left Tilt	0	155	5775	0.19	0.157	99.16	1.008	11.65	12.00	1.084	0.172	/
	2&4			Right Cheek	0	155	5775	-0.19	0.080	99.16	1.008	11.65	12.00	1.084	0.087	/
	2&4			Right Tilt	0	155	5775	-0.18	0.081	99.16	1.008	11.65	12.00	1.084	0.089	/
Ant.7&9	3	5.8G	802.11ac 80	Left Cheek	0	155	5775	0.15	0.151	99.16	1.008	10.78	11.00	1.052	0.160	/
	3			Left Tilt	0	155	5775	-0.03	0.137	99.16	1.008	10.78	11.00	1.052	0.145	/
	3			Right Cheek	0	155	5775	0.12	0.081	99.16	1.008	10.78	11.00	1.052	0.086	/
	3			Right Tilt	0	155	5775	-0.17	0.080	99.16	1.008	10.78	11.00	1.052	0.085	/
Ant.7&9	5	5.8G	802.11ac 80	Left Cheek	0	155	5775	-0.08	0.083	99.16	1.008	8.66	9.00	1.081	0.091	/
	5			Left Tilt	0	155	5775	0.19	0.082	99.16	1.008	8.66	9.00	1.081	0.089	/
	5			Right Cheek	0	155	5775	0.00	0.055	99.16	1.008	8.66	9.00	1.081	0.060	/
	5			Right Tilt	0	155	5775	-0.06	0.049	99.16	1.008	8.66	9.00	1.081	0.053	/
Ant.7&9	6	5.8G	802.11ac 80	Left Cheek	0	155	5775	0.15	0.047	99.16	1.008	6.49	7.00	1.125	0.053	/
	6			Left Tilt	0	155	5775	-0.07	0.037	99.16	1.008	6.49	7.00	1.125	0.042	/
	6			Right Cheek	0	155	5775	-0.10	0.057	99.16	1.008	6.49	7.00	1.125	0.065	/
	6			Right Tilt	0	155	5775	0.18	0.036	99.16	1.008	6.49	7.00	1.125	0.041	/
Body-worn Accessory																
Ant.7	7	5.2G	802.11ac 80	Front Side	15	58	5290	0.15	0.152	99.16	1.008	17.84	18.00	1.038	0.159	/
	7			Back Side	15	58	5290	-0.06	0.050	99.16	1.008	17.84	18.00	1.038	0.052	/
Ant.9	7	5.2G	802.11ac 80	Front Side	15	58	5290	-0.10	0.011	99.16	1.008	17.97	18.00	1.007	0.011	/
	7			Back Side	15	58	5290	0.05	0.073	99.16	1.008	17.97	18.00	1.007	0.074	/
Ant.7&9	7	5.2G	802.11ac 80	Front Side	15	58	5290	0.00	0.153	99.16	1.008	20.83	21.00	1.040	**0.160**	88#
	7			Back Side	15	58	5290	-0.12	0.009	99.16	1.008	20.83	21.00	1.040	0.009	/
Ant.7	7	5.6G	802.11ac 80	Front Side	15	114	5570	-0.06	0.006	99.38	1.006	17.95	18.00	1.012	0.006	/
	7			Back Side	15	114	5570	-0.06	0.204	99.38	1.006	17.95	18.00	1.012	0.208	/
Ant.9	7	5.6G	802.11ac 80	Front Side	15	114	5570	-0.05	0.004	99.38	1.006	17.54	18.00	1.112	0.004	/
	7			Back Side	15	114	5570	-0.15	0.063	99.38	1.006	17.54	18.00	1.112	0.070	/
Ant.7&9	7	5.6G	802.11ac 80	Front Side	15	114	5570	0.00	0.262	99.38	1.006	20.76	21.00	1.057	**0.279**	89#
	7			Back Side	15	114	5570	0.16	0.201	99.38	1.006	20.76	21.00	1.057	0.214	/
Ant.7	7	5.8G	802.11ac 80	Front Side	15	155	5775	0.15	0.201	99.16	1.008	17.82	18.00	1.042	0.211	/
	7			Back Side	15	155	5775	0.06	0.123	99.16	1.008	17.82	18.00	1.042	0.129	/
Ant.9	7	5.8G	802.11ac 80	Front Side	15	155	5775	-0.17	0.056	99.16	1.008	17.65	18.00	1.084	0.061	/
	7			Back Side	15	155	5775	-0.14	0.133	99.16	1.008	17.65	18.00	1.084	0.145	/
Ant.7&9	7	5.8G	802.11ac 80	Front Side	15	155	5775	0.04	0.211	99.16	1.008	20.75	21.00	1.059	**0.225**	90#
	7			Back Side	15	155	5775	0.00	0.141	99.16	1.008	20.75	21.00	1.059	0.151	/
Hotspot																
Ant.7	7	5.2G	802.11ac 80	Front Side	10	42	5210	-0.17	0.353	99.16	1.008	17.58	18.00	1.102	0.392	/
	7			Back Side	10	42	5210	-0.07	0.107	99.16	1.008	17.58	18.00	1.102	0.119	/
	7			Left Edge	10	42	5210	-0.01	0.150	99.16	1.008	17.58	18.00	1.102	0.167	/
	7			Right Edge	10	42	5210	-0.14	0.006	99.16	1.008	17.58	18.00	1.102	0.007	/
	7			Top Edge	10	42	5210	0.16	0.320	99.16	1.008	17.58	18.00	1.102	0.355	/
	7			Bottom Edge	10	42	5210	-0.01	0.005	99.16	1.008	17.58	18.00	1.102	0.006	/
Ant.7	11	5.2G	802.11ac 80	Front Side	10	42	5210	-0.17	0.088	99.16	1.008	11.40	12.00	1.148	0.102	/
	11			Back Side	10	42	5210	-0.07	0.027	99.16	1.008	11.40	12.00	1.148	0.031	/
	11			Left Edge	10	42	5210	-0.01	0.038	99.16	1.008	11.40	12.00	1.148	0.043	/
	11			Right Edge	10	42	5210	-0.14	0.002	99.16	1.008	11.40	12.00	1.148	0.002	/

	11			Top Edge	10	42	5210	0.16	0.080	99.16	1.008	11.40	12.00	1.148	0.093	/
	11			Bottom Edge	10	42	5210	-0.01	0.001	99.16	1.008	11.40	12.00	1.148	0.001	/
Ant.9	7	5.2G	802.11ac 80	Front Side	10	42	5210	-0.09	0.008	99.16	1.008	17.72	18.00	1.067	0.009	/
	7			Back Side	10	42	5210	-0.11	0.165	99.16	1.008	17.72	18.00	1.067	0.177	/
	7			Left Edge	10	42	5210	-0.05	0.007	99.16	1.008	17.72	18.00	1.067	0.008	/
	7			Right Edge	10	42	5210	-0.10	0.137	99.16	1.008	17.72	18.00	1.067	0.147	/
	7			Top Edge	10	42	5210	-0.05	0.008	99.16	1.008	17.72	18.00	1.067	0.009	/
	7			Bottom Edge	10	42	5210	-0.08	0.009	99.16	1.008	17.72	18.00	1.067	0.010	/
Ant.9	11	5.2G	802.11ac 80	Front Side	10	42	5210	-0.09	0.002	99.16	1.008	11.42	12.00	1.143	0.002	/
	11			Back Side	10	42	5210	-0.11	0.041	99.16	1.008	11.42	12.00	1.143	0.048	/
	11			Left Edge	10	42	5210	-0.05	0.002	99.16	1.008	11.42	12.00	1.143	0.002	/
	11			Right Edge	10	42	5210	-0.10	0.034	99.16	1.008	11.42	12.00	1.143	0.039	/
	11			Top Edge	10	42	5210	-0.05	0.002	99.16	1.008	11.42	12.00	1.143	0.002	/
	11			Bottom Edge	10	42	5210	-0.08	0.002	99.16	1.008	11.42	12.00	1.143	0.003	/
Ant.7&9	7	5.2G	802.11ac 80	Front Side	10	42	5210	0.11	0.367	99.16	1.008	20.66	21.00	1.081	**0.400**	91#
	7			Back Side	10	42	5210	0.09	0.181	99.16	1.008	20.66	21.00	1.081	0.197	/
	7			Left Edge	10	42	5210	-0.15	0.147	99.16	1.008	20.66	21.00	1.081	0.160	/
	7			Right Edge	10	42	5210	0.07	0.154	99.16	1.008	20.66	21.00	1.081	0.168	/
	7			Top Edge	10	42	5210	-0.09	0.311	99.16	1.008	20.66	21.00	1.081	0.339	/
	7			Bottom Edge	10	42	5210	-0.08	0.011	99.16	1.008	20.66	21.00	1.081	0.012	/
Ant.7&9	11	5.2G	802.11ac 80	Front Side	10	42	5210	0.11	0.092	99.16	1.008	14.42	15.00	1.143	0.106	/
	11			Back Side	10	42	5210	0.09	0.045	99.16	1.008	14.42	15.00	1.143	0.052	/
	11			Left Edge	10	42	5210	-0.15	0.037	99.16	1.008	14.42	15.00	1.143	0.042	/
	11			Right Edge	10	42	5210	0.07	0.039	99.16	1.008	14.42	15.00	1.143	0.044	/
	11			Top Edge	10	42	5210	-0.09	0.078	99.16	1.008	14.42	15.00	1.143	0.090	/
	11			Bottom Edge	10	42	5210	-0.08	0.003	99.16	1.008	14.42	15.00	1.143	0.003	/
Ant.7	7	5.8G	802.11ac 80	Front Side	10	155	5775	0.11	0.238	99.16	1.008	17.82	18.00	1.042	0.250	/
	7			Back Side	10	155	5775	-0.16	0.133	99.16	1.008	17.82	18.00	1.042	0.140	/
	7			Left Edge	10	155	5775	0.13	0.174	99.16	1.008	17.82	18.00	1.042	0.183	/
	7			Right Edge	10	155	5775	0.10	0.004	99.16	1.008	17.82	18.00	1.042	0.004	/
	7			Top Edge	10	155	5775	0.08	0.351	99.16	1.008	17.82	18.00	1.042	0.369	/
	7			Bottom Edge	10	155	5775	-0.13	0.006	99.16	1.008	17.82	18.00	1.042	0.006	/
Ant.7	11	5.8G	802.11ac 80	Front Side	10	155	5775	0.11	0.060	99.16	1.008	11.98	12.00	1.005	0.060	/
	11			Back Side	10	155	5775	-0.16	0.033	99.16	1.008	11.98	12.00	1.005	0.034	/
	11			Left Edge	10	155	5775	0.13	0.044	99.16	1.008	11.98	12.00	1.005	0.044	/
	11			Right Edge	10	155	5775	0.10	0.001	99.16	1.008	11.98	12.00	1.005	0.001	/
	11			Top Edge	10	155	5775	0.08	0.088	99.16	1.008	11.98	12.00	1.005	0.089	/
	11			Bottom Edge	10	155	5775	-0.13	0.002	99.16	1.008	11.98	12.00	1.005	0.002	/
Ant.9	7	5.8G	802.11ac 80	Front Side	10	155	5775	-0.05	0.151	99.16	1.008	17.65	18.00	1.084	0.165	/
	7			Back Side	10	155	5775	0.11	0.056	99.16	1.008	17.65	18.00	1.084	0.061	/
	7			Left Edge	10	155	5775	0.01	0.008	99.16	1.008	17.65	18.00	1.084	0.009	/
	7			Right Edge	10	155	5775	-0.10	0.101	99.16	1.008	17.65	18.00	1.084	0.110	/
	7			Top Edge	10	155	5775	-0.06	0.032	99.16	1.008	17.65	18.00	1.084	0.035	/
	7			Bottom Edge	10	155	5775	0.03	0.011	99.16	1.008	17.65	18.00	1.084	0.012	/
Ant.9	11	5.8G	802.11ac	Front Side	10	155	5775	-0.05	0.038	99.16	1.008	11.17	12.00	1.211	0.046	/

	11		80	Back Side	10	155	5775	0.11	0.014	99.16	1.008	11.17	12.00	1.211	0.017	/
	11			Left Edge	10	155	5775	0.01	0.002	99.16	1.008	11.17	12.00	1.211	0.002	/
	11			Right Edge	10	155	5775	-0.10	0.025	99.16	1.008	11.17	12.00	1.211	0.031	/
	11			Top Edge	10	155	5775	-0.06	0.008	99.16	1.008	11.17	12.00	1.211	0.010	/
	11			Bottom Edge	10	155	5775	0.03	0.003	99.16	1.008	11.17	12.00	1.211	0.003	/
Ant.7&9	7	5.8G	802.11ac 80	Front Side	10	155	5775	0.15	0.213	99.16	1.008	20.75	21.00	1.059	0.228	/
	7			Back Side	10	155	5775	0.07	0.148	99.16	1.008	20.75	21.00	1.059	0.158	/
	7			Left Edge	10	155	5775	-0.09	0.177	99.16	1.008	20.75	21.00	1.059	0.189	/
	7			Right Edge	10	155	5775	0.12	0.101	99.16	1.008	20.75	21.00	1.059	0.108	/
	7			Top Edge	10	155	5775	0.11	0.363	99.16	1.008	20.75	21.00	1.059	**0.388**	92#
	7			Bottom Edge	10	155	5775	0.09	0.012	99.16	1.008	20.75	21.00	1.059	0.013	/
Ant.7&9	11	5.8G	802.11ac 80	Front Side	10	155	5775	0.15	0.053	99.16	1.008	14.60	15.00	1.096	0.059	/
	11			Back Side	10	155	5775	0.07	0.037	99.16	1.008	14.60	15.00	1.096	0.041	/
	11			Left Edge	10	155	5775	-0.09	0.044	99.16	1.008	14.60	15.00	1.096	0.049	/
	11			Right Edge	10	155	5775	0.12	0.025	99.16	1.008	14.60	15.00	1.096	0.028	/
	11			Top Edge	10	155	5775	0.11	0.091	99.16	1.008	14.60	15.00	1.096	0.100	/
	11			Bottom Edge	10	155	5775	0.09	0.003	99.16	1.008	14.60	15.00	1.096	0.003	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Power Reduction state	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.7	7	5.3G	802.11ac 80	Front Side	0	58	5290	0.16	1.359	99.16	1.008	17.84	18.00	1.038	1.422	/
	7			Back Side	0	58	5290	0.06	0.245	99.16	1.008	17.84	18.00	1.038	0.256	/
	7			Left Edge	0	58	5290	0.13	0.894	99.16	1.008	17.84	18.00	1.038	0.935	/
	7			Right Edge	0	58	5290	-0.18	0.030	99.16	1.008	17.84	18.00	1.038	0.031	/
	7			Top Edge	0	58	5290	0.03	1.302	99.16	1.008	17.84	18.00	1.038	1.362	/
	7			Bottom Edge	0	58	5290	0.15	0.028	99.16	1.008	17.84	18.00	1.038	0.029	/
Ant.9	7	5.3G	802.11ac 80	Front Side	0	58	5290	-0.02	0.079	99.16	1.008	17.97	18.00	1.007	0.080	/
	7			Back Side	0	58	5290	0.01	0.331	99.16	1.008	17.97	18.00	1.007	0.336	/
	7			Left Edge	0	58	5290	0.08	0.012	99.16	1.008	17.97	18.00	1.007	0.012	/
	7			Right Edge	0	58	5290	0.05	0.321	99.16	1.008	17.97	18.00	1.007	0.326	/
	7			Top Edge	0	58	5290	-0.17	0.028	99.16	1.008	17.97	18.00	1.007	0.028	/
	7			Bottom Edge	0	58	5290	-0.17	0.013	99.16	1.008	17.97	18.00	1.007	0.013	/
Ant.7&9	7	5.3G	802.11ac 80	Front Side	0	58	5290	0.10	1.630	99.16	1.008	20.83	21.00	1.040	**1.709**	93#
	7			Back Side	0	58	5290	-0.01	0.386	99.16	1.008	20.83	21.00	1.040	0.405	/
	7			Left Edge	0	58	5290	-0.18	0.782	99.16	1.008	20.83	21.00	1.040	0.820	/
	7			Right Edge	0	58	5290	-0.01	0.275	99.16	1.008	20.83	21.00	1.040	0.288	/
	7			Top Edge	0	58	5290	-0.05	0.845	99.16	1.008	20.83	21.00	1.040	0.886	/
	7			Bottom Edge	0	58	5290	0.16	0.028	99.16	1.008	20.83	21.00	1.040	0.029	/
Ant.7	7	5.6G	802.11ac 80	Front Side	0	114	5570	0.03	1.105	99.38	1.006	17.95	18.00	1.012	1.125	/
	7			Back Side	0	114	5570	0.04	0.407	99.38	1.006	17.95	18.00	1.012	0.414	/
	7			Left Edge	0	114	5570	0.18	0.571	99.38	1.006	17.95	18.00	1.012	0.581	/
	7			Right Edge	0	114	5570	0.01	0.024	99.38	1.006	17.95	18.00	1.012	0.024	/
	7			Top Edge	0	114	5570	0.15	1.139	99.38	1.006	17.95	18.00	1.012	1.159	/
	7			Bottom Edge	0	114	5570	-0.15	0.032	99.38	1.006	17.95	18.00	1.012	0.033	/
Ant.9	7	5.6G	802.11ac 80	Front Side	0	114	5570	0.07	0.046	99.38	1.006	17.54	18.00	1.112	0.051	/
	7			Back Side	0	114	5570	0.01	0.233	99.38	1.006	17.54	18.00	1.112	0.261	/
	7			Left Edge	0	114	5570	0.08	0.009	99.38	1.006	17.54	18.00	1.112	0.010	/
	7			Right Edge	0	114	5570	0.01	0.146	99.38	1.006	17.54	18.00	1.112	0.163	/
	7			Top Edge	0	114	5570	0.12	0.013	99.38	1.006	17.54	18.00	1.112	0.015	/
	7			Bottom Edge	0	114	5570	0.01	0.007	99.38	1.006	17.54	18.00	1.112	0.008	/
Ant.7&9	7	5.6G	802.11ac 80	Front Side	0	114	5570	-0.07	1.380	99.38	1.006	20.76	21.00	1.057	**1.468**	94#
	7			Back Side	0	114	5570	0.01	0.388	99.38	1.006	20.76	21.00	1.057	0.413	/
	7			Left Edge	0	114	5570	0.16	0.980	99.38	1.006	20.76	21.00	1.057	1.042	/
	7			Right Edge	0	114	5570	-0.13	0.179	99.38	1.006	20.76	21.00	1.057	0.190	/
	7			Top Edge	0	114	5570	0.08	1.150	99.38	1.006	20.76	21.00	1.057	1.223	/
	7			Bottom Edge	0	114	5570	-0.12	0.030	99.38	1.006	20.76	21.00	1.057	0.032	/

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

10.30 Bluetooth

Antenna	Power Reduction 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															
Ant.10	1	DH5	Left Cheek	0	0	2402	-0.19	0.433	76.34	1.310	15.34	15.50	1.038	**0.588**	95#
	1		Left Tilt	0	0	2402	-0.11	0.372	76.34	1.310	15.34	15.50	1.038	0.506	/
	1		Right Cheek	0	0	2402	0.15	0.315	76.34	1.310	15.34	15.50	1.038	0.428	/
	1		Right Tilt	0	0	2402	-0.09	0.297	76.34	1.310	15.34	15.50	1.038	0.404	/
Ant.10	2&4	DH5	Left Cheek	0	39	2441	-0.01	0.228	76.34	1.310	11.81	12.50	1.172	0.350	/
	2&4		Left Tilt	0	39	2441	-0.03	0.195	76.34	1.310	11.81	12.50	1.172	0.299	/
	2&4		Right Cheek	0	39	2441	0.03	0.168	76.34	1.310	11.81	12.50	1.172	0.258	/
	2&4		Right Tilt	0	39	2441	0.06	0.155	76.34	1.310	11.81	12.50	1.172	0.238	/
Ant.10	3	DH5	Left Cheek	0	39	2441	0.06	0.166	76.34	1.310	10.91	11.00	1.021	0.222	/
	3		Left Tilt	0	39	2441	-0.16	0.143	76.34	1.310	10.91	11.00	1.021	0.191	/
	3		Right Cheek	0	39	2441	-0.14	0.122	76.34	1.310	10.91	11.00	1.021	0.163	/
	3		Right Tilt	0	39	2441	-0.01	0.113	76.34	1.310	10.91	11.00	1.021	0.151	/
Ant.10	5	DH5	Left Cheek	0	0	2402	0.17	0.121	76.34	1.310	8.94	9.50	1.138	0.180	/
	5		Left Tilt	0	0	2402	0.18	0.107	76.34	1.310	8.94	9.50	1.138	0.159	/
	5		Right Cheek	0	0	2402	-0.06	0.089	76.34	1.310	8.94	9.50	1.138	0.133	/
	5		Right Tilt	0	0	2402	-0.06	0.083	76.34	1.310	8.94	9.50	1.138	0.124	/
Ant.10	6	DH5	Left Cheek	0	0	2402	0.12	0.082	76.34	1.310	7.68	8.00	1.076	0.116	/
	6		Left Tilt	0	0	2402	-0.16	0.073	76.34	1.310	7.68	8.00	1.076	0.103	/
	6		Right Cheek	0	0	2402	0.01	0.066	76.34	1.310	7.68	8.00	1.076	0.093	/
	6		Right Tilt	0	0	2402	0.02	0.060	76.34	1.310	7.68	8.00	1.076	0.085	/
Body-worn Accessory															
Ant.10	7	DH5	Front Side	15	0	2402	0.04	0.032	76.34	1.310	15.34	16.00	1.164	**0.049**	96#
	7		Back Side	15	0	2402	-0.07	0.024	76.34	1.310	15.34	16.00	1.164	0.037	/
Hotspot															
Ant.10	7	DH5	Front Side	10	0	2402	0.15	0.098	76.34	1.310	15.34	16.00	1.164	0.149	/
	7		Back Side	10	0	2402	-0.01	0.102	76.34	1.310	15.34	16.00	1.164	0.156	/
	7		Left Edge	10	0	2402	0.00	0.017	76.34	1.310	15.34	16.00	1.164	0.026	/
	7		Right Edge	10	0	2402	0.04	0.025	76.34	1.310	15.34	16.00	1.164	0.038	/
	7		Top Edge	10	0	2402	0.02	0.123	76.34	1.310	15.34	16.00	1.164	**0.188**	97#
	7		Bottom Edge	10	0	2402	-0.07	0.011	76.34	1.310	15.34	16.00	1.164	0.017	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated^{1th} Measured SAR (W/kg)	Largest to Smallest SAR Radio
2580	LTE Band 38	Head	Right Tilt	0.995	Yes	0.964	1.03
Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required.							

Note: For product specific 10g SAR, the highest measured 10g SAR is 1.709 < 2.0 W/kg, repeated measurement is not required.

12 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).

12.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot	Specific
1	WLAN 2.4GHz(chain 1) + BT(chain 0)	Yes	Yes	Yes	Yes
2	WLAN 5GHz(chain 0) + BT(chain 0)	Yes	Yes	Yes	Yes
3	WLAN 5GHz(chain 1) + BT(chain 0)	Yes	Yes	Yes	Yes
4	WLAN 5GHz MIMO + BT(chain 0)	Yes	Yes	Yes	Yes
5	WLAN 2.4GHz (chain 0) + WLAN 5GHz (chain 0)	Yes	Yes	Yes	Yes
6	WLAN 2.4GHz (chain 0) + WLAN 5GHz (chain 1)	Yes	Yes	Yes	Yes
7	WLAN 2.4GHz (chain 0) + WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
8	WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 0)	Yes	Yes	Yes	Yes
9	WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 1)	Yes	Yes	Yes	Yes
10	WLAN 2.4GHz (chain 1) + WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
11	WLAN 2.4GHz MIMO + WLAN 5GHz (chain 0)	Yes	Yes	Yes	Yes
12	WLAN 2.4GHz MIMO + WLAN 5GHz (chain 1)	Yes	Yes	Yes	Yes
13	WLAN 2.4GHz MIMO + WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
14	WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 0) + BT(chain 0)	Yes	Yes	Yes	Yes
15	WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 1) + BT(chain 0)	Yes	Yes	Yes	Yes
16	WLAN 2.4GHz (chain 1) + WLAN 5GHz MIMO + BT(chain 0)	Yes	Yes	Yes	Yes
17	WWAN + WLAN 2.4GHz(chain 0)	Yes	Yes	Yes	Yes
18	WWAN + WLAN 2.4GHz(chain 1)	Yes	Yes	Yes	Yes
19	WWAN + WLAN 2.4GHz MIMO	Yes	Yes	Yes	Yes
20	WWAN + WLAN 5GHz(chain 0)	Yes	Yes	Yes	Yes
21	WWAN + WLAN 5GHz(chain 1)	Yes	Yes	Yes	Yes
22	WWAN + WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
23	WWAN + BT	Yes	Yes	Yes	Yes
24	WWAN + WLAN 2.4GHz(chain 1) + BT(chain 0)	Yes	Yes	Yes	Yes
25	WWAN + WLAN 5GHz(chain 0) + BT(chain 0)	Yes	Yes	Yes	Yes
26	WWAN + WLAN 5GHz(chain 1) + BT(chain 0)	Yes	Yes	Yes	Yes
27	WWAN + WLAN 5GHz MIMO + BT(chain 0)	Yes	Yes	Yes	Yes
28	WWAN + WLAN 2.4GHz (chain 0) + WLAN 5GHz (chain 0)	Yes	Yes	Yes	Yes
29	WWAN + WLAN 2.4GHz (chain 0) + WLAN 5GHz (chain 1)	Yes	Yes	Yes	Yes

30	WWAN + WLAN 2.4GHz (chain 0) + WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
31	WWAN + WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 0)	Yes	Yes	Yes	Yes
32	WWAN + WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 1)	Yes	Yes	Yes	Yes
33	WWAN + WLAN 2.4GHz (chain 1) + WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
34	WWAN + WLAN 2.4GHz MIMO + WLAN 5GHz (chain 0)	Yes	Yes	Yes	Yes
35	WWAN + WLAN 2.4GHz MIMO + WLAN 5GHz (chain 1)	Yes	Yes	Yes	Yes
36	WWAN + WLAN 2.4GHz MIMO + WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
37	WWAN + WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 0) + BT(chain 0)	Yes	Yes	Yes	Yes
38	WWAN + WLAN 2.4GHz (chain 1) + WLAN 5GHz (chain 1) + BT(chain 0)	Yes	Yes	Yes	Yes
39	WWAN + WLAN 2.4GHz (chain 1) + WLAN 5GHz MIMO + BT(chain 0)	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).

12.2 Sum SAR of Simultaneous Transmission

12.2.1 Head Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN 2.4G or 5G or Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR		
			1	2	3	4			
			WWAN	MAX 2.4G WIFI	MAX 5G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3)	Sum SAR (1+4)
GSM850	Ant.0	Left Cheek	0.478	0.447	0.229	0.350	0.925	0.707	0.828
	Ant.0	Left Tilt	0.059	0.333	0.221	0.299	0.392	0.280	0.358
	Ant.0	Right Cheek	0.221	0.248	0.284	0.258	0.469	0.505	0.479
	Ant.0	Right Tilt	0.041	0.201	0.168	0.238	0.242	0.209	0.279
GSM850	Ant.1	Left Cheek	0.153	0.447	0.229	0.350	0.600	0.382	0.503
	Ant.1	Left Tilt	0.107	0.333	0.221	0.299	0.440	0.328	0.406
	Ant.1	Right Cheek	0.230	0.248	0.284	0.258	0.478	0.514	0.488
	Ant.1	Right Tilt	0.126	0.201	0.168	0.238	0.327	0.294	0.364
GSM1900	Ant.3	Left Cheek	0.322	0.447	0.229	0.350	0.769	0.551	0.672
	Ant.3	Left Tilt	0.384	0.333	0.221	0.299	0.717	0.605	0.683
	Ant.3	Right Cheek	0.514	0.248	0.284	0.258	0.762	0.798	0.772
	Ant.3	Right Tilt	0.749	0.201	0.168	0.238	0.950	0.917	0.987
GSM1900	Ant.4	Left Cheek	0.090	0.447	0.229	0.350	0.537	0.319	0.440
	Ant.4	Left Tilt	0.075	0.333	0.221	0.299	0.408	0.296	0.374
	Ant.4	Right Cheek	0.109	0.248	0.284	0.258	0.357	0.393	0.367
	Ant.4	Right Tilt	0.089	0.201	0.168	0.238	0.290	0.257	0.327
WCDMA B2	Ant.3	Left Cheek	0.351	0.447	0.229	0.350	0.798	0.580	0.701
	Ant.3	Left Tilt	0.417	0.333	0.221	0.299	0.750	0.638	0.716
	Ant.3	Right Cheek	0.588	0.248	0.284	0.258	0.836	0.872	0.846
	Ant.3	Right Tilt	0.714	0.201	0.168	0.238	0.915	0.882	0.952
WCDMA B2	Ant.4	Left Cheek	0.158	0.447	0.229	0.350	0.605	0.387	0.508
	Ant.4	Left Tilt	0.120	0.333	0.221	0.299	0.453	0.341	0.419
	Ant.4	Right Cheek	0.150	0.248	0.284	0.258	0.398	0.434	0.408
	Ant.4	Right Tilt	0.179	0.201	0.168	0.238	0.380	0.347	0.417
WCDMA B4	Ant.3	Left Cheek	0.553	0.447	0.229	0.350	1.000	0.782	0.903
	Ant.3	Left Tilt	0.638	0.333	0.221	0.299	0.971	0.859	0.937
	Ant.3	Right Cheek	0.759	0.248	0.284	0.258	1.007	1.043	1.017
	Ant.3	Right Tilt	0.871	0.201	0.168	0.238	1.072	1.039	1.109
WCDMA B4	Ant.4	Left Cheek	0.219	0.447	0.229	0.350	0.666	0.448	0.569
	Ant.4	Left Tilt	0.172	0.333	0.221	0.299	0.505	0.393	0.471
	Ant.4	Right Cheek	0.114	0.248	0.284	0.258	0.362	0.398	0.372
	Ant.4	Right Tilt	0.166	0.201	0.168	0.238	0.367	0.334	0.404
WCDMA B5	Ant.0	Left Cheek	0.805	0.447	0.229	0.350	1.252	1.034	1.155
	Ant.0	Left Tilt	0.102	0.333	0.221	0.299	0.435	0.323	0.401
	Ant.0	Right Cheek	0.361	0.248	0.284	0.258	0.609	0.645	0.619
	Ant.0	Right Tilt	0.075	0.201	0.168	0.238	0.276	0.243	0.313
WCDMA B5	Ant.1	Left Cheek	0.190	0.447	0.229	0.350	0.637	0.419	0.540

	Ant.1	Left Tilt	0.137	0.333	0.221	0.299	0.470	0.358	0.436
	Ant.1	Right Cheek	0.281	0.248	0.284	0.258	0.529	0.565	0.539
	Ant.1	Right Tilt	0.155	0.201	0.168	0.238	0.356	0.323	0.393
LTE B2	Ant.3	Left Cheek	0.339	0.447	0.229	0.350	0.786	0.568	0.689
	Ant.3	Left Tilt	0.405	0.333	0.221	0.299	0.738	0.626	0.704
	Ant.3	Right Cheek	0.547	0.248	0.284	0.258	0.795	0.831	0.805
	Ant.3	Right Tilt	0.661	0.201	0.168	0.238	0.862	0.829	0.899
LTE B2	Ant.4	Left Cheek	0.107	0.447	0.229	0.350	0.554	0.336	0.457
	Ant.4	Left Tilt	0.100	0.333	0.221	0.299	0.433	0.321	0.399
	Ant.4	Right Cheek	0.122	0.248	0.284	0.258	0.370	0.406	0.380
	Ant.4	Right Tilt	0.131	0.201	0.168	0.238	0.332	0.299	0.369
LTE B4	Ant.3	Left Cheek	0.548	0.447	0.229	0.350	0.995	0.777	0.898
	Ant.3	Left Tilt	0.646	0.333	0.221	0.299	0.979	0.867	0.945
	Ant.3	Right Cheek	0.731	0.248	0.284	0.258	0.979	1.015	0.989
	Ant.3	Right Tilt	0.838	0.201	0.168	0.238	1.039	1.006	1.076
LTE B4	Ant.4	Left Cheek	0.230	0.447	0.229	0.350	0.677	0.459	0.580
	Ant.4	Left Tilt	0.168	0.333	0.221	0.299	0.501	0.389	0.467
	Ant.4	Right Cheek	0.116	0.248	0.284	0.258	0.364	0.400	0.374
	Ant.4	Right Tilt	0.171	0.201	0.168	0.238	0.372	0.339	0.409
LTE B5	Ant.0	Left Cheek	0.859	0.447	0.229	0.350	**1.306**	1.088	1.209
	Ant.0	Left Tilt	0.114	0.333	0.221	0.299	0.447	0.335	0.413
	Ant.0	Right Cheek	0.390	0.248	0.284	0.258	0.638	0.674	0.648
	Ant.0	Right Tilt	0.085	0.201	0.168	0.238	0.286	0.253	0.323
LTE B5	Ant.1	Left Cheek	0.207	0.447	0.229	0.350	0.654	0.436	0.557
	Ant.1	Left Tilt	0.134	0.333	0.221	0.299	0.467	0.355	0.433
	Ant.1	Right Cheek	0.293	0.248	0.284	0.258	0.541	0.577	0.551
	Ant.1	Right Tilt	0.170	0.201	0.168	0.238	0.371	0.338	0.408
LTE B7	Ant.3	Left Cheek	0.533	0.447	0.229	0.350	0.980	0.762	0.883
	Ant.3	Left Tilt	0.786	0.333	0.221	0.299	1.119	1.007	1.085
	Ant.3	Right Cheek	0.633	0.248	0.284	0.258	0.881	0.917	0.891
	Ant.3	Right Tilt	0.841	0.201	0.168	0.238	1.042	1.009	1.079
LTE B7	Ant.4	Left Cheek	0.223	0.447	0.229	0.350	0.670	0.452	0.573
	Ant.4	Left Tilt	0.226	0.333	0.221	0.299	0.559	0.447	0.525
	Ant.4	Right Cheek	0.311	0.248	0.284	0.258	0.559	0.595	0.569
	Ant.4	Right Tilt	0.206	0.201	0.168	0.238	0.407	0.374	0.444
LTE B12	Ant.0	Left Cheek	0.714	0.447	0.229	0.350	1.161	0.943	1.064
	Ant.0	Left Tilt	0.102	0.333	0.221	0.299	0.435	0.323	0.401
	Ant.0	Right Cheek	0.358	0.248	0.284	0.258	0.606	0.642	0.616
	Ant.0	Right Tilt	0.074	0.201	0.168	0.238	0.275	0.242	0.312
LTE B12	Ant.1	Left Cheek	0.181	0.447	0.229	0.350	0.628	0.410	0.531
	Ant.1	Left Tilt	0.118	0.333	0.221	0.299	0.451	0.339	0.417
	Ant.1	Right Cheek	0.241	0.248	0.284	0.258	0.489	0.525	0.499
	Ant.1	Right Tilt	0.129	0.201	0.168	0.238	0.330	0.297	0.367
LTE B13	Ant.0	Left Cheek	0.404	0.447	0.229	0.350	0.851	0.633	0.754
	Ant.0	Left Tilt	0.057	0.333	0.221	0.299	0.390	0.278	0.356

	Ant.0	Right Cheek	0.178	0.248	0.284	0.258	0.426	0.462	0.436
	Ant.0	Right Tilt	0.011	0.201	0.168	0.238	0.212	0.179	0.249
LTE B13	Ant.1	Left Cheek	0.129	0.447	0.229	0.350	0.576	0.358	0.479
	Ant.1	Left Tilt	0.083	0.333	0.221	0.299	0.416	0.304	0.382
	Ant.1	Right Cheek	0.179	0.248	0.284	0.258	0.427	0.463	0.437
	Ant.1	Right Tilt	0.094	0.201	0.168	0.238	0.295	0.262	0.332
LTE B25	Ant.3	Left Cheek	0.346	0.447	0.229	0.350	0.793	0.575	0.696
	Ant.3	Left Tilt	0.415	0.333	0.221	0.299	0.748	0.636	0.714
	Ant.3	Right Cheek	0.567	0.248	0.284	0.258	0.815	0.851	0.825
	Ant.3	Right Tilt	0.616	0.201	0.168	0.238	0.817	0.784	0.854
LTE B25	Ant.4	Left Cheek	0.111	0.447	0.229	0.350	0.558	0.340	0.461
	Ant.4	Left Tilt	0.094	0.333	0.221	0.299	0.427	0.315	0.393
	Ant.4	Right Cheek	0.121	0.248	0.284	0.258	0.369	0.405	0.379
	Ant.4	Right Tilt	0.113	0.201	0.168	0.238	0.314	0.281	0.351
LTE B26	Ant.0	Left Cheek	0.622	0.447	0.229	0.350	1.069	0.851	0.972
	Ant.0	Left Tilt	0.082	0.333	0.221	0.299	0.415	0.303	0.381
	Ant.0	Right Cheek	0.278	0.248	0.284	0.258	0.526	0.562	0.536
	Ant.0	Right Tilt	0.060	0.201	0.168	0.238	0.261	0.228	0.298
LTE B26	Ant.1	Left Cheek	0.136	0.447	0.229	0.350	0.583	0.365	0.486
	Ant.1	Left Tilt	0.087	0.333	0.221	0.299	0.420	0.308	0.386
	Ant.1	Right Cheek	0.194	0.248	0.284	0.258	0.442	0.478	0.452
	Ant.1	Right Tilt	0.110	0.201	0.168	0.238	0.311	0.278	0.348
LTE B66	Ant.3	Left Cheek	0.529	0.447	0.229	0.350	0.976	0.758	0.879
	Ant.3	Left Tilt	0.644	0.333	0.221	0.299	0.977	0.865	0.943
	Ant.3	Right Cheek	0.714	0.248	0.284	0.258	0.962	0.998	0.972
	Ant.3	Right Tilt	0.852	0.201	0.168	0.238	1.053	1.020	1.090
LTE B66	Ant.4	Left Cheek	0.188	0.447	0.229	0.350	0.635	0.417	0.538
	Ant.4	Left Tilt	0.130	0.333	0.221	0.299	0.463	0.351	0.429
	Ant.4	Right Cheek	0.101	0.248	0.284	0.258	0.349	0.385	0.359
	Ant.4	Right Tilt	0.147	0.201	0.168	0.238	0.348	0.315	0.385
LTE B38	Ant.3	Left Cheek	0.550	0.447	0.229	0.350	0.997	0.779	0.900
	Ant.3	Left Tilt	0.660	0.333	0.221	0.299	0.993	0.881	0.959
	Ant.3	Right Cheek	0.997	0.248	0.284	0.258	1.245	1.281	1.255
	Ant.3	Right Tilt	1.004	0.201	0.168	0.238	1.205	1.172	1.242
LTE B38	Ant.4	Left Cheek	0.108	0.447	0.229	0.350	0.555	0.337	0.458
	Ant.4	Left Tilt	0.077	0.333	0.221	0.299	0.410	0.298	0.376
	Ant.4	Right Cheek	0.137	0.248	0.284	0.258	0.385	0.421	0.395
	Ant.4	Right Tilt	0.009	0.201	0.168	0.238	0.210	0.177	0.247
LTE B41	Ant.3	Left Cheek	0.447	0.447	0.229	0.350	0.894	0.676	0.797
	Ant.3	Left Tilt	0.556	0.333	0.221	0.299	0.889	0.777	0.855
	Ant.3	Right Cheek	0.583	0.248	0.284	0.258	0.831	0.867	0.841
	Ant.3	Right Tilt	0.684	0.201	0.168	0.238	0.885	0.852	0.922
LTE B41	Ant.4	Left Cheek	0.153	0.447	0.229	0.350	0.600	0.382	0.503
	Ant.4	Left Tilt	0.100	0.333	0.221	0.299	0.433	0.321	0.399
	Ant.4	Right Cheek	0.157	0.248	0.284	0.258	0.405	0.441	0.415

	Ant.4	Right Tilt	0.017	0.201	0.168	0.238	0.218	0.185	0.255
n5	Ant.0	Left Cheek	0.470	0.447	0.229	0.350	0.917	0.699	0.820
	Ant.0	Left Tilt	0.064	0.333	0.221	0.299	0.397	0.285	0.363
	Ant.0	Right Cheek	0.209	0.248	0.284	0.258	0.457	0.493	0.467
	Ant.0	Right Tilt	0.047	0.201	0.168	0.238	0.248	0.215	0.285
n5	Ant.1	Left Cheek	0.020	0.447	0.229	0.350	0.467	0.249	0.370
	Ant.1	Left Tilt	0.012	0.333	0.221	0.299	0.345	0.233	0.311
	Ant.1	Right Cheek	0.019	0.248	0.284	0.258	0.267	0.303	0.277
	Ant.1	Right Tilt	0.008	0.201	0.168	0.238	0.209	0.176	0.246
n7	Ant.3	Left Cheek	0.381	0.447	0.229	0.350	0.828	0.610	0.731
	Ant.3	Left Tilt	0.509	0.333	0.221	0.299	0.842	0.730	0.808
	Ant.3	Right Cheek	0.479	0.248	0.284	0.258	0.727	0.763	0.737
	Ant.3	Right Tilt	0.710	0.201	0.168	0.238	0.911	0.878	0.948
n7	Ant.4	Left Cheek	0.229	0.447	0.229	0.350	0.676	0.458	0.579
	Ant.4	Left Tilt	0.182	0.333	0.221	0.299	0.515	0.403	0.481
	Ant.4	Right Cheek	0.307	0.248	0.284	0.258	0.555	0.591	0.565
	Ant.4	Right Tilt	0.131	0.201	0.168	0.238	0.332	0.299	0.369
n12	Ant.0	Left Cheek	0.316	0.447	0.229	0.350	0.763	0.545	0.666
	Ant.0	Left Tilt	0.042	0.333	0.221	0.299	0.375	0.263	0.341
	Ant.0	Right Cheek	0.160	0.248	0.284	0.258	0.408	0.444	0.418
	Ant.0	Right Tilt	0.009	0.201	0.168	0.238	0.210	0.177	0.247
n12	Ant.1	Left Cheek	0.015	0.447	0.229	0.350	0.462	0.244	0.365
	Ant.1	Left Tilt	0.009	0.333	0.221	0.299	0.342	0.230	0.308
	Ant.1	Right Cheek	0.013	0.248	0.284	0.258	0.261	0.297	0.271
	Ant.1	Right Tilt	0.012	0.201	0.168	0.238	0.213	0.180	0.250
n13	Ant.0	Left Cheek	0.233	0.447	0.229	0.350	0.680	0.462	0.583
	Ant.0	Left Tilt	0.034	0.333	0.221	0.299	0.367	0.255	0.333
	Ant.0	Right Cheek	0.097	0.248	0.284	0.258	0.345	0.381	0.355
	Ant.0	Right Tilt	0.011	0.201	0.168	0.238	0.212	0.179	0.249
n13	Ant.1	Left Cheek	0.020	0.447	0.229	0.350	0.467	0.249	0.370
	Ant.1	Left Tilt	0.011	0.333	0.221	0.299	0.344	0.232	0.310
	Ant.1	Right Cheek	0.016	0.248	0.284	0.258	0.264	0.300	0.274
	Ant.1	Right Tilt	0.008	0.201	0.168	0.238	0.209	0.176	0.246
n26	Ant.0	Left Cheek	0.379	0.447	0.229	0.350	0.826	0.608	0.729
	Ant.0	Left Tilt	0.042	0.333	0.221	0.299	0.375	0.263	0.341
	Ant.0	Right Cheek	0.162	0.248	0.284	0.258	0.410	0.446	0.420
	Ant.0	Right Tilt	0.034	0.201	0.168	0.238	0.235	0.202	0.272
n26	Ant.1	Left Cheek	0.016	0.447	0.229	0.350	0.463	0.245	0.366
	Ant.1	Left Tilt	0.009	0.333	0.221	0.299	0.342	0.230	0.308
	Ant.1	Right Cheek	0.011	0.248	0.284	0.258	0.259	0.295	0.269
	Ant.1	Right Tilt	0.009	0.201	0.168	0.238	0.210	0.177	0.247
n38	Ant.3	Left Cheek	0.357	0.447	0.229	0.350	0.804	0.586	0.707
	Ant.3	Left Tilt	0.457	0.333	0.221	0.299	0.790	0.678	0.756
	Ant.3	Right Cheek	0.545	0.248	0.284	0.258	0.793	0.829	0.803
	Ant.3	Right Tilt	0.748	0.201	0.168	0.238	0.949	0.916	0.986

n38	Ant.4	Left Cheek	0.219	0.447	0.229	0.350	0.666	0.448	0.569
	Ant.4	Left Tilt	0.119	0.333	0.221	0.299	0.452	0.340	0.418
	Ant.4	Right Cheek	0.317	0.248	0.284	0.258	0.565	0.601	0.575
	Ant.4	Right Tilt	0.086	0.201	0.168	0.238	0.287	0.254	0.324
n41	Ant.3	Left Cheek	0.312	0.447	0.229	0.350	0.759	0.541	0.662
	Ant.3	Left Tilt	0.443	0.333	0.221	0.299	0.776	0.664	0.742
	Ant.3	Right Cheek	0.409	0.248	0.284	0.258	0.657	0.693	0.667
	Ant.3	Right Tilt	0.525	0.201	0.168	0.238	0.726	0.693	0.763
n41	Ant.4	Left Cheek	0.180	0.447	0.229	0.350	0.627	0.409	0.530
	Ant.4	Left Tilt	0.132	0.333	0.221	0.299	0.465	0.353	0.431
	Ant.4	Right Cheek	0.291	0.248	0.284	0.258	0.539	0.575	0.549
	Ant.4	Right Tilt	0.085	0.201	0.168	0.238	0.286	0.253	0.323
n66	Ant.3	Left Cheek	0.475	0.447	0.229	0.350	0.922	0.704	0.825
	Ant.3	Left Tilt	0.545	0.333	0.221	0.299	0.878	0.766	0.844
	Ant.3	Right Cheek	0.664	0.248	0.284	0.258	0.912	0.948	0.922
	Ant.3	Right Tilt	0.778	0.201	0.168	0.238	0.979	0.946	1.016
n66	Ant.4	Left Cheek	0.097	0.447	0.229	0.350	0.544	0.326	0.447
	Ant.4	Left Tilt	0.104	0.333	0.221	0.299	0.437	0.325	0.403
	Ant.4	Right Cheek	0.169	0.248	0.284	0.258	0.417	0.453	0.427
	Ant.4	Right Tilt	0.125	0.201	0.168	0.238	0.326	0.293	0.363

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

12.2.2 Body-worn Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN 2.4G or 5G or Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR		
			1	2	3	4			
			WWAN	MAX 2.4G WIFI	MAX 5G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3)	Sum SAR (1+4)
GSM850	Ant.0	Front Side 15mm	0.150	0.130	0.279	0.049	0.280	0.429	0.199
	Ant.0	Back Side 15mm	0.191	0.142	0.214	0.037	0.333	0.405	0.228
GSM850	Ant.1	Front Side 15mm	0.286	0.130	0.279	0.049	0.416	0.565	0.335
	Ant.1	Back Side 15mm	0.303	0.142	0.214	0.037	0.445	0.517	0.340
GSM1900	Ant.3	Front Side 15mm	0.105	0.130	0.279	0.049	0.235	0.384	0.154
	Ant.3	Back Side 15mm	0.107	0.142	0.214	0.037	0.249	0.321	0.144
GSM1900	Ant.4	Front Side 15mm	0.116	0.130	0.279	0.049	0.246	0.395	0.165
	Ant.4	Back Side 15mm	0.162	0.142	0.214	0.037	0.304	0.376	0.199
WCDMA B2	Ant.3	Front Side 15mm	0.147	0.130	0.279	0.049	0.277	0.426	0.196
	Ant.3	Back Side 15mm	0.153	0.142	0.214	0.037	0.295	0.367	0.190
WCDMA B2	Ant.4	Front Side 15mm	0.195	0.130	0.279	0.049	0.325	0.474	0.244
	Ant.4	Back Side 15mm	0.228	0.142	0.214	0.037	0.370	0.442	0.265
WCDMA B4	Ant.3	Front Side 15mm	0.221	0.130	0.279	0.049	0.351	0.500	0.270
	Ant.3	Back Side 15mm	0.207	0.142	0.214	0.037	0.349	0.421	0.244
WCDMA B4	Ant.4	Front Side 15mm	0.305	0.130	0.279	0.049	0.435	0.584	0.354
	Ant.4	Back Side 15mm	0.335	0.142	0.214	0.037	0.477	0.549	0.372
WCDMA B5	Ant.0	Front Side 15mm	0.206	0.130	0.279	0.049	0.336	0.485	0.255
	Ant.0	Back Side 15mm	0.249	0.142	0.214	0.037	0.391	0.463	0.286
WCDMA B5	Ant.1	Front Side 15mm	0.297	0.130	0.279	0.049	0.427	0.576	0.346
	Ant.1	Back Side 15mm	0.351	0.142	0.214	0.037	0.493	0.565	0.388
LTE B2	Ant.3	Front Side 15mm	0.159	0.130	0.279	0.049	0.289	0.438	0.208
	Ant.3	Back Side 15mm	0.165	0.142	0.214	0.037	0.307	0.379	0.202
LTE B2	Ant.4	Front Side 15mm	0.190	0.130	0.279	0.049	0.320	0.469	0.239
	Ant.4	Back Side 15mm	0.218	0.142	0.214	0.037	0.360	0.432	0.255
LTE B4	Ant.3	Front Side 15mm	0.227	0.130	0.279	0.049	0.357	0.506	0.276
	Ant.3	Back Side 15mm	0.219	0.142	0.214	0.037	0.361	0.433	0.256
LTE B4	Ant.4	Front Side 15mm	0.288	0.130	0.279	0.049	0.418	0.567	0.337
	Ant.4	Back Side 15mm	0.314	0.142	0.214	0.037	0.456	0.528	0.351
LTE B5	Ant.0	Front Side 15mm	0.198	0.130	0.279	0.049	0.328	0.477	0.247
	Ant.0	Back Side 15mm	0.236	0.142	0.214	0.037	0.378	0.450	0.273
LTE B5	Ant.1	Front Side 15mm	0.247	0.130	0.279	0.049	0.377	0.526	0.296
	Ant.1	Back Side 15mm	0.274	0.142	0.214	0.037	0.416	0.488	0.311
LTE B7	Ant.3	Front Side 15mm	0.111	0.130	0.279	0.049	0.241	0.390	0.160
	Ant.3	Back Side 15mm	0.115	0.142	0.214	0.037	0.257	0.329	0.152
LTE B7	Ant.4	Front Side 15mm	0.144	0.130	0.279	0.049	0.274	0.423	0.193
	Ant.4	Back Side 15mm	0.138	0.142	0.214	0.037	0.280	0.352	0.175
LTE 12	Ant.0	Front Side 15mm	0.163	0.130	0.279	0.049	0.293	0.442	0.212
	Ant.0	Back Side 15mm	0.204	0.142	0.214	0.037	0.346	0.418	0.241
LTE 12	Ant.1	Front Side 15mm	0.304	0.130	0.279	0.049	0.434	0.583	0.353

	Ant.1	Back Side 15mm	0.324	0.142	0.214	0.037	0.466	0.538	0.361
LTE 13	Ant.0	Front Side 15mm	0.103	0.130	0.279	0.049	0.233	0.382	0.152
	Ant.0	Back Side 15mm	0.126	0.142	0.214	0.037	0.268	0.340	0.163
LTE 13	Ant.1	Front Side 15mm	0.215	0.130	0.279	0.049	0.345	0.494	0.264
	Ant.1	Back Side 15mm	0.235	0.142	0.214	0.037	0.377	0.449	0.272
LTE B25	Ant.3	Front Side 15mm	0.160	0.130	0.279	0.049	0.290	0.439	0.209
	Ant.3	Back Side 15mm	0.169	0.142	0.214	0.037	0.311	0.383	0.206
LTE B25	Ant.4	Front Side 15mm	0.179	0.130	0.279	0.049	0.309	0.458	0.228
	Ant.4	Back Side 15mm	0.206	0.142	0.214	0.037	0.348	0.420	0.243
LTE B26	Ant.0	Front Side 15mm	0.146	0.130	0.279	0.049	0.276	0.425	0.195
	Ant.0	Back Side 15mm	0.181	0.142	0.214	0.037	0.323	0.395	0.218
LTE B26	Ant.1	Front Side 15mm	0.207	0.130	0.279	0.049	0.337	0.486	0.256
	Ant.1	Back Side 15mm	0.233	0.142	0.214	0.037	0.375	0.447	0.270
LTE B66	Ant.3	Front Side 15mm	0.205	0.130	0.279	0.049	0.335	0.484	0.254
	Ant.3	Back Side 15mm	0.204	0.142	0.214	0.037	0.346	0.418	0.241
LTE B66	Ant.4	Front Side 15mm	0.286	0.130	0.279	0.049	0.416	0.565	0.335
	Ant.4	Back Side 15mm	0.314	0.142	0.214	0.037	0.456	0.528	0.351
LTE B38	Ant.3	Front Side 15mm	0.143	0.130	0.279	0.049	0.273	0.422	0.192
	Ant.3	Back Side 15mm	0.143	0.142	0.214	0.037	0.285	0.357	0.180
LTE B38	Ant.4	Front Side 15mm	0.196	0.130	0.279	0.049	0.326	0.475	0.245
	Ant.4	Back Side 15mm	0.170	0.142	0.214	0.037	0.312	0.384	0.207
LTE B41	Ant.3	Front Side 15mm	0.106	0.130	0.279	0.049	0.236	0.385	0.155
	Ant.3	Back Side 15mm	0.123	0.142	0.214	0.037	0.265	0.337	0.160
LTE B41	Ant.4	Front Side 15mm	0.177	0.130	0.279	0.049	0.307	0.456	0.226
	Ant.4	Back Side 15mm	0.154	0.142	0.214	0.037	0.296	0.368	0.191
N5	Ant.0	Front Side 15mm	0.129	0.130	0.279	0.049	0.259	0.408	0.178
	Ant.0	Back Side 15mm	0.156	0.142	0.214	0.037	0.298	0.370	0.193
N5	Ant.1	Front Side 15mm	0.024	0.130	0.279	0.049	0.154	0.303	0.073
	Ant.1	Back Side 15mm	0.025	0.142	0.214	0.037	0.167	0.239	0.062
N7	Ant.3	Front Side 15mm	0.096	0.130	0.279	0.049	0.226	0.375	0.145
	Ant.3	Back Side 15mm	0.110	0.142	0.214	0.037	0.252	0.324	0.147
N7	Ant.4	Front Side 15mm	0.083	0.130	0.279	0.049	0.213	0.362	0.132
	Ant.4	Back Side 15mm	0.132	0.142	0.214	0.037	0.274	0.346	0.169
N12	Ant.0	Front Side 15mm	0.087	0.130	0.279	0.049	0.217	0.366	0.136
	Ant.0	Back Side 15mm	0.110	0.142	0.214	0.037	0.252	0.324	0.147
N12	Ant.1	Front Side 15mm	0.011	0.130	0.279	0.049	0.141	0.290	0.060
	Ant.1	Back Side 15mm	0.013	0.142	0.214	0.037	0.155	0.227	0.050
N13	Ant.0	Front Side 15mm	0.083	0.130	0.279	0.049	0.213	0.362	0.132
	Ant.0	Back Side 15mm	0.131	0.142	0.214	0.037	0.273	0.345	0.168
N13	Ant.1	Front Side 15mm	0.018	0.130	0.279	0.049	0.148	0.297	0.067
	Ant.1	Back Side 15mm	0.020	0.142	0.214	0.037	0.162	0.234	0.057
N26	Ant.0	Front Side 15mm	0.099	0.130	0.279	0.049	0.229	0.378	0.148
	Ant.0	Back Side 15mm	0.143	0.142	0.214	0.037	0.285	0.357	0.180
N26	Ant.1	Front Side 15mm	0.012	0.130	0.279	0.049	0.142	0.291	0.061
	Ant.1	Back Side 15mm	0.071	0.142	0.214	0.037	0.213	0.285	0.108

N38	Ant.3	Front Side 15mm	0.201	0.130	0.279	0.049	0.331	0.480	0.250
	Ant.3	Back Side 15mm	0.239	0.142	0.214	0.037	0.381	0.453	0.276
N38	Ant.4	Front Side 15mm	0.188	0.130	0.279	0.049	0.318	0.467	0.237
	Ant.4	Back Side 15mm	0.384	0.142	0.214	0.037	0.526	**0.598**	0.421
N41	Ant.3	Front Side 15mm	0.130	0.130	0.279	0.049	0.260	0.409	0.179
	Ant.3	Back Side 15mm	0.137	0.142	0.214	0.037	0.279	0.351	0.174
N41	Ant.4	Front Side 15mm	0.080	0.130	0.279	0.049	0.210	0.359	0.129
	Ant.4	Back Side 15mm	0.142	0.142	0.214	0.037	0.284	0.356	0.179
N66	Ant.3	Front Side 15mm	0.214	0.130	0.279	0.049	0.344	0.493	0.263
	Ant.3	Back Side 15mm	0.251	0.142	0.214	0.037	0.393	0.465	0.288
N66	Ant.4	Front Side 15mm	0.224	0.130	0.279	0.049	0.354	0.503	0.273
	Ant.4	Back Side 15mm	0.208	0.142	0.214	0.037	0.350	0.422	0.245

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

12.2.3 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN 2.4G or 5G or Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR		
			1	2	3	4			
			WWAN	MAX 2.4G WIFI	MAX 5G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3)	Sum SAR (1+4)
GSM850	Ant.0	Front Side 10mm	0.219	0.246	0.504	0.149	0.465	0.723	0.368
	Ant.0	Back Side 10mm	0.273	0.244	0.249	0.156	0.517	0.522	0.429
	Ant.0	Right Edge 10mm	0.429	0.008	0.211	0.038	0.437	0.640	0.467
	Ant.0	Top Edge 10mm	0.007	0.264	0.427	0.188	0.271	0.434	0.195
GSM850	Ant.1	Front Side 10mm	0.417	0.246	0.504	0.149	0.663	0.921	0.566
	Ant.1	Back Side 10mm	0.426	0.244	0.249	0.156	0.670	0.675	0.582
	Ant.1	Left Edge 10mm	0.221	0.263	0.202	0.026	0.484	0.423	0.247
	Ant.1	Right Edge 10mm	0.101	0.008	0.211	0.038	0.109	0.312	0.139
	Ant.1	Bottom Edge 10mm	0.343	0.012	0.015	0.017	0.355	0.358	0.360
GSM1900	Ant.3	Front Side 10mm	0.286	0.246	0.504	0.149	0.532	0.790	0.435
	Ant.3	Back Side 10mm	0.276	0.244	0.249	0.156	0.520	0.525	0.432
	Ant.3	Right Edge 10mm	0.054	0.008	0.211	0.038	0.062	0.265	0.092
	Ant.3	Top Edge 10mm	0.412	0.264	0.427	0.188	0.676	0.839	0.600
GSM1900	Ant.4	Front Side 10mm	0.347	0.246	0.504	0.149	0.593	0.851	0.496
	Ant.4	Back Side 10mm	0.530	0.244	0.249	0.156	0.774	0.779	0.686
	Ant.4	Left Edge 10mm	0.170	0.263	0.202	0.026	0.433	0.372	0.196
	Ant.4	Bottom Edge 10mm	0.773	0.012	0.015	0.017	0.785	0.788	0.790
WCDMA B2	Ant.3	Front Side 10mm	0.299	0.246	0.504	0.149	0.545	0.803	0.448
	Ant.3	Back Side 10mm	0.274	0.244	0.249	0.156	0.518	0.523	0.430
	Ant.3	Right Edge 10mm	0.056	0.008	0.211	0.038	0.064	0.267	0.094
	Ant.3	Top Edge 10mm	0.531	0.264	0.427	0.188	0.795	0.958	0.719
WCDMA B2	Ant.4	Front Side 10mm	0.291	0.246	0.504	0.149	0.537	0.795	0.440
	Ant.4	Back Side 10mm	0.408	0.244	0.249	0.156	0.652	0.657	0.564
	Ant.4	Left Edge 10mm	0.251	0.263	0.202	0.026	0.514	0.453	0.277
	Ant.4	Bottom Edge 10mm	0.529	0.012	0.015	0.017	0.541	0.544	0.546
WCDMA B4	Ant.3	Front Side 10mm	0.407	0.246	0.504	0.149	0.653	0.911	0.556
	Ant.3	Back Side 10mm	0.406	0.244	0.249	0.156	0.650	0.655	0.562
	Ant.3	Right Edge 10mm	0.074	0.008	0.211	0.038	0.082	0.285	0.112
	Ant.3	Top Edge 10mm	0.580	0.264	0.427	0.188	0.844	1.007	0.768
WCDMA B4	Ant.4	Front Side 10mm	0.497	0.246	0.504	0.149	0.743	1.001	0.646
	Ant.4	Back Side 10mm	0.560	0.244	0.249	0.156	0.804	0.809	0.716
	Ant.4	Left Edge 10mm	0.295	0.263	0.202	0.026	0.558	0.497	0.321
	Ant.4	Bottom Edge 10mm	0.653	0.012	0.015	0.017	0.665	0.668	0.670
WCDMA B5	Ant.0	Front Side 10mm	0.338	0.246	0.504	0.149	0.584	0.842	0.487
	Ant.0	Back Side 10mm	0.423	0.244	0.249	0.156	0.667	0.672	0.579
	Ant.0	Right Edge 10mm	0.757	0.008	0.211	0.038	0.765	0.968	0.795
	Ant.0	Top Edge 10mm	0.008	0.264	0.427	0.188	0.272	0.435	0.196
WCDMA B5	Ant.1	Front Side 10mm	0.448	0.246	0.504	0.149	0.694	0.952	0.597
	Ant.1	Back Side 10mm	0.578	0.244	0.249	0.156	0.822	0.827	0.734

	Ant.1	Left Edge 10mm	0.264	0.263	0.202	0.026	0.527	0.466	0.290
	Ant.1	Right Edge 10mm	0.130	0.008	0.211	0.038	0.138	0.341	0.168
	Ant.1	Bottom Edge 10mm	0.353	0.012	0.015	0.017	0.365	0.368	0.370
LTE B2	Ant.3	Front Side 10mm	0.329	0.246	0.504	0.149	0.575	0.833	0.478
	Ant.3	Back Side 10mm	0.275	0.244	0.249	0.156	0.519	0.524	0.431
	Ant.3	Right Edge 10mm	0.055	0.008	0.211	0.038	0.063	0.266	0.093
	Ant.3	Top Edge 10mm	0.445	0.264	0.427	0.188	0.709	0.872	0.633
LTE B2	Ant.4	Front Side 10mm	0.261	0.246	0.504	0.149	0.507	0.765	0.410
	Ant.4	Back Side 10mm	0.360	0.244	0.249	0.156	0.604	0.609	0.516
	Ant.4	Left Edge 10mm	0.173	0.263	0.202	0.026	0.436	0.375	0.199
	Ant.4	Bottom Edge 10mm	0.455	0.012	0.015	0.017	0.467	0.470	0.472
LTE B4	Ant.3	Front Side 10mm	0.358	0.246	0.504	0.149	0.604	0.862	0.507
	Ant.3	Back Side 10mm	0.342	0.244	0.249	0.156	0.586	0.591	0.498
	Ant.3	Right Edge 10mm	0.048	0.008	0.211	0.038	0.056	0.259	0.086
	Ant.3	Top Edge 10mm	0.513	0.264	0.427	0.188	0.777	0.940	0.701
LTE B4	Ant.4	Front Side 10mm	0.459	0.246	0.504	0.149	0.705	0.963	0.608
	Ant.4	Back Side 10mm	0.508	0.244	0.249	0.156	0.752	0.757	0.664
	Ant.4	Left Edge 10mm	0.266	0.263	0.202	0.026	0.529	0.468	0.292
	Ant.4	Bottom Edge 10mm	0.682	0.012	0.015	0.017	0.694	0.697	0.699
LTE B5	Ant.0	Front Side 10mm	0.352	0.246	0.504	0.149	0.598	0.856	0.501
	Ant.0	Back Side 10mm	0.437	0.244	0.249	0.156	0.681	0.686	0.593
	Ant.0	Right Edge 10mm	0.760	0.008	0.211	0.038	0.768	0.971	0.798
	Ant.0	Top Edge 10mm	0.009	0.264	0.427	0.188	0.273	0.436	0.197
LTE B5	Ant.1	Front Side 10mm	0.419	0.246	0.504	0.149	0.665	0.923	0.568
	Ant.1	Back Side 10mm	0.544	0.244	0.249	0.156	0.788	0.793	0.700
	Ant.1	Left Edge 10mm	0.247	0.263	0.202	0.026	0.510	0.449	0.273
	Ant.1	Right Edge 10mm	0.122	0.008	0.211	0.038	0.130	0.333	0.160
	Ant.1	Bottom Edge 10mm	0.298	0.012	0.015	0.017	0.310	0.313	0.315
LTE B7	Ant.3	Front Side 10mm	0.158	0.246	0.504	0.149	0.404	0.662	0.307
	Ant.3	Back Side 10mm	0.158	0.244	0.249	0.156	0.402	0.407	0.314
	Ant.3	Right Edge 10mm	0.105	0.008	0.211	0.038	0.113	0.316	0.143
	Ant.3	Top Edge 10mm	0.449	0.264	0.427	0.188	0.713	0.876	0.637
LTE B7	Ant.4	Front Side 10mm	0.198	0.246	0.504	0.149	0.444	0.702	0.347
	Ant.4	Back Side 10mm	0.213	0.244	0.249	0.156	0.457	0.462	0.369
	Ant.4	Left Edge 10mm	0.084	0.263	0.202	0.026	0.347	0.286	0.110
	Ant.4	Bottom Edge 10mm	0.215	0.012	0.015	0.017	0.227	0.230	0.232
LTE B12	Ant.0	Front Side 10mm	0.285	0.246	0.504	0.149	0.531	0.789	0.434
	Ant.0	Back Side 10mm	0.368	0.244	0.249	0.156	0.612	0.617	0.524
	Ant.0	Right Edge 10mm	0.721	0.008	0.211	0.038	0.729	0.932	0.759
	Ant.0	Top Edge 10mm	0.014	0.264	0.427	0.188	0.278	0.441	0.202
LTE B12	Ant.1	Front Side 10mm	0.421	0.246	0.504	0.149	0.667	0.925	0.570
	Ant.1	Back Side 10mm	0.470	0.244	0.249	0.156	0.714	0.719	0.626
	Ant.1	Left Edge 10mm	0.270	0.263	0.202	0.026	0.533	0.472	0.296
	Ant.1	Right Edge 10mm	0.149	0.008	0.211	0.038	0.157	0.360	0.187
	Ant.1	Bottom Edge 10mm	0.276	0.012	0.015	0.017	0.288	0.291	0.293

LTE B13	Ant.0	Front Side 10mm	0.169	0.246	0.504	0.149	0.415	0.673	0.318
	Ant.0	Back Side 10mm	0.214	0.244	0.249	0.156	0.458	0.463	0.370
	Ant.0	Right Edge 10mm	0.413	0.008	0.211	0.038	0.421	0.624	0.451
	Ant.0	Top Edge 10mm	0.011	0.264	0.427	0.188	0.275	0.438	0.199
LTE B13	Ant.1	Front Side 10mm	0.301	0.246	0.504	0.149	0.547	0.805	0.450
	Ant.1	Back Side 10mm	0.347	0.244	0.249	0.156	0.591	0.596	0.503
	Ant.1	Left Edge 10mm	0.140	0.263	0.202	0.026	0.403	0.342	0.166
	Ant.1	Right Edge 10mm	0.078	0.008	0.211	0.038	0.086	0.289	0.116
	Ant.1	Bottom Edge 10mm	0.186	0.012	0.015	0.017	0.198	0.201	0.203
LTE B25	Ant.3	Front Side 10mm	0.271	0.246	0.504	0.149	0.517	0.775	0.420
	Ant.3	Back Side 10mm	0.218	0.244	0.249	0.156	0.462	0.467	0.374
	Ant.3	Right Edge 10mm	0.048	0.008	0.211	0.038	0.056	0.259	0.086
	Ant.3	Top Edge 10mm	0.460	0.264	0.427	0.188	0.724	0.887	0.648
LTE B25	Ant.4	Front Side 10mm	0.254	0.246	0.504	0.149	0.500	0.758	0.403
	Ant.4	Back Side 10mm	0.344	0.244	0.249	0.156	0.588	0.593	0.500
	Ant.4	Left Edge 10mm	0.163	0.263	0.202	0.026	0.426	0.365	0.189
	Ant.4	Bottom Edge 10mm	0.451	0.012	0.015	0.017	0.463	0.466	0.468
LTE B26	Ant.0	Front Side 10mm	0.274	0.246	0.504	0.149	0.520	0.778	0.423
	Ant.0	Back Side 10mm	0.337	0.244	0.249	0.156	0.581	0.586	0.493
	Ant.0	Right Edge 10mm	0.601	0.008	0.211	0.038	0.609	0.812	0.639
	Ant.0	Top Edge 10mm	0.014	0.264	0.427	0.188	0.278	0.441	0.202
LTE B26	Ant.1	Front Side 10mm	0.359	0.246	0.504	0.149	0.605	0.863	0.508
	Ant.1	Back Side 10mm	0.451	0.244	0.249	0.156	0.695	0.700	0.607
	Ant.1	Left Edge 10mm	0.215	0.263	0.202	0.026	0.478	0.417	0.241
	Ant.1	Right Edge 10mm	0.098	0.008	0.211	0.038	0.106	0.309	0.136
	Ant.1	Bottom Edge 10mm	0.266	0.012	0.015	0.017	0.278	0.281	0.283
LTE B66	Ant.3	Front Side 10mm	0.325	0.246	0.504	0.149	0.571	0.829	0.474
	Ant.3	Back Side 10mm	0.308	0.244	0.249	0.156	0.552	0.557	0.464
	Ant.3	Right Edge 10mm	0.060	0.008	0.211	0.038	0.068	0.271	0.098
	Ant.3	Top Edge 10mm	0.468	0.264	0.427	0.188	0.732	0.895	0.656
LTE B66	Ant.4	Front Side 10mm	0.320	0.246	0.504	0.149	0.566	0.824	0.469
	Ant.4	Back Side 10mm	0.358	0.244	0.249	0.156	0.602	0.607	0.514
	Ant.4	Left Edge 10mm	0.193	0.263	0.202	0.026	0.456	0.395	0.219
	Ant.4	Bottom Edge 10mm	0.552	0.012	0.015	0.017	0.564	0.567	0.569
LTE B38	Ant.3	Front Side 10mm	0.211	0.246	0.504	0.149	0.457	0.715	0.360
	Ant.3	Back Side 10mm	0.225	0.244	0.249	0.156	0.469	0.474	0.381
	Ant.3	Right Edge 10mm	0.183	0.008	0.211	0.038	0.191	0.394	0.221
	Ant.3	Top Edge 10mm	0.480	0.264	0.427	0.188	0.744	0.907	0.668
LTE B38	Ant.4	Front Side 10mm	0.373	0.246	0.504	0.149	0.619	0.877	0.522
	Ant.4	Back Side 10mm	0.370	0.244	0.249	0.156	0.614	0.619	0.526
	Ant.4	Left Edge 10mm	0.148	0.263	0.202	0.026	0.411	0.350	0.174
	Ant.4	Bottom Edge 10mm	0.371	0.012	0.015	0.017	0.383	0.386	0.388
LTE B41	Ant.3	Front Side 10mm	0.125	0.246	0.504	0.149	0.371	0.629	0.274
	Ant.3	Back Side 10mm	0.123	0.244	0.249	0.156	0.367	0.372	0.279
	Ant.3	Right Edge 10mm	0.100	0.008	0.211	0.038	0.108	0.311	0.138

	Ant.3	Top Edge 10mm	0.411	0.264	0.427	0.188	0.675	0.838	0.599
LTE B41	Ant.4	Front Side 10mm	0.259	0.246	0.504	0.149	0.505	0.763	0.408
	Ant.4	Back Side 10mm	0.226	0.244	0.249	0.156	0.470	0.475	0.382
	Ant.4	Left Edge 10mm	0.105	0.263	0.202	0.026	0.368	0.307	0.131
	Ant.4	Bottom Edge 10mm	0.252	0.012	0.015	0.017	0.264	0.267	0.269
N5	Ant.0	Front Side 10mm	0.179	0.246	0.504	0.149	0.425	0.683	0.328
	Ant.0	Back Side 10mm	0.213	0.244	0.249	0.156	0.457	0.462	0.369
	Ant.0	Right Edge 10mm	0.378	0.008	0.211	0.038	0.386	0.589	0.416
	Ant.0	Top Edge 10mm	0.009	0.264	0.427	0.188	0.273	0.436	0.197
N5	Ant.1	Front Side 10mm	0.072	0.246	0.504	0.149	0.318	0.576	0.221
	Ant.1	Back Side 10mm	0.092	0.244	0.249	0.156	0.336	0.341	0.248
	Ant.1	Left Edge 10mm	0.008	0.263	0.202	0.026	0.271	0.210	0.034
	Ant.1	Right Edge 10mm	0.008	0.008	0.211	0.038	0.016	0.219	0.046
	Ant.1	Bottom Edge 10mm	0.207	0.012	0.015	0.017	0.219	0.222	0.224
N7	Ant.4	Front Side 10mm	0.166	0.246	0.504	0.149	0.412	0.670	0.315
	Ant.4	Back Side 10mm	0.167	0.244	0.249	0.156	0.411	0.416	0.323
	Ant.4	Right Edge 10mm	0.115	0.008	0.211	0.038	0.123	0.326	0.153
	Ant.4	Top Edge 10mm	0.451	0.264	0.427	0.188	0.715	0.878	0.639
N7	Ant.4	Front Side 10mm	0.146	0.246	0.504	0.149	0.392	0.650	0.295
	Ant.4	Back Side 10mm	0.298	0.244	0.249	0.156	0.542	0.547	0.454
	Ant.4	Left Edge 10mm	0.071	0.263	0.202	0.026	0.334	0.273	0.097
	Ant.4	Bottom Edge 10mm	0.155	0.012	0.015	0.017	0.167	0.170	0.172
N12	Ant.0	Front Side 10mm	0.137	0.246	0.504	0.149	0.383	0.641	0.286
	Ant.0	Back Side 10mm	0.163	0.244	0.249	0.156	0.407	0.412	0.319
	Ant.0	Right Edge 10mm	0.312	0.008	0.211	0.038	0.320	0.523	0.350
	Ant.0	Top Edge 10mm	0.009	0.264	0.427	0.188	0.273	0.436	0.197
N12	Ant.1	Front Side 10mm	0.036	0.246	0.504	0.149	0.282	0.540	0.185
	Ant.1	Back Side 10mm	0.047	0.244	0.249	0.156	0.291	0.296	0.203
	Ant.1	Left Edge 10mm	0.011	0.263	0.202	0.026	0.274	0.213	0.037
	Ant.1	Right Edge 10mm	0.009	0.008	0.211	0.038	0.017	0.220	0.047
	Ant.1	Bottom Edge 10mm	0.132	0.012	0.015	0.017	0.144	0.147	0.149
N13	Ant.0	Front Side 10mm	0.160	0.246	0.504	0.149	0.406	0.664	0.309
	Ant.0	Back Side 10mm	0.186	0.244	0.249	0.156	0.430	0.435	0.342
	Ant.0	Right Edge 10mm	0.324	0.008	0.211	0.038	0.332	0.535	0.362
	Ant.0	Top Edge 10mm	0.024	0.264	0.427	0.188	0.288	0.451	0.212
N13	Ant.1	Front Side 10mm	0.020	0.246	0.504	0.149	0.266	0.524	0.169
	Ant.1	Back Side 10mm	0.099	0.244	0.249	0.156	0.343	0.348	0.255
	Ant.1	Left Edge 10mm	0.020	0.263	0.202	0.026	0.283	0.222	0.046
	Ant.1	Right Edge 10mm	0.018	0.008	0.211	0.038	0.026	0.229	0.056
	Ant.1	Bottom Edge 10mm	0.152	0.012	0.015	0.017	0.164	0.167	0.169
N26	Ant.0	Front Side 10mm	0.240	0.246	0.504	0.149	0.486	0.744	0.389
	Ant.0	Back Side 10mm	0.286	0.244	0.249	0.156	0.530	0.535	0.442
	Ant.0	Right Edge 10mm	0.467	0.008	0.211	0.038	0.475	0.678	0.505
	Ant.0	Top Edge 10mm	0.011	0.264	0.427	0.188	0.275	0.438	0.199
N26	Ant.1	Front Side 10mm	0.077	0.246	0.504	0.149	0.323	0.581	0.226

	Ant.1	Back Side 10mm	0.122	0.244	0.249	0.156	0.366	0.371	0.278
	Ant.1	Left Edge 10mm	0.016	0.263	0.202	0.026	0.279	0.218	0.042
	Ant.1	Right Edge 10mm	0.011	0.008	0.211	0.038	0.019	0.222	0.049
	Ant.1	Bottom Edge 10mm	0.198	0.012	0.015	0.017	0.210	0.213	0.215
N38	Ant.3	Front Side 10mm	0.317	0.246	0.504	0.149	0.563	0.821	0.466
	Ant.3	Back Side 10mm	0.334	0.244	0.249	0.156	0.578	0.583	0.490
	Ant.3	Right Edge 10mm	0.307	0.008	0.211	0.038	0.315	0.518	0.345
	Ant.3	Top Edge 10mm	0.882	0.264	0.427	0.188	1.146	**1.309**	1.070
N38	Ant.4	Front Side 10mm	0.295	0.246	0.504	0.149	0.541	0.799	0.444
	Ant.4	Back Side 10mm	0.677	0.244	0.249	0.156	0.921	0.926	0.833
	Ant.4	Left Edge 10mm	0.596	0.263	0.202	0.026	0.859	0.798	0.622
	Ant.4	Bottom Edge 10mm	0.387	0.012	0.015	0.017	0.399	0.402	0.404
N41	Ant.4	Front Side 10mm	0.241	0.246	0.504	0.149	0.487	0.745	0.390
	Ant.4	Back Side 10mm	0.249	0.244	0.249	0.156	0.493	0.498	0.405
	Ant.4	Right Edge 10mm	0.281	0.008	0.211	0.038	0.289	0.492	0.319
	Ant.4	Top Edge 10mm	0.536	0.264	0.427	0.188	0.800	0.963	0.724
N41	Ant.3	Front Side 10mm	0.150	0.246	0.504	0.149	0.396	0.654	0.299
	Ant.3	Back Side 10mm	0.266	0.244	0.249	0.156	0.510	0.515	0.422
	Ant.3	Left Edge 10mm	0.061	0.263	0.202	0.026	0.324	0.263	0.087
	Ant.3	Bottom Edge 10mm	0.180	0.012	0.015	0.017	0.192	0.195	0.197
N66	Ant.3	Front Side 10mm	0.391	0.246	0.504	0.149	0.637	0.895	0.540
	Ant.3	Back Side 10mm	0.348	0.244	0.249	0.156	0.592	0.597	0.504
	Ant.3	Right Edge 10mm	0.090	0.008	0.211	0.038	0.098	0.301	0.128
	Ant.3	Top Edge 10mm	0.592	0.264	0.427	0.188	0.856	1.019	0.780
N66	Ant.4	Front Side 10mm	0.328	0.246	0.504	0.149	0.574	0.832	0.477
	Ant.4	Back Side 10mm	0.337	0.244	0.249	0.156	0.581	0.586	0.493
	Ant.4	Left Edge 10mm	0.178	0.263	0.202	0.026	0.441	0.380	0.204
	Ant.4	Bottom Edge 10mm	0.591	0.012	0.015	0.017	0.603	0.606	0.608

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

12.2.4 Head Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN 2.4G or 5G or Bluetooth

EN-DC Configuratoin	LTE Ant.	NR Ant.	Position	Stand alone SAR						SUM SAR		
				/	/	1	2	3	4			
				LTE SAR (W/Kg)	NR SAR (W/Kg)	ENDC	MAX 2.4G WIFI	MAX 5G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3)	Sum SAR (1+4)
DC_7A_n5A	Ant.3	Ant.0	Left Cheek	0.245	0.244	0.489	0.447	0.229	0.350	0.936	0.718	0.839
			Left Tilt	0.334	0.012	0.346	0.333	0.221	0.299	0.679	0.567	0.645
			Right Cheek	0.304	0.116	0.420	0.248	0.284	0.258	0.668	0.704	0.678
			Right Tilt	0.431	0.009	0.440	0.201	0.168	0.238	0.641	0.608	0.678
DC_7A_n5A	Ant.3	Ant.1	Left Cheek	0.245	0.020	0.265	0.447	0.229	0.350	0.712	0.494	0.615
			Left Tilt	0.334	0.012	0.346	0.333	0.221	0.299	0.679	0.567	0.645
			Right Cheek	0.304	0.019	0.323	0.248	0.284	0.258	0.571	0.607	0.581
			Right Tilt	0.431	0.008	0.439	0.201	0.168	0.238	0.640	0.607	0.677
DC_7A_n5A	Ant.6	Ant.0	Left Cheek	0.292	0.244	0.536	0.447	0.229	0.350	0.983	0.765	0.886
			Left Tilt	0.154	0.012	0.166	0.333	0.221	0.299	0.499	0.387	0.465
			Right Cheek	0.089	0.116	0.205	0.248	0.284	0.258	0.453	0.489	0.463
			Right Tilt	0.064	0.009	0.073	0.201	0.168	0.238	0.274	0.241	0.311
DC_7A_n5A	Ant.6	Ant.1	Left Cheek	0.292	0.020	0.312	0.447	0.229	0.350	0.759	0.541	0.662
			Left Tilt	0.154	0.012	0.166	0.333	0.221	0.299	0.499	0.387	0.465
			Right Cheek	0.089	0.019	0.108	0.248	0.284	0.258	0.356	0.392	0.366
			Right Tilt	0.064	0.008	0.072	0.201	0.168	0.238	0.273	0.240	0.310
DC_5A_n7A	Ant.0	Ant.3	Left Cheek	0.323	0.257	0.580	0.447	0.229	0.350	**1.027**	0.809	0.930
			Left Tilt	0.043	0.349	0.392	0.333	0.221	0.299	0.725	0.613	0.691
			Right Cheek	0.151	0.316	0.467	0.248	0.284	0.258	0.715	0.751	0.725
			Right Tilt	0.019	0.384	0.403	0.201	0.168	0.238	0.604	0.571	0.641
DC_5A_n7A	Ant.0	Ant.6	Left Cheek	0.323	0.229	0.552	0.447	0.229	0.350	0.999	0.781	0.902
			Left Tilt	0.043	0.092	0.135	0.333	0.221	0.299	0.468	0.356	0.434
			Right Cheek	0.151	0.073	0.224	0.248	0.284	0.258	0.472	0.508	0.482
			Right Tilt	0.019	0.051	0.070	0.201	0.168	0.238	0.271	0.238	0.308
DC_5A_n7A	Ant.1	Ant.3	Left Cheek	0.035	0.257	0.292	0.447	0.229	0.350	0.739	0.521	0.642
			Left Tilt	0.019	0.349	0.368	0.333	0.221	0.299	0.701	0.589	0.667
			Right Cheek	0.016	0.316	0.332	0.248	0.284	0.258	0.580	0.616	0.590
			Right Tilt	0.015	0.384	0.399	0.201	0.168	0.238	0.600	0.567	0.637
DC_5A_n7A	Ant.1	Ant.6	Left Cheek	0.035	0.229	0.264	0.447	0.229	0.350	0.711	0.493	0.614
			Left Tilt	0.019	0.092	0.111	0.333	0.221	0.299	0.444	0.332	0.410
			Right Cheek	0.016	0.073	0.089	0.248	0.284	0.258	0.337	0.373	0.347
			Right Tilt	0.015	0.051	0.066	0.201	0.168	0.238	0.267	0.234	0.304
DC_66A_n7A	Ant.4	Ant.3	Left Cheek	0.079	0.257	0.336	0.447	0.229	0.350	0.783	0.565	0.686
			Left Tilt	0.090	0.349	0.439	0.333	0.221	0.299	0.772	0.660	0.738
			Right Cheek	0.103	0.316	0.419	0.248	0.284	0.258	0.667	0.703	0.677
			Right Tilt	0.074	0.384	0.458	0.201	0.168	0.238	0.659	0.626	0.696
DC_66A_n7A	Ant.4	Ant.6	Left Cheek	0.079	0.229	0.308	0.447	0.229	0.350	0.755	0.537	0.658
			Left Tilt	0.090	0.092	0.182	0.333	0.221	0.299	0.515	0.403	0.481

