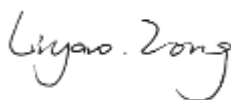
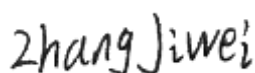


TEST REPORT

Applicant: Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address: NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China
Equipment Type: Mobile Phone
Model Name: CPH2357
Brand Name: OPPO
FCC ID: R9C-CPH2357
Test Standard: FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR: Head (1 g): 1.18 W/kg
Body (1 g): 0.78 W/kg
Hotspot (1 g): 0.99 W/kg
Test Date: Mar. 09, 2022 - Apr. 08, 2022
Date of Issue: Apr. 24, 2022

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Zhang Jiwei**Checked by:** Zong Liyao**Approved by:** Wei Yanquan
(Chief Engineer)

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Apr. 24, 2022</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Identification of the Testing Laboratory

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

1.2 Identification of the Responsible Testing Location

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

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	CPH2357
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	ColorOS V12.1
Dimensions (Approx.)	161.2mm*74.2mm*7.34mm
Weight (Approx.)	183g(with battery)
EUT ID	S16; S17; S18
IMEI Number	S16: 868380060030191 S17: 868380060028310 S18: 868380060024137
Note1: EUT ID is used to identify the test sample in the lab internally.	
Note2: It is performed to test SAR with the EUT S16&17 and conducted power with the EUT S18.	

2.5 Ancillary Equipment

Ancillary Equipment 1	Li-Polymer Battery 1	
	Brand Name	SUPERVOOC
	Model No.	BLP929
	Serial No.	N/A
	Capacitance	Rated: 2185mAh/16.99Wh Typical: 2250mAh/17.50Wh
	Rated Voltage	7.78 V
	Limited Voltage	8.96 V
	Manufacturer	Dongguan NVT Technology Co., Ltd.
Ancillary Equipment 2	Li-Polymer Battery 2	
	Brand Name	SUPERVOOC
	Model No.	BLP929
	Serial No.	N/A
	Capacitance	Rated: 2185mAh/16.99Wh Typical: 2250mAh/17.50Wh
	Rated Voltage	7.78 V
	Limited Voltage	8.96 V
	Manufacturer	Sunwoda Electronic Co., Ltd.

2.6 Technical Information

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

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

Operating Mode	GSM, WCDMA, LTE, NR, 2.4G WLAN, 5G WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	NR n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	NR n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	NR n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	NR n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	802.11b/g/n(HT20/HT40)	2412 ~ 2462 MHz	

	802.11a/ /n(HT20/HT40)	5150 ~ 5250 MHz
	/ac(VHT20/VHT40	5250 ~ 5350 MHz
	/VHT80)/ax(HE20/ VHT40/VHT80)	5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	Bluetooth	2402 ~ 2480 MHz
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna	
DTM	Not 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 8.7.		

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	FCC KDB 447498 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/ Controlled Exposure
Whole-Body SAR (averaged over the entire body)	0.08	0.4
Partial-Body SAR (averaged over any 1 gram of tissue)	1.60	8.0
SAR for hands, wrists, feet and ankles (averaged over any 10 grams of tissue)	4.0	20.0

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR (1 g Value)

Band	Maximum Scaled SAR (W/kg)			Maximum Report SAR (W/kg)		
	Head	Body-worn Accessory	Hotspot	Head	Body-worn Accessory	Hotspot
GSM 850	0.59	0.43	0.41	1.18	0.78	0.99
GSM 1900	0.87	0.19	0.50			
WCDMA Band 2	0.88	0.29	0.56			
WCDMA Band 4	0.84	0.27	0.57			
WCDMA Band 5	1.01	0.43	0.62			
LTE Band 2	0.78	0.27	0.70			
LTE Band 4	0.59	0.24	0.43			
LTE Band 5	1.12	0.46	0.59			
LTE Band 7	0.94	0.25	0.45			
LTE Band 12	0.11	0.12	0.13			
LTE Band 26	1.18	0.52	0.60			
LTE Band 38	0.90	0.33	0.82			
LTE Band 41	0.89	0.35	0.59			
NR5	0.82	0.47	0.45			
NR7	0.91	0.40	0.54			
NR 38	1.05	0.42	0.84			
NR 41	1.03	0.41	0.67			
2.4G WLAN	1.06	0.18	0.60			
5.2G WLAN	/	/	0.29			
5.3G WLAN	0.80	0.19	/			
5.6G WLAN	0.84	0.27	/			
5.8G WLAN	0.66	0.78	0.99			
Bluetooth	0.33	0.03	0.06			
Limit (W/kg)	1.6			1.6		
Verdict	PASS					

Note: The device supports both LTE Band 12 and Band 17 . 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 bands 12.

3.3.2 Highest Specific SAR (10 g Value)

Band	Maximum Scaled SAR (W/kg)	Maximum Report SAR (W/kg)
	Specific 10g	
LTE Band38	2.39	2.39
5.3G WLAN	1.09	
5.6G WLAN	0.86	
Limit (W/kg)	4.0	4.0
Verdict	Pass	

3.3.3 Highest Simultaneous SAR

Note: The highest simultaneous SAR please refer section 12.

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 1.18 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

The maximum 10 g SAR for the EUT in this report is 2.39 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

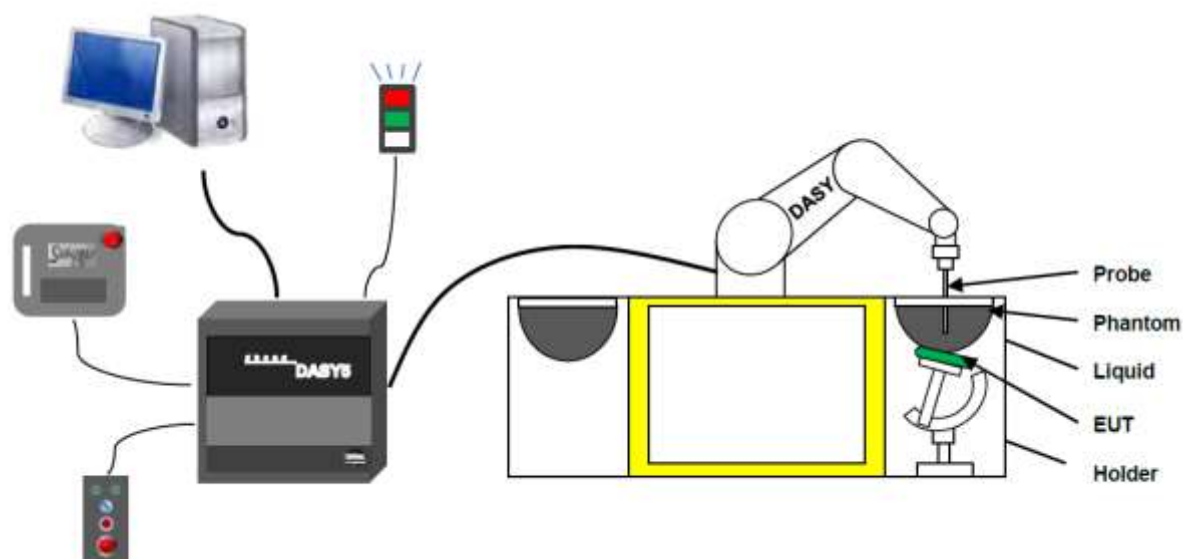
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



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

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

4.2.2 Robot

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



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

4.2.3 E-Field Probe

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

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



E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

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



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

4.2.5 Phantoms

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



- Left hand
- Right hand
- Flat phantom

Photo of Phantom SN1859



Serial Number	Material	Length	Height
SN 1859 SAM2	Vinylester, glass fiber reinforced	1000	500

4.2.6 Device Holder

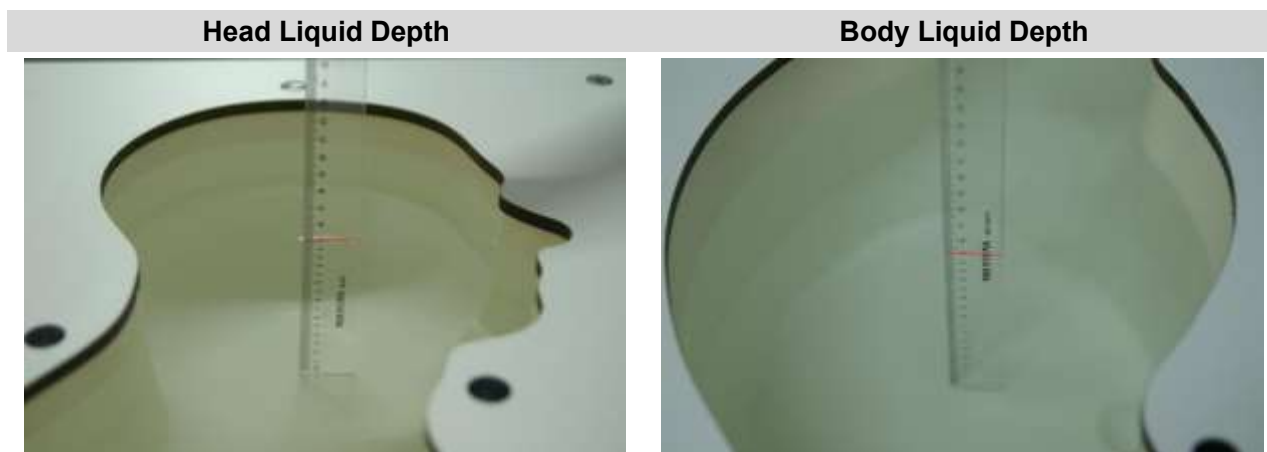
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65°. The bottom plate contains three pair of bolts for 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. In compliance with CENELEC, the tilt angle uncertainty is lower than 1° .