			Right Cheek	0.103	0.073	0.176	0.248	0.284	0.258	0.424	0.460	0.434
			Right Tilt	0.074	0.051	0.125	0.201	0.168	0.238	0.326	0.293	0.363
DC_66A_n7A	Ant.5	Ant.3	Left Cheek	0.122	0.257	0.379	0.447	0.229	0.350	0.826	0.608	0.729
			Left Tilt	0.057	0.349	0.406	0.333	0.221	0.299	0.739	0.627	0.705
			Right Cheek	0.307	0.316	0.623	0.248	0.284	0.258	0.871	0.907	0.881
			Right Tilt	0.125	0.384	0.509	0.201	0.168	0.238	0.710	0.677	0.747
DC_66A_n7A	Ant.5	Ant.6	Left Cheek	0.122	0.229	0.351	0.447	0.229	0.350	0.798	0.580	0.701
			Left Tilt	0.057	0.092	0.149	0.333	0.221	0.299	0.482	0.370	0.448
			Right Cheek	0.307	0.073	0.380	0.248	0.284	0.258	0.628	0.664	0.638
			Right Tilt	0.125	0.051	0.176	0.201	0.168	0.238	0.377	0.344	0.414
DC_25A_n41A	Ant.3	Ant.5	Left Cheek	0.198	0.102	0.300	0.447	0.229	0.350	0.747	0.529	0.650
			Left Tilt	0.237	0.064	0.301	0.333	0.221	0.299	0.634	0.522	0.600
			Right Cheek	0.325	0.409	0.734	0.248	0.284	0.258	0.982	1.018	0.992
			Right Tilt	0.352	0.193	0.545	0.201	0.168	0.238	0.746	0.713	0.783
DC_25A_n41A	Ant.4	Ant.5	Left Cheek	0.111	0.102	0.213	0.447	0.229	0.350	0.660	0.442	0.563
			Left Tilt	0.094	0.064	0.158	0.333	0.221	0.299	0.491	0.379	0.457
			Right Cheek	0.121	0.409	0.530	0.248	0.284	0.258	0.778	0.814	0.788
			Right Tilt	0.113	0.193	0.306	0.201	0.168	0.238	0.507	0.474	0.544
DC_26A_n41A	Ant.0	Ant.5	Left Cheek	0.477	0.102	0.579	0.447	0.229	0.350	1.026	0.808	0.929
			Left Tilt	0.063	0.064	0.127	0.333	0.221	0.299	0.460	0.348	0.426
			Right Cheek	0.213	0.409	0.622	0.248	0.284	0.258	0.870	0.906	0.880
			Right Tilt	0.046	0.193	0.239	0.201	0.168	0.238	0.440	0.407	0.477
DC_26A_n41A	Ant.1	Ant.5	Left Cheek	0.136	0.102	0.238	0.447	0.229	0.350	0.685	0.467	0.588
			Left Tilt	0.087	0.064	0.151	0.333	0.221	0.299	0.484	0.372	0.450
			Right Cheek	0.194	0.409	0.603	0.248	0.284	0.258	0.851	0.887	0.861
			Right Tilt	0.110	0.193	0.303	0.201	0.168	0.238	0.504	0.471	0.541
DC_7A_n66A	Ant.4	Ant.3	Left Cheek	0.167	0.273	0.440	0.447	0.229	0.350	0.887	0.669	0.790
			Left Tilt	0.110	0.310	0.420	0.333	0.221	0.299	0.753	0.641	0.719
			Right Cheek	0.245	0.372	0.617	0.248	0.284	0.258	0.865	0.901	0.875
			Right Tilt	0.069	0.405	0.474	0.201	0.168	0.238	0.675	0.642	0.712
DC_7A_n66A	Ant.4	Ant.6	Left Cheek	0.167	0.267	0.434	0.447	0.229	0.350	0.881	0.663	0.784
			Left Tilt	0.110	0.085	0.195	0.333	0.221	0.299	0.528	0.416	0.494
			Right Cheek	0.245	0.065	0.310	0.248	0.284	0.258	0.558	0.594	0.568
			Right Tilt	0.069	0.015	0.084	0.201	0.168	0.238	0.285	0.252	0.322
DC_7A_n66A	Ant.5	Ant.3	Left Cheek	0.071	0.273	0.344	0.447	0.229	0.350	0.791	0.573	0.694
			Left Tilt	0.044	0.310	0.354	0.333	0.221	0.299	0.687	0.575	0.653
			Right Cheek	0.293	0.372	0.665	0.248	0.284	0.258	0.913	0.949	0.923
			Right Tilt	0.131	0.405	0.536	0.201	0.168	0.238	0.737	0.704	0.774
DC_7A_n66A	Ant.5	Ant.6	Left Cheek	0.071	0.267	0.338	0.447	0.229	0.350	0.785	0.567	0.688
			Left Tilt	0.044	0.085	0.129	0.333	0.221	0.299	0.462	0.350	0.428
			Right Cheek	0.293	0.065	0.358	0.248	0.284	0.258	0.606	0.642	0.616
			Right Tilt	0.131	0.015	0.146	0.201	0.168	0.238	0.347	0.314	0.384

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

12.2.5 Body-worn Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN 2.4G or 5G or Bluetooth

EN-DC Configuratoin	LTE Ant.	NR Ant.	Position	Stand alone SAR						SUM SAR		
				/	/	1	2	3	4			
				LTE SAR (W/Kg)	NR SAR (W/Kg)	ENDC	MAX 2.4G WIFI	MAX 5G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3)	Sum SAR (1+4)
DC_7A_n5A	Ant.3	Ant.0	Front Side 15mm	0.045	0.129	0.174	0.130	0.279	0.049	0.304	0.453	0.223
			Back Side 15mm	0.051	0.156	0.207	0.142	0.214	0.037	0.349	0.421	0.244
DC_7A_n5A	Ant.3	Ant.1	Front Side 15mm	0.045	0.004	0.049	0.130	0.279	0.049	0.179	0.328	0.098
			Back Side 15mm	0.051	0.006	0.057	0.142	0.214	0.037	0.199	0.271	0.094
DC_7A_n5A	Ant.6	Ant.0	Front Side 15mm	0.024	0.129	0.153	0.130	0.279	0.049	0.283	0.432	0.202
			Back Side 15mm	0.030	0.156	0.186	0.142	0.214	0.037	0.328	0.400	0.223
DC_7A_n5A	Ant.6	Ant.1	Front Side 15mm	0.024	0.004	0.028	0.130	0.279	0.049	0.158	0.307	0.077
			Back Side 15mm	0.030	0.006	0.036	0.142	0.214	0.037	0.178	0.250	0.073
DC_5A_n7A	Ant.0	Ant.3	Front Side 15mm	0.148	0.105	0.253	0.130	0.279	0.049	0.383	0.532	0.302
			Back Side 15mm	0.174	0.119	0.293	0.142	0.214	0.037	0.435	0.507	0.330
DC_5A_n7A	Ant.0	Ant.6	Front Side 15mm	0.148	0.010	0.158	0.130	0.279	0.049	0.288	0.437	0.207
			Back Side 15mm	0.174	0.050	0.224	0.142	0.214	0.037	0.366	0.438	0.261
DC_5A_n7A	Ant.1	Ant.3	Front Side 15mm	0.019	0.105	0.124	0.130	0.279	0.049	0.254	0.403	0.173
			Back Side 15mm	0.022	0.119	0.141	0.142	0.214	0.037	0.283	0.355	0.178
DC_5A_n7A	Ant.1	Ant.6	Front Side 15mm	0.019	0.010	0.029	0.130	0.279	0.049	0.159	0.308	0.078
			Back Side 15mm	0.022	0.050	0.072	0.142	0.214	0.037	0.214	0.286	0.109
DC_66A_n7A	Ant.4	Ant.3	Front Side 15mm	0.163	0.105	0.268	0.130	0.279	0.049	0.398	0.547	0.317
			Back Side 15mm	0.228	0.119	0.347	0.142	0.214	0.037	0.489	0.561	0.384
DC_66A_n7A	Ant.4	Ant.6	Front Side 15mm	0.163	0.010	0.173	0.130	0.279	0.049	0.303	0.452	0.222
			Back Side 15mm	0.228	0.050	0.278	0.142	0.214	0.037	0.420	0.492	0.315
DC_66A_n7A	Ant.5	Ant.3	Front Side 15mm	0.134	0.105	0.239	0.130	0.279	0.049	0.369	0.518	0.288
			Back Side 15mm	0.183	0.119	0.302	0.142	0.214	0.037	0.444	0.516	0.339
DC_66A_n7A	Ant.5	Ant.6	Front Side 15mm	0.134	0.010	0.144	0.130	0.279	0.049	0.274	0.423	0.193
			Back Side 15mm	0.183	0.050	0.233	0.142	0.214	0.037	0.375	0.447	0.270
DC_25A_n41A	Ant.3	Ant.5	Front Side 15mm	0.122	0.081	0.203	0.130	0.279	0.049	0.333	0.482	0.252
			Back Side 15mm	0.128	0.098	0.226	0.142	0.214	0.037	0.368	0.440	0.263
DC_25A_n41A	Ant.4	Ant.5	Front Side 15mm	0.166	0.081	0.247	0.130	0.279	0.049	0.377	0.526	0.296
			Back Side 15mm	0.198	0.098	0.296	0.142	0.214	0.037	0.438	0.510	0.333
DC_26A_n41A	Ant.0	Ant.5	Front Side 15mm	0.093	0.081	0.174	0.130	0.279	0.049	0.304	0.453	0.223
			Back Side 15mm	0.116	0.098	0.214	0.142	0.214	0.037	0.356	0.428	0.251
DC_26A_n41A	Ant.1	Ant.5	Front Side 15mm	0.207	0.081	0.288	0.130	0.279	0.049	0.418	**0.567**	0.337
			Back Side 15mm	0.233	0.098	0.331	0.142	0.214	0.037	0.473	0.545	0.368
DC_7A_n66A	Ant.4	Ant.3	Front Side 15mm	0.023	0.093	0.116	0.130	0.279	0.049	0.246	0.395	0.165
			Back Side 15mm	0.060	0.100	0.160	0.142	0.214	0.037	0.302	0.374	0.197
DC_7A_n66A	Ant.4	Ant.6	Front Side 15mm	0.023	0.050	0.073	0.130	0.279	0.049	0.203	0.352	0.122

			Back Side 15mm	0.060	0.060	0.120	0.142	0.214	0.037	0.262	0.334	0.157
DC_7A_n66A	Ant.5	Ant.3	Front Side 15mm	0.038	0.093	0.131	0.130	0.279	0.049	0.261	0.410	0.180
			Back Side 15mm	0.049	0.100	0.149	0.142	0.214	0.037	0.291	0.363	0.186
DC_7A_n66A	Ant.5	Ant.6	Front Side 15mm	0.038	0.050	0.088	0.130	0.279	0.049	0.218	0.367	0.137
			Back Side 15mm	0.049	0.060	0.109	0.142	0.214	0.037	0.251	0.323	0.146

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

12.2.6 Hotspot Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN 2.4G or 5G or Bluetooth

EN-DC Configuratoin	LTE Ant.	NR Ant.	Position	Stand alone SAR						SUM SAR		
				/	/	1	2	3	4			
				LTE SAR (W/Kg)	NR SAR (W/Kg)	ENDC	MAX 2.4G WIFI	MAX 5G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3)	Sum SAR (1+4)
DC_7A_n5A	Ant.3	Ant.0	Front Side 10mm	0.130	0.179	0.309	0.246	0.504	0.149	0.555	0.813	0.458
			Back Side 10mm	0.130	0.213	0.343	0.244	0.249	0.156	0.587	0.592	0.499
			Left Edge 10mm	0.000	0.000	0.000	0.263	0.202	0.026	0.263	0.202	0.026
			Right Edge 10mm	0.087	0.378	0.465	0.008	0.211	0.038	0.473	0.676	0.503
			Top Edge 10mm	0.355	0.009	0.364	0.264	0.427	0.188	0.628	0.791	0.552
			Bottom Edge 10mm	0.000	0.000	0.000	0.012	0.015	0.017	0.012	0.015	0.017
DC_7A_n5A	Ant.3	Ant.1	Front Side 10mm	0.130	0.047	0.177	0.246	0.504	0.149	0.423	0.681	0.326
			Back Side 10mm	0.130	0.078	0.208	0.244	0.249	0.156	0.452	0.457	0.364
			Left Edge 10mm	0.000	0.088	0.088	0.263	0.202	0.026	0.351	0.290	0.114
			Right Edge 10mm	0.087	0.010	0.097	0.008	0.211	0.038	0.105	0.308	0.135
			Top Edge 10mm	0.355	0.000	0.355	0.264	0.427	0.188	0.619	0.782	0.543
			Bottom Edge 10mm	0.000	0.127	0.127	0.012	0.015	0.017	0.139	0.142	0.144
DC_7A_n5A	Ant.6	Ant.0	Front Side 10mm	0.074	0.179	0.253	0.246	0.504	0.149	0.499	0.757	0.402
			Back Side 10mm	0.089	0.213	0.302	0.244	0.249	0.156	0.546	0.551	0.458
			Left Edge 10mm	0.166	0.000	0.166	0.263	0.202	0.026	0.429	0.368	0.192
			Right Edge 10mm	0.000	0.378	0.378	0.008	0.211	0.038	0.386	0.589	0.416
			Top Edge 10mm	0.032	0.009	0.041	0.264	0.427	0.188	0.305	0.468	0.229
			Bottom Edge 10mm	0.000	0.000	0.000	0.012	0.015	0.017	0.012	0.015	0.017
DC_7A_n5A	Ant.6	Ant.1	Front Side 10mm	0.074	0.047	0.121	0.246	0.504	0.149	0.367	0.625	0.270
			Back Side 10mm	0.089	0.078	0.167	0.244	0.249	0.156	0.411	0.416	0.323
			Left Edge 10mm	0.166	0.088	0.254	0.263	0.202	0.026	0.517	0.456	0.280
			Right Edge 10mm	0.000	0.010	0.010	0.008	0.211	0.038	0.018	0.221	0.048
			Top Edge 10mm	0.032	0.000	0.032	0.264	0.427	0.188	0.296	0.459	0.220
			Bottom Edge 10mm	0.000	0.127	0.127	0.012	0.015	0.017	0.139	0.142	0.144
DC_5A_n7A	Ant.0	Ant.3	Front Side 10mm	0.304	0.158	0.462	0.246	0.504	0.149	0.708	0.966	0.611
			Back Side 10mm	0.372	0.153	0.525	0.244	0.249	0.156	0.769	0.774	0.681
			Left Edge 10mm	0.000	0.000	0.000	0.263	0.202	0.026	0.263	0.202	0.026
			Right Edge 10mm	0.541	0.109	0.650	0.008	0.211	0.038	0.658	0.861	0.688
			Top Edge 10mm	0.009	0.365	0.374	0.264	0.427	0.188	0.638	0.801	0.562
			Bottom Edge 10mm	0.000	0.000	0.000	0.012	0.015	0.017	0.012	0.015	0.017
DC_5A_n7A	Ant.0	Ant.6	Front Side 10mm	0.304	0.063	0.367	0.246	0.504	0.149	0.613	0.871	0.516
			Back Side 10mm	0.372	0.076	0.448	0.244	0.249	0.156	0.692	0.697	0.604
			Left Edge 10mm	0.000	0.176	0.176	0.263	0.202	0.026	0.439	0.378	0.202
			Right Edge 10mm	0.541	0.000	0.541	0.008	0.211	0.038	0.549	0.752	0.579
			Top Edge 10mm	0.009	0.010	0.019	0.264	0.427	0.188	0.283	0.446	0.207
			Bottom Edge 10mm	0.000	0.000	0.000	0.012	0.015	0.017	0.012	0.015	0.017
DC_5A_n7A	Ant.1	Ant.3	Front Side 10mm	0.049	0.158	0.207	0.246	0.504	0.149	0.453	0.711	0.356
			Back Side 10mm	0.079	0.153	0.232	0.244	0.249	0.156	0.476	0.481	0.388

			Left Edge 10mm	0.013	0.000	0.013	0.263	0.202	0.026	0.276	0.215	0.039
			Right Edge 10mm	0.012	0.109	0.121	0.008	0.211	0.038	0.129	0.332	0.159
			Top Edge 10mm	0.000	0.365	0.365	0.264	0.427	0.188	0.629	0.792	0.553
			Bottom Edge 10mm	0.148	0.000	0.148	0.012	0.015	0.017	0.160	0.163	0.165
DC_5A_n7A	Ant.1	Ant.6	Front Side 10mm	0.049	0.063	0.112	0.246	0.504	0.149	0.358	0.616	0.261
			Back Side 10mm	0.079	0.076	0.155	0.244	0.249	0.156	0.399	0.404	0.311
			Left Edge 10mm	0.013	0.176	0.189	0.263	0.202	0.026	0.452	0.391	0.215
			Right Edge 10mm	0.012	0.000	0.012	0.008	0.211	0.038	0.020	0.223	0.050
			Top Edge 10mm	0.000	0.010	0.010	0.264	0.427	0.188	0.274	0.437	0.198
			Bottom Edge 10mm	0.148	0.000	0.148	0.012	0.015	0.017	0.160	0.163	0.165
DC_66A_n7A	Ant.4	Ant.3	Front Side 10mm	0.233	0.158	0.391	0.246	0.504	0.149	0.637	0.895	0.540
			Back Side 10mm	0.268	0.153	0.421	0.244	0.249	0.156	0.665	0.670	0.577
			Left Edge 10mm	0.128	0.000	0.128	0.263	0.202	0.026	0.391	0.330	0.154
			Right Edge 10mm	0.000	0.109	0.109	0.008	0.211	0.038	0.117	0.320	0.147
			Top Edge 10mm	0.460	0.365	0.825	0.264	0.427	0.188	1.089	**1.252**	1.013
			Bottom Edge 10mm	0.000	0.000	0.000	0.012	0.015	0.017	0.012	0.015	0.017
DC_66A_n7A	Ant.4	Ant.6	Front Side 10mm	0.233	0.063	0.296	0.246	0.504	0.149	0.542	0.800	0.445
			Back Side 10mm	0.268	0.076	0.344	0.244	0.249	0.156	0.588	0.593	0.500
			Left Edge 10mm	0.128	0.176	0.304	0.263	0.202	0.026	0.567	0.506	0.330
			Right Edge 10mm	0.000	0.000	0.000	0.008	0.211	0.038	0.008	0.211	0.038
			Top Edge 10mm	0.460	0.010	0.470	0.264	0.427	0.188	0.734	0.897	0.658
			Bottom Edge 10mm	0.000	0.000	0.000	0.012	0.015	0.017	0.012	0.015	0.017
DC_66A_n7A	Ant.5	Ant.3	Front Side 10mm	0.195	0.158	0.353	0.246	0.504	0.149	0.599	0.857	0.502
			Back Side 10mm	0.281	0.153	0.434	0.244	0.249	0.156	0.678	0.683	0.590
			Left Edge 10mm	0.000	0.000	0.000	0.263	0.202	0.026	0.263	0.202	0.026
			Right Edge 10mm	0.358	0.109	0.467	0.008	0.211	0.038	0.475	0.678	0.505
			Top Edge 10mm	0.012	0.365	0.377	0.264	0.427	0.188	0.641	0.804	0.565
			Bottom Edge 10mm	0.000	0.000	0.000	0.012	0.015	0.017	0.012	0.015	0.017
DC_66A_n7A	Ant.5	Ant.6	Front Side 10mm	0.195	0.063	0.258	0.246	0.504	0.149	0.504	0.762	0.407
			Back Side 10mm	0.281	0.076	0.357	0.244	0.249	0.156	0.601	0.606	0.513
			Left Edge 10mm	0.000	0.176	0.176	0.263	0.202	0.026	0.439	0.378	0.202
			Right Edge 10mm	0.358	0.000	0.358	0.008	0.211	0.038	0.366	0.569	0.396
			Top Edge 10mm	0.012	0.010	0.022	0.264	0.427	0.188	0.286	0.449	0.210
			Bottom Edge 10mm	0.000	0.000	0.000	0.012	0.015	0.017	0.012	0.015	0.017
DC_25A_n41A	Ant.3	Ant.5	Front Side 10mm	0.256	0.129	0.385	0.246	0.504	0.149	0.631	0.889	0.534
			Back Side 10mm	0.207	0.169	0.376	0.244	0.249	0.156	0.620	0.625	0.532
			Left Edge 10mm	0.000	0.000	0.000	0.263	0.202	0.026	0.263	0.202	0.026
			Right Edge 10mm	0.044	0.412	0.456	0.008	0.211	0.038	0.464	0.667	0.494
			Top Edge 10mm	0.386	0.012	0.398	0.264	0.427	0.188	0.662	0.825	0.586
			Bottom Edge 10mm	0.000	0.000	0.000	0.012	0.015	0.017	0.012	0.015	0.017
DC_25A_n41A	Ant.4	Ant.5	Front Side 10mm	0.278	0.129	0.407	0.246	0.504	0.149	0.653	0.911	0.556
			Back Side 10mm	0.378	0.169	0.547	0.244	0.249	0.156	0.791	0.796	0.703
			Left Edge 10mm	0.179	0.000	0.179	0.263	0.202	0.026	0.442	0.381	0.205
			Right Edge 10mm	0.000	0.412	0.412	0.008	0.211	0.038	0.420	0.623	0.450
			Top Edge 10mm	0.000	0.012	0.012	0.264	0.427	0.188	0.276	0.439	0.200

			Bottom Edge 10mm	0.452	0.000	0.452	0.012	0.015	0.017	0.464	0.467	0.469
DC_26A_n41A	Ant.0	Ant.5	Front Side 10mm	0.164	0.129	0.293	0.246	0.504	0.149	0.539	0.797	0.442
			Back Side 10mm	0.202	0.169	0.371	0.244	0.249	0.156	0.615	0.620	0.527
			Left Edge 10mm	0.000	0.000	0.000	0.263	0.202	0.026	0.263	0.202	0.026
			Right Edge 10mm	0.360	0.412	0.772	0.008	0.211	0.038	0.780	0.983	0.810
			Top Edge 10mm	0.008	0.012	0.020	0.264	0.427	0.188	0.284	0.447	0.208
			Bottom Edge 10mm	0.000	0.000	0.000	0.012	0.015	0.017	0.012	0.015	0.017
DC_26A_n41A	Ant.1	Ant.5	Front Side 10mm	0.359	0.129	0.488	0.246	0.504	0.149	0.734	0.992	0.637
			Back Side 10mm	0.451	0.169	0.620	0.244	0.249	0.156	0.864	0.869	0.776
			Left Edge 10mm	0.215	0.000	0.215	0.263	0.202	0.026	0.478	0.417	0.241
			Right Edge 10mm	0.098	0.412	0.510	0.008	0.211	0.038	0.518	0.721	0.548
			Top Edge 10mm	0.000	0.012	0.012	0.264	0.427	0.188	0.276	0.439	0.200
			Bottom Edge 10mm	0.266	0.000	0.266	0.012	0.015	0.017	0.278	0.281	0.283
DC_7A_n66A	Ant.4	Ant.3	Front Side 10mm	0.072	0.168	0.240	0.246	0.504	0.149	0.486	0.744	0.389
			Back Side 10mm	0.174	0.150	0.324	0.244	0.249	0.156	0.568	0.573	0.480
			Left Edge 10mm	0.017	0.000	0.017	0.263	0.202	0.026	0.280	0.219	0.043
			Right Edge 10mm	0.000	0.013	0.013	0.008	0.211	0.038	0.021	0.224	0.051
			Top Edge 10mm	0.000	0.252	0.252	0.264	0.427	0.188	0.516	0.679	0.440
			Bottom Edge 10mm	0.088	0.000	0.088	0.012	0.015	0.017	0.100	0.103	0.105
DC_7A_n66A	Ant.4	Ant.6	Front Side 10mm	0.072	0.083	0.155	0.246	0.504	0.149	0.401	0.659	0.304
			Back Side 10mm	0.174	0.087	0.261	0.244	0.249	0.156	0.505	0.510	0.417
			Left Edge 10mm	0.017	0.216	0.233	0.263	0.202	0.026	0.496	0.435	0.259
			Right Edge 10mm	0.000	0.000	0.000	0.008	0.211	0.038	0.008	0.211	0.038
			Top Edge 10mm	0.000	0.072	0.072	0.264	0.427	0.188	0.336	0.499	0.260
			Bottom Edge 10mm	0.088	0.000	0.088	0.012	0.015	0.017	0.100	0.103	0.105
DC_7A_n66A	Ant.5	Ant.3	Front Side 10mm	0.116	0.168	0.284	0.246	0.504	0.149	0.530	0.788	0.433
			Back Side 10mm	0.157	0.150	0.307	0.244	0.249	0.156	0.551	0.556	0.463
			Left Edge 10mm	0.000	0.000	0.000	0.263	0.202	0.026	0.263	0.202	0.026
			Right Edge 10mm	0.305	0.013	0.318	0.008	0.211	0.038	0.326	0.529	0.356
			Top Edge 10mm	0.009	0.252	0.261	0.264	0.427	0.188	0.525	0.688	0.449
			Bottom Edge 10mm	0.000	0.000	0.000	0.012	0.015	0.017	0.012	0.015	0.017
DC_7A_n66A	Ant.5	Ant.6	Front Side 10mm	0.116	0.083	0.199	0.246	0.504	0.149	0.445	0.703	0.348
			Back Side 10mm	0.157	0.087	0.244	0.244	0.249	0.156	0.488	0.493	0.400
			Left Edge 10mm	0.000	0.216	0.216	0.263	0.202	0.026	0.479	0.418	0.242
			Right Edge 10mm	0.305	0.000	0.305	0.008	0.211	0.038	0.313	0.516	0.343
			Top Edge 10mm	0.009	0.072	0.081	0.264	0.427	0.188	0.345	0.508	0.269
			Bottom Edge 10mm	0.000	0.000	0.000	0.012	0.015	0.017	0.012	0.015	0.017

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

12.2.7 Specific Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN 2.4G or 5G or Bluetooth

Band	Antenna	Position	Stand alone SAR		SUM SAR
			1	2	
			WWAN	MAX 5G WIFI	Sum SAR (1+2)
WCDMA B4	Ant.3	Top Edge 0mm	1.317	1.362	**2.679**
LTE B4	Ant.3	Top Edge 0mm	1.309	1.362	2.671
LTE B7	Ant.3	Top Edge 0mm	0.833	1.362	2.195
N7	Ant.3	Top Edge 0mm	0.563	1.362	1.925
N38	Ant.3	Top Edge 0mm	0.910	1.362	2.272
N41	Ant.3	Top Edge 0mm	0.613	1.362	1.975
N66	Ant.3	Top Edge 0mm	1.301	1.362	2.663

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 10g SAR is 2.679 W/Kg < 3.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.8 Head Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN 2.4G and BT or WLAN 5G and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4G WIFI (Ant.6)	MAX 5G WIFI	Bluetooth	Sum SAR (1+2+3)	Sum SAR (1+3+4)
GSM850	Ant.0	Left Cheek	0.478	0.111	0.110	0.180	0.769	0.768
	Ant.0	Left Tilt	0.059	0.036	0.100	0.159	0.254	0.318
	Ant.0	Right Cheek	0.221	0.003	0.284	0.133	0.357	0.638
	Ant.0	Right Tilt	0.041	0.007	0.168	0.124	0.172	0.333
GSM850	Ant.1	Left Cheek	0.153	0.111	0.110	0.180	0.444	0.443
	Ant.1	Left Tilt	0.107	0.036	0.100	0.159	0.302	0.366
	Ant.1	Right Cheek	0.230	0.003	0.284	0.133	0.366	0.647
	Ant.1	Right Tilt	0.126	0.007	0.168	0.124	0.257	0.418
GSM1900	Ant.3	Left Cheek	0.322	0.111	0.110	0.180	0.613	0.612
	Ant.3	Left Tilt	0.384	0.036	0.100	0.159	0.579	0.643
	Ant.3	Right Cheek	0.514	0.003	0.284	0.133	0.650	0.931
	Ant.3	Right Tilt	0.749	0.007	0.168	0.124	0.880	1.041
GSM1900	Ant.4	Left Cheek	0.090	0.111	0.110	0.180	0.381	0.380
	Ant.4	Left Tilt	0.075	0.036	0.100	0.159	0.270	0.334
	Ant.4	Right Cheek	0.109	0.003	0.284	0.133	0.245	0.526
	Ant.4	Right Tilt	0.089	0.007	0.168	0.124	0.220	0.381
WCDMA B2	Ant.3	Left Cheek	0.351	0.111	0.110	0.180	0.642	0.641
	Ant.3	Left Tilt	0.417	0.036	0.100	0.159	0.612	0.676
	Ant.3	Right Cheek	0.588	0.003	0.284	0.133	0.724	1.005
	Ant.3	Right Tilt	0.714	0.007	0.168	0.124	0.845	1.006
WCDMA B2	Ant.4	Left Cheek	0.158	0.111	0.110	0.180	0.449	0.448
	Ant.4	Left Tilt	0.120	0.036	0.100	0.159	0.315	0.379
	Ant.4	Right Cheek	0.150	0.003	0.284	0.133	0.286	0.567
	Ant.4	Right Tilt	0.179	0.007	0.168	0.124	0.310	0.471
WCDMA B4	Ant.3	Left Cheek	0.553	0.111	0.110	0.180	0.844	0.843
	Ant.3	Left Tilt	0.638	0.036	0.100	0.159	0.833	0.897
	Ant.3	Right Cheek	0.759	0.003	0.284	0.133	0.895	1.176
	Ant.3	Right Tilt	0.871	0.007	0.168	0.124	1.002	1.163
WCDMA B4	Ant.4	Left Cheek	0.219	0.111	0.110	0.180	0.510	0.509
	Ant.4	Left Tilt	0.172	0.036	0.100	0.159	0.367	0.431
	Ant.4	Right Cheek	0.114	0.003	0.284	0.133	0.250	0.531
	Ant.4	Right Tilt	0.166	0.007	0.168	0.124	0.297	0.458
WCDMA B5	Ant.0	Left Cheek	0.805	0.111	0.110	0.180	1.096	1.095
	Ant.0	Left Tilt	0.102	0.036	0.100	0.159	0.297	0.361
	Ant.0	Right Cheek	0.361	0.003	0.284	0.133	0.497	0.778
	Ant.0	Right Tilt	0.075	0.007	0.168	0.124	0.206	0.367
WCDMA B5	Ant.1	Left Cheek	0.190	0.111	0.110	0.180	0.481	0.480
	Ant.1	Left Tilt	0.137	0.036	0.100	0.159	0.332	0.396
	Ant.1	Right Cheek	0.281	0.003	0.284	0.133	0.417	0.698

	Ant.1	Right Tilt	0.155	0.007	0.168	0.124	0.286	0.447
LTE B2	Ant.3	Left Cheek	0.339	0.111	0.110	0.180	0.630	0.629
	Ant.3	Left Tilt	0.405	0.036	0.100	0.159	0.600	0.664
	Ant.3	Right Cheek	0.547	0.003	0.284	0.133	0.683	0.964
	Ant.3	Right Tilt	0.661	0.007	0.168	0.124	0.792	0.953
LTE B2	Ant.4	Left Cheek	0.107	0.111	0.110	0.180	0.398	0.397
	Ant.4	Left Tilt	0.100	0.036	0.100	0.159	0.295	0.359
	Ant.4	Right Cheek	0.122	0.003	0.284	0.133	0.258	0.539
	Ant.4	Right Tilt	0.131	0.007	0.168	0.124	0.262	0.423
LTE B4	Ant.3	Left Cheek	0.548	0.111	0.110	0.180	0.839	0.838
	Ant.3	Left Tilt	0.646	0.036	0.100	0.159	0.841	0.905
	Ant.3	Right Cheek	0.731	0.003	0.284	0.133	0.867	1.148
	Ant.3	Right Tilt	0.838	0.007	0.168	0.124	0.969	1.130
LTE B4	Ant.4	Left Cheek	0.230	0.111	0.110	0.180	0.521	0.520
	Ant.4	Left Tilt	0.168	0.036	0.100	0.159	0.363	0.427
	Ant.4	Right Cheek	0.116	0.003	0.284	0.133	0.252	0.533
	Ant.4	Right Tilt	0.171	0.007	0.168	0.124	0.302	0.463
LTE B5	Ant.0	Left Cheek	0.859	0.111	0.110	0.180	1.150	1.149
	Ant.0	Left Tilt	0.114	0.036	0.100	0.159	0.309	0.373
	Ant.0	Right Cheek	0.390	0.003	0.284	0.133	0.526	0.807
	Ant.0	Right Tilt	0.085	0.007	0.168	0.124	0.216	0.377
LTE B5	Ant.1	Left Cheek	0.207	0.111	0.110	0.180	0.498	0.497
	Ant.1	Left Tilt	0.134	0.036	0.100	0.159	0.329	0.393
	Ant.1	Right Cheek	0.293	0.003	0.284	0.133	0.429	0.710
	Ant.1	Right Tilt	0.170	0.007	0.168	0.124	0.301	0.462
LTE B7	Ant.3	Left Cheek	0.533	0.111	0.110	0.180	0.824	0.823
	Ant.3	Left Tilt	0.786	0.036	0.100	0.159	0.981	1.045
	Ant.3	Right Cheek	0.633	0.003	0.284	0.133	0.769	1.050
	Ant.3	Right Tilt	0.841	0.007	0.168	0.124	0.972	1.133
LTE B7	Ant.4	Left Cheek	0.223	0.111	0.110	0.180	0.514	0.513
	Ant.4	Left Tilt	0.226	0.036	0.100	0.159	0.421	0.485
	Ant.4	Right Cheek	0.311	0.003	0.284	0.133	0.447	0.728
	Ant.4	Right Tilt	0.206	0.007	0.168	0.124	0.337	0.498
LTE B12	Ant.0	Left Cheek	0.714	0.111	0.110	0.180	1.005	1.004
	Ant.0	Left Tilt	0.102	0.036	0.100	0.159	0.297	0.361
	Ant.0	Right Cheek	0.358	0.003	0.284	0.133	0.494	0.775
	Ant.0	Right Tilt	0.074	0.007	0.168	0.124	0.205	0.366
LTE B12	Ant.1	Left Cheek	0.181	0.111	0.110	0.180	0.472	0.471
	Ant.1	Left Tilt	0.118	0.036	0.100	0.159	0.313	0.377
	Ant.1	Right Cheek	0.241	0.003	0.284	0.133	0.377	0.658
	Ant.1	Right Tilt	0.129	0.007	0.168	0.124	0.260	0.421
LTE B13	Ant.0	Left Cheek	0.404	0.111	0.110	0.180	0.695	0.694
	Ant.0	Left Tilt	0.057	0.036	0.100	0.159	0.252	0.316
	Ant.0	Right Cheek	0.178	0.003	0.284	0.133	0.314	0.595
	Ant.0	Right Tilt	0.011	0.007	0.168	0.124	0.142	0.303

LTE B13	Ant.1	Left Cheek	0.129	0.111	0.110	0.180	0.420	0.419
	Ant.1	Left Tilt	0.083	0.036	0.100	0.159	0.278	0.342
	Ant.1	Right Cheek	0.179	0.003	0.284	0.133	0.315	0.596
	Ant.1	Right Tilt	0.094	0.007	0.168	0.124	0.225	0.386
LTE B25	Ant.3	Left Cheek	0.346	0.111	0.110	0.180	0.637	0.636
	Ant.3	Left Tilt	0.415	0.036	0.100	0.159	0.610	0.674
	Ant.3	Right Cheek	0.567	0.003	0.284	0.133	0.703	0.984
	Ant.3	Right Tilt	0.616	0.007	0.168	0.124	0.747	0.908
LTE B25	Ant.4	Left Cheek	0.111	0.111	0.110	0.180	0.402	0.401
	Ant.4	Left Tilt	0.094	0.036	0.100	0.159	0.289	0.353
	Ant.4	Right Cheek	0.121	0.003	0.284	0.133	0.257	0.538
	Ant.4	Right Tilt	0.113	0.007	0.168	0.124	0.244	0.405
LTE B26	Ant.0	Left Cheek	0.622	0.111	0.110	0.180	0.913	0.912
	Ant.0	Left Tilt	0.082	0.036	0.100	0.159	0.277	0.341
	Ant.0	Right Cheek	0.278	0.003	0.284	0.133	0.414	0.695
	Ant.0	Right Tilt	0.060	0.007	0.168	0.124	0.191	0.352
LTE B26	Ant.1	Left Cheek	0.136	0.111	0.110	0.180	0.427	0.426
	Ant.1	Left Tilt	0.087	0.036	0.100	0.159	0.282	0.346
	Ant.1	Right Cheek	0.194	0.003	0.284	0.133	0.330	0.611
	Ant.1	Right Tilt	0.110	0.007	0.168	0.124	0.241	0.402
LTE B66	Ant.3	Left Cheek	0.529	0.111	0.110	0.180	0.820	0.819
	Ant.3	Left Tilt	0.644	0.036	0.100	0.159	0.839	0.903
	Ant.3	Right Cheek	0.714	0.003	0.284	0.133	0.850	1.131
	Ant.3	Right Tilt	0.852	0.007	0.168	0.124	0.983	1.144
LTE B66	Ant.4	Left Cheek	0.188	0.111	0.110	0.180	0.479	0.478
	Ant.4	Left Tilt	0.130	0.036	0.100	0.159	0.325	0.389
	Ant.4	Right Cheek	0.101	0.003	0.284	0.133	0.237	0.518
	Ant.4	Right Tilt	0.147	0.007	0.168	0.124	0.278	0.439
LTE B38	Ant.3	Left Cheek	0.550	0.111	0.110	0.180	0.841	0.840
	Ant.3	Left Tilt	0.660	0.036	0.100	0.159	0.855	0.919
	Ant.3	Right Cheek	0.997	0.003	0.284	0.133	1.133	**1.414**
	Ant.3	Right Tilt	1.004	0.007	0.168	0.124	1.135	1.296
LTE B38	Ant.4	Left Cheek	0.108	0.111	0.110	0.180	0.399	0.398
	Ant.4	Left Tilt	0.077	0.036	0.100	0.159	0.272	0.336
	Ant.4	Right Cheek	0.137	0.003	0.284	0.133	0.273	0.554
	Ant.4	Right Tilt	0.009	0.007	0.168	0.124	0.140	0.301
LTE B41	Ant.3	Left Cheek	0.447	0.111	0.110	0.180	0.738	0.737
	Ant.3	Left Tilt	0.556	0.036	0.100	0.159	0.751	0.815
	Ant.3	Right Cheek	0.583	0.003	0.284	0.133	0.719	1.000
	Ant.3	Right Tilt	0.684	0.007	0.168	0.124	0.815	0.976
LTE B41	Ant.4	Left Cheek	0.153	0.111	0.110	0.180	0.444	0.443
	Ant.4	Left Tilt	0.100	0.036	0.100	0.159	0.295	0.359
	Ant.4	Right Cheek	0.157	0.003	0.284	0.133	0.293	0.574
	Ant.4	Right Tilt	0.017	0.007	0.168	0.124	0.148	0.309
n5	Ant.0	Left Cheek	0.470	0.111	0.110	0.180	0.761	0.760

	Ant.0	Left Tilt	0.064	0.036	0.100	0.159	0.259	0.323
	Ant.0	Right Cheek	0.209	0.003	0.284	0.133	0.345	0.626
	Ant.0	Right Tilt	0.047	0.007	0.168	0.124	0.178	0.339
n5	Ant.1	Left Cheek	0.020	0.111	0.110	0.180	0.311	0.310
	Ant.1	Left Tilt	0.012	0.036	0.100	0.159	0.207	0.271
	Ant.1	Right Cheek	0.019	0.003	0.284	0.133	0.155	0.436
	Ant.1	Right Tilt	0.008	0.007	0.168	0.124	0.139	0.300
n7	Ant.3	Left Cheek	0.381	0.111	0.110	0.180	0.672	0.671
	Ant.3	Left Tilt	0.509	0.036	0.100	0.159	0.704	0.768
	Ant.3	Right Cheek	0.479	0.003	0.284	0.133	0.615	0.896
	Ant.3	Right Tilt	0.710	0.007	0.168	0.124	0.841	1.002
n7	Ant.4	Left Cheek	0.229	0.111	0.110	0.180	0.520	0.519
	Ant.4	Left Tilt	0.182	0.036	0.100	0.159	0.377	0.441
	Ant.4	Right Cheek	0.307	0.003	0.284	0.133	0.443	0.724
	Ant.4	Right Tilt	0.131	0.007	0.168	0.124	0.262	0.423
n12	Ant.0	Left Cheek	0.316	0.111	0.110	0.180	0.607	0.606
	Ant.0	Left Tilt	0.042	0.036	0.100	0.159	0.237	0.301
	Ant.0	Right Cheek	0.160	0.003	0.284	0.133	0.296	0.577
	Ant.0	Right Tilt	0.009	0.007	0.168	0.124	0.140	0.301
n12	Ant.1	Left Cheek	0.015	0.111	0.110	0.180	0.306	0.305
	Ant.1	Left Tilt	0.009	0.036	0.100	0.159	0.204	0.268
	Ant.1	Right Cheek	0.013	0.003	0.284	0.133	0.149	0.430
	Ant.1	Right Tilt	0.012	0.007	0.168	0.124	0.143	0.304
n13	Ant.0	Left Cheek	0.233	0.111	0.110	0.180	0.524	0.523
	Ant.0	Left Tilt	0.034	0.036	0.100	0.159	0.229	0.293
	Ant.0	Right Cheek	0.097	0.003	0.284	0.133	0.233	0.514
	Ant.0	Right Tilt	0.011	0.007	0.168	0.124	0.142	0.303
n13	Ant.1	Left Cheek	0.020	0.111	0.110	0.180	0.311	0.310
	Ant.1	Left Tilt	0.011	0.036	0.100	0.159	0.206	0.270
	Ant.1	Right Cheek	0.016	0.003	0.284	0.133	0.152	0.433
	Ant.1	Right Tilt	0.008	0.007	0.168	0.124	0.139	0.300
n26	Ant.0	Left Cheek	0.379	0.111	0.110	0.180	0.670	0.669
	Ant.0	Left Tilt	0.042	0.036	0.100	0.159	0.237	0.301
	Ant.0	Right Cheek	0.162	0.003	0.284	0.133	0.298	0.579
	Ant.0	Right Tilt	0.034	0.007	0.168	0.124	0.165	0.326
n26	Ant.1	Left Cheek	0.016	0.111	0.110	0.180	0.307	0.306
	Ant.1	Left Tilt	0.009	0.036	0.100	0.159	0.204	0.268
	Ant.1	Right Cheek	0.011	0.003	0.284	0.133	0.147	0.428
	Ant.1	Right Tilt	0.009	0.007	0.168	0.124	0.140	0.301
n38	Ant.3	Left Cheek	0.357	0.111	0.110	0.180	0.648	0.647
	Ant.3	Left Tilt	0.457	0.036	0.100	0.159	0.652	0.716
	Ant.3	Right Cheek	0.545	0.003	0.284	0.133	0.681	0.962
	Ant.3	Right Tilt	0.748	0.007	0.168	0.124	0.879	1.040
n38	Ant.4	Left Cheek	0.219	0.111	0.110	0.180	0.510	0.509
	Ant.4	Left Tilt	0.119	0.036	0.100	0.159	0.314	0.378

	Ant.4	Right Cheek	0.317	0.003	0.284	0.133	0.453	0.734
	Ant.4	Right Tilt	0.086	0.007	0.168	0.124	0.217	0.378
n41	Ant.3	Left Cheek	0.312	0.111	0.110	0.180	0.603	0.602
	Ant.3	Left Tilt	0.443	0.036	0.100	0.159	0.638	0.702
	Ant.3	Right Cheek	0.409	0.003	0.284	0.133	0.545	0.826
	Ant.3	Right Tilt	0.525	0.007	0.168	0.124	0.656	0.817
n41	Ant.4	Left Cheek	0.180	0.111	0.110	0.180	0.471	0.470
	Ant.4	Left Tilt	0.132	0.036	0.100	0.159	0.327	0.391
	Ant.4	Right Cheek	0.291	0.003	0.284	0.133	0.427	0.708
	Ant.4	Right Tilt	0.085	0.007	0.168	0.124	0.216	0.377
n66	Ant.3	Left Cheek	0.475	0.111	0.110	0.180	0.766	0.765
	Ant.3	Left Tilt	0.545	0.036	0.100	0.159	0.740	0.804
	Ant.3	Right Cheek	0.664	0.003	0.284	0.133	0.800	1.081
	Ant.3	Right Tilt	0.778	0.007	0.168	0.124	0.909	1.070
n66	Ant.4	Left Cheek	0.097	0.111	0.110	0.180	0.388	0.387
	Ant.4	Left Tilt	0.104	0.036	0.100	0.159	0.299	0.363
	Ant.4	Right Cheek	0.169	0.003	0.284	0.133	0.305	0.586
	Ant.4	Right Tilt	0.125	0.007	0.168	0.124	0.256	0.417

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

12.2.9 Body-worn Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN 2.4G and BT or WLAN 5G and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4G WIFI (Ant.6)	MAX 5G WIFI	Bluetooth	Sum SAR (1+2+3)	Sum SAR (1+3+4)
GSM850	Ant.0	Front Side 15mm	0.150	0.006	0.279	0.049	0.206	0.478
	Ant.0	Back Side 15mm	0.191	0.003	0.214	0.037	0.231	0.442
GSM850	Ant.1	Front Side 15mm	0.286	0.006	0.279	0.049	0.342	0.614
	Ant.1	Back Side 15mm	0.303	0.003	0.214	0.037	0.343	0.554
GSM1900	Ant.3	Front Side 15mm	0.105	0.006	0.279	0.049	0.161	0.433
	Ant.3	Back Side 15mm	0.107	0.003	0.214	0.037	0.147	0.358
GSM1900	Ant.4	Front Side 15mm	0.116	0.006	0.279	0.049	0.172	0.444
	Ant.4	Back Side 15mm	0.162	0.003	0.214	0.037	0.202	0.413
WCDMA B2	Ant.3	Front Side 15mm	0.147	0.006	0.279	0.049	0.203	0.475
	Ant.3	Back Side 15mm	0.153	0.003	0.214	0.037	0.193	0.404
WCDMA B2	Ant.4	Front Side 15mm	0.195	0.006	0.279	0.049	0.251	0.523
	Ant.4	Back Side 15mm	0.228	0.003	0.214	0.037	0.268	0.479
WCDMA B4	Ant.3	Front Side 15mm	0.221	0.006	0.279	0.049	0.277	0.549
	Ant.3	Back Side 15mm	0.207	0.003	0.214	0.037	0.247	0.458
WCDMA B4	Ant.4	Front Side 15mm	0.305	0.006	0.279	0.049	0.361	0.633
	Ant.4	Back Side 15mm	0.335	0.003	0.214	0.037	0.375	0.586
WCDMA B5	Ant.0	Front Side 15mm	0.206	0.006	0.279	0.049	0.262	0.534
	Ant.0	Back Side 15mm	0.249	0.003	0.214	0.037	0.289	0.500
WCDMA B5	Ant.1	Front Side 15mm	0.297	0.006	0.279	0.049	0.353	0.625
	Ant.1	Back Side 15mm	0.351	0.003	0.214	0.037	0.391	0.602
LTE B2	Ant.3	Front Side 15mm	0.159	0.006	0.279	0.049	0.215	0.487
	Ant.3	Back Side 15mm	0.165	0.003	0.214	0.037	0.205	0.416
LTE B2	Ant.4	Front Side 15mm	0.190	0.006	0.279	0.049	0.246	0.518
	Ant.4	Back Side 15mm	0.218	0.003	0.214	0.037	0.258	0.469
LTE B4	Ant.3	Front Side 15mm	0.227	0.006	0.279	0.049	0.283	0.555
	Ant.3	Back Side 15mm	0.219	0.003	0.214	0.037	0.259	0.470
LTE B4	Ant.4	Front Side 15mm	0.288	0.006	0.279	0.049	0.344	0.616
	Ant.4	Back Side 15mm	0.314	0.003	0.214	0.037	0.354	0.565
LTE B5	Ant.0	Front Side 15mm	0.198	0.006	0.279	0.049	0.254	0.526
	Ant.0	Back Side 15mm	0.236	0.003	0.214	0.037	0.276	0.487
LTE B5	Ant.1	Front Side 15mm	0.247	0.006	0.279	0.049	0.303	0.575
	Ant.1	Back Side 15mm	0.274	0.003	0.214	0.037	0.314	0.525
LTE B7	Ant.3	Front Side 15mm	0.111	0.006	0.279	0.049	0.167	0.439
	Ant.3	Back Side 15mm	0.115	0.003	0.214	0.037	0.155	0.366
LTE B7	Ant.4	Front Side 15mm	0.144	0.006	0.279	0.049	0.200	0.472
	Ant.4	Back Side 15mm	0.138	0.003	0.214	0.037	0.178	0.389
LTE 12	Ant.0	Front Side 15mm	0.163	0.006	0.279	0.049	0.219	0.491
	Ant.0	Back Side 15mm	0.204	0.003	0.214	0.037	0.244	0.455
LTE 12	Ant.1	Front Side 15mm	0.304	0.006	0.279	0.049	0.360	0.632

	Ant.1	Back Side 15mm	0.324	0.003	0.214	0.037	0.364	0.575
LTE 13	Ant.0	Front Side 15mm	0.103	0.006	0.279	0.049	0.159	0.431
	Ant.0	Back Side 15mm	0.126	0.003	0.214	0.037	0.166	0.377
LTE 13	Ant.1	Front Side 15mm	0.215	0.006	0.279	0.049	0.271	0.543
	Ant.1	Back Side 15mm	0.235	0.003	0.214	0.037	0.275	0.486
LTE B25	Ant.3	Front Side 15mm	0.160	0.006	0.279	0.049	0.216	0.488
	Ant.3	Back Side 15mm	0.169	0.003	0.214	0.037	0.209	0.420
LTE B25	Ant.4	Front Side 15mm	0.179	0.006	0.279	0.049	0.235	0.507
	Ant.4	Back Side 15mm	0.206	0.003	0.214	0.037	0.246	0.457
LTE B26	Ant.0	Front Side 15mm	0.146	0.006	0.279	0.049	0.202	0.474
	Ant.0	Back Side 15mm	0.181	0.003	0.214	0.037	0.221	0.432
LTE B26	Ant.1	Front Side 15mm	0.207	0.006	0.279	0.049	0.263	0.535
	Ant.1	Back Side 15mm	0.233	0.003	0.214	0.037	0.273	0.484
LTE B66	Ant.3	Front Side 15mm	0.205	0.006	0.279	0.049	0.261	0.533
	Ant.3	Back Side 15mm	0.204	0.003	0.214	0.037	0.244	0.455
LTE B66	Ant.4	Front Side 15mm	0.286	0.006	0.279	0.049	0.342	0.614
	Ant.4	Back Side 15mm	0.314	0.003	0.214	0.037	0.354	0.565
LTE B38	Ant.3	Front Side 15mm	0.143	0.006	0.279	0.049	0.199	0.471
	Ant.3	Back Side 15mm	0.143	0.003	0.214	0.037	0.183	0.394
LTE B38	Ant.4	Front Side 15mm	0.196	0.006	0.279	0.049	0.252	0.524
	Ant.4	Back Side 15mm	0.170	0.003	0.214	0.037	0.210	0.421
LTE B41	Ant.3	Front Side 15mm	0.106	0.006	0.279	0.049	0.162	0.434
	Ant.3	Back Side 15mm	0.123	0.003	0.214	0.037	0.163	0.374
LTE B41	Ant.4	Front Side 15mm	0.177	0.006	0.279	0.049	0.233	0.505
	Ant.4	Back Side 15mm	0.154	0.003	0.214	0.037	0.194	0.405
N5	Ant.0	Front Side 15mm	0.129	0.006	0.279	0.049	0.185	0.457
	Ant.0	Back Side 15mm	0.156	0.003	0.214	0.037	0.196	0.407
N5	Ant.1	Front Side 15mm	0.024	0.006	0.279	0.049	0.080	0.352
	Ant.1	Back Side 15mm	0.025	0.003	0.214	0.037	0.065	0.276
N7	Ant.3	Front Side 15mm	0.096	0.006	0.279	0.049	0.152	0.424
	Ant.3	Back Side 15mm	0.110	0.003	0.214	0.037	0.150	0.361
N7	Ant.4	Front Side 15mm	0.083	0.006	0.279	0.049	0.139	0.411
	Ant.4	Back Side 15mm	0.132	0.003	0.214	0.037	0.172	0.383
N12	Ant.0	Front Side 15mm	0.087	0.006	0.279	0.049	0.143	0.415
	Ant.0	Back Side 15mm	0.110	0.003	0.214	0.037	0.150	0.361
N12	Ant.1	Front Side 15mm	0.011	0.006	0.279	0.049	0.067	0.339
	Ant.1	Back Side 15mm	0.013	0.003	0.214	0.037	0.053	0.264
N13	Ant.0	Front Side 15mm	0.083	0.006	0.279	0.049	0.139	0.411
	Ant.0	Back Side 15mm	0.131	0.003	0.214	0.037	0.171	0.382
N13	Ant.1	Front Side 15mm	0.018	0.006	0.279	0.049	0.074	0.346
	Ant.1	Back Side 15mm	0.020	0.003	0.214	0.037	0.060	0.271
N26	Ant.0	Front Side 15mm	0.099	0.006	0.279	0.049	0.155	0.427
	Ant.0	Back Side 15mm	0.143	0.003	0.214	0.037	0.183	0.394
N26	Ant.1	Front Side 15mm	0.012	0.006	0.279	0.049	0.068	0.340
	Ant.1	Back Side 15mm	0.071	0.003	0.214	0.037	0.111	0.322

N38	Ant.3	Front Side 15mm	0.201	0.006	0.279	0.049	0.256	0.529
	Ant.3	Back Side 15mm	0.239	0.003	0.214	0.037	0.279	0.490
N38	Ant.4	Front Side 15mm	0.188	0.006	0.279	0.049	0.243	0.516
	Ant.4	Back Side 15mm	0.384	0.003	0.214	0.037	0.424	**0.635**
N41	Ant.3	Front Side 15mm	0.130	0.006	0.279	0.049	0.186	0.458
	Ant.3	Back Side 15mm	0.137	0.003	0.214	0.037	0.177	0.388
N41	Ant.4	Front Side 15mm	0.080	0.006	0.279	0.049	0.136	0.408
	Ant.4	Back Side 15mm	0.142	0.003	0.214	0.037	0.182	0.393
N66	Ant.3	Front Side 15mm	0.214	0.006	0.279	0.049	0.270	0.542
	Ant.3	Back Side 15mm	0.251	0.003	0.214	0.037	0.291	0.502
N66	Ant.4	Front Side 15mm	0.224	0.006	0.279	0.049	0.280	0.552
	Ant.4	Back Side 15mm	0.208	0.003	0.214	0.037	0.248	0.459

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 0.635W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.10 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN 2.4G and BT or WLAN 5G and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4G WIFI (Ant.6)	MAX 5G WIFI	Bluetooth	Sum SAR (1+2+3)	Sum SAR (1+3+4)
GSM850	Ant.0	Front Side 10mm	0.219	0.098	0.504	0.149	0.466	0.872
	Ant.0	Back Side 10mm	0.273	0.103	0.249	0.156	0.532	0.678
	Ant.0	Right Edge 10mm	0.429	0.007	0.211	0.038	0.474	0.678
	Ant.0	Top Edge 10mm	0.007	0.009	0.427	0.188	0.204	0.622
GSM850	Ant.1	Front Side 10mm	0.417	0.098	0.504	0.149	0.664	1.070
	Ant.1	Back Side 10mm	0.426	0.103	0.249	0.156	0.685	0.831
	Ant.1	Left Edge 10mm	0.221	0.228	0.202	0.026	0.475	0.449
	Ant.1	Right Edge 10mm	0.101	0.007	0.211	0.038	0.146	0.350
	Ant.1	Bottom Edge 10mm	0.343	0.005	0.015	0.017	0.365	0.375
GSM1900	Ant.3	Front Side 10mm	0.286	0.098	0.504	0.149	0.533	0.939
	Ant.3	Back Side 10mm	0.276	0.103	0.249	0.156	0.535	0.681
	Ant.3	Right Edge 10mm	0.054	0.007	0.211	0.038	0.099	0.303
	Ant.3	Top Edge 10mm	0.412	0.009	0.427	0.188	0.609	1.027
GSM1900	Ant.4	Front Side 10mm	0.347	0.098	0.504	0.149	0.594	1.000
	Ant.4	Back Side 10mm	0.530	0.103	0.249	0.156	0.789	0.935
	Ant.4	Left Edge 10mm	0.170	0.228	0.202	0.026	0.424	0.398
	Ant.4	Bottom Edge 10mm	0.773	0.005	0.015	0.017	0.795	0.805
WCDMA B2	Ant.3	Front Side 10mm	0.299	0.098	0.504	0.149	0.546	0.952
	Ant.3	Back Side 10mm	0.274	0.103	0.249	0.156	0.533	0.679
	Ant.3	Right Edge 10mm	0.056	0.007	0.211	0.038	0.101	0.305
	Ant.3	Top Edge 10mm	0.531	0.009	0.427	0.188	0.728	1.146
WCDMA B2	Ant.4	Front Side 10mm	0.291	0.098	0.504	0.149	0.538	0.944
	Ant.4	Back Side 10mm	0.408	0.103	0.249	0.156	0.667	0.813
	Ant.4	Left Edge 10mm	0.251	0.228	0.202	0.026	0.505	0.479
	Ant.4	Bottom Edge 10mm	0.529	0.005	0.015	0.017	0.551	0.561
WCDMA B4	Ant.3	Front Side 10mm	0.407	0.098	0.504	0.149	0.654	1.060
	Ant.3	Back Side 10mm	0.406	0.103	0.249	0.156	0.665	0.811
	Ant.3	Right Edge 10mm	0.074	0.007	0.211	0.038	0.119	0.323
	Ant.3	Top Edge 10mm	0.580	0.009	0.427	0.188	0.777	1.195
WCDMA B4	Ant.4	Front Side 10mm	0.497	0.098	0.504	0.149	0.744	1.150
	Ant.4	Back Side 10mm	0.560	0.103	0.249	0.156	0.819	0.965
	Ant.4	Left Edge 10mm	0.295	0.228	0.202	0.026	0.549	0.523
	Ant.4	Bottom Edge 10mm	0.653	0.005	0.015	0.017	0.675	0.685
WCDMA B5	Ant.0	Front Side 10mm	0.338	0.098	0.504	0.149	0.585	0.991
	Ant.0	Back Side 10mm	0.423	0.103	0.249	0.156	0.682	0.828
	Ant.0	Right Edge 10mm	0.757	0.007	0.211	0.038	0.802	1.006
	Ant.0	Top Edge 10mm	0.008	0.009	0.427	0.188	0.205	0.623
WCDMA B5	Ant.1	Front Side 10mm	0.448	0.098	0.504	0.149	0.695	1.101
	Ant.1	Back Side 10mm	0.578	0.103	0.249	0.156	0.837	0.983

	Ant.1	Left Edge 10mm	0.264	0.228	0.202	0.026	0.518	0.492
	Ant.1	Right Edge 10mm	0.130	0.007	0.211	0.038	0.175	0.379
	Ant.1	Bottom Edge 10mm	0.353	0.005	0.015	0.017	0.375	0.385
LTE B2	Ant.3	Front Side 10mm	0.329	0.098	0.504	0.149	0.576	0.982
	Ant.3	Back Side 10mm	0.275	0.103	0.249	0.156	0.534	0.680
	Ant.3	Right Edge 10mm	0.055	0.007	0.211	0.038	0.100	0.304
	Ant.3	Top Edge 10mm	0.445	0.009	0.427	0.188	0.642	1.060
LTE B2	Ant.4	Front Side 10mm	0.261	0.098	0.504	0.149	0.508	0.914
	Ant.4	Back Side 10mm	0.360	0.103	0.249	0.156	0.619	0.765
	Ant.4	Left Edge 10mm	0.173	0.228	0.202	0.026	0.427	0.401
	Ant.4	Bottom Edge 10mm	0.455	0.005	0.015	0.017	0.477	0.487
LTE B4	Ant.3	Front Side 10mm	0.358	0.098	0.504	0.149	0.605	1.011
	Ant.3	Back Side 10mm	0.342	0.103	0.249	0.156	0.601	0.747
	Ant.3	Right Edge 10mm	0.048	0.007	0.211	0.038	0.093	0.297
	Ant.3	Top Edge 10mm	0.513	0.009	0.427	0.188	0.710	1.128
LTE B4	Ant.4	Front Side 10mm	0.459	0.098	0.504	0.149	0.706	1.112
	Ant.4	Back Side 10mm	0.508	0.103	0.249	0.156	0.767	0.913
	Ant.4	Left Edge 10mm	0.266	0.228	0.202	0.026	0.520	0.494
	Ant.4	Bottom Edge 10mm	0.682	0.005	0.015	0.017	0.704	0.714
LTE B5	Ant.0	Front Side 10mm	0.352	0.098	0.504	0.149	0.599	1.005
	Ant.0	Back Side 10mm	0.437	0.103	0.249	0.156	0.696	0.842
	Ant.0	Right Edge 10mm	0.760	0.007	0.211	0.038	0.805	1.009
	Ant.0	Top Edge 10mm	0.009	0.009	0.427	0.188	0.206	0.624
LTE B5	Ant.1	Front Side 10mm	0.419	0.098	0.504	0.149	0.666	1.072
	Ant.1	Back Side 10mm	0.544	0.103	0.249	0.156	0.803	0.949
	Ant.1	Left Edge 10mm	0.247	0.228	0.202	0.026	0.501	0.475
	Ant.1	Right Edge 10mm	0.122	0.007	0.211	0.038	0.167	0.371
	Ant.1	Bottom Edge 10mm	0.298	0.005	0.015	0.017	0.320	0.330
LTE B7	Ant.3	Front Side 10mm	0.158	0.098	0.504	0.149	0.405	0.811
	Ant.3	Back Side 10mm	0.158	0.103	0.249	0.156	0.417	0.563
	Ant.3	Right Edge 10mm	0.105	0.007	0.211	0.038	0.150	0.354
	Ant.3	Top Edge 10mm	0.449	0.009	0.427	0.188	0.646	1.064
LTE B7	Ant.4	Front Side 10mm	0.198	0.098	0.504	0.149	0.445	0.851
	Ant.4	Back Side 10mm	0.213	0.103	0.249	0.156	0.472	0.618
	Ant.4	Left Edge 10mm	0.084	0.228	0.202	0.026	0.338	0.312
	Ant.4	Bottom Edge 10mm	0.215	0.005	0.015	0.017	0.237	0.247
LTE B12	Ant.0	Front Side 10mm	0.285	0.098	0.504	0.149	0.532	0.938
	Ant.0	Back Side 10mm	0.368	0.103	0.249	0.156	0.627	0.773
	Ant.0	Right Edge 10mm	0.721	0.007	0.211	0.038	0.766	0.970
	Ant.0	Top Edge 10mm	0.014	0.009	0.427	0.188	0.211	0.629
LTE B12	Ant.1	Front Side 10mm	0.421	0.098	0.504	0.149	0.668	1.074
	Ant.1	Back Side 10mm	0.470	0.103	0.249	0.156	0.729	0.875
	Ant.1	Left Edge 10mm	0.270	0.228	0.202	0.026	0.524	0.498
	Ant.1	Right Edge 10mm	0.149	0.007	0.211	0.038	0.194	0.398
	Ant.1	Bottom Edge 10mm	0.276	0.005	0.015	0.017	0.298	0.308

LTE B13	Ant.0	Front Side 10mm	0.169	0.098	0.504	0.149	0.416	0.822
	Ant.0	Back Side 10mm	0.214	0.103	0.249	0.156	0.473	0.619
	Ant.0	Right Edge 10mm	0.413	0.007	0.211	0.038	0.458	0.662
	Ant.0	Top Edge 10mm	0.011	0.009	0.427	0.188	0.208	0.626
LTE B13	Ant.1	Front Side 10mm	0.301	0.098	0.504	0.149	0.548	0.954
	Ant.1	Back Side 10mm	0.347	0.103	0.249	0.156	0.606	0.752
	Ant.1	Left Edge 10mm	0.140	0.228	0.202	0.026	0.394	0.368
	Ant.1	Right Edge 10mm	0.078	0.007	0.211	0.038	0.123	0.327
	Ant.1	Bottom Edge 10mm	0.186	0.005	0.015	0.017	0.208	0.218
LTE B25	Ant.3	Front Side 10mm	0.271	0.098	0.504	0.149	0.518	0.924
	Ant.3	Back Side 10mm	0.218	0.103	0.249	0.156	0.477	0.623
	Ant.3	Right Edge 10mm	0.048	0.007	0.211	0.038	0.093	0.297
	Ant.3	Top Edge 10mm	0.460	0.009	0.427	0.188	0.657	1.075
LTE B25	Ant.4	Front Side 10mm	0.254	0.098	0.504	0.149	0.501	0.907
	Ant.4	Back Side 10mm	0.344	0.103	0.249	0.156	0.603	0.749
	Ant.4	Left Edge 10mm	0.163	0.228	0.202	0.026	0.417	0.391
	Ant.4	Bottom Edge 10mm	0.451	0.005	0.015	0.017	0.473	0.483
LTE B26	Ant.0	Front Side 10mm	0.274	0.098	0.504	0.149	0.521	0.927
	Ant.0	Back Side 10mm	0.337	0.103	0.249	0.156	0.596	0.742
	Ant.0	Right Edge 10mm	0.601	0.007	0.211	0.038	0.646	0.850
	Ant.0	Top Edge 10mm	0.014	0.009	0.427	0.188	0.211	0.629
LTE B26	Ant.1	Front Side 10mm	0.359	0.098	0.504	0.149	0.606	1.012
	Ant.1	Back Side 10mm	0.451	0.103	0.249	0.156	0.710	0.856
	Ant.1	Left Edge 10mm	0.215	0.228	0.202	0.026	0.469	0.443
	Ant.1	Right Edge 10mm	0.098	0.007	0.211	0.038	0.143	0.347
	Ant.1	Bottom Edge 10mm	0.266	0.005	0.015	0.017	0.288	0.298
LTE B66	Ant.3	Front Side 10mm	0.325	0.098	0.504	0.149	0.572	0.978
	Ant.3	Back Side 10mm	0.308	0.103	0.249	0.156	0.567	0.713
	Ant.3	Right Edge 10mm	0.060	0.007	0.211	0.038	0.105	0.309
	Ant.3	Top Edge 10mm	0.468	0.009	0.427	0.188	0.665	1.083
LTE B66	Ant.4	Front Side 10mm	0.320	0.098	0.504	0.149	0.567	0.973
	Ant.4	Back Side 10mm	0.358	0.103	0.249	0.156	0.617	0.763
	Ant.4	Left Edge 10mm	0.193	0.228	0.202	0.026	0.447	0.421
	Ant.4	Bottom Edge 10mm	0.552	0.005	0.015	0.017	0.574	0.584
LTE B38	Ant.3	Front Side 10mm	0.211	0.098	0.504	0.149	0.458	0.864
	Ant.3	Back Side 10mm	0.225	0.103	0.249	0.156	0.484	0.630
	Ant.3	Right Edge 10mm	0.183	0.007	0.211	0.038	0.228	0.432
	Ant.3	Top Edge 10mm	0.480	0.009	0.427	0.188	0.677	1.095
LTE B38	Ant.4	Front Side 10mm	0.373	0.098	0.504	0.149	0.620	1.026
	Ant.4	Back Side 10mm	0.370	0.103	0.249	0.156	0.629	0.775
	Ant.4	Left Edge 10mm	0.148	0.228	0.202	0.026	0.402	0.376
	Ant.4	Bottom Edge 10mm	0.371	0.005	0.015	0.017	0.393	0.403
LTE B41	Ant.3	Front Side 10mm	0.125	0.098	0.504	0.149	0.372	0.778
	Ant.3	Back Side 10mm	0.123	0.103	0.249	0.156	0.382	0.528
	Ant.3	Right Edge 10mm	0.100	0.007	0.211	0.038	0.145	0.349

	Ant.3	Top Edge 10mm	0.411	0.009	0.427	0.188	0.608	1.026
LTE B41	Ant.4	Front Side 10mm	0.259	0.098	0.504	0.149	0.506	0.912
	Ant.4	Back Side 10mm	0.226	0.103	0.249	0.156	0.485	0.631
	Ant.4	Left Edge 10mm	0.105	0.228	0.202	0.026	0.359	0.333
	Ant.4	Bottom Edge 10mm	0.252	0.005	0.015	0.017	0.274	0.284
N5	Ant.0	Front Side 10mm	0.179	0.098	0.504	0.149	0.426	0.832
	Ant.0	Back Side 10mm	0.213	0.103	0.249	0.156	0.472	0.618
	Ant.0	Right Edge 10mm	0.378	0.007	0.211	0.038	0.423	0.627
	Ant.0	Top Edge 10mm	0.009	0.009	0.427	0.188	0.206	0.624
N5	Ant.1	Front Side 10mm	0.072	0.098	0.504	0.149	0.319	0.725
	Ant.1	Back Side 10mm	0.092	0.103	0.249	0.156	0.351	0.497
	Ant.1	Left Edge 10mm	0.008	0.228	0.202	0.026	0.262	0.236
	Ant.1	Right Edge 10mm	0.008	0.007	0.211	0.038	0.053	0.257
	Ant.1	Bottom Edge 10mm	0.207	0.005	0.015	0.017	0.229	0.239
N7	Ant.4	Front Side 10mm	0.166	0.098	0.504	0.149	0.413	0.819
	Ant.4	Back Side 10mm	0.167	0.103	0.249	0.156	0.426	0.572
	Ant.4	Right Edge 10mm	0.115	0.007	0.211	0.038	0.160	0.364
	Ant.4	Top Edge 10mm	0.451	0.009	0.427	0.188	0.648	1.066
N7	Ant.4	Front Side 10mm	0.146	0.098	0.504	0.149	0.393	0.799
	Ant.4	Back Side 10mm	0.298	0.103	0.249	0.156	0.557	0.703
	Ant.4	Left Edge 10mm	0.071	0.228	0.202	0.026	0.325	0.299
	Ant.4	Bottom Edge 10mm	0.155	0.005	0.015	0.017	0.177	0.187
N12	Ant.0	Front Side 10mm	0.137	0.098	0.504	0.149	0.384	0.790
	Ant.0	Back Side 10mm	0.163	0.103	0.249	0.156	0.422	0.568
	Ant.0	Right Edge 10mm	0.312	0.007	0.211	0.038	0.357	0.561
	Ant.0	Top Edge 10mm	0.009	0.009	0.427	0.188	0.206	0.624
N12	Ant.1	Front Side 10mm	0.036	0.098	0.504	0.149	0.283	0.689
	Ant.1	Back Side 10mm	0.047	0.103	0.249	0.156	0.306	0.452
	Ant.1	Left Edge 10mm	0.011	0.228	0.202	0.026	0.265	0.239
	Ant.1	Right Edge 10mm	0.009	0.007	0.211	0.038	0.054	0.258
	Ant.1	Bottom Edge 10mm	0.132	0.005	0.015	0.017	0.154	0.164
N13	Ant.0	Front Side 10mm	0.160	0.098	0.504	0.149	0.407	0.813
	Ant.0	Back Side 10mm	0.186	0.103	0.249	0.156	0.445	0.591
	Ant.0	Right Edge 10mm	0.324	0.007	0.211	0.038	0.369	0.573
	Ant.0	Top Edge 10mm	0.024	0.009	0.427	0.188	0.221	0.639
N13	Ant.1	Front Side 10mm	0.020	0.098	0.504	0.149	0.267	0.673
	Ant.1	Back Side 10mm	0.099	0.103	0.249	0.156	0.358	0.504
	Ant.1	Left Edge 10mm	0.020	0.228	0.202	0.026	0.274	0.248
	Ant.1	Right Edge 10mm	0.018	0.007	0.211	0.038	0.063	0.267
	Ant.1	Bottom Edge 10mm	0.152	0.005	0.015	0.017	0.174	0.184
N26	Ant.0	Front Side 10mm	0.240	0.098	0.504	0.149	0.487	0.893
	Ant.0	Back Side 10mm	0.286	0.103	0.249	0.156	0.545	0.691
	Ant.0	Right Edge 10mm	0.467	0.007	0.211	0.038	0.512	0.716
	Ant.0	Top Edge 10mm	0.011	0.009	0.427	0.188	0.208	0.626
N26	Ant.1	Front Side 10mm	0.077	0.098	0.504	0.149	0.324	0.730

	Ant.1	Back Side 10mm	0.122	0.103	0.249	0.156	0.381	0.527
	Ant.1	Left Edge 10mm	0.016	0.228	0.202	0.026	0.270	0.244
	Ant.1	Bottom Edge 10mm	0.198	0.005	0.015	0.017	0.220	0.230
N38	Ant.3	Front Side 10mm	0.317	0.098	0.504	0.149	0.564	0.970
	Ant.3	Back Side 10mm	0.334	0.103	0.249	0.156	0.593	0.739
	Ant.3	Right Edge 10mm	0.307	0.007	0.211	0.038	0.352	0.556
	Ant.3	Top Edge 10mm	0.882	0.009	0.427	0.188	1.079	**1.497**
N38	Ant.4	Front Side 10mm	0.295	0.098	0.504	0.149	0.542	0.948
	Ant.4	Back Side 10mm	0.677	0.103	0.249	0.156	0.936	1.082
	Ant.4	Left Edge 10mm	0.596	0.228	0.202	0.026	0.850	0.824
	Ant.4	Bottom Edge 10mm	0.387	0.005	0.015	0.017	0.409	0.419
N41	Ant.3	Front Side 10mm	0.241	0.098	0.504	0.149	0.488	0.894
	Ant.3	Back Side 10mm	0.249	0.103	0.249	0.156	0.508	0.654
	Ant.3	Right Edge 10mm	0.281	0.007	0.211	0.038	0.326	0.530
	Ant.3	Top Edge 10mm	0.536	0.009	0.427	0.188	0.733	1.151
N41	Ant.4	Front Side 10mm	0.150	0.098	0.504	0.149	0.397	0.803
	Ant.4	Back Side 10mm	0.266	0.103	0.249	0.156	0.525	0.671
	Ant.4	Left Edge 10mm	0.061	0.228	0.202	0.026	0.315	0.289
	Ant.4	Bottom Edge 10mm	0.180	0.005	0.015	0.017	0.202	0.212
N66	Ant.3	Front Side 10mm	0.391	0.098	0.504	0.149	0.638	1.044
	Ant.3	Back Side 10mm	0.348	0.103	0.249	0.156	0.607	0.753
	Ant.3	Right Edge 10mm	0.090	0.007	0.211	0.038	0.135	0.339
	Ant.3	Top Edge 10mm	0.592	0.009	0.427	0.188	0.789	1.207
N66	Ant.4	Front Side 10mm	0.328	0.098	0.504	0.149	0.575	0.981
	Ant.4	Back Side 10mm	0.337	0.103	0.249	0.156	0.596	0.742
	Ant.4	Left Edge 10mm	0.178	0.228	0.202	0.026	0.432	0.406
	Ant.4	Bottom Edge 10mm	0.591	0.005	0.015	0.017	0.613	0.623

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

12.2.11 Head Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN 2.4G and BT or WLAN 5G and BT

EN-DC Configuratoin	LTE Ant.	NR Ant.	Position	Stand alone SAR						SUM SAR	
				/	/	1	2	3	4		
				LTE SAR (W/Kg)	NR SAR (W/Kg)	ENDC	2.4G WIFI (Ant.6)	MAX 5G WIFI	Bluetooth	Sum SAR (1+2+3)	Sum SAR (1+3+4)
DC_7A_n5A	Ant.3	Ant.0	Left Cheek	0.245	0.244	0.489	0.111	0.110	0.180	0.780	0.779
			Left Tilt	0.334	0.012	0.346	0.036	0.100	0.159	0.541	0.605
			Right Cheek	0.304	0.116	0.420	0.003	0.284	0.133	0.556	0.837
			Right Tilt	0.431	0.009	0.440	0.007	0.168	0.124	0.571	0.732
DC_7A_n5A	Ant.3	Ant.1	Left Cheek	0.245	0.020	0.265	0.111	0.110	0.180	0.556	0.555
			Left Tilt	0.334	0.012	0.346	0.036	0.100	0.159	0.541	0.605
			Right Cheek	0.304	0.019	0.323	0.003	0.284	0.133	0.459	0.740
			Right Tilt	0.431	0.008	0.439	0.007	0.168	0.124	0.570	0.731
DC_7A_n5A	Ant.6	Ant.0	Left Cheek	0.292	0.244	0.536	0.111	0.110	0.180	0.827	0.826
			Left Tilt	0.154	0.012	0.166	0.036	0.100	0.159	0.361	0.425
			Right Cheek	0.089	0.116	0.205	0.003	0.284	0.133	0.341	0.622
			Right Tilt	0.064	0.009	0.073	0.007	0.168	0.124	0.204	0.365
DC_7A_n5A	Ant.6	Ant.1	Left Cheek	0.292	0.020	0.312	0.111	0.110	0.180	0.603	0.602
			Left Tilt	0.154	0.012	0.166	0.036	0.100	0.159	0.361	0.425
			Right Cheek	0.089	0.019	0.108	0.003	0.284	0.133	0.244	0.525
			Right Tilt	0.064	0.008	0.072	0.007	0.168	0.124	0.203	0.364
DC_5A_n7A	Ant.0	Ant.3	Left Cheek	0.323	0.257	0.580	0.111	0.110	0.180	0.871	0.870
			Left Tilt	0.043	0.349	0.392	0.036	0.100	0.159	0.587	0.651
			Right Cheek	0.151	0.316	0.467	0.003	0.284	0.133	0.603	0.884
			Right Tilt	0.019	0.384	0.403	0.007	0.168	0.124	0.534	0.695
DC_5A_n7A	Ant.0	Ant.6	Left Cheek	0.323	0.229	0.552	0.111	0.110	0.180	0.843	0.842
			Left Tilt	0.043	0.092	0.135	0.036	0.100	0.159	0.330	0.394
			Right Cheek	0.151	0.073	0.224	0.003	0.284	0.133	0.360	0.641
			Right Tilt	0.019	0.051	0.070	0.007	0.168	0.124	0.201	0.362
DC_5A_n7A	Ant.1	Ant.3	Left Cheek	0.035	0.257	0.292	0.111	0.110	0.180	0.583	0.582
			Left Tilt	0.019	0.349	0.368	0.036	0.100	0.159	0.563	0.627
			Right Cheek	0.016	0.316	0.332	0.003	0.284	0.133	0.468	0.749
			Right Tilt	0.015	0.384	0.399	0.007	0.168	0.124	0.530	0.691
DC_5A_n7A	Ant.1	Ant.6	Left Cheek	0.035	0.229	0.264	0.111	0.110	0.180	0.555	0.554
			Left Tilt	0.019	0.092	0.111	0.036	0.100	0.159	0.306	0.370
			Right Cheek	0.016	0.073	0.089	0.003	0.284	0.133	0.225	0.506
			Right Tilt	0.015	0.051	0.066	0.007	0.168	0.124	0.197	0.358
DC_66A_n7A	Ant.4	Ant.3	Left Cheek	0.079	0.257	0.336	0.111	0.110	0.180	0.627	0.626
			Left Tilt	0.090	0.349	0.439	0.036	0.100	0.159	0.634	0.698
			Right Cheek	0.103	0.316	0.419	0.003	0.284	0.133	0.555	0.836
			Right Tilt	0.074	0.384	0.458	0.007	0.168	0.124	0.589	0.750
DC_66A_n7A	Ant.4	Ant.6	Left Cheek	0.079	0.229	0.308	0.111	0.110	0.180	0.599	0.598
			Left Tilt	0.090	0.092	0.182	0.036	0.100	0.159	0.377	0.441
			Right Cheek	0.103	0.073	0.176	0.003	0.284	0.133	0.312	0.593

			Right Tilt	0.074	0.051	0.125	0.007	0.168	0.124	0.256	0.417
DC_66A_n7A	Ant.5	Ant.3	Left Cheek	0.122	0.257	0.379	0.111	0.110	0.180	0.670	0.669
			Left Tilt	0.057	0.349	0.406	0.036	0.100	0.159	0.601	0.665
			Right Cheek	0.307	0.316	0.623	0.003	0.284	0.133	0.759	1.040
			Right Tilt	0.125	0.384	0.509	0.007	0.168	0.124	0.640	0.801
DC_66A_n7A	Ant.5	Ant.6	Left Cheek	0.122	0.229	0.351	0.111	0.110	0.180	0.642	0.641
			Left Tilt	0.057	0.092	0.149	0.036	0.100	0.159	0.344	0.408
			Right Cheek	0.307	0.073	0.380	0.003	0.284	0.133	0.516	0.797
			Right Tilt	0.125	0.051	0.176	0.007	0.168	0.124	0.307	0.468
DC_25A_n41A	Ant.3	Ant.5	Left Cheek	0.198	0.102	0.300	0.111	0.110	0.180	0.591	0.590
			Left Tilt	0.237	0.064	0.301	0.036	0.100	0.159	0.496	0.560
			Right Cheek	0.325	0.409	0.734	0.003	0.284	0.133	0.870	**1.151**
			Right Tilt	0.352	0.193	0.545	0.007	0.168	0.124	0.676	0.837
DC_25A_n41A	Ant.4	Ant.5	Left Cheek	0.111	0.102	0.213	0.111	0.110	0.180	0.504	0.503
			Left Tilt	0.094	0.064	0.158	0.036	0.100	0.159	0.353	0.417
			Right Cheek	0.121	0.409	0.530	0.003	0.284	0.133	0.666	0.947
			Right Tilt	0.113	0.193	0.306	0.007	0.168	0.124	0.437	0.598
DC_26A_n41A	Ant.0	Ant.5	Left Cheek	0.477	0.102	0.579	0.111	0.110	0.180	0.870	0.869
			Left Tilt	0.063	0.064	0.127	0.036	0.100	0.159	0.322	0.386
			Right Cheek	0.213	0.409	0.622	0.003	0.284	0.133	0.758	1.039
			Right Tilt	0.046	0.193	0.239	0.007	0.168	0.124	0.370	0.531
DC_26A_n41A	Ant.1	Ant.5	Left Cheek	0.136	0.102	0.238	0.111	0.110	0.180	0.529	0.528
			Left Tilt	0.087	0.064	0.151	0.036	0.100	0.159	0.346	0.410
			Right Cheek	0.194	0.409	0.603	0.003	0.284	0.133	0.739	1.020
			Right Tilt	0.110	0.193	0.303	0.007	0.168	0.124	0.434	0.595
DC_7A_n66A	Ant.4	Ant.3	Left Cheek	0.167	0.273	0.440	0.111	0.110	0.180	0.731	0.730
			Left Tilt	0.110	0.310	0.420	0.036	0.100	0.159	0.615	0.679
			Right Cheek	0.245	0.372	0.617	0.003	0.284	0.133	0.753	1.034
			Right Tilt	0.069	0.405	0.474	0.007	0.168	0.124	0.605	0.766
DC_7A_n66A	Ant.4	Ant.6	Left Cheek	0.167	0.267	0.434	0.111	0.110	0.180	0.725	0.724
			Left Tilt	0.110	0.085	0.195	0.036	0.100	0.159	0.390	0.454
			Right Cheek	0.245	0.065	0.310	0.003	0.284	0.133	0.446	0.727
			Right Tilt	0.069	0.015	0.084	0.007	0.168	0.124	0.215	0.376
DC_7A_n66A	Ant.5	Ant.3	Left Cheek	0.071	0.273	0.344	0.111	0.110	0.180	0.635	0.634
			Left Tilt	0.044	0.310	0.354	0.036	0.100	0.159	0.549	0.613
			Right Cheek	0.293	0.372	0.665	0.003	0.284	0.133	0.801	1.082
			Right Tilt	0.131	0.405	0.536	0.007	0.168	0.124	0.667	0.828
DC_7A_n66A	Ant.5	Ant.6	Left Cheek	0.071	0.267	0.338	0.111	0.110	0.180	0.629	0.628
			Left Tilt	0.044	0.085	0.129	0.036	0.100	0.159	0.324	0.388
			Right Cheek	0.293	0.065	0.358	0.003	0.284	0.133	0.494	0.775
			Right Tilt	0.131	0.015	0.146	0.007	0.168	0.124	0.277	0.438

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

12.2.12 Body-worn Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN 2.4G and BT or WLAN 5G and BT

EN-DC Configuratoin	LTE Ant.	NR Ant.	Position	Stand alone SAR						SUM SAR	
				/	/	1	2	3	4		
				LTE SAR (W/Kg)	NR SAR (W/Kg)	ENDC	2.4G WIFI (Ant.6)	MAX 5G WIFI	Bluetooth	Sum SAR (1+2+3)	Sum SAR (1+3+4)
DC_7A_n5A	Ant.3	Ant.0	Front Side 15mm	0.045	0.129	0.174	0.006	0.279	0.049	0.229	0.502
			Back Side 15mm	0.051	0.156	0.207	0.003	0.214	0.037	0.247	0.458
DC_7A_n5A	Ant.3	Ant.1	Front Side 15mm	0.045	0.004	0.049	0.006	0.279	0.049	0.104	0.377
			Back Side 15mm	0.051	0.006	0.057	0.003	0.214	0.037	0.097	0.308
DC_7A_n5A	Ant.6	Ant.0	Front Side 15mm	0.024	0.129	0.153	0.006	0.279	0.049	0.208	0.481
			Back Side 15mm	0.030	0.156	0.186	0.003	0.214	0.037	0.226	0.437
DC_7A_n5A	Ant.6	Ant.1	Front Side 15mm	0.024	0.004	0.028	0.006	0.279	0.049	0.083	0.356
			Back Side 15mm	0.030	0.006	0.036	0.003	0.214	0.037	0.076	0.287
DC_5A_n7A	Ant.0	Ant.3	Front Side 15mm	0.148	0.105	0.253	0.006	0.279	0.049	0.308	0.581
			Back Side 15mm	0.174	0.119	0.293	0.003	0.214	0.037	0.333	0.544
DC_5A_n7A	Ant.0	Ant.6	Front Side 15mm	0.148	0.010	0.158	0.006	0.279	0.049	0.213	0.486
			Back Side 15mm	0.174	0.050	0.224	0.003	0.214	0.037	0.264	0.475
DC_5A_n7A	Ant.1	Ant.3	Front Side 15mm	0.019	0.105	0.124	0.006	0.279	0.049	0.179	0.452
			Back Side 15mm	0.022	0.119	0.141	0.003	0.214	0.037	0.181	0.392
DC_5A_n7A	Ant.1	Ant.6	Front Side 15mm	0.019	0.010	0.029	0.006	0.279	0.049	0.084	0.357
			Back Side 15mm	0.022	0.050	0.072	0.003	0.214	0.037	0.112	0.323
DC_66A_n7A	Ant.4	Ant.3	Front Side 15mm	0.163	0.105	0.268	0.006	0.279	0.049	0.323	0.596
			Back Side 15mm	0.228	0.119	0.347	0.003	0.214	0.037	0.387	0.598
DC_66A_n7A	Ant.4	Ant.6	Front Side 15mm	0.163	0.010	0.173	0.006	0.279	0.049	0.228	0.501
			Back Side 15mm	0.228	0.050	0.278	0.003	0.214	0.037	0.318	0.529
DC_66A_n7A	Ant.5	Ant.3	Front Side 15mm	0.134	0.105	0.239	0.006	0.279	0.049	0.294	0.567
			Back Side 15mm	0.183	0.119	0.302	0.003	0.214	0.037	0.342	0.553
DC_66A_n7A	Ant.5	Ant.6	Front Side 15mm	0.134	0.010	0.144	0.006	0.279	0.049	0.199	0.472
			Back Side 15mm	0.183	0.050	0.233	0.003	0.214	0.037	0.273	0.484
DC_25A_n41A	Ant.3	Ant.5	Front Side 15mm	0.122	0.081	0.203	0.006	0.279	0.049	0.258	0.531
			Back Side 15mm	0.128	0.098	0.226	0.003	0.214	0.037	0.266	0.477
DC_25A_n41A	Ant.4	Ant.5	Front Side 15mm	0.166	0.081	0.247	0.006	0.279	0.049	0.302	0.575
			Back Side 15mm	0.198	0.098	0.296	0.003	0.214	0.037	0.336	0.547
DC_26A_n41A	Ant.0	Ant.5	Front Side 15mm	0.093	0.081	0.174	0.006	0.279	0.049	0.229	0.502
			Back Side 15mm	0.116	0.098	0.214	0.003	0.214	0.037	0.254	0.465
DC_26A_n41A	Ant.1	Ant.5	Front Side 15mm	0.207	0.081	0.288	0.006	0.279	0.049	0.343	**0.616**
			Back Side 15mm	0.233	0.098	0.331	0.003	0.214	0.037	0.371	0.582
DC_7A_n66A	Ant.4	Ant.3	Front Side 15mm	0.023	0.093	0.116	0.006	0.279	0.049	0.171	0.444
			Back Side 15mm	0.060	0.100	0.160	0.003	0.214	0.037	0.200	0.411
DC_7A_n66A	Ant.4	Ant.6	Front Side 15mm	0.023	0.050	0.073	0.006	0.279	0.049	0.128	0.401
			Back Side 15mm	0.060	0.060	0.120	0.003	0.214	0.037	0.160	0.371
DC_7A_n66A	Ant.5	Ant.3	Front Side 15mm	0.038	0.093	0.131	0.006	0.279	0.049	0.186	0.459
			Back Side 15mm	0.049	0.100	0.149	0.003	0.214	0.037	0.189	0.400
DC_7A_n66A	Ant.5	Ant.6	Front Side 15mm	0.038	0.050	0.088	0.006	0.279	0.049	0.143	0.416

			Back Side 15mm	0.049	0.060	0.109	0.003	0.214	0.037	0.149	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 0.616 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.13 Hotspot Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN 2.4G and BT or WLAN 5G and BT

EN-DC Configuratoin	LTE Ant.	NR Ant.	Position	Stand alone SAR						SUM SAR	
				/	/	1	2	3	4		
				LTE SAR (W/Kg)	NR SAR (W/Kg)	ENDC	2.4G WIFI (Ant.6)	MAX 5G WIFI	Bluetooth	Sum SAR (1+2+3)	Sum SAR (1+3+4)
DC_7A_n5A	Ant.3	Ant.0	Front Side 10mm	0.130	0.179	0.309	0.098	0.504	0.149	0.424	0.830
			Back Side 10mm	0.130	0.213	0.343	0.103	0.249	0.156	0.467	0.613
			Left Edge 10mm	0.000	0.000	0.000	0.228	0.202	0.026	0.342	0.316
			Right Edge 10mm	0.087	0.378	0.465	0.007	0.211	0.038	0.142	0.346
			Top Edge 10mm	0.355	0.009	0.364	0.009	0.427	0.188	0.552	0.970
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.015	0.017	0.149	0.159
DC_7A_n5A	Ant.3	Ant.1	Front Side 10mm	0.130	0.047	0.177	0.098	0.504	0.149	0.500	0.906
			Back Side 10mm	0.130	0.078	0.208	0.103	0.249	0.156	0.561	0.707
			Left Edge 10mm	0.000	0.088	0.088	0.228	0.202	0.026	0.420	0.394
			Right Edge 10mm	0.087	0.010	0.097	0.007	0.211	0.038	0.423	0.627
			Top Edge 10mm	0.355	0.000	0.355	0.009	0.427	0.188	0.238	0.656
			Bottom Edge 10mm	0.000	0.127	0.127	0.005	0.015	0.017	0.022	0.032
DC_7A_n5A	Ant.6	Ant.0	Front Side 10mm	0.074	0.179	0.253	0.098	0.504	0.149	0.368	0.774
			Back Side 10mm	0.089	0.213	0.302	0.103	0.249	0.156	0.426	0.572
			Left Edge 10mm	0.166	0.000	0.166	0.228	0.202	0.026	0.508	0.482
			Right Edge 10mm	0.000	0.378	0.378	0.007	0.211	0.038	0.055	0.259
			Top Edge 10mm	0.032	0.009	0.041	0.009	0.427	0.188	0.229	0.647
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.015	0.017	0.149	0.159
DC_7A_n5A	Ant.6	Ant.1	Front Side 10mm	0.074	0.047	0.121	0.098	0.504	0.149	0.709	1.115
			Back Side 10mm	0.089	0.078	0.167	0.103	0.249	0.156	0.784	0.930
			Left Edge 10mm	0.166	0.088	0.254	0.228	0.202	0.026	0.254	0.228
			Right Edge 10mm	0.000	0.010	0.010	0.007	0.211	0.038	0.695	0.899
			Top Edge 10mm	0.032	0.000	0.032	0.009	0.427	0.188	0.571	0.989
			Bottom Edge 10mm	0.000	0.127	0.127	0.005	0.015	0.017	0.022	0.032
DC_5A_n7A	Ant.0	Ant.3	Front Side 10mm	0.304	0.158	0.462	0.098	0.504	0.149	0.614	1.020
			Back Side 10mm	0.372	0.153	0.525	0.103	0.249	0.156	0.707	0.853
			Left Edge 10mm	0.000	0.000	0.000	0.228	0.202	0.026	0.430	0.404
			Right Edge 10mm	0.541	0.109	0.650	0.007	0.211	0.038	0.586	0.790
			Top Edge 10mm	0.009	0.365	0.374	0.009	0.427	0.188	0.216	0.634
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.015	0.017	0.022	0.032
DC_5A_n7A	Ant.0	Ant.6	Front Side 10mm	0.304	0.063	0.367	0.098	0.504	0.149	0.454	0.860
			Back Side 10mm	0.372	0.076	0.448	0.103	0.249	0.156	0.491	0.637
			Left Edge 10mm	0.000	0.176	0.176	0.228	0.202	0.026	0.267	0.241
			Right Edge 10mm	0.541	0.000	0.541	0.007	0.211	0.038	0.166	0.370
			Top Edge 10mm	0.009	0.010	0.019	0.009	0.427	0.188	0.562	0.980
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.015	0.017	0.170	0.180
DC_5A_n7A	Ant.1	Ant.3	Front Side 10mm	0.049	0.158	0.207	0.098	0.504	0.149	0.359	0.765
			Back Side 10mm	0.079	0.153	0.232	0.103	0.249	0.156	0.414	0.560
			Left Edge 10mm	0.013	0.000	0.013	0.228	0.202	0.026	0.443	0.417

			Right Edge 10mm	0.012	0.109	0.121	0.007	0.211	0.038	0.057	0.261
			Top Edge 10mm	0.000	0.365	0.365	0.009	0.427	0.188	0.207	0.625
			Bottom Edge 10mm	0.148	0.000	0.148	0.005	0.015	0.017	0.170	0.180
DC_5A_n7A	Ant.1	Ant.6	Front Side 10mm	0.049	0.063	0.112	0.098	0.504	0.149	0.638	1.044
			Back Side 10mm	0.079	0.076	0.155	0.103	0.249	0.156	0.680	0.826
			Left Edge 10mm	0.013	0.176	0.189	0.228	0.202	0.026	0.382	0.356
			Right Edge 10mm	0.012	0.000	0.012	0.007	0.211	0.038	0.154	0.358
			Top Edge 10mm	0.000	0.010	0.010	0.009	0.427	0.188	1.022	**1.440**
			Bottom Edge 10mm	0.148	0.000	0.148	0.005	0.015	0.017	0.022	0.032
DC_66A_n7A	Ant.4	Ant.3	Front Side 10mm	0.233	0.158	0.391	0.098	0.504	0.149	0.543	0.949
			Back Side 10mm	0.268	0.153	0.421	0.103	0.249	0.156	0.603	0.749
			Left Edge 10mm	0.128	0.000	0.128	0.228	0.202	0.026	0.558	0.532
			Right Edge 10mm	0.000	0.109	0.109	0.007	0.211	0.038	0.045	0.249
			Top Edge 10mm	0.460	0.365	0.825	0.009	0.427	0.188	0.667	1.085
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.015	0.017	0.022	0.032
DC_66A_n7A	Ant.4	Ant.6	Front Side 10mm	0.233	0.063	0.296	0.098	0.504	0.149	0.600	1.006
			Back Side 10mm	0.268	0.076	0.344	0.103	0.249	0.156	0.693	0.839
			Left Edge 10mm	0.128	0.176	0.304	0.228	0.202	0.026	0.254	0.228
			Right Edge 10mm	0.000	0.000	0.000	0.007	0.211	0.038	0.512	0.716
			Top Edge 10mm	0.460	0.010	0.470	0.009	0.427	0.188	0.574	0.992
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.015	0.017	0.022	0.032
DC_66A_n7A	Ant.5	Ant.3	Front Side 10mm	0.195	0.158	0.353	0.098	0.504	0.149	0.505	0.911
			Back Side 10mm	0.281	0.153	0.434	0.103	0.249	0.156	0.616	0.762
			Left Edge 10mm	0.000	0.000	0.000	0.228	0.202	0.026	0.430	0.404
			Right Edge 10mm	0.358	0.109	0.467	0.007	0.211	0.038	0.403	0.607
			Top Edge 10mm	0.012	0.365	0.377	0.009	0.427	0.188	0.219	0.637
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.015	0.017	0.022	0.032
DC_66A_n7A	Ant.5	Ant.6	Front Side 10mm	0.195	0.063	0.258	0.098	0.504	0.149	0.632	1.038
			Back Side 10mm	0.281	0.076	0.357	0.103	0.249	0.156	0.635	0.781
			Left Edge 10mm	0.000	0.176	0.176	0.228	0.202	0.026	0.254	0.228
			Right Edge 10mm	0.358	0.000	0.358	0.007	0.211	0.038	0.501	0.705
			Top Edge 10mm	0.012	0.010	0.022	0.009	0.427	0.188	0.595	1.013
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.015	0.017	0.022	0.032
DC_25A_n41A	Ant.3	Ant.5	Front Side 10mm	0.256	0.129	0.385	0.098	0.504	0.149	0.654	1.060
			Back Side 10mm	0.207	0.169	0.376	0.103	0.249	0.156	0.806	0.952
			Left Edge 10mm	0.000	0.000	0.000	0.228	0.202	0.026	0.433	0.407
			Right Edge 10mm	0.044	0.412	0.456	0.007	0.211	0.038	0.457	0.661
			Top Edge 10mm	0.386	0.012	0.398	0.009	0.427	0.188	0.209	0.627
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.015	0.017	0.474	0.484
DC_25A_n41A	Ant.4	Ant.5	Front Side 10mm	0.278	0.129	0.407	0.098	0.504	0.149	0.540	0.946
			Back Side 10mm	0.378	0.169	0.547	0.103	0.249	0.156	0.630	0.776
			Left Edge 10mm	0.179	0.000	0.179	0.228	0.202	0.026	0.254	0.228
			Right Edge 10mm	0.000	0.412	0.412	0.007	0.211	0.038	0.817	1.021
			Top Edge 10mm	0.000	0.012	0.012	0.009	0.427	0.188	0.217	0.635
			Bottom Edge 10mm	0.452	0.000	0.452	0.005	0.015	0.017	0.022	0.032

DC_26A_n41A	Ant.0	Ant.5	Front Side 10mm	0.164	0.129	0.293	0.098	0.504	0.149	0.735	1.141
			Back Side 10mm	0.202	0.169	0.371	0.103	0.249	0.156	0.879	1.025
			Left Edge 10mm	0.000	0.000	0.000	0.228	0.202	0.026	0.469	0.443
			Right Edge 10mm	0.360	0.412	0.772	0.007	0.211	0.038	0.555	0.759
			Top Edge 10mm	0.008	0.012	0.020	0.009	0.427	0.188	0.209	0.627
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.015	0.017	0.288	0.298
DC_26A_n41A	Ant.1	Ant.5	Front Side 10mm	0.359	0.129	0.488	0.098	0.504	0.149	0.487	0.893
			Back Side 10mm	0.451	0.169	0.620	0.103	0.249	0.156	0.583	0.729
			Left Edge 10mm	0.215	0.000	0.215	0.228	0.202	0.026	0.271	0.245
			Right Edge 10mm	0.098	0.412	0.510	0.007	0.211	0.038	0.058	0.262
			Top Edge 10mm	0.000	0.012	0.012	0.009	0.427	0.188	0.449	0.867
			Bottom Edge 10mm	0.266	0.000	0.266	0.005	0.015	0.017	0.110	0.120
DC_7A_n66A	Ant.4	Ant.3	Front Side 10mm	0.072	0.168	0.240	0.098	0.504	0.149	0.402	0.808
			Back Side 10mm	0.174	0.150	0.324	0.103	0.249	0.156	0.520	0.666
			Left Edge 10mm	0.017	0.000	0.017	0.228	0.202	0.026	0.487	0.461
			Right Edge 10mm	0.000	0.013	0.013	0.007	0.211	0.038	0.045	0.249
			Top Edge 10mm	0.000	0.252	0.252	0.009	0.427	0.188	0.269	0.687
			Bottom Edge 10mm	0.088	0.000	0.088	0.005	0.015	0.017	0.110	0.120
DC_7A_n66A	Ant.4	Ant.6	Front Side 10mm	0.072	0.083	0.155	0.098	0.504	0.149	0.531	0.937
			Back Side 10mm	0.174	0.087	0.261	0.103	0.249	0.156	0.566	0.712
			Left Edge 10mm	0.017	0.216	0.233	0.228	0.202	0.026	0.254	0.228
			Right Edge 10mm	0.000	0.000	0.000	0.007	0.211	0.038	0.363	0.567
			Top Edge 10mm	0.000	0.072	0.072	0.009	0.427	0.188	0.458	0.876
			Bottom Edge 10mm	0.088	0.000	0.088	0.005	0.015	0.017	0.022	0.032
DC_7A_n66A	Ant.5	Ant.3	Front Side 10mm	0.116	0.168	0.284	0.098	0.504	0.149	0.446	0.852
			Back Side 10mm	0.157	0.150	0.307	0.103	0.249	0.156	0.503	0.649
			Left Edge 10mm	0.000	0.000	0.000	0.228	0.202	0.026	0.470	0.444
			Right Edge 10mm	0.305	0.013	0.318	0.007	0.211	0.038	0.350	0.554
			Top Edge 10mm	0.009	0.252	0.261	0.009	0.427	0.188	0.278	0.696
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.015	0.017	0.022	0.032
DC_7A_n66A	Ant.5	Ant.6	Front Side 10mm	0.116	0.083	0.199	0.098	0.504	0.149	0.424	0.830
			Back Side 10mm	0.157	0.087	0.244	0.103	0.249	0.156	0.467	0.613
			Left Edge 10mm	0.000	0.216	0.216	0.228	0.202	0.026	0.342	0.316
			Right Edge 10mm	0.305	0.000	0.305	0.007	0.211	0.038	0.142	0.346
			Top Edge 10mm	0.009	0.072	0.081	0.009	0.427	0.188	0.552	0.970
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.015	0.017	0.149	0.159

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

12.2.14 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		
			WWAN	2.4G WIFI (Ant.6)	MAX 2.4G WIFI	MAX 5G WIFI	Bluetooth	Sum SAR (1+2+4+5)	Sum SAR (1+3+4)
GSM850	Ant.0	Left Cheek	0.478	0.094	0.187	0.101	0.116	0.789	0.766
	Ant.0	Left Tilt	0.059	0.006	0.126	0.078	0.103	0.246	0.263
	Ant.0	Right Cheek	0.221	0.009	0.070	0.284	0.093	0.607	0.575
	Ant.0	Right Tilt	0.041	0.007	0.067	0.168	0.085	0.301	0.276
GSM850	Ant.1	Left Cheek	0.153	0.094	0.187	0.101	0.116	0.464	0.441
	Ant.1	Left Tilt	0.107	0.006	0.126	0.078	0.103	0.294	0.311
	Ant.1	Right Cheek	0.230	0.009	0.070	0.284	0.093	0.616	0.584
	Ant.1	Right Tilt	0.126	0.007	0.067	0.168	0.085	0.386	0.361
GSM1900	Ant.3	Left Cheek	0.322	0.094	0.187	0.101	0.116	0.633	0.610
	Ant.3	Left Tilt	0.384	0.006	0.126	0.078	0.103	0.571	0.588
	Ant.3	Right Cheek	0.514	0.009	0.070	0.284	0.093	0.900	0.868
	Ant.3	Right Tilt	0.749	0.007	0.067	0.168	0.085	1.009	0.984
GSM1900	Ant.4	Left Cheek	0.090	0.094	0.187	0.101	0.116	0.401	0.378
	Ant.4	Left Tilt	0.075	0.006	0.126	0.078	0.103	0.262	0.279
	Ant.4	Right Cheek	0.109	0.009	0.070	0.284	0.093	0.495	0.463
	Ant.4	Right Tilt	0.089	0.007	0.067	0.168	0.085	0.349	0.324
WCDMA B2	Ant.3	Left Cheek	0.351	0.094	0.187	0.101	0.116	0.662	0.639
	Ant.3	Left Tilt	0.417	0.006	0.126	0.078	0.103	0.604	0.621
	Ant.3	Right Cheek	0.588	0.009	0.070	0.284	0.093	0.974	0.942
	Ant.3	Right Tilt	0.714	0.007	0.067	0.168	0.085	0.974	0.949
WCDMA B2	Ant.4	Left Cheek	0.158	0.094	0.187	0.101	0.116	0.469	0.446
	Ant.4	Left Tilt	0.120	0.006	0.126	0.078	0.103	0.307	0.324
	Ant.4	Right Cheek	0.150	0.009	0.070	0.284	0.093	0.536	0.504
	Ant.4	Right Tilt	0.179	0.007	0.067	0.168	0.085	0.439	0.414
WCDMA B4	Ant.3	Left Cheek	0.553	0.094	0.187	0.101	0.116	0.864	0.841
	Ant.3	Left Tilt	0.638	0.006	0.126	0.078	0.103	0.825	0.842
	Ant.3	Right Cheek	0.759	0.009	0.070	0.284	0.093	1.145	1.113
	Ant.3	Right Tilt	0.871	0.007	0.067	0.168	0.085	1.131	1.106
WCDMA B4	Ant.4	Left Cheek	0.219	0.094	0.187	0.101	0.116	0.530	0.507
	Ant.4	Left Tilt	0.172	0.006	0.126	0.078	0.103	0.359	0.376
	Ant.4	Right Cheek	0.114	0.009	0.070	0.284	0.093	0.500	0.468
	Ant.4	Right Tilt	0.166	0.007	0.067	0.168	0.085	0.426	0.401
WCDMA B5	Ant.0	Left Cheek	0.805	0.094	0.187	0.101	0.116	1.116	1.093
	Ant.0	Left Tilt	0.102	0.006	0.126	0.078	0.103	0.289	0.306
	Ant.0	Right Cheek	0.361	0.009	0.070	0.284	0.093	0.747	0.715
	Ant.0	Right Tilt	0.075	0.007	0.067	0.168	0.085	0.335	0.310
WCDMA B5	Ant.1	Left Cheek	0.190	0.094	0.187	0.101	0.116	0.501	0.478
	Ant.1	Left Tilt	0.137	0.006	0.126	0.078	0.103	0.324	0.341
	Ant.1	Right Cheek	0.281	0.009	0.070	0.284	0.093	0.667	0.635

	Ant.1	Right Tilt	0.155	0.007	0.067	0.168	0.085	0.415	0.390
LTE B2	Ant.3	Left Cheek	0.339	0.094	0.187	0.101	0.116	0.650	0.627
	Ant.3	Left Tilt	0.405	0.006	0.126	0.078	0.103	0.592	0.609
	Ant.3	Right Cheek	0.547	0.009	0.070	0.284	0.093	0.933	0.901
	Ant.3	Right Tilt	0.661	0.007	0.067	0.168	0.085	0.921	0.896
LTE B2	Ant.4	Left Cheek	0.107	0.094	0.187	0.101	0.116	0.418	0.395
	Ant.4	Left Tilt	0.100	0.006	0.126	0.078	0.103	0.287	0.304
	Ant.4	Right Cheek	0.122	0.009	0.070	0.284	0.093	0.508	0.476
	Ant.4	Right Tilt	0.131	0.007	0.067	0.168	0.085	0.391	0.366
LTE B4	Ant.3	Left Cheek	0.548	0.094	0.187	0.101	0.116	0.859	0.836
	Ant.3	Left Tilt	0.646	0.006	0.126	0.078	0.103	0.833	0.850
	Ant.3	Right Cheek	0.731	0.009	0.070	0.284	0.093	1.117	1.085
	Ant.3	Right Tilt	0.838	0.007	0.067	0.168	0.085	1.098	1.073
LTE B4	Ant.4	Left Cheek	0.230	0.094	0.187	0.101	0.116	0.541	0.518
	Ant.4	Left Tilt	0.168	0.006	0.126	0.078	0.103	0.355	0.372
	Ant.4	Right Cheek	0.116	0.009	0.070	0.284	0.093	0.502	0.470
	Ant.4	Right Tilt	0.171	0.007	0.067	0.168	0.085	0.431	0.406
LTE B5	Ant.0	Left Cheek	0.859	0.094	0.187	0.101	0.116	1.170	1.147
	Ant.0	Left Tilt	0.114	0.006	0.126	0.078	0.103	0.301	0.318
	Ant.0	Right Cheek	0.390	0.009	0.070	0.284	0.093	0.776	0.744
	Ant.0	Right Tilt	0.085	0.007	0.067	0.168	0.085	0.345	0.320
LTE B5	Ant.1	Left Cheek	0.207	0.094	0.187	0.101	0.116	0.518	0.495
	Ant.1	Left Tilt	0.134	0.006	0.126	0.078	0.103	0.321	0.338
	Ant.1	Right Cheek	0.293	0.009	0.070	0.284	0.093	0.679	0.647
	Ant.1	Right Tilt	0.170	0.007	0.067	0.168	0.085	0.430	0.405
LTE B7	Ant.3	Left Cheek	0.533	0.094	0.187	0.101	0.116	0.844	0.821
	Ant.3	Left Tilt	0.786	0.006	0.126	0.078	0.103	0.973	0.990
	Ant.3	Right Cheek	0.633	0.009	0.070	0.284	0.093	1.019	0.987
	Ant.3	Right Tilt	0.841	0.007	0.067	0.168	0.085	1.101	1.076
LTE B7	Ant.4	Left Cheek	0.223	0.094	0.187	0.101	0.116	0.534	0.511
	Ant.4	Left Tilt	0.226	0.006	0.126	0.078	0.103	0.413	0.430
	Ant.4	Right Cheek	0.311	0.009	0.070	0.284	0.093	0.697	0.665
	Ant.4	Right Tilt	0.206	0.007	0.067	0.168	0.085	0.466	0.441
LTE B12	Ant.0	Left Cheek	0.714	0.094	0.187	0.101	0.116	1.025	1.002
	Ant.0	Left Tilt	0.102	0.006	0.126	0.078	0.103	0.289	0.306
	Ant.0	Right Cheek	0.358	0.009	0.070	0.284	0.093	0.744	0.712
	Ant.0	Right Tilt	0.074	0.007	0.067	0.168	0.085	0.334	0.309
LTE B12	Ant.1	Left Cheek	0.181	0.094	0.187	0.101	0.116	0.492	0.469
	Ant.1	Left Tilt	0.118	0.006	0.126	0.078	0.103	0.305	0.322
	Ant.1	Right Cheek	0.241	0.009	0.070	0.284	0.093	0.627	0.595
	Ant.1	Right Tilt	0.129	0.007	0.067	0.168	0.085	0.389	0.364
LTE B13	Ant.0	Left Cheek	0.404	0.094	0.187	0.101	0.116	0.715	0.692
	Ant.0	Left Tilt	0.057	0.006	0.126	0.078	0.103	0.244	0.261
	Ant.0	Right Cheek	0.178	0.009	0.070	0.284	0.093	0.564	0.532
	Ant.0	Right Tilt	0.011	0.007	0.067	0.168	0.085	0.271	0.246

LTE B13	Ant.1	Left Cheek	0.129	0.094	0.187	0.101	0.116	0.440	0.417
	Ant.1	Left Tilt	0.083	0.006	0.126	0.078	0.103	0.270	0.287
	Ant.1	Right Cheek	0.179	0.009	0.070	0.284	0.093	0.565	0.533
	Ant.1	Right Tilt	0.094	0.007	0.067	0.168	0.085	0.354	0.329
LTE B25	Ant.3	Left Cheek	0.346	0.094	0.187	0.101	0.116	0.657	0.634
	Ant.3	Left Tilt	0.415	0.006	0.126	0.078	0.103	0.602	0.619
	Ant.3	Right Cheek	0.567	0.009	0.070	0.284	0.093	0.953	0.921
	Ant.3	Right Tilt	0.616	0.007	0.067	0.168	0.085	0.876	0.851
LTE B25	Ant.4	Left Cheek	0.111	0.094	0.187	0.101	0.116	0.422	0.399
	Ant.4	Left Tilt	0.094	0.006	0.126	0.078	0.103	0.281	0.298
	Ant.4	Right Cheek	0.121	0.009	0.070	0.284	0.093	0.507	0.475
	Ant.4	Right Tilt	0.113	0.007	0.067	0.168	0.085	0.373	0.348
LTE B26	Ant.0	Left Cheek	0.622	0.094	0.187	0.101	0.116	0.933	0.910
	Ant.0	Left Tilt	0.082	0.006	0.126	0.078	0.103	0.269	0.286
	Ant.0	Right Cheek	0.278	0.009	0.070	0.284	0.093	0.664	0.632
	Ant.0	Right Tilt	0.060	0.007	0.067	0.168	0.085	0.320	0.295
LTE B26	Ant.1	Left Cheek	0.136	0.094	0.187	0.101	0.116	0.447	0.424
	Ant.1	Left Tilt	0.087	0.006	0.126	0.078	0.103	0.274	0.291
	Ant.1	Right Cheek	0.194	0.009	0.070	0.284	0.093	0.580	0.548
	Ant.1	Right Tilt	0.110	0.007	0.067	0.168	0.085	0.370	0.345
LTE B66	Ant.3	Left Cheek	0.529	0.094	0.187	0.101	0.116	0.840	0.817
	Ant.3	Left Tilt	0.644	0.006	0.126	0.078	0.103	0.831	0.848
	Ant.3	Right Cheek	0.714	0.009	0.070	0.284	0.093	1.100	1.068
	Ant.3	Right Tilt	0.852	0.007	0.067	0.168	0.085	1.112	1.087
LTE B66	Ant.4	Left Cheek	0.188	0.094	0.187	0.101	0.116	0.499	0.476
	Ant.4	Left Tilt	0.130	0.006	0.126	0.078	0.103	0.317	0.334
	Ant.4	Right Cheek	0.101	0.009	0.070	0.284	0.093	0.487	0.455
	Ant.4	Right Tilt	0.147	0.007	0.067	0.168	0.085	0.407	0.382
LTE B38	Ant.3	Left Cheek	0.550	0.094	0.187	0.101	0.116	0.861	0.838
	Ant.3	Left Tilt	0.660	0.006	0.126	0.078	0.103	0.847	0.864
	Ant.3	Right Cheek	0.997	0.009	0.070	0.284	0.093	**1.383**	1.351
	Ant.3	Right Tilt	1.004	0.007	0.067	0.168	0.085	1.264	1.239
LTE B38	Ant.4	Left Cheek	0.108	0.094	0.187	0.101	0.116	0.419	0.396
	Ant.4	Left Tilt	0.077	0.006	0.126	0.078	0.103	0.264	0.281
	Ant.4	Right Cheek	0.137	0.009	0.070	0.284	0.093	0.523	0.491
	Ant.4	Right Tilt	0.009	0.007	0.067	0.168	0.085	0.269	0.244
LTE B41	Ant.3	Left Cheek	0.447	0.094	0.187	0.101	0.116	0.758	0.735
	Ant.3	Left Tilt	0.556	0.006	0.126	0.078	0.103	0.743	0.760
	Ant.3	Right Cheek	0.583	0.009	0.070	0.284	0.093	0.969	0.937
	Ant.3	Right Tilt	0.684	0.007	0.067	0.168	0.085	0.944	0.919
LTE B41	Ant.4	Left Cheek	0.153	0.094	0.187	0.101	0.116	0.464	0.441
	Ant.4	Left Tilt	0.100	0.006	0.126	0.078	0.103	0.287	0.304
	Ant.4	Right Cheek	0.157	0.009	0.070	0.284	0.093	0.543	0.511
	Ant.4	Right Tilt	0.017	0.007	0.067	0.168	0.085	0.277	0.252
n5	Ant.0	Left Cheek	0.470	0.094	0.187	0.101	0.116	0.781	0.758

	Ant.0	Left Tilt	0.064	0.006	0.126	0.078	0.103	0.251	0.268
	Ant.0	Right Cheek	0.209	0.009	0.070	0.284	0.093	0.595	0.563
	Ant.0	Right Tilt	0.047	0.007	0.067	0.168	0.085	0.307	0.282
n5	Ant.1	Left Cheek	0.020	0.094	0.187	0.101	0.116	0.331	0.308
	Ant.1	Left Tilt	0.012	0.006	0.126	0.078	0.103	0.199	0.216
	Ant.1	Right Cheek	0.019	0.009	0.070	0.284	0.093	0.405	0.373
	Ant.1	Right Tilt	0.008	0.007	0.067	0.168	0.085	0.268	0.243
n7	Ant.3	Left Cheek	0.381	0.094	0.187	0.101	0.116	0.692	0.669
	Ant.3	Left Tilt	0.509	0.006	0.126	0.078	0.103	0.696	0.713
	Ant.3	Right Cheek	0.479	0.009	0.070	0.284	0.093	0.865	0.833
	Ant.3	Right Tilt	0.710	0.007	0.067	0.168	0.085	0.970	0.945
n7	Ant.4	Left Cheek	0.229	0.094	0.187	0.101	0.116	0.540	0.517
	Ant.4	Left Tilt	0.182	0.006	0.126	0.078	0.103	0.369	0.386
	Ant.4	Right Cheek	0.307	0.009	0.070	0.284	0.093	0.693	0.661
	Ant.4	Right Tilt	0.131	0.007	0.067	0.168	0.085	0.391	0.366
n12	Ant.0	Left Cheek	0.316	0.094	0.187	0.101	0.116	0.627	0.604
	Ant.0	Left Tilt	0.042	0.006	0.126	0.078	0.103	0.229	0.246
	Ant.0	Right Cheek	0.160	0.009	0.070	0.284	0.093	0.546	0.514
	Ant.0	Right Tilt	0.009	0.007	0.067	0.168	0.085	0.269	0.244
n12	Ant.1	Left Cheek	0.015	0.094	0.187	0.101	0.116	0.326	0.303
	Ant.1	Left Tilt	0.009	0.006	0.126	0.078	0.103	0.196	0.213
	Ant.1	Right Cheek	0.013	0.009	0.070	0.284	0.093	0.399	0.367
	Ant.1	Right Tilt	0.012	0.007	0.067	0.168	0.085	0.272	0.247
n13	Ant.0	Left Cheek	0.233	0.094	0.187	0.101	0.116	0.544	0.521
	Ant.0	Left Tilt	0.034	0.006	0.126	0.078	0.103	0.221	0.238
	Ant.0	Right Cheek	0.097	0.009	0.070	0.284	0.093	0.483	0.451
	Ant.0	Right Tilt	0.011	0.007	0.067	0.168	0.085	0.271	0.246
n13	Ant.1	Left Cheek	0.020	0.094	0.187	0.101	0.116	0.331	0.308
	Ant.1	Left Tilt	0.011	0.006	0.126	0.078	0.103	0.198	0.215
	Ant.1	Right Cheek	0.016	0.009	0.070	0.284	0.093	0.402	0.370
	Ant.1	Right Tilt	0.008	0.007	0.067	0.168	0.085	0.268	0.243
n26	Ant.0	Left Cheek	0.379	0.094	0.187	0.101	0.116	0.690	0.667
	Ant.0	Left Tilt	0.042	0.006	0.126	0.078	0.103	0.229	0.246
	Ant.0	Right Cheek	0.162	0.009	0.070	0.284	0.093	0.548	0.516
	Ant.0	Right Tilt	0.034	0.007	0.067	0.168	0.085	0.294	0.269
n26	Ant.1	Left Cheek	0.016	0.094	0.187	0.101	0.116	0.327	0.304
	Ant.1	Left Tilt	0.009	0.006	0.126	0.078	0.103	0.196	0.213
	Ant.1	Right Cheek	0.011	0.009	0.070	0.284	0.093	0.397	0.365
	Ant.1	Right Tilt	0.009	0.007	0.067	0.168	0.085	0.269	0.244
n38	Ant.3	Left Cheek	0.357	0.094	0.187	0.101	0.116	0.668	0.645
	Ant.3	Left Tilt	0.457	0.006	0.126	0.078	0.103	0.644	0.661
	Ant.3	Right Cheek	0.545	0.009	0.071	0.284	0.093	0.931	0.900
	Ant.3	Right Tilt	0.748	0.007	0.067	0.168	0.085	1.008	0.983
n38	Ant.4	Left Cheek	0.219	0.094	0.187	0.101	0.116	0.530	0.507
	Ant.4	Left Tilt	0.119	0.006	0.126	0.078	0.103	0.306	0.323

	Ant.4	Right Cheek	0.317	0.009	0.071	0.284	0.093	0.703	0.672
	Ant.4	Right Tilt	0.086	0.007	0.067	0.168	0.085	0.346	0.321
n41	Ant.3	Left Cheek	0.312	0.094	0.187	0.101	0.116	0.623	0.600
	Ant.3	Left Tilt	0.443	0.006	0.126	0.078	0.103	0.630	0.647
	Ant.3	Right Cheek	0.409	0.009	0.070	0.284	0.093	0.795	0.763
	Ant.3	Right Tilt	0.525	0.007	0.067	0.168	0.085	0.785	0.760
n41	Ant.4	Left Cheek	0.180	0.094	0.187	0.101	0.116	0.491	0.468
	Ant.4	Left Tilt	0.132	0.006	0.126	0.078	0.103	0.319	0.336
	Ant.4	Right Cheek	0.291	0.009	0.070	0.284	0.093	0.677	0.645
	Ant.4	Right Tilt	0.085	0.007	0.067	0.168	0.085	0.345	0.320
n66	Ant.3	Left Cheek	0.475	0.094	0.187	0.101	0.116	0.786	0.763
	Ant.3	Left Tilt	0.545	0.006	0.126	0.078	0.103	0.732	0.749
	Ant.3	Right Cheek	0.664	0.009	0.070	0.284	0.093	1.050	1.018
	Ant.3	Right Tilt	0.778	0.007	0.067	0.168	0.085	1.038	1.013
n66	Ant.4	Left Cheek	0.097	0.094	0.187	0.101	0.116	0.408	0.385
	Ant.4	Left Tilt	0.104	0.006	0.126	0.078	0.103	0.291	0.308
	Ant.4	Right Cheek	0.169	0.009	0.070	0.284	0.093	0.555	0.523
	Ant.4	Right Tilt	0.125	0.007	0.067	0.168	0.085	0.385	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 1.383 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.15 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		
			WWAN	2.4G WIFI (Ant.6)	MAX 2.4G WIFI	MAX 5G WIFI	Bluetooth	Sum SAR (1+2+4+5)	Sum SAR (1+3+4)
GSM850	Ant.0	Front Side 15mm	0.150	0.006	0.130	0.279	0.049	0.484	0.559
	Ant.0	Back Side 15mm	0.191	0.003	0.142	0.214	0.037	0.445	0.547
GSM850	Ant.1	Front Side 15mm	0.286	0.006	0.130	0.279	0.049	0.620	0.695
	Ant.1	Back Side 15mm	0.303	0.003	0.142	0.214	0.037	0.557	0.659
GSM1900	Ant.2	Front Side 15mm	0.105	0.006	0.130	0.279	0.049	0.439	0.514
	Ant.2	Back Side 15mm	0.107	0.003	0.142	0.214	0.037	0.361	0.463
GSM1900	Ant.3	Front Side 15mm	0.116	0.006	0.130	0.279	0.049	0.450	0.525
	Ant.3	Back Side 15mm	0.162	0.003	0.142	0.214	0.037	0.416	0.518
WCDMA B2	Ant.2	Front Side 15mm	0.147	0.006	0.130	0.279	0.049	0.481	0.556
	Ant.2	Back Side 15mm	0.153	0.003	0.142	0.214	0.037	0.407	0.509
WCDMA B2	Ant.3	Front Side 15mm	0.195	0.006	0.130	0.279	0.049	0.529	0.604
	Ant.3	Back Side 15mm	0.228	0.003	0.142	0.214	0.037	0.482	0.584
WCDMA B4	Ant.0	Front Side 15mm	0.221	0.006	0.130	0.279	0.049	0.555	0.630
	Ant.0	Back Side 15mm	0.207	0.003	0.142	0.214	0.037	0.461	0.563
WCDMA B4	Ant.1	Front Side 15mm	0.305	0.006	0.130	0.279	0.049	0.639	0.714
	Ant.1	Back Side 15mm	0.335	0.003	0.142	0.214	0.037	0.589	0.691
WCDMA B5	Ant.0	Front Side 15mm	0.206	0.006	0.130	0.279	0.049	0.540	0.615
	Ant.0	Back Side 15mm	0.249	0.003	0.142	0.214	0.037	0.503	0.605
WCDMA B5	Ant.1	Front Side 15mm	0.297	0.006	0.130	0.279	0.049	0.631	0.706
	Ant.1	Back Side 15mm	0.351	0.003	0.142	0.214	0.037	0.605	0.707
LTE B2	Ant.2	Front Side 15mm	0.159	0.006	0.130	0.279	0.049	0.493	0.568
	Ant.2	Back Side 15mm	0.165	0.003	0.142	0.214	0.037	0.419	0.521
LTE B2	Ant.3	Front Side 15mm	0.190	0.006	0.130	0.279	0.049	0.524	0.599
	Ant.3	Back Side 15mm	0.218	0.003	0.142	0.214	0.037	0.472	0.574
LTE B4	Ant.2	Front Side 15mm	0.227	0.006	0.130	0.279	0.049	0.561	0.636
	Ant.2	Back Side 15mm	0.219	0.003	0.142	0.214	0.037	0.473	0.575
LTE B4	Ant.3	Front Side 15mm	0.288	0.006	0.130	0.279	0.049	0.622	0.697
	Ant.3	Back Side 15mm	0.314	0.003	0.142	0.214	0.037	0.568	0.670
LTE B5	Ant.0	Front Side 15mm	0.198	0.006	0.130	0.279	0.049	0.532	0.607
	Ant.0	Back Side 15mm	0.236	0.003	0.142	0.214	0.037	0.490	0.592
LTE B5	Ant.1	Front Side 15mm	0.247	0.006	0.130	0.279	0.049	0.581	0.656
	Ant.1	Back Side 15mm	0.274	0.003	0.142	0.214	0.037	0.528	0.630
LTE B7	Ant.2	Front Side 15mm	0.111	0.006	0.130	0.279	0.049	0.445	0.520
	Ant.2	Back Side 15mm	0.115	0.003	0.142	0.214	0.037	0.369	0.471
LTE B7	Ant.3	Front Side 15mm	0.144	0.006	0.130	0.279	0.049	0.478	0.553
	Ant.3	Back Side 15mm	0.138	0.003	0.142	0.214	0.037	0.392	0.494
LTE 12	Ant.0	Front Side 15mm	0.163	0.006	0.130	0.279	0.049	0.497	0.572
	Ant.0	Back Side 15mm	0.204	0.003	0.142	0.214	0.037	0.458	0.560
LTE 12	Ant.1	Front Side 15mm	0.304	0.006	0.130	0.279	0.049	0.638	0.713

	Ant.1	Back Side 15mm	0.324	0.003	0.142	0.214	0.037	0.578	0.680
LTE 13	Ant.0	Front Side 15mm	0.103	0.006	0.130	0.279	0.049	0.437	0.512
	Ant.0	Back Side 15mm	0.126	0.003	0.142	0.214	0.037	0.380	0.482
LTE 13	Ant.1	Front Side 15mm	0.215	0.006	0.130	0.279	0.049	0.549	0.624
	Ant.1	Back Side 15mm	0.235	0.003	0.142	0.214	0.037	0.489	0.591
LTE B25	Ant.2	Front Side 15mm	0.160	0.006	0.130	0.279	0.049	0.494	0.569
	Ant.2	Back Side 15mm	0.169	0.003	0.142	0.214	0.037	0.423	0.525
LTE B25	Ant.3	Front Side 15mm	0.179	0.006	0.130	0.279	0.049	0.513	0.588
	Ant.3	Back Side 15mm	0.206	0.003	0.142	0.214	0.037	0.460	0.562
LTE B26	Ant.2	Front Side 15mm	0.146	0.006	0.130	0.279	0.049	0.480	0.555
	Ant.2	Back Side 15mm	0.181	0.003	0.142	0.214	0.037	0.435	0.537
LTE B26	Ant.3	Front Side 15mm	0.207	0.006	0.130	0.279	0.049	0.541	0.616
	Ant.3	Back Side 15mm	0.233	0.003	0.142	0.214	0.037	0.487	0.589
LTE B66	Ant.2	Front Side 15mm	0.205	0.006	0.130	0.279	0.049	0.539	0.614
	Ant.2	Back Side 15mm	0.204	0.003	0.142	0.214	0.037	0.458	0.560
LTE B66	Ant.3	Front Side 15mm	0.286	0.006	0.130	0.279	0.049	0.620	0.695
	Ant.3	Back Side 15mm	0.314	0.003	0.142	0.214	0.037	0.568	0.670
LTE B38	Ant.2	Front Side 15mm	0.143	0.006	0.130	0.279	0.049	0.477	0.552
	Ant.2	Back Side 15mm	0.143	0.003	0.142	0.214	0.037	0.397	0.499
LTE B38	Ant.3	Front Side 15mm	0.196	0.006	0.130	0.279	0.049	0.530	0.605
	Ant.3	Back Side 15mm	0.170	0.003	0.142	0.214	0.037	0.424	0.526
LTE B41	Ant.2	Front Side 15mm	0.106	0.006	0.130	0.279	0.049	0.440	0.515
	Ant.2	Back Side 15mm	0.123	0.003	0.142	0.214	0.037	0.377	0.479
LTE B41	Ant.3	Front Side 15mm	0.177	0.006	0.130	0.279	0.049	0.511	0.586
	Ant.3	Back Side 15mm	0.154	0.003	0.142	0.214	0.037	0.408	0.510
N5	Ant.2	Front Side 15mm	0.129	0.006	0.130	0.279	0.049	0.463	0.538
	Ant.2	Back Side 15mm	0.156	0.003	0.142	0.214	0.037	0.410	0.512
N5	Ant.3	Front Side 15mm	0.024	0.006	0.130	0.279	0.049	0.358	0.433
	Ant.3	Back Side 15mm	0.025	0.003	0.142	0.214	0.037	0.279	0.381
N7	Ant.2	Front Side 15mm	0.096	0.006	0.130	0.279	0.049	0.430	0.505
	Ant.2	Back Side 15mm	0.110	0.003	0.142	0.214	0.037	0.364	0.466
N7	Ant.3	Front Side 15mm	0.083	0.006	0.130	0.279	0.049	0.417	0.492
	Ant.3	Back Side 15mm	0.132	0.003	0.142	0.214	0.037	0.386	0.488
N12	Ant.2	Front Side 15mm	0.087	0.006	0.130	0.279	0.049	0.421	0.496
	Ant.2	Back Side 15mm	0.110	0.003	0.142	0.214	0.037	0.364	0.466
N12	Ant.3	Front Side 15mm	0.011	0.006	0.130	0.279	0.049	0.345	0.420
	Ant.3	Back Side 15mm	0.013	0.003	0.142	0.214	0.037	0.267	0.369
N13	Ant.2	Front Side 15mm	0.083	0.006	0.130	0.279	0.049	0.417	0.492
	Ant.2	Back Side 15mm	0.131	0.003	0.142	0.214	0.037	0.385	0.487
N13	Ant.3	Front Side 15mm	0.018	0.006	0.130	0.279	0.049	0.352	0.427
	Ant.3	Back Side 15mm	0.020	0.003	0.142	0.214	0.037	0.274	0.376
N26	Ant.2	Front Side 15mm	0.099	0.006	0.130	0.279	0.049	0.433	0.508
	Ant.2	Back Side 15mm	0.143	0.003	0.142	0.214	0.037	0.397	0.499
N26	Ant.3	Front Side 15mm	0.012	0.006	0.130	0.279	0.049	0.346	0.421
	Ant.3	Back Side 15mm	0.071	0.003	0.142	0.214	0.037	0.325	0.427

N38	Ant.2	Front Side 15mm	0.201	0.006	0.130	0.279	0.049	0.535	0.610
	Ant.2	Back Side 15mm	0.239	0.003	0.142	0.214	0.037	0.493	0.595
N38	Ant.3	Front Side 15mm	0.188	0.006	0.130	0.279	0.049	0.522	0.597
	Ant.3	Back Side 15mm	0.384	0.003	0.142	0.214	0.037	0.638	**0.740**
N41	Ant.2	Front Side 15mm	0.130	0.006	0.130	0.279	0.049	0.464	0.539
	Ant.2	Back Side 15mm	0.137	0.003	0.142	0.214	0.037	0.391	0.493
N41	Ant.3	Front Side 15mm	0.080	0.006	0.130	0.279	0.049	0.414	0.489
	Ant.3	Back Side 15mm	0.142	0.003	0.142	0.214	0.037	0.396	0.498
N66	Ant.2	Front Side 15mm	0.214	0.006	0.130	0.279	0.049	0.548	0.623
	Ant.2	Back Side 15mm	0.251	0.003	0.142	0.214	0.037	0.505	0.607
N66	Ant.3	Front Side 15mm	0.224	0.006	0.130	0.279	0.049	0.558	0.633
	Ant.3	Back Side 15mm	0.208	0.003	0.142	0.214	0.037	0.462	0.564

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

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

Band	Antenna	Position	Stand alone SAR					SUM SAR	
			1	2	3	4	5		
			WWAN	2.4G WIFI (Ant.6)	MAX 2.4G WIFI	MAX 5G WIFI	Bluetooth	Sum SAR (1+2+4+5)	Sum SAR (1+3+4)
GSM850	Ant.0	Front Side 10mm	0.219	0.098	0.246	0.504	0.149	0.970	0.969
	Ant.0	Back Side 10mm	0.273	0.103	0.244	0.249	0.156	0.781	0.766
	Ant.0	Right Edge 10mm	0.429	0.007	0.008	0.211	0.038	0.685	0.648
	Ant.0	Top Edge 10mm	0.007	0.009	0.264	0.427	0.188	0.631	0.698
GSM850	Ant.1	Front Side 10mm	0.417	0.098	0.246	0.504	0.149	1.168	1.167
	Ant.1	Back Side 10mm	0.426	0.103	0.244	0.249	0.156	0.934	0.919
	Ant.1	Left Edge 10mm	0.221	0.228	0.263	0.202	0.026	0.677	0.686
	Ant.1	Right Edge 10mm	0.101	0.007	0.008	0.211	0.038	0.357	0.320
	Ant.1	Bottom Edge 10mm	0.343	0.005	0.012	0.015	0.017	0.380	0.370
GSM1900	Ant.3	Front Side 10mm	0.286	0.098	0.246	0.504	0.149	1.037	1.036
	Ant.3	Back Side 10mm	0.276	0.103	0.244	0.249	0.156	0.784	0.769
	Ant.3	Right Edge 10mm	0.054	0.007	0.008	0.211	0.038	0.310	0.273
	Ant.3	Top Edge 10mm	0.412	0.009	0.264	0.427	0.188	1.036	1.103
GSM1900	Ant.4	Front Side 10mm	0.347	0.098	0.246	0.504	0.149	1.098	1.097
	Ant.4	Back Side 10mm	0.530	0.103	0.244	0.249	0.156	1.038	1.023
	Ant.4	Left Edge 10mm	0.170	0.228	0.263	0.202	0.026	0.626	0.635
	Ant.4	Bottom Edge 10mm	0.773	0.005	0.012	0.015	0.017	0.810	0.800
WCDMA B2	Ant.3	Front Side 10mm	0.299	0.098	0.246	0.504	0.149	1.050	1.049
	Ant.3	Back Side 10mm	0.274	0.103	0.244	0.249	0.156	0.782	0.767
	Ant.3	Right Edge 10mm	0.056	0.007	0.008	0.211	0.038	0.312	0.275
	Ant.3	Top Edge 10mm	0.531	0.009	0.264	0.427	0.188	1.155	1.222
WCDMA B2	Ant.4	Front Side 10mm	0.291	0.098	0.246	0.504	0.149	1.042	1.041
	Ant.4	Back Side 10mm	0.408	0.103	0.244	0.249	0.156	0.916	0.901
	Ant.4	Left Edge 10mm	0.251	0.228	0.263	0.202	0.026	0.707	0.716
	Ant.4	Bottom Edge 10mm	0.529	0.005	0.012	0.015	0.017	0.566	0.556
WCDMA B4	Ant.3	Front Side 10mm	0.407	0.098	0.246	0.504	0.149	1.158	1.157
	Ant.3	Back Side 10mm	0.406	0.103	0.244	0.249	0.156	0.914	0.899
	Ant.3	Right Edge 10mm	0.074	0.007	0.008	0.211	0.038	0.330	0.293
	Ant.3	Top Edge 10mm	0.580	0.009	0.264	0.427	0.188	1.204	1.271
WCDMA B4	Ant.4	Front Side 10mm	0.497	0.098	0.246	0.504	0.149	1.248	1.247
	Ant.4	Back Side 10mm	0.560	0.103	0.244	0.249	0.156	1.068	1.053
	Ant.4	Left Edge 10mm	0.295	0.228	0.263	0.202	0.026	0.751	0.760
	Ant.4	Bottom Edge 10mm	0.653	0.005	0.012	0.015	0.017	0.690	0.680
WCDMA B5	Ant.0	Front Side 10mm	0.338	0.098	0.246	0.504	0.149	1.089	1.088
	Ant.0	Back Side 10mm	0.423	0.103	0.244	0.249	0.156	0.931	0.916
	Ant.0	Right Edge 10mm	0.757	0.007	0.008	0.211	0.038	1.013	0.976
	Ant.0	Top Edge 10mm	0.008	0.009	0.264	0.427	0.188	0.632	0.699
WCDMA B5	Ant.1	Front Side 10mm	0.448	0.098	0.246	0.504	0.149	1.199	1.198
	Ant.1	Back Side 10mm	0.578	0.103	0.244	0.249	0.156	1.086	1.071

	Ant.1	Left Edge 10mm	0.264	0.228	0.263	0.202	0.026	0.720	0.729
	Ant.1	Right Edge 10mm	0.130	0.007	0.008	0.211	0.038	0.386	0.349
	Ant.1	Bottom Edge 10mm	0.353	0.005	0.012	0.015	0.017	0.390	0.380
LTE B2	Ant.3	Front Side 10mm	0.329	0.098	0.246	0.504	0.149	1.080	1.079
	Ant.3	Back Side 10mm	0.275	0.103	0.244	0.249	0.156	0.783	0.768
	Ant.3	Right Edge 10mm	0.055	0.007	0.008	0.211	0.038	0.311	0.274
	Ant.3	Top Edge 10mm	0.445	0.009	0.264	0.427	0.188	1.069	1.136
LTE B2	Ant.4	Front Side 10mm	0.261	0.098	0.246	0.504	0.149	1.012	1.011
	Ant.4	Back Side 10mm	0.360	0.103	0.244	0.249	0.156	0.868	0.853
	Ant.4	Left Edge 10mm	0.173	0.228	0.263	0.202	0.026	0.629	0.638
	Ant.4	Bottom Edge 10mm	0.455	0.005	0.012	0.015	0.017	0.492	0.482
LTE B4	Ant.3	Front Side 10mm	0.358	0.098	0.246	0.504	0.149	1.109	1.108
	Ant.3	Back Side 10mm	0.342	0.103	0.244	0.249	0.156	0.850	0.835
	Ant.3	Right Edge 10mm	0.048	0.007	0.008	0.211	0.038	0.304	0.267
	Ant.3	Top Edge 10mm	0.513	0.009	0.264	0.427	0.188	1.137	1.204
LTE B4	Ant.4	Front Side 10mm	0.459	0.098	0.246	0.504	0.149	1.210	1.209
	Ant.4	Back Side 10mm	0.508	0.103	0.244	0.249	0.156	1.016	1.001
	Ant.4	Left Edge 10mm	0.266	0.228	0.263	0.202	0.026	0.722	0.731
	Ant.4	Bottom Edge 10mm	0.682	0.005	0.012	0.015	0.017	0.719	0.709
LTE B5	Ant.0	Front Side 10mm	0.352	0.098	0.246	0.504	0.149	1.103	1.102
	Ant.0	Back Side 10mm	0.437	0.103	0.244	0.249	0.156	0.945	0.930
	Ant.0	Right Edge 10mm	0.760	0.007	0.008	0.211	0.038	1.016	0.979
	Ant.0	Top Edge 10mm	0.009	0.009	0.264	0.427	0.188	0.633	0.700
LTE B5	Ant.1	Front Side 10mm	0.419	0.098	0.246	0.504	0.149	1.170	1.169
	Ant.1	Back Side 10mm	0.544	0.103	0.244	0.249	0.156	1.052	1.037
	Ant.1	Left Edge 10mm	0.247	0.228	0.263	0.202	0.026	0.703	0.712
	Ant.1	Right Edge 10mm	0.122	0.007	0.008	0.211	0.038	0.378	0.341
	Ant.1	Bottom Edge 10mm	0.298	0.005	0.012	0.015	0.017	0.335	0.325
LTE B7	Ant.3	Front Side 10mm	0.158	0.098	0.246	0.504	0.149	0.909	0.908
	Ant.3	Back Side 10mm	0.158	0.103	0.244	0.249	0.156	0.666	0.651
	Ant.3	Right Edge 10mm	0.105	0.007	0.008	0.211	0.038	0.361	0.324
	Ant.3	Top Edge 10mm	0.449	0.009	0.264	0.427	0.188	1.073	1.140
LTE B7	Ant.4	Front Side 10mm	0.198	0.098	0.246	0.504	0.149	0.949	0.948
	Ant.4	Back Side 10mm	0.213	0.103	0.244	0.249	0.156	0.721	0.706
	Ant.4	Left Edge 10mm	0.084	0.228	0.263	0.202	0.026	0.540	0.549
	Ant.4	Bottom Edge 10mm	0.215	0.005	0.012	0.015	0.017	0.252	0.242
LTE B12	Ant.0	Front Side 10mm	0.285	0.098	0.246	0.504	0.149	1.036	1.035
	Ant.0	Back Side 10mm	0.368	0.103	0.244	0.249	0.156	0.876	0.861
	Ant.0	Right Edge 10mm	0.721	0.007	0.008	0.211	0.038	0.977	0.940
	Ant.0	Top Edge 10mm	0.014	0.009	0.264	0.427	0.188	0.638	0.705
LTE B12	Ant.1	Front Side 10mm	0.421	0.098	0.246	0.504	0.149	1.172	1.171
	Ant.1	Back Side 10mm	0.470	0.103	0.244	0.249	0.156	0.978	0.963
	Ant.1	Left Edge 10mm	0.270	0.228	0.263	0.202	0.026	0.726	0.735
	Ant.1	Right Edge 10mm	0.149	0.007	0.008	0.211	0.038	0.405	0.368
	Ant.1	Bottom Edge 10mm	0.276	0.005	0.012	0.015	0.017	0.313	0.303

LTE B13	Ant.0	Front Side 10mm	0.169	0.098	0.246	0.504	0.149	0.920	0.919
	Ant.0	Back Side 10mm	0.214	0.103	0.244	0.249	0.156	0.722	0.707
	Ant.0	Right Edge 10mm	0.413	0.007	0.008	0.211	0.038	0.669	0.632
	Ant.0	Top Edge 10mm	0.011	0.009	0.264	0.427	0.188	0.635	0.702
LTE B13	Ant.1	Front Side 10mm	0.301	0.098	0.246	0.504	0.149	1.052	1.051
	Ant.1	Back Side 10mm	0.347	0.103	0.244	0.249	0.156	0.855	0.840
	Ant.1	Left Edge 10mm	0.140	0.228	0.263	0.202	0.026	0.596	0.605
	Ant.1	Right Edge 10mm	0.078	0.007	0.008	0.211	0.038	0.334	0.297
	Ant.1	Bottom Edge 10mm	0.186	0.005	0.012	0.015	0.017	0.223	0.213
LTE B25	Ant.3	Front Side 10mm	0.271	0.098	0.246	0.504	0.149	1.022	1.021
	Ant.3	Back Side 10mm	0.218	0.103	0.244	0.249	0.156	0.726	0.711
	Ant.3	Right Edge 10mm	0.048	0.007	0.008	0.211	0.038	0.304	0.267
	Ant.3	Top Edge 10mm	0.460	0.009	0.264	0.427	0.188	1.084	1.151
LTE B25	Ant.4	Front Side 10mm	0.254	0.098	0.246	0.504	0.149	1.005	1.004
	Ant.4	Back Side 10mm	0.344	0.103	0.244	0.249	0.156	0.852	0.837
	Ant.4	Left Edge 10mm	0.163	0.228	0.263	0.202	0.026	0.619	0.628
	Ant.4	Bottom Edge 10mm	0.451	0.005	0.012	0.015	0.017	0.488	0.478
LTE B26	Ant.0	Front Side 10mm	0.274	0.098	0.246	0.504	0.149	1.025	1.024
	Ant.0	Back Side 10mm	0.337	0.103	0.244	0.249	0.156	0.845	0.830
	Ant.0	Right Edge 10mm	0.601	0.007	0.008	0.211	0.038	0.857	0.820
	Ant.0	Top Edge 10mm	0.014	0.009	0.264	0.427	0.188	0.638	0.705
LTE B26	Ant.1	Front Side 10mm	0.359	0.098	0.246	0.504	0.149	1.110	1.109
	Ant.1	Back Side 10mm	0.451	0.103	0.244	0.249	0.156	0.959	0.944
	Ant.1	Left Edge 10mm	0.215	0.228	0.263	0.202	0.026	0.671	0.680
	Ant.1	Right Edge 10mm	0.098	0.007	0.008	0.211	0.038	0.354	0.317
	Ant.1	Bottom Edge 10mm	0.266	0.005	0.012	0.015	0.017	0.303	0.293
LTE B66	Ant.3	Front Side 10mm	0.325	0.098	0.246	0.504	0.149	1.076	1.075
	Ant.3	Back Side 10mm	0.308	0.103	0.244	0.249	0.156	0.816	0.801
	Ant.3	Right Edge 10mm	0.060	0.007	0.008	0.211	0.038	0.316	0.279
	Ant.3	Top Edge 10mm	0.468	0.009	0.264	0.427	0.188	1.092	1.159
LTE B66	Ant.4	Front Side 10mm	0.320	0.098	0.246	0.504	0.149	1.071	1.070
	Ant.4	Back Side 10mm	0.358	0.103	0.244	0.249	0.156	0.866	0.851
	Ant.4	Left Edge 10mm	0.193	0.228	0.263	0.202	0.026	0.649	0.658
	Ant.4	Bottom Edge 10mm	0.552	0.005	0.012	0.015	0.017	0.589	0.579
LTE B38	Ant.3	Front Side 10mm	0.211	0.098	0.246	0.504	0.149	0.962	0.961
	Ant.3	Back Side 10mm	0.225	0.103	0.244	0.249	0.156	0.733	0.718
	Ant.3	Right Edge 10mm	0.183	0.007	0.008	0.211	0.038	0.439	0.402
	Ant.3	Top Edge 10mm	0.480	0.009	0.264	0.427	0.188	1.104	1.171
LTE B38	Ant.4	Front Side 10mm	0.373	0.098	0.246	0.504	0.149	1.124	1.123
	Ant.4	Back Side 10mm	0.370	0.103	0.244	0.249	0.156	0.878	0.863
	Ant.4	Left Edge 10mm	0.148	0.228	0.263	0.202	0.026	0.604	0.613
	Ant.4	Bottom Edge 10mm	0.371	0.005	0.012	0.015	0.017	0.408	0.398
LTE B41	Ant.3	Front Side 10mm	0.125	0.098	0.246	0.504	0.149	0.876	0.875
	Ant.3	Back Side 10mm	0.123	0.103	0.244	0.249	0.156	0.631	0.616
	Ant.3	Right Edge 10mm	0.100	0.007	0.008	0.211	0.038	0.356	0.319

	Ant.3	Top Edge 10mm	0.411	0.009	0.264	0.427	0.188	1.035	1.102
LTE B41	Ant.4	Front Side 10mm	0.259	0.098	0.246	0.504	0.149	1.010	1.009
	Ant.4	Back Side 10mm	0.226	0.103	0.244	0.249	0.156	0.734	0.719
	Ant.4	Left Edge 10mm	0.105	0.228	0.263	0.202	0.026	0.561	0.570
	Ant.4	Bottom Edge 10mm	0.252	0.005	0.012	0.015	0.017	0.289	0.279
N5	Ant.0	Front Side 10mm	0.179	0.098	0.246	0.504	0.149	0.930	0.929
	Ant.0	Back Side 10mm	0.213	0.103	0.244	0.249	0.156	0.721	0.706
	Ant.0	Right Edge 10mm	0.378	0.007	0.008	0.211	0.038	0.634	0.597
	Ant.0	Top Edge 10mm	0.009	0.009	0.264	0.427	0.188	0.633	0.700
N5	Ant.1	Front Side 10mm	0.072	0.098	0.246	0.504	0.149	0.823	0.822
	Ant.1	Back Side 10mm	0.092	0.103	0.244	0.249	0.156	0.600	0.585
	Ant.1	Left Edge 10mm	0.008	0.228	0.263	0.202	0.026	0.464	0.473
	Ant.1	Right Edge 10mm	0.008	0.007	0.008	0.211	0.038	0.264	0.227
	Ant.1	Bottom Edge 10mm	0.207	0.005	0.012	0.015	0.017	0.244	0.234
N7	Ant.4	Front Side 10mm	0.166	0.098	0.246	0.504	0.149	0.917	0.916
	Ant.4	Back Side 10mm	0.167	0.103	0.244	0.249	0.156	0.675	0.660
	Ant.4	Right Edge 10mm	0.115	0.007	0.008	0.211	0.038	0.371	0.334
	Ant.4	Top Edge 10mm	0.451	0.009	0.264	0.427	0.188	1.075	1.142
N7	Ant.4	Front Side 10mm	0.146	0.098	0.246	0.504	0.149	0.897	0.896
	Ant.4	Back Side 10mm	0.298	0.103	0.244	0.249	0.156	0.806	0.791
	Ant.4	Left Edge 10mm	0.071	0.228	0.263	0.202	0.026	0.527	0.536
	Ant.4	Bottom Edge 10mm	0.155	0.005	0.012	0.015	0.017	0.192	0.182
N12	Ant.0	Front Side 10mm	0.137	0.098	0.246	0.504	0.149	0.888	0.887
	Ant.0	Back Side 10mm	0.163	0.103	0.244	0.249	0.156	0.671	0.656
	Ant.0	Right Edge 10mm	0.312	0.007	0.008	0.211	0.038	0.568	0.531
	Ant.0	Top Edge 10mm	0.009	0.009	0.264	0.427	0.188	0.633	0.700
N12	Ant.1	Front Side 10mm	0.036	0.098	0.246	0.504	0.149	0.787	0.786
	Ant.1	Back Side 10mm	0.047	0.103	0.244	0.249	0.156	0.555	0.540
	Ant.1	Left Edge 10mm	0.011	0.228	0.263	0.202	0.026	0.467	0.476
	Ant.1	Right Edge 10mm	0.009	0.007	0.008	0.211	0.038	0.265	0.228
	Ant.1	Bottom Edge 10mm	0.132	0.005	0.012	0.015	0.017	0.169	0.159
N13	Ant.0	Front Side 10mm	0.160	0.098	0.246	0.504	0.149	0.911	0.910
	Ant.0	Back Side 10mm	0.186	0.103	0.244	0.249	0.156	0.694	0.679
	Ant.0	Right Edge 10mm	0.324	0.007	0.008	0.211	0.038	0.580	0.543
	Ant.0	Top Edge 10mm	0.024	0.009	0.264	0.427	0.188	0.648	0.715
N13	Ant.1	Front Side 10mm	0.020	0.098	0.246	0.504	0.149	0.771	0.770
	Ant.1	Back Side 10mm	0.099	0.103	0.244	0.249	0.156	0.607	0.592
	Ant.1	Left Edge 10mm	0.020	0.228	0.263	0.202	0.026	0.476	0.485
	Ant.1	Right Edge 10mm	0.018	0.007	0.008	0.211	0.038	0.274	0.237
	Ant.1	Bottom Edge 10mm	0.152	0.005	0.012	0.015	0.017	0.189	0.179
N26	Ant.0	Front Side 10mm	0.240	0.098	0.246	0.504	0.149	0.991	0.990
	Ant.0	Back Side 10mm	0.286	0.103	0.244	0.249	0.156	0.794	0.779
	Ant.0	Right Edge 10mm	0.467	0.007	0.008	0.211	0.038	0.723	0.686
	Ant.0	Top Edge 10mm	0.011	0.009	0.264	0.427	0.188	0.635	0.702
N26	Ant.1	Front Side 10mm	0.077	0.098	0.246	0.504	0.149	0.828	0.827

	Ant.1	Back Side 10mm	0.122	0.103	0.244	0.249	0.156	0.630	0.615
	Ant.1	Left Edge 10mm	0.016	0.228	0.263	0.202	0.026	0.472	0.481
	Ant.1	Bottom Edge 10mm	0.198	0.005	0.012	0.015	0.017	0.235	0.225
N38	Ant.3	Front Side 10mm	0.317	0.098	0.246	0.504	0.149	1.068	1.067
	Ant.3	Back Side 10mm	0.334	0.103	0.244	0.249	0.156	0.842	0.827
	Ant.3	Right Edge 10mm	0.307	0.007	0.008	0.211	0.038	0.563	0.526
	Ant.3	Top Edge 10mm	0.882	0.009	0.264	0.427	0.188	1.506	**1.573**
N38	Ant.4	Front Side 10mm	0.295	0.098	0.246	0.504	0.149	1.046	1.045
	Ant.4	Back Side 10mm	0.677	0.103	0.244	0.249	0.156	1.185	1.170
	Ant.4	Left Edge 10mm	0.596	0.228	0.263	0.202	0.026	1.052	1.061
	Ant.4	Bottom Edge 10mm	0.387	0.005	0.012	0.015	0.017	0.424	0.414
N41	Ant.3	Front Side 10mm	0.241	0.098	0.246	0.504	0.149	0.992	0.991
	Ant.3	Back Side 10mm	0.249	0.103	0.244	0.249	0.156	0.757	0.742
	Ant.3	Right Edge 10mm	0.281	0.007	0.008	0.211	0.038	0.537	0.500
	Ant.3	Top Edge 10mm	0.536	0.009	0.264	0.427	0.188	1.160	1.227
N41	Ant.4	Front Side 10mm	0.150	0.098	0.246	0.504	0.149	0.901	0.900
	Ant.4	Back Side 10mm	0.266	0.103	0.244	0.249	0.156	0.774	0.759
	Ant.4	Left Edge 10mm	0.061	0.228	0.263	0.202	0.026	0.517	0.526
	Ant.4	Bottom Edge 10mm	0.180	0.005	0.012	0.015	0.017	0.217	0.207
N66	Ant.3	Front Side 10mm	0.391	0.098	0.246	0.504	0.149	1.142	1.141
	Ant.3	Back Side 10mm	0.348	0.103	0.244	0.249	0.156	0.856	0.841
	Ant.3	Right Edge 10mm	0.090	0.007	0.008	0.211	0.038	0.346	0.309
	Ant.3	Top Edge 10mm	0.592	0.009	0.264	0.427	0.188	1.216	1.283
N66	Ant.4	Front Side 10mm	0.328	0.098	0.246	0.504	0.149	1.079	1.078
	Ant.4	Back Side 10mm	0.337	0.103	0.244	0.249	0.156	0.845	0.830
	Ant.4	Left Edge 10mm	0.178	0.228	0.263	0.202	0.026	0.634	0.643
	Ant.4	Bottom Edge 10mm	0.591	0.005	0.012	0.015	0.017	0.628	0.618

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.