4.2.7 Simulating Liquid

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



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

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

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

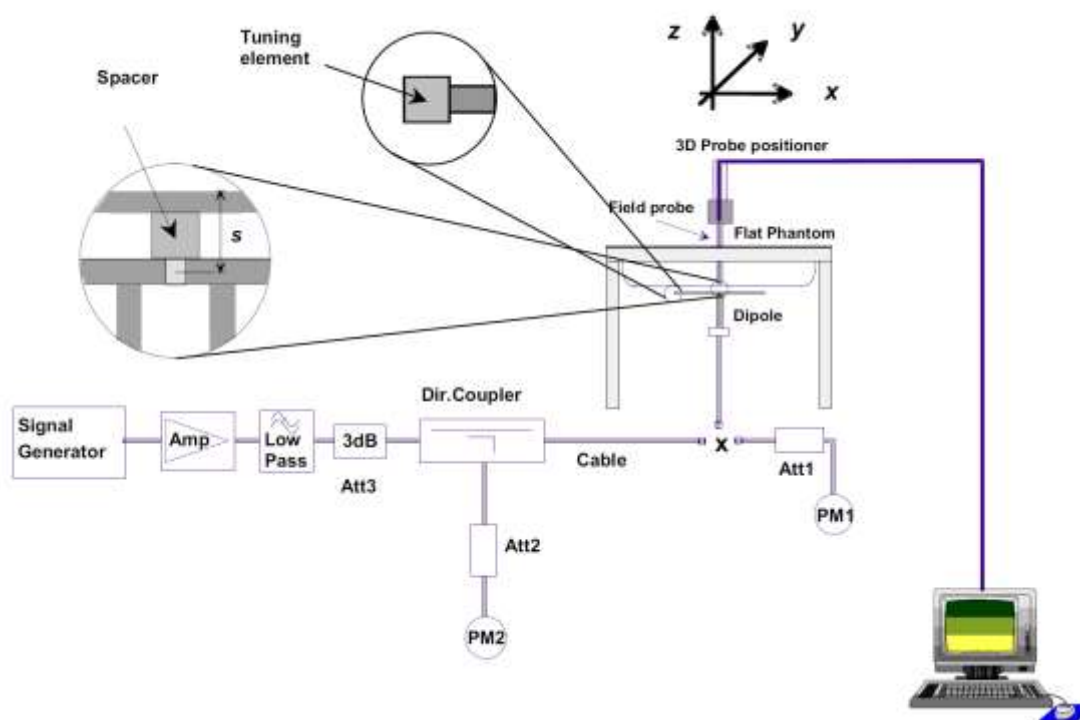
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

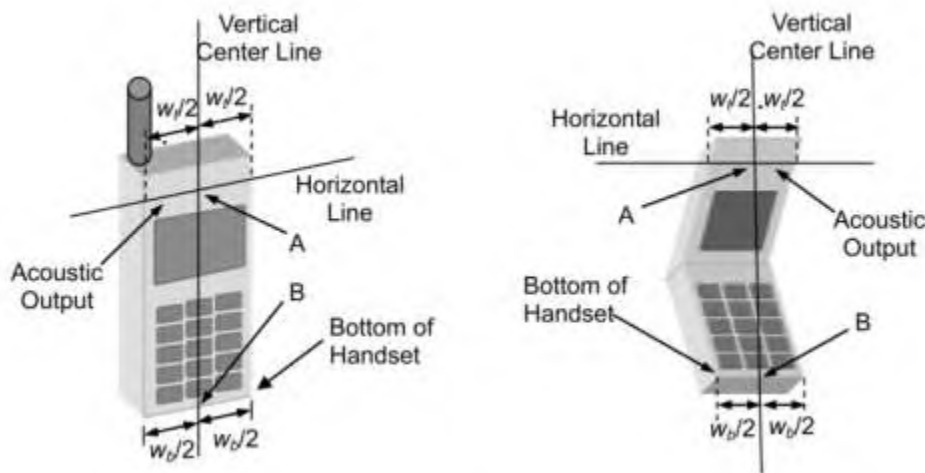
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

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

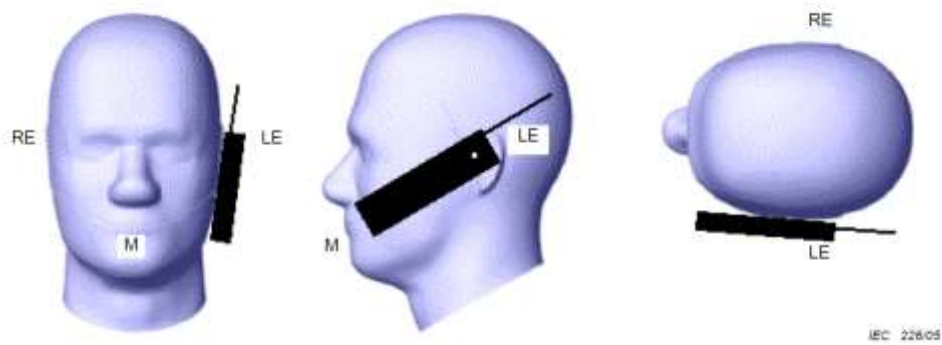
6.1.1 Two Imaginary Lines on the Handset

- The vertical center line passes through two points on the front side of the handset - the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.
- The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.
- The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



6.1.2 Cheek Position

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



6.1.3 Tilted Position

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

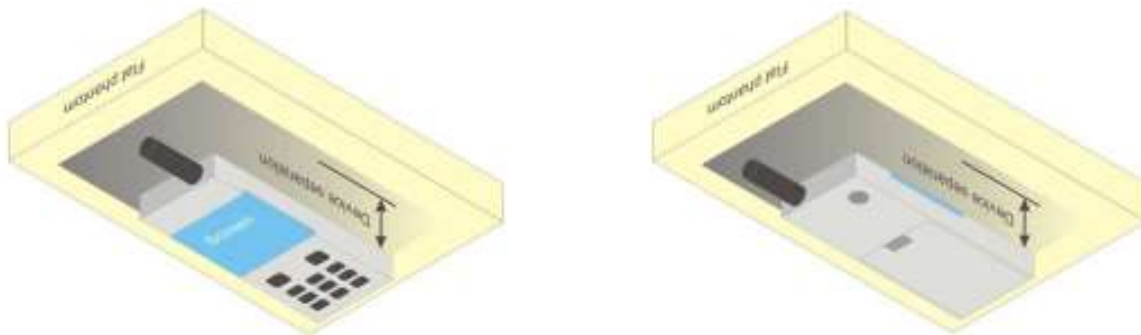


6.2 Body-worn Position Conditions

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

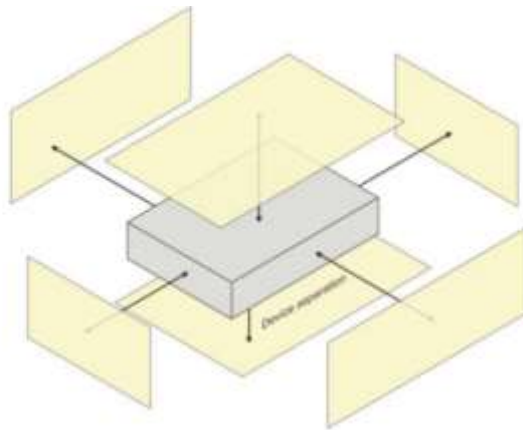
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