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

EN-DC Configuratoin	LTE Ant.	NR Ant.	Position	Stand alone SAR							SUM SAR	
				/	/	1	2	3	4	5		
				LTE SAR (W/Kg)	NR SAR (W/Kg)	ENDC	2.4G WIFI (Ant.6)	MAX 2.4G WIFI	MAX 5G WIFI	Bluetooth	Sum SAR (1+2+4+5)	Sum SAR (1+3+4)
DC_7A_n5A	Ant.3	Ant.0	Left Cheek	0.245	0.244	0.489	0.094	0.187	0.101	0.116	0.800	0.634
			Left Tilt	0.334	0.012	0.346	0.006	0.126	0.078	0.103	0.533	0.624
			Right Cheek	0.304	0.116	0.420	0.009	0.070	0.284	0.093	0.806	0.794
			Right Tilt	0.431	0.009	0.440	0.007	0.067	0.168	0.085	0.700	0.500
DC_7A_n5A	Ant.3	Ant.1	Left Cheek	0.245	0.020	0.265	0.094	0.187	0.101	0.116	0.576	0.634
			Left Tilt	0.334	0.012	0.346	0.006	0.126	0.078	0.103	0.533	0.527
			Right Cheek	0.304	0.019	0.323	0.009	0.070	0.284	0.093	0.709	0.793
			Right Tilt	0.431	0.008	0.439	0.007	0.067	0.168	0.085	0.699	0.771
DC_7A_n5A	Ant.6	Ant.0	Left Cheek	0.292	0.244	0.536	0.094	0.187	0.101	0.116	0.847	0.454
			Left Tilt	0.154	0.012	0.166	0.006	0.126	0.078	0.103	0.353	0.409
			Right Cheek	0.089	0.116	0.205	0.009	0.070	0.284	0.093	0.591	0.427
			Right Tilt	0.064	0.009	0.073	0.007	0.067	0.168	0.085	0.333	0.547
DC_7A_n5A	Ant.6	Ant.1	Left Cheek	0.292	0.020	0.312	0.094	0.187	0.101	0.116	0.623	0.454
			Left Tilt	0.154	0.012	0.166	0.006	0.126	0.078	0.103	0.353	0.312
			Right Cheek	0.089	0.019	0.108	0.009	0.070	0.284	0.093	0.494	0.426
			Right Tilt	0.064	0.008	0.072	0.007	0.067	0.168	0.085	0.332	0.815
DC_5A_n7A	Ant.0	Ant.3	Left Cheek	0.323	0.257	0.580	0.094	0.187	0.101	0.116	0.891	0.680
			Left Tilt	0.043	0.349	0.392	0.006	0.126	0.078	0.103	0.579	0.671
			Right Cheek	0.151	0.316	0.467	0.009	0.070	0.284	0.093	0.853	0.757
			Right Tilt	0.019	0.384	0.403	0.007	0.067	0.168	0.085	0.663	0.787
DC_5A_n7A	Ant.0	Ant.6	Left Cheek	0.323	0.229	0.552	0.094	0.187	0.101	0.116	0.863	0.423
			Left Tilt	0.043	0.092	0.135	0.006	0.126	0.078	0.103	0.322	0.428
			Right Cheek	0.151	0.073	0.224	0.009	0.070	0.284	0.093	0.610	0.424
			Right Tilt	0.019	0.051	0.070	0.007	0.067	0.168	0.085	0.330	0.527
DC_5A_n7A	Ant.1	Ant.3	Left Cheek	0.035	0.257	0.292	0.094	0.187	0.101	0.116	0.603	0.656
			Left Tilt	0.019	0.349	0.368	0.006	0.126	0.078	0.103	0.555	0.536
			Right Cheek	0.016	0.316	0.332	0.009	0.070	0.284	0.093	0.718	0.753
			Right Tilt	0.015	0.384	0.399	0.007	0.067	0.168	0.085	0.659	0.499
DC_5A_n7A	Ant.1	Ant.6	Left Cheek	0.035	0.229	0.264	0.094	0.187	0.101	0.116	0.575	0.399
			Left Tilt	0.019	0.092	0.111	0.006	0.126	0.078	0.103	0.298	0.293
			Right Cheek	0.016	0.073	0.089	0.009	0.070	0.284	0.093	0.475	0.420
			Right Tilt	0.015	0.051	0.066	0.007	0.067	0.168	0.085	0.326	0.571
DC_66A_n7A	Ant.4	Ant.3	Left Cheek	0.079	0.257	0.336	0.094	0.187	0.101	0.116	0.647	0.727
			Left Tilt	0.090	0.349	0.439	0.006	0.126	0.078	0.103	0.626	0.623
			Right Cheek	0.103	0.316	0.419	0.009	0.070	0.284	0.093	0.805	0.812
			Right Tilt	0.074	0.384	0.458	0.007	0.067	0.168	0.085	0.718	0.543
DC_66A_n7A	Ant.4	Ant.6	Left Cheek	0.079	0.229	0.308	0.094	0.187	0.101	0.116	0.619	0.470
			Left Tilt	0.090	0.092	0.182	0.006	0.126	0.078	0.103	0.369	0.380

			Right Cheek	0.103	0.073	0.176	0.009	0.070	0.284	0.093	0.562	0.479
			Right Tilt	0.074	0.051	0.125	0.007	0.067	0.168	0.085	0.385	0.614
DC_66A_n7A	Ant.5	Ant.3	Left Cheek	0.122	0.257	0.379	0.094	0.187	0.101	0.116	0.690	0.694
			Left Tilt	0.057	0.349	0.406	0.006	0.126	0.078	0.103	0.593	0.827
			Right Cheek	0.307	0.316	0.623	0.009	0.070	0.284	0.093	1.009	0.863
			Right Tilt	0.125	0.384	0.509	0.007	0.067	0.168	0.085	0.769	0.586
DC_66A_n7A	Ant.5	Ant.6	Left Cheek	0.122	0.229	0.351	0.094	0.187	0.101	0.116	0.662	0.437
			Left Tilt	0.057	0.092	0.149	0.006	0.126	0.078	0.103	0.336	0.584
			Right Cheek	0.307	0.073	0.380	0.009	0.070	0.284	0.093	0.766	0.530
			Right Tilt	0.125	0.051	0.176	0.007	0.067	0.168	0.085	0.436	0.535
DC_25A_n41A	Ant.3	Ant.5	Left Cheek	0.198	0.102	0.300	0.094	0.187	0.101	0.116	0.611	0.589
			Left Tilt	0.237	0.064	0.301	0.006	0.126	0.078	0.103	0.488	0.938
			Right Cheek	0.325	0.409	0.734	0.009	0.070	0.284	0.093	**1.120**	0.899
			Right Tilt	0.352	0.193	0.545	0.007	0.067	0.168	0.085	0.805	0.448
DC_25A_n41A	Ant.4	Ant.5	Left Cheek	0.111	0.102	0.213	0.094	0.187	0.101	0.116	0.524	0.446
			Left Tilt	0.094	0.064	0.158	0.006	0.126	0.078	0.103	0.345	0.734
			Right Cheek	0.121	0.409	0.530	0.009	0.070	0.284	0.093	0.916	0.660
			Right Tilt	0.113	0.193	0.306	0.007	0.067	0.168	0.085	0.566	0.814
DC_26A_n41A	Ant.0	Ant.5	Left Cheek	0.477	0.102	0.579	0.094	0.187	0.101	0.116	0.890	0.415
			Left Tilt	0.063	0.064	0.127	0.006	0.126	0.078	0.103	0.314	0.826
			Right Cheek	0.213	0.409	0.622	0.009	0.070	0.284	0.093	1.008	0.593
			Right Tilt	0.046	0.193	0.239	0.007	0.067	0.168	0.085	0.499	0.473
DC_26A_n41A	Ant.1	Ant.5	Left Cheek	0.136	0.102	0.238	0.094	0.187	0.101	0.116	0.549	0.439
			Left Tilt	0.087	0.064	0.151	0.006	0.126	0.078	0.103	0.338	0.807
			Right Cheek	0.194	0.409	0.603	0.009	0.070	0.284	0.093	0.989	0.657
			Right Tilt	0.110	0.193	0.303	0.007	0.067	0.168	0.085	0.563	0.675
DC_7A_n66A	Ant.4	Ant.3	Left Cheek	0.167	0.273	0.440	0.094	0.187	0.101	0.116	0.751	0.708
			Left Tilt	0.110	0.310	0.420	0.006	0.126	0.078	0.103	0.607	0.821
			Right Cheek	0.245	0.372	0.617	0.009	0.070	0.284	0.093	1.003	0.828
			Right Tilt	0.069	0.405	0.474	0.007	0.067	0.168	0.085	0.734	0.669
DC_7A_n66A	Ant.4	Ant.6	Left Cheek	0.167	0.267	0.434	0.094	0.187	0.101	0.116	0.745	0.483
			Left Tilt	0.110	0.085	0.195	0.006	0.126	0.078	0.103	0.382	0.514
			Right Cheek	0.245	0.065	0.310	0.009	0.070	0.284	0.093	0.696	0.438
			Right Tilt	0.069	0.015	0.084	0.007	0.067	0.168	0.085	0.344	0.579
DC_7A_n66A	Ant.5	Ant.3	Left Cheek	0.071	0.273	0.344	0.094	0.187	0.101	0.116	0.655	0.642
			Left Tilt	0.044	0.310	0.354	0.006	0.126	0.078	0.103	0.541	0.869
			Right Cheek	0.293	0.372	0.665	0.009	0.070	0.284	0.093	1.051	0.890
			Right Tilt	0.131	0.405	0.536	0.007	0.067	0.168	0.085	0.796	0.573
DC_7A_n66A	Ant.5	Ant.6	Left Cheek	0.071	0.267	0.338	0.094	0.187	0.101	0.116	0.649	0.417
			Left Tilt	0.044	0.085	0.129	0.006	0.126	0.078	0.103	0.316	0.562
			Right Cheek	0.293	0.065	0.358	0.009	0.070	0.284	0.093	0.744	0.500
			Right Tilt	0.131	0.015	0.146	0.007	0.067	0.168	0.085	0.406	0.235

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

12.2.18 Body-worn Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN and Bluetooth

EN-DC Configuratoin	LTE Ant.	NR Ant.	Position	Stand alone SAR							SUM SAR	
				/	/	1	2	3	4	5		
				LTE SAR (W/Kg)	NR SAR (W/Kg)	ENDC	2.4G WIFI (Ant.6)	MAX 2.4G WIFI	MAX 5G WIFI	Bluetooth	Sum SAR (1+2+4+5)	Sum SAR (1+3+4)
DC_7A_n5A	Ant.3	Ant.0	Front Side 15mm	0.045	0.129	0.174	0.006	0.130	0.279	0.049	0.508	0.583
			Back Side 15mm	0.051	0.156	0.207	0.003	0.142	0.214	0.037	0.461	0.563
DC_7A_n5A	Ant.3	Ant.1	Front Side 15mm	0.045	0.004	0.049	0.006	0.130	0.279	0.049	0.383	0.458
			Back Side 15mm	0.051	0.006	0.057	0.003	0.142	0.214	0.037	0.311	0.413
DC_7A_n5A	Ant.6	Ant.0	Front Side 15mm	0.024	0.129	0.153	0.006	0.130	0.279	0.049	0.487	0.562
			Back Side 15mm	0.030	0.156	0.186	0.003	0.142	0.214	0.037	0.440	0.542
DC_7A_n5A	Ant.6	Ant.1	Front Side 15mm	0.024	0.004	0.028	0.006	0.130	0.279	0.049	0.362	0.437
			Back Side 15mm	0.030	0.006	0.036	0.003	0.142	0.214	0.037	0.290	0.392
DC_5A_n7A	Ant.0	Ant.3	Front Side 15mm	0.148	0.105	0.253	0.006	0.130	0.279	0.049	0.587	0.662
			Back Side 15mm	0.174	0.119	0.293	0.003	0.142	0.214	0.037	0.547	0.649
DC_5A_n7A	Ant.0	Ant.6	Front Side 15mm	0.148	0.010	0.158	0.006	0.130	0.279	0.049	0.492	0.567
			Back Side 15mm	0.174	0.050	0.224	0.003	0.142	0.214	0.037	0.478	0.580
DC_5A_n7A	Ant.1	Ant.3	Front Side 15mm	0.019	0.105	0.124	0.006	0.130	0.279	0.049	0.458	0.533
			Back Side 15mm	0.022	0.119	0.141	0.003	0.142	0.214	0.037	0.395	0.497
DC_5A_n7A	Ant.1	Ant.6	Front Side 15mm	0.019	0.010	0.029	0.006	0.130	0.279	0.049	0.363	0.438
			Back Side 15mm	0.022	0.050	0.072	0.003	0.142	0.214	0.037	0.326	0.428
DC_66A_n7A	Ant.4	Ant.3	Front Side 15mm	0.163	0.105	0.268	0.006	0.130	0.279	0.049	0.602	0.677
			Back Side 15mm	0.228	0.119	0.347	0.003	0.142	0.214	0.037	0.601	**0.703**
DC_66A_n7A	Ant.4	Ant.6	Front Side 15mm	0.163	0.010	0.173	0.006	0.130	0.279	0.049	0.507	0.582
			Back Side 15mm	0.228	0.050	0.278	0.003	0.142	0.214	0.037	0.532	0.634
DC_66A_n7A	Ant.5	Ant.3	Front Side 15mm	0.134	0.105	0.239	0.006	0.130	0.279	0.049	0.573	0.648
			Back Side 15mm	0.183	0.119	0.302	0.003	0.142	0.214	0.037	0.556	0.658
DC_66A_n7A	Ant.5	Ant.6	Front Side 15mm	0.134	0.010	0.144	0.006	0.130	0.279	0.049	0.478	0.553
			Back Side 15mm	0.183	0.050	0.233	0.003	0.142	0.214	0.037	0.487	0.589
DC_25A_n41A	Ant.3	Ant.5	Front Side 15mm	0.122	0.081	0.203	0.006	0.130	0.279	0.049	0.537	0.612
			Back Side 15mm	0.128	0.098	0.226	0.003	0.142	0.214	0.037	0.480	0.582
DC_25A_n41A	Ant.4	Ant.5	Front Side 15mm	0.166	0.081	0.247	0.006	0.130	0.279	0.049	0.581	0.656
			Back Side 15mm	0.198	0.098	0.296	0.003	0.142	0.214	0.037	0.550	0.652
DC_26A_n41A	Ant.0	Ant.5	Front Side 15mm	0.093	0.081	0.174	0.006	0.130	0.279	0.049	0.508	0.583
			Back Side 15mm	0.116	0.098	0.214	0.003	0.142	0.214	0.037	0.468	0.570
DC_26A_n41A	Ant.1	Ant.5	Front Side 15mm	0.207	0.081	0.288	0.006	0.130	0.279	0.049	0.622	0.697
			Back Side 15mm	0.233	0.098	0.331	0.003	0.142	0.214	0.037	0.585	0.687
DC_7A_n66A	Ant.4	Ant.3	Front Side 15mm	0.023	0.093	0.116	0.006	0.130	0.279	0.049	0.450	0.525
			Back Side 15mm	0.060	0.100	0.160	0.003	0.142	0.214	0.037	0.414	0.516

DC_7A_n66A	Ant.4	Ant.6	Front Side 15mm	0.023	0.050	0.073	0.006	0.130	0.279	0.049	0.407	0.482
			Back Side 15mm	0.060	0.060	0.120	0.003	0.142	0.214	0.037	0.374	0.476
DC_7A_n66A	Ant.5	Ant.3	Front Side 15mm	0.038	0.093	0.131	0.006	0.130	0.279	0.049	0.465	0.540
			Back Side 15mm	0.049	0.100	0.149	0.003	0.142	0.214	0.037	0.403	0.505
DC_7A_n66A	Ant.5	Ant.6	Front Side 15mm	0.038	0.050	0.088	0.006	0.130	0.279	0.049	0.422	0.497
			Back Side 15mm	0.049	0.060	0.109	0.003	0.142	0.214	0.037	0.363	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 0.703 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

EN-DC Configuratoin	LTE Ant.	NR Ant.	Position	Stand alone SAR							SUM SAR	
				/	/	1	2	3	4	5		
				LTE SAR (W/Kg)	NR SAR (W/Kg)	ENDC	2.4G WIFI (Ant.6)	MAX 2.4G WIFI	MAX 5G WIFI	Bluetooth	Sum SAR (1+2+4+5)	Sum SAR (1+3+4)
DC_7A_n5A	Ant.3	Ant.0	Front Side 10mm	0.130	0.179	0.309	0.098	0.246	0.504	0.149	1.060	1.059
			Back Side 10mm	0.130	0.213	0.343	0.103	0.244	0.249	0.156	0.851	0.836
			Left Edge 10mm	0.000	0.000	0.000	0.228	0.263	0.202	0.026	0.456	0.465
			Right Edge 10mm	0.087	0.378	0.465	0.007	0.008	0.211	0.038	0.721	0.684
			Top Edge 10mm	0.355	0.009	0.364	0.009	0.264	0.427	0.188	0.988	1.055
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.012	0.015	0.017	0.037	0.027
DC_7A_n5A	Ant.3	Ant.1	Front Side 10mm	0.130	0.047	0.177	0.098	0.246	0.504	0.149	0.928	0.927
			Back Side 10mm	0.130	0.078	0.208	0.103	0.244	0.249	0.156	0.716	0.701
			Left Edge 10mm	0.000	0.088	0.088	0.228	0.263	0.202	0.026	0.544	0.553
			Right Edge 10mm	0.087	0.010	0.097	0.007	0.008	0.211	0.038	0.353	0.316
			Top Edge 10mm	0.355	0.000	0.355	0.009	0.264	0.427	0.188	0.979	1.046
			Bottom Edge 10mm	0.000	0.127	0.127	0.005	0.012	0.015	0.017	0.164	0.154
DC_7A_n5A	Ant.6	Ant.0	Front Side 10mm	0.074	0.179	0.253	0.098	0.246	0.504	0.149	1.004	1.003
			Back Side 10mm	0.089	0.213	0.302	0.103	0.244	0.249	0.156	0.810	0.795
			Left Edge 10mm	0.166	0.000	0.166	0.228	0.263	0.202	0.026	0.622	0.631
			Right Edge 10mm	0.000	0.378	0.378	0.007	0.008	0.211	0.038	0.634	0.597
			Top Edge 10mm	0.032	0.009	0.041	0.009	0.264	0.427	0.188	0.665	0.732
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.012	0.015	0.017	0.037	0.027
DC_7A_n5A	Ant.6	Ant.1	Front Side 10mm	0.074	0.047	0.121	0.098	0.246	0.504	0.149	0.872	0.871
			Back Side 10mm	0.089	0.078	0.167	0.103	0.244	0.249	0.156	0.675	0.660
			Left Edge 10mm	0.166	0.088	0.254	0.228	0.263	0.202	0.026	0.710	0.719
			Right Edge 10mm	0.000	0.010	0.010	0.007	0.008	0.211	0.038	0.266	0.229
			Top Edge 10mm	0.032	0.000	0.032	0.009	0.264	0.427	0.188	0.656	0.723
			Bottom Edge 10mm	0.000	0.127	0.127	0.005	0.012	0.015	0.017	0.164	0.154
DC_5A_n7A	Ant.0	Ant.3	Front Side 10mm	0.304	0.158	0.462	0.098	0.246	0.504	0.149	1.213	1.212
			Back Side 10mm	0.372	0.153	0.525	0.103	0.244	0.249	0.156	1.033	1.018
			Left Edge 10mm	0.000	0.000	0.000	0.228	0.263	0.202	0.026	0.456	0.465
			Right Edge 10mm	0.541	0.109	0.650	0.007	0.008	0.211	0.038	0.906	0.869
			Top Edge 10mm	0.009	0.365	0.374	0.009	0.264	0.427	0.188	0.998	1.065
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.012	0.015	0.017	0.037	0.027
DC_5A_n7A	Ant.0	Ant.6	Front Side 10mm	0.304	0.063	0.367	0.098	0.246	0.504	0.149	1.118	1.117
			Back Side 10mm	0.372	0.076	0.448	0.103	0.244	0.249	0.156	0.956	0.941
			Left Edge 10mm	0.000	0.176	0.176	0.228	0.263	0.202	0.026	0.632	0.641
			Right Edge 10mm	0.541	0.000	0.541	0.007	0.008	0.211	0.038	0.797	0.760
			Top Edge 10mm	0.009	0.010	0.019	0.009	0.264	0.427	0.188	0.643	0.710
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.012	0.015	0.017	0.037	0.027
DC_5A_n7A	Ant.1	Ant.3	Front Side 10mm	0.049	0.158	0.207	0.098	0.246	0.504	0.149	0.958	0.957

			Back Side 10mm	0.079	0.153	0.232	0.103	0.244	0.249	0.156	0.740	0.725
			Left Edge 10mm	0.013	0.000	0.013	0.228	0.263	0.202	0.026	0.469	0.478
			Right Edge 10mm	0.012	0.109	0.121	0.007	0.008	0.211	0.038	0.377	0.340
			Top Edge 10mm	0.000	0.365	0.365	0.009	0.264	0.427	0.188	0.989	1.056
			Bottom Edge 10mm	0.148	0.000	0.148	0.005	0.012	0.015	0.017	0.185	0.175
DC_5A_n7A	Ant.1	Ant.6	Front Side 10mm	0.049	0.063	0.112	0.098	0.246	0.504	0.149	0.863	0.862
			Back Side 10mm	0.079	0.076	0.155	0.103	0.244	0.249	0.156	0.663	0.648
			Left Edge 10mm	0.013	0.176	0.189	0.228	0.263	0.202	0.026	0.645	0.654
			Right Edge 10mm	0.012	0.000	0.012	0.007	0.008	0.211	0.038	0.268	0.231
			Top Edge 10mm	0.000	0.010	0.010	0.009	0.264	0.427	0.188	0.634	0.701
			Bottom Edge 10mm	0.148	0.000	0.148	0.005	0.012	0.015	0.017	0.185	0.175
DC_66A_n7A	Ant.4	Ant.3	Front Side 10mm	0.233	0.158	0.391	0.098	0.246	0.504	0.149	1.142	1.141
			Back Side 10mm	0.268	0.153	0.421	0.103	0.244	0.249	0.156	0.929	0.914
			Left Edge 10mm	0.128	0.000	0.128	0.228	0.263	0.202	0.026	0.584	0.593
			Right Edge 10mm	0.000	0.109	0.109	0.007	0.008	0.211	0.038	0.365	0.328
			Top Edge 10mm	0.460	0.365	0.825	0.009	0.264	0.427	0.188	1.449	**1.516**
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.012	0.015	0.017	0.037	0.027
DC_66A_n7A	Ant.4	Ant.6	Front Side 10mm	0.233	0.063	0.296	0.098	0.246	0.504	0.149	1.047	1.046
			Back Side 10mm	0.268	0.076	0.344	0.103	0.244	0.249	0.156	0.852	0.837
			Left Edge 10mm	0.128	0.176	0.304	0.228	0.263	0.202	0.026	0.760	0.769
			Right Edge 10mm	0.000	0.000	0.000	0.007	0.008	0.211	0.038	0.256	0.219
			Top Edge 10mm	0.460	0.010	0.470	0.009	0.264	0.427	0.188	1.094	1.161
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.012	0.015	0.017	0.037	0.027
DC_66A_n7A	Ant.5	Ant.3	Front Side 10mm	0.195	0.158	0.353	0.098	0.246	0.504	0.149	1.104	1.103
			Back Side 10mm	0.281	0.153	0.434	0.103	0.244	0.249	0.156	0.942	0.927
			Left Edge 10mm	0.000	0.000	0.000	0.228	0.263	0.202	0.026	0.456	0.465
			Right Edge 10mm	0.358	0.109	0.467	0.007	0.008	0.211	0.038	0.723	0.686
			Top Edge 10mm	0.012	0.365	0.377	0.009	0.264	0.427	0.188	1.001	1.068
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.012	0.015	0.017	0.037	0.027
DC_66A_n7A	Ant.5	Ant.6	Front Side 10mm	0.195	0.063	0.258	0.098	0.246	0.504	0.149	1.009	1.008
			Back Side 10mm	0.281	0.076	0.357	0.103	0.244	0.249	0.156	0.865	0.850
			Left Edge 10mm	0.000	0.176	0.176	0.228	0.263	0.202	0.026	0.632	0.641
			Right Edge 10mm	0.358	0.000	0.358	0.007	0.008	0.211	0.038	0.614	0.577
			Top Edge 10mm	0.012	0.010	0.022	0.009	0.264	0.427	0.188	0.646	0.713
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.012	0.015	0.017	0.037	0.027
DC_25A_n41A	Ant.3	Ant.5	Front Side 10mm	0.256	0.129	0.385	0.098	0.246	0.504	0.149	1.136	1.135
			Back Side 10mm	0.207	0.169	0.376	0.103	0.244	0.249	0.156	0.884	0.869
			Left Edge 10mm	0.000	0.000	0.000	0.228	0.263	0.202	0.026	0.456	0.465
			Right Edge 10mm	0.044	0.412	0.456	0.007	0.008	0.211	0.038	0.712	0.675
			Top Edge 10mm	0.386	0.012	0.398	0.009	0.264	0.427	0.188	1.022	1.089
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.012	0.015	0.017	0.037	0.027
DC_25A_n41A	Ant.4	Ant.5	Front Side 10mm	0.278	0.129	0.407	0.098	0.246	0.504	0.149	1.158	1.157
			Back Side 10mm	0.378	0.169	0.547	0.103	0.244	0.249	0.156	1.055	1.040
			Left Edge 10mm	0.179	0.000	0.179	0.228	0.263	0.202	0.026	0.635	0.644
			Right Edge 10mm	0.000	0.412	0.412	0.007	0.008	0.211	0.038	0.668	0.631

			Top Edge 10mm	0.000	0.012	0.012	0.009	0.264	0.427	0.188	0.636	0.703
			Bottom Edge 10mm	0.452	0.000	0.452	0.005	0.012	0.015	0.017	0.489	0.479
DC_26A_n41A	Ant.0	Ant.5	Front Side 10mm	0.164	0.129	0.293	0.098	0.246	0.504	0.149	1.044	1.043
			Back Side 10mm	0.202	0.169	0.371	0.103	0.244	0.249	0.156	0.879	0.864
			Left Edge 10mm	0.000	0.000	0.000	0.228	0.263	0.202	0.026	0.456	0.465
			Right Edge 10mm	0.360	0.412	0.772	0.007	0.008	0.211	0.038	1.028	0.991
			Top Edge 10mm	0.008	0.012	0.020	0.009	0.264	0.427	0.188	0.644	0.711
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.012	0.015	0.017	0.037	0.027
DC_26A_n41A	Ant.1	Ant.5	Front Side 10mm	0.359	0.129	0.488	0.098	0.246	0.504	0.149	1.239	1.238
			Back Side 10mm	0.451	0.169	0.620	0.103	0.244	0.249	0.156	1.128	1.113
			Left Edge 10mm	0.215	0.000	0.215	0.228	0.263	0.202	0.026	0.671	0.680
			Right Edge 10mm	0.098	0.412	0.510	0.007	0.008	0.211	0.038	0.766	0.729
			Top Edge 10mm	0.000	0.012	0.012	0.009	0.264	0.427	0.188	0.636	0.703
			Bottom Edge 10mm	0.266	0.000	0.266	0.005	0.012	0.015	0.017	0.303	0.293
DC_7A_n66A	Ant.4	Ant.3	Front Side 10mm	0.072	0.168	0.240	0.098	0.246	0.504	0.149	0.991	0.990
			Back Side 10mm	0.174	0.150	0.324	0.103	0.244	0.249	0.156	0.832	0.817
			Left Edge 10mm	0.017	0.000	0.017	0.228	0.263	0.202	0.026	0.473	0.482
			Right Edge 10mm	0.000	0.013	0.013	0.007	0.008	0.211	0.038	0.269	0.232
			Top Edge 10mm	0.000	0.252	0.252	0.009	0.264	0.427	0.188	0.876	0.943
			Bottom Edge 10mm	0.088	0.000	0.088	0.005	0.012	0.015	0.017	0.125	0.115
DC_7A_n66A	Ant.4	Ant.6	Front Side 10mm	0.072	0.083	0.155	0.098	0.246	0.504	0.149	0.906	0.905
			Back Side 10mm	0.174	0.087	0.261	0.103	0.244	0.249	0.156	0.769	0.754
			Left Edge 10mm	0.017	0.216	0.233	0.228	0.263	0.202	0.026	0.689	0.698
			Right Edge 10mm	0.000	0.000	0.000	0.007	0.008	0.211	0.038	0.256	0.219
			Top Edge 10mm	0.000	0.072	0.072	0.009	0.264	0.427	0.188	0.696	0.763
			Bottom Edge 10mm	0.088	0.000	0.088	0.005	0.012	0.015	0.017	0.125	0.115
DC_7A_n66A	Ant.5	Ant.3	Front Side 10mm	0.116	0.168	0.284	0.098	0.246	0.504	0.149	1.035	1.034
			Back Side 10mm	0.157	0.150	0.307	0.103	0.244	0.249	0.156	0.815	0.800
			Left Edge 10mm	0.000	0.000	0.000	0.228	0.263	0.202	0.026	0.456	0.465
			Right Edge 10mm	0.305	0.013	0.318	0.007	0.008	0.211	0.038	0.574	0.537
			Top Edge 10mm	0.009	0.252	0.261	0.009	0.264	0.427	0.188	0.885	0.952
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.012	0.015	0.017	0.037	0.027
DC_7A_n66A	Ant.5	Ant.6	Front Side 10mm	0.116	0.083	0.199	0.098	0.246	0.504	0.149	0.950	0.949
			Back Side 10mm	0.157	0.087	0.244	0.103	0.244	0.249	0.156	0.752	0.737
			Left Edge 10mm	0.000	0.216	0.216	0.228	0.263	0.202	0.026	0.672	0.681
			Right Edge 10mm	0.305	0.000	0.305	0.007	0.008	0.211	0.038	0.561	0.524
			Top Edge 10mm	0.009	0.072	0.081	0.009	0.264	0.427	0.188	0.705	0.772
			Bottom Edge 10mm	0.000	0.000	0.000	0.005	0.012	0.015	0.017	0.037	0.027

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

12.2.20 Head Simultaneous Transmission SAR Evaluation for WLAN2.4G or 5G and Bluetooth

Position	Stand alone SAR			SUM SAR	
	1	2	3		
	2.4G WIFI (Ant.6)	MAX 5G WIFI	Bluetooth	Sum SAR (1+3)	Sum SAR (2+3)
Left Cheek	0.369	0.229	0.350	**0.719**	0.579
Left Tilt	0.133	0.221	0.299	0.432	0.520
Right Cheek	0.108	0.284	0.258	0.366	0.542
Right Tilt	0.059	0.168	0.238	0.297	0.406

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

12.2.21 Body-worn Simultaneous Transmission SAR Evaluation for WLAN2.4G or 5G and Bluetooth

Position	Stand alone SAR			SUM SAR	
	1	2	3		
	2.4G WIFI (Ant.6)	MAX 5G WIFI	Bluetooth	Sum SAR (1+3)	Sum SAR (2+3)
Front Side 15mm	0.006	0.279	0.049	0.055	**0.328**
Back Side 15mm	0.003	0.214	0.037	0.040	0.251

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

12.2.22 Hotspot Simultaneous Transmission SAR Evaluation for WLAN2.4G or 5G and Bluetooth

Position	Stand alone SAR			SUM SAR	
	1	2	3		
	2.4G WIFI (Ant.6)	MAX 5G WIFI	Bluetooth	Sum SAR (1+3)	Sum SAR (2+3)
Front Side 10mm	0.098	0.504	0.149	0.247	**0.653**
Back Side 10mm	0.103	0.249	0.156	0.259	0.405
Left Edge 10mm	0.228	0.202	0.026	0.254	0.228
Right Edge 10mm	0.007	0.211	0.038	0.045	0.249
Top Edge 10mm	0.264	0.427	0.188	0.452	0.615
Bottom Edge 10mm	0.012	0.015	0.017	0.029	0.032

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

12.2.23 Head Simultaneous Transmission SAR Evaluation for WLAN and Bluetooth

Position	Stand alone SAR			SUM SAR	
	1	2	3		
	2.4G WIFI (Ant.6)	MAX 5G WIFI	Bluetooth	Sum SAR (1+3)	Sum SAR (2+3)
Left Cheek	0.186	0.190	0.222	0.376	**0.598**
Left Tilt	0.067	0.166	0.191	0.233	0.424
Right Cheek	0.052	0.284	0.163	0.336	0.499
Right Tilt	0.007	0.168	0.151	0.175	0.326

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

12.2.24 Body-worn Simultaneous Transmission SAR Evaluation for WLAN and Bluetooth

Position	Stand alone SAR			SUM SAR	
	1	2	3		
	2.4G WIFI (Ant.6)	MAX 5G WIFI	Bluetooth	Sum SAR (1+3)	Sum SAR (2+3)
Front Side 15mm	0.006	0.279	0.049	0.285	**0.334**
Back Side 15mm	0.003	0.214	0.037	0.217	0.254

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

12.2.25 Hotspot Simultaneous Transmission SAR Evaluation for WLAN and Bluetooth

Position	Stand alone SAR			SUM SAR	
	1	2	3		
	2.4G WIFI (Ant.6)	MAX 5G WIFI	Bluetooth	Sum SAR (1+3)	Sum SAR (2+3)
Front Side 10mm	0.098	0.504	0.149	0.602	**0.751**
Back Side 10mm	0.103	0.249	0.156	0.352	0.508
Left Edge 10mm	0.228	0.202	0.026	0.430	0.456
Right Edge 10mm	0.007	0.211	0.038	0.218	0.256
Top Edge 10mm	0.009	0.427	0.188	0.436	0.624
Bottom Edge 10mm	0.005	0.015	0.017	0.020	0.037

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

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1201	2020/11/11	2023/11/10
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2021/05/17	2024/05/16
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2021/05/17	2024/05/16
1900MHz Validation Dipole	Speag	D1900V2	SN: 5d193	2021/05/20	2024/05/19
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2021/05/19	2024/05/18
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2021/05/19	2024/05/18
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2021/05/18	2024/05/17
E-Field Probe	Speag	EX3DV4	SN: 3717	2021/06/07	2022/06/06
Data Acquisition Electronics	Speag	DAE4	SN: 1226	2021/05/17	2022/05/16
Signal Generator	R&S	SMB100A	177746	2021/08/24	2022/08/23
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2021/09/08	2022/09/07
Power Sensor	R&S	NRV-Z4	100381	2021/09/08	2022/09/07
Power Sensor	R&S	NRV-Z2	100211	2021/09/08	2022/09/07
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2021/03/16	2022/03/15
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2021/03/16	2022/03/15
Network Analyzer	Agilent	E5071B	MY42404001	2021/04/01	2022/03/31
Thermometer	Elitech	RC-4HC	EF720B004820	2020/12/24	2021/12/23
Thermometer	Elitech	RC-4HC	EF720B004819	2021/11/29	2022/11/30
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	SATIMO	SCLMP	SN 25/13 OCPG56	N/A	N/A
Phantom	Speag	SAM	SN: 1857	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

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

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

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

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

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2021.09.30	Head	750	21.4	0.91	41.67	0.89	41.94	2.25	-0.64
2021.10.04	Head	750	21.3	0.91	41.72	0.89	41.94	2.25	-0.52
2021.10.22	Head	750	21.3	0.91	41.67	0.89	41.94	2.25	-0.64
2021.10.23	Head	750	21.6	0.90	41.70	0.89	41.94	1.12	-0.57
2021.10.24	Head	835	21.3	0.90	41.78	0.90	41.50	0.00	0.67
2021.10.07	Head	835	21.4	0.90	41.85	0.90	41.50	0.00	0.84
2021.10.13	Head	835	21.5	0.90	41.81	0.90	41.50	0.00	0.75
2021.10.18	Head	835	21.2	0.90	41.90	0.90	41.50	0.00	0.96
2021.10.14	Head	835	21.3	0.90	41.90	0.90	41.50	0.00	0.96
2021.10.31	Head	835	21.2	0.90	41.94	0.90	41.50	0.00	1.06
2021.10.19	Head	835	21.5	0.90	41.91	0.90	41.50	0.00	0.99
2021.10.17	Head	1750	21.5	1.38	40.00	1.37	40.08	0.73	-0.20
2021.10.12	Head	1750	21.3	1.38	40.19	1.37	40.08	0.73	0.27
2021.10.08	Head	1750	21.2	1.38	40.12	1.37	40.08	0.73	0.10
2021.11.01	Head	1750	21.3	1.38	40.16	1.37	40.08	0.73	0.20
2021.10.25	Head	1750	21.4	1.38	40.05	1.37	40.08	0.73	-0.07
2021.10.26	Head	1750	21.2	1.37	40.13	1.37	40.08	0.00	0.12
2021.10.06	Head	1900	21.3	1.40	39.94	1.40	40.00	0.00	-0.15
2021.10.15	Head	1900	21.5	1.40	39.94	1.40	40.00	0.00	-0.15
2021.10.16	Head	1900	21.6	1.40	39.89	1.40	40.00	0.00	-0.27
2021.10.11	Head	1900	21.1	1.40	39.80	1.40	40.00	0.00	-0.50
2021.12.12	Head	2450	21.6	1.80	39.64	1.80	39.20	0.00	1.12
2021.12.13	Head	2450	21.5	1.80	39.56	1.80	39.20	0.00	0.92
2021.10.20	Head	2600	21.4	1.99	38.53	1.96	39.01	1.53	-1.23
2021.10.21	Head	2600	21.4	1.98	38.45	1.96	39.01	1.02	-1.44
2021.12.29	Head	2600	21.2	1.97	38.48	1.96	39.01	0.51	-1.36
2021.10.27	Head	2600	21.2	1.99	38.39	1.96	39.01	1.53	-1.59
2021.10.28	Head	2600	21.5	1.99	38.59	1.96	39.01	1.53	-1.08
2021.10.29	Head	2600	21.2	1.99	38.47	1.96	39.01	1.53	-1.38
2021.10.30	Head	2600	21.5	1.99	38.53	1.96	39.01	1.53	-1.23
2021.10.13	Head	2600	21.5	1.97	38.47	1.96	39.01	0.51	-1.38
2021.10.09	Head	2600	21.6	1.97	38.60	1.96	39.01	0.51	-1.05
2021.10.10	Head	2600	21.3	1.97	38.41	1.96	39.01	0.51	-1.54
2021.11.03	Head	5250	21.6	4.70	35.86	4.71	35.93	-0.21	-0.19
2021.11.06	Head	5250	21.4	4.70	35.79	4.71	35.93	-0.21	-0.39

2021.11.04	Head	5600	21.2	4.96	35.27	5.07	35.53	-2.17	-0.73
2021.11.07	Head	5600	21.3	5.05	35.27	5.07	35.53	-0.39	-0.73
2021.11.05	Head	5750	21.1	5.17	35.44	5.22	35.36	-0.96	0.23
2021.11.08	Head	5750	21.3	5.17	35.59	5.22	35.36	-0.96	0.65
Note: The tolerance limit of Conductivity and Permittivity is± 5%.									

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2021.09.30	Head	750	100	0.859	8.59	8.29	3.62
2021.10.04	Head	750	100	0.852	8.52	8.29	2.77
2021.10.22	Head	750	100	0.865	8.65	8.29	4.34
2021.10.23	Head	750	100	0.844	8.44	8.29	1.81
2021.10.24	Head	835	100	0.965	9.65	9.76	-1.13
2021.10.07	Head	835	100	0.949	9.49	9.76	-2.77
2021.10.13	Head	835	100	0.997	9.97	9.76	2.15
2021.10.18	Head	835	100	0.972	9.72	9.76	-0.41
2021.10.14	Head	835	100	0.979	9.79	9.76	0.31
2021.10.31	Head	835	100	0.988	9.88	9.76	1.23
2021.10.19	Head	835	100	0.946	9.46	9.76	-3.07
2021.10.17	Head	1750	100	3.540	35.40	36.70	-3.54
2021.10.12	Head	1750	100	3.620	36.20	36.70	-1.36
2021.10.08	Head	1750	100	3.780	37.80	36.70	3.00
2021.11.01	Head	1750	100	3.690	36.90	36.70	0.54
2021.10.25	Head	1750	100	3.820	38.20	36.70	4.09
2021.10.26	Head	1750	100	3.510	35.10	36.70	-4.36
2021.10.06	Head	1900	100	3.970	39.70	40.30	-1.49
2021.10.15	Head	1900	100	3.910	39.10	40.30	-2.98
2021.10.16	Head	1900	100	4.040	40.40	40.30	0.25
2021.10.11	Head	1900	100	4.140	41.40	40.30	2.73
2021.12.12	Head	2450	100	5.330	53.30	53.00	0.57
2021.12.13	Head	2450	100	5.170	51.70	53.00	-2.45
2021.10.20	Head	2600	100	5.720	57.20	56.80	0.70
2021.10.21	Head	2600	100	5.820	58.20	56.80	2.46
2021.12.29	Head	2600	100	5.610	56.10	56.80	-1.23
2021.10.27	Head	2600	100	5.630	56.30	56.80	-0.88
2021.10.28	Head	2600	100	5.510	55.10	56.80	-2.99
2021.10.29	Head	2600	100	5.460	54.60	56.80	-3.87
2021.10.30	Head	2600	100	5.750	57.50	56.80	1.23
2021.10.13	Head	2600	100	5.690	56.90	56.80	0.18
2021.10.09	Head	2600	100	5.790	57.90	56.80	1.94
2021.10.10	Head	2600	100	5.560	55.60	56.80	-2.11
2021.11.03	Head	5250	100	7.790	77.90	77.80	0.13
2021.11.06	Head	5250	100	7.980	79.80	77.80	2.57
2021.11.04	Head	5600	100	8.090	80.90	81.20	-0.37
2021.11.07	Head	5600	100	8.110	81.10	81.20	-0.12

2021.11.05	Head	5750	100	7.920	79.20	77.20	2.59
2021.11.08	Head	5750	100	7.840	78.40	77.20	1.55
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2021.10.17	Head	1750	100	1.850	18.50	19.10	-3.14
2021.10.12	Head	1750	100	1.880	18.80	19.10	-1.57
2021.10.26	Head	1750	100	1.840	18.40	19.10	-3.66
2021.10.13	Head	2600	100	2.510	25.10	24.80	1.21
2021.10.20	Head	2600	100	2.490	24.90	24.80	0.40
2021.10.21	Head	2600	100	2.540	25.40	24.80	2.42
2021.12.29	Head	2600	100	2.450	24.50	24.80	-1.21
2021.10.28	Head	2600	100	2.410	24.10	24.80	-2.82
2021.11.06	Head	5250	100	2.290	22.90	22.10	3.62
2021.11.07	Head	5600	100	2.360	23.60	23.10	2.16
Note: The tolerance limit of System validation ±10%.							

System Performance Check Data (750MHz)

Date: 2021.09.30

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.909 S/m; ε_r = 41.673; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

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

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

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

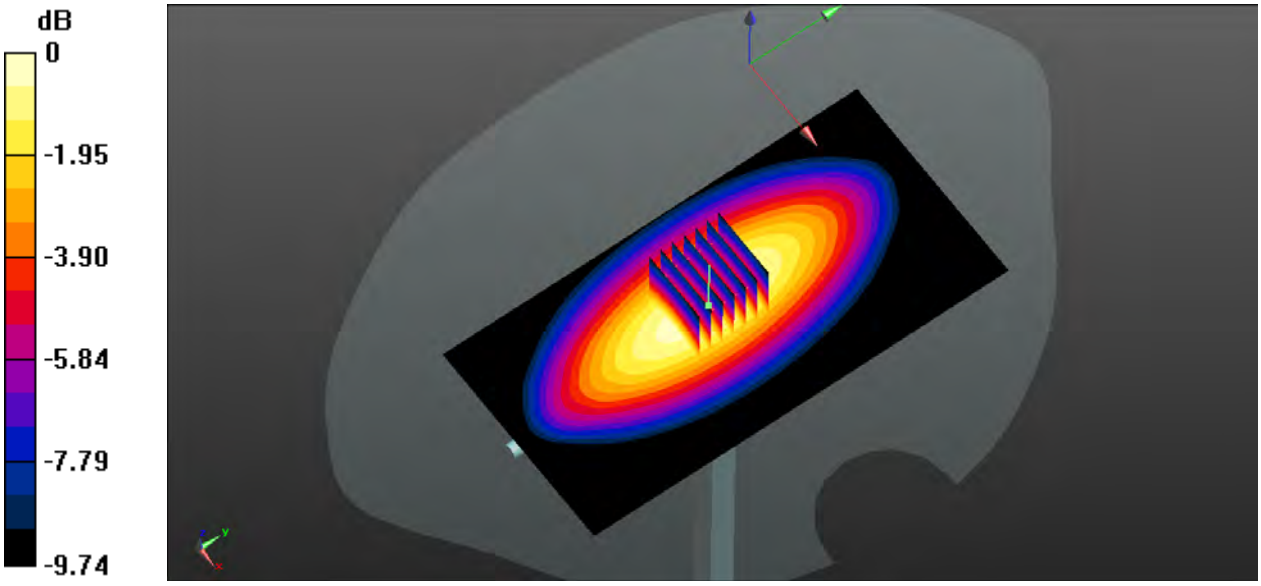
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.859 W/kg; SAR(10 g) = 0.561 W/kg

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



0 dB = 0.911 W/kg

System Performance Check Data (750MHz)

Date: 2021.10.04

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.908 S/m; ε_r = 41.722; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

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

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

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

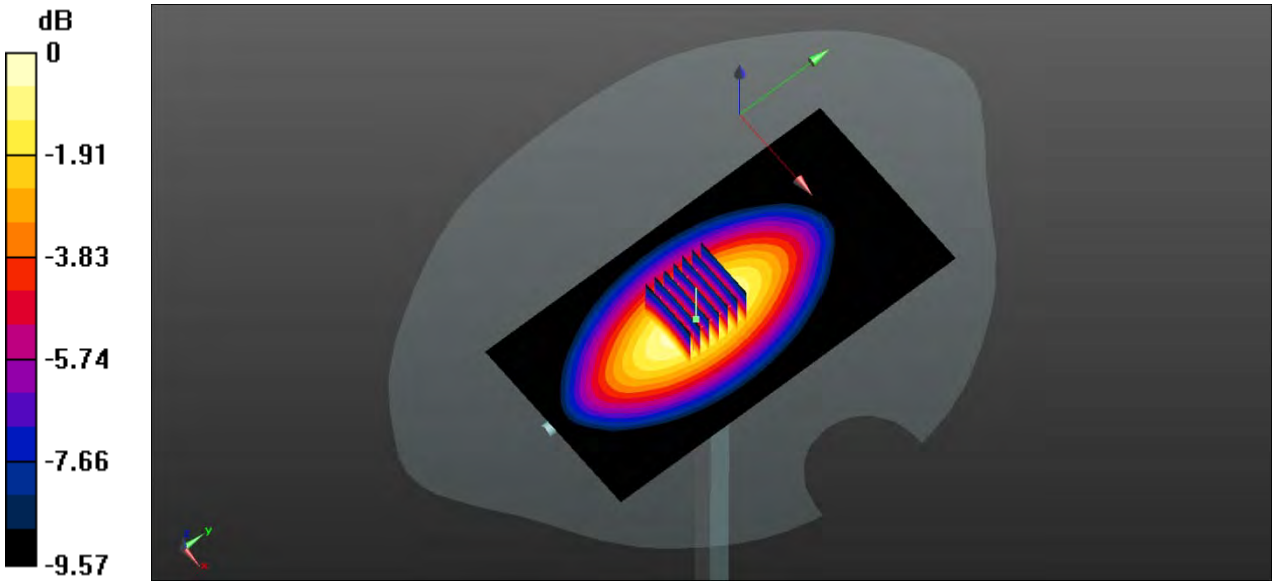
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.852 W/kg; SAR(10 g) = 0.556 W/kg

Maximum value of SAR (measured) = 0.854 W/kg



0 dB = 0.854 W/kg

System Performance Check Data (750MHz)

Date: 2021.10.22

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.911 S/m; ε_r = 41.673; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

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

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

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

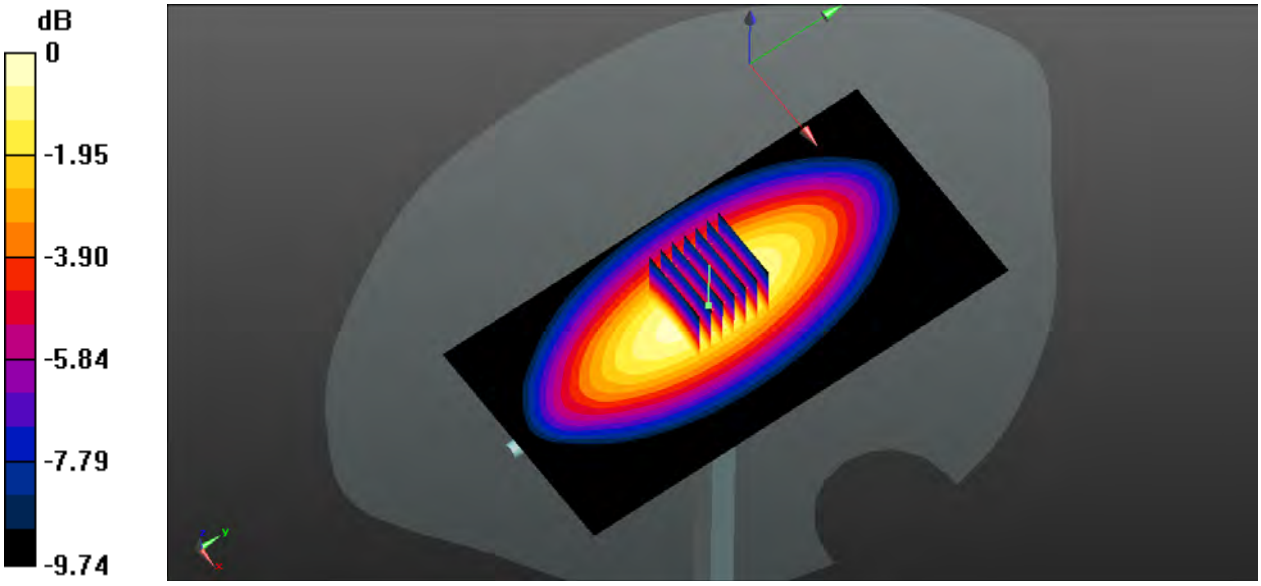
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.865 W/kg; SAR(10 g) = 0.564 W/kg

Maximum value of SAR (measured) = 0.913 W/kg



0 dB = 0.913 W/kg

System Performance Check Data (750MHz)

Date: 2021.10.23

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.903 S/m; ε_r = 41.702; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.6

DASY5 Configuration:

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

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

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

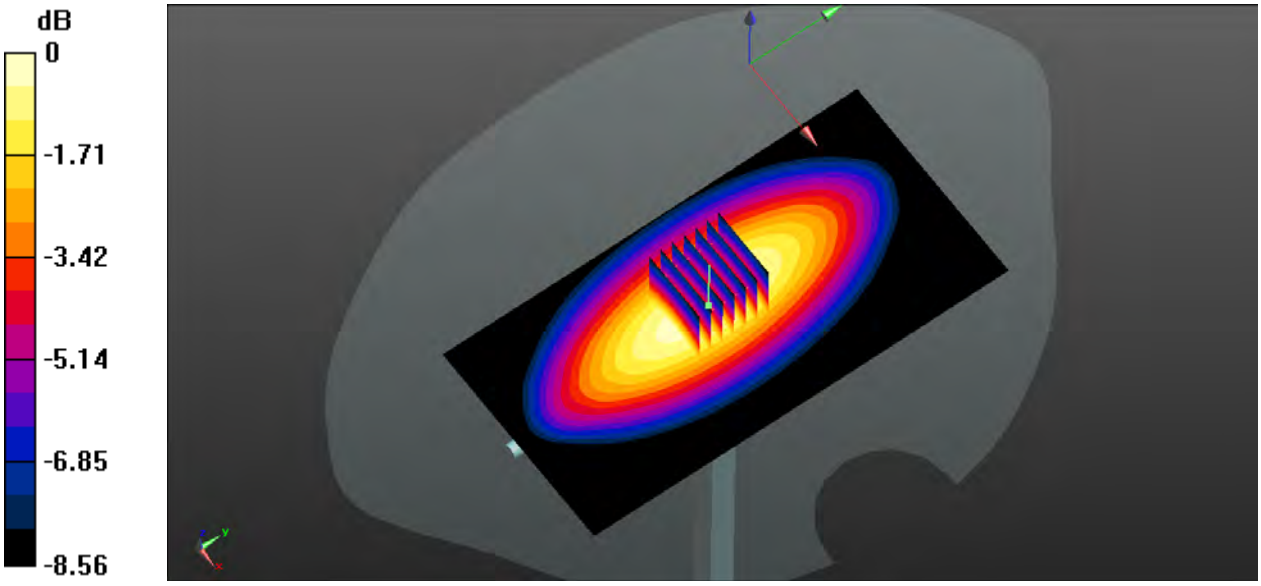
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.554 W/kg

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



0 dB = 0.882 W/kg

System Performance Check Data (835MHz)

Date: 2021.10.24

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

Medium parameters used: f = 835 MHz; σ = 0.895 S/m; ε_r = 41.777; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.975 W/kg

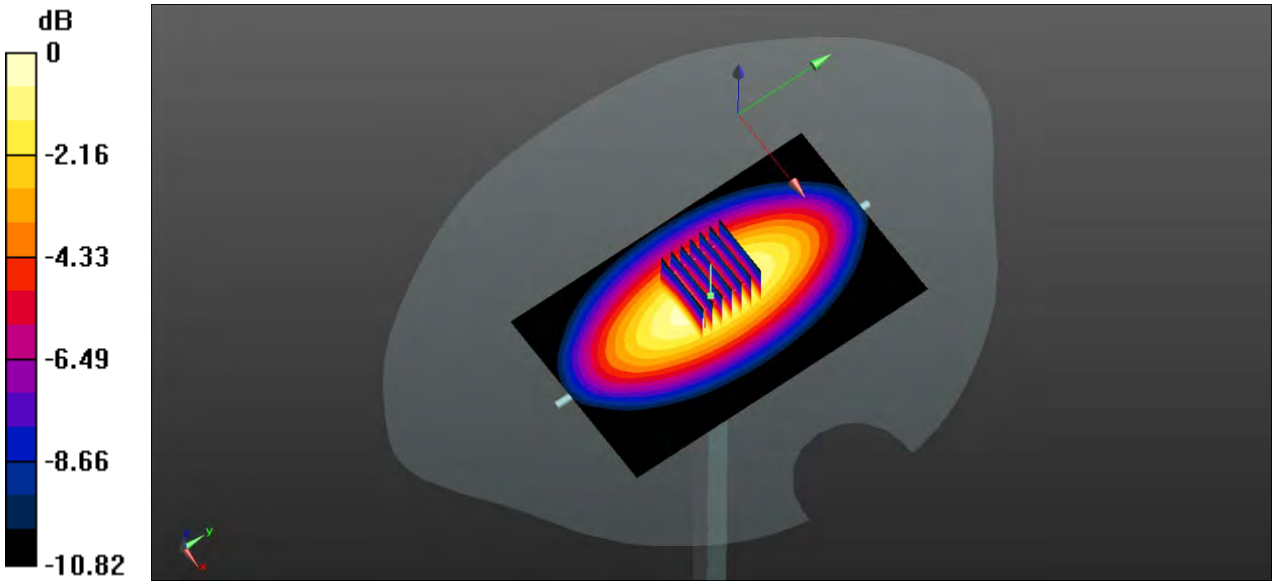
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.85 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.965 W/kg; SAR(10 g) = 0.627 W/kg

Maximum value of SAR (measured) = 0.995 W/kg



0 dB = 0.995 W/kg

System Performance Check Data (835MHz)

Date: 2021.10.07

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

Medium parameters used: f = 835 MHz; σ = 0.896 S/m; ε_r = 41.851; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.0 Liquid Temperature:21.4

DASY5 Configuration:

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

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

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

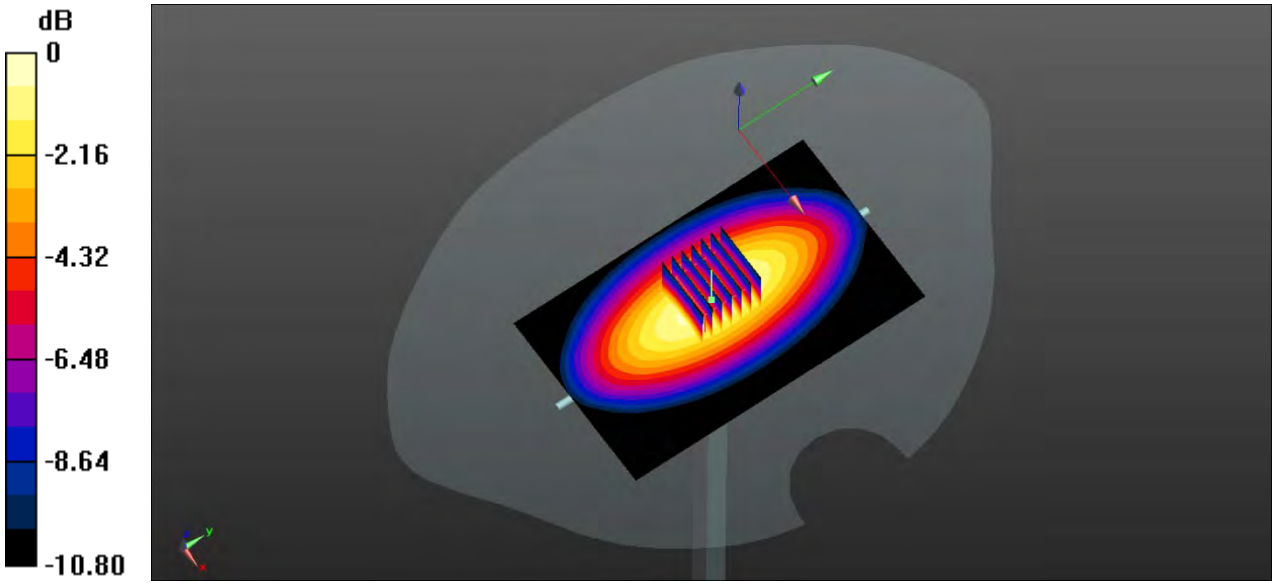
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.949 W/kg; SAR(10 g) = 0.618 W/kg

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



0 dB = 1.01 W/kg

System Performance Check Data (835MHz)

Date: 2021.10.13

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

Medium parameters used: f = 835 MHz; σ = 0.903 S/m; ε_r = 41.809; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

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

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

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

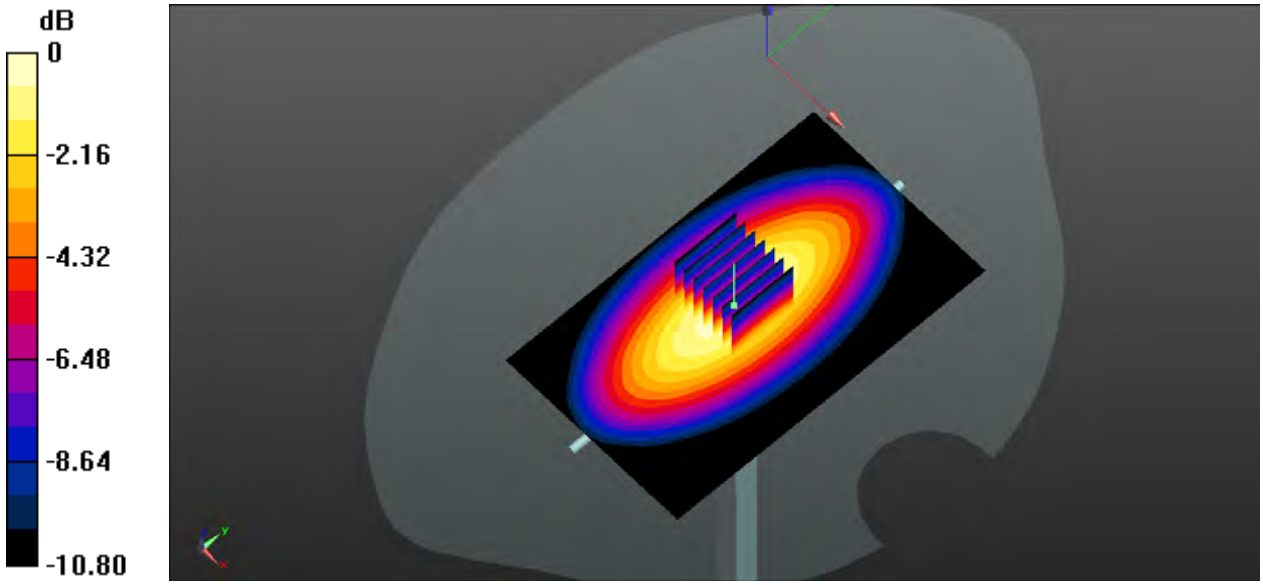
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.997 W/kg; SAR(10 g) = 0.643 W/kg

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



0 dB = 1.03 W/kg

System Performance Check Data (835MHz)

Date: 2021.10.18

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

Medium parameters used: f = 835 MHz; σ = 0.897 S/m; ε_r = 41.899; ρ = 1000 kg/m^3

Phantom section: Flat Section

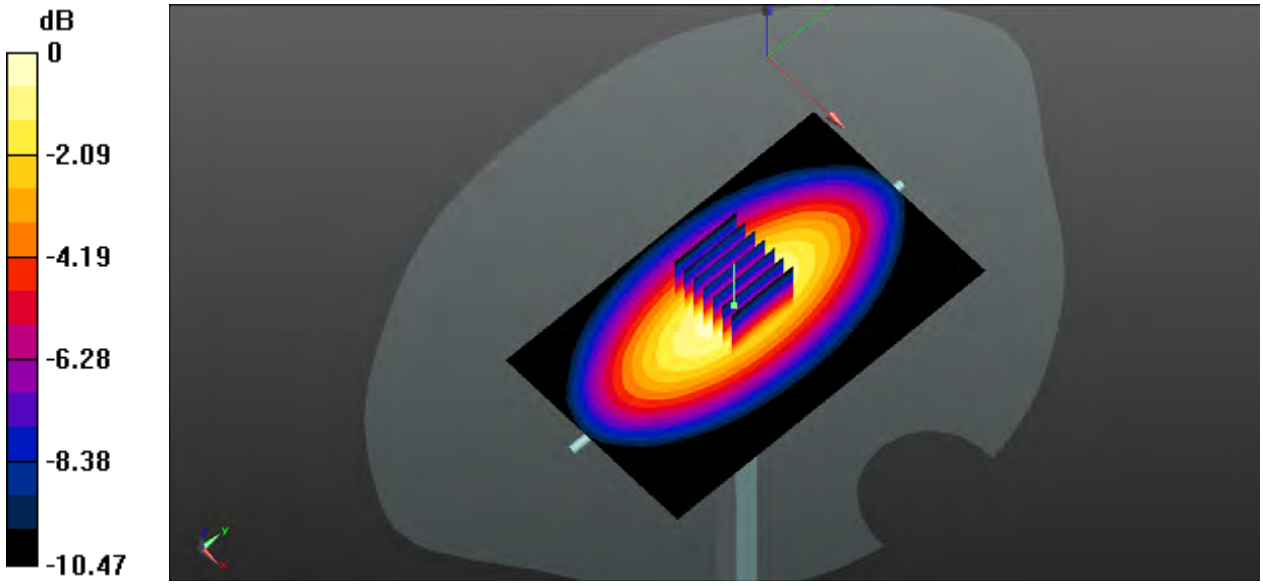
Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

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

CW 835 100mW/Area Scan (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) = 0.972 W/kg; SAR(10 g) = 0.631 W/kg
Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg

System Performance Check Data (835MHz)

Date: 2021.10.14

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

Medium parameters used: f = 835 MHz; σ = 0.896 S/m; ε_r = 41.903; ρ = 1000 kg/m^3

Phantom section: Flat Section

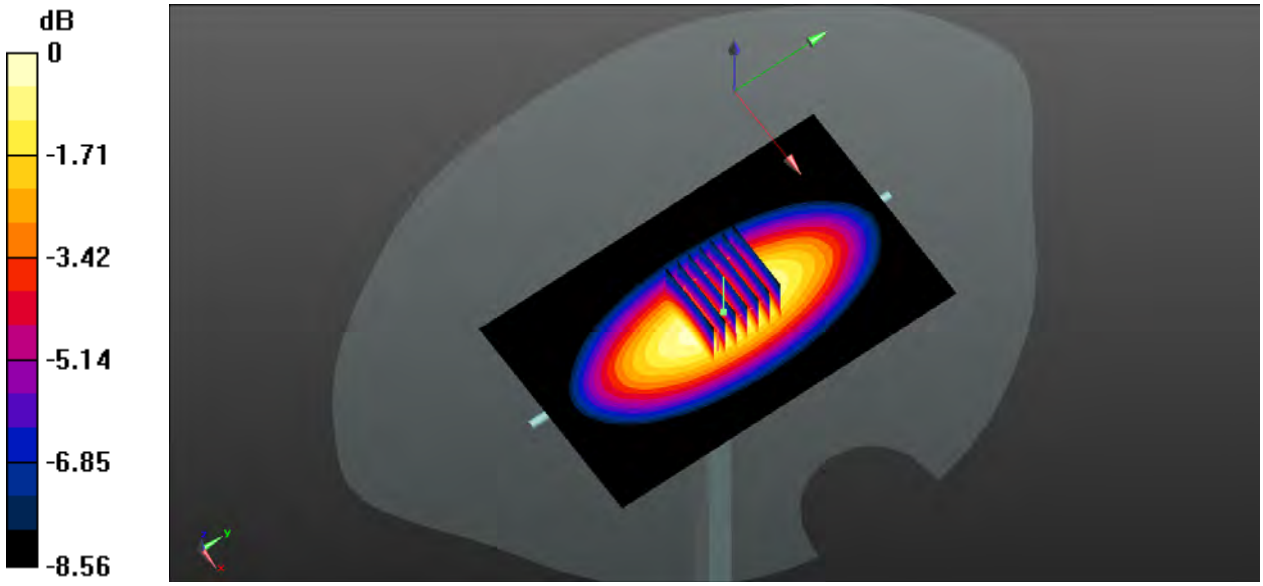
Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

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

CW 835 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.977 W/kg

CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31.04 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.979 W/kg; SAR(10 g) = 0.635 W/kg
Maximum value of SAR (measured) = 0.996 W/kg



0 dB = 0.996 W/kg

System Performance Check Data (835MHz)

Date: 2021.10.31

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

Medium parameters used: f = 835 MHz; σ = 0.899 S/m; ε_r = 41.941; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

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

CW835 HEAD 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

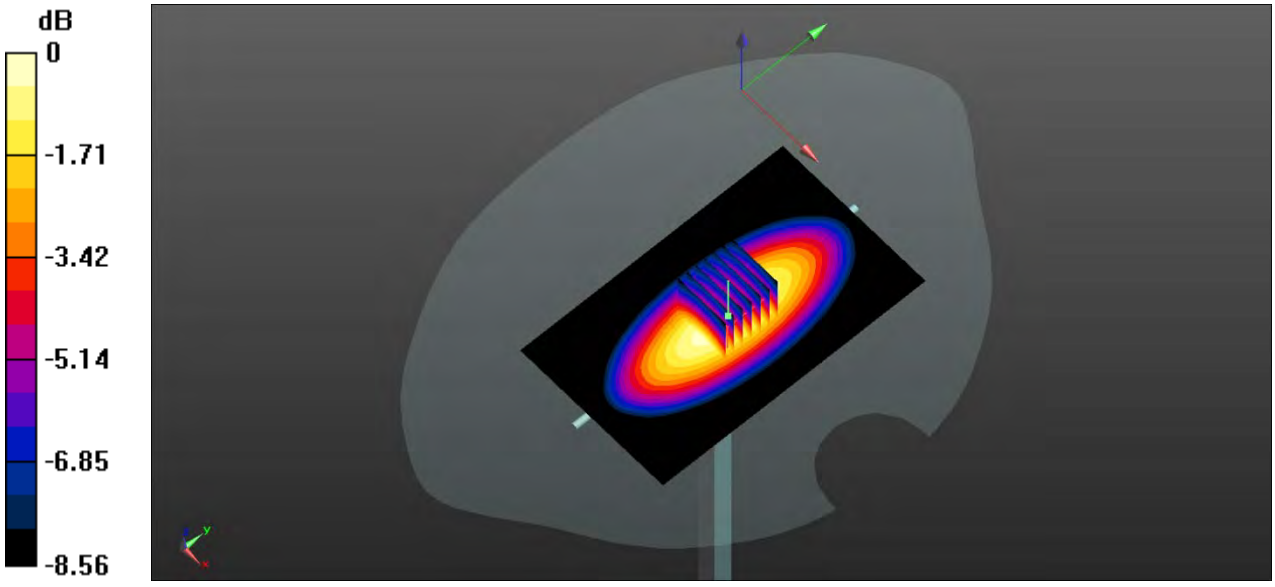
CW835 HEAD 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.01 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.988 W/kg; SAR(10 g) = 0.642 W/kg

Maximum value of SAR (measured) = 0.999 W/kg



0 dB = 0.999 W/kg

System Performance Check Data (835MHz)

Date: 2021.10.19

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

Medium parameters used: f = 835 MHz; σ = 0.904 S/m; ε_r = 41.909; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

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

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

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

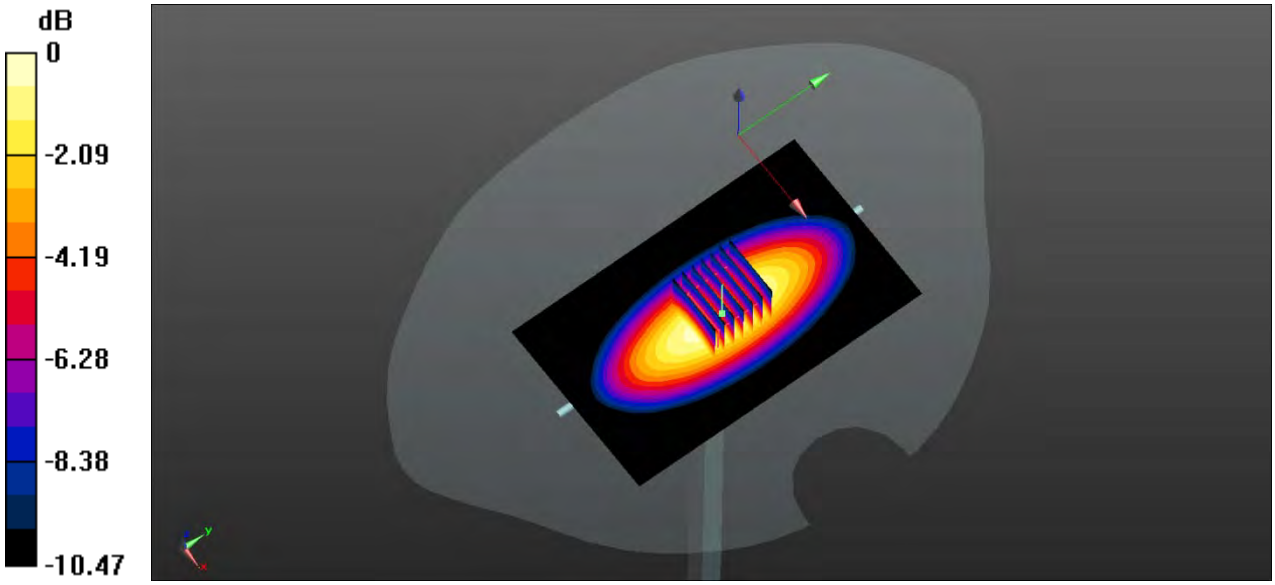
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.946 W/kg; SAR(10 g) = 0.614 W/kg

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



0 dB = 0.981 W/kg

System Performance Check Data (1750MHz)

Date: 2021.10.17

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

Medium parameters used: f = 1750 MHz; σ = 1.381 S/m; ε_r = 39.997; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

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

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

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

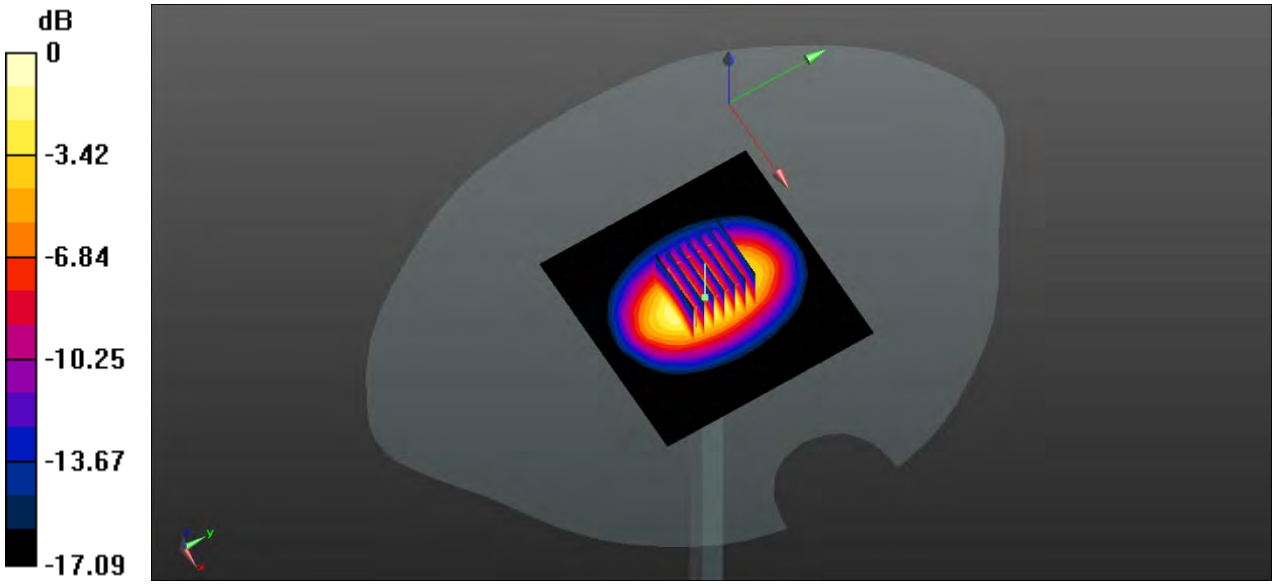
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 7.02 W/kg

SAR(1 g) = 3.54 W/kg; SAR(10 g) = 1.85 W/kg

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



0 dB = 4.12 W/kg

System Performance Check Data (1750MHz)

Date: 2021.10.12

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

Medium parameters used: f = 1750 MHz; σ = 1.376 S/m; ε_r = 40.193; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5 Configuration:

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

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

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

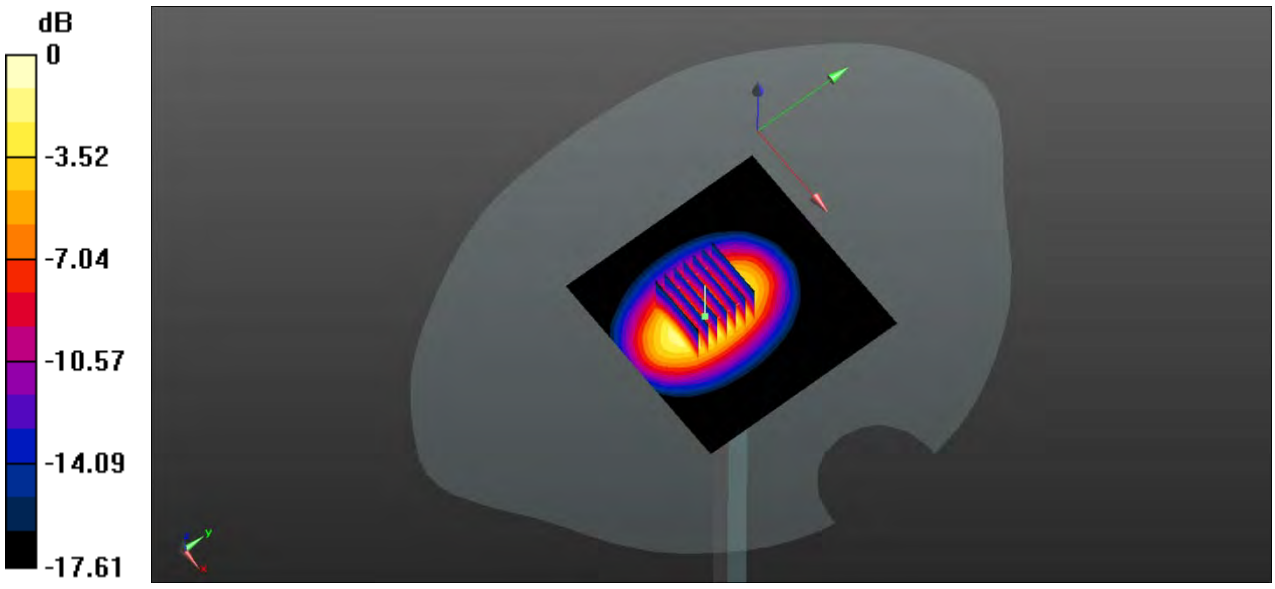
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 6.75 W/kg

SAR(1 g) = 3.62 W/kg; SAR(10 g) = 1.88 W/kg

Maximum value of SAR (measured) = 4.04 W/kg



0 dB = 4.04 W/kg

System Performance Check Data (1750MHz)

Date: 2021.10.08

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

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.382 S/m; ε_r = 40.123; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

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

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

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

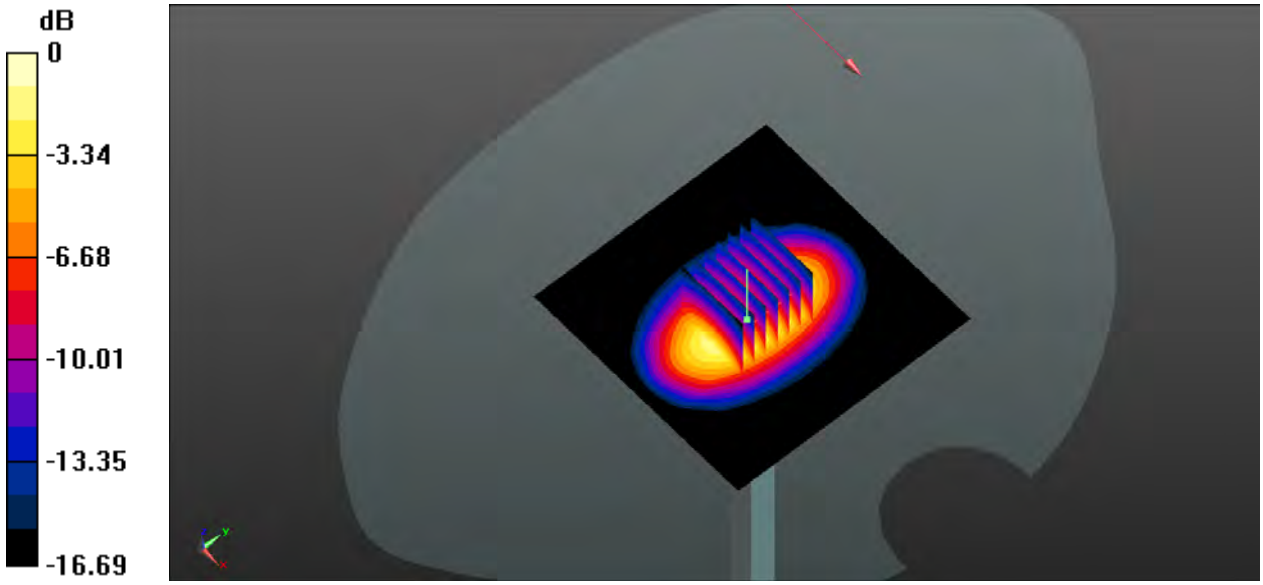
CW1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.81 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.04 W/kg

SAR(1 g) = 3.78 W/kg; SAR(10 g) = 1.97 W/kg

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



0 dB = 4.22 W/kg

System Performance Check Data (1750MHz)

Date: 2021.11.01

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

Medium parameters used: f = 1750 MHz; σ = 1.383 S/m; ε_r = 40.161; ρ = 1000 kg/m^3

Phantom section: Flat Section

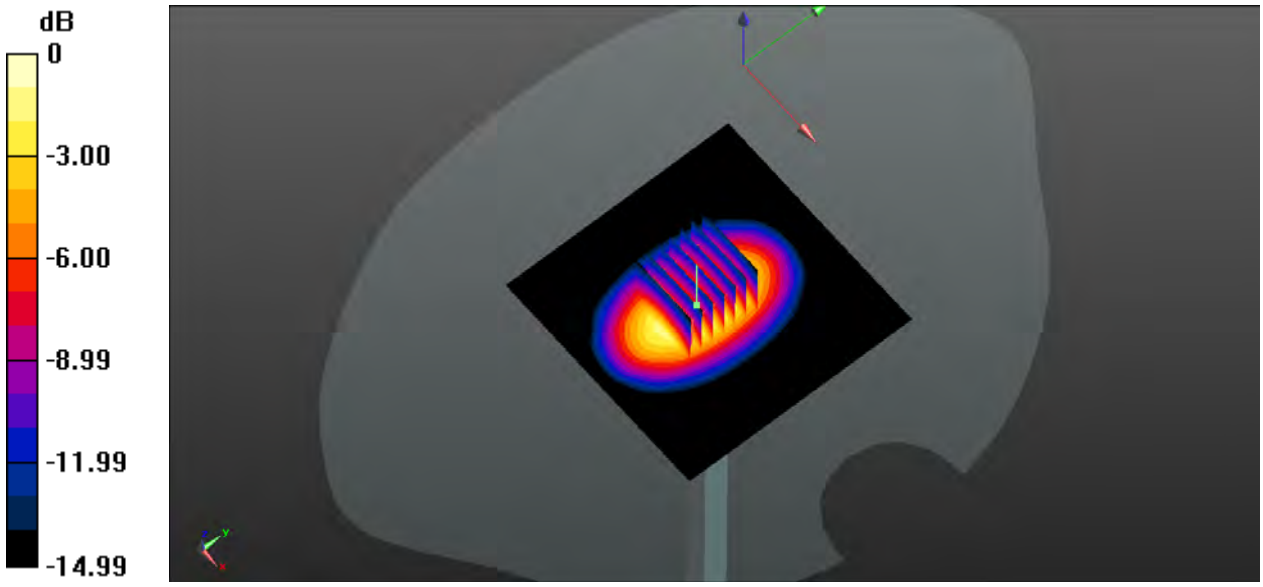
Ambient Temperature:22.7 Liquid Temperature:21.3

DASY5 Configuration:

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

CW 1750 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.19 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 = 0.04 dB
Peak SAR (extrapolated) = 6.48 W/kg
SAR(1 g) = 3.69 W/kg; SAR(10 g) = 1.92 W/kg
Maximum value of SAR (measured) = 4.12 W/kg



0 dB = 4.12 W/kg

System Performance Check Data (1750MHz)

Date: 2021.10.25

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

Medium parameters used: f = 1750 MHz; σ = 1.381 S/m; ε_r = 40.048; ρ = 1000 kg/m^3

Phantom section: Flat Section

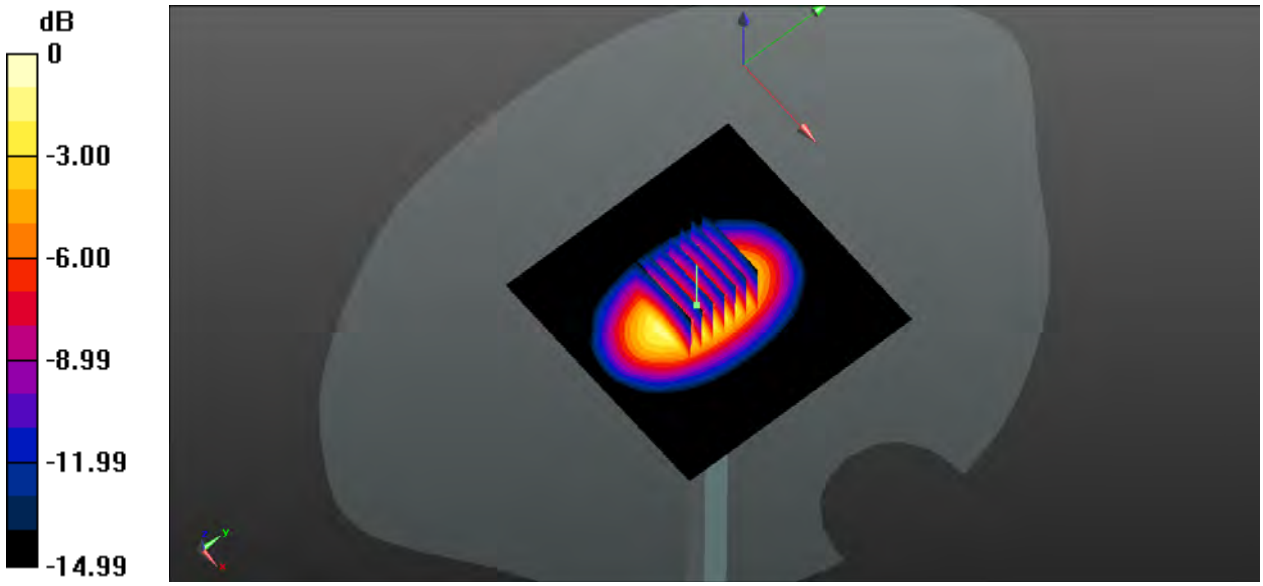
Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

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

CW 1750 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.19 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 = 0.04 dB
Peak SAR (extrapolated) = 6.48 W/kg
SAR(1 g) = 3.82 W/kg; SAR(10 g) = 1.99 W/kg
Maximum value of SAR (measured) = 4.15 W/kg



0 dB = 4.15 W/kg

System Performance Check Data (1750MHz)

Date: 2021.10.26

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

Medium parameters used: f = 1750 MHz; σ = 1.374 S/m; ε_r = 40.133; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

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

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

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

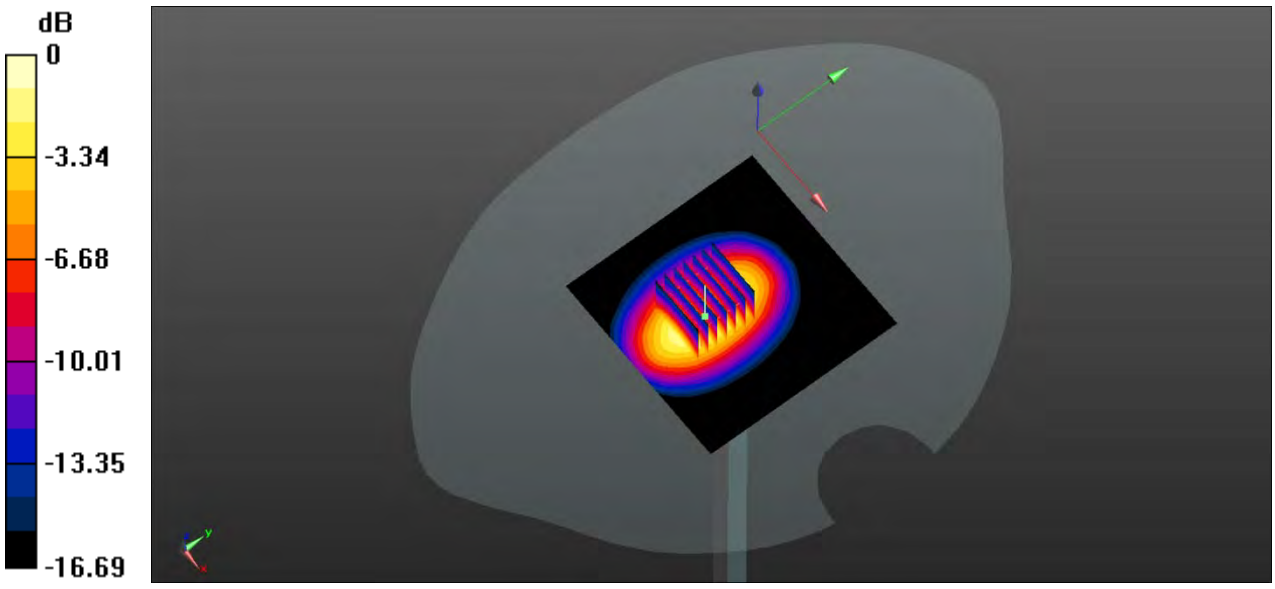
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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) = 1.84 W/kg

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



0 dB = 4.03 W/kg

System Performance Check Data (1900MHz)

Date: 2021.10.06

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

Medium parameters used: f = 1900 MHz; σ = 1.399 S/m; ε_r = 39.943; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 4.55 W/kg

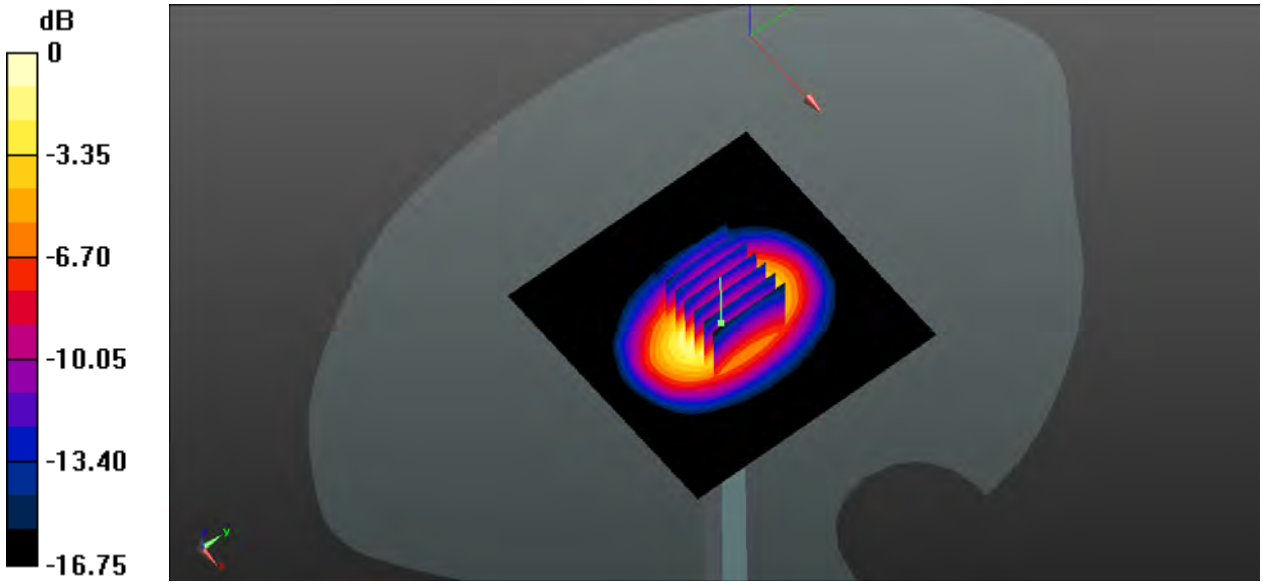
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.76 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 7.32 W/kg

SAR(1 g) = 3.97 W/kg; SAR(10 g) = 2.04 W/kg

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



0 dB = 4.51 W/kg

System Performance Check Data (1900MHz)

Date: 2021.10.15

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

Medium parameters used: f = 1900 MHz; σ = 1.397 S/m; ε_r = 39.941; ρ = 1000 kg/m^3

Phantom section: Flat Section

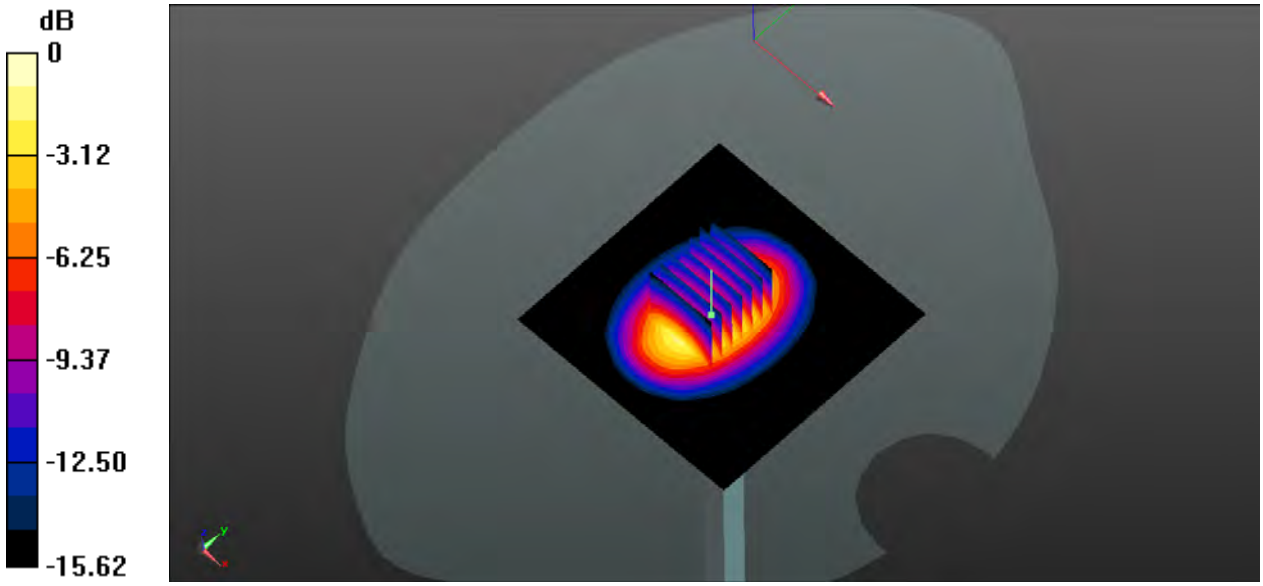
Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

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

CW 1900 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.65 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) = 3.91 W/kg; SAR(10 g) = 1.99 W/kg
Maximum value of SAR (measured) = 4.46 W/kg



0 dB = 4.46 W/kg

System Performance Check Data (1900MHz)

Date: 2021.10.16

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

Medium parameters used: f = 1900 MHz; σ = 1.399 S/m; ε_r = 39.894; ρ = 1000 kg/m^3

Phantom section: Flat Section

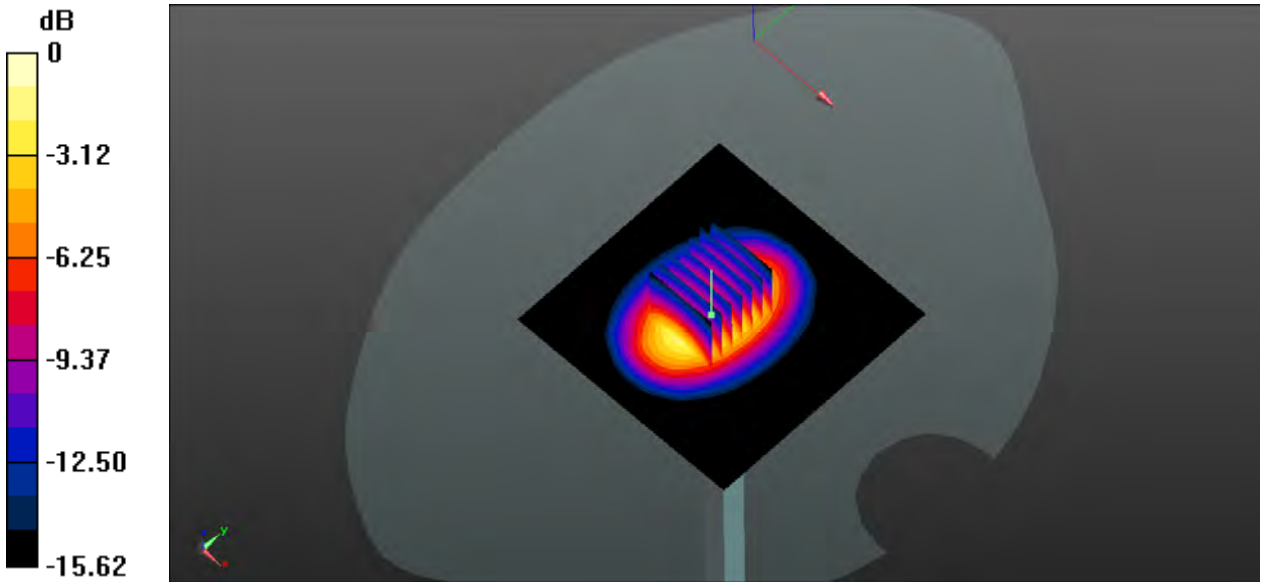
Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

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

CW 1900 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.65 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) = 4.04 W/kg; SAR(10 g) = 2.06 W/kg
Maximum value of SAR (measured) = 4.61 W/kg