6.4 Product Specific 10g Exposure Consideration

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

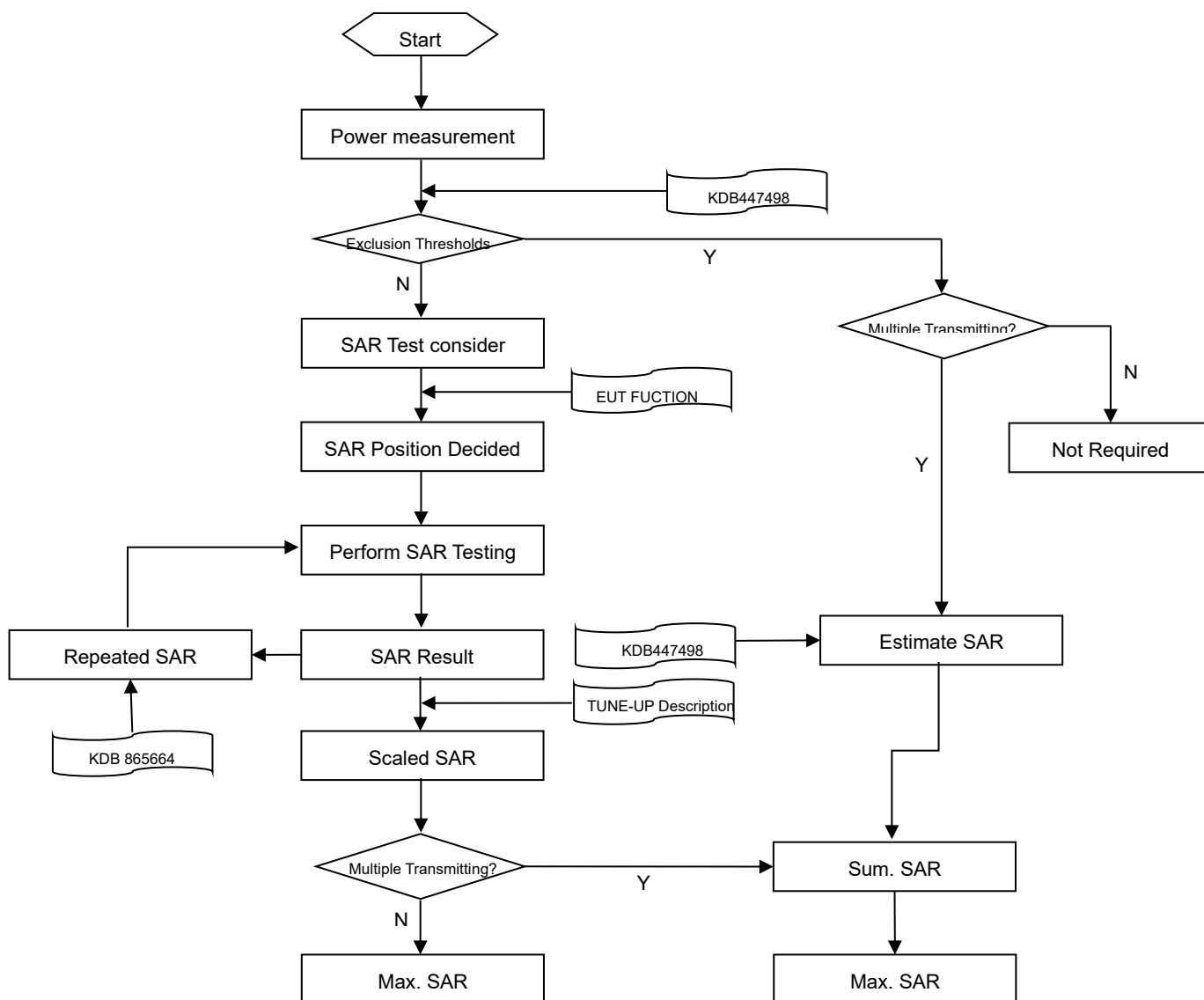
The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address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

6

6.

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

Note:

1. δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
2. * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

7.3 Measurement Procedure

The following steps are used for each test position

- a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- c. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

7.4 Area & Zoom Scan Procedure

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

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

8 CONDUCTED RF OUPUT POWER

8.1 GSM

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

8.2 WCDMA

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

8.3 LTE

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

8.4 Intra-Band Uplink CA Normal Power

Note:

1. This devices supports intra-band uplink CA of 7C/38C/41C.
2. For intra-band uplink carrier aggregation power verification and measurement is selected highest PCC and SCC bandwidth combination to do and was according to 3GPP 36.52101 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 NR

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

8.6 WIFI

8.6.1 2.4G WIFI Full Power ANT 9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.85	19.00	No
		6	2437	18.23	19.00	Yes
		11	2462	17.92	19.00	No
	802.11g	1	2412	12.52	13.00	No
		2	2417	14.61	15.00	No
		3	2422	17.92	19.00	No
		6	2437	17.88	19.00	No
		10	2457	17.83	19.00	No
		11	2462	13.60	14.00	No
	802.11n(HT20)	1	2412	11.24	12.50	No
		2	2417	14.51	15.00	No
		3	2422	17.87	19.00	No
		6	2437	18.01	19.00	No
		9	2452	17.83	19.00	No
		10	2457	16.12	16.50	No
		11	2462	11.45	12.50	No
	802.11n(HT40)	3	2422	13.76	14.50	No
		4	2427	14.87	16.00	No
		5	2432	15.04	16.00	No
		6	2437	15.10	16.00	No
		7	2442	16.20	17.00	No
		8	2447	12.60	13.00	No
		9	2452	11.47	12.00	No
	VHT20	1	2412	11.34	12.50	No
		2	2417	14.56	15.00	No
		3	2422	16.91	18.00	No
		4	2427	17.47	19.00	No
		6	2437	17.78	19.00	No
		9	2452	18.59	19.00	No
		10	2457	16.12	16.50	No
		11	2462	13.07	13.50	No
	VHT40	3	2422	14.26	15.00	No
		4	2427	14.88	16.00	No
		5	2432	15.00	16.00	No
		6	2437	15.53	16.50	No

		7	2442	14.24	15.00	No
		8	2447	12.56	13.00	No
		9	2452	12.45	13.00	No
	802.11ax(HE20)	1	2412	11.44	12.50	No
		2	2417	13.76	14.00	No
		3	2422	16.15	17.00	No
		4	2427	17.60	19.00	No
		6	2437	17.96	19.00	No
		8	2447	18.64	19.00	No
		9	2452	16.78	17.00	No
		10	2457	14.85	15.00	No
		11	2462	13.21	13.50	No
	802.11ax(HE40)	3	2422	14.07	14.50	No
		4	2427	14.67	15.50	No
		5	2432	14.83	15.50	No
		6	2437	14.90	15.50	No
		7	2442	14.57	15.00	No
		8	2447	12.81	13.00	No
		9	2452	12.73	13.00	No
	802.11ax(HE20)(RU26)	1	2412	9.46	10.00	No
	802.11ax(HE20)(RU52)			12.01	13.00	No
	802.11ax(HE20)(RU106)			11.94	13.50	No
	802.11ax(HE20)(RU26)	2	2417	9.30	10.00	No
	802.11ax(HE20)(RU52)			12.98	13.00	No
	802.11ax(HE20)(RU106)			13.95	15.50	No
	802.11ax(HE20)(RU26)	3	2422	8.91	10.00	No
	802.11ax(HE20)(RU52)			12.16	13.00	No
	802.11ax(HE20)(RU106)			15.58	16.00	No
	802.11ax(HE20)(RU26)	4	2427	8.67	10.00	No
	802.11ax(HE20)(RU52)			11.98	13.00	No
	802.11ax(HE20)(RU106)			15.28	16.00	No
	802.11ax(HE20)(RU26)	5	2432	8.56	10.00	No
	802.11ax(HE20)(RU52)			11.79	13.00	No
	802.11ax(HE20)(RU106)			15.40	16.00	No
	802.11ax(HE20)(RU26)	6	2437	8.63	10.00	No
	802.11ax(HE20)(RU52)			11.89	13.00	No
	802.11ax(HE20)(RU106)			15.42	16.00	No
	802.11ax(HE20)(RU26)	10	2457	9.65	10.00	No
	802.11ax(HE20)(RU52)			12.97	13.00	No

	802.11ax(HE20)(RU106)			15.15	16.00	No
	802.11ax(HE20)(RU26)	11	2462	8.73	10.00	No
	802.11ax(HE20)(RU52)			12.17	13.00	No
	802.11ax(HE20)(RU106)			13.23	15.00	No
	802.11ax(HE40)(RU26)	3	2422	8.93	10.00	No
	802.11ax(HE40)(RU52)			12.12	13.00	No
	802.11ax(HE40)(RU106)			13.91	15.50	No
	802.11ax(HE40)(RU242)			13.67	15.50	No
	802.11ax(HE40)(RU26)	4	2427	8.56	10.00	No
	802.11ax(HE40)(RU52)			11.73	13.00	No
	802.11ax(HE40)(RU106)			14.67	16.00	No
	802.11ax(HE40)(RU242)			14.23	16.00	No
	802.11ax(HE40)(RU26)	5	2432	8.50	10.00	No
	802.11ax(HE40)(RU52)			11.80	13.00	No
	802.11ax(HE40)(RU106)			14.85	16.00	No
	802.11ax(HE40)(RU242)			14.56	16.00	No
	802.11ax(HE40)(RU26)	6	2437	8.72	10.00	No
	802.11ax(HE40)(RU52)			11.98	13.00	No
	802.11ax(HE40)(RU106)			14.84	16.00	No
	802.11ax(HE40)(RU242)			14.66	16.00	No
	802.11ax(HE40)(RU26)	7	2442	9.50	10.00	No
	802.11ax(HE40)(RU52)			12.80	13.00	No
	802.11ax(HE40)(RU106)			14.77	16.00	No
	802.11ax(HE40)(RU242)			14.75	16.00	No
	802.11ax(HE40)(RU26)	8	2447	9.87	10.00	No
	802.11ax(HE40)(RU52)			12.75	13.00	No
	802.11ax(HE40)(RU106)			13.23	15.00	No
	802.11ax(HE40)(RU242)			13.11	15.00	No
	802.11ax(HE40)(RU26)	9	2452	9.57	10.00	No
	802.11ax(HE40)(RU52)			12.98	13.00	No
	802.11ax(HE40)(RU106)			13.01	15.00	No
	802.11ax(HE40)(RU242)			12.95	14.50	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n) 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 VHT and 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 = $1.056 * (79.43\text{mW}/79.43\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.2 2.4G WIFI LEVEL 1 ANT 9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	14.96	15.50	No
		6	2437	15.02	15.50	Yes
		11	2462	14.81	15.50	No
	802.11g	1	2412	12.52	13.00	No
		2	2417	14.61	15.00	No
		3	2422	14.52	15.50	No
		6	2437	14.50	15.50	No
		10	2457	14.34	15.50	No
		11	2462	13.60	14.00	No
	802.11n(HT20)	1	2412	11.24	12.50	No
		2	2417	14.51	15.00	No
		3	2422	14.50	15.50	No
		6	2437	14.52	15.50	No
		9	2452	/	/	No
		10	2457	14.39	15.50	No
		11	2462	11.45	12.50	No
	802.11n(HT40)	3	2422	13.76	14.50	No
		4	2427	14.28	15.50	No
		5	2432	/	/	No
		6	2437	14.23	15.50	No
		7	2442	14.25	15.50	No
		8	2447	12.60	13.00	No
		9	2452	11.47	12.00	No
	VHT20	1	2412	11.34	12.50	No
		2	2417	14.56	15.00	No
		3	2422	14.63	15.50	No
		4	2427	/	/	No
		6	2437	14.49	15.50	No
		9	2452	/	/	No
		10	2457	14.45	15.50	No
		11	2462	13.07	13.50	No
	VHT40	3	2422	14.26	15.00	No
		4	2427	14.47	15.50	No

		5	2432	14.51	15.50	No
		6	2437	14.60	15.50	No
		7	2442	14.24	15.00	No
		8	2447	12.56	13.00	No
		9	2452	12.45	13.00	No
	802.11ax(HE20)	1	2412	11.44	12.50	No
		2	2417	13.76	14.00	No
		3	2422	14.56	15.50	No
		4	2427	/	/	No
		6	2437	14.65	15.50	No
		8	2447	/	/	No
		9	2452	14.80	15.50	No
		10	2457	14.85	15.00	No
		11	2462	13.21	13.50	No
	802.11ax(HE40)	3	2422	14.07	14.50	No
		4	2427	14.67	15.50	No
		5	2432	/	/	No
		6	2437	14.90	15.50	No
		7	2442	14.57	15.00	No
		8	2447	12.81	13.00	No
		9	2452	12.73	13.00	No
	802.11ax(HE20)(RU26)	1	2412	5.64	6.50	No
	802.11ax(HE20)(RU52)			8.54	9.50	No
	802.11ax(HE20)(RU106)			11.24	12.50	No
	802.11ax(HE20)(RU26)	2	2417	5.55	6.50	No
	802.11ax(HE20)(RU52)			8.34	9.50	No
	802.11ax(HE20)(RU106)			11.47	12.50	No
	802.11ax(HE20)(RU26)	3	2422	5.26	6.50	No
	802.11ax(HE20)(RU52)			8.43	9.50	No
	802.11ax(HE20)(RU106)			11.22	12.50	No
	802.11ax(HE20)(RU26)	4	2427	5.65	6.50	No
	802.11ax(HE20)(RU52)			8.47	9.50	No
	802.11ax(HE20)(RU106)			11.47	12.50	No
	802.11ax(HE20)(RU26)	5	2432	5.28	6.50	No
	802.11ax(HE20)(RU52)			8.53	9.50	No
	802.11ax(HE20)(RU106)			11.45	12.50	No
	802.11ax(HE20)(RU26)	6	2437	5.40	6.50	No
	802.11ax(HE20)(RU52)			8.65	9.50	No
	802.11ax(HE20)(RU106)			11.59	12.50	No

	802.11ax(HE20)(RU26)	10	2457	5.25	6.50	No
	802.11ax(HE20)(RU52)			8.50	9.50	No
	802.11ax(HE20)(RU106)			11.26	12.50	No
	802.11ax(HE20)(RU26)	11	2462	5.28	6.50	No
	802.11ax(HE20)(RU52)			8.41	9.50	No
	802.11ax(HE20)(RU106)			11.45	12.50	No
	802.11ax(HE40)(RU26)	3	2422	5.59	6.50	No
	802.11ax(HE40)(RU52)			8.27	9.50	No
	802.11ax(HE40)(RU106)			11.57	12.50	No
	802.11ax(HE40)(RU242)			14.52	15.50	No
	802.11ax(HE40)(RU26)	4	2427	5.65	6.50	No
	802.11ax(HE40)(RU52)			8.43	9.50	No
	802.11ax(HE40)(RU106)			11.44	12.50	No
	802.11ax(HE40)(RU242)			14.31	15.50	No
	802.11ax(HE40)(RU26)	5	2432	5.48	6.50	No
	802.11ax(HE40)(RU52)			8.54	9.50	No
	802.11ax(HE40)(RU106)			11.34	12.50	No
	802.11ax(HE40)(RU242)			14.48	15.50	No
	802.11ax(HE40)(RU26)	6	2437	5.59	6.50	No
	802.11ax(HE40)(RU52)			8.22	9.50	No
	802.11ax(HE40)(RU106)			11.58	12.50	No
	802.11ax(HE40)(RU242)			14.64	15.50	No
	802.11ax(HE40)(RU26)	7	2442	5.44	6.50	No
	802.11ax(HE40)(RU52)			8.44	9.50	No
	802.11ax(HE40)(RU106)			11.35	12.50	No
	802.11ax(HE40)(RU242)			14.51	15.50	No
	802.11ax(HE40)(RU26)	8	2447	5.25	6.50	No
	802.11ax(HE40)(RU52)			8.29	9.50	No
	802.11ax(HE40)(RU106)			11.29	12.50	No
	802.11ax(HE40)(RU242)			13.11	15.00	No
	802.11ax(HE40)(RU26)	9	2452	5.38	6.50	No
	802.11ax(HE40)(RU52)			8.40	9.50	No
	802.11ax(HE40)(RU106)			11.52	12.50	No
	802.11ax(HE40)(RU242)			12.95	14.50	No

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

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

2) When multiple transmission modes (802.11b/g/n) 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 VHT and 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 = $1.056 * (35.48\text{mW}/35.48\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.3 2.4G WIFI LEVEL 2&3 ANT 9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.11	13.00	No
		6	2437	12.18	13.00	Yes
		11	2462	11.95	13.00	No
	802.11g	1	2412	12.52	13.00	No
		2	2417	/	/	No
		3	2422	/	/	No
		6	2437	11.77	13.00	No
		10	2457	/	/	No
		11	2462	12.00	13.00	No
	802.11n(HT20)	1	2412	11.24	12.50	No
		2	2417	11.77	13.00	No
		3	2422	/	/	No
		6	2437	11.85	13.00	No
		9	2452	/	/	No
		10	2457	12.00	13.00	No
		11	2462	11.45	12.50	No
	802.11n(HT40)	3	2422	11.89	13.00	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	11.91	13.00	No
		7	2442	/	/	No
		8	2447	12.60	13.00	No
		9	2452	11.47	12.00	No
	VHT20	1	2412	11.34	12.50	No
		2	2417	11.72	13.00	No
		3	2422	/	/	No
		4	2427	/	/	No
		6	2437	11.81	13.00	No
		9	2452	/	/	No
		10	2457	/	/	No
		11	2462	11.76	13.00	No