0 dB = 4.61 W/kg

System Performance Check Data (1900MHz)

Date: 2021.10.11

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

Medium parameters used: f = 1900 MHz; σ = 1.399 S/m; ε_r = 39.799; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 4.55 W/kg

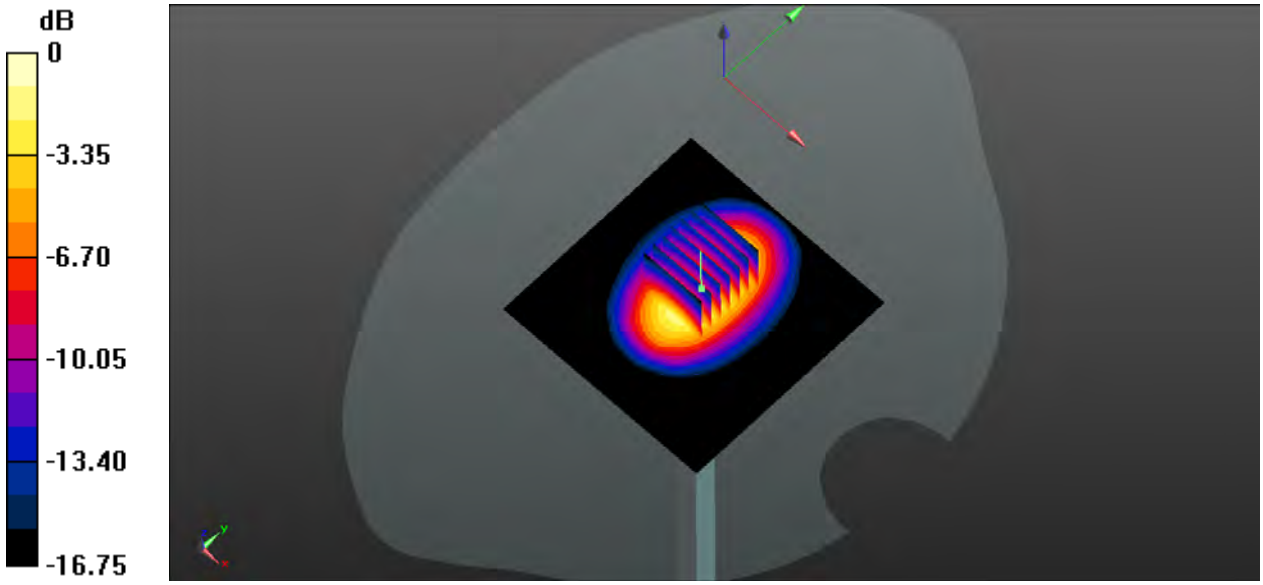
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.76 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 7.32 W/kg

SAR(1 g) = 4.14 W/kg; SAR(10 g) = 2.11 W/kg

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



0 dB = 4.57 W/kg

System Performance Check Data (2450MHz)

Date: 2021.12.12

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

Medium parameters used: f = 2450 MHz; σ = 1.797 S/m; ε_r = 39.638; ρ = 1000 kg/m^3

Phantom section: Flat Section

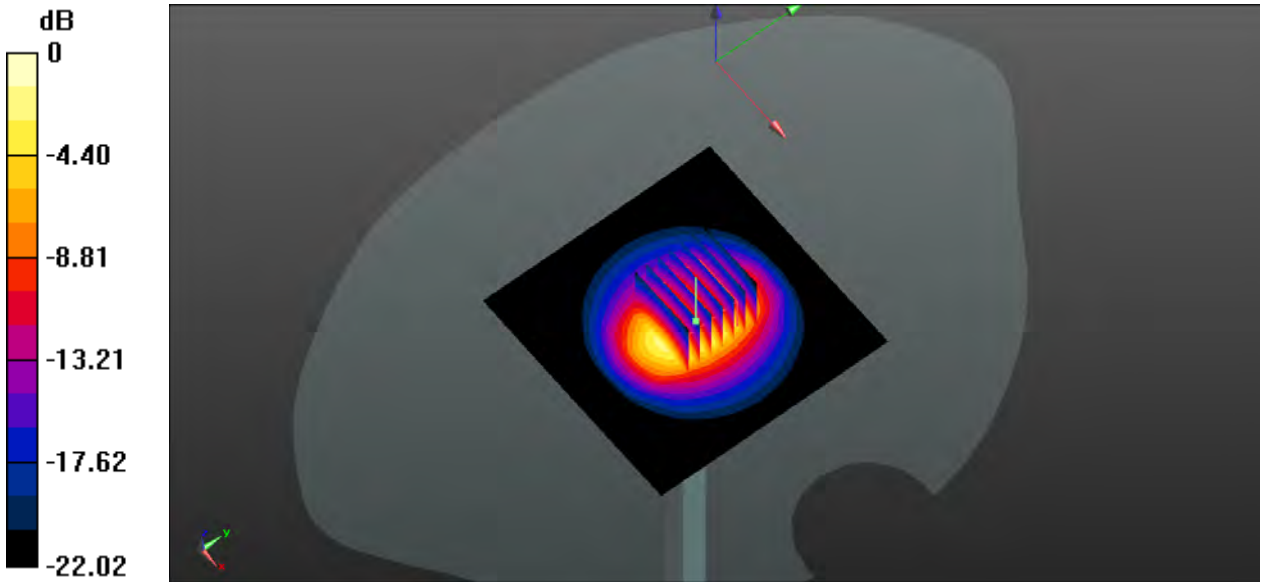
Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.18 W/kg

CW 2450 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.27 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 11.0 W/kg
SAR(1 g) = 5.33 W/kg; SAR(10 g) = 2.42 W/kg
Maximum value of SAR (measured) = 6.11 W/kg



0 dB = 6.11 W/kg

System Performance Check Data (2450MHz)

Date: 2021.12.13

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

Medium parameters used: f = 2450 MHz; σ = 1.799 S/m; ε_r = 39.559; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

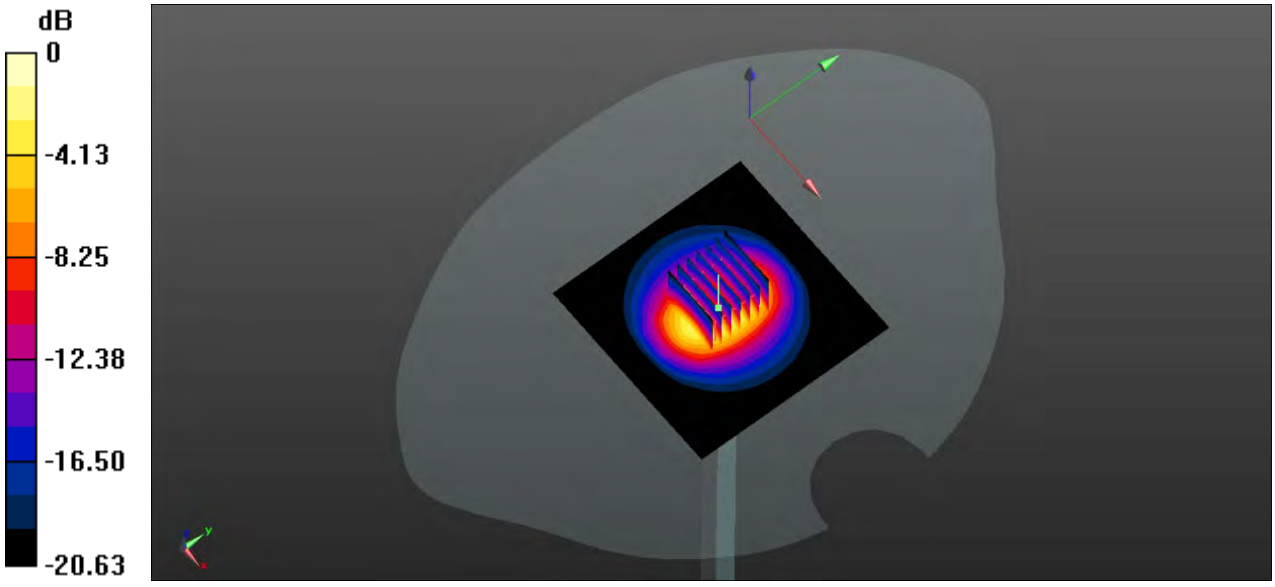
CW2450 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.17 W/kg; SAR(10 g) = 2.35 W/kg

Maximum value of SAR (measured) = 5.76 W/kg



0 dB = 5.76 W/kg

System Performance Check Data (2600MHz)

Date: 2021.10.20

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.987 S/m; ε_r = 38.533; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 7.27 W/kg

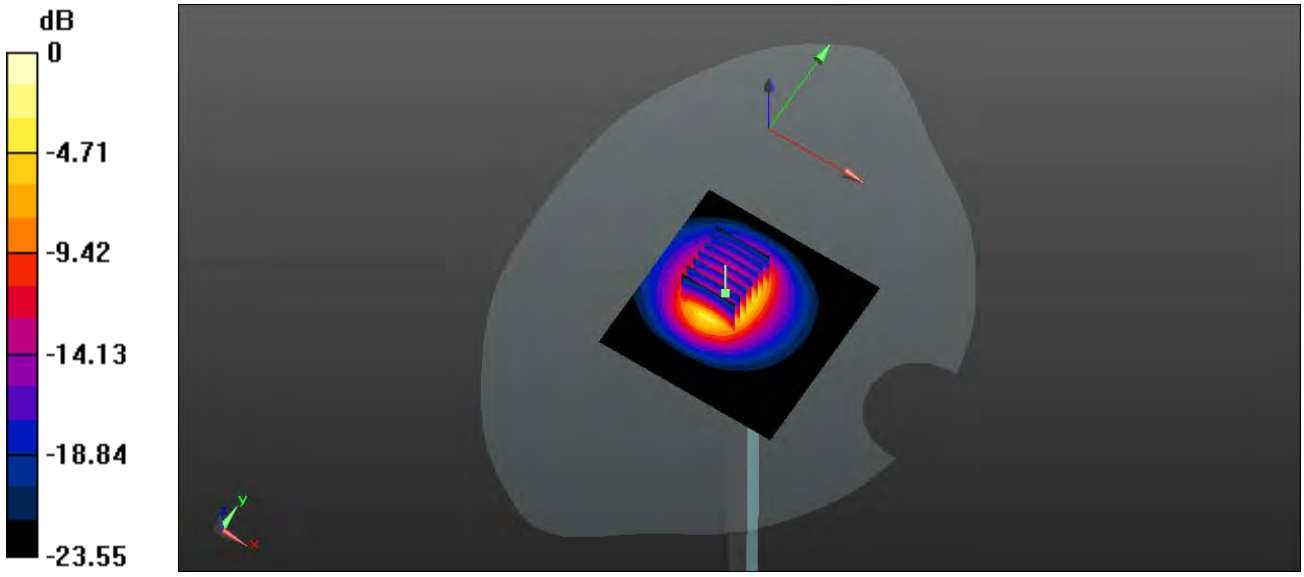
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 12.8 W/kg

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

Maximum value of SAR (measured) = 6.69 W/kg



0 dB = 6.69 W/kg

System Performance Check Data (2600MHz)

Date: 2021.10.21

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.983 S/m; ε_r = 38.453; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

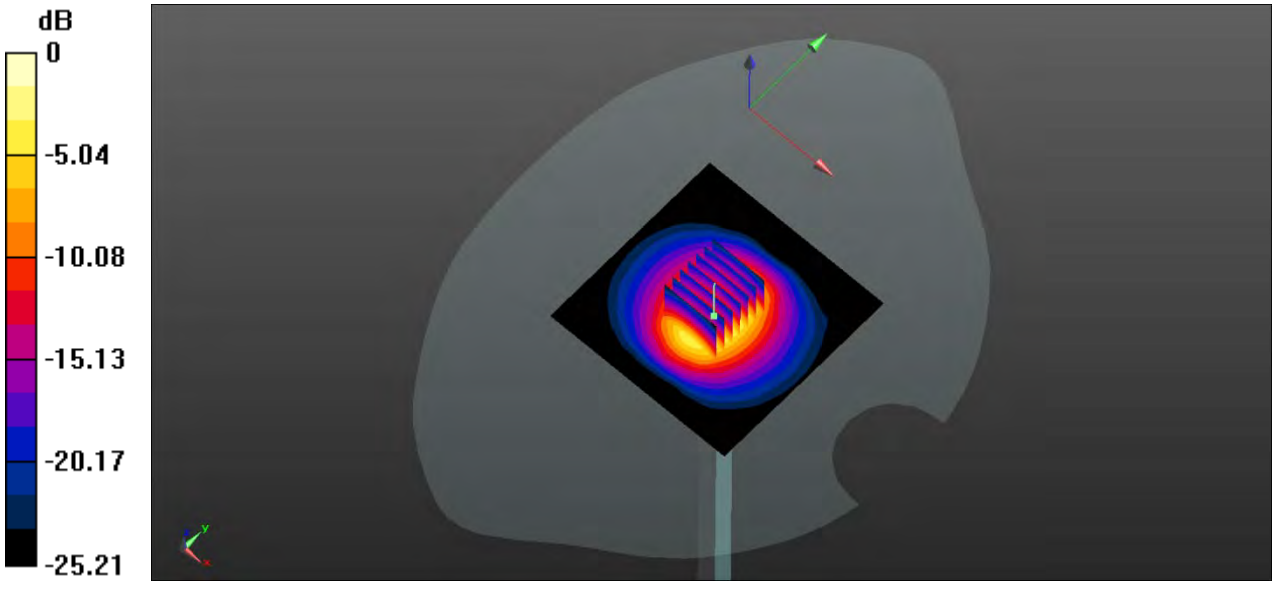
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.82 W/kg; SAR(10 g) = 2.54 W/kg

Maximum value of SAR (measured) = 6.47 W/kg



0 dB = 6.47 W/kg

System Performance Check Data (2600MHz)

Date: 2021.12.29

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

Medium parameters used: f = 2600 MHz; σ = 1.974 S/m; ε_r = 38.482; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

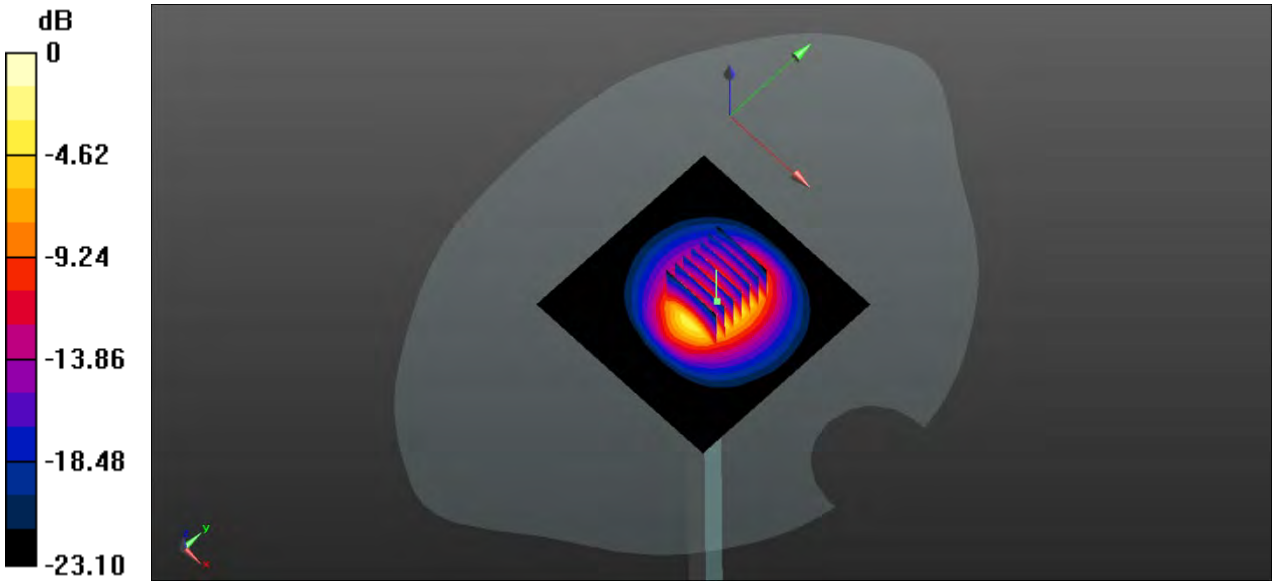
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.02 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 11.9 W/kg

SAR(1 g) = 5.61 W/kg; SAR(10 g) = 2.45 W/kg

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



0 dB = 6.42 W/kg

System Performance Check Data (2600MHz)

Date: 2021.10.27

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

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.989 S/m; ε_r = 38.392; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

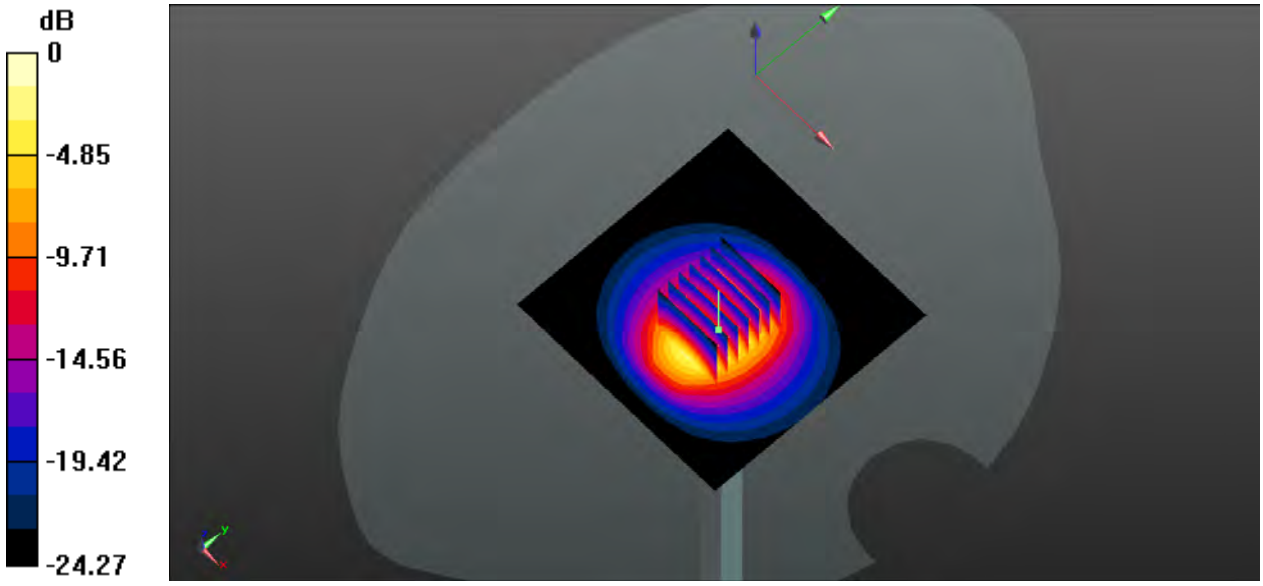
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.63 W/kg; SAR(10 g) = 2.48 W/kg

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



0 dB = 6.39 W/kg

System Performance Check Data (2600MHz)

Date: 2021.10.28

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

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.987 S/m; ε_r = 38.59; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

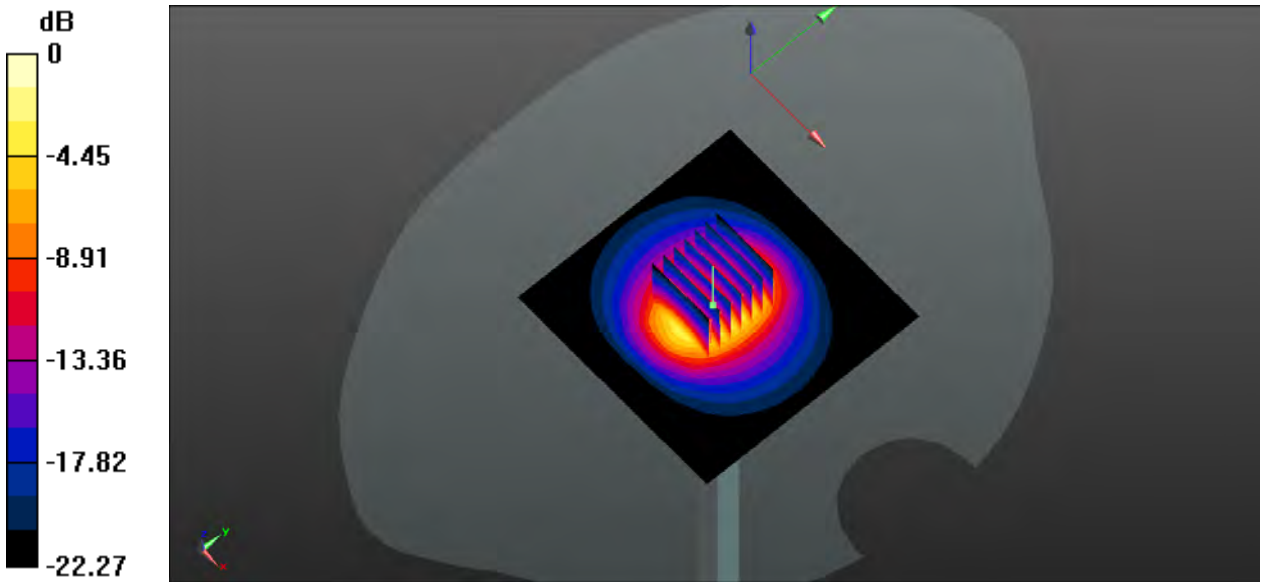
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 13.2 W/kg

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

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



0 dB = 6.35 W/kg

System Performance Check Data (2600MHz)

Date: 2021.10.29

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

Medium parameters used: f = 2600 MHz; σ = 1.989 S/m; ε_r = 38.474; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

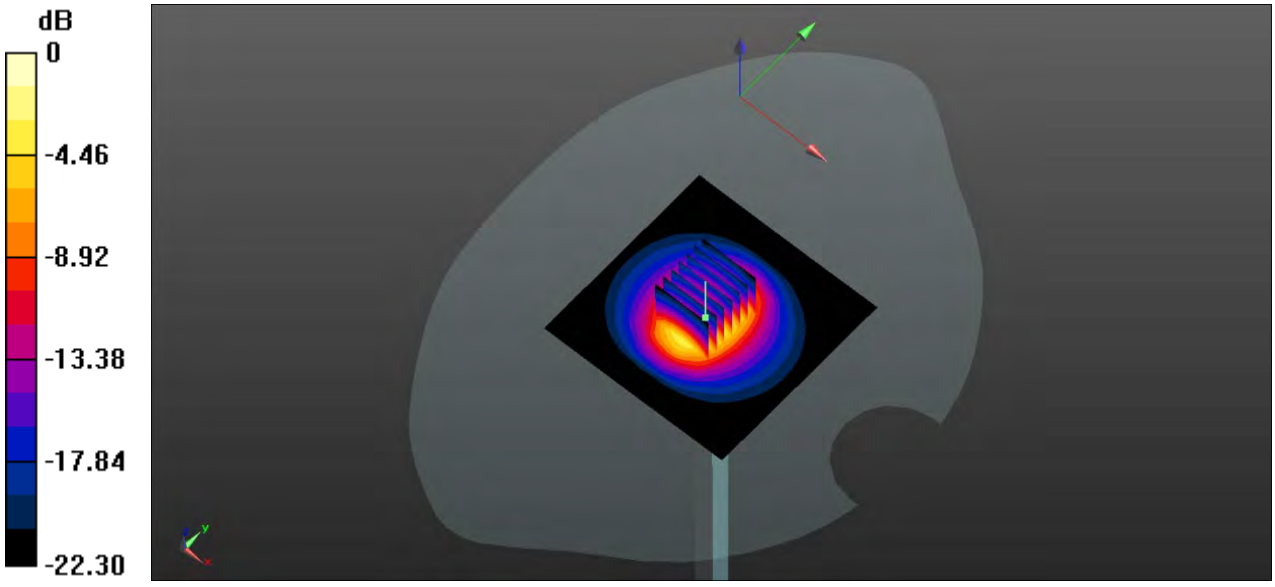
CW2600 HEAD 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.46 W/kg; SAR(10 g) = 2.39 W/kg

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



0 dB = 6.26 W/kg

System Performance Check Data (2600MHz)

Date: 2021.10.30

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.986 S/m; ε_r = 38.528; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.93 W/kg

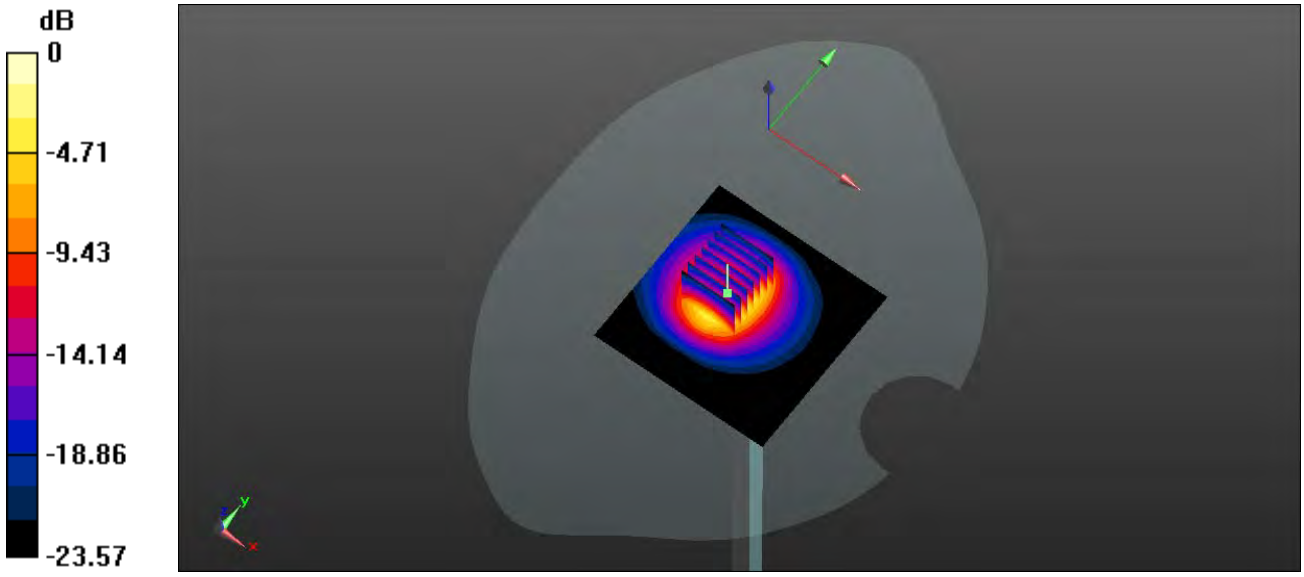
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.13 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.75 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: 2021.10.13

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.971 S/m; ε_r = 38.469; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.65 W/kg

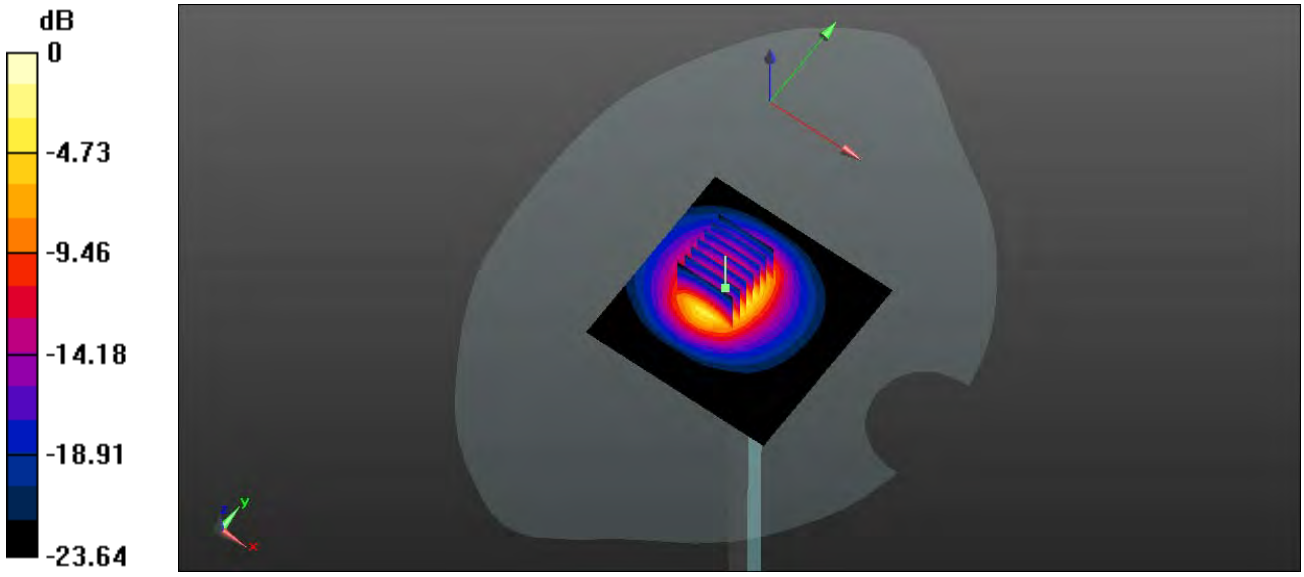
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.28 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 5.69 W/kg; SAR(10 g) = 2.51 W/kg

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



0 dB = 6.32 W/kg

System Performance Check Data (2600MHz)

Date: 2021.10.09

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.974 S/m; ε_r = 38.599; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 7.46 W/kg

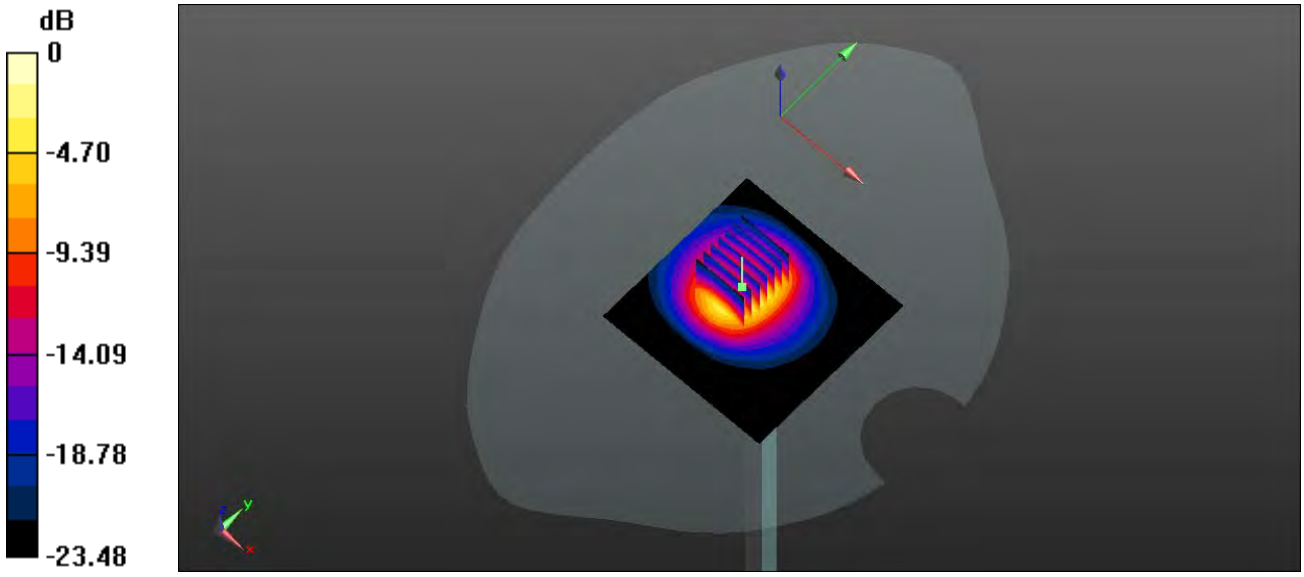
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.92 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 13.3 W/kg

SAR(1 g) = 5.79 W/kg; SAR(10 g) = 2.56 W/kg

Maximum value of SAR (measured) = 6.85 W/kg



0 dB = 6.85 W/kg

System Performance Check Data (2600MHz)

Date: 2021.10.10

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.974 S/m; ε_r = 38.405; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 7.06 W/kg

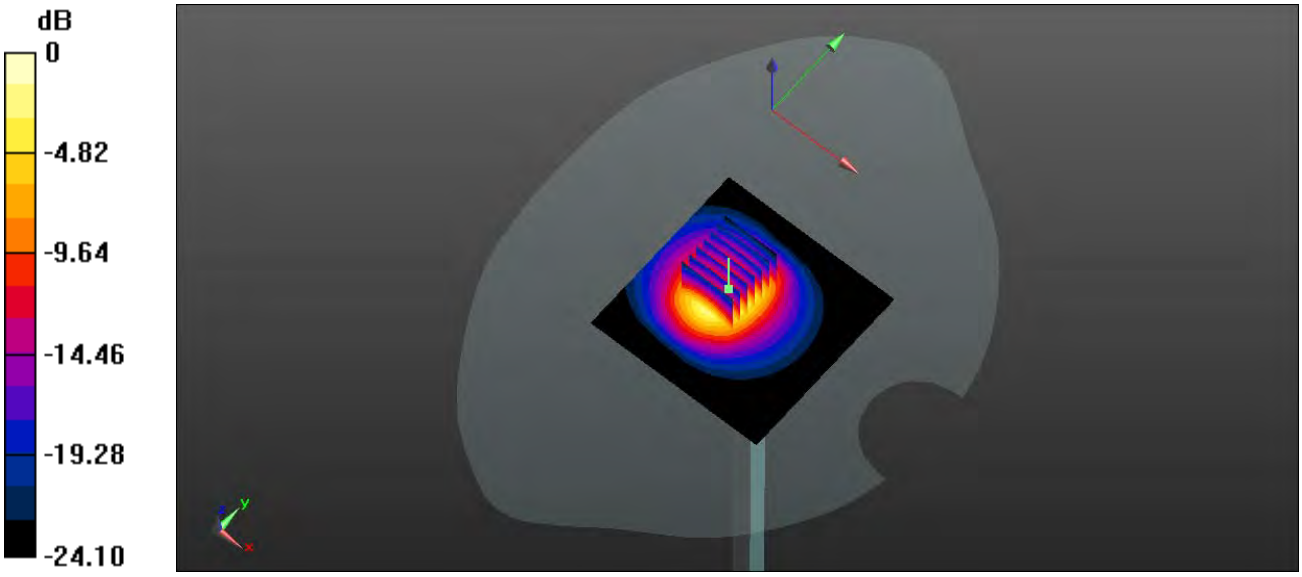
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.44 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 12.8 W/kg

SAR(1 g) = 5.56 W/kg; SAR(10 g) = 2.47 W/kg

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



0 dB = 6.58 W/kg

System Performance Check Data (5250MHz)

Date: 2021.11.03

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

Medium parameters used: f = 5250 MHz; σ = 4.7 S/m; ε_r = 35.856; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(5.17, 5.17, 5.17); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

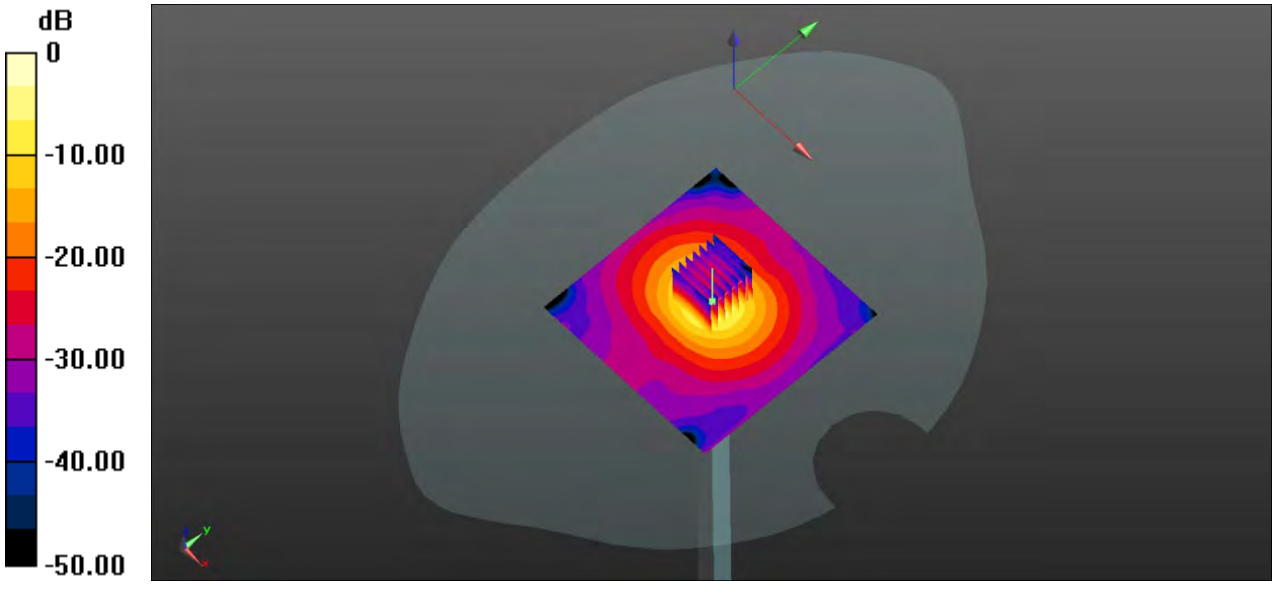
CW 5250 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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

Peak SAR (extrapolated) = 31.9 W/kg

SAR(1 g) = 7.79 W/kg; SAR(10 g) = 2.23 W/kg

Maximum value of SAR (measured) = 18.8 W/kg



0 dB = 18.8 W/kg

System Performance Check Data (5250MHz)

Date: 2021.11.06

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

Medium parameters used: f = 5250 MHz; σ = 4.697 S/m; ε_r = 35.794; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(5.17, 5.17, 5.17); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

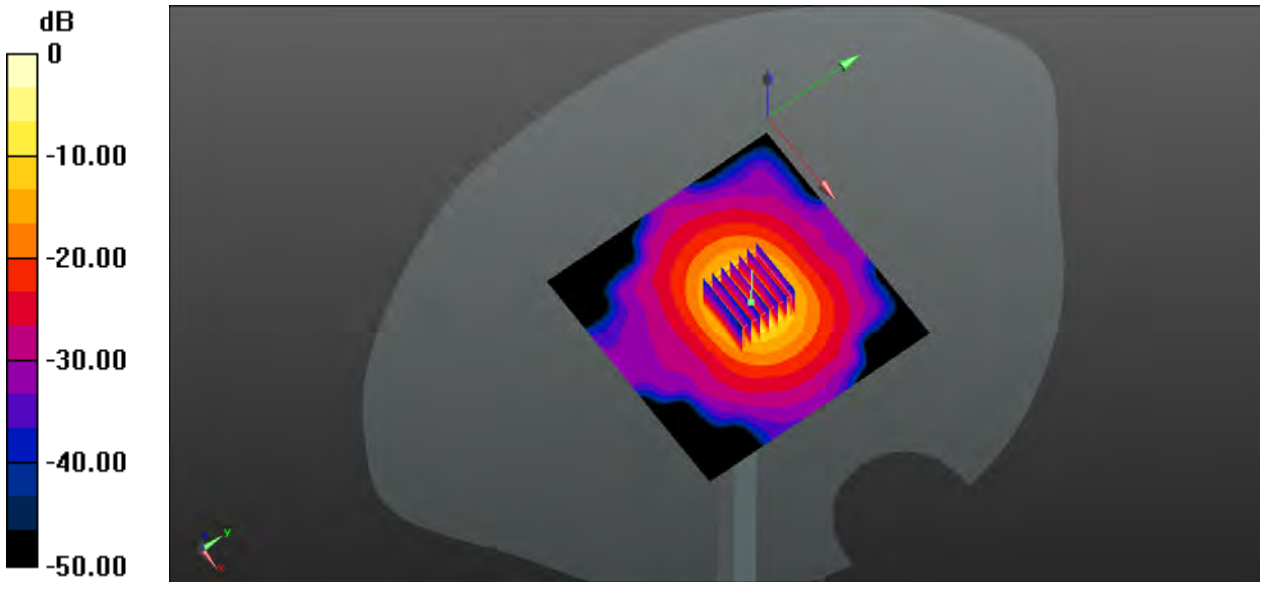
CW 5250 100mW /Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 37.06 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 33.2 W/kg

SAR(1 g) = 7.98 W/kg; SAR(10 g) = 2.29 W/kg

Maximum value of SAR (measured) = 19.3 W/kg



0 dB = 19.3 W/kg

System Performance Check Data (5600MHz)

Date: 2021.11.04

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

Medium parameters used: f = 5600 MHz; σ = 4.959 S/m; ε_r = 35.272; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.0 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.74, 4.74, 4.74); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 9.85 W/kg

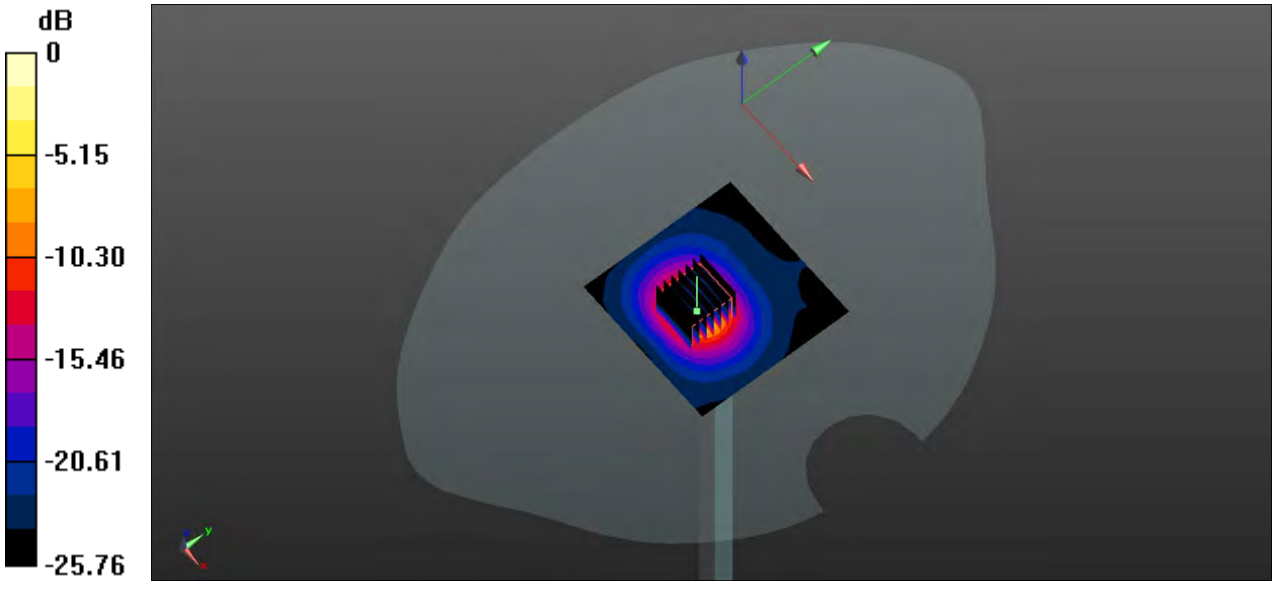
CW 5600 100mW/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 26.78 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 41.4 W/kg

SAR(1 g) = 8.09 W/kg; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (measured) = 19.8 W/kg



0 dB = 19.8 W/kg

System Performance Check Data (5600MHz)

Date: 2021.11.07

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

Medium parameters used: f = 5600 MHz; σ = 5.052 S/m; ε_r = 35.269; ρ = 1000 kg/m^3

Phantom section: Flat Section

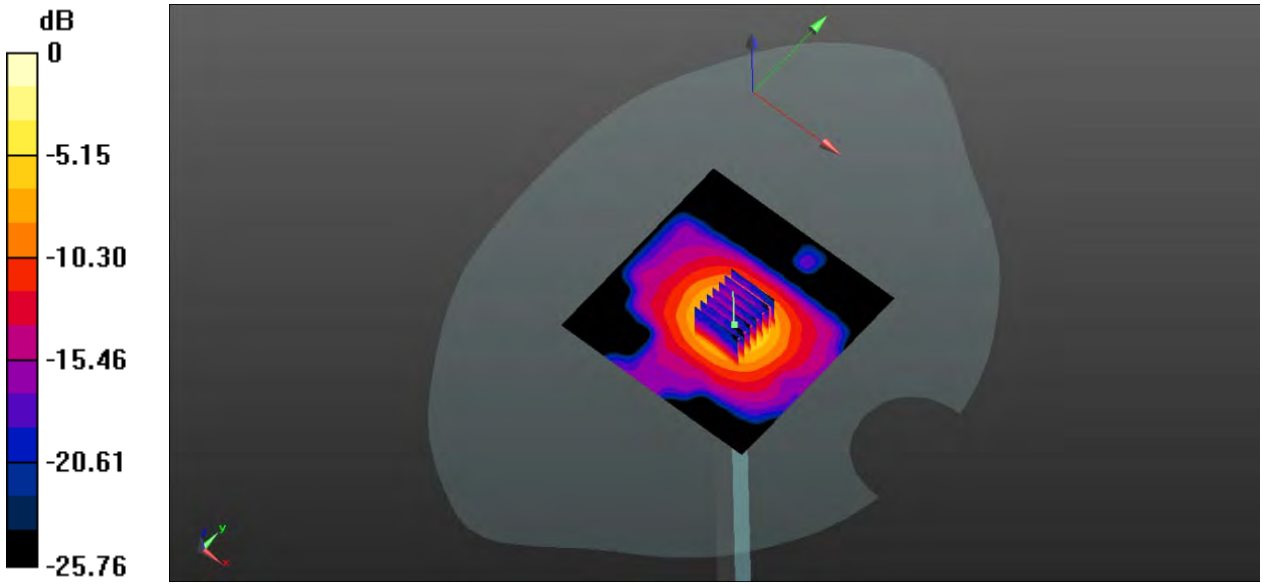
Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.74, 4.74, 4.74); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 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) = 8.11 W/kg; SAR(10 g) = 2.36 W/kg
Maximum value of SAR (measured) = 16.8 W/kg



0 dB = 16.8 W/kg

System Performance Check Data (5750MHz)

Date: 2021.11.05

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

Medium parameters used: f = 5750 MHz; σ = 5.172 S/m; ε_r = 35.436; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.76, 4.76, 4.76); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5750 100mW/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.04 W/kg

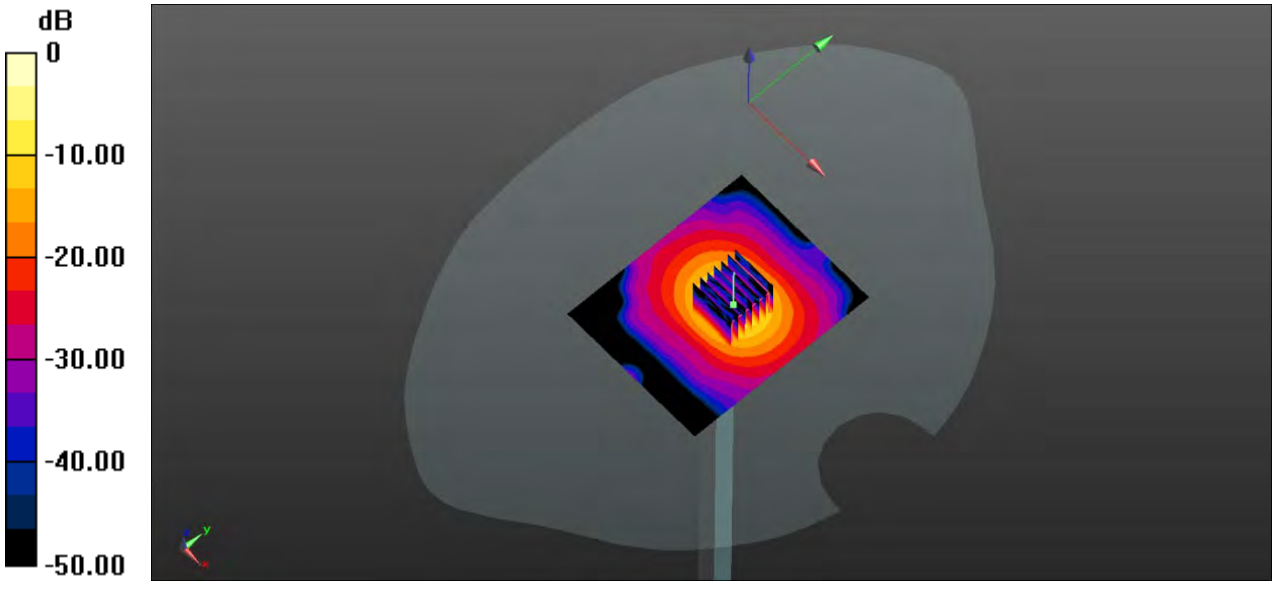
CW 5750 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 33.35 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 40.5 W/kg

SAR(1 g) = 7.92 W/kg; SAR(10 g) = 2.21 W/kg

Maximum value of SAR (measured) = 19.2 W/kg



0 dB = 19.2 W/kg

System Performance Check Data (5750MHz)

Date: 2021.11.08

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

Medium parameters used: f = 5750 MHz; σ = 5.174 S/m; ε_r = 35.589; ρ = 1000 kg/m^3

Phantom section: Flat Section

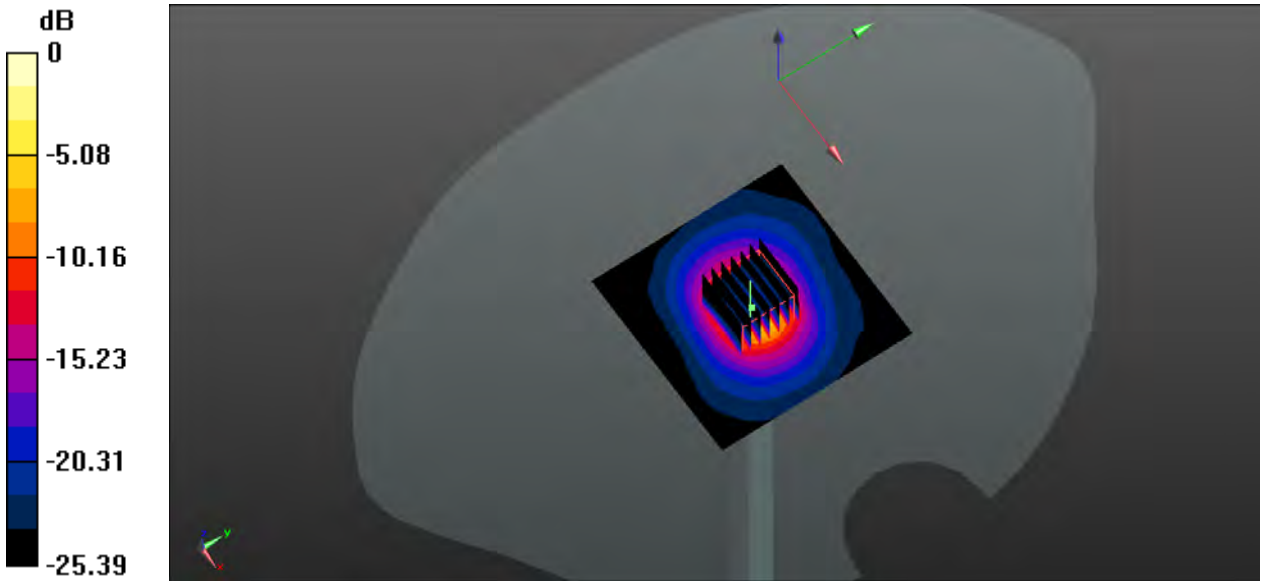
Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.76, 4.76, 4.76); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5750 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.92 W/kg

CW 5750 100mW/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 40.19 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 36.7 W/kg
SAR(1 g) = 7.84 W/kg; SAR(10 g) = 2.19 W/kg
Maximum value of SAR (measured) = 15.8 W/kg



0 dB = 15.8 W/kg

ANNEX C TEST DATA

Meas.1 Left Head with Cheek on Middle Channel in GPRS850 3Slots mode with ANT.0

Date: 2021.10.13

Communication System Band: GPRS 850; Frequency: 836.6 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.906 S/m; ε_r = 41.765; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.391 W/kg

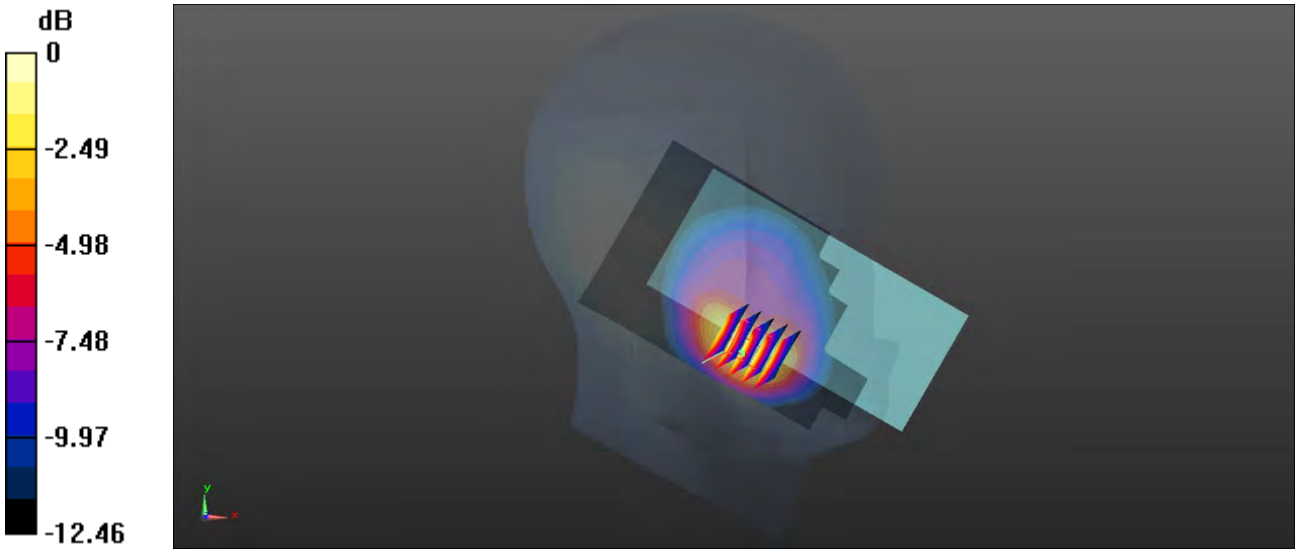
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.571 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.817 W/kg

SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.223 W/kg

Maximum value of SAR (measured) = 0.421 W/kg



0 dB = 0.421 W/kg

Meas.2 Body Plane with Back Side 15mm on Middle Channel in GPRS850 3Slots mode with ANT.1

Date: 2021.10.13

Communication System Band: GPRS 850; Frequency: 836.6 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.906 S/m; ε_r = 41.765; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.229 W/kg

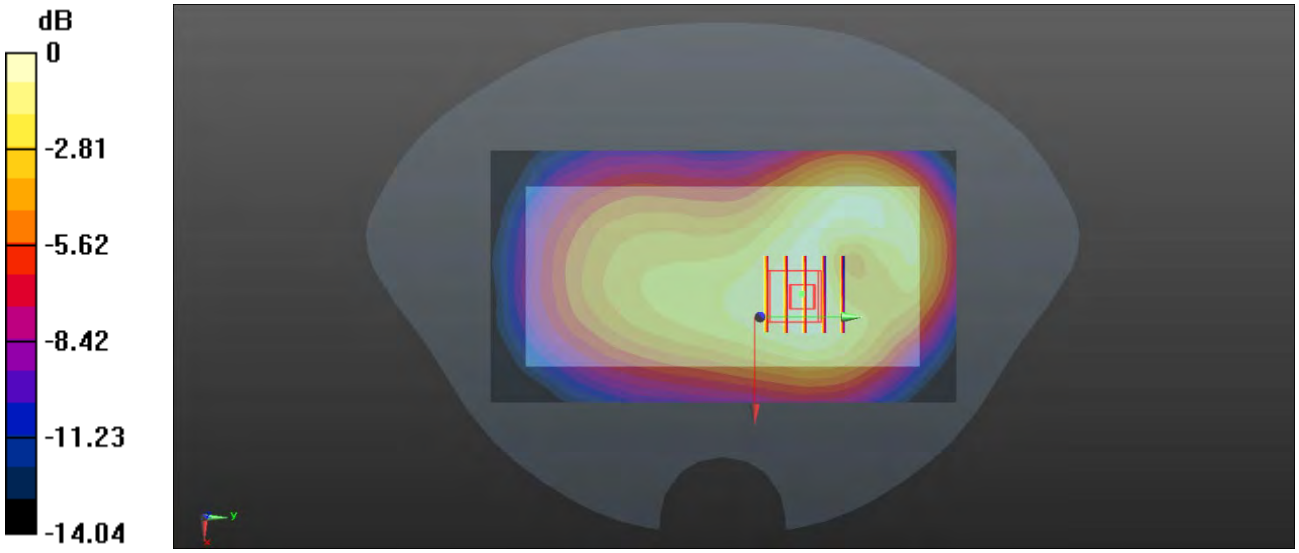
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.21 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.297 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.226 W/kg



0 dB = 0.226 W/kg

Meas.3 Body Plane with Right Edge 10mm on Middle Channel in GPRS850 3Slots mode with ANT.0

Date: 2021.10.13

Communication System Band: GPRS 850; Frequency: 836.6 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.906 S/m; ε_r = 41.765; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch190/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.353 W/kg

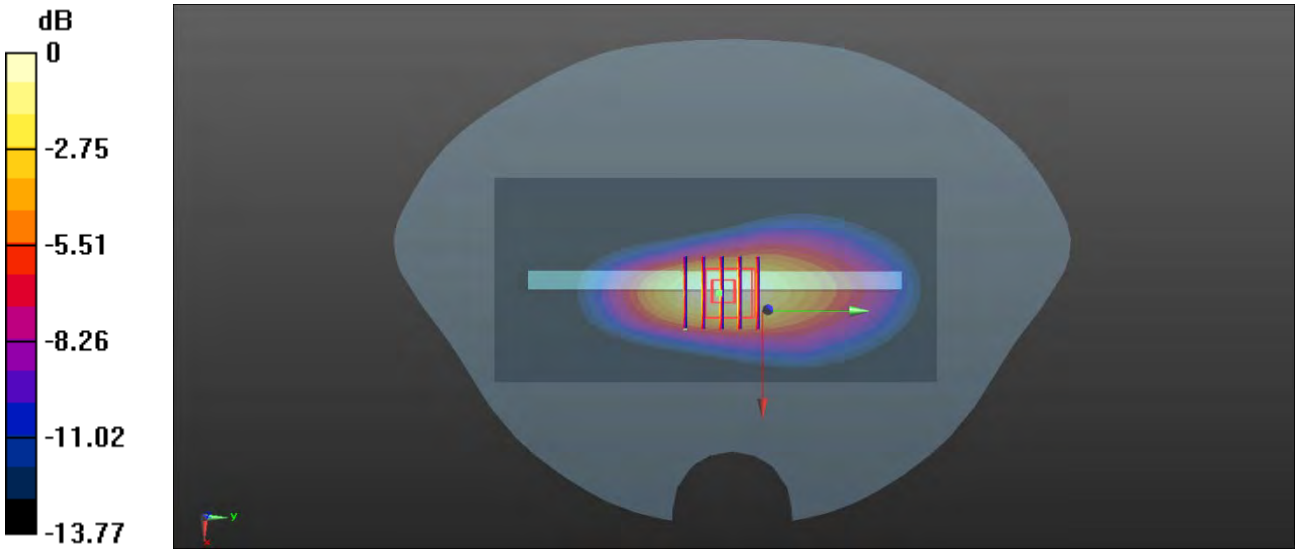
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.75 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.594 W/kg

SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.176 W/kg

Maximum value of SAR (measured) = 0.352 W/kg



0 dB = 0.352 W/kg

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

Date: 2021.10.15

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.387 S/m; ε_r = 40.211; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.758 W/kg

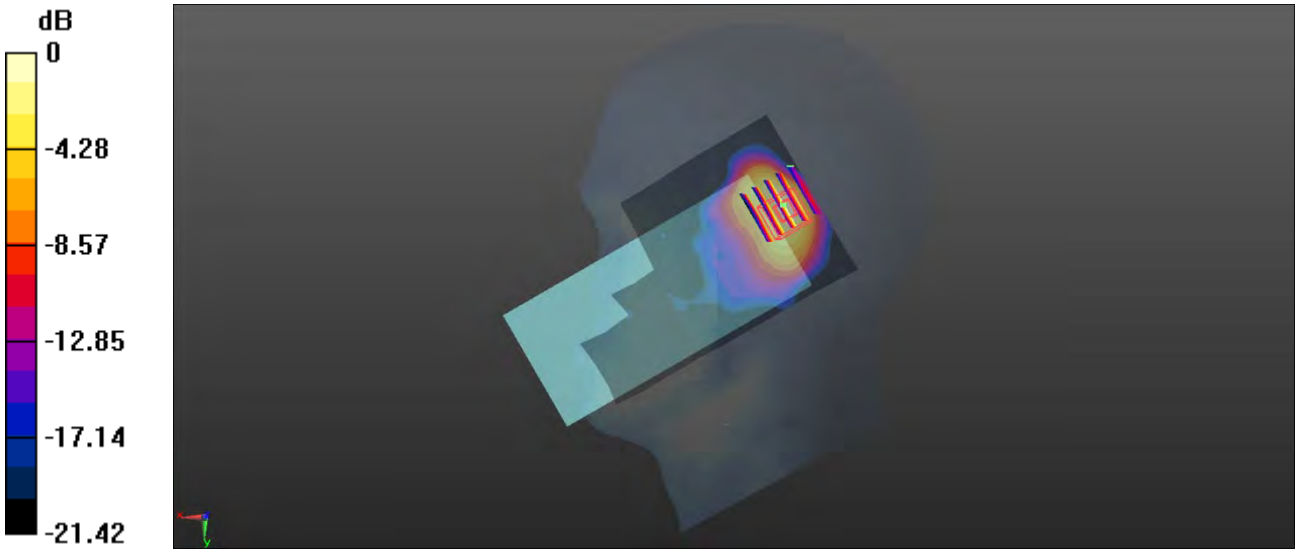
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.04 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.680 W/kg; SAR(10 g) = 0.316 W/kg

Maximum value of SAR (measured) = 0.795 W/kg



0 dB = 0.795 W/kg

Meas.5 Body Plane with Back Side 15mm on Middle Channel in GPRS1900 3Slots mode with ANT.4

Date: 2021.10.15

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.387 S/m; ε_r = 40.211; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.155 W/kg

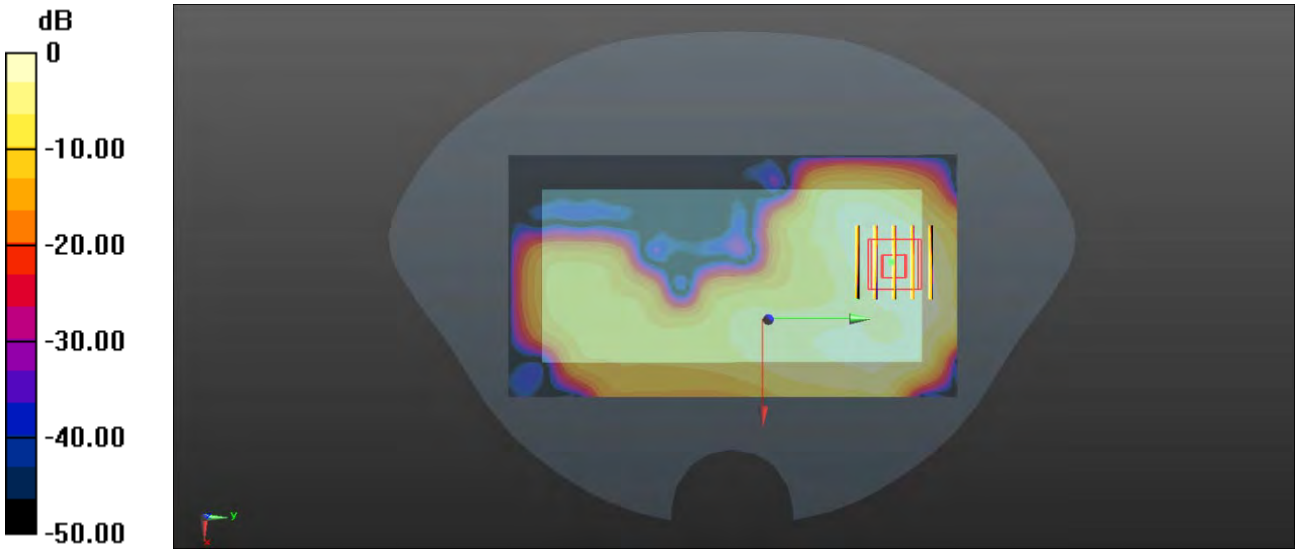
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.366 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.226 W/kg

SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.081 W/kg

Maximum value of SAR (measured) = 0.157 W/kg



0 dB = 0.157 W/kg

Meas.6 Body Plane with Bottom Edge 10mm on Middle Channel in GPRS1900 3Slots mode with ANT.4

Date: 2021.10.15

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.387 S/m; ε_r = 40.211; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch661/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.675 W/kg

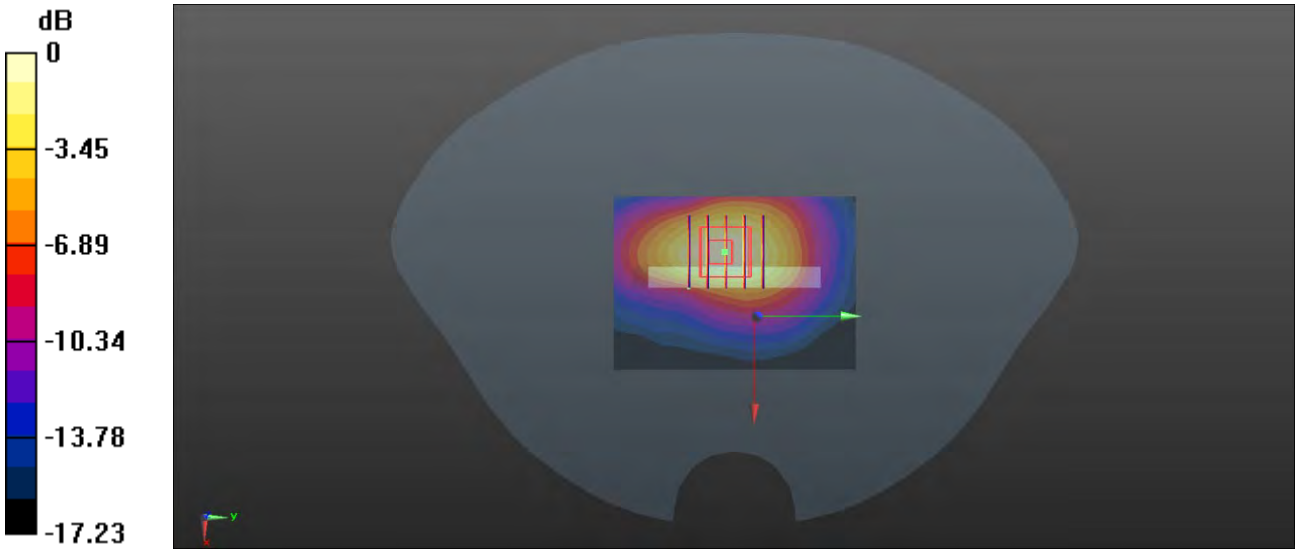
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.92 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.988 W/kg

SAR(1 g) = 0.608 W/kg; SAR(10 g) = 0.340 W/kg

Maximum value of SAR (measured) = 0.674 W/kg



0 dB = 0.674 W/kg

Meas.7 Right Head with Tilt on Middle Channel in WCDMA Band2 mode with ANT.3

Date: 2021.10.16

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.389 S/m; ε_r = 40.161; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.773 W/kg

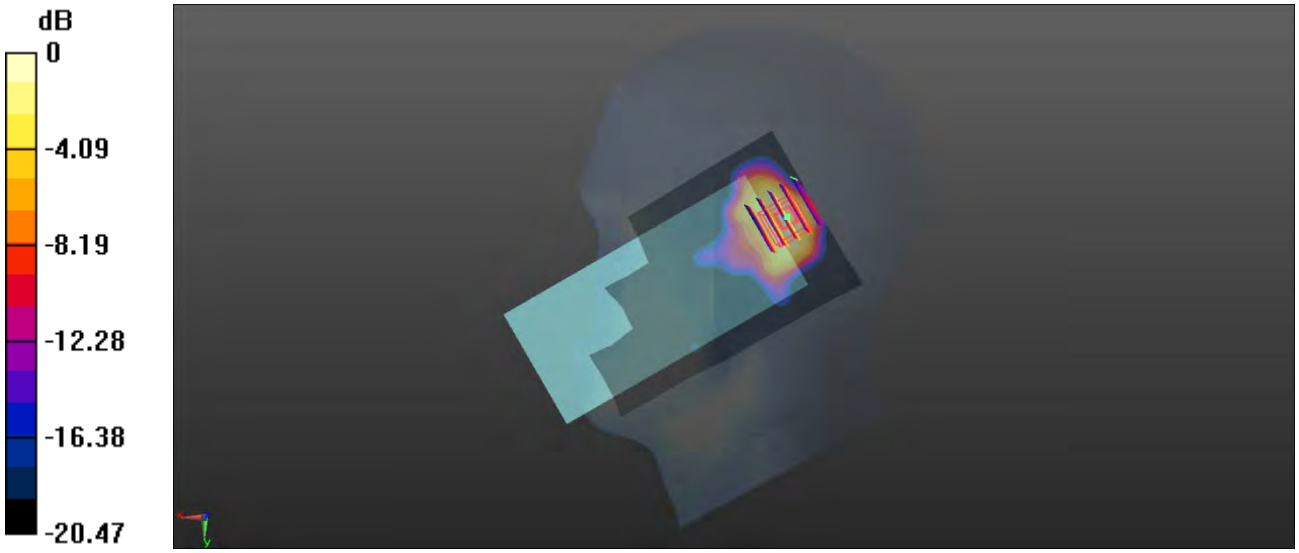
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.29 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.315 W/kg

Maximum value of SAR (measured) = 0.788 W/kg



0 dB = 0.788 W/kg

Meas.8 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band2 mode with ANT.4

Date: 2021.10.16

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.389 S/m; ε_r = 40.161; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.209 W/kg

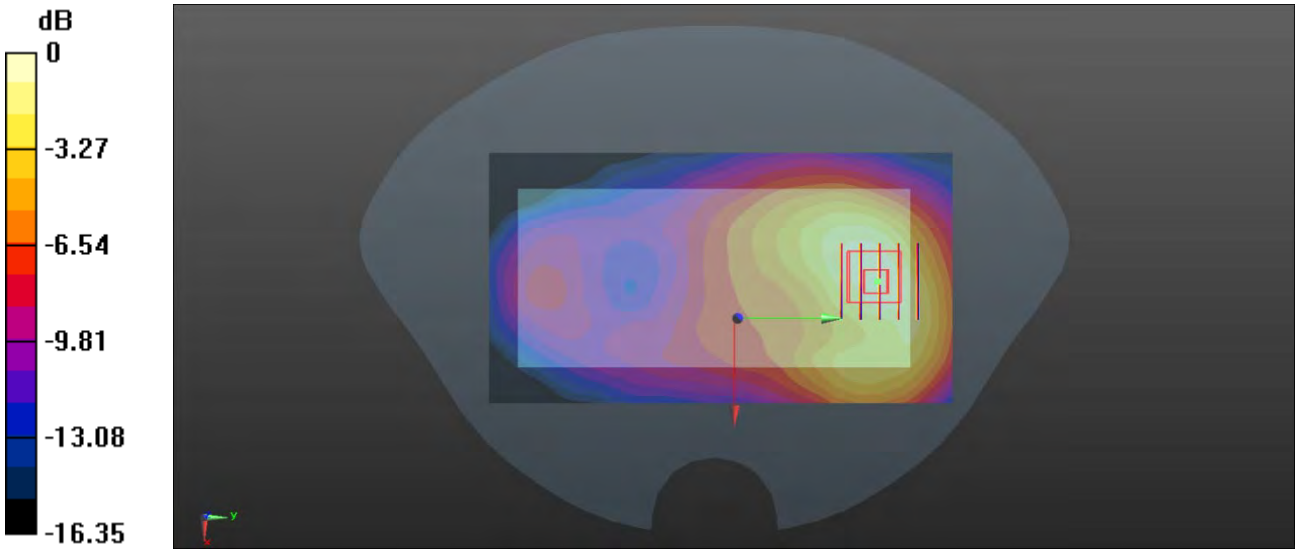
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.438 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.304 W/kg

SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.211 W/kg



0 dB = 0.211 W/kg

Meas.9 Body Plane with Top Edge 10mm on Middle Channel in WCDMA Band2 mode with ANT.3

Date: 2021.10.16

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.389 S/m; ε_r = 40.161; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

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

Ch9400/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.530 W/kg

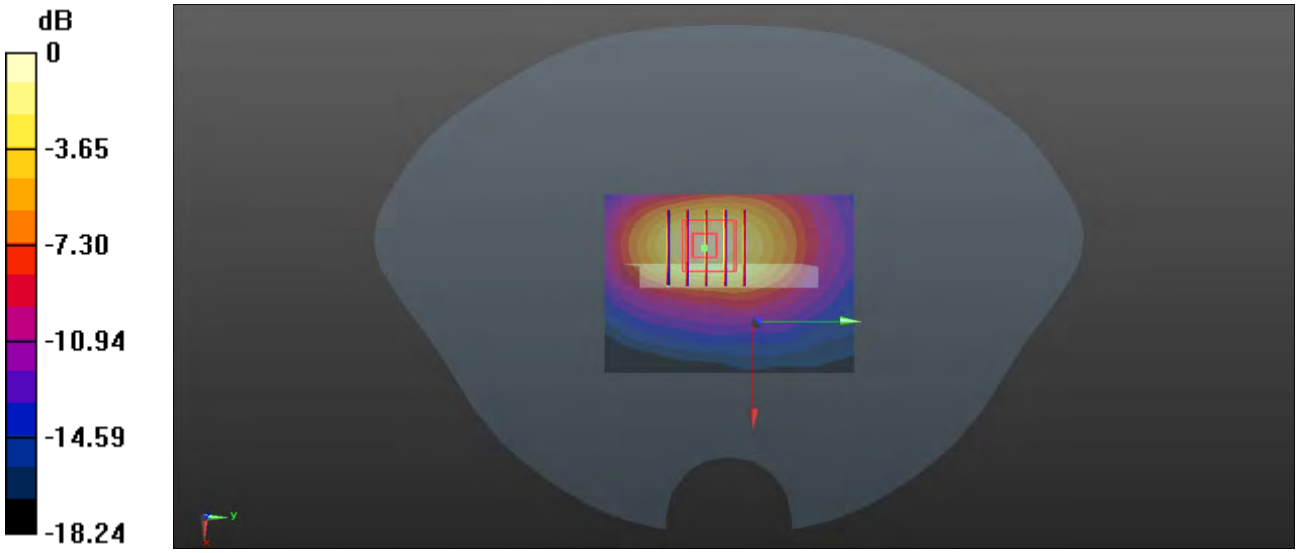
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.53 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.863 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.267 W/kg

Maximum value of SAR (measured) = 0.565 W/kg



0 dB = 0.565 W/kg

Meas.10 Right Head with Tilt on High Channel in WCDMA Band4 mode with ANT.3

Date: 2021.10.17

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

Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.384 S/m; ε_r = 39.956; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch1513/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.776 W/kg

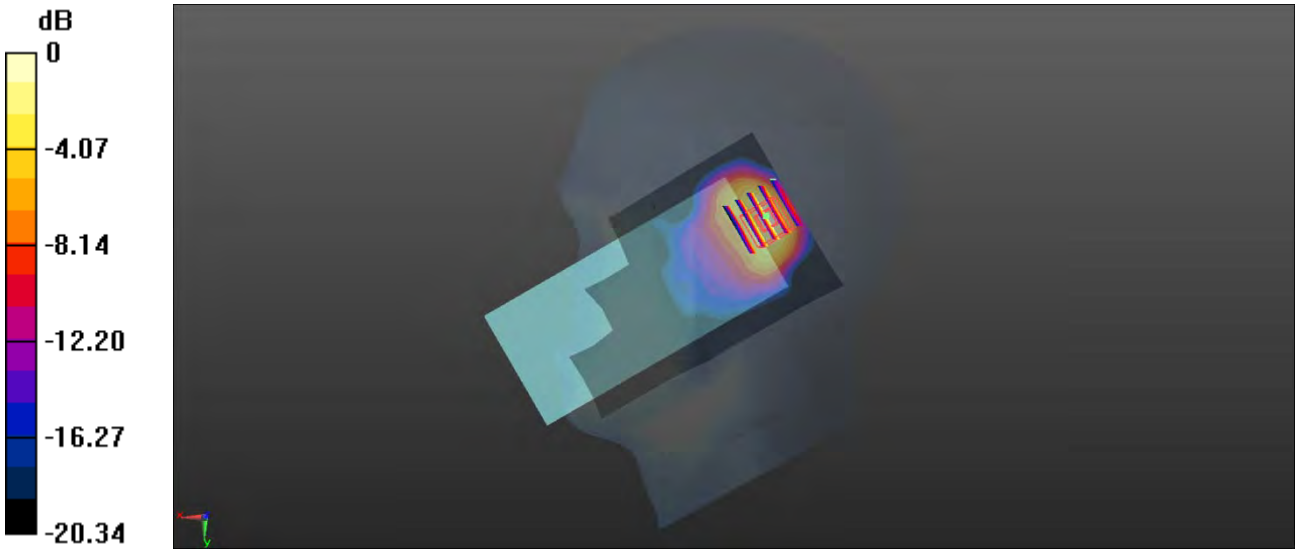
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.80 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.336 W/kg

Maximum value of SAR (measured) = 0.834 W/kg



0 dB = 0.834 W/kg

Meas.11 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band4 mode with ANT.4

Date: 2021.10.17

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

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.36 S/m; ε_r = 40.246; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.307 W/kg

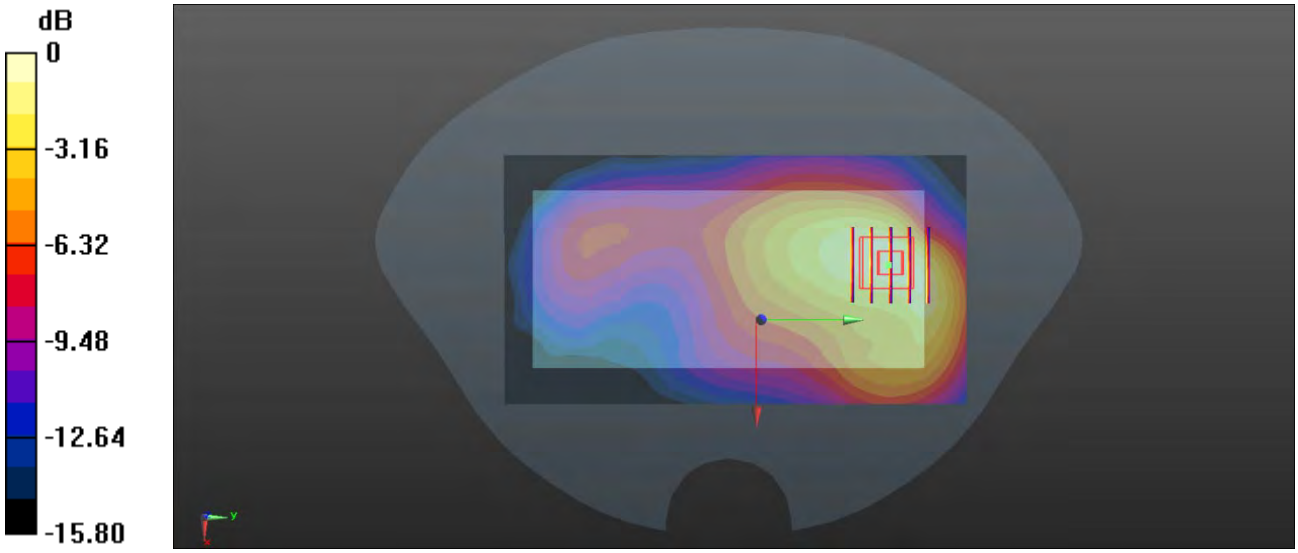
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.980 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.426 W/kg

SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.164 W/kg

Maximum value of SAR (measured) = 0.296 W/kg



0 dB = 0.296 W/kg

Meas.12 Body Plane with Bottom Edge 10mm on Middle Channel in WCDMA Band4 mode with ANT.4

Date: 2021.10.17

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

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.36 S/m; ε_r = 40.246; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.617 W/kg

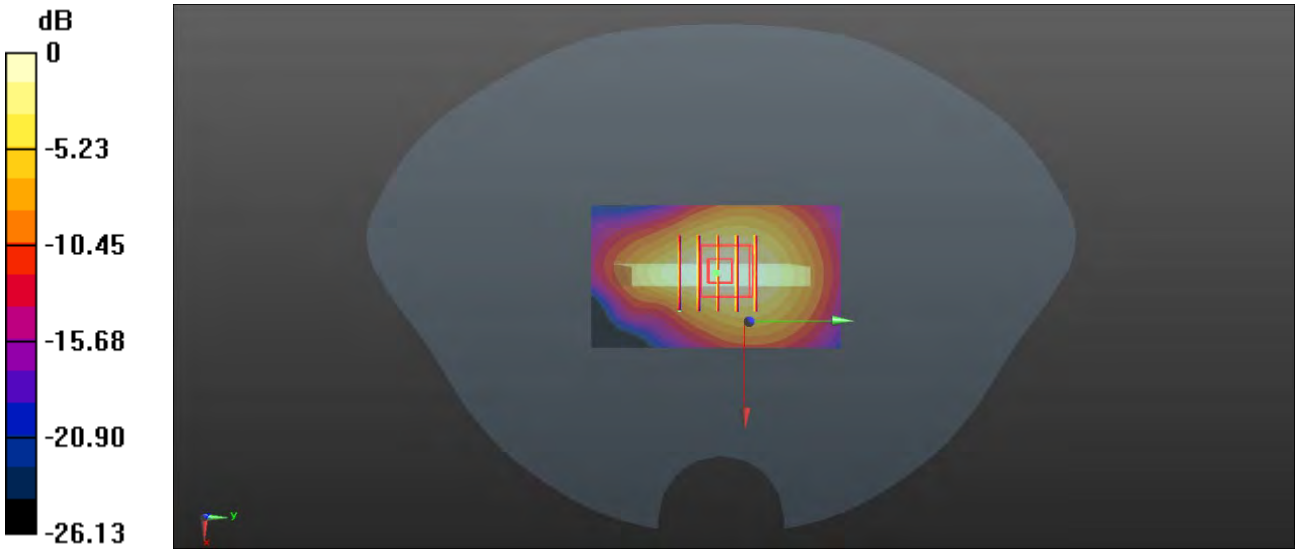
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.74 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.874 W/kg

SAR(1 g) = 0.528 W/kg; SAR(10 g) = 0.295 W/kg

Maximum value of SAR (measured) = 0.582 W/kg



0 dB = 0.582 W/kg

Meas.13 Body Plane with Top Edge 0mm on Middle Channel in WCDMA B4 mode with ANT.3

Date: 2021.10.17

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

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.36 S/m; ε_r = 40.246; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch1412/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.14 W/kg