	VHT40	3	2422	11.82	13.00	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	11.78	13.00	No
		7	2442	/	/	No
		8	2447	/	/	No
		9	2452	12.45	13.00	No
	802.11ax(HE20)	1	2412	11.44	12.50	No
		2	2417	11.76	13.00	No
		3	2422	/	/	No
		4	2427	/	/	No
		6	2437	11.85	13.00	No
		8	2447	/	/	No
		9	2452	/	/	No
		10	2457	/	/	No
		11	2462	11.81	13.00	No
		3	2422	11.85	13.00	No
	802.11ax(HE40)	4	2427	/	/	No
		5	2432	/	/	No
		6	2437	11.96	13.00	No
		7	2442	/	/	No
		8	2447	/	/	No
		9	2452	11.80	13.00	No
		3	2422	11.85	13.00	No
	802.11ax(HE20)(RU26)	1	2412	2.71	4.00	No
	802.11ax(HE20)(RU52)			5.91	7.00	No
	802.11ax(HE20)(RU106)			8.79	10.00	No
	802.11ax(HE20)(RU26)	2	2417	2.84	4.00	No
	802.11ax(HE20)(RU52)			6.02	7.00	No
	802.11ax(HE20)(RU106)			8.76	10.00	No
	802.11ax(HE20)(RU26)	3	2422	2.72	4.00	No
	802.11ax(HE20)(RU52)			5.82	7.00	No
	802.11ax(HE20)(RU106)			8.90	10.00	No
	802.11ax(HE20)(RU26)	4	2427	3.10	4.00	No
	802.11ax(HE20)(RU52)			5.86	7.00	No
	802.11ax(HE20)(RU106)			9.13	10.00	No
	802.11ax(HE20)(RU26)	5	2432	2.98	4.00	No
	802.11ax(HE20)(RU52)			6.13	7.00	No
	802.11ax(HE20)(RU106)			8.71	10.00	No
	802.11ax(HE20)(RU26)	6	2437	3.09	4.00	No

	802.11ax(HE20)(RU52)			5.92	7.00	No
	802.11ax(HE20)(RU106)			8.72	10.00	No
	802.11ax(HE20)(RU26)	10	2457	3.01	4.00	No
	802.11ax(HE20)(RU52)			6.00	7.00	No
	802.11ax(HE20)(RU106)			9.00	10.00	No
	802.11ax(HE20)(RU26)	11	2462	2.95	4.00	No
	802.11ax(HE20)(RU52)			5.84	7.00	No
	802.11ax(HE20)(RU106)			9.03	10.00	No
	802.11ax(HE40)(RU26)	3	2422	2.91	4.00	No
	802.11ax(HE40)(RU52)			5.79	7.00	No
	802.11ax(HE40)(RU106)			9.14	10.00	No
	802.11ax(HE40)(RU242)			11.85	13.00	No
	802.11ax(HE40)(RU26)	4	2427	2.95	4.00	No
	802.11ax(HE40)(RU52)			5.98	7.00	No
	802.11ax(HE40)(RU106)			8.74	10.00	No
	802.11ax(HE40)(RU242)			12.12	13.00	No
	802.11ax(HE40)(RU26)	5	2432	3.07	4.00	No
	802.11ax(HE40)(RU52)			6.03	7.00	No
	802.11ax(HE40)(RU106)			9.04	10.00	No
	802.11ax(HE40)(RU242)			11.99	13.00	No
	802.11ax(HE40)(RU26)	6	2437	2.83	4.00	No
	802.11ax(HE40)(RU52)			5.97	7.00	No
	802.11ax(HE40)(RU106)			9.00	10.00	No
	802.11ax(HE40)(RU242)			12.05	13.00	No
	802.11ax(HE40)(RU26)	7	2442	3.04	4.00	No
	802.11ax(HE40)(RU52)			5.72	7.00	No
	802.11ax(HE40)(RU106)			8.96	10.00	No
	802.11ax(HE40)(RU242)			12.14	13.00	No
	802.11ax(HE40)(RU26)	8	2447	2.76	4.00	No
	802.11ax(HE40)(RU52)			5.76	7.00	No
	802.11ax(HE40)(RU106)			8.96	10.00	No
	802.11ax(HE40)(RU242)			12.03	13.00	No
	802.11ax(HE40)(RU26)	9	2452	2.87	4.00	No
	802.11ax(HE40)(RU52)			6.11	7.00	No
	802.11ax(HE40)(RU106)			8.74	10.00	No
	802.11ax(HE40)(RU242)			12.12	13.00	No

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

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

2) When multiple transmission modes (802.11b/g/n) 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 VHT and 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 = $1.056 * (19.95\text{mW}/19.95\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.4 2.4G WIFI LEVEL 4 ANT 9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.85	19.00	No
		6	2437	18.23	19.00	Yes
		11	2462	17.92	19.00	No
	802.11g	1	2412	12.52	13.00	No
		2	2417	14.61	15.00	No
		3	2422	17.92	19.00	No
		6	2437	17.88	19.00	No
		10	2457	17.83	19.00	No
		11	2462	13.60	14.00	No
	802.11n(HT20)	1	2412	11.24	12.50	No
		2	2417	14.51	15.00	No
		3	2422	17.87	19.00	No
		6	2437	18.01	19.00	No
		9	2452	17.83	19.00	No
		10	2457	16.12	16.50	No
		11	2462	11.45	12.50	No
	802.11n(HT40)	3	2422	13.76	14.50	No
		4	2427	14.87	16.00	No
		5	2432	15.04	16.00	No
		6	2437	15.10	16.00	No
		7	2442	16.20	17.00	No
		8	2447	12.60	13.00	No
		9	2452	11.47	12.00	No
	VHT20	1	2412	11.34	12.50	No
		2	2417	14.56	15.00	No
		3	2422	16.91	18.00	No
		4	2427	17.47	19.00	No
		6	2437	17.78	19.00	No
		9	2452	18.59	19.00	No

		10	2457	16.12	16.50	No
		11	2462	13.07	13.50	No
	VHT40	3	2422	14.26	15.00	No
		4	2427	14.88	16.00	No
		5	2432	15.00	16.00	No
		6	2437	15.53	16.50	No
		7	2442	14.24	15.00	No
		8	2447	12.56	13.00	No
		9	2452	12.45	13.00	No
	802.11ax(HE20)	1	2412	11.44	12.50	No
		2	2417	13.76	14.00	No
		3	2422	16.15	17.00	No
		4	2427	17.60	19.00	No
		6	2437	17.96	19.00	No
		8	2447	18.64	19.00	No
		9	2452	16.78	17.00	No
		10	2457	14.85	15.00	No
		11	2462	13.21	13.50	No
	802.11ax(HE40)	3	2422	14.07	14.50	No
		4	2427	14.67	15.50	No
		5	2432	14.83	15.50	No
		6	2437	14.90	15.50	No
		7	2442	14.57	15.00	No
		8	2447	12.81	13.00	No
		9	2452	12.73	13.00	No
	802.11ax(HE20)(RU26)	1	2412	9.46	10.00	No
	802.11ax(HE20)(RU52)			12.01	13.00	No
	802.11ax(HE20)(RU106)			11.94	13.50	No
	802.11ax(HE20)(RU26)	2	2417	9.30	10.00	No
	802.11ax(HE20)(RU52)			12.98	13.00	No
	802.11ax(HE20)(RU106)			13.95	15.50	No
	802.11ax(HE20)(RU26)	3	2422	8.91	10.00	No
	802.11ax(HE20)(RU52)			12.16	13.00	No
	802.11ax(HE20)(RU106)			15.58	16.00	No
	802.11ax(HE20)(RU26)	4	2427	8.67	10.00	No
	802.11ax(HE20)(RU52)			11.98	13.00	No
	802.11ax(HE20)(RU106)			15.28	16.00	No
	802.11ax(HE20)(RU26)	5	2432	8.56	10.00	No
	802.11ax(HE20)(RU52)			11.79	13.00	No

	802.11ax(HE20)(RU106)			15.40	16.00	No
	802.11ax(HE20)(RU26)	6	2437	8.63	10.00	No
	802.11ax(HE20)(RU52)			11.89	13.00	No
	802.11ax(HE20)(RU106)			15.42	16.00	No
	802.11ax(HE20)(RU26)	10	2457	9.65	10.00	No
	802.11ax(HE20)(RU52)			12.97	13.00	No
	802.11ax(HE20)(RU106)			15.15	16.00	No
	802.11ax(HE20)(RU26)	11	2462	8.73	10.00	No
	802.11ax(HE20)(RU52)			12.17	13.00	No
	802.11ax(HE20)(RU106)			13.23	15.00	No
	802.11ax(HE40)(RU26)	3	2422	8.93	10.00	No
	802.11ax(HE40)(RU52)			12.12	13.00	No
	802.11ax(HE40)(RU106)			13.91	15.50	No
	802.11ax(HE40)(RU242)			13.67	15.50	No
	802.11ax(HE40)(RU26)	4	2427	8.56	10.00	No
	802.11ax(HE40)(RU52)			11.73	13.00	No
	802.11ax(HE40)(RU106)			14.67	16.00	No
	802.11ax(HE40)(RU242)			14.23	16.00	No
	802.11ax(HE40)(RU26)	5	2432	8.50	10.00	No
	802.11ax(HE40)(RU52)			11.80	13.00	No
	802.11ax(HE40)(RU106)			14.85	16.00	No
	802.11ax(HE40)(RU242)			14.56	16.00	No
	802.11ax(HE40)(RU26)	6	2437	8.72	10.00	No
	802.11ax(HE40)(RU52)			11.98	13.00	No
	802.11ax(HE40)(RU106)			14.84	16.00	No
	802.11ax(HE40)(RU242)			14.66	16.00	No
	802.11ax(HE40)(RU26)	7	2442	9.50	10.00	No
	802.11ax(HE40)(RU52)			12.80	13.00	No
	802.11ax(HE40)(RU106)			14.77	16.00	No
	802.11ax(HE40)(RU242)			14.75	16.00	No
	802.11ax(HE40)(RU26)	8	2447	9.87	10.00	No
	802.11ax(HE40)(RU52)			12.75	13.00	No
	802.11ax(HE40)(RU106)			13.23	15.00	No
	802.11ax(HE40)(RU242)			13.11	15.00	No
	802.11ax(HE40)(RU26)	9	2452	9.57	10.00	No
	802.11ax(HE40)(RU52)			12.98	13.00	No
	802.11ax(HE40)(RU106)			13.01	15.00	No
	802.11ax(HE40)(RU242)			12.95	14.50	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n) 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 VHT and 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 = $1.056 * (79.43\text{mW}/79.43\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.5 2.4G WIFI LEVEL 5&6 ANT 9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.02	17.50	No
		6	2437	17.04	17.50	Yes
		11	2462	16.85	17.50	No
	802.11g	1	2412	12.52	13.00	No
		2	2417	14.61	15.00	No
		3	2422	16.44	17.50	No
		6	2437	16.44	17.50	No
		10	2457	16.47	17.50	No
		11	2462	13.60	14.00	No
	802.11n(HT20)	1	2412	11.24	12.50	No
		2	2417	14.51	15.00	No
		3	2422	16.44	17.50	No
		6	2437	16.47	17.50	No
		9	2452	16.47	17.50	No
		10	2457	16.12	16.50	No
		11	2462	11.45	12.50	No
	802.11n(HT40)	3	2422	13.76	14.50	No
		4	2427	14.87	16.00	No
		5	2432	15.04	16.00	No
		6	2437	15.10	16.00	No
		7	2442	16.20	17.00	No
		8	2447	12.60	13.00	No
		9	2452	11.47	12.00	No
	VHT20	1	2412	11.34	12.50	No
		2	2417	14.56	15.00	No
		3	2422	16.91	18.00	No
		4	2427	16.35	17.50	No
		6	2437	16.41	17.50	No

		9	2452	16.40	17.50	No
		10	2457	16.12	16.50	No
		11	2462	13.07	13.50	No
	VHT40	3	2422	14.26	15.00	No
		4	2427	14.88	16.00	No
		5	2432	15.00	16.00	No
		6	2437	15.53	16.50	No
		7	2442	14.24	15.00	No
		8	2447	12.56	13.00	No
		9	2452	12.45	13.00	No
	802.11ax(HE20)	1	2412	11.44	12.50	No
		2	2417	13.76	14.00	No
		3	2422	16.15	17.00	No
		4	2427	16.35	17.50	No
		6	2437	16.28	17.50	No
		8	2447	16.35	17.50	No
		9	2452	16.78	17.00	No
		10	2457	14.85	15.00	No
		11	2462	13.21	13.50	No
	802.11ax(HE40)	3	2422	14.07	14.50	No
		4	2427	14.67	15.50	No
		5	2432	14.83	15.50	No
		6	2437	14.90	15.50	No
		7	2442	14.57	15.00	No
		8	2447	12.81	13.00	No
		9	2452	12.73	13.00	No
	802.11ax(HE20)(RU26)	1	2412	7.47	8.50	No
	802.11ax(HE20)(RU52)			10.55	11.50	No
	802.11ax(HE20)(RU106)			11.94	13.50	No
	802.11ax(HE20)(RU26)	2	2417	7.22	8.50	No
	802.11ax(HE20)(RU52)			10.51	11.50	No
	802.11ax(HE20)(RU106)			13.48	14.50	No
	802.11ax(HE20)(RU26)	3	2422	7.26	8.50	No
	802.11ax(HE20)(RU52)			10.37	11.50	No
	802.11ax(HE20)(RU106)			13.57	14.50	No
	802.11ax(HE20)(RU26)	4	2427	7.63	8.50	No
	802.11ax(HE20)(RU52)			10.64	11.50	No
	802.11ax(HE20)(RU106)			13.44	14.50	No
	802.11ax(HE20)(RU26)	5	2432	7.27	8.50	No

	802.11ax(HE20)(RU52)			10.62	11.50	No
	802.11ax(HE20)(RU106)			13.21	14.50	No
	802.11ax(HE20)(RU26)	6	2437	7.46	8.50	No
	802.11ax(HE20)(RU52)			10.44	11.50	No
	802.11ax(HE20)(RU106)	10	2457	13.27	14.50	No
	802.11ax(HE20)(RU26)			7.57	8.50	No
	802.11ax(HE20)(RU52)			10.35	11.50	No
	802.11ax(HE20)(RU106)	11	2462	13.49	14.50	No
	802.11ax(HE20)(RU26)			7.54	8.50	No
	802.11ax(HE20)(RU52)			10.26	11.50	No
	802.11ax(HE20)(RU106)	3	2422	13.55	14.50	No
	802.11ax(HE40)(RU26)			7.56	8.50	No
	802.11ax(HE40)(RU52)			10.38	11.50	No
	802.11ax(HE40)(RU106)			13.50	14.50	No
	802.11ax(HE40)(RU242)	4	2427	13.67	15.50	No
	802.11ax(HE40)(RU26)			7.32	8.50	No
	802.11ax(HE40)(RU52)			10.53	11.50	No
	802.11ax(HE40)(RU106)			13.37	14.50	No
	802.11ax(HE40)(RU242)	5	2432	14.23	16.00	No
	802.11ax(HE40)(RU26)			7.24	8.50	No
	802.11ax(HE40)(RU52)			10.60	11.50	No
	802.11ax(HE40)(RU106)			13.44	14.50	No
	802.11ax(HE40)(RU242)	6	2437	14.56	16.00	No
	802.11ax(HE40)(RU26)			7.36	8.50	No
	802.11ax(HE40)(RU52)			10.47	11.50	No
	802.11ax(HE40)(RU106)			13.61	14.50	No
	802.11ax(HE40)(RU242)	7	2442	14.66	16.00	No
	802.11ax(HE40)(RU26)			7.49	8.50	No
	802.11ax(HE40)(RU52)			10.30	11.50	No
	802.11ax(HE40)(RU106)			13.28	14.50	No
	802.11ax(HE40)(RU242)	8	2447	14.75	16.00	No
	802.11ax(HE40)(RU26)			7.63	8.50	No
	802.11ax(HE40)(RU52)			10.32	11.50	No
	802.11ax(HE40)(RU106)			13.60	14.50	No
	802.11ax(HE40)(RU242)	9	2452	13.11	15.00	No
	802.11ax(HE40)(RU26)			7.41	8.50	No
	802.11ax(HE40)(RU52)			10.41	11.50	No
	802.11ax(HE40)(RU106)			13.01	14.50	No
	802.11ax(HE40)(RU242)			12.95	14.50	No

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

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

2) When multiple transmission modes (802.11b/g/n) 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 VHT and 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 = $1.056 * (56.23\text{mW}/56.23\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.6 2.4G WIFI Full Power ANT 6

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.72	19.00	No
		6	2437	18.76	19.00	Yes
		11	2462	18.24	19.00	No
	802.11g	1	2412	16.96	18.00	No
		2	2417	17.89	19.00	No
		6	2437	18.47	19.00	No
		10	2457	18.54	19.00	No
		11	2462	12.68	14.50	No
	802.11n(HT20)	1	2412	15.21	16.50	No
		2	2417	16.79	18.50	No
		3	2422	16.77	18.50	No
		4	2427	15.73	17.00	No
		5	2432	17.60	18.50	No
		6	2437	18.50	19.00	No
		9	2452	17.77	19.00	No
		10	2457	15.79	17.50	No
		11	2462	11.76	13.50	No
	802.11n(HT40)	3	2422	12.42	13.50	No
		4	2427	12.01	13.50	No
		5	2432	12.31	13.50	No
		6	2437	13.76	14.50	No
		7	2442	13.62	14.50	No
		8	2447	13.14	14.00	No
		9	2452	11.01	12.50	No
	VHT20	1	2412	16.27	17.50	No
		2	2417	16.63	18.50	No