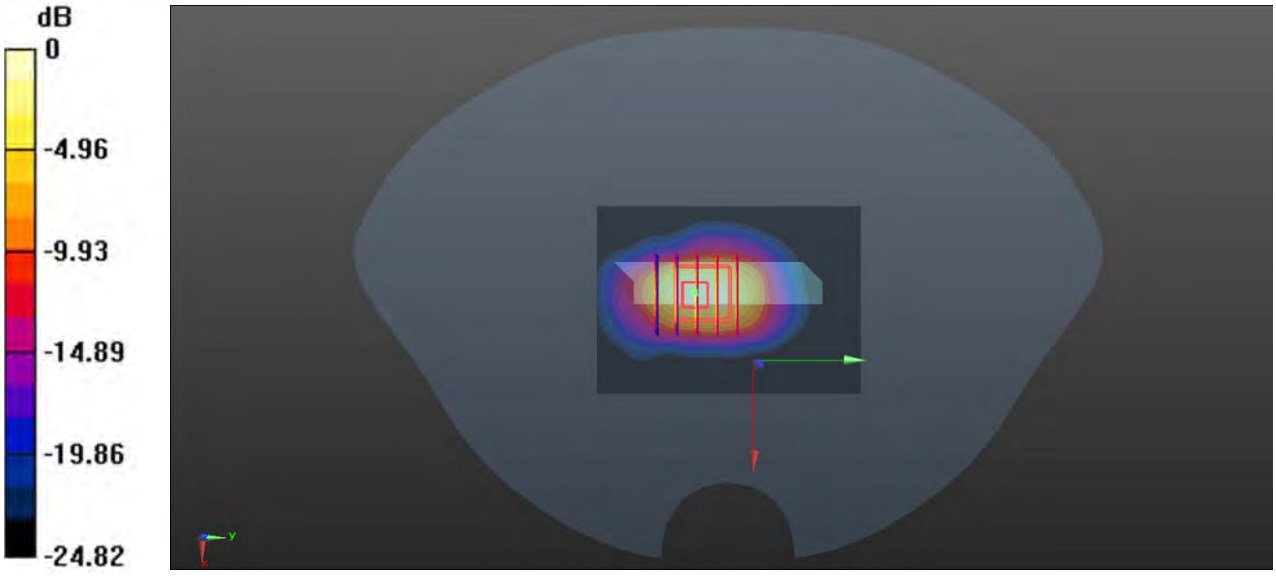
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.50 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 5.99 W/kg

SAR(1 g) = 2.55 W/kg; SAR(10 g) = 1.09 W/kg

Maximum value of SAR (measured) = 3.05 W/kg



0 dB = 3.05 W/kg

Meas.14 Left Head with Cheek on Middle Channel in WCDMA Band5 mode with ANT.0

Date: 2021.10.18

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.899 S/m; ε_r = 41.853; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.567 W/kg

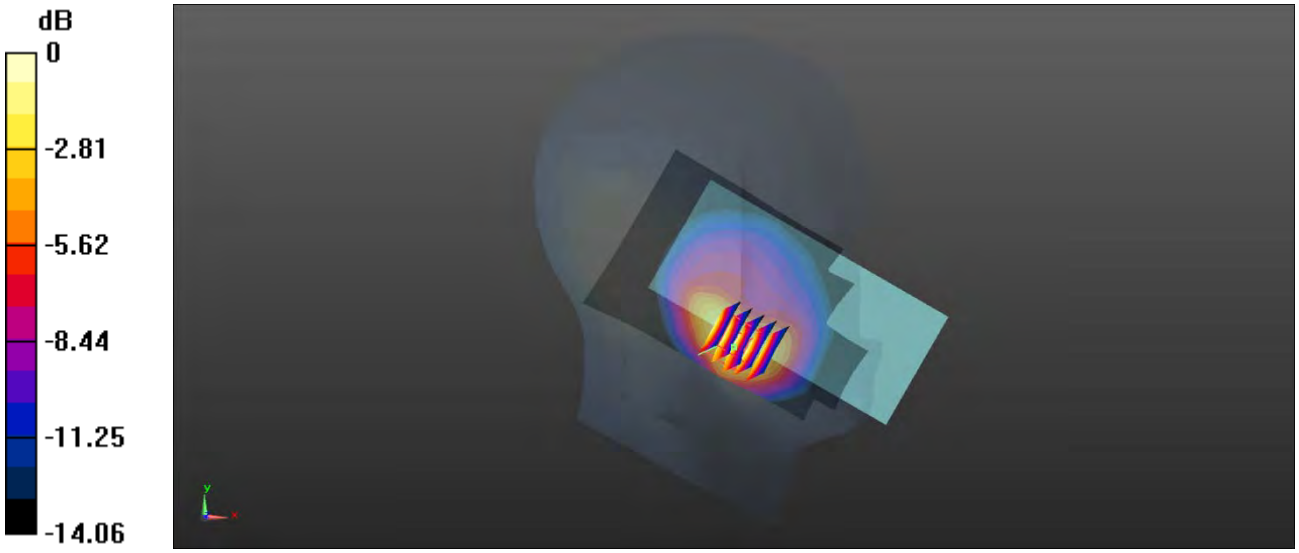
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.162 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.364 W/kg

Maximum value of SAR (measured) = 0.694 W/kg



0 dB = 0.694 W/kg

Meas.15 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band5 mode with ANT.1

Date: 2021.10.18

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.899 S/m; ε_r = 41.853; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.275 W/kg

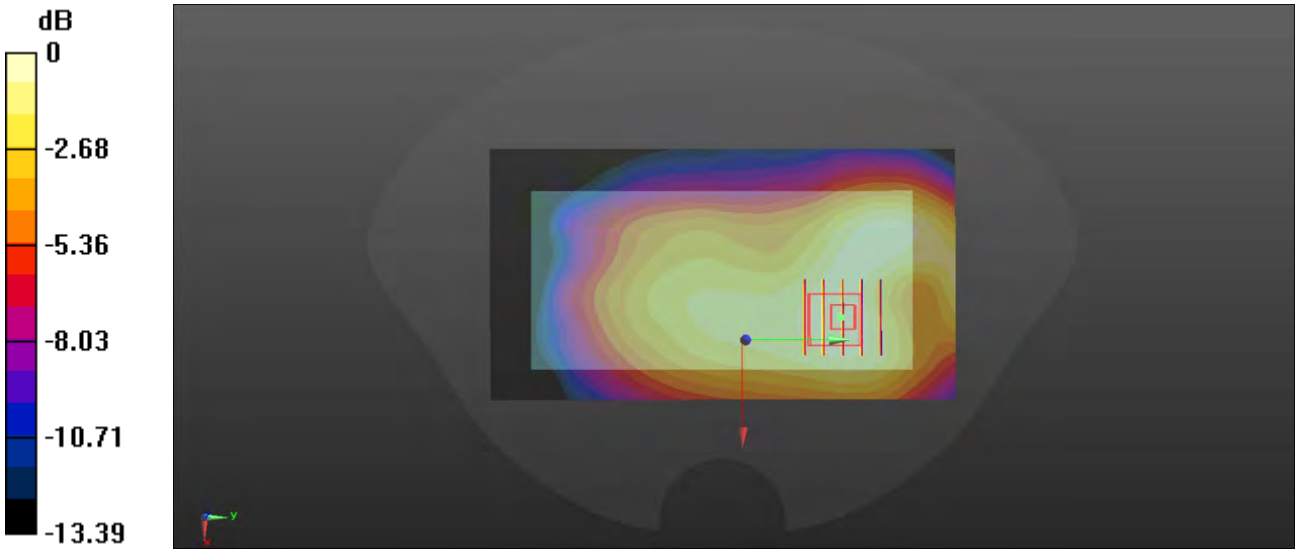
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.65 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.344 W/kg

SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.181 W/kg

Maximum value of SAR (measured) = 0.269 W/kg



0 dB = 0.269 W/kg

Meas.16 Body Plane with Right Edge 10mm on Middle Channel in WCDMA Band5 mode with ANT.0

Date: 2021.10.18

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.899 S/m; ε_r = 41.853; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch4182/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.704 W/kg

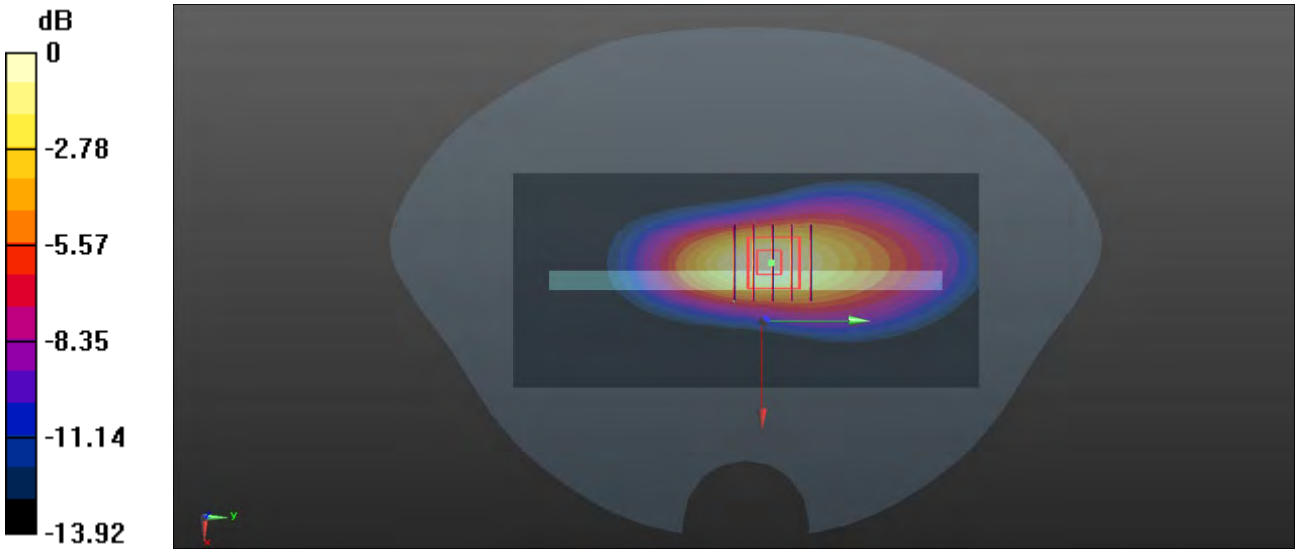
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.61 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.630 W/kg; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 0.704 W/kg



0 dB = 0.704 W/kg

Meas.17 Right Head with Tilt on Middle Channel in LTE Band2 mode with ANT.3

Date: 2021.10.11

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; σ = 1.389 S/m; ε_r = 40.056; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.652 W/kg

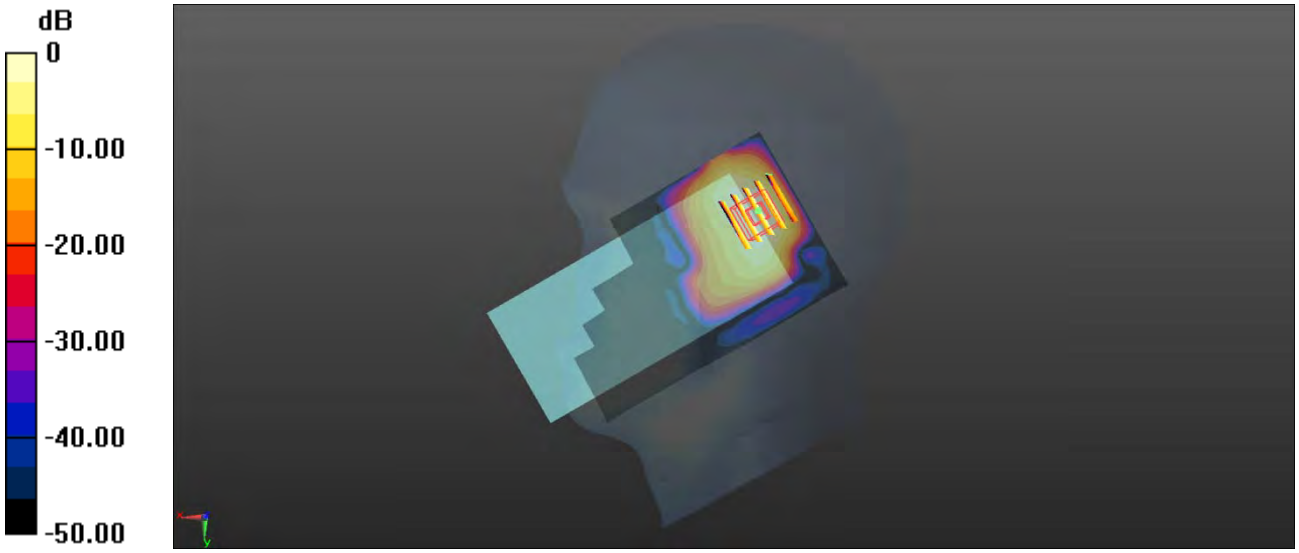
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.01 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.582 W/kg; SAR(10 g) = 0.270 W/kg

Maximum value of SAR (measured) = 0.642 W/kg



0 dB = 0.642 W/kg

Meas.18 Body Plane with Back Side 15mm on Middle Channel in LTE Band2 mode with ANT.4

Date: 2021.10.11

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.389 S/m; ε_r = 40.056; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.207 W/kg

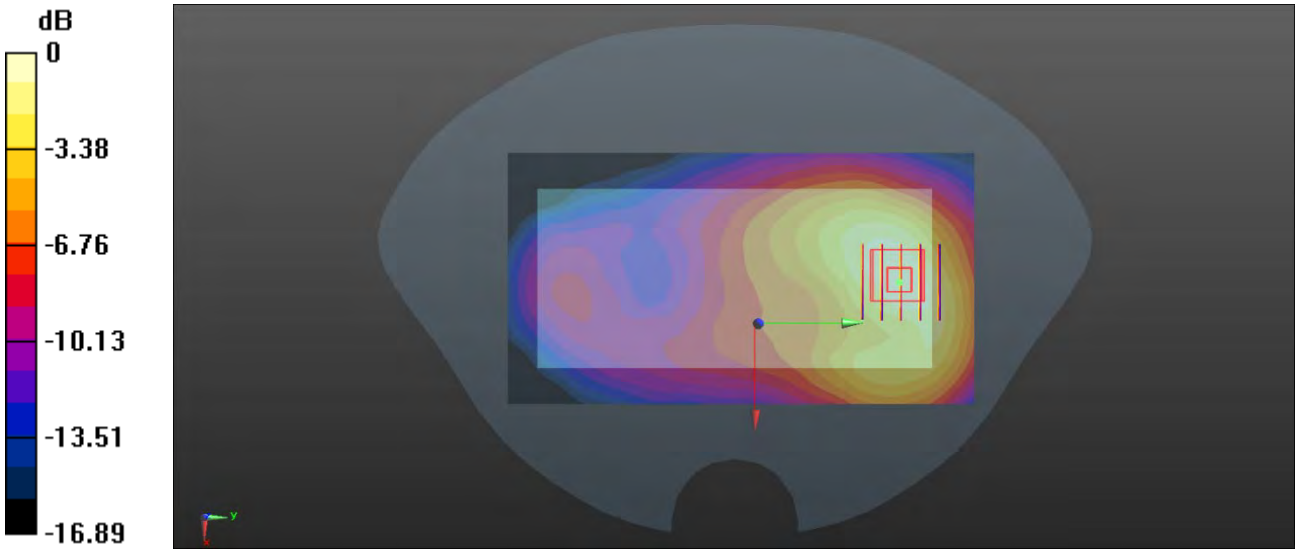
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.347 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.295 W/kg

SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.118 W/kg

Maximum value of SAR (measured) = 0.207 W/kg



0 dB = 0.207 W/kg

Meas.19 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band2 mode with ANT.4

Date: 2021.10.11

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; σ = 1.389 S/m; ε_r = 40.056; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

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

Ch18900/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.465 W/kg

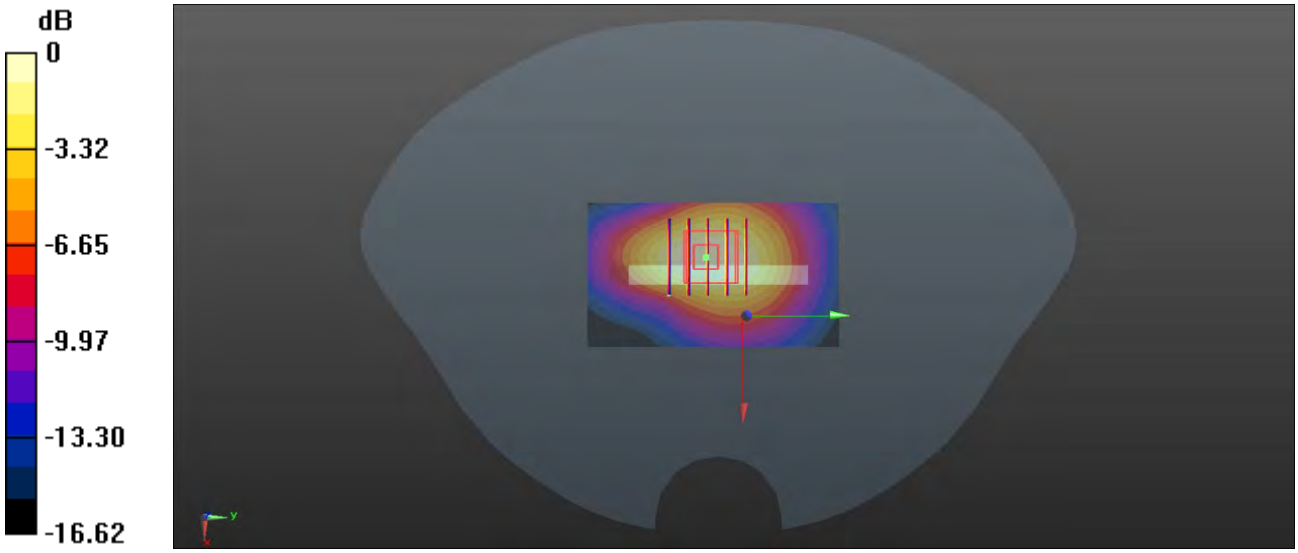
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.24 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.638 W/kg

SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.233 W/kg

Maximum value of SAR (measured) = 0.437 W/kg



0 dB = 0.437 W/kg

Meas.20 Right Head with Tilt on High Channel in LTE Band4 mode with ANT.3

Date: 2021.10.12

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; σ = 1.37 S/m; ε_r = 40.295; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.816 W/kg

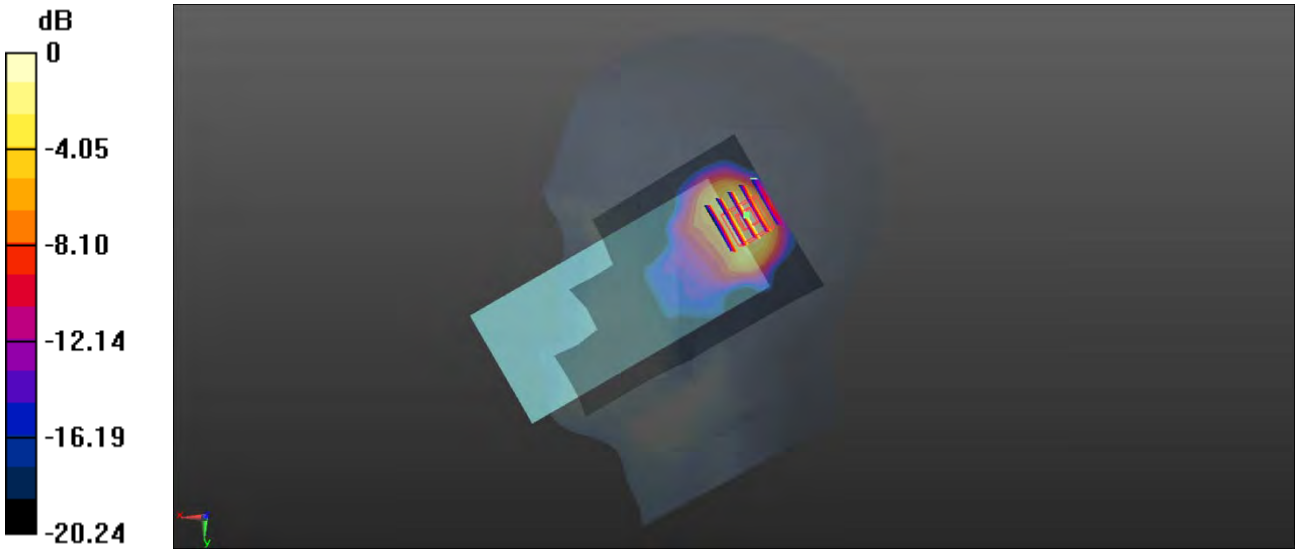
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.67 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.355 W/kg

Maximum value of SAR (measured) = 0.875 W/kg



0 dB = 0.875 W/kg

Meas.21 Body Plane with Back Side 15mm on Low Channel in LTE Band4 mode with ANT.4

Date: 2021.10.12

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; σ = 1.352 S/m; ε_r = 40.609; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.287 W/kg

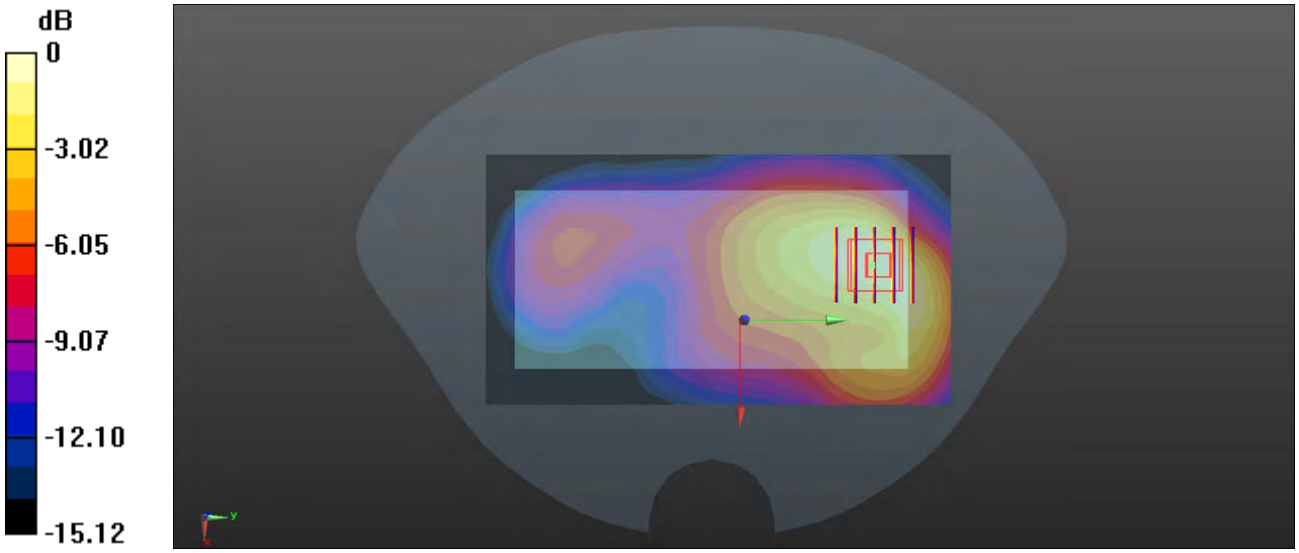
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.664 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.396 W/kg

SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.157 W/kg

Maximum value of SAR (measured) = 0.277 W/kg



0 dB = 0.277 W/kg

Meas.22 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band4 mode with ANT.4

Date: 2021.10.12

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.355 S/m; ε_r = 40.448; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch20175/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.644 W/kg

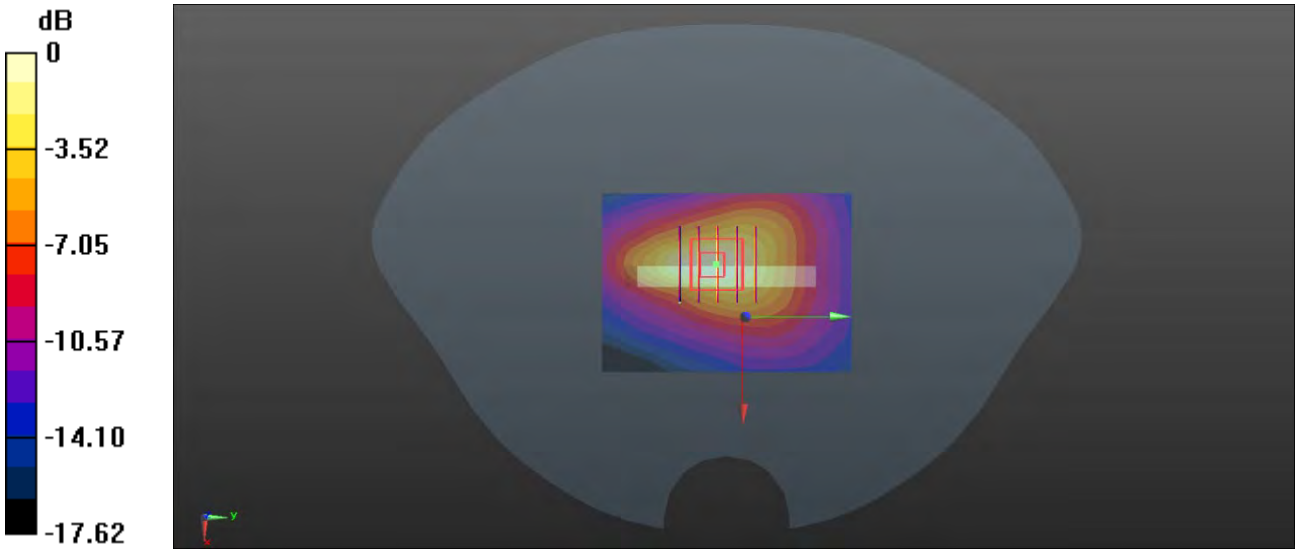
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.14 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.897 W/kg

SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.301 W/kg

Maximum value of SAR (measured) = 0.618 W/kg



0 dB = 0.618 W/kg

Meas.23 Body Plane with Top Edge 0mm on Middle Channel in LTE B4 mode with ANT.3

Date: 2021.10.12

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.355 S/m; ε_r = 40.448; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch20175/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 3.57 W/kg

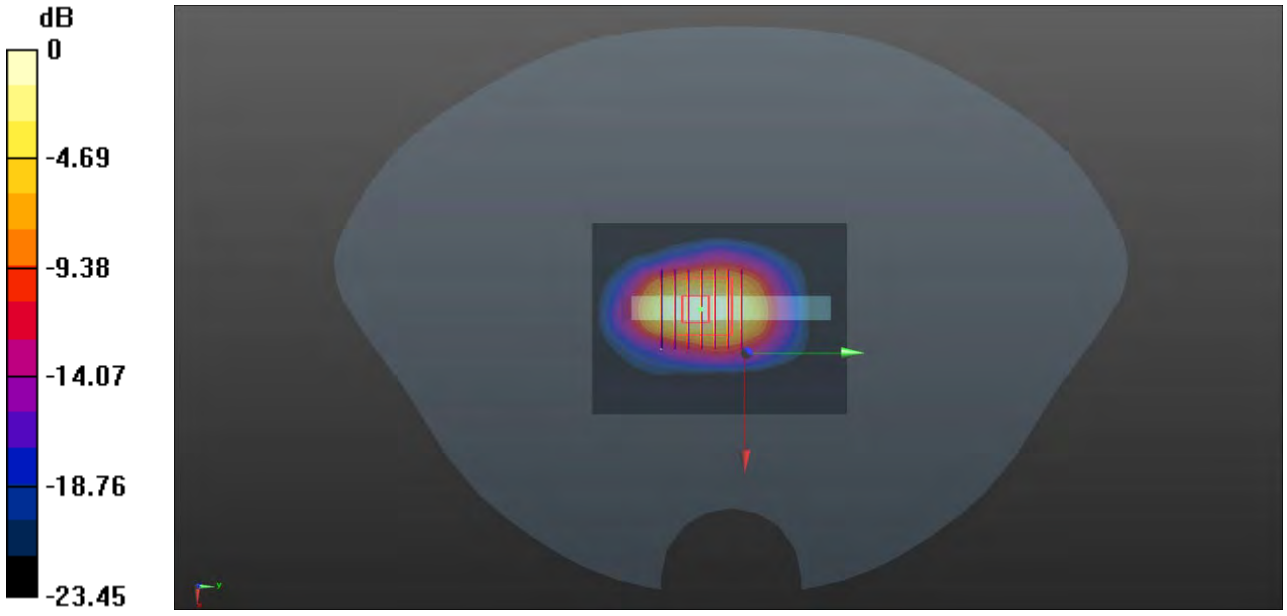
Ch20175/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 41.02 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 6.67 W/kg

SAR(1 g) = 2.66 W/kg; SAR(10 g) = 1.14 W/kg

Maximum value of SAR (measured) = 3.20 W/kg



0 dB = 3.20 W/kg

Meas.24 Left Head with Cheek on Low Channel in LTE Band5 mode with ANT.0

Date: 2021.10.14

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; σ = 0.892 S/m; ε_r = 42.067; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch20450/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.773 W/kg

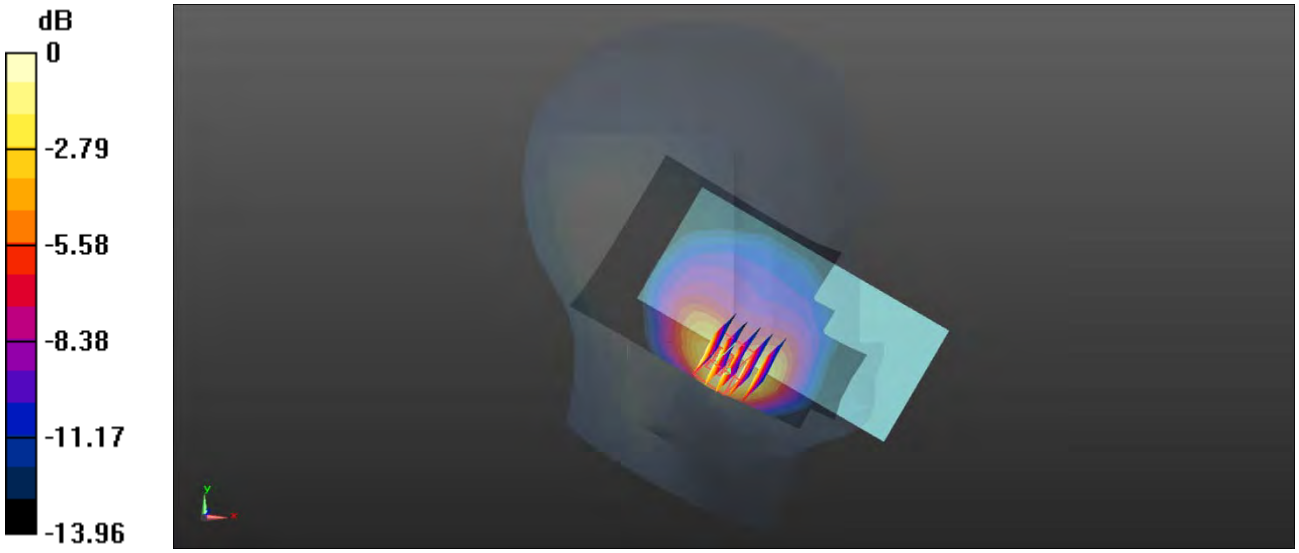
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.680 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.740 W/kg; SAR(10 g) = 0.385 W/kg

Maximum value of SAR (measured) = 0.582 W/kg



0 dB = 0.582 W/kg

Meas.25 Body Plane with Back Side 15mm on High Channel in LTE Band5 mode with ANT.1

Date: 2021.10.14

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 844 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 844 MHz; σ = 0.908 S/m; ε_r = 41.636; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch20600/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.234 W/kg

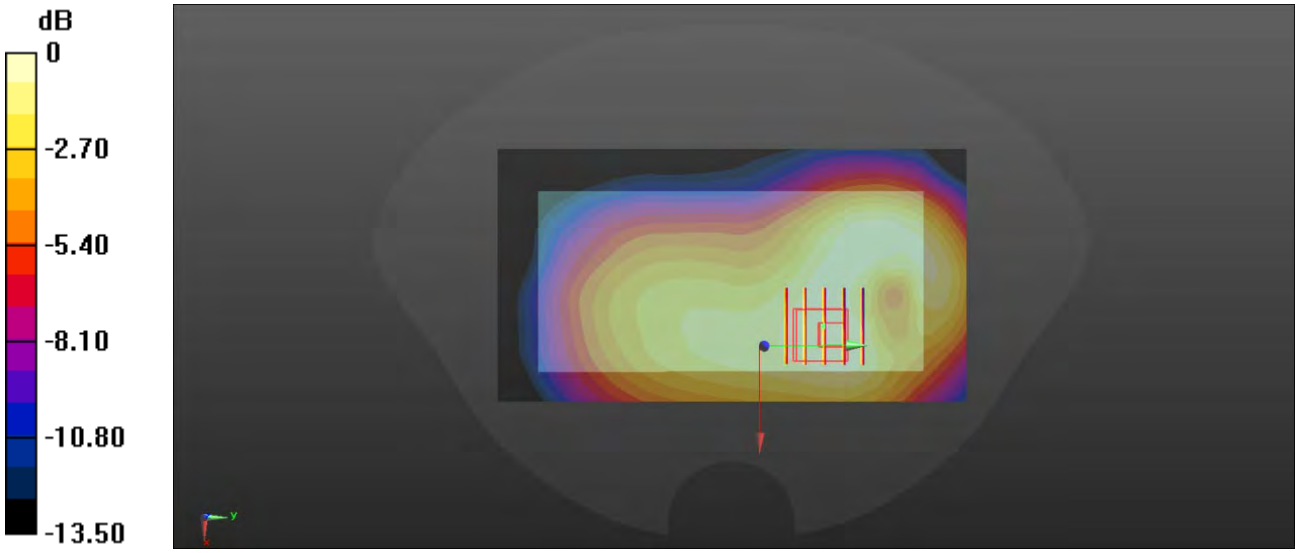
Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.36 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.306 W/kg

SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.156 W/kg

Maximum value of SAR (measured) = 0.231 W/kg



0 dB = 0.231 W/kg

Meas.26 Body Plane with Right Edge 10mm on High Channel in LTE Band5 mode with ANT.0

Date: 2021.10.14

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 844 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 844 MHz; σ = 0.908 S/m; ε_r = 41.636; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch20600/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.681 W/kg

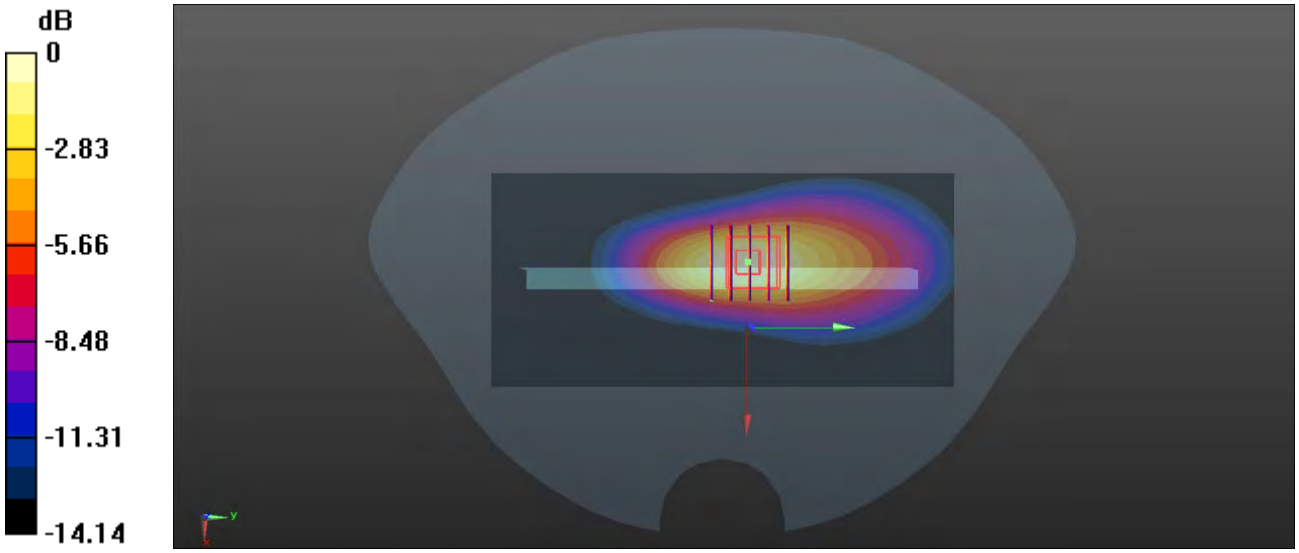
Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.41 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.609 W/kg; SAR(10 g) = 0.341 W/kg

Maximum value of SAR (measured) = 0.681 W/kg



0 dB = 0.681 W/kg

Meas.27 Right Head with Tilt on Middle Channel in LTE Band7 mode with ANT.3

Date: 2021.10.13

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; σ = 1.896 S/m; ε_r = 38.965; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.938 W/kg

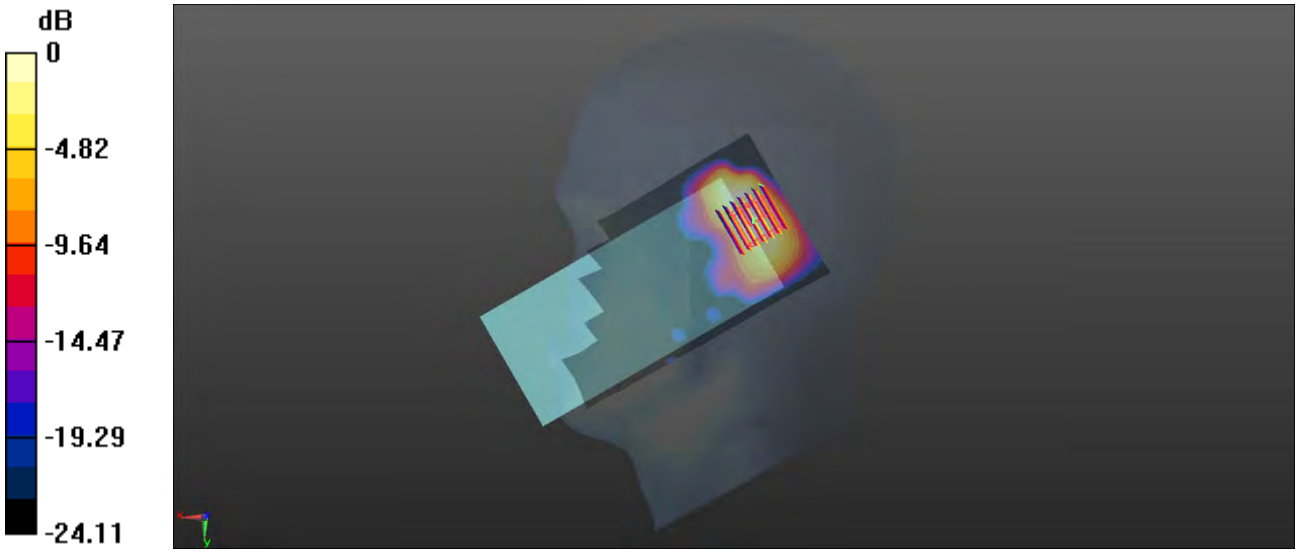
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.49 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.367 W/kg

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



0 dB = 1.03 W/kg

Meas.28 Body Plane with Front Side 15mm on High Channel in LTE Band7 mode with ANT.4

Date: 2021.10.13

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2560 MHz; σ = 1.925 S/m; ε_r = 38.786; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.144 W/kg

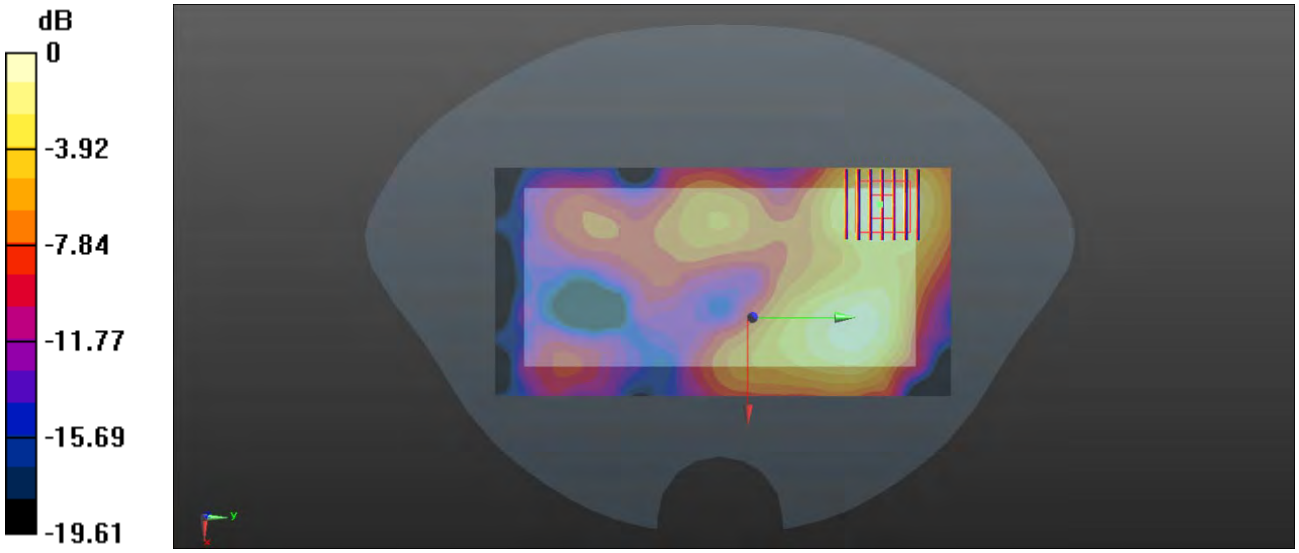
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.196 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.069 W/kg

Maximum value of SAR (measured) = 0.147 W/kg



0 dB = 0.147 W/kg

Meas.29 Body Plane with Top Edge 10mm on Middle Channel in LTE Band7 mode with ANT.3

Date: 2021.10.13

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; σ = 1.896 S/m; ε_r = 38.965; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.470 W/kg

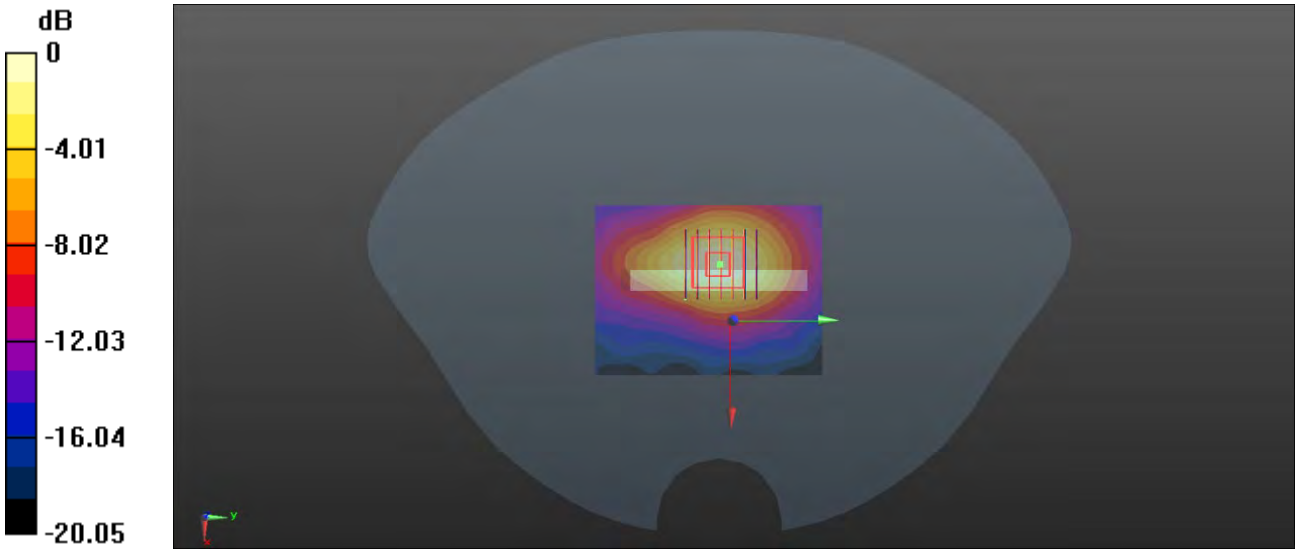
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.75 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.784 W/kg

SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.206 W/kg

Maximum value of SAR (measured) = 0.460 W/kg



0 dB = 0.460 W/kg

Meas.30 Body Plane with Top Edge 0mm on Middle Channel in LTE B7 mode with ANT.3

Date: 2021.10.13

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; σ = 1.896 S/m; ε_r = 38.965; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 2.48 W/kg

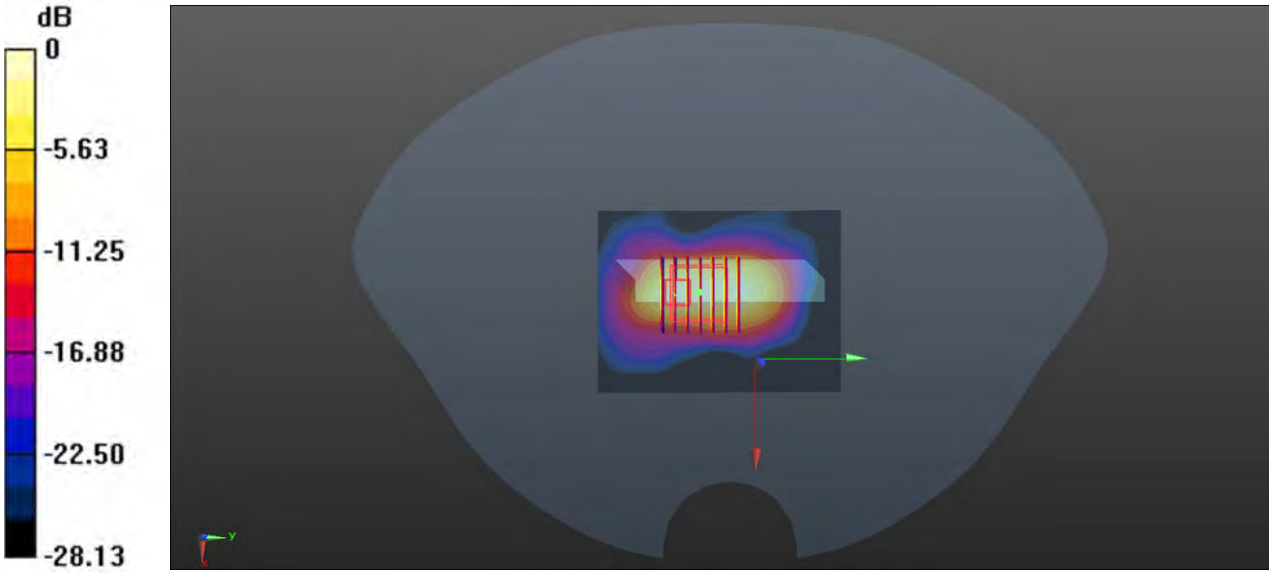
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.92 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 7.14 W/kg

SAR(1 g) = 2.12 W/kg; SAR(10 g) = 0.763 W/kg

Maximum value of SAR (measured) = 2.61 W/kg



0 dB = 2.61 W/kg

Meas.31 Left Head with Cheek on High Channel in LTE Band 12 mode with ANT.0

Date: 2021.09.30

Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 711 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 711 MHz; σ = 0.888 S/m; ε_r = 42.3; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch23130/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.616 W/kg

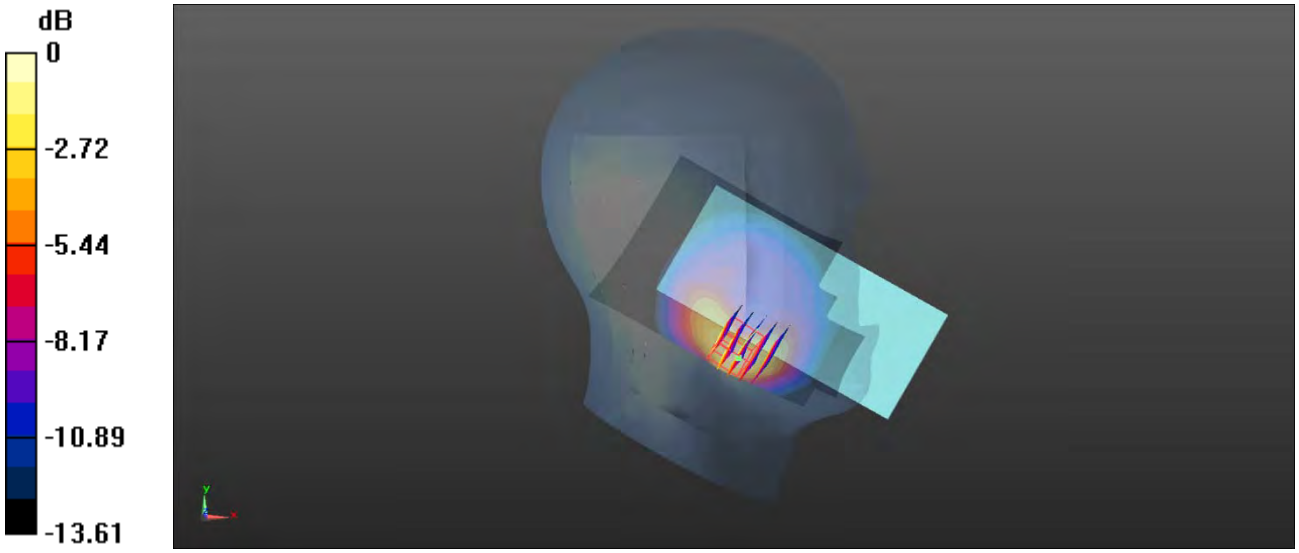
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.675 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.582 W/kg; SAR(10 g) = 0.311 W/kg

Maximum value of SAR (measured) = 0.652 W/kg



0 dB = 0.652 W/kg

Meas.32 Body Plane with Back Side 15mm on High Channel in LTE Band 12 mode with ANT.1

Date: 2021.9.30

Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 711 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 711 MHz; σ = 0.888 S/m; ε_r = 42.3; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch23130/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.270 W/kg

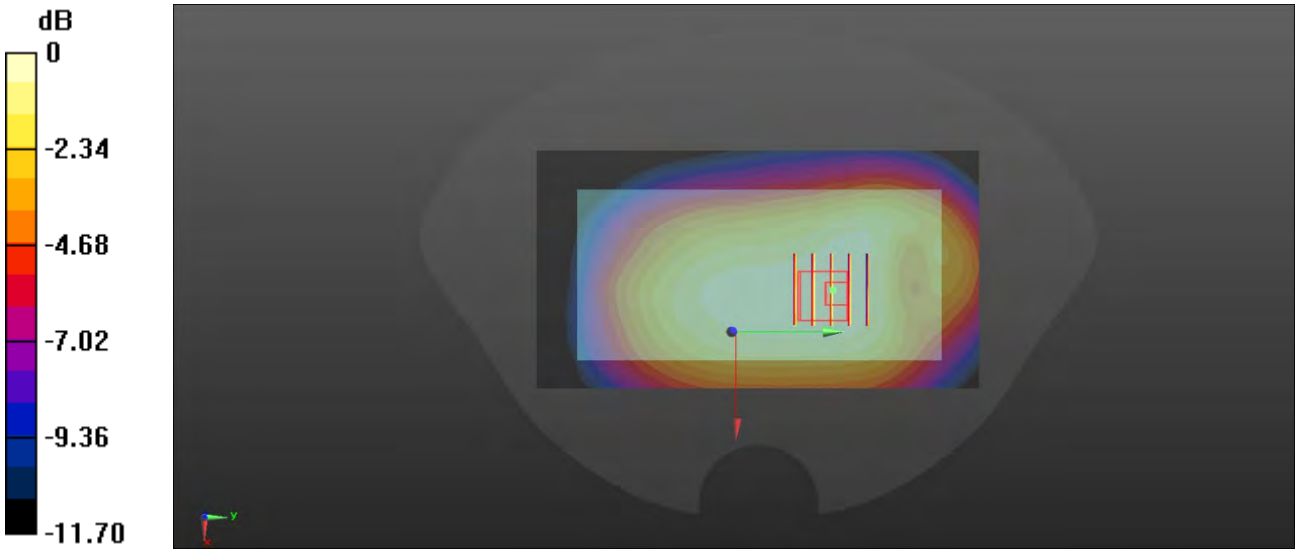
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.98 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.332 W/kg

SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.187 W/kg

Maximum value of SAR (measured) = 0.261 W/kg



0 dB = 0.261 W/kg

Meas.33 Body Plane with Right Edge 10mm on High Channel in LTE Band12 mode with ANT.0

Date: 2021.09.30

Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 711 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 711 MHz; σ = 0.888 S/m; ε_r = 42.3; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch23130/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.636 W/kg

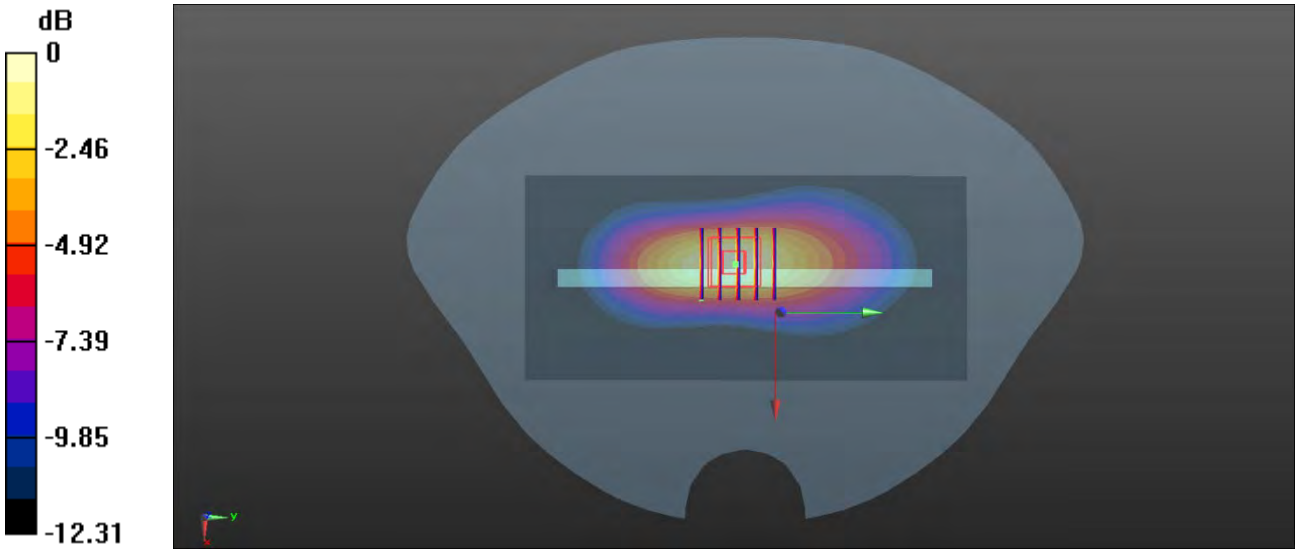
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.94 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.978 W/kg

SAR(1 g) = 0.587 W/kg; SAR(10 g) = 0.343 W/kg

Maximum value of SAR (measured) = 0.650 W/kg



0 dB = 0.650 W/kg

Meas.34 Left Head with Cheek on Middle Channel in LTE Band13 mode with ANT.0

Date: 2021.10.04

Communication System Band: Band 13, E-UTRA/FDD (777.0 - 787.0 MHz); Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.912 S/m; ε_r = 41.504; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch23230/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.352 W/kg

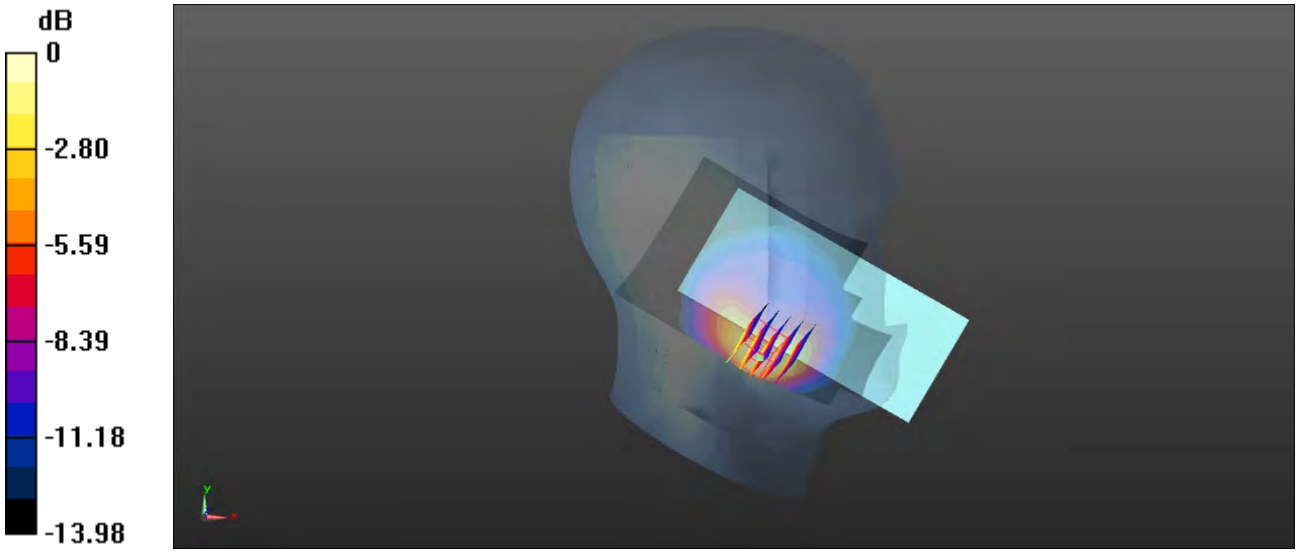
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.218 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.643 W/kg

SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.174 W/kg

Maximum value of SAR (measured) = 0.367 W/kg



0 dB = 0.367 W/kg

Meas.35 Body Plane with Back Side 15mm on Middle Channel in LTE Band13 mode with ANT.1

Date: 2021.10.04

Communication System Band: Band 13, E-UTRA/FDD (777.0 - 787.0 MHz); Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.912 S/m; ε_r = 41.504; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch23230/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.189 W/kg

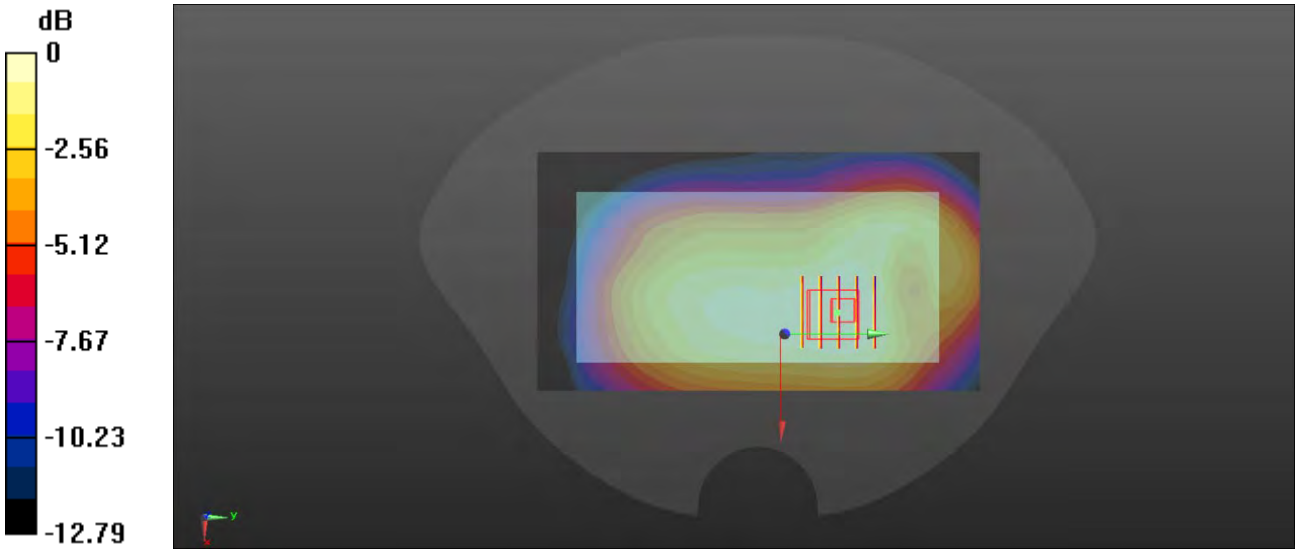
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.92 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.232 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.180 W/kg



0 dB = 0.180 W/kg

Meas.36 Body Plane with Right Edge 10mm on Middle Channel in LTE Band13 mode with ANT.0

Date: 2021.10.04

Communication System Band: Band 13, E-UTRA/FDD (777.0 - 787.0 MHz); Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.912 S/m; ε_r = 41.504; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch23230/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

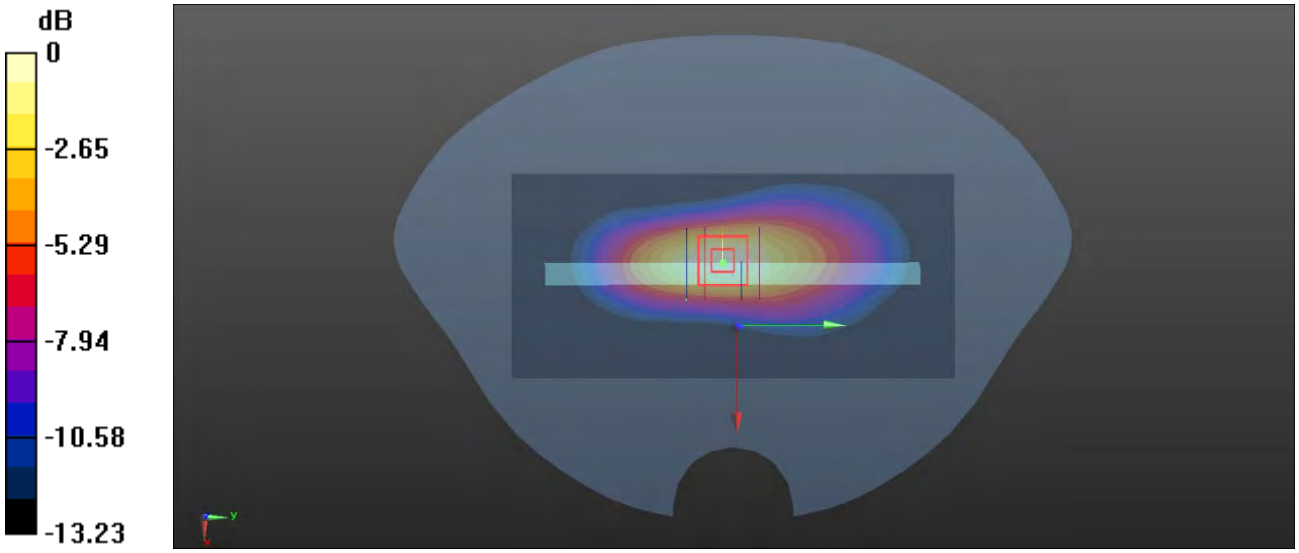
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.19 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.562 W/kg

SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.184 W/kg

Maximum value of SAR (measured) = 0.360 W/kg



0 dB = 0.360 W/kg

Meas.37 Right Head with Tilt on Middle Channel in LTE Band25 mode with ANT.3

Date: 2021.10.06

Communication System Band: Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz); Frequency: 1882.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.379 S/m; ε_r = 40.429; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch26365/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.485 W/kg

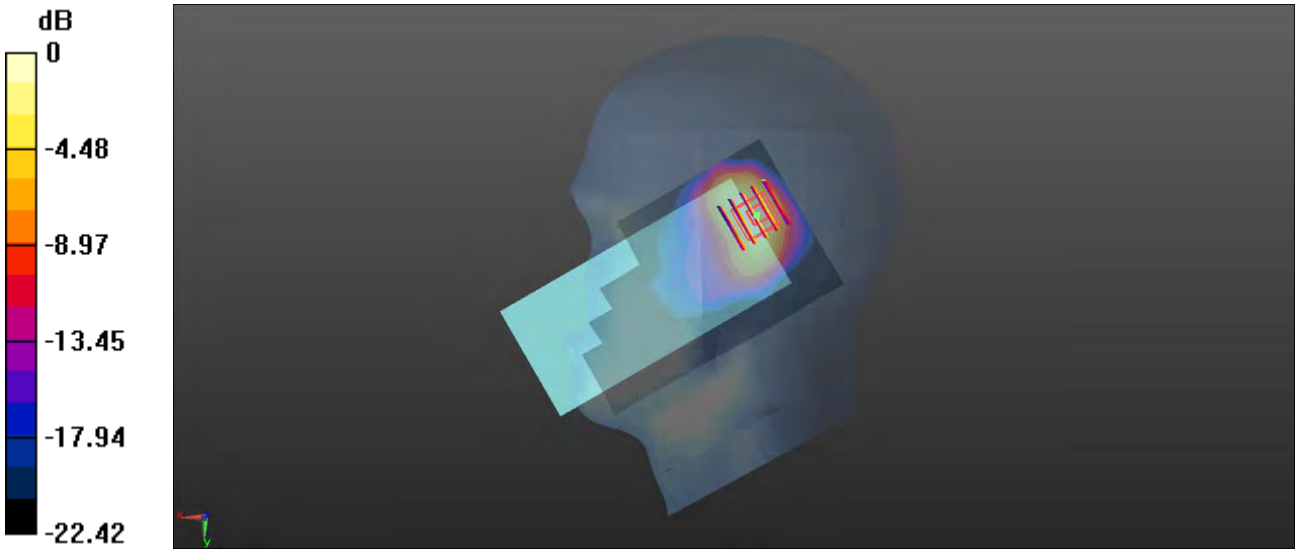
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.66 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.966 W/kg

SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.228 W/kg

Maximum value of SAR (measured) = 0.579 W/kg



0 dB = 0.579 W/kg

Meas.38 Body Plane with Back Side 15mm on Middle Channel in LTE Band25 mode with ANT.4

Date: 2021.10.06

Communication System Band: Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz); Frequency: 1882.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.379 S/m; ε_r = 40.429; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch26365/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.197 W/kg

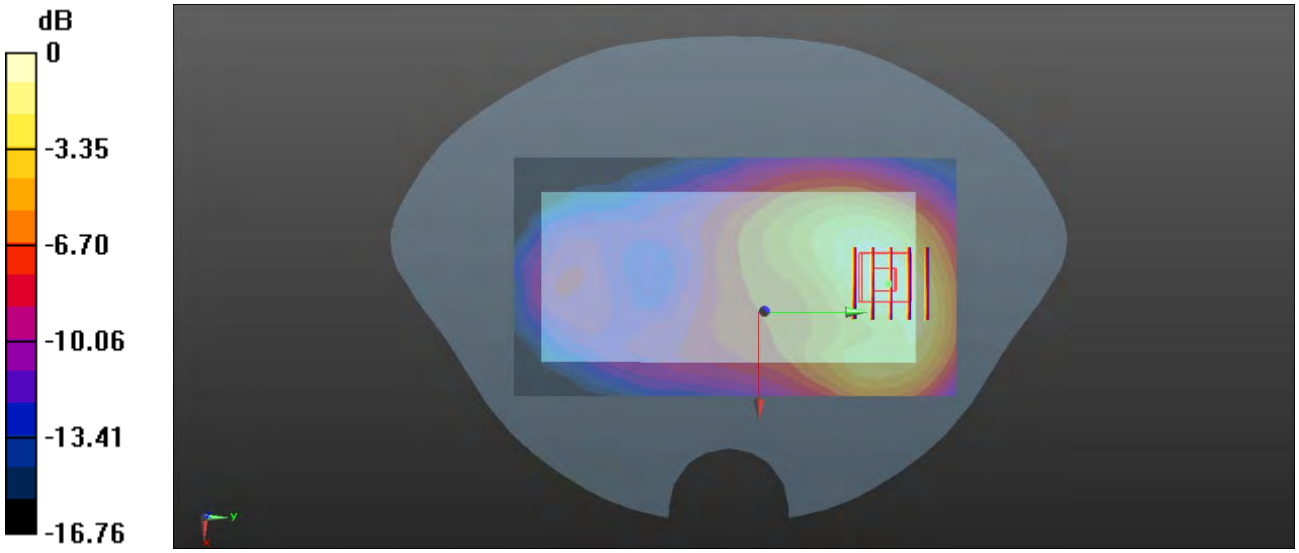
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.169 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.280 W/kg

SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.197 W/kg



0 dB = 0.197 W/kg

Meas.39 Body Plane with Top Edge 10mm on Middle Channel in LTE Band25 mode with ANT.3

Date: 2021.10.06

Communication System Band: Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz); Frequency: 1882.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.379 S/m; ε_r = 40.429; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch26365/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.416 W/kg

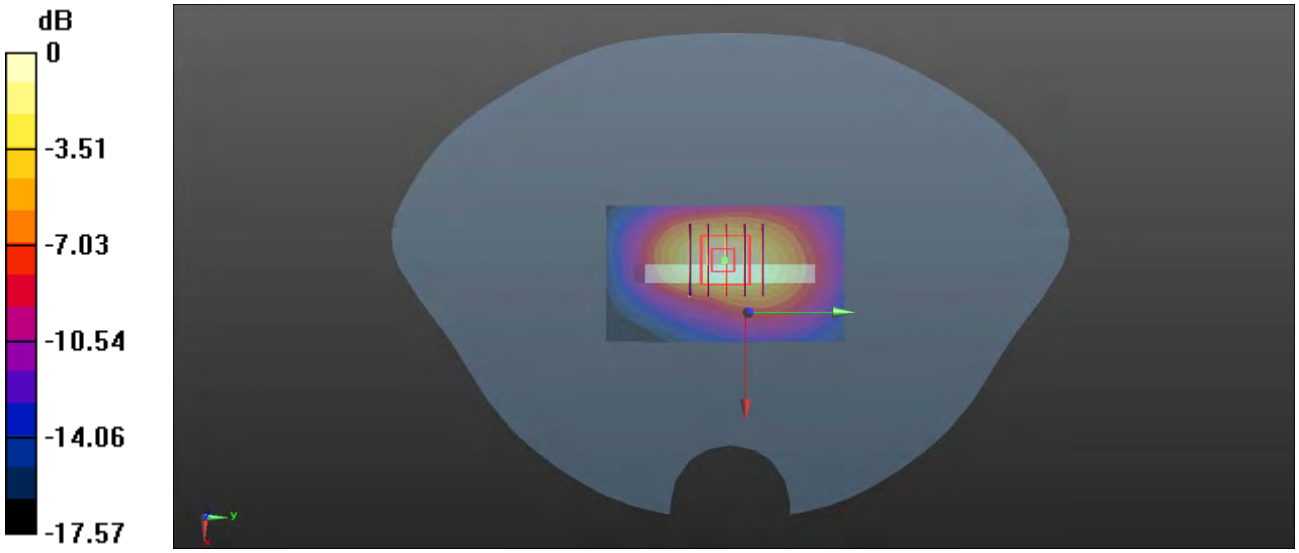
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.51 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.610 W/kg

SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.192 W/kg

Maximum value of SAR (measured) = 0.405 W/kg



0 dB = 0.405 W/kg

Meas.40 Left Head with Cheek on Low Channel in LTE Band26 mode with ANT.0

Date: 2021.10.07

Communication System Band: Band26; Frequency: 821.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 821.5 MHz; σ = 0.886 S/m; ε_r = 42.117; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.0 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch26765/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

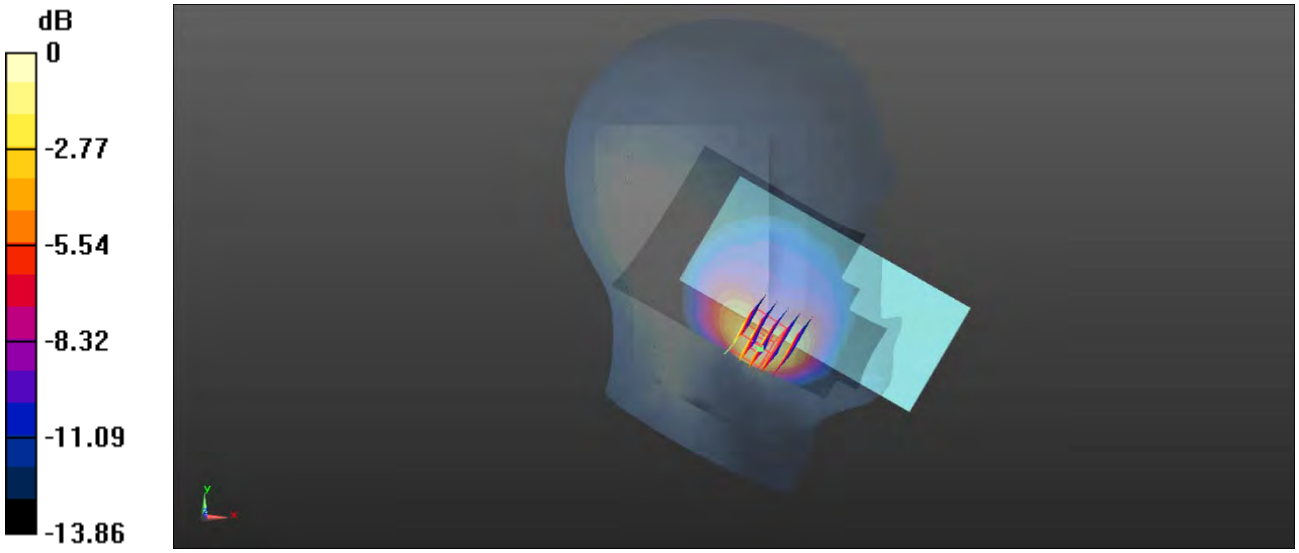
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.410 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.986 W/kg

SAR(1 g) = 0.485 W/kg; SAR(10 g) = 0.266 W/kg

Maximum value of SAR (measured) = 0.565 W/kg



0 dB = 0.565 W/kg

Meas.41 Body Plane with Back Side 15mm on Middle Channel in LTE Band26 mode with ANT.1

Date: 2021.10.07

Communication System Band: Band26; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.894 S/m; ε_r = 41.942; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.0 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch26865/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.177 W/kg

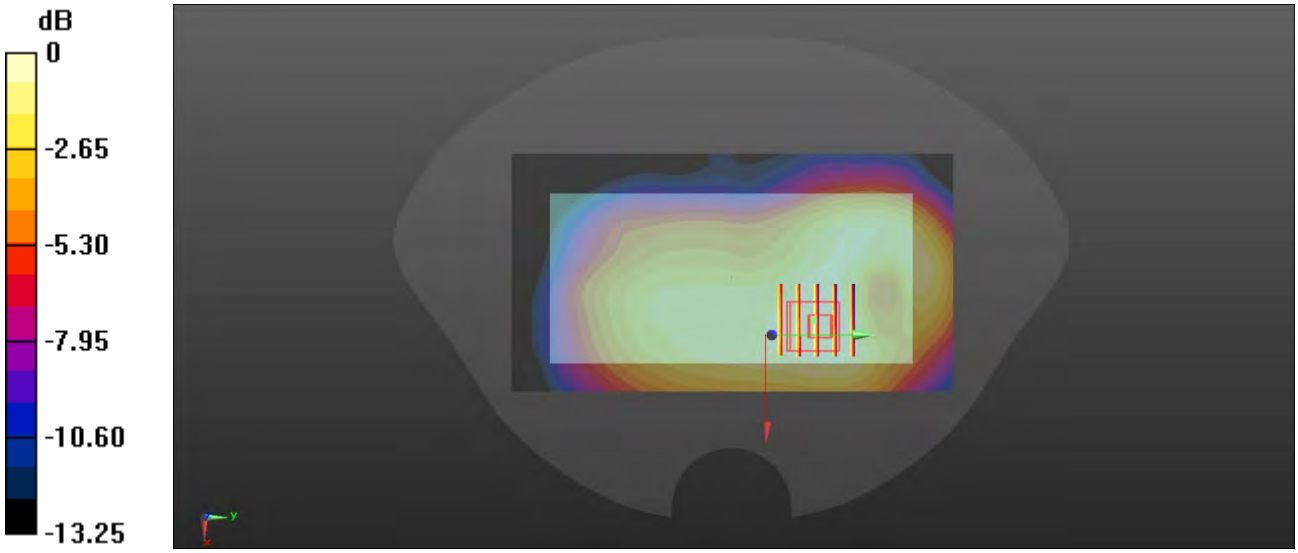
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.70 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.227 W/kg

SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.175 W/kg



0 dB = 0.175 W/kg

Meas.42 Body Plane with Right Edge 10mm on Middle Channel in LTE Band26 mode with ANT.0

Date: 2021.10.07

Communication System Band: Band26; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.894 S/m; ε_r = 41.942; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.0 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch26865/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.517 W/kg

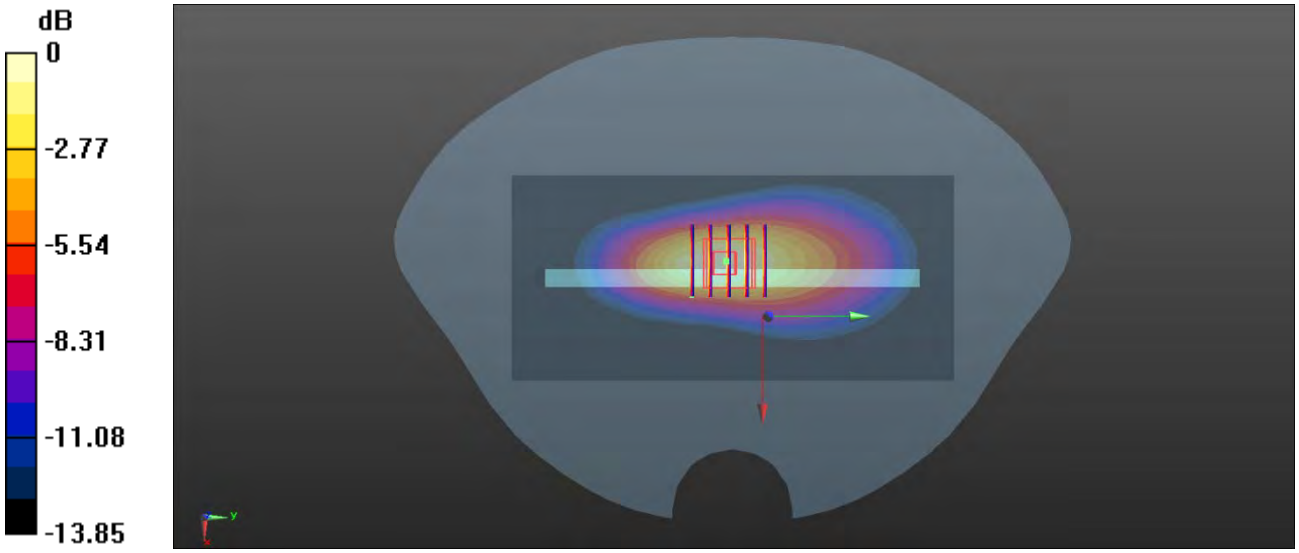
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.54 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.836 W/kg

SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.262 W/kg

Maximum value of SAR (measured) = 0.525 W/kg



0 dB = 0.525 W/kg

Meas.43 Right Head with Tilt on Middle Channel in LTE Band66 mode with ANT.3

Date: 2021.10.08

Communication System Band: Band66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.376 S/m; ε_r = 40.206; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch132322/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

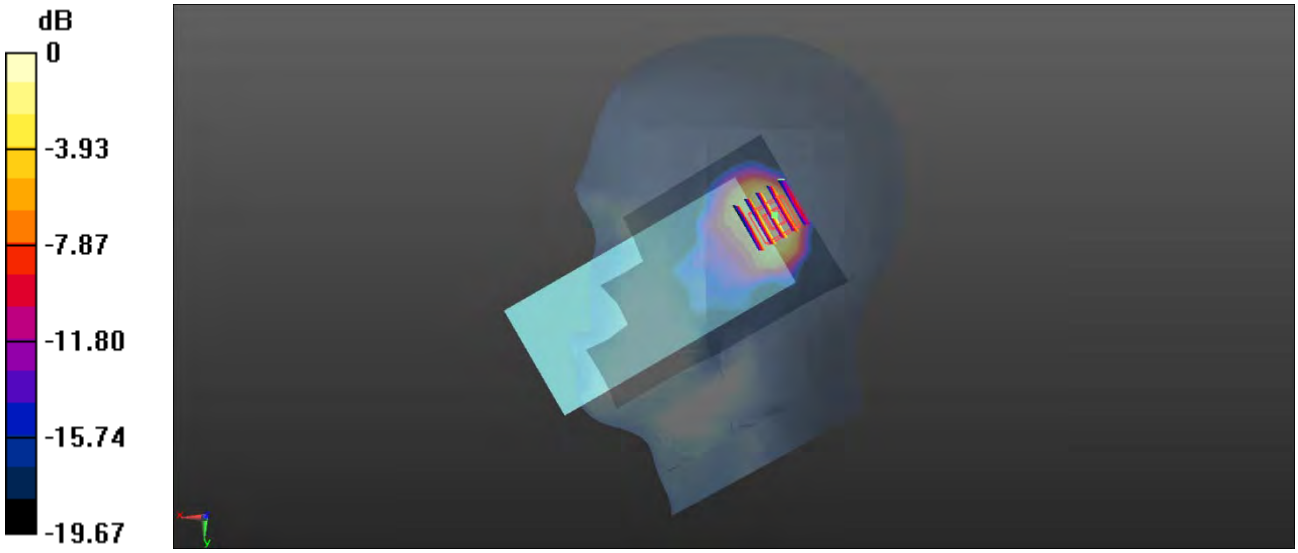
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.49 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.315 W/kg

Maximum value of SAR (measured) = 0.773 W/kg



0 dB = 0.773 W/kg

Meas.44 Body Plane with Back Side 15mm on Low Channel in LTE Band66 mode with ANT.4

Date: 2021.10.08

Communication System Band: Band66; Frequency: 1720 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.358 S/m; ε_r = 40.507; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch132072/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

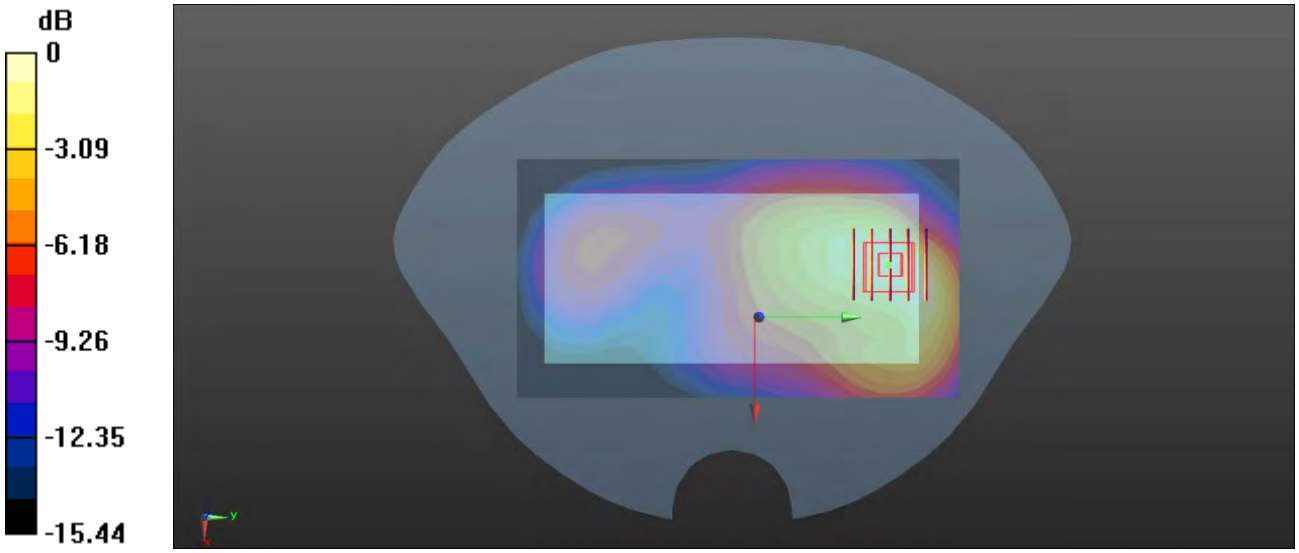
Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.493 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.408 W/kg

SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.163 W/kg

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



0 dB = 0.289 W/kg

Meas.45 Body Plan with Bottom Edge 10mm on Low Channel in LTE Band66 mode with ANT.4

Date: 2021.10.08

Communication System Band: Band66; Frequency: 1720 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.358 S/m; ε_r = 40.507; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch132072/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.509 W/kg