		3	2422	16.77	18.50	No
		4	2427	16.32	17.50	No
		5	2432	17.27	18.00	No
		6	2437	18.72	19.00	No
		10	2457	17.68	19.00	No
		11	2462	11.84	13.50	No
	VHT40	3	2422	12.46	13.50	No
		4	2427	13.06	14.00	No
		5	2432	12.98	14.00	No
		6	2437	14.71	15.50	No
		7	2442	14.08	15.00	No
		8	2447	13.70	14.50	No
		9	2452	11.67	13.00	No
	802.11ax(HE20)	1	2412	14.63	15.50	No
		2	2417	16.42	18.00	No
		3	2422	17.08	18.50	No
		4	2427	16.60	17.50	No
		5	2432	17.98	18.50	No
		6	2437	18.56	19.00	No
		9	2452	17.25	19.00	No
		10	2457	15.40	17.00	No
		11	2462	10.34	12.00	No
	802.11ax(HE40)	3	2422	11.14	12.50	No
		4	2427	12.34	13.50	No
		5	2432	13.31	14.00	No
		6	2437	14.41	15.00	No
		7	2442	14.54	15.00	No
		8	2447	13.86	14.50	No
		9	2452	11.91	13.00	No
	802.11ax(HE20)(RU26)	1	2412	9.08	10.00	No
	802.11ax(HE20)(RU52)			12.62	13.00	No
	802.11ax(HE20)(RU106)			14.95	16.00	No
	802.11ax(HE20)(RU26)	2	2417	8.68	10.00	No
	802.11ax(HE20)(RU52)			12.38	13.00	No
	802.11ax(HE20)(RU106)			14.99	16.00	No
	802.11ax(HE20)(RU26)	3	2422	8.35	10.00	No
	802.11ax(HE20)(RU52)			11.52	13.00	No
	802.11ax(HE20)(RU106)			14.91	16.00	No
	802.11ax(HE20)(RU26)	4	2427	8.39	10.00	No

	802.11ax(HE20)(RU52)			11.49	13.00	No
	802.11ax(HE20)(RU106)			14.86	16.00	No
	802.11ax(HE20)(RU26)	5	2432	8.84	10.00	No
	802.11ax(HE20)(RU52)			12.14	13.00	No
	802.11ax(HE20)(RU106)			15.29	16.00	No
	802.11ax(HE20)(RU26)	6	2437	9.40	10.00	No
	802.11ax(HE20)(RU52)			12.86	13.00	No
	802.11ax(HE20)(RU106)			15.76	16.00	No
	802.11ax(HE20)(RU26)	10	2457	8.42	10.00	No
	802.11ax(HE20)(RU52)			11.24	13.00	No
	802.11ax(HE20)(RU106)			14.29	16.00	No
	802.11ax(HE20)(RU26)	11	2462	9.45	10.00	No
	802.11ax(HE20)(RU52)			11.87	13.00	No
	802.11ax(HE20)(RU106)			11.45	13.00	No
	802.11ax(HE40)(RU26)	3	2422	8.40	10.00	No
	802.11ax(HE40)(RU52)			11.13	13.00	No
	802.11ax(HE40)(RU106)			11.71	13.00	No
	802.11ax(HE40)(RU242)			11.13	13.00	No
	802.11ax(HE40)(RU26)	4	2427	8.57	10.00	No
	802.11ax(HE40)(RU52)			11.65	13.00	No
	802.11ax(HE40)(RU106)			12.54	14.00	No
	802.11ax(HE40)(RU242)			12.28	14.00	No
	802.11ax(HE40)(RU26)	5	2432	8.54	10.00	No
	802.11ax(HE40)(RU52)			11.82	13.00	No
	802.11ax(HE40)(RU106)			12.93	14.50	No
	802.11ax(HE40)(RU242)			13.01	15.00	No
	802.11ax(HE40)(RU26)	6	2437	9.41	10.00	No
	802.11ax(HE40)(RU52)			12.34	13.00	No
	802.11ax(HE40)(RU106)			14.44	16.00	No
	802.11ax(HE40)(RU242)			14.54	16.00	No
	802.11ax(HE40)(RU26)	7	2442	8.01	10.00	No
	802.11ax(HE40)(RU52)			11.03	13.00	No
	802.11ax(HE40)(RU106)			12.57	14.00	No
	802.11ax(HE40)(RU242)			12.99	14.00	No
	802.11ax(HE40)(RU26)	8	2447	8.71	10.00	No
	802.11ax(HE40)(RU52)			11.71	13.00	No
	802.11ax(HE40)(RU106)			13.10	14.00	No
	802.11ax(HE40)(RU242)			12.91	14.00	No
	802.11ax(HE40)(RU26)	9	2452	9.77	10.00	No

	802.11ax(HE40)(RU52)			12.72	13.00	No
	802.11ax(HE40)(RU106)			12.51	14.00	No
	802.11ax(HE40)(RU242)			11.63	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) 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 VHT and 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 = $1.056 * (79.43\text{mW}/79.43\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.7 2.4G WIFI LEVEL 1 ANT 6

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.22	16.50	No
		6	2437	16.41	16.50	Yes
		11	2462	16.25	16.50	No
	802.11g	1	2412	16.03	16.50	No
		2	2417	/	/	No
		6	2437	16.30	16.50	No
		10	2457	/	/	No
		11	2462	16.15	16.50	No
	802.11n(HT20)	1	2412	15.21	16.50	No
		2	2417	/	/	No
		3	2422	/	/	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	16.19	16.50	No
		9	2452	/	/	No
		10	2457	/	/	No
		11	2462	16.18	16.50	No
	802.11n(HT40)	3	2422	12.42	13.50	No
		4	2427	12.01	13.50	No
		5	2432	12.31	13.50	No
		6	2437	13.76	14.50	No
		7	2442	13.62	14.50	No
		8	2447	13.14	14.00	No

		9	2452	11.01	12.50	No
	VHT20	1	2412	16.18	16.50	No
		2	2417	/	/	No
		3	2422	/	/	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	16.11	16.50	No
		10	2457	16.08	16.50	No
		11	2462	11.84	13.50	No
	VHT40	3	2422	12.46	13.50	No
		4	2427	13.06	14.00	No
		5	2432	12.98	14.00	No
		6	2437	14.71	15.50	No
		7	2442	14.08	15.00	No
		8	2447	13.70	14.50	No
		9	2452	11.67	13.00	No
	802.11ax(HE20)	1	2412	14.63	15.50	No
		2	2417	16.15	16.50	No
		3	2422	/	/	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	16.21	16.50	No
		9	2452	/	/	No
		10	2457	15.40	16.50	No
		11	2462	10.34	12.00	No
	802.11ax(HE40)	3	2422	11.14	12.50	No
		4	2427	12.34	13.50	No
		5	2432	13.31	14.00	No
		6	2437	14.41	15.00	No
		7	2442	14.54	15.00	No
		8	2447	13.86	14.50	No
		9	2452	11.91	13.00	No
	802.11ax(HE20)(RU26)	1	2412	6.49	7.50	No
	802.11ax(HE20)(RU52)			9.58	10.50	No
	802.11ax(HE20)(RU106)			12.61	13.50	No
	802.11ax(HE20)(RU26)	2	2417	6.55	7.50	No
	802.11ax(HE20)(RU52)			9.50	10.50	No
	802.11ax(HE20)(RU106)			12.35	13.50	No
	802.11ax(HE20)(RU26)	3	2422	6.21	7.50	No

	802.11ax(HE20)(RU52)			9.65	10.50	No
	802.11ax(HE20)(RU106)			12.26	13.50	No
	802.11ax(HE20)(RU26)	4	2427	6.22	7.50	No
	802.11ax(HE20)(RU52)			9.21	10.50	No
	802.11ax(HE20)(RU106)	5	2432	12.63	13.50	No
	802.11ax(HE20)(RU26)			6.46	7.50	No
	802.11ax(HE20)(RU52)			9.37	10.50	No
	802.11ax(HE20)(RU106)	6	2437	12.53	13.50	No
	802.11ax(HE20)(RU26)			6.25	7.50	No
	802.11ax(HE20)(RU52)			9.26	10.50	No
	802.11ax(HE20)(RU106)	10	2457	12.26	13.50	No
	802.11ax(HE20)(RU26)			6.31	7.50	No
	802.11ax(HE20)(RU52)			9.44	10.50	No
	802.11ax(HE20)(RU106)	11	2462	12.27	13.50	No
	802.11ax(HE20)(RU26)			6.30	7.50	No
	802.11ax(HE20)(RU52)			9.34	10.50	No
	802.11ax(HE20)(RU106)	3	2422	11.45	13.00	No
	802.11ax(HE40)(RU26)			6.49	7.50	No
	802.11ax(HE40)(RU52)			9.28	10.50	No
	802.11ax(HE40)(RU106)			11.71	13.00	No
	802.11ax(HE40)(RU242)	4	2427	11.13	13.00	No
	802.11ax(HE40)(RU26)			6.29	7.50	No
	802.11ax(HE40)(RU52)			9.30	10.50	No
	802.11ax(HE40)(RU106)			12.32	13.50	No
	802.11ax(HE40)(RU242)	5	2432	12.28	14.00	No
	802.11ax(HE40)(RU26)			6.37	7.50	No
	802.11ax(HE40)(RU52)			9.26	10.50	No
	802.11ax(HE40)(RU106)			12.23	13.50	No
	802.11ax(HE40)(RU242)	6	2437	13.01	15.00	No
	802.11ax(HE40)(RU26)			6.27	7.50	No
	802.11ax(HE40)(RU52)			9.31	10.50	No
	802.11ax(HE40)(RU106)			12.34	13.50	No
	802.11ax(HE40)(RU242)	7	2442	14.54	16.00	No
	802.11ax(HE40)(RU26)			6.47	7.50	No
	802.11ax(HE40)(RU52)			9.26	10.50	No
	802.11ax(HE40)(RU106)			12.57	13.50	No
	802.11ax(HE40)(RU242)	8	2447	12.99	14.00	No
	802.11ax(HE40)(RU26)			6.56	7.50	No
	802.11ax(HE40)(RU52)			9.28	10.50	No