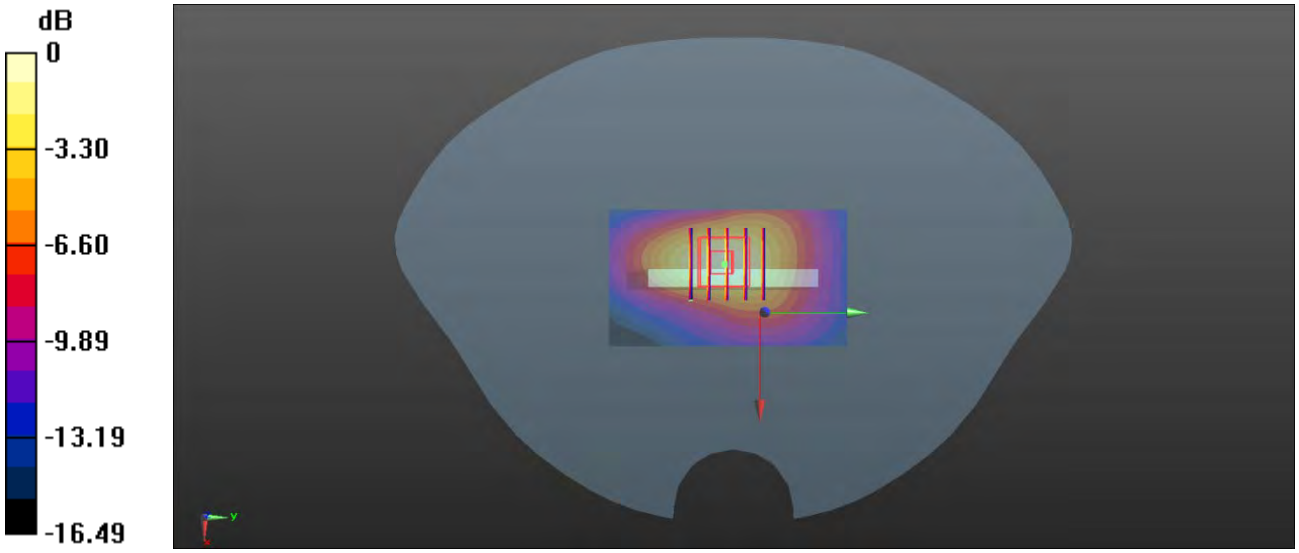
Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.26 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.727 W/kg

SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.261 W/kg

Maximum value of SAR (measured) = 0.514 W/kg



0 dB = 0.514 W/kg

Meas.46 Right Head with Tilt on Low Channel in LTE Band38 mode with ANT.3

Date: 2021.10.09

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; σ = 1.948 S/m; ε_r = 38.756; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

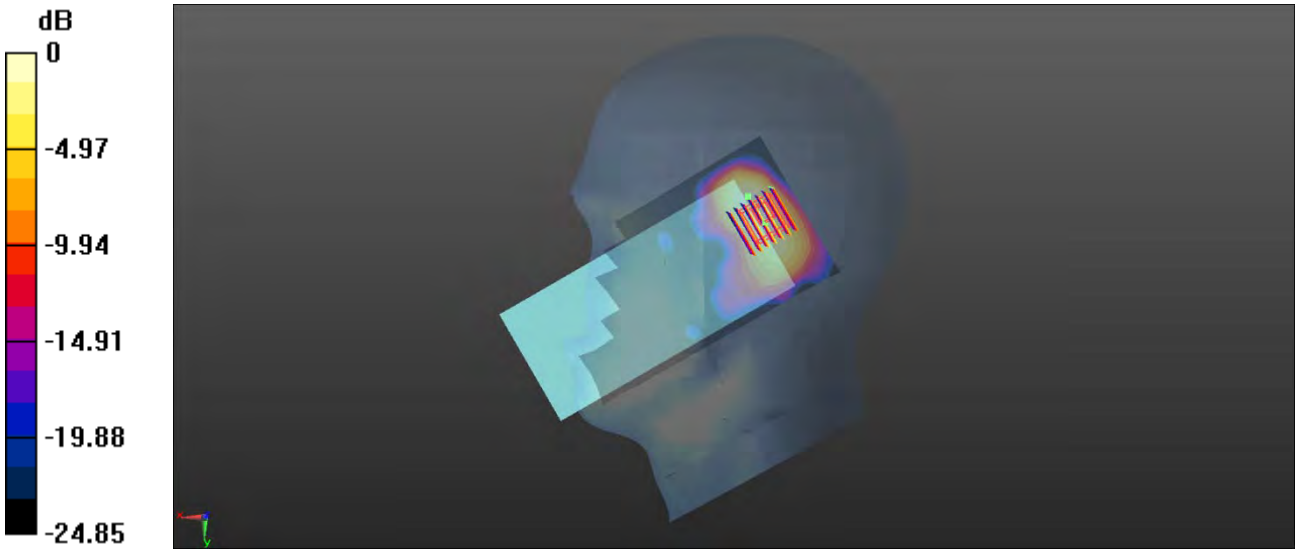
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.80 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.53 W/kg

SAR(1 g) = 0.995 W/kg; SAR(10 g) = 0.417 W/kg

Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg

Meas.47 Body Plane with Front Side 15mm on High Channel in LTE Band38 mode with ANT.4

Date: 2021.10.09

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; σ = 1.987 S/m; ε_r = 38.526; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.172 W/kg

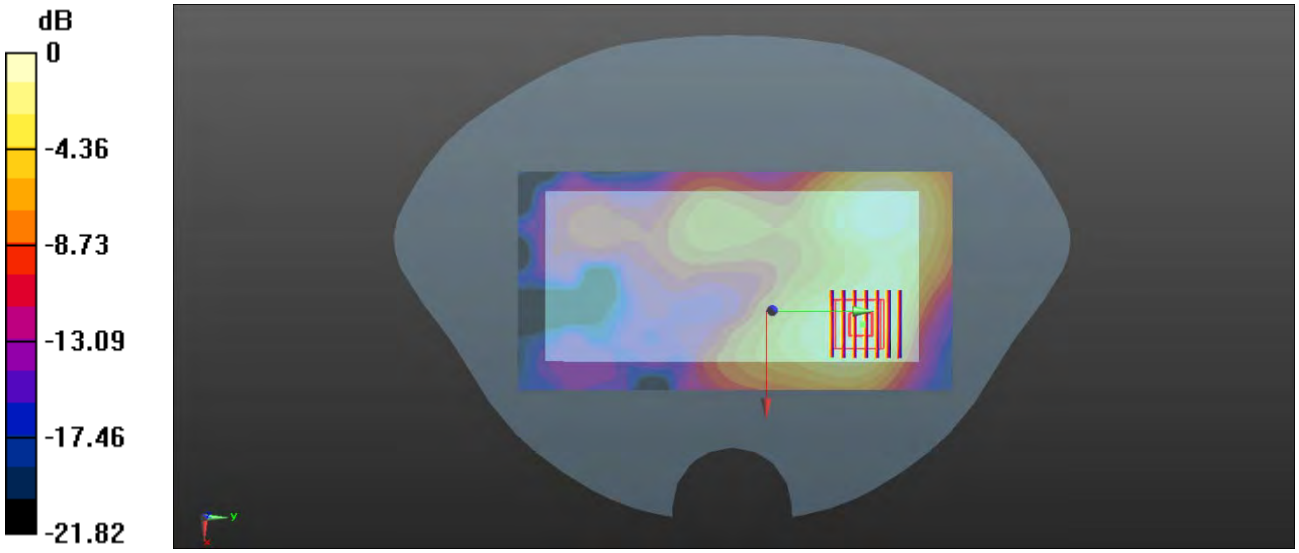
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.727 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.273 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.083 W/kg

Maximum value of SAR (measured) = 0.165 W/kg



0 dB = 0.165 W/kg

Meas.48 Body Plane with Top Edge 10mm on Middle Channel in LTE Band38 mode with ANT.3

Date: 2021.10.09

Communication System Band:Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2595 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.967 S/m; ε_r = 38.639; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (51x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.533 W/kg

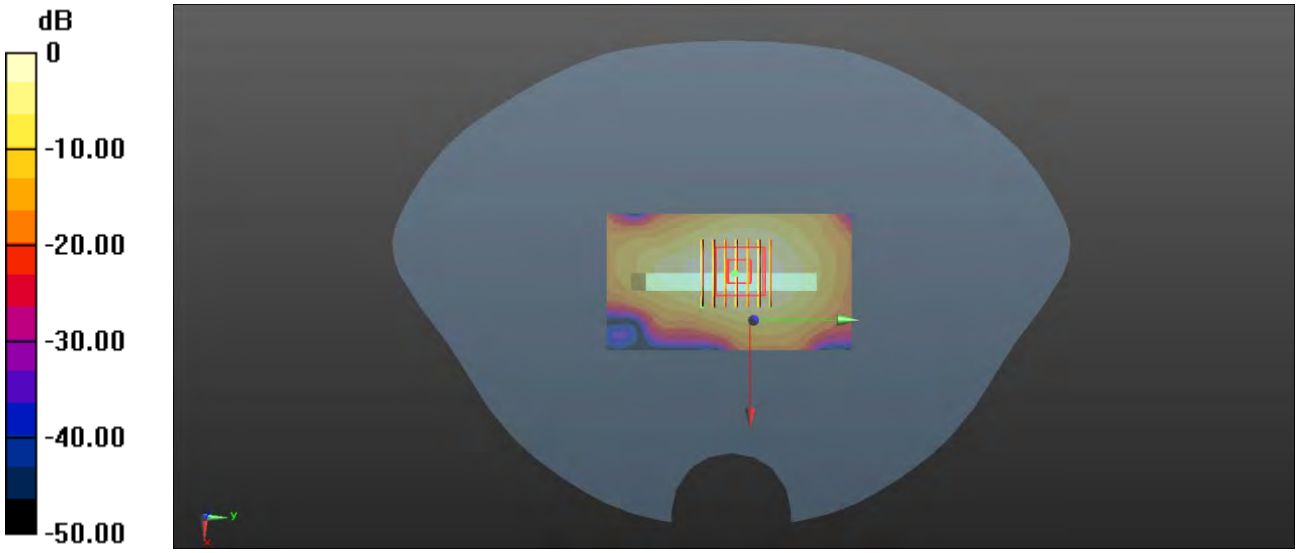
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.29 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.910 W/kg

SAR(1 g) = 0.468 W/kg; SAR(10 g) = 0.225 W/kg

Maximum value of SAR (measured) = 0.525 W/kg



0 dB = 0.525 W/kg

Meas.49 Right Head with Tilt on Middle Channel in LTE Band41 mode with ANT.3

Date: 2021.10.10

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2593 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2593 MHz; σ = 1.965 S/m; ε_r = 38.473; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.829 W/kg

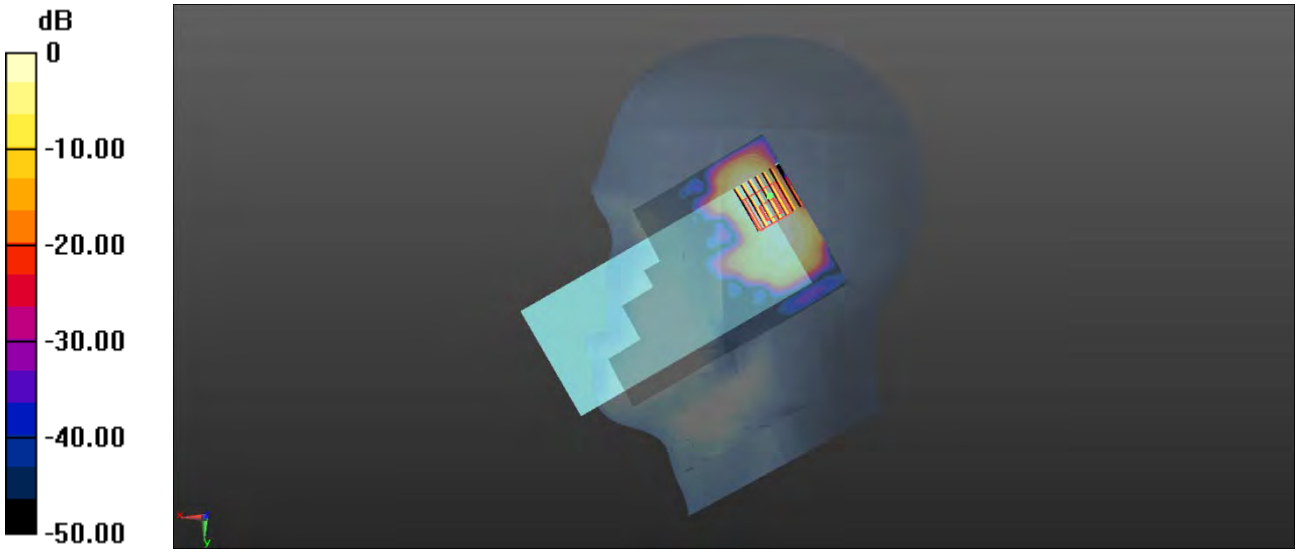
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.35 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.254 W/kg

Maximum value of SAR (measured) = 0.772 W/kg



0 dB = 0.772 W/kg

Meas.50 Body Plane with Front Side 15mm on Middle Channel in LTE Band41 mode with ANT.4

Date: 2021.10.10

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2593 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2593 MHz; σ = 1.965 S/m; ε_r = 38.473; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.135 W/kg

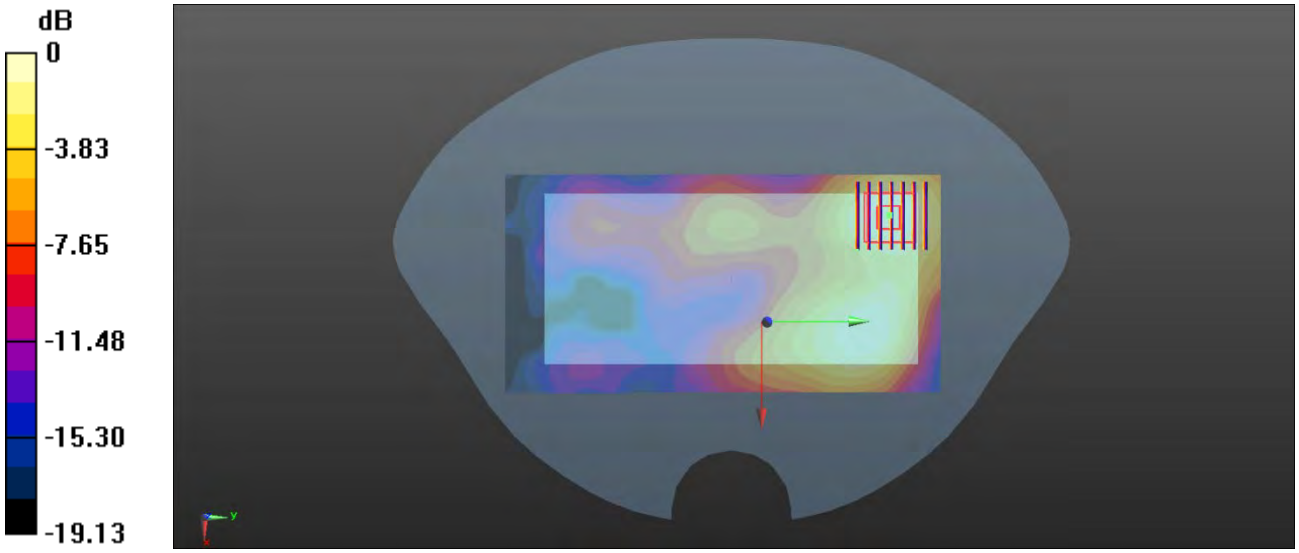
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.352 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.237 W/kg

SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.065 W/kg

Maximum value of SAR (measured) = 0.136 W/kg



0 dB = 0.136 W/kg

Meas.51 Body Plane with Top Edge 10mm on Middle Channel in LTE Band41 mode with ANT.3

Date: 2021.10.10

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2593 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2593 MHz; σ = 1.965 S/m; ε_r = 38.473; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (51x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.440 W/kg

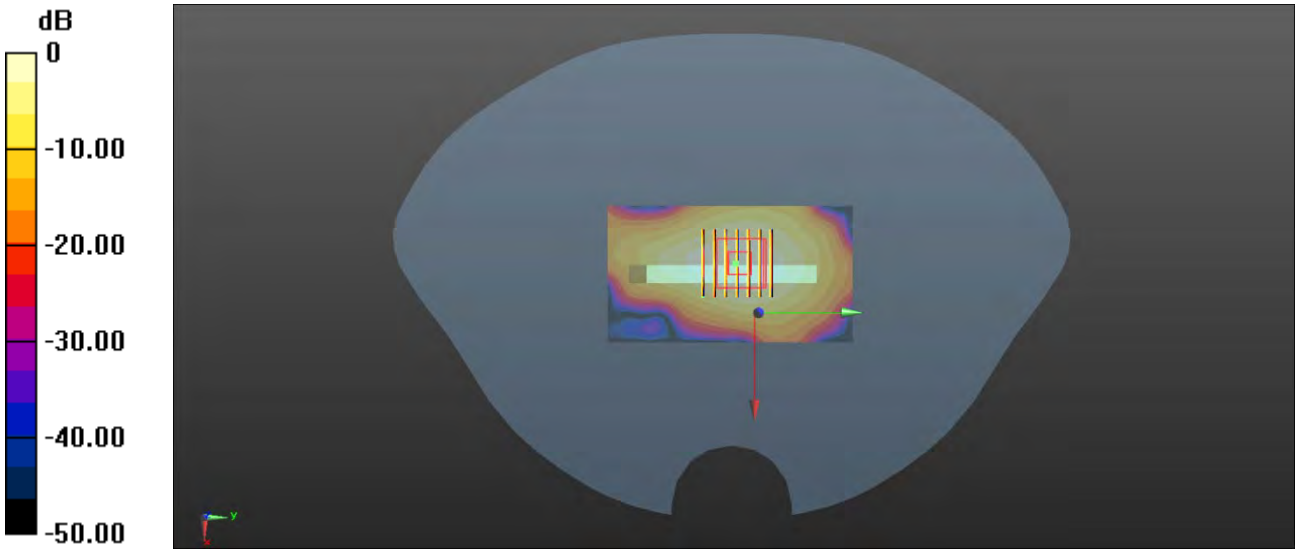
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.95 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.744 W/kg

SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.434 W/kg



0 dB = 0.434 W/kg

Meas.52 Left Head with Cheek on Middle Channel in N5 mode with ANT.0

Date: 2021.10.19

Communication System Band: N5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.907 S/m; ε_r = 41.857; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch167300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.420 W/kg

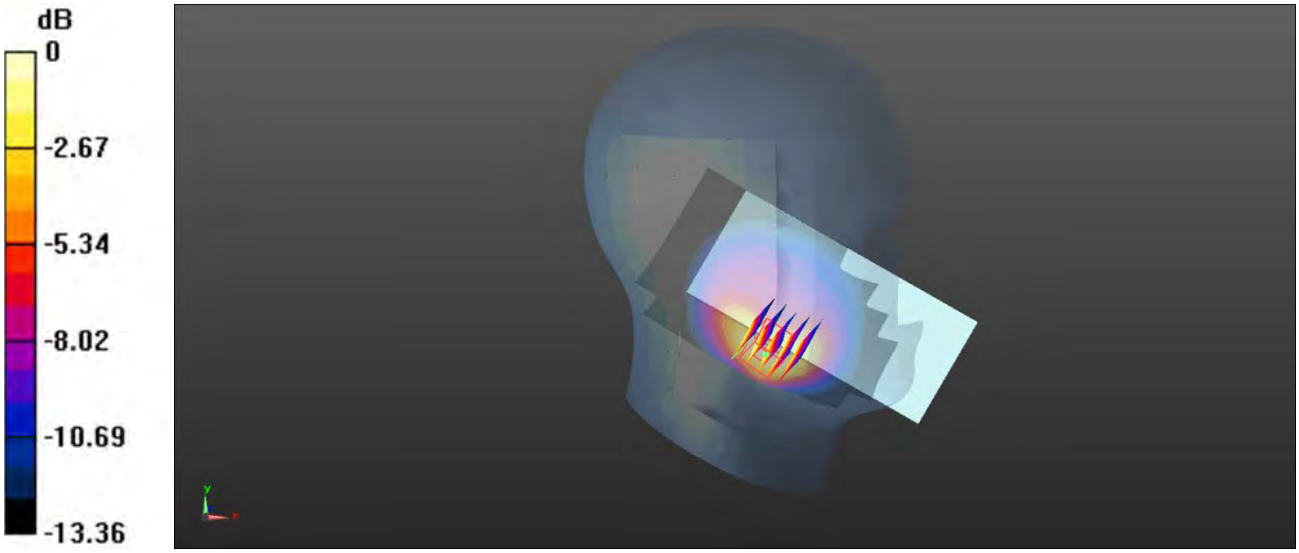
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.108 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.973 W/kg

SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.255 W/kg

Maximum value of SAR (measured) = 0.464 W/kg



0 dB = 0.464 W/kg

Meas.53 Body Plane with Back Side 15mm on Middle Channel in N5 mode with ANT.0

Date: 2021.10.19

Communication System Band: N5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.907 S/m; ε_r = 41.857; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch167300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.169 W/kg

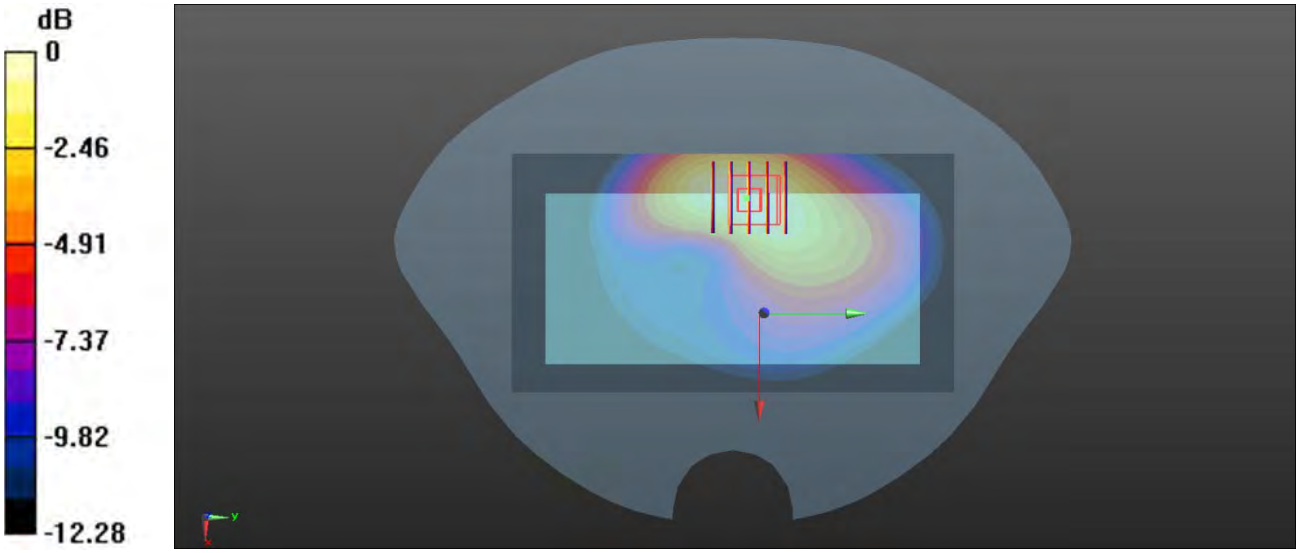
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.394 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.235 W/kg

SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.100 W/kg

Maximum value of SAR (measured) = 0.167 W/kg



0 dB = 0.167 W/kg

Meas.54 Body Plane with Right Edge 10mm on Middle Channel in N5 mode with ANT.0

Date: 2021.10.19

Communication System Band: N5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.907 S/m; ε_r = 41.857; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch167300/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.560 W/kg

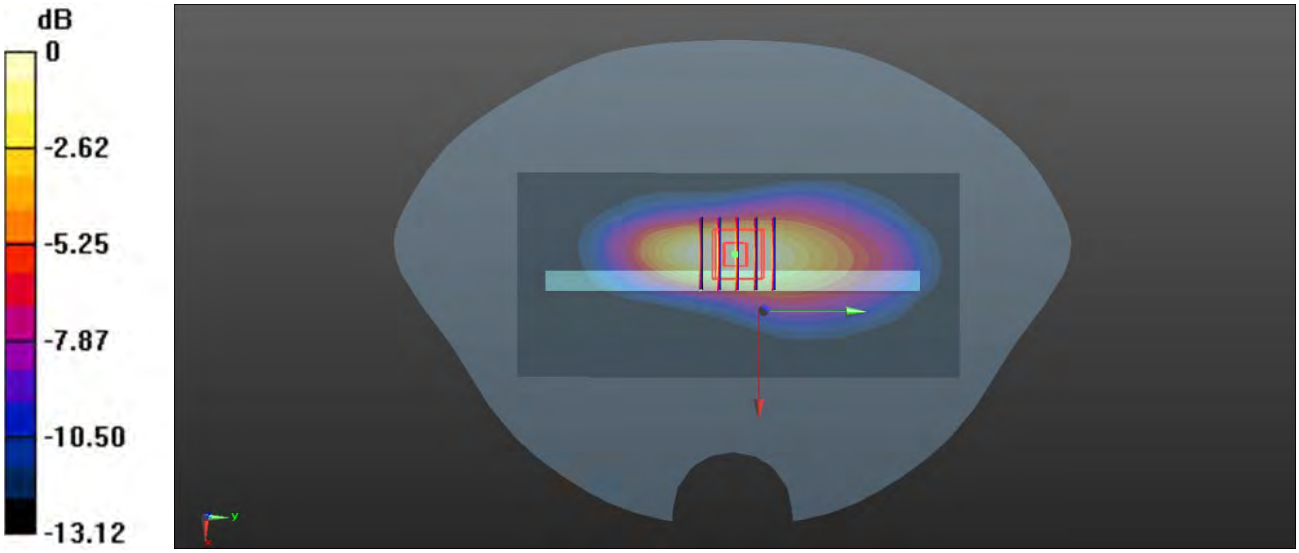
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.88 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.676 W/kg

SAR(1 g) = 0.375 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.423 W/kg



0 dB = 0.423 W/kg

Meas.55 Right Head with Tilt on Middle Channel in N7 mode with Antenna 3

Date: 2021.10.20

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.898 S/m; ε_r = 39.021; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.756 W/kg

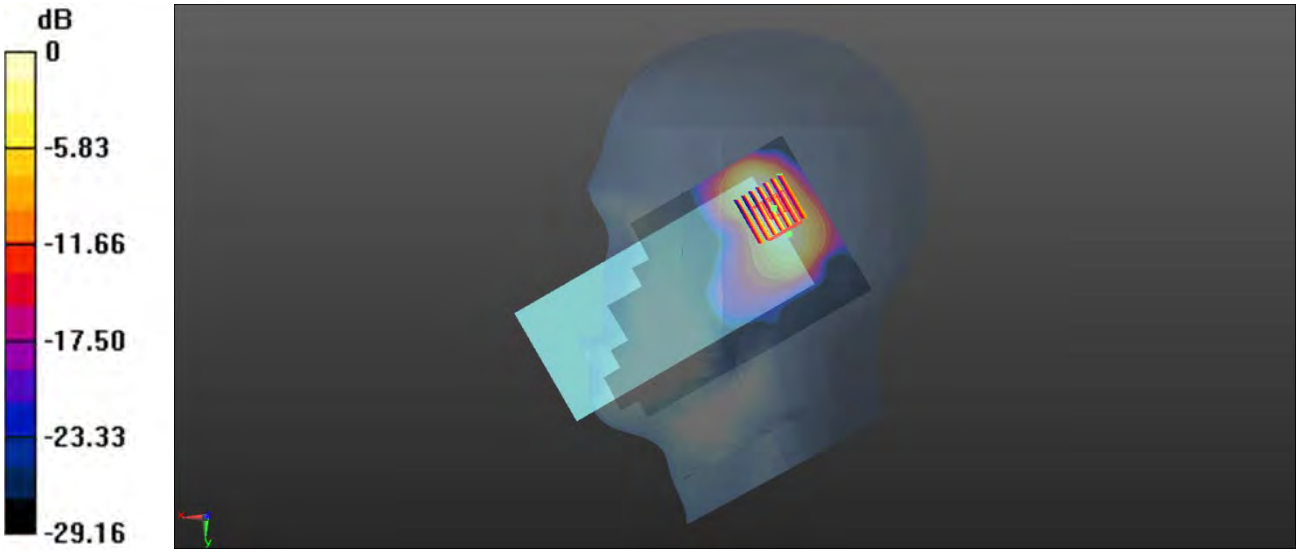
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.55 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.639 W/kg; SAR(10 g) = 0.284 W/kg

Maximum value of SAR (measured) = 0.757 W/kg



0 dB = 0.757 W/kg

Meas.56 Body Plane with Back Side 15mm on Middle Channel in N7 mode with ANT.4

Date: 2021.10.21

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.895 S/m; ε_r = 38.941; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.130 W/kg

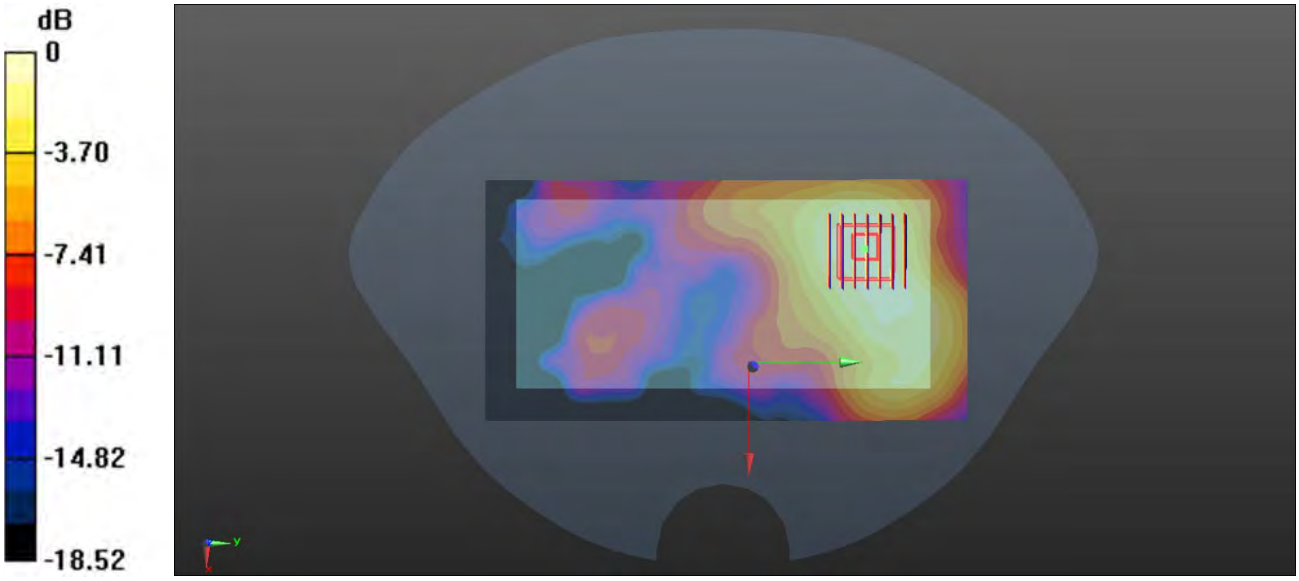
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.183 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.211 W/kg

SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.068 W/kg

Maximum value of SAR (measured) = 0.130 W/kg



0 dB = 0.130 W/kg

Meas.57 Body Plane with Top Edge 10mm on 507000 Channel in N7 mode with ANT.3

Date: 2021.10.21

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.895 S/m; ε_r = 38.941; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.520 W/kg

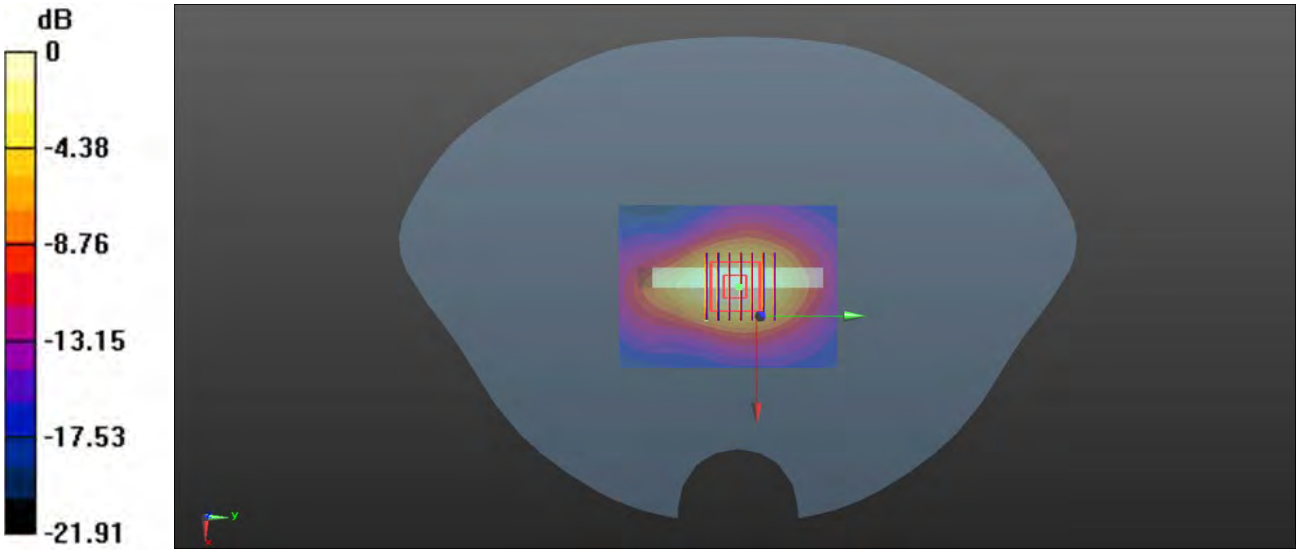
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.99 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.880 W/kg

SAR(1 g) = 0.446 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 0.507 W/kg



0 dB = 0.507 W/kg

Meas.58 Body Plane with Top Edge 0mm on Middle Channel in N7 mode with ANT.3

Date: 2021.10.21

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.895 S/m; ε_r = 38.941; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (61x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.93 W/kg

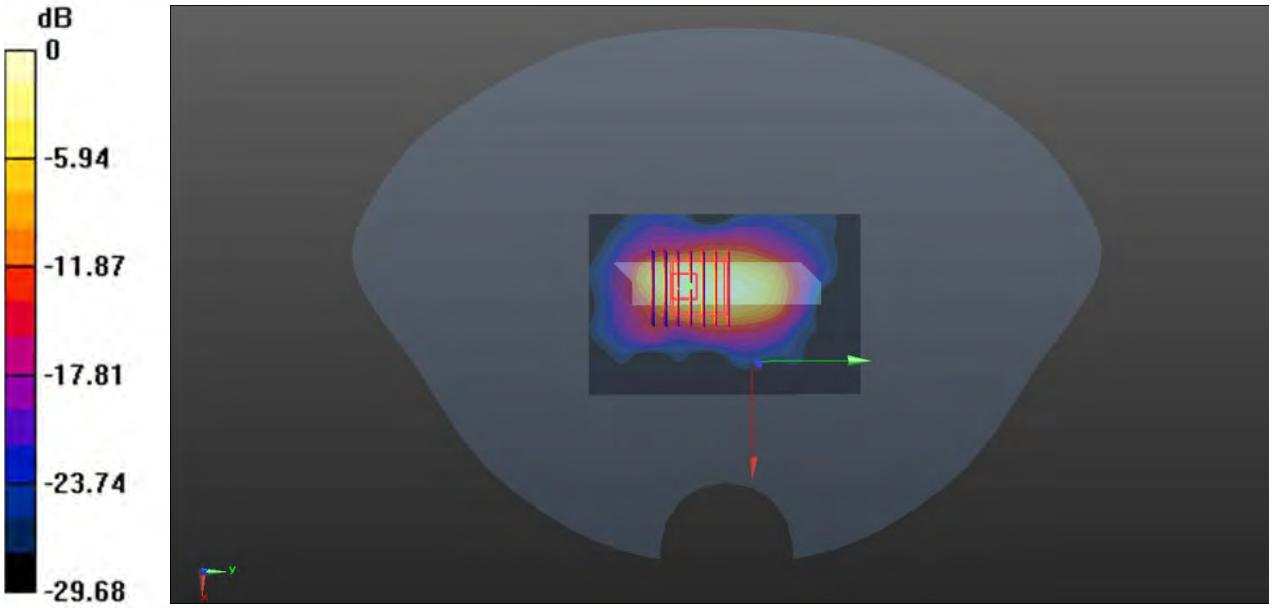
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.80 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 5.70 W/kg

SAR(1 g) = 1.62 W/kg; SAR(10 g) = 0.566 W/kg

Maximum value of SAR (measured) = 1.95 W/kg



0 dB = 1.95 W/kg

Meas.59 Left Head with Cheek on Middle Channel in N12 mode with ANT.0

Date: 2021.10.22

Communication System Band: N12; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.887 S/m; ε_r = 42.399; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch141500/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.294 W/kg

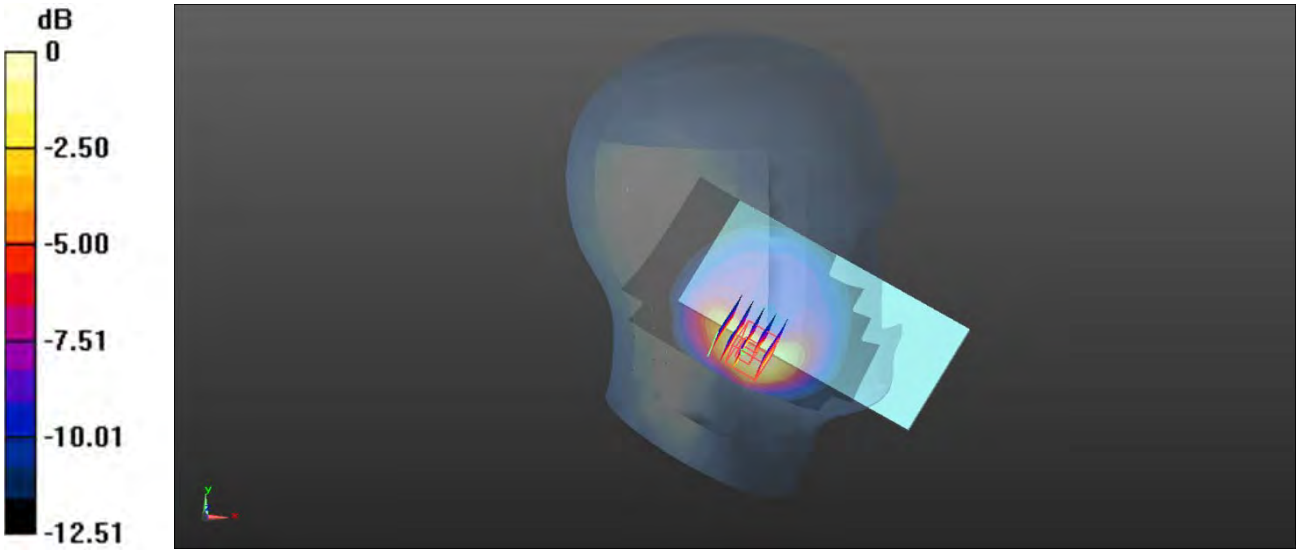
Ch141500/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.184 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.599 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.157 W/kg

Maximum value of SAR (measured) = 0.305 W/kg



0 dB = 0.305 W/kg

Meas.60 Body Plan with Back Side 15mm on Middle Channel in N12 mode with ANT.0

Date: 2021.10.22

Communication System Band: N12; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.887 S/m; ε_r = 42.399; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch141500/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.116 W/kg

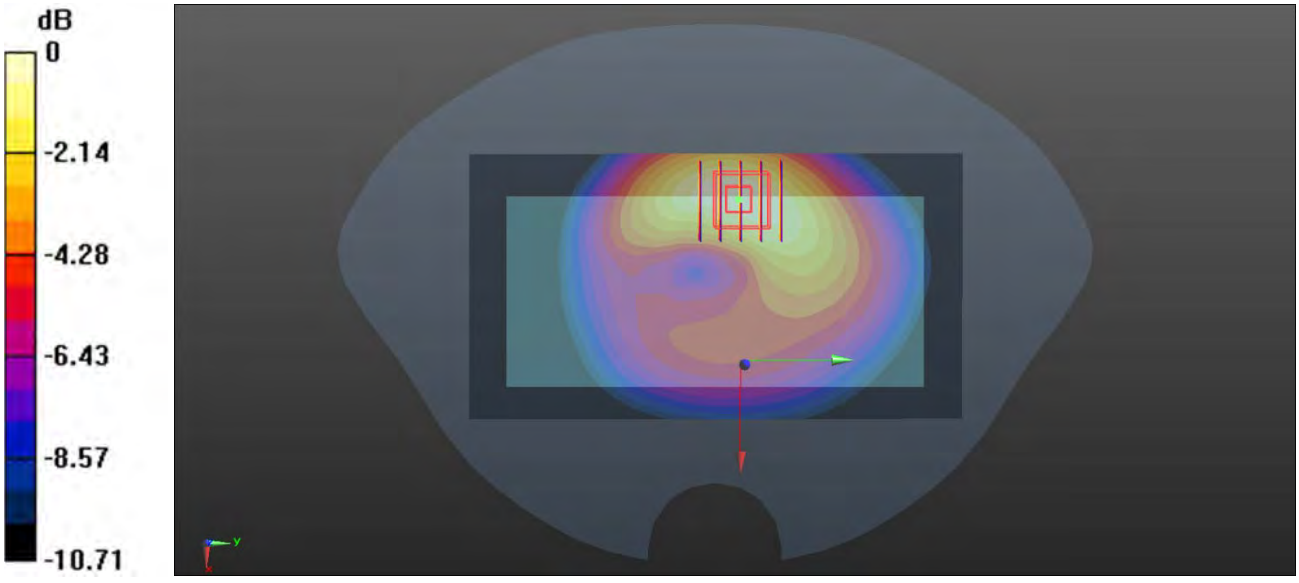
Ch141500/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.482 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.162 W/kg

SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.072 W/kg

Maximum value of SAR (measured) = 0.118 W/kg



0 dB = 0.118 W/kg

Meas.61 Body Plane with Right Edge 10mm on Middle Channel in N12 mode with ANT.0

Date: 2021.10.22

Communication System Band: N12; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.887 S/m; ε_r = 42.399; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch141500/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.428 W/kg

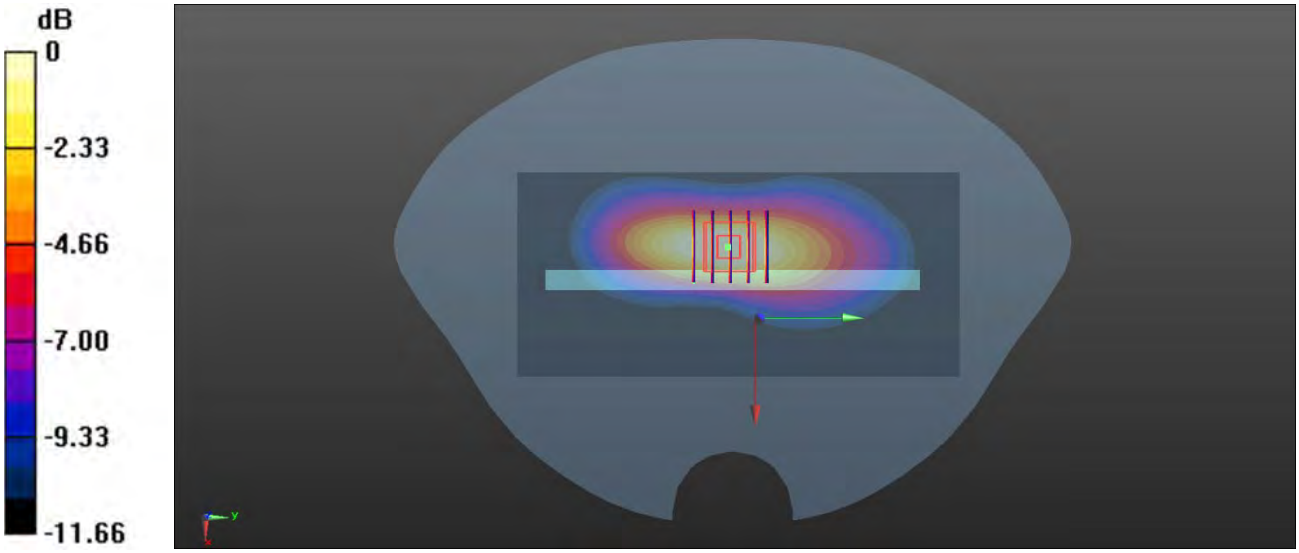
Ch141500/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.87 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.524 W/kg

SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.180 W/kg

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



0 dB = 0.344 W/kg

Meas.62 Left Head with Cheek on Middle Channel in N13 mode with ANT.0

Date: 2021.10.23

Communication System Band: N13; Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.909 S/m; ε_r = 41.474; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.2 Liquid Temperature:21.6

DASY5 Configuration:

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

Ch156400/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.179 W/kg

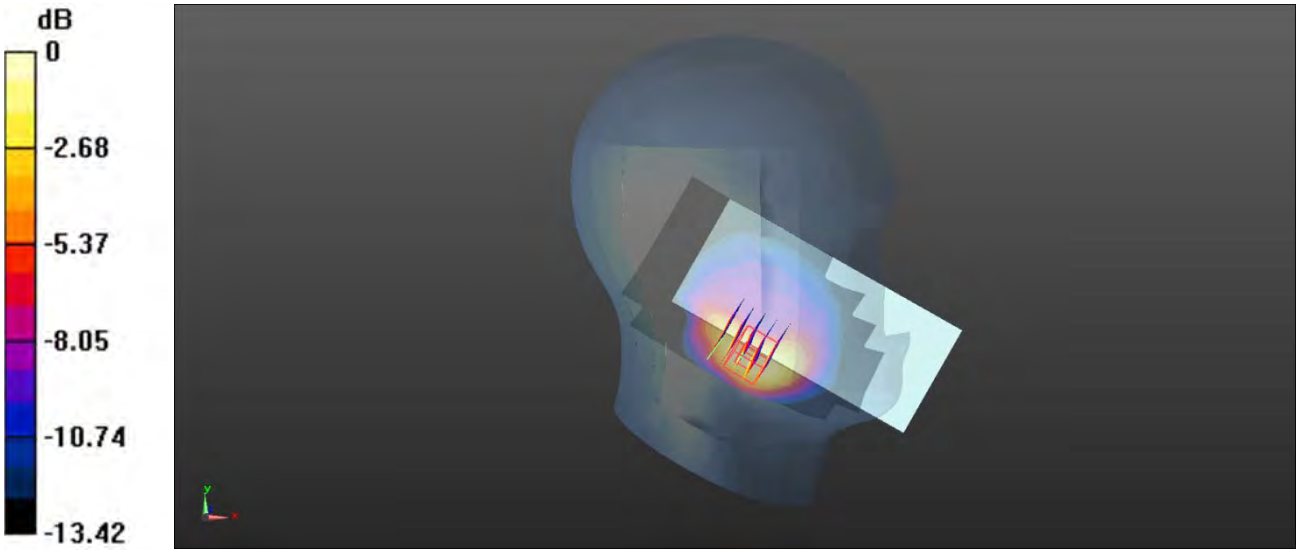
Ch156400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.653 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.393 W/kg

SAR(1 g) = 0.198 W/kg; SAR(10 g) = 0.109 W/kg

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



0 dB = 0.202 W/kg

Meas.63 Body Plane with Back Side 15mm on Middle Channel in N13 mode with ANT.0

Date: 2021.10.23

Communication System Band: N13; Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.909 S/m; ε_r = 41.474; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.6

DASY5 Configuration:

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

Ch156400/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.119 W/kg

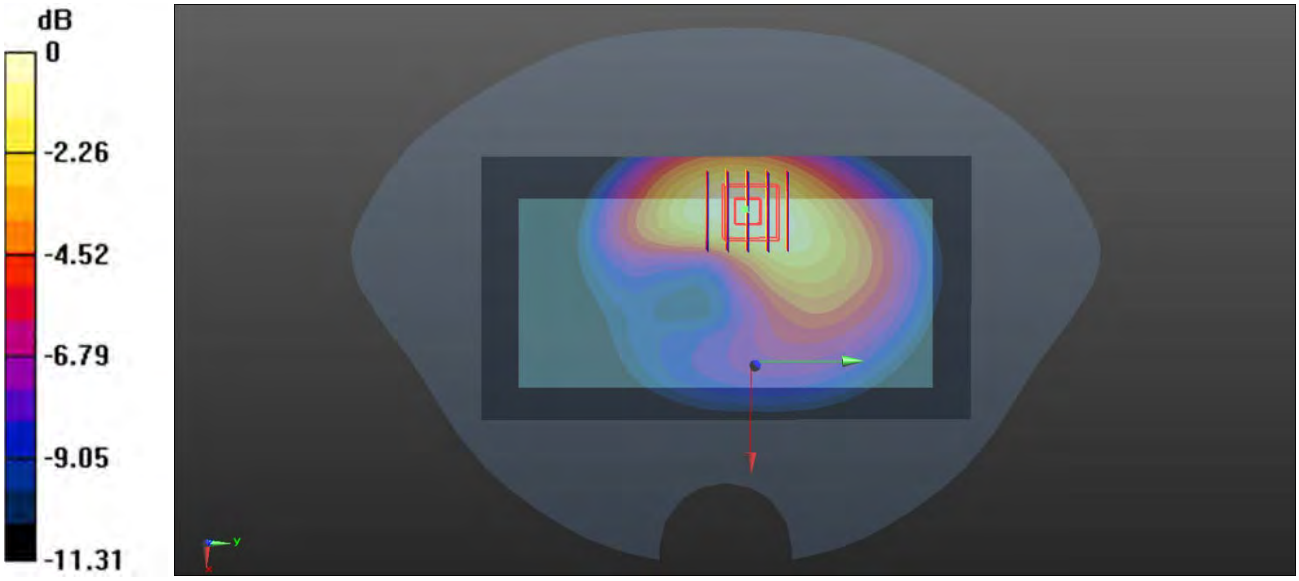
Ch156400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.818 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.168 W/kg

SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.072 W/kg

Maximum value of SAR (measured) = 0.119 W/kg



0 dB = 0.119 W/kg

Meas.64 Body Plane with Right Edge 10mm on Middle Channel in N13 mode with ANT.0

Date: 2021.10.23

Communication System Band: N13; Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.909 S/m; ε_r = 41.474; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.6

DASY5 Configuration:

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

Ch156400/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

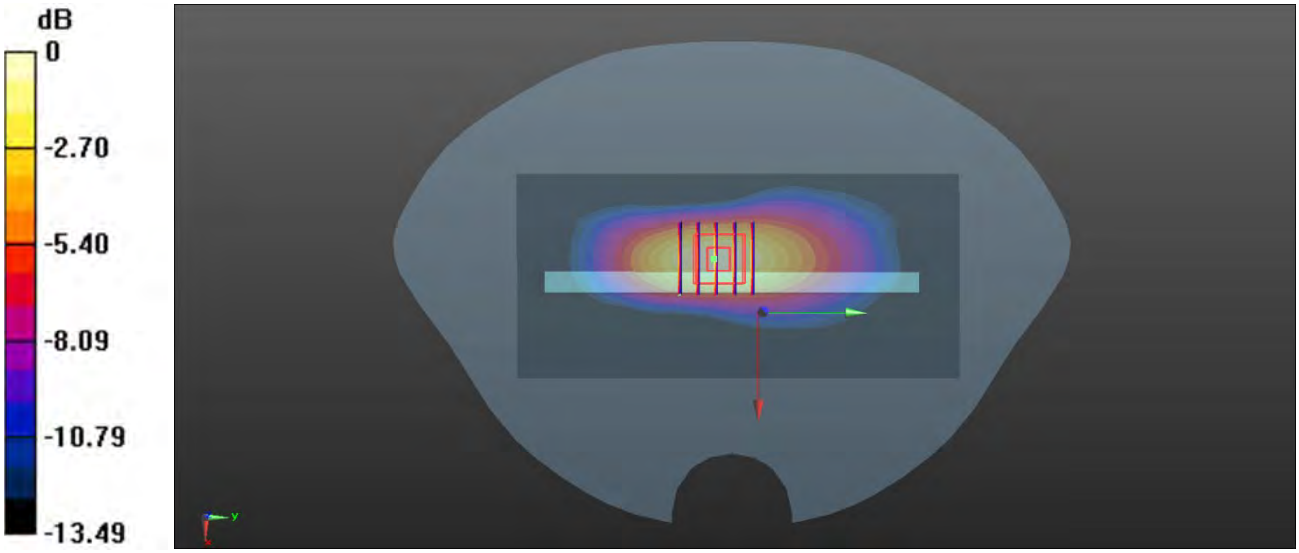
Ch156400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.49 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.482 W/kg

SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 0.310 W/kg



0 dB = 0.310 W/kg

Meas.65 Left Head with Cheek on Middle Channel in N26 mode with ANT.0

Date: 2021.10.24

Communication System Band: N26; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.893 S/m; ε_r = 41.88; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch166300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.350 W/kg

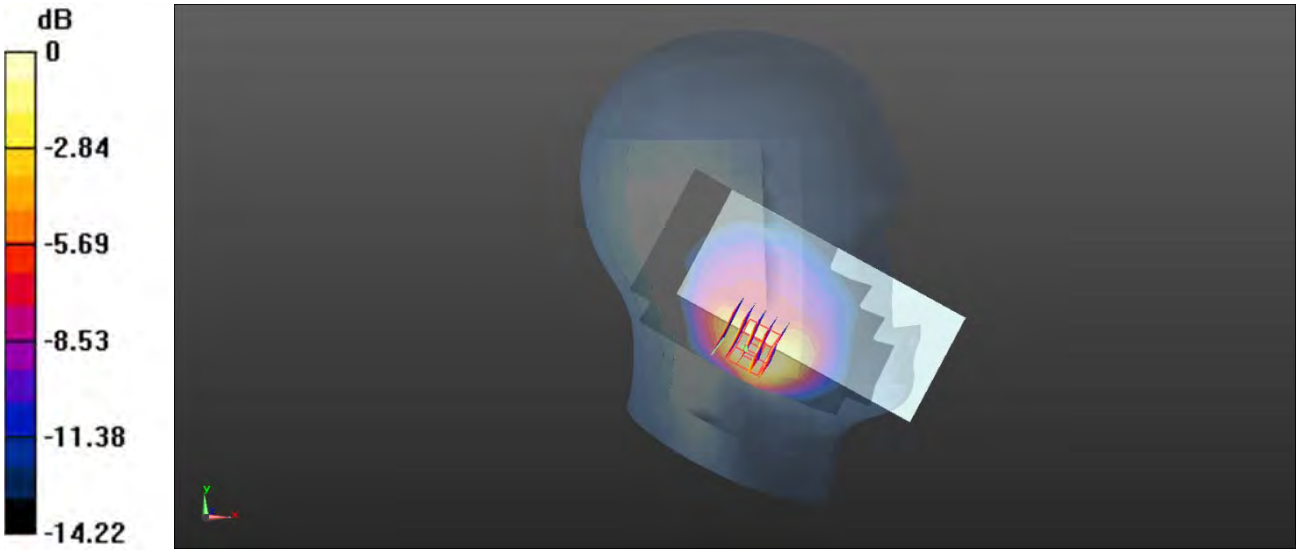
Ch166300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.016 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.711 W/kg

SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.195 W/kg

Maximum value of SAR (measured) = 0.372 W/kg



0 dB = 0.372 W/kg

Meas.66 Body Plane with Back Side 15mm on Middle Channel in N26 mode with ANT.0

Date: 2021.10.24

Communication System Band: N26; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.893 S/m; ε_r = 41.88; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch166300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.148 W/kg

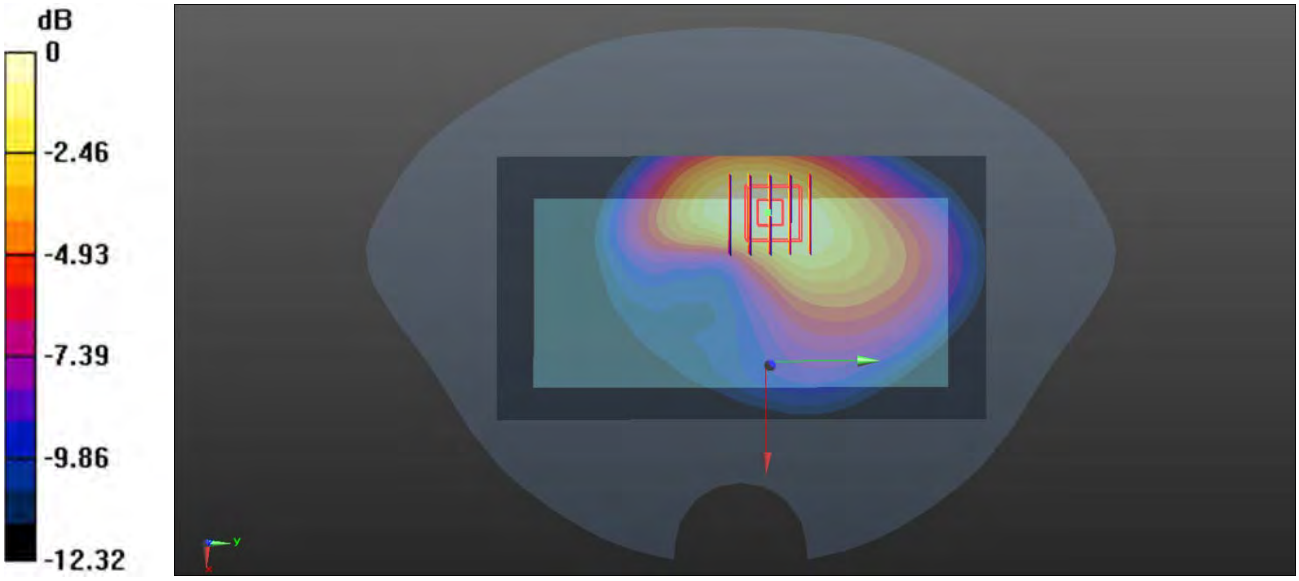
Ch166300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.306 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 0.151 W/kg



0 dB = 0.151 W/kg

Meas.67 Body Plane with Right Edge 10mm on Middle Channel in N26 mode with ANT.0

Date: 2021.10.24

Communication System Band: N26; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.893 S/m; ε_r = 41.88; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch166300/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.499 W/kg

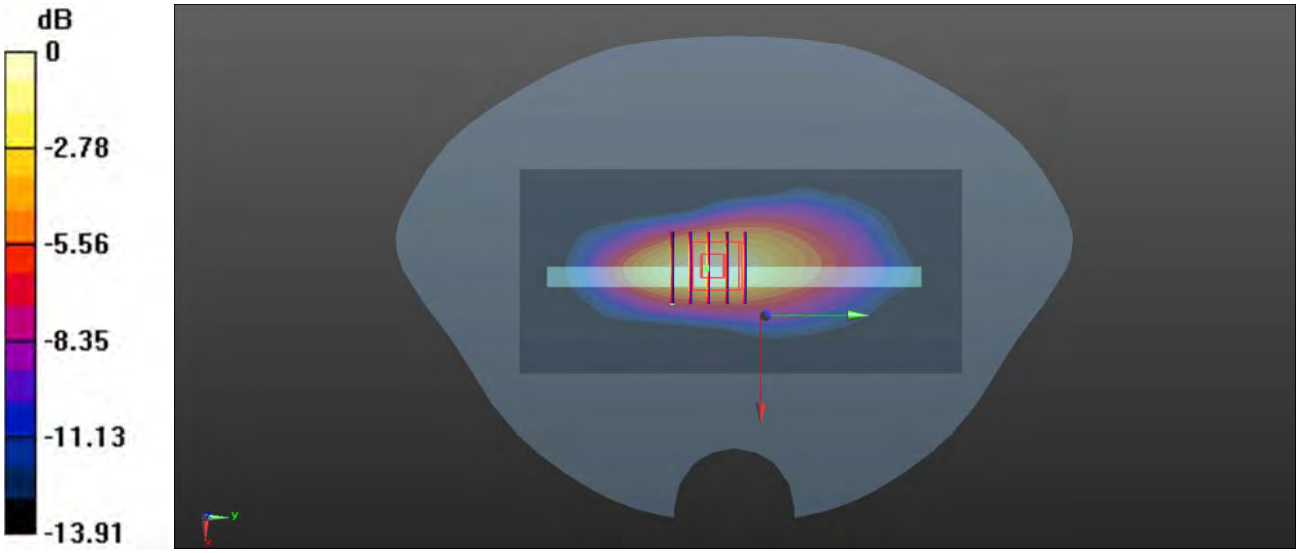
Ch166300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.56 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.812 W/kg

SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.252 W/kg

Maximum value of SAR (measured) = 0.502 W/kg



0 dB = 0.502 W/kg

Meas.68 Right Head with Tilt on Middle Channel in N38 mode with ANT.3

Date: 2021.12.29

Communication System Band: N38; Frequency: 2595 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.971 S/m; ε_r = 38.468; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch519000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.851 W/kg

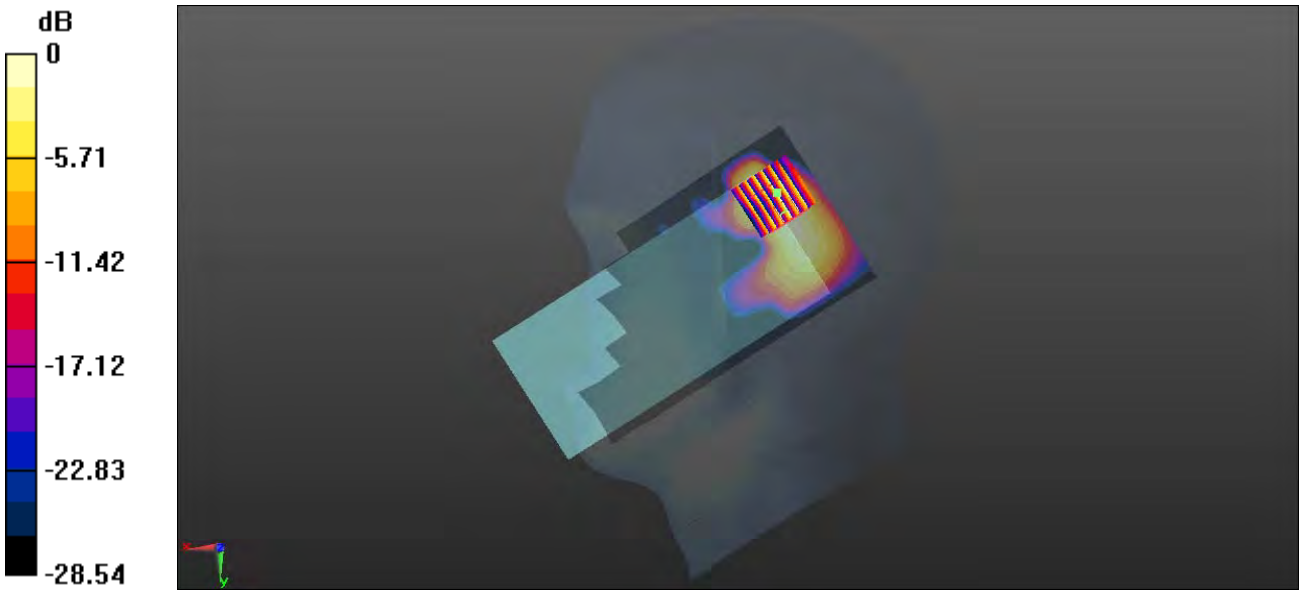
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.42 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.719 W/kg; SAR(10 g) = 0.290 W/kg

Maximum value of SAR (measured) = 0.871 W/kg



0 dB = 0.871 W/kg

Meas.69 Body Plane with Back Side 15mm on Low Channel in N38 mode with ANT.4

Date: 2021.12.29

Communication System Band: N38; Frequency: 2585 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2585 MHz; σ = 1.963 S/m; ε_r = 38.452; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch517000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.395 W/kg

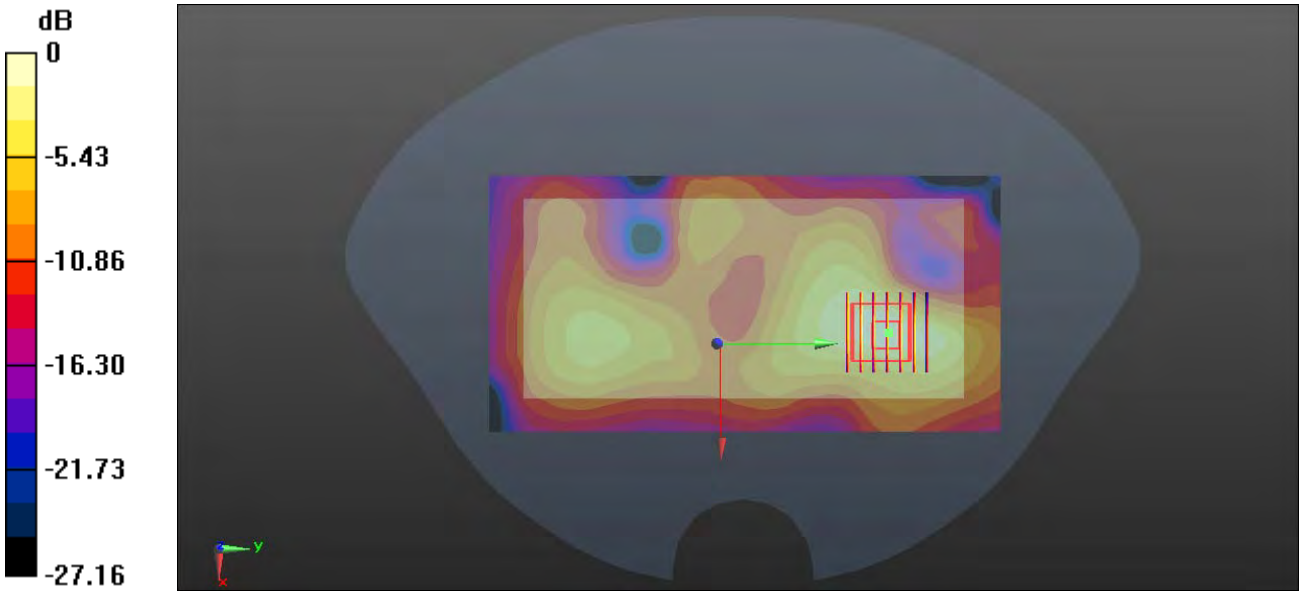
Ch517000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.469 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.663 W/kg

SAR(1 g) = 0.350 W/kg; SAR(10 g) = 0.168 W/kg

Maximum value of SAR (measured) = 0.403 W/kg



0 dB = 0.403 W/kg

Meas.70 Body Plane with Top Edge 10mm on Low Channel in N38 mode with ANT.3

Date: 2021.12.29

Communication System Band: N38; Frequency: 2585 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2585 MHz; σ = 1.963 S/m; ε_r = 38.452; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch517000/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

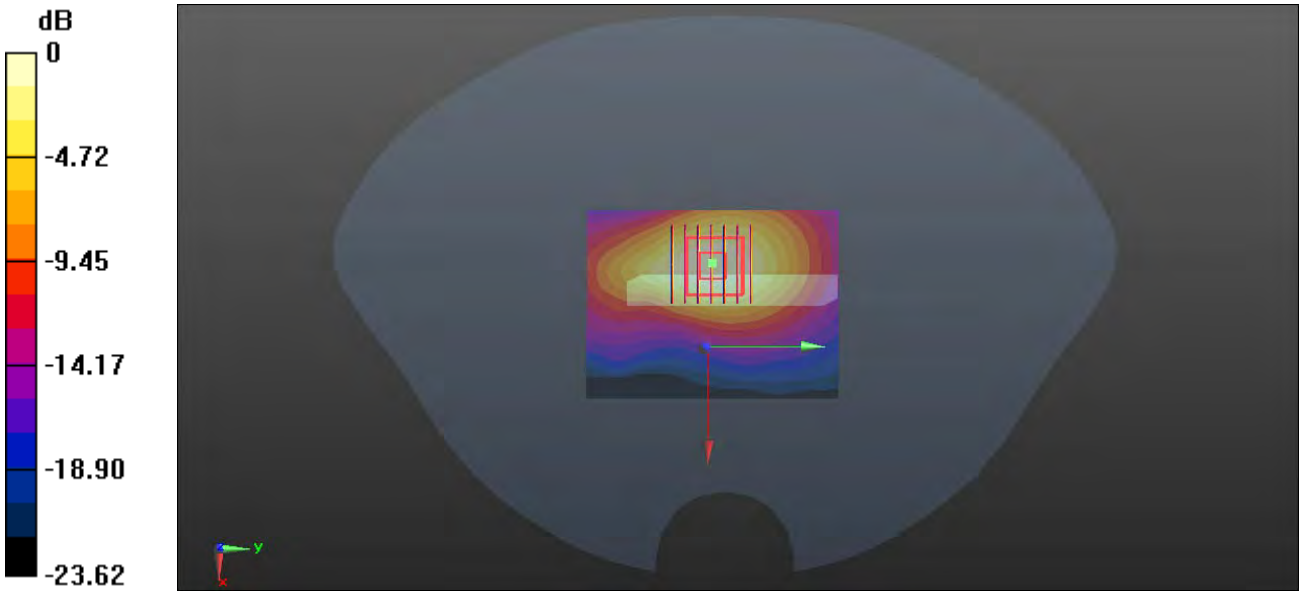
Ch517000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.37 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.426 W/kg

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



0 dB = 0.972 W/kg

Meas.71 Body Plane with Top Edge 0mm on Low Channel in N38 mode with ANT.3

Date: 2021.12.29

Communication System Band: N38; Frequency: 2585 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2585 MHz; σ = 1.963 S/m; ε_r = 38.452; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch517000/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 3.38 W/kg

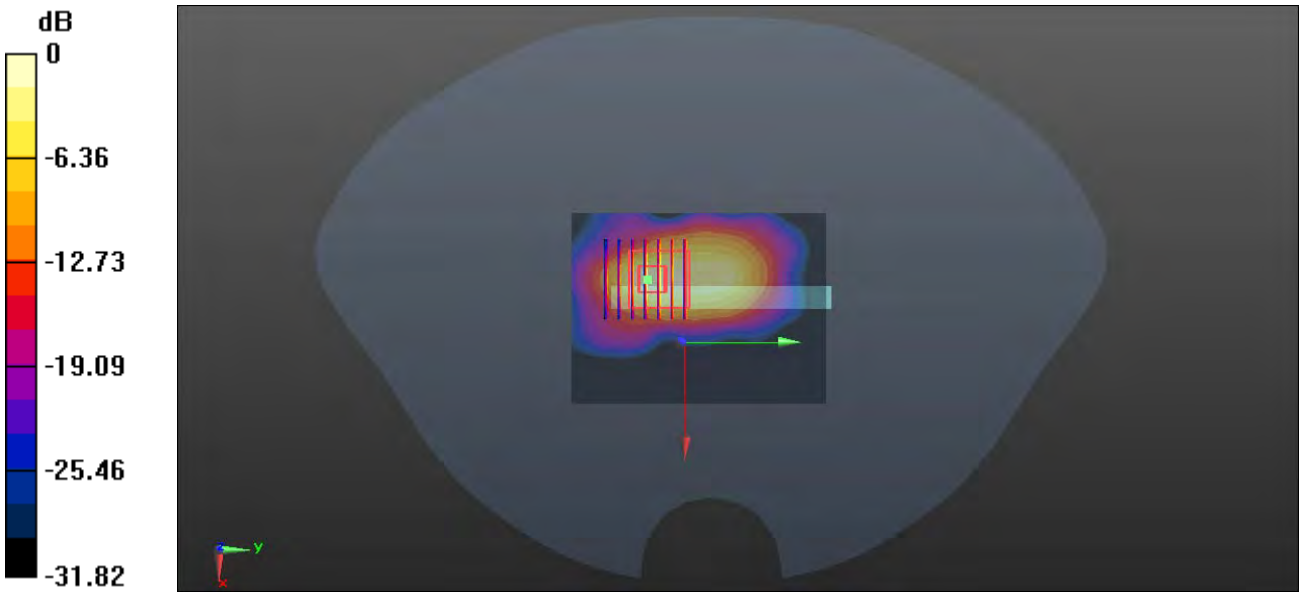
Ch517000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.07 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 10.4 W/kg

SAR(1 g) = 3.05 W/kg; SAR(10 g) = 1.01 W/kg

Maximum value of SAR (measured) = 3.81 W/kg



0 dB = 3.81 W/kg

Meas.72 Right Head with Tilt on Middle Channel in N41 mode with ANT.3

Date: 2021.10.27

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.977 S/m; ε_r = 38.459; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.419 W/kg

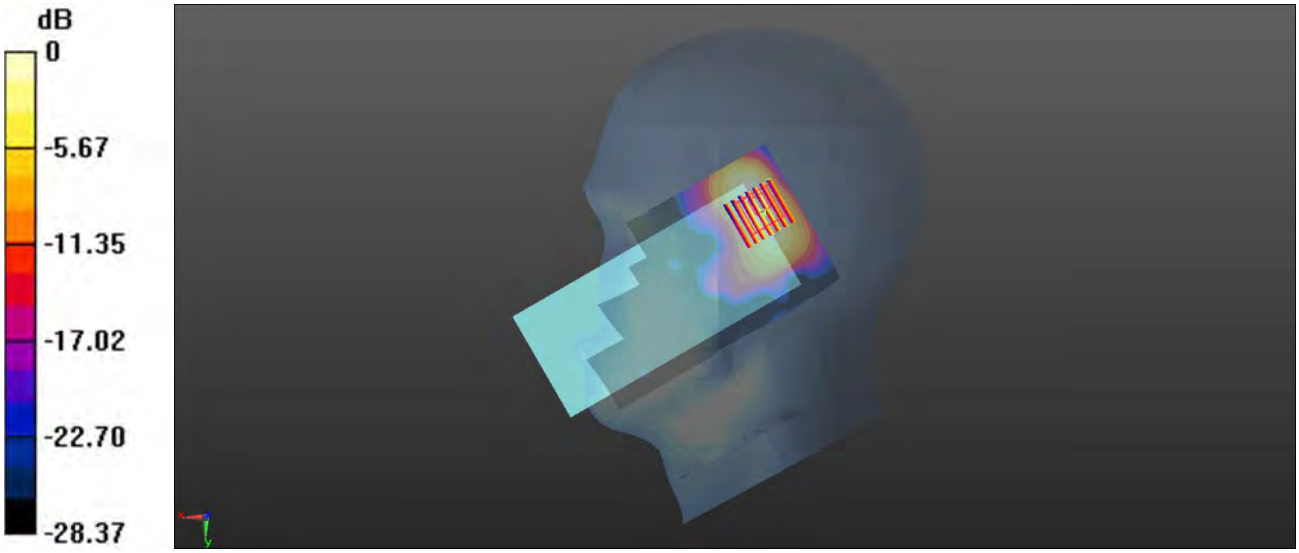
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.33 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.178 W/kg

Maximum value of SAR (measured) = 0.491 W/kg



0 dB = 0.491 W/kg

Meas.73 Body Plane with Back Side 15mm on Low Channel in N41 mode with ANT.4

Date: 2021.10.28

Communication System Band: N41; Frequency: 2546.01 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2546.01 MHz; σ = 1.912 S/m; ε_r = 38.985; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch509202/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.143 W/kg

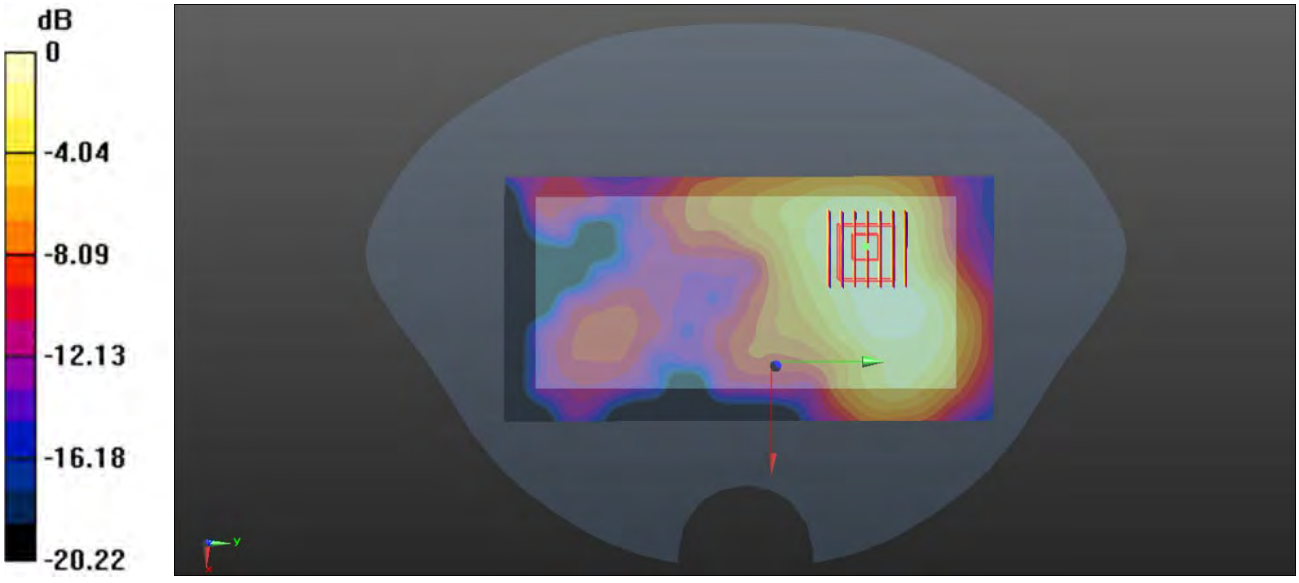
Ch509202/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.893 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.226 W/kg

SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.077 W/kg

Maximum value of SAR (measured) = 0.144 W/kg



0 dB = 0.144 W/kg

Meas.74 Body Plane with Top Edge 10mm on Middle Channel in N41 mode with ANT.3

Date: 2021.10.28

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.976 S/m; ε_r = 38.642; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.569 W/kg

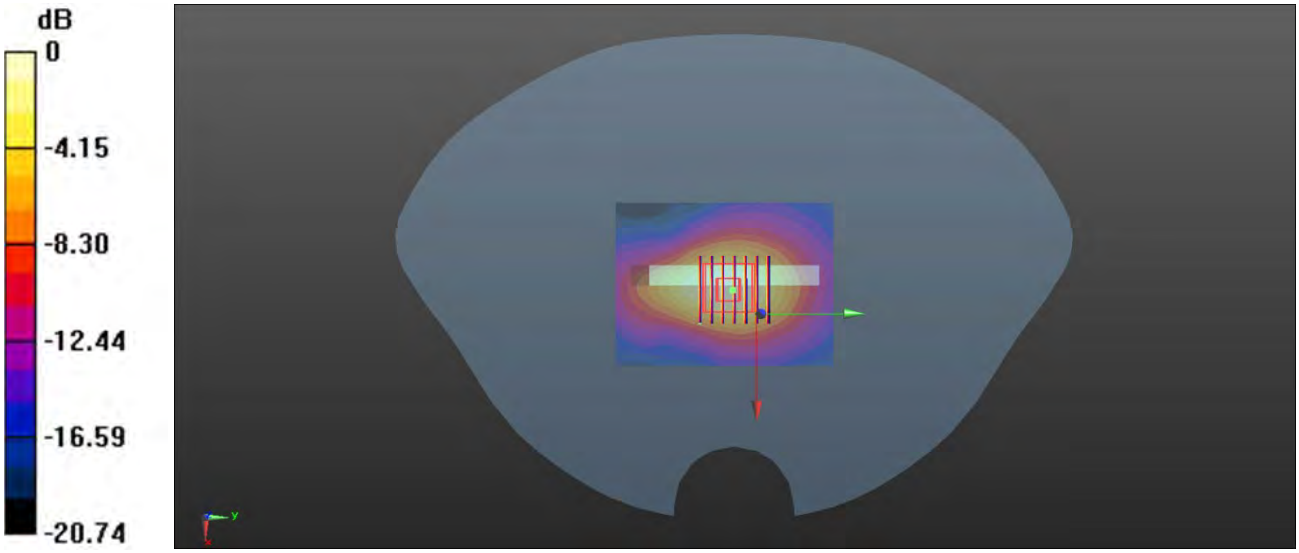
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.77 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.963 W/kg

SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.245 W/kg

Maximum value of SAR (measured) = 0.559 W/kg



0 dB = 0.559 W/kg

Meas.75 Body Plane with Top Edge 0mm on Middle Channel in N41 mode with ANT.3

Date: 2021.10.20

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.976 S/m; ε_r = 38.642; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (61x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 2.03 W/kg

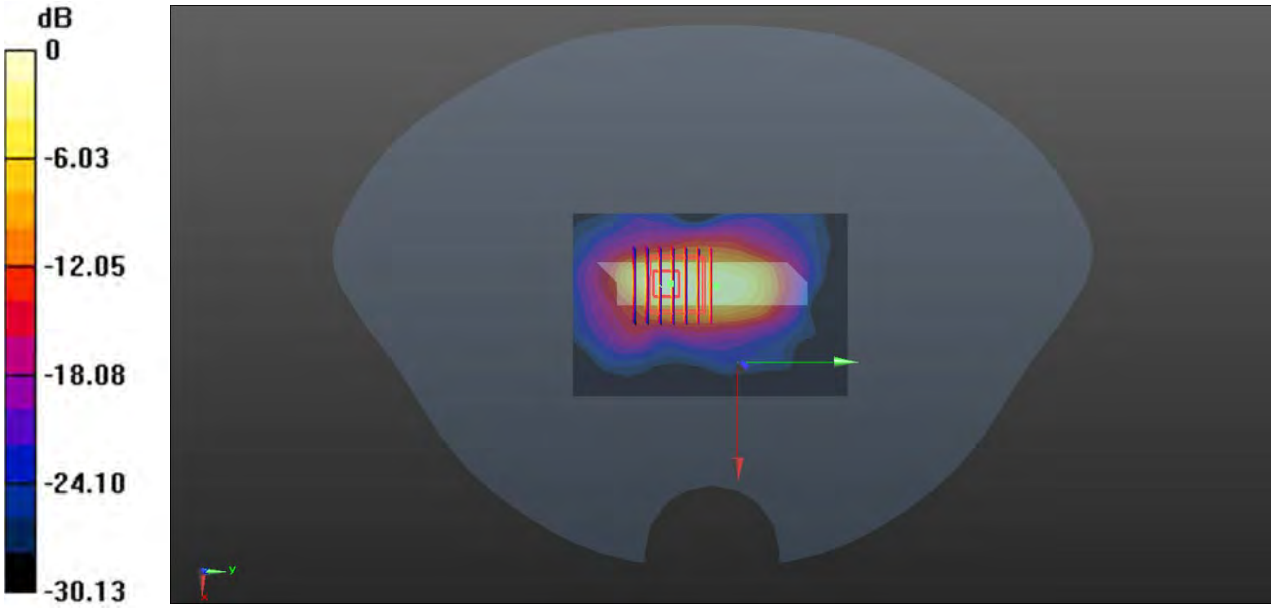
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.97 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 6.25 W/kg

SAR(1 g) = 1.74 W/kg; SAR(10 g) = 0.571 W/kg

Maximum value of SAR (measured) = 2.10 W/kg



0 dB = 2.10 W/kg

Meas.76 Body Plane with Right Edge 0mm on Middle Channel in N41 mode with ANT.5

Date: 2021.10.28

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.976 S/m; ε_r = 38.642; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (71x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 3.96 W/kg

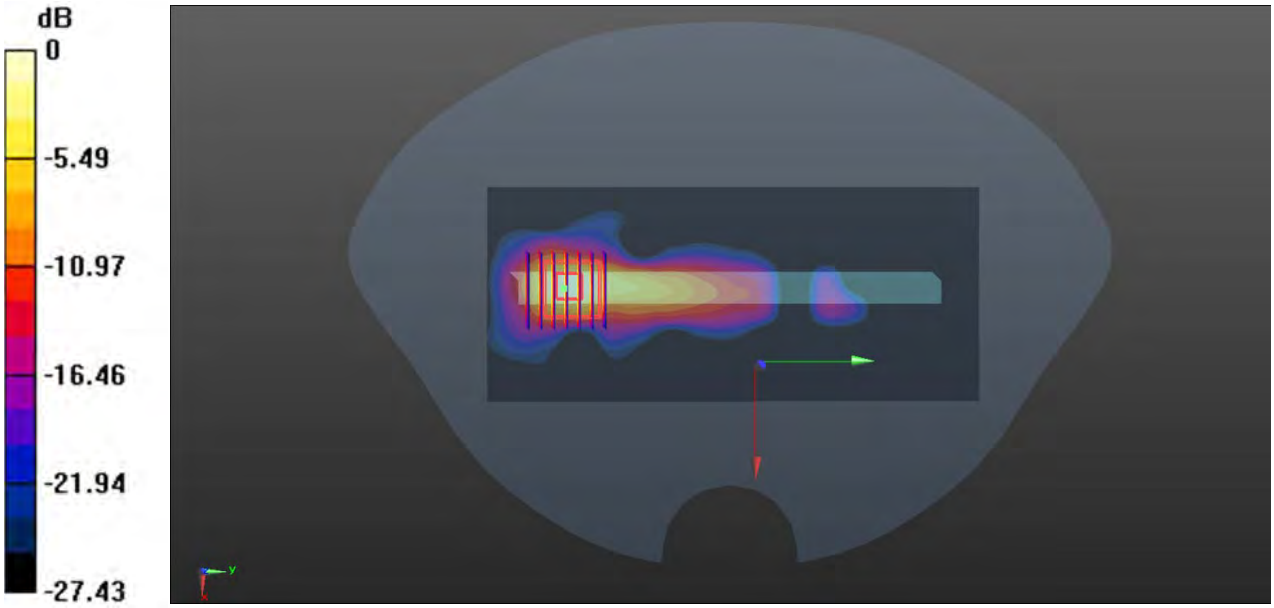
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.78 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 9.00 W/kg

SAR(1 g) = 2.94 W/kg; SAR(10 g) = 0.987 W/kg

Maximum value of SAR (measured) = 3.56 W/kg



0 dB = 3.56 W/kg

Meas.77 Right Head with Tilt on High Channel in N66 mode with ANT.3

Date: 2021.10.25

Communication System Band: N66; Frequency: 1760 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1760 MHz; σ = 1.392 S/m; ε_r = 39.967; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch352000/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.760 W/kg

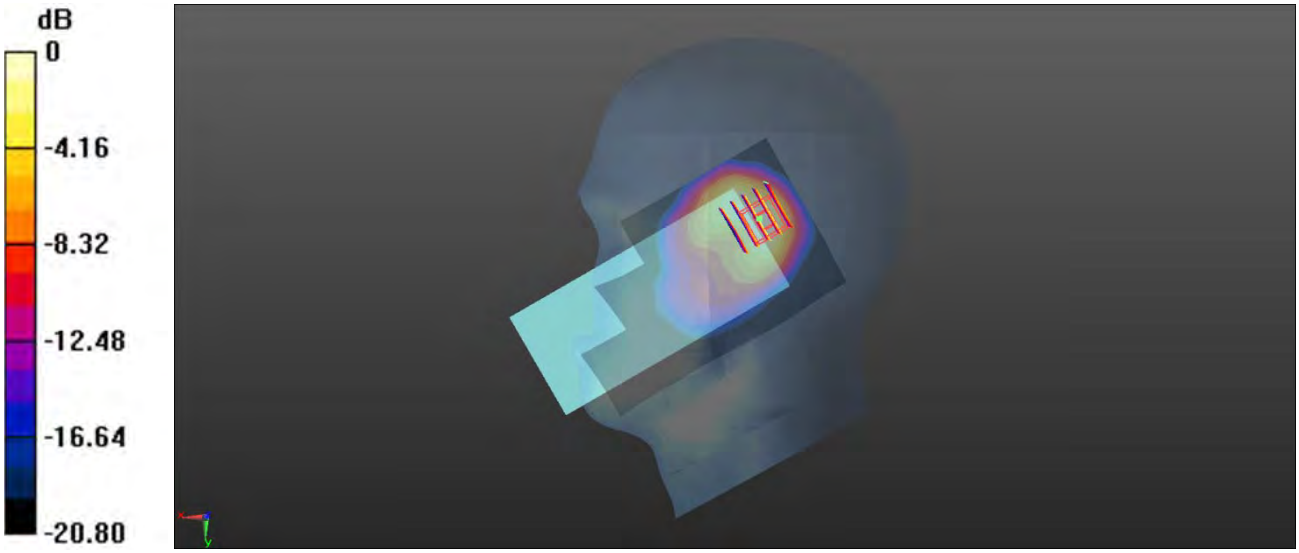
Ch352000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.37 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.723 W/kg; SAR(10 g) = 0.345 W/kg

Maximum value of SAR (measured) = 0.781 W/kg



0 dB = 0.781 W/kg

Meas.78 Body Plane with Back Side 15mm on Middle Channel in N66 mode with ANT.3

Date: 2021.10.26

Communication System Band: N66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.368 S/m; ε_r = 40.228; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch349000/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

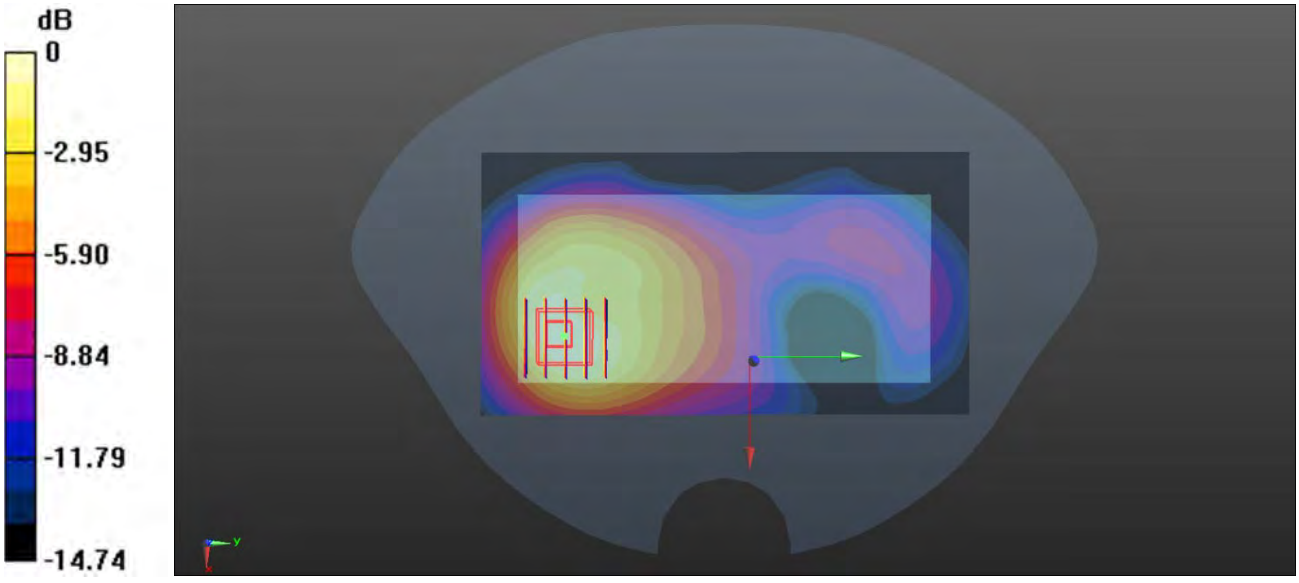
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.753 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.252 W/kg



0 dB = 0.252 W/kg

Meas.79 Body Plane with Top Edge 10mm on Middle Channel in N66 mode with ANT.3

Date: 2021.10.26

Communication System Band: N66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.368 S/m; ε_r = 40.228; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch349000/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.750 W/kg

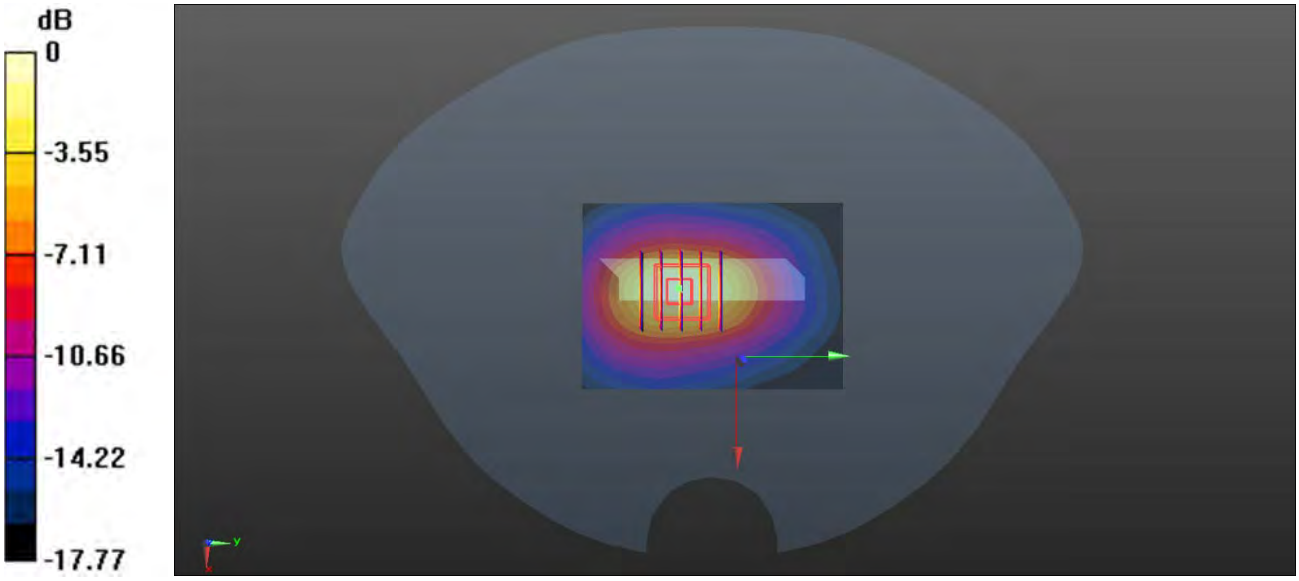
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.61 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.927 W/kg

SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.290 W/kg

Maximum value of SAR (measured) = 0.757 W/kg



0 dB = 0.757 W/kg

Meas.80 Body Plane with Top Edge 0mm on Middle Channel in N66 mode with ANT.3

Date: 2021.10.26

Communication System Band: N66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.368 S/m; ε_r = 40.228; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch349000/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.52 W/kg

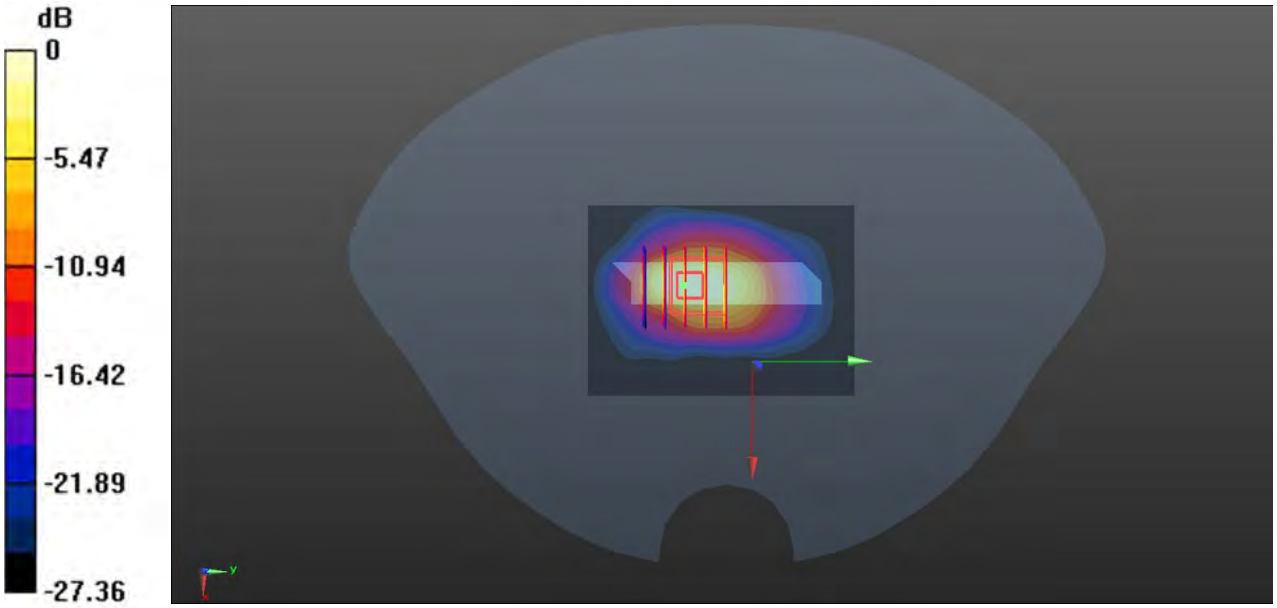
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.08 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 7.01 W/kg

SAR(1 g) = 2.87 W/kg; SAR(10 g) = 1.2 W/kg

Maximum value of SAR (measured) = 3.54 W/kg



0 dB = 3.54 W/kg

Meas.81 Body Plane with Top Edge 0mm on Middle Channel in N66 mode with ANT.3

Date: 2021.10.26

Communication System Band: N66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.368 S/m; ε_r = 40.228; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch349000/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.27 W/kg

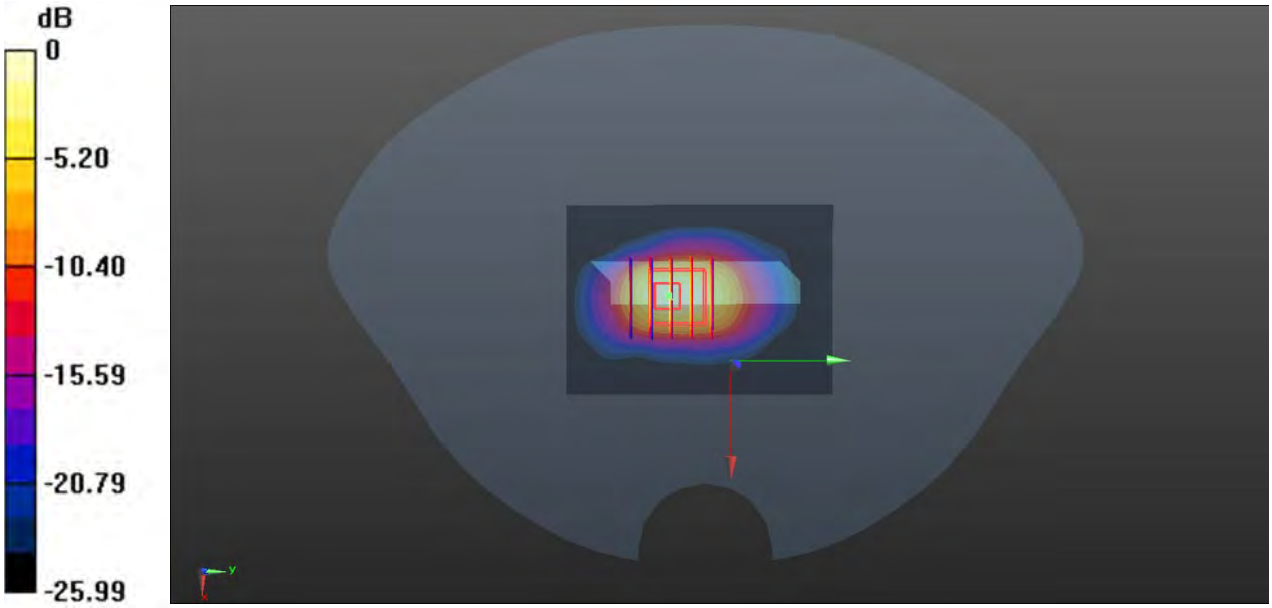
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.71 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.68 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.437 W/kg

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



0 dB = 1.24 W/kg

Meas.82 Left Head with Cheek on Low Channel in IEEE802.11b mode with ANT.6+ANT.10

Date: 2021.12.12

Communication System Band: WLAN(b); Frequency: 2412 MHz;Duty Cycle: 1:1.075

Medium parameters used (interpolated): f = 2412 MHz; σ = 1.752 S/m; ε_r = 39.904; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.832 W/kg

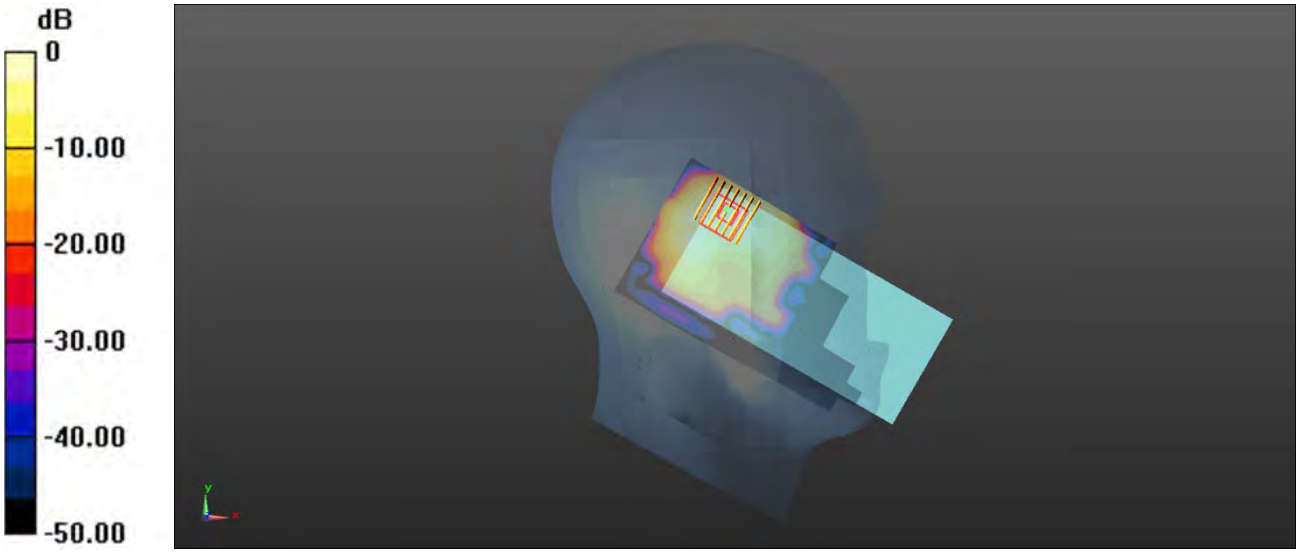
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.69 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.684 W/kg; SAR(10 g) = 0.309 W/kg

Maximum value of SAR (measured) = 0.787 W/kg



0 dB = 0.787 W/kg

Meas.83 Body Plan with Back Side 15mm on Middle Channel in IEEE802.11b mode with ANT.6+ANT.10

Date: 2021.12.13

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.075

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.781 S/m; ε_r = 39.674; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.135 W/kg

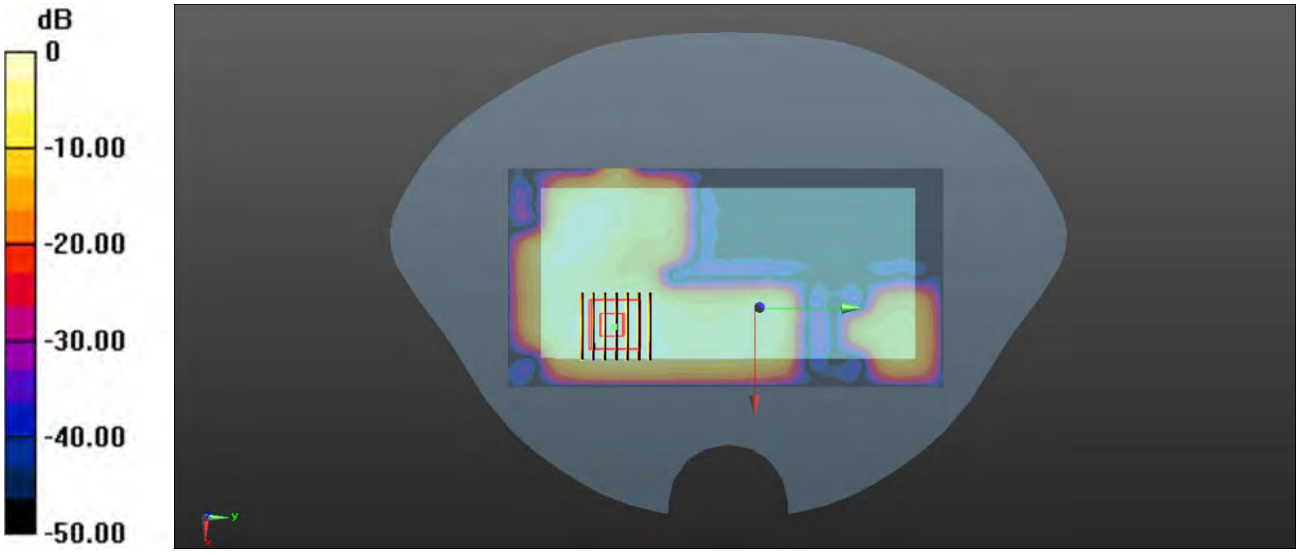
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.7730 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.221 W/kg

SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.053 W/kg

Maximum value of SAR (measured) = 0.136 W/kg



0 dB = 0.136 W/kg

Meas.84 Body Plan with Top Edge 10mm on 6 Channel in IEEE802.11b mode with ANT.10

Date: 2021.12.13

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.075

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.781 S/m; ε_r = 39.674; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (51x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.260 W/kg

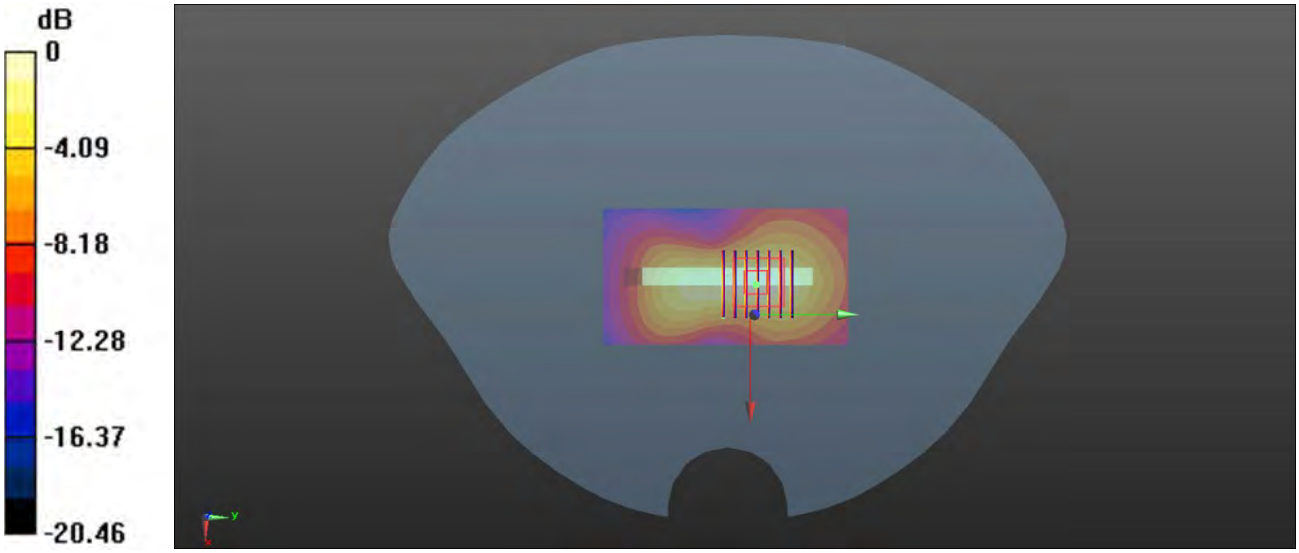
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.32 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.471 W/kg

SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.113 W/kg

Maximum value of SAR (measured) = 0.274 W/kg



0 dB = 0.274 W/kg

Meas.85 Left Head with Cheek on 58 Channel in IEEE802.11ac80 mode with ANT.7

Date: 2021.11.03

Communication System Band: WLAN(ac)80MHz; Frequency: 5290 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5290 MHz; σ = 4.782 S/m; ε_r = 35.33; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(5.17, 5.17, 5.17); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.26 W/kg

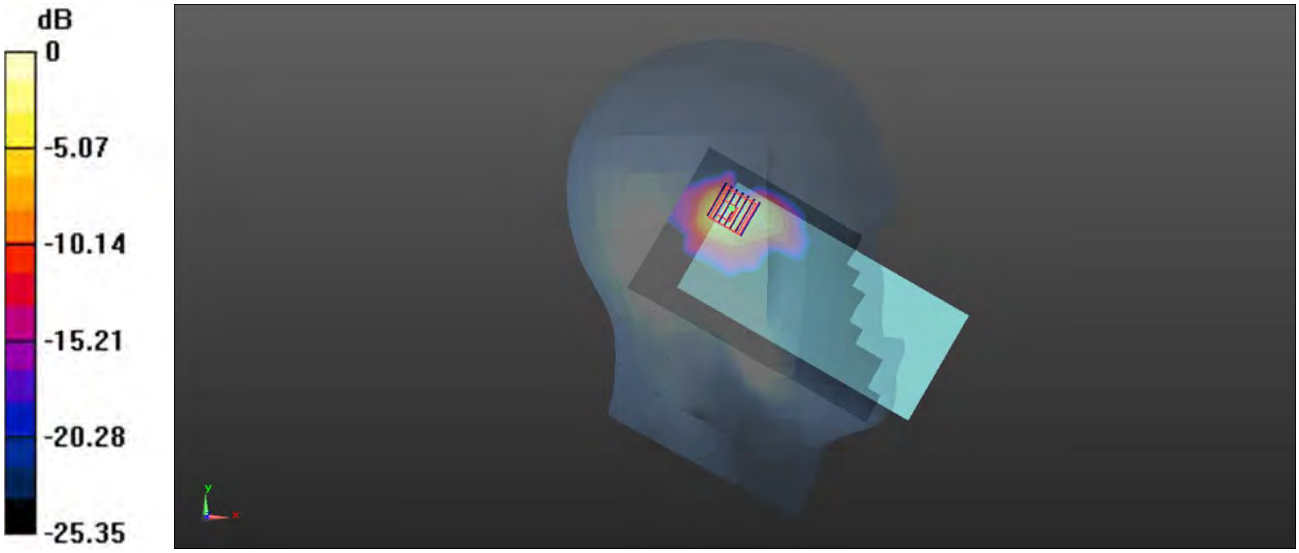
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.445 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.83 W/kg

SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.215 W/kg

Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.37 W/kg

Meas.86 Left Head with Cheek on 114 Channel in IEEE802.11ac160 mode with ANT.7+ANT.9

Date: 2021.11.04

Communication System Band: WLAN(ac)160MHz; Frequency: 5570 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5570 MHz; σ = 4.948 S/m; ε_r = 36.11; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.0 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.74, 4.74, 4.74); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch114/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.42 W/kg

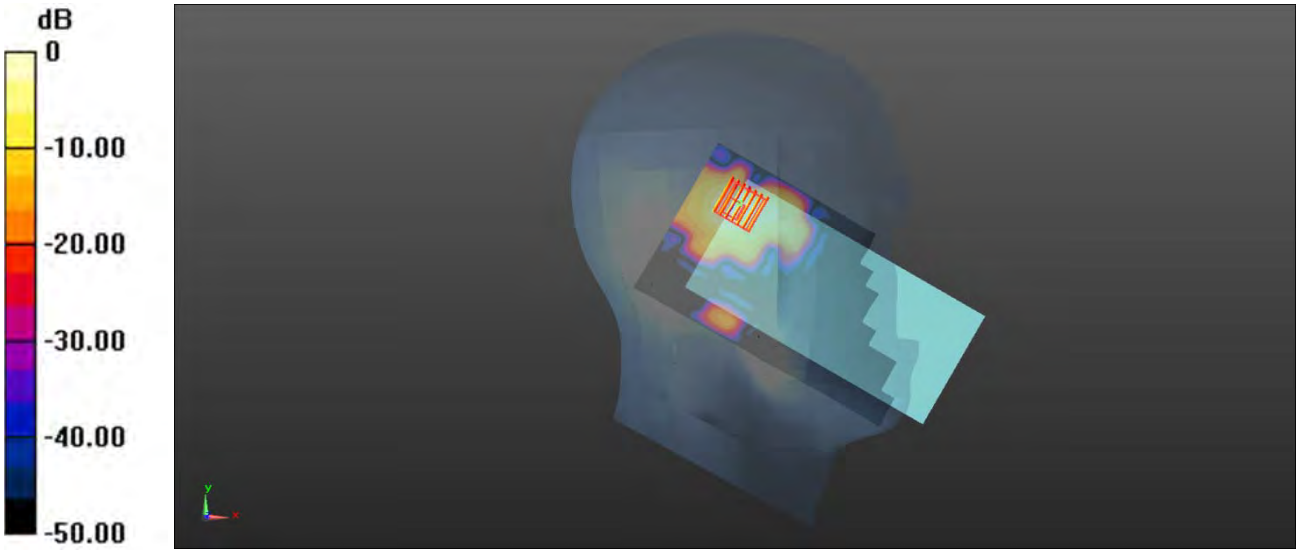
Ch114/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.190 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.91 W/kg

SAR(1 g) = 0.664 W/kg; SAR(10 g) = 0.207 W/kg

Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg

Meas.87 Left Head with Cheek on 155 Channel in IEEE802.11ac80 mode with ANT.7+ANT.9

Date: 2021.11.05

Communication System Band: WLAN(ac)80MHz; Frequency: 5775 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.219 S/m; ε_r = 35.121; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.76, 4.76, 4.76); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.49 W/kg

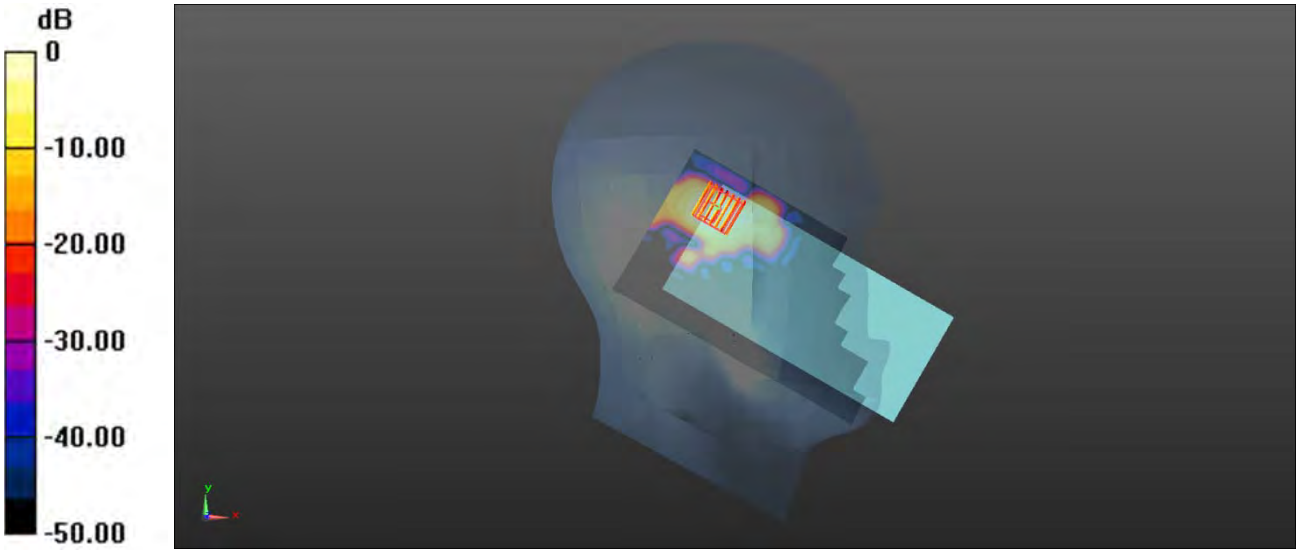
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.875 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.47 W/kg

SAR(1 g) = 0.515 W/kg; SAR(10 g) = 0.156 W/kg

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



0 dB = 1.05 W/kg

Meas.88 Body Plan with Front Side 15mm on 58 Channel in IEEE802.11ac80 mode with ANT.7+ANT.9

Date: 2021.11.06

Communication System Band: WLAN(ac)80MHz; Frequency: 5290 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5290 MHz; σ = 4.776 S/m; ε_r = 35.253; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(5.17, 5.17, 5.17); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.345 W/kg

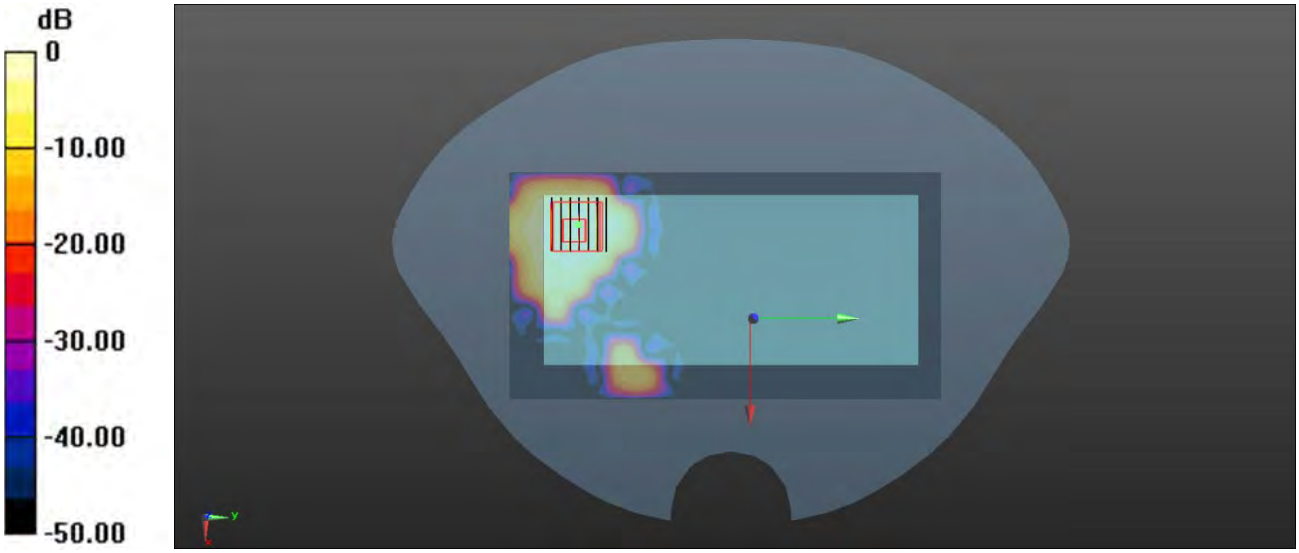
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.710 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.053 W/kg

Maximum value of SAR (measured) = 0.328 W/kg



0 dB = 0.328 W/kg

Meas.89 Body Plane with Front Side 15mm on 114 Channel in 802.11ac160 mode with ANT.7+ANT.9

Date: 2021.11.07

Communication System Band: WLAN(ac)160MHz; Frequency: 5570 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5570 MHz; σ = 4.942 S/m; ε_r = 36.074; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.74, 4.74, 4.74); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch114/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.495 W/kg

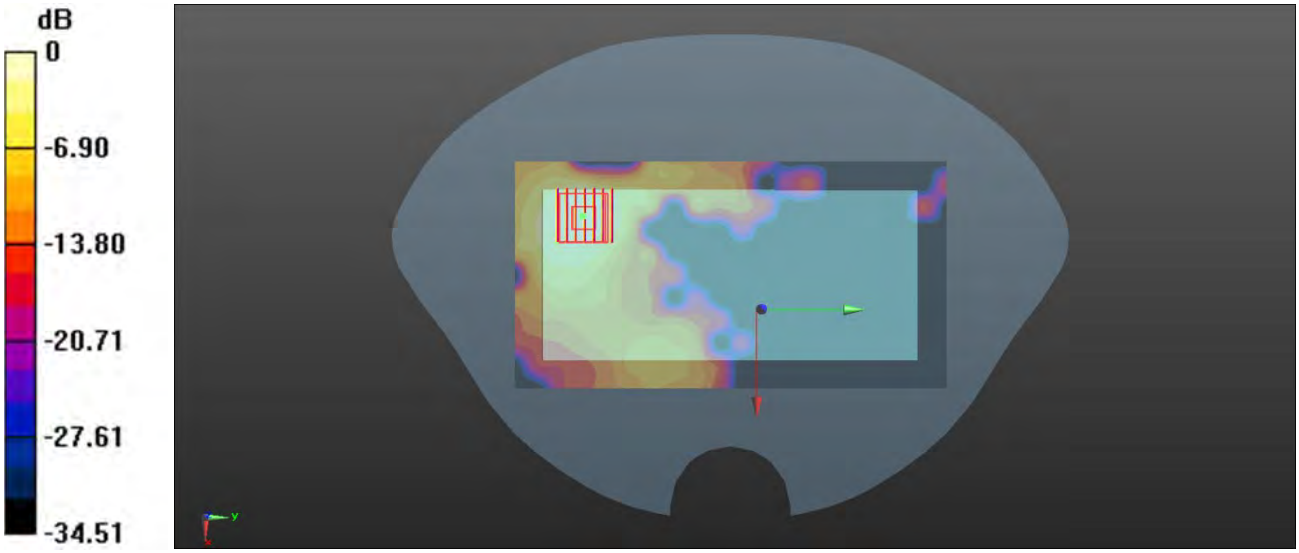
Ch114/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.7890 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.893 W/kg

SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.480 W/kg



0 dB = 0.480 W/kg

Meas.90 Body Plan with Front Side 15mm on 155 Channel in IEEE802.11ac80 mode with ANT.7+ANT.9

Date: 2021.11.08

Communication System Band: WLAN(ac)80MHz; Frequency: 5775 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.221 S/m; ε_r = 35.261; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.76, 4.76, 4.76); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.404 W/kg

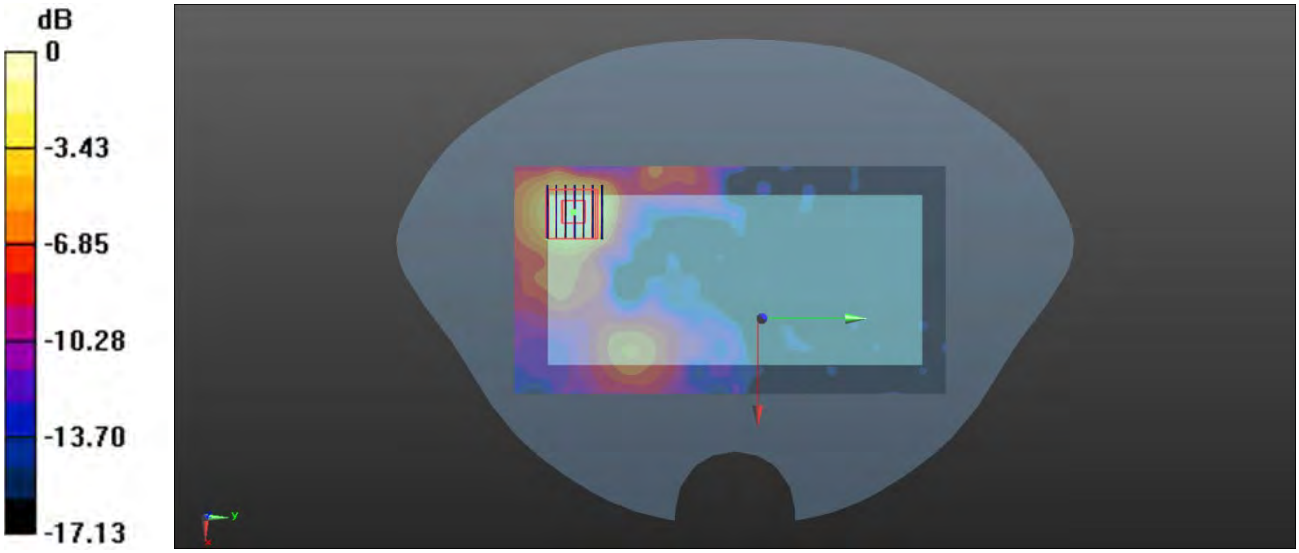
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.8060 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.715 W/kg

SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.391 W/kg



0 dB = 0.391 W/kg

Meas.91 Body Plane with Front Side 10mm on 42 Channel in 802.11ac80 mode with ANT.7+ANT.9

Date: 2021.11.06

Communication System Band: WLAN(ac)80MHz; Frequency: 5210 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5210 MHz; σ = 4.617 S/m; ε_r = 36.304; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(5.17, 5.17, 5.17); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch42/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.659 W/kg

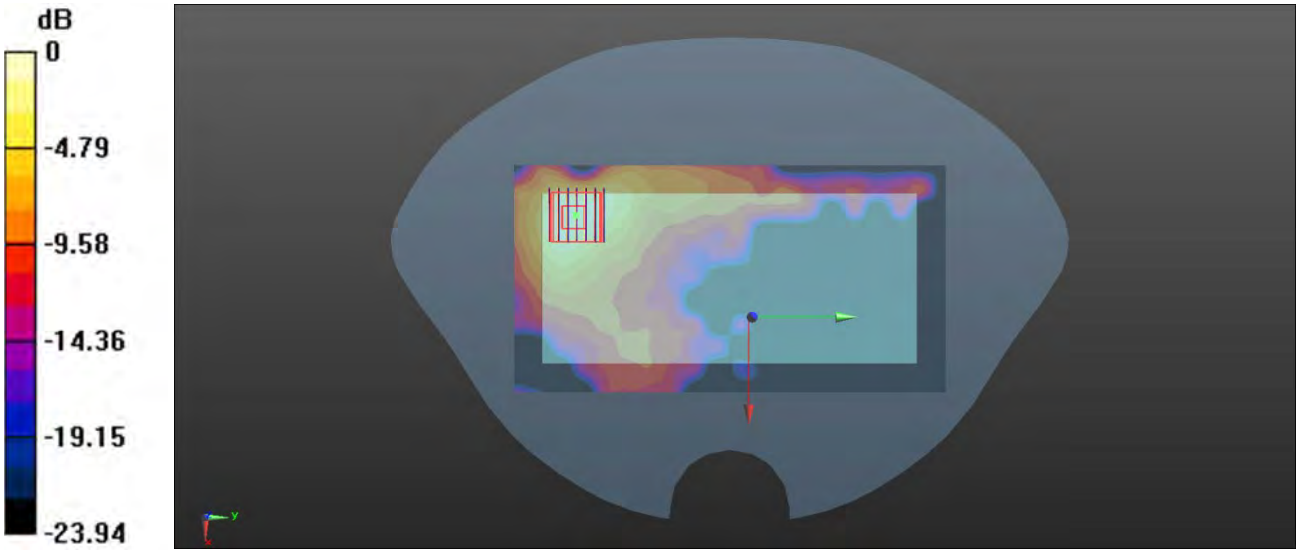
Ch42/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.099 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.670 W/kg



0 dB = 0.670 W/kg

Meas.92 Body Plan with Top Edge 10mm on 155 Channel in IEEE802.11ac80 mode with ANT.7+ANT.9

Date: 2021.11.08

Communication System Band: WLAN(ac)80MHz; Frequency: 5775 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.221 S/m; ε_r = 35.261; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.76, 4.76, 4.76); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.699 W/kg

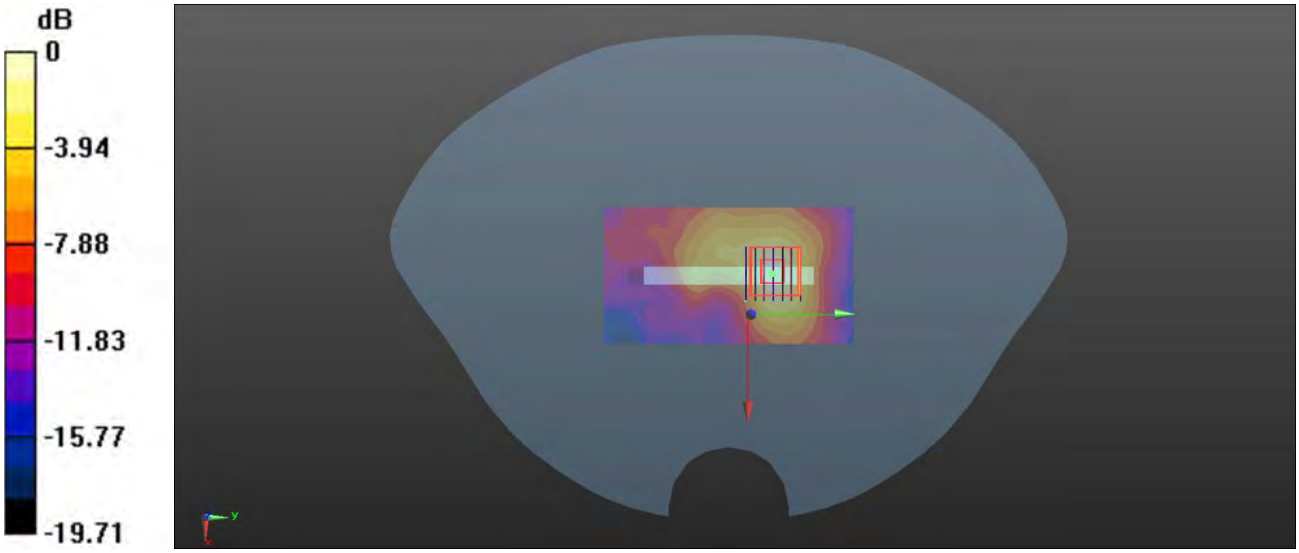
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.547 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.140 W/kg

Maximum value of SAR (measured) = 0.688 W/kg



0 dB = 0.688 W/kg

Meas.93 Body Plane with Front Side 0mm on 58 Channel in 802.11ac80 mode with ANT.7+ANT.9

Date: 2021.11.06

Communication System Band:WLAN(ac)80MHz; Frequency: 5290 MHz;Duty Cycle: 1:1.008

Medium parameters used (interpolated): f = 5290 MHz; σ = 4.776 S/m; ε_r = 35.253; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(5.17, 5.17, 5.17); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 10.9 W/kg

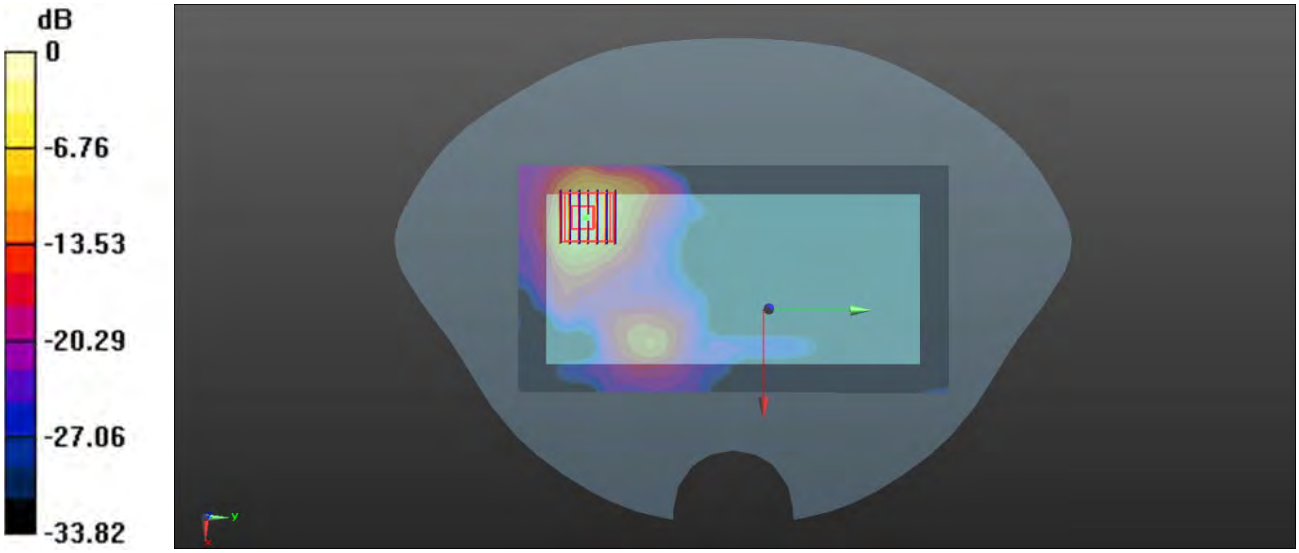
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.317 V/m; Power Drift =0.10 dB

Peak SAR (extrapolated) = 28.7 W/kg

SAR(1 g) = 5.66 W/kg; SAR(10 g) = 1.63 W/kg

Maximum value of SAR (measured) = 12.0 W/kg



0 dB = 12.0 W/kg

Meas.94 Body Plane with Front Side 0mm on 114 Channel in 802.11ac160 mode with ANT.7+ANT.9

Date: 2021.11.07

Communication System Band: WLAN(ac)160MHz; Frequency: 5570 MHz;Duty Cycle: 1:1.006

Medium parameters used (interpolated): f = 5570 MHz; σ = 4.942 S/m; ε_r = 36.074; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.74, 4.74, 4.74); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch114/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.83 W/kg

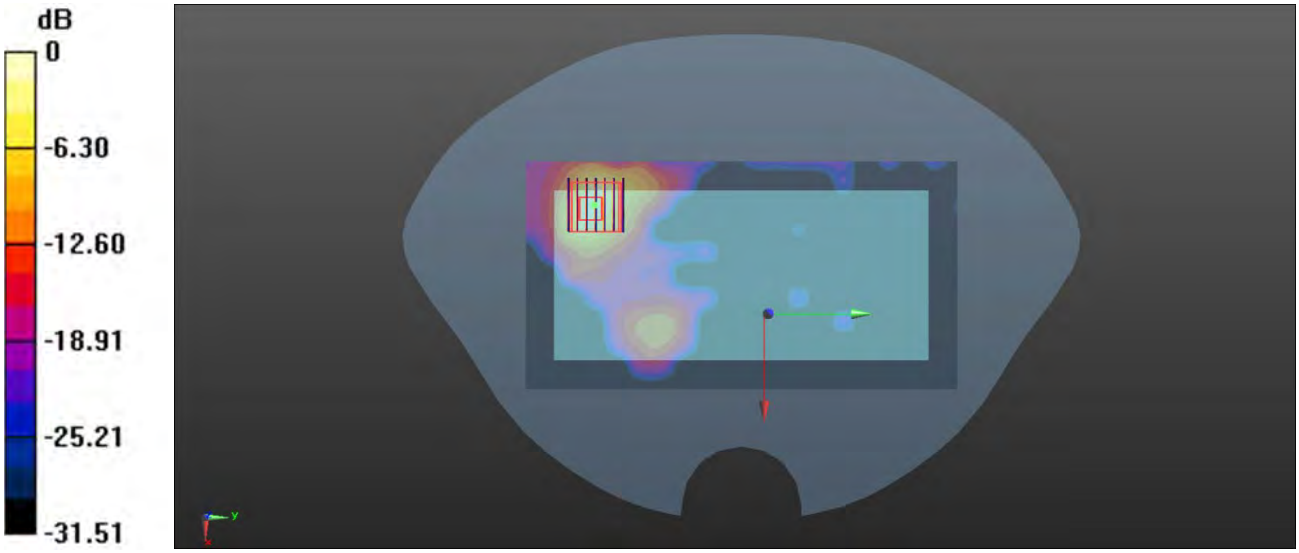
Ch114/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.828 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 24.6 W/kg

SAR(1 g) = 4.67 W/kg; SAR(10 g) = 1.38 W/kg

Maximum value of SAR (measured) = 10.3 W/kg



0 dB = 10.3 W/kg

Meas.95 Left Head with Cheek on Low Channel in Bluetooth mode with ANT.10

Date: 2021.12.12

Communication System: Bluetooth; Frequency: 2402 MHz;Duty Cycle: 1:1.331

Medium parameters used (interpolated): f = 2402 MHz; σ = 1.741 S/m; ε_r = 39.992; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch0/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.512 W/kg

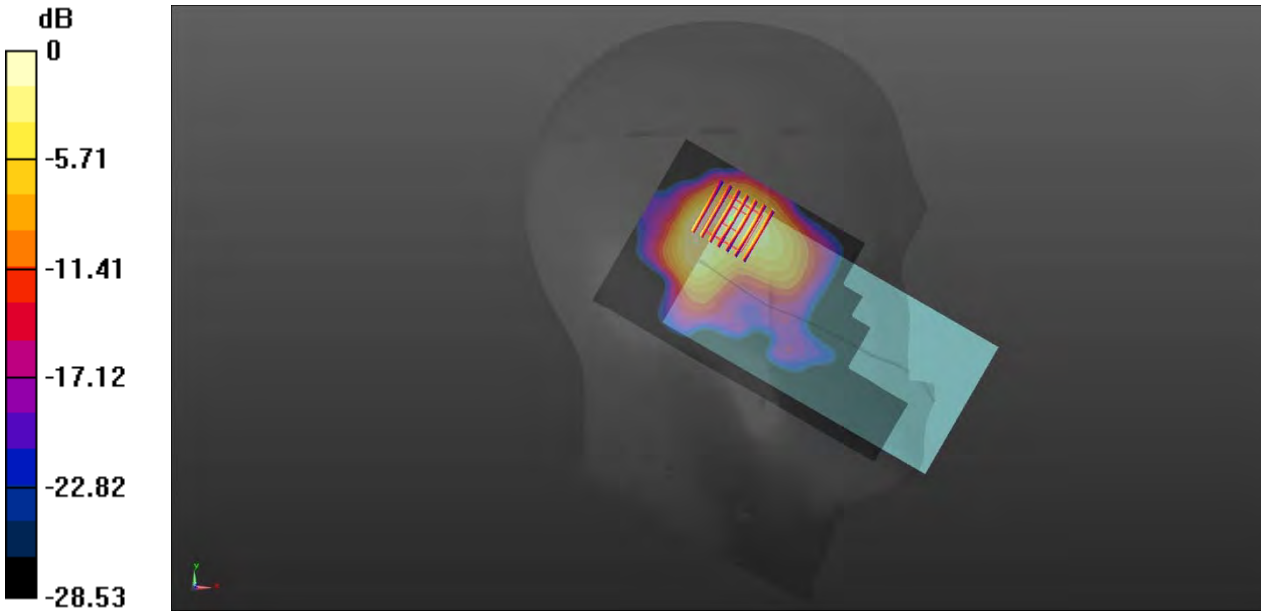
Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.81 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.986 W/kg

SAR(1 g) = 0.433 W/kg; SAR(10 g) = 0.183 W/kg

Maximum value of SAR (measured) = 0.512 W/kg



0 dB = 0.512 W/kg

Meas.96 Body Plane with Front Side 15mm on Low Channel in Bluetooth mode with ANT.10

Date: 2021.12.13

Communication System: Bluetooth; Frequency: 2402 MHz;Duty Cycle: 1:1.331

Medium parameters used (interpolated): f = 2402 MHz; σ = 1.743 S/m; ε_r = 39.907; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch0/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0595 W/kg

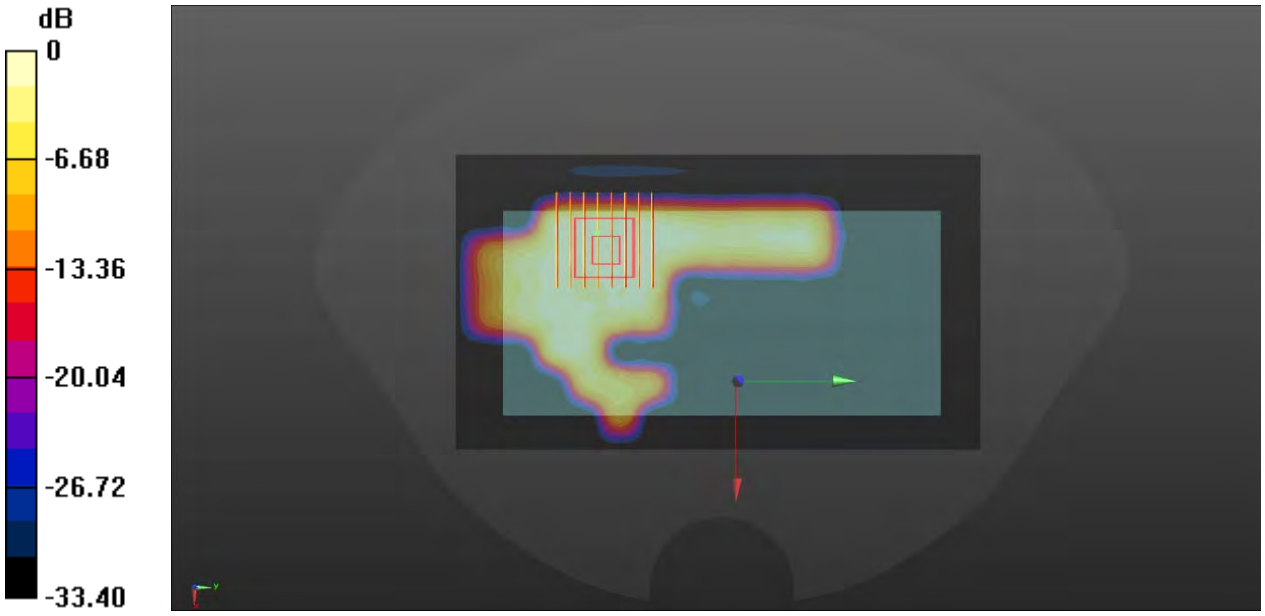
Ch0/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.8640 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0600 W/kg

SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.017 W/kg

Maximum value of SAR (measured) = 0.0352 W/kg



0 dB = 0.0352 W/kg

Meas.97 Body Plane with Top Edge 10mm on Low Channel in Bluetooth mode with ANT.10

Date: 2021.12.13

Communication System: Bluetooth; Frequency: 2402 MHz;Duty Cycle: 1:1.331

Medium parameters used (interpolated): f = 2402 MHz; σ = 1.743 S/m; ε_r = 39.907; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch0/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.132 W/kg

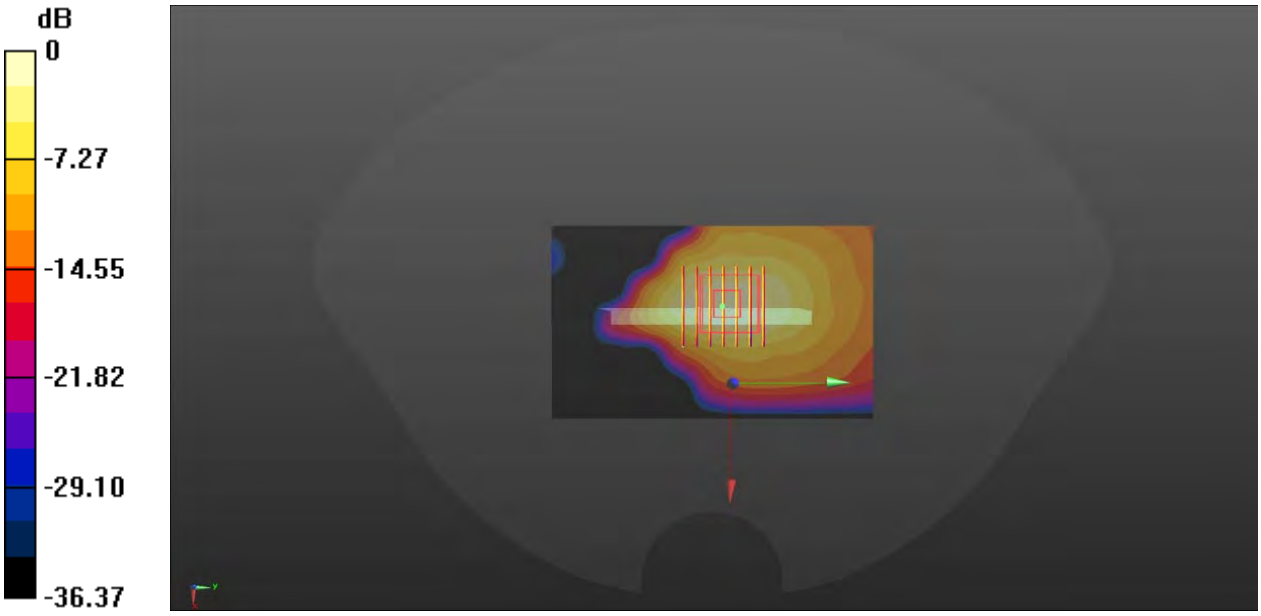
Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.251 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.240 W/kg

SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.057 W/kg

Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.140 W/kg

Meas.98 Right Head with Tilt on Middle Channel in LTE B7 mode with ANT.3

Date: 2021.10.13

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; σ = 1.896 S/m; ε_r = 38.965; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm.

Maximum value of SAR (interpolated) = 0.781 W/kg

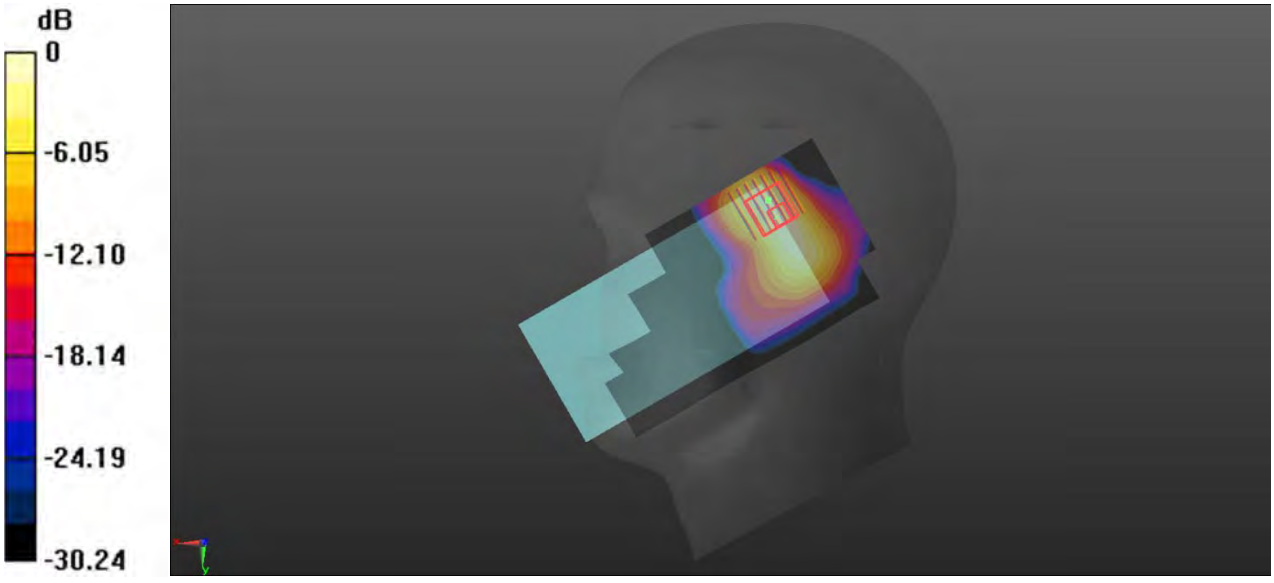
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.37 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.667 W/kg; SAR(10 g) = 0.261 W/kg

Maximum value of SAR (measured) = 0.775 W/kg



0 dB = 0.775 W/kg

Meas.99 Body Plane with Front Side 15mm on Middle Channel in LTE B7 mode with ANT.3

Date: 2021.10.13

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; σ = 1.896 S/m; ε_r = 38.965; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.107 W/kg

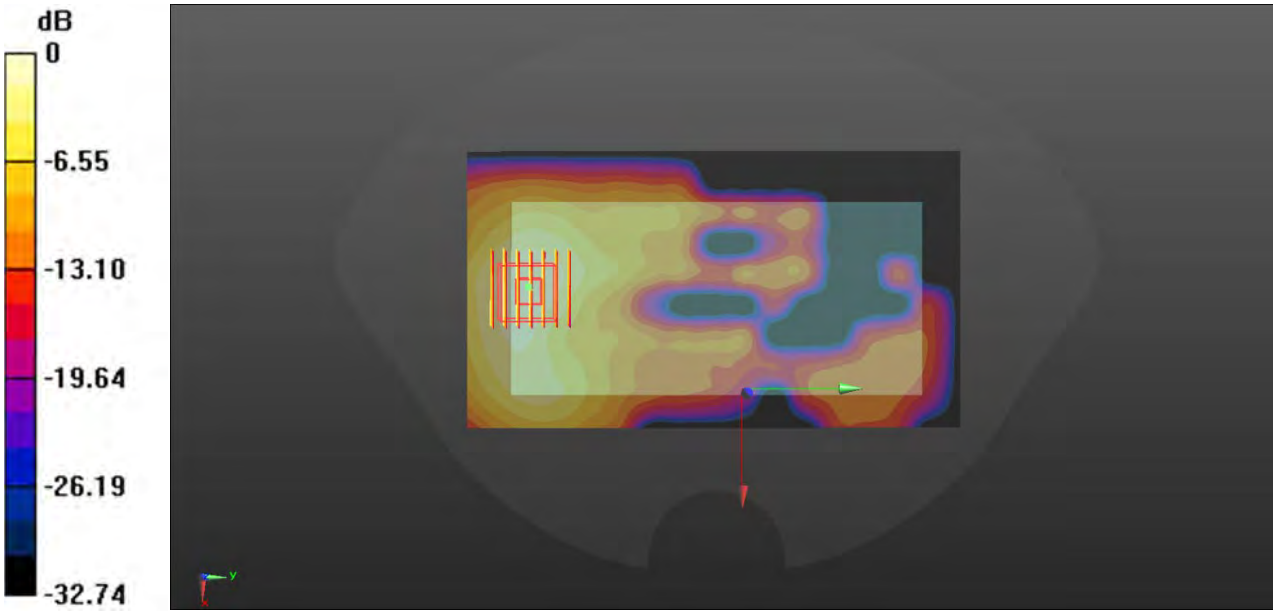
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.059 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.183 W/kg

SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.055 W/kg

Maximum value of SAR (measured) = 0.109 W/kg



0 dB = 0.109 W/kg

Meas.100 Body Plane with Top Side 10mm on Middle Channel in LTE B7 mode with ANT.3

Date: 2021.10.13

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; σ = 1.896 S/m; ε_r = 38.965; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.488 W/kg

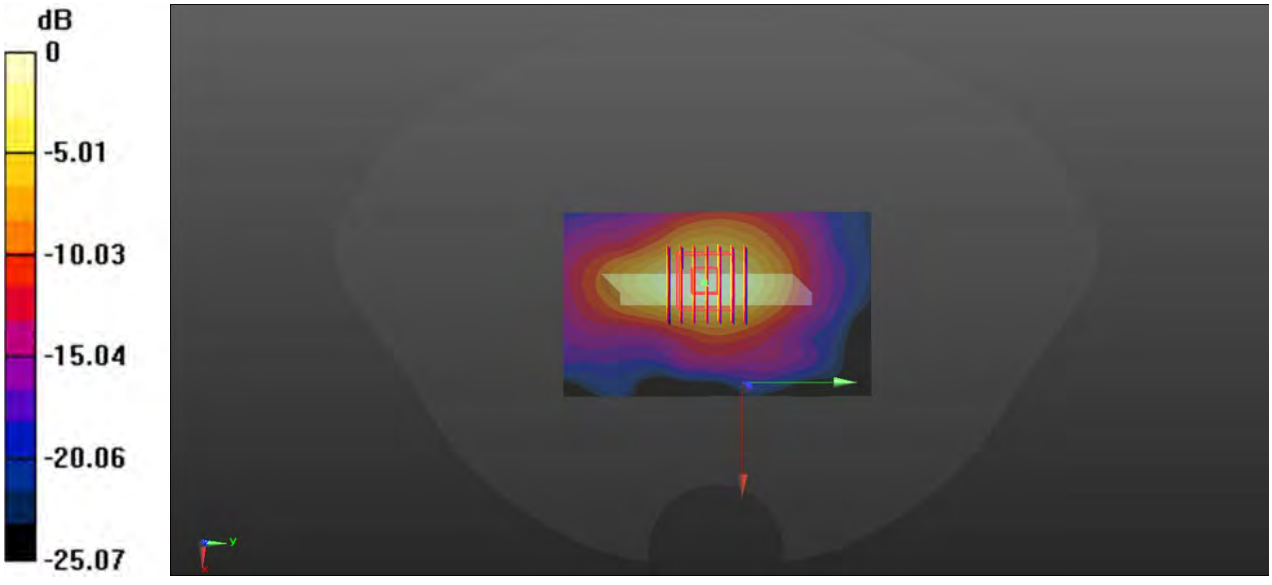
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.26 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.822 W/kg

SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.203 W/kg

Maximum value of SAR (measured) = 0.478 W/kg



0 dB = 0.478 W/kg

Meas.101 Right Head with Tilt on Low Channel in LTE B38 mode with ANT.3

Date: 2021.10.09

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; σ = 1.948 S/m; ε_r = 38.756; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

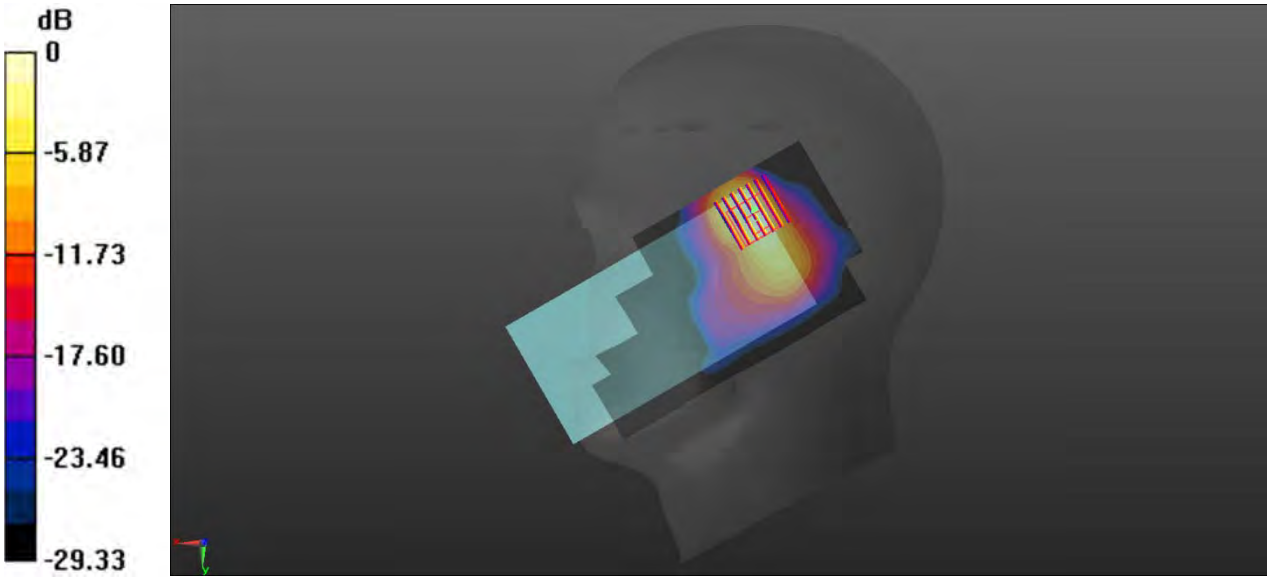
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.40 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.33 W/kg

SAR(1 g) = 0.881 W/kg; SAR(10 g) = 0.354 W/kg

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



0 dB = 1.06 W/kg

Meas.102 Body Plane with Back Side 15mm on High Channel in LTE B38 mode with ANT.3

Date: 2021.10.09

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; σ = 1.987 S/m; ε_r = 38.526; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.141 W/kg

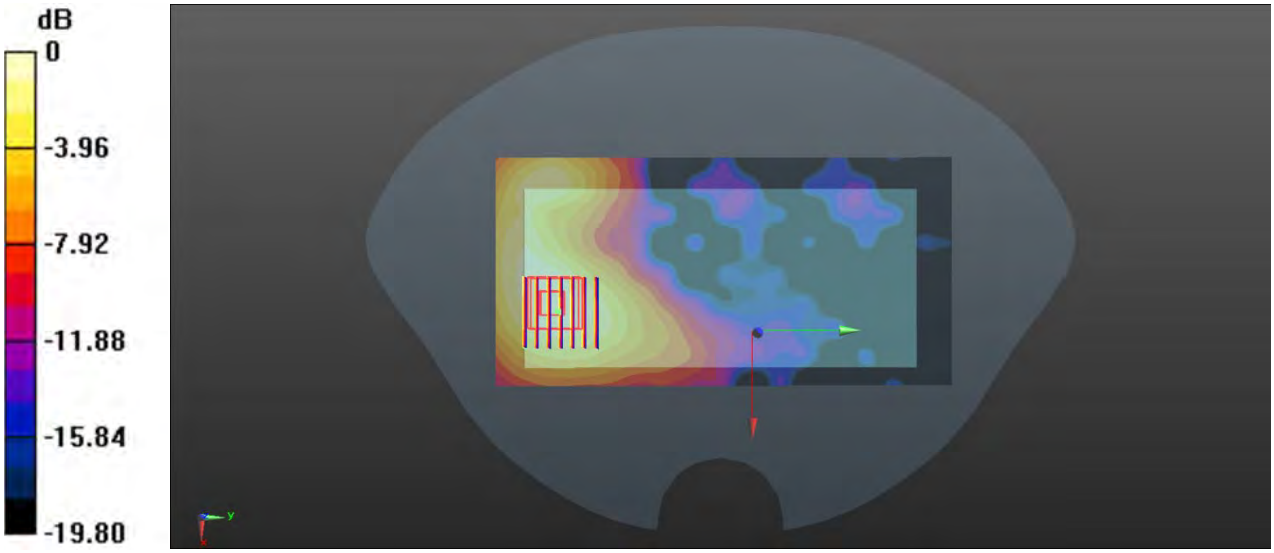
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.158 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.238 W/kg

SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.075 W/kg

Maximum value of SAR (measured) = 0.144 W/kg



0 dB = 0.144 W/kg

Meas.103 Body Plane with Top Side 10mm on Low Channel in LTE B38 mode with ANT.3

Date: 2021.10.09

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; σ = 1.948 S/m; ε_r = 38.756; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.365 W/kg

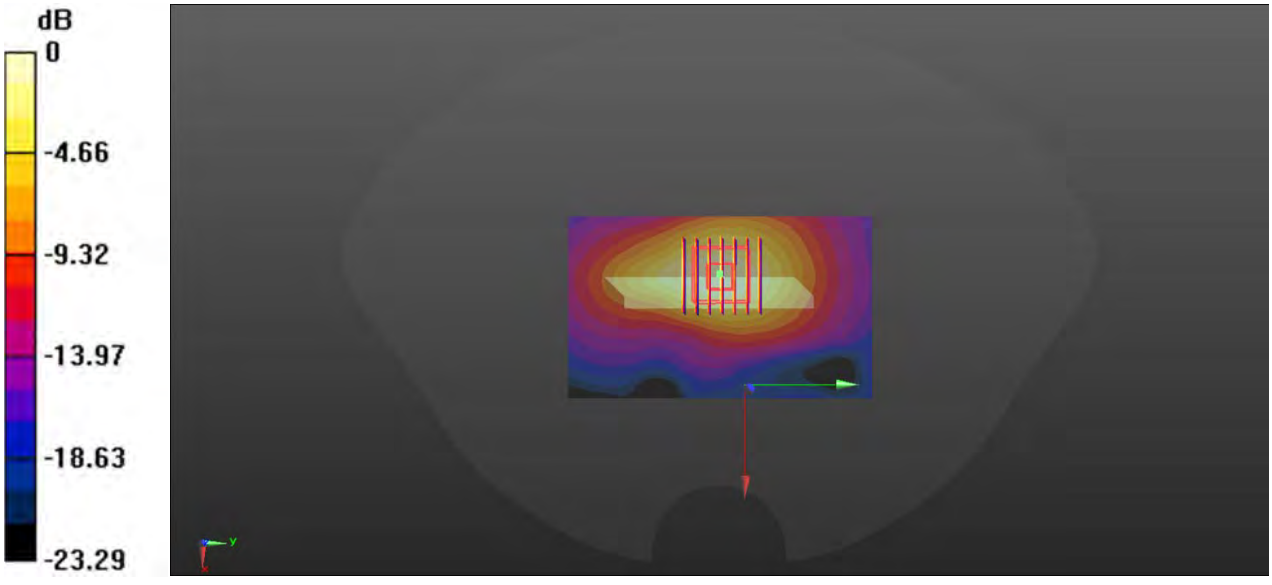
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.09 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.581 W/kg

SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.158 W/kg

Maximum value of SAR (measured) = 0.350 W/kg



0 dB = 0.350 W/kg

Meas.104 Right Head with Tilt on Low Channel in LTE B41 mode with ANT.3

Date: 2021.10.10

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2549.5 MHz;Duty Cycle: 1:1.58

Medium parameters used: f = 2549.5 MHz; σ = 1.915 S/m; ε_r = 38.838; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40185/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

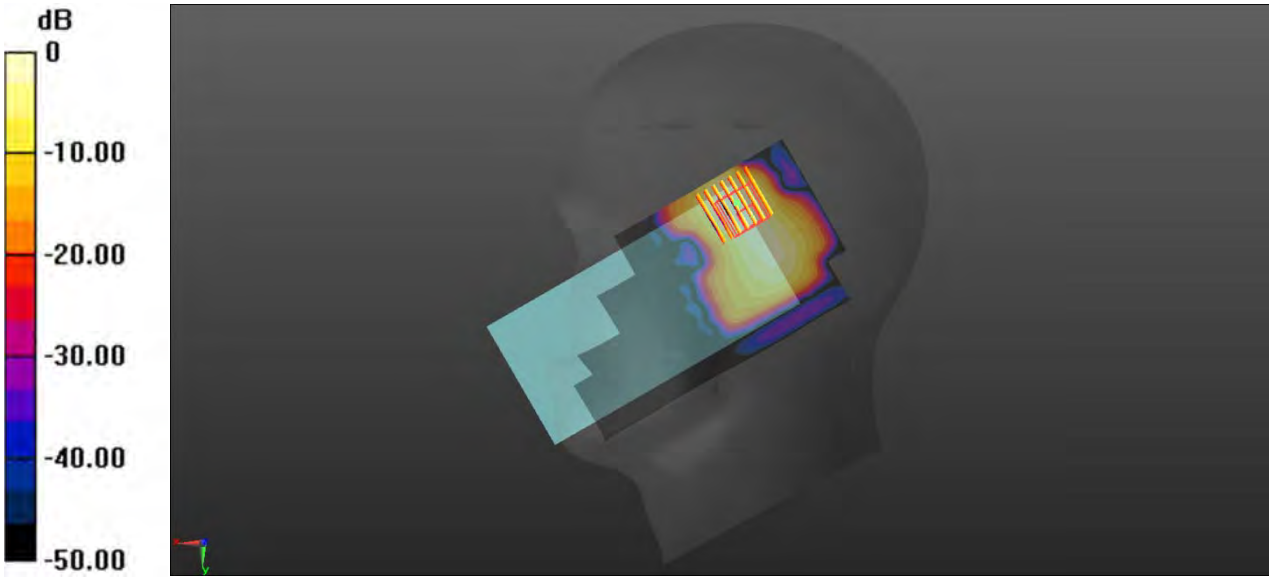
Ch40185/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.27 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.990 W/kg

SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.520 W/kg



0 dB = 0.520 W/kg

Meas.105 Body Plane with Back Side 15mm on Middle Channel in LTE B41 mode with ANT.3

Date: 2021.10.10

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2593 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2593 MHz; σ = 1.965 S/m; ε_r = 38.473; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.117 W/kg

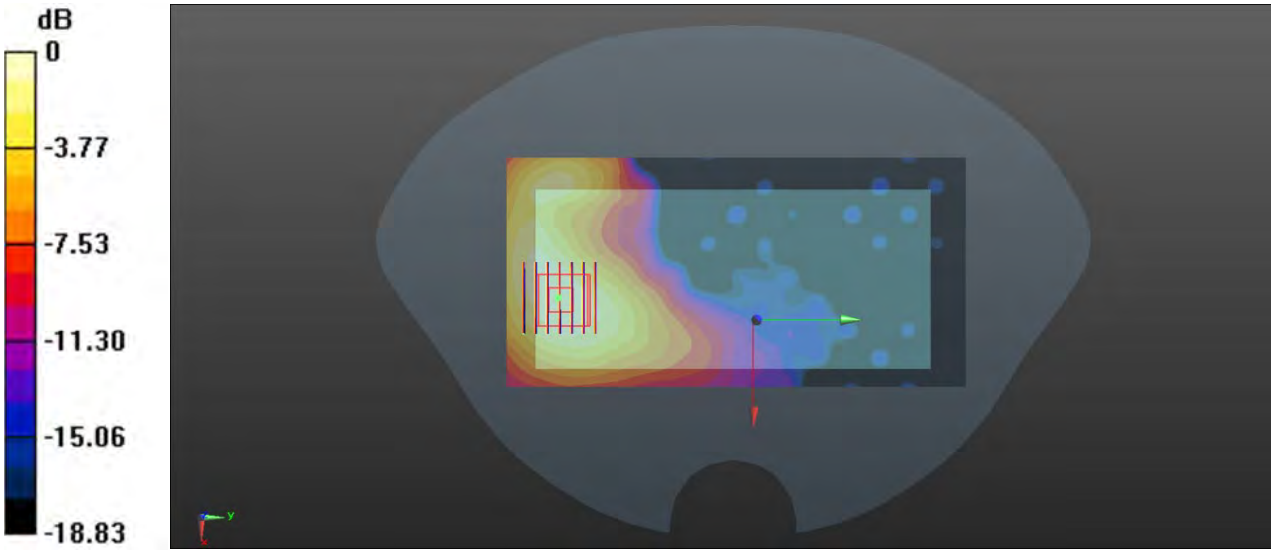
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.9790 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.189 W/kg

SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.062 W/kg

Maximum value of SAR (measured) = 0.118 W/kg



0 dB = 0.118 W/kg

Meas.106 Body Plane with Top Side 10mm on Low Channel in LTE B41 mode with ANT.3

Date: 2021.10.10

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2549.5 MHz;Duty Cycle: 1:1.58

Medium parameters used: f = 2549.5 MHz; σ = 1.915 S/m; ε_r = 38.838; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40185/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.299 W/kg

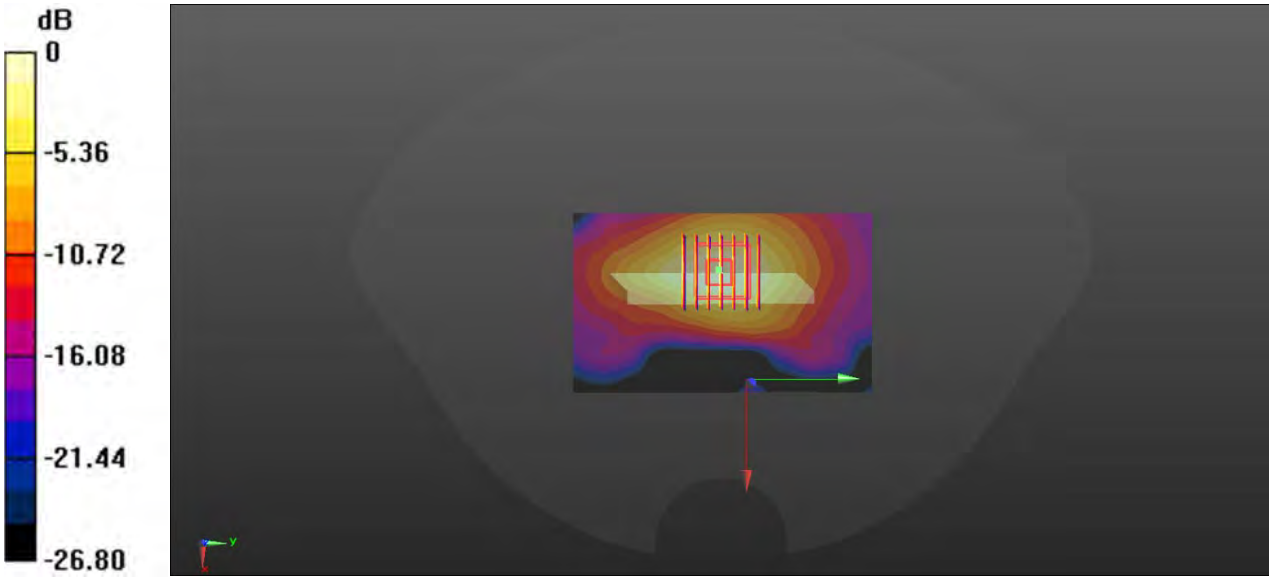
Ch40185/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.01 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.494 W/kg

SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.296 W/kg



0 dB = 0.296 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2190589-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2190589-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “CALIBRATION REPORT.pdf”.

--END OF REPORT--