	802.11ax(HE40)(RU106)			12.55	13.50	No
	802.11ax(HE40)(RU242)			12.91	14.00	No
	802.11ax(HE40)(RU26)	9	2452	6.31	7.50	No
	802.11ax(HE40)(RU52)			9.41	10.50	No
	802.11ax(HE40)(RU106)			12.35	13.50	No
	802.11ax(HE40)(RU242)			11.63	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) 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 VHT and 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 = $1.056 * (44.67\text{mW}/44.67\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.8 2.4G WIFI LEVEL 2&3 ANT 6

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.13	13.00	No
		6	2437	12.35	13.00	Yes
		11	2462	12.02	13.00	No
	802.11g	1	2412	12.48	13.00	No
		2	2417	/	/	No
		6	2437	12.33	13.00	No
		10	2457	/	/	No
		11	2462	12.55	13.00	No
	802.11n(HT20)	1	2412	12.60	13.00	No
		2	2417	/	/	No
		3	2422	/	/	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	12.45	13.00	No
		9	2452	/	/	No
		10	2457	/	/	No
		11	2462	12.42	13.00	No
	802.11n(HT40)	3	2422	12.37	13.00	No
		4	2427	/	/	No
		5	2432	/	/	No

		6	2437	12.50	13.00	No
		7	2442	/	/	No
		8	2447	12.51	13.00	No
		9	2452	11.01	12.50	No
	VHT20	1	2412	12.28	13.00	No
		2	2417	/	/	No
		3	2422	/	/	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	12.03	13.00	No
		10	2457	/	/	No
		11	2462	11.84	13.00	No
	VHT40	3	2422	12.07	13.00	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	12.02	13.00	No
		7	2442	/	/	No
		8	2447	/	/	No
		9	2452	11.67	13.00	No
	802.11ax(HE20)	1	2412	12.00	13.00	No
		2	2417	/	/	No
		3	2422	/	/	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	12.01	13.00	No
		9	2452	/	/	No
		10	2457	/	/	No
		11	2462	10.34	12.00	No
	802.11ax(HE40)	3	2422	11.14	12.50	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	12.05	13.00	No
		7	2442	/	/	No
		8	2447	/	/	No
		9	2452	11.91	13.00	No
	802.11ax(HE20)(RU26)	1	2412	2.72	4.00	No
	802.11ax(HE20)(RU52)			6.04	7.00	No
	802.11ax(HE20)(RU106)			9.05	10.00	No
	802.11ax(HE20)(RU26)	2	2417	3.06	4.00	No

	802.11ax(HE20)(RU52)			5.74	7.00	No
	802.11ax(HE20)(RU106)			8.87	10.00	No
	802.11ax(HE20)(RU26)	3	2422	2.96	4.00	No
	802.11ax(HE20)(RU52)			5.82	7.00	No
	802.11ax(HE20)(RU106)	4	2427	8.72	10.00	No
	802.11ax(HE20)(RU26)			3.15	4.00	No
	802.11ax(HE20)(RU52)	5	2432	5.83	7.00	No
	802.11ax(HE20)(RU106)			9.10	10.00	No
	802.11ax(HE20)(RU26)	6	2437	2.93	4.00	No
	802.11ax(HE20)(RU52)			5.72	7.00	No
	802.11ax(HE20)(RU106)	10	2457	8.71	10.00	No
	802.11ax(HE20)(RU26)			2.82	4.00	No
	802.11ax(HE20)(RU52)	11	2462	6.04	7.00	No
	802.11ax(HE20)(RU106)			9.03	10.00	No
	802.11ax(HE20)(RU26)	3	2422	3.03	4.00	No
	802.11ax(HE20)(RU52)			5.90	7.00	No
	802.11ax(HE20)(RU106)	4	2427	8.84	10.00	No
	802.11ax(HE20)(RU26)			3.13	4.00	No
	802.11ax(HE20)(RU52)	5	2432	5.84	7.00	No
	802.11ax(HE20)(RU106)			8.85	10.00	No
	802.11ax(HE40)(RU26)	6	2437	2.93	4.00	No
	802.11ax(HE40)(RU52)			6.01	7.00	No
	802.11ax(HE40)(RU106)	7	2442	8.85	10.00	No
	802.11ax(HE40)(RU242)			11.87	13.00	No
	802.11ax(HE40)(RU26)	4	2427	2.82	4.00	No
	802.11ax(HE40)(RU52)			6.06	7.00	No
	802.11ax(HE40)(RU106)	5	2432	8.85	10.00	No
	802.11ax(HE40)(RU242)			11.88	13.00	No
	802.11ax(HE40)(RU26)	6	2437	2.83	4.00	No
	802.11ax(HE40)(RU52)			6.02	7.00	No
	802.11ax(HE40)(RU106)	7	2442	8.81	10.00	No
	802.11ax(HE40)(RU242)			11.77	13.00	No
	802.11ax(HE40)(RU26)	6	2437	2.83	4.00	No
	802.11ax(HE40)(RU52)			6.14	7.00	No
	802.11ax(HE40)(RU106)	7	2442	9.10	10.00	No
	802.11ax(HE40)(RU242)			11.77	13.00	No
	802.11ax(HE40)(RU26)	7	2442	3.09	4.00	No
	802.11ax(HE40)(RU52)			6.00	7.00	No
	802.11ax(HE40)(RU106)			8.86	10.00	No

	802.11ax(HE40)(RU242)	8	2447	11.87	13.00	No
	802.11ax(HE40)(RU26)			2.85	4.00	No
	802.11ax(HE40)(RU52)			6.09	7.00	No
	802.11ax(HE40)(RU106)			9.05	10.00	No
	802.11ax(HE40)(RU242)			11.85	13.00	No
	802.11ax(HE40)(RU26)	9	2452	3.15	4.00	No
	802.11ax(HE40)(RU52)			5.72	7.00	No
	802.11ax(HE40)(RU106)			8.73	10.00	No
	802.11ax(HE40)(RU242)			11.79	13.00	No

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

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

2) When multiple transmission modes (802.11b/g/n) 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 VHT and 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 = $1.056 * (19.95\text{mW}/19.95\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.9 2.4G WIFI LEVEL 4 ANT 6

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.72	19.00	No
		6	2437	18.76	19.00	Yes
		11	2462	18.24	19.00	No
	802.11g	1	2412	16.96	18.00	No
		2	2417	17.89	19.00	No
		6	2437	18.47	19.00	No
		10	2457	18.54	19.00	No
		11	2462	12.68	14.50	No
	802.11n(HT20)	1	2412	15.21	16.50	No
		2	2417	16.79	18.50	No
		3	2422	16.77	18.50	No
		4	2427	15.73	17.00	No
		5	2432	17.60	18.50	No
		6	2437	18.50	19.00	No
		9	2452	17.77	19.00	No
		10	2457	15.79	17.50	No
		11	2462	11.76	13.50	No

	802.11n(HT40)	3	2422	12.42	13.50	No
		4	2427	12.01	13.50	No
		5	2432	12.31	13.50	No
		6	2437	13.76	14.50	No
		7	2442	13.62	14.50	No
		8	2447	13.14	14.00	No
		9	2452	11.01	12.50	No
	VHT20	1	2412	16.27	17.50	No
		2	2417	16.63	18.50	No
		3	2422	16.77	18.50	No
		4	2427	16.32	17.50	No
		5	2432	17.27	18.00	No
		6	2437	18.72	19.00	No
		10	2457	17.68	19.00	No
		11	2462	11.84	13.50	No
	VHT40	3	2422	12.46	13.50	No
		4	2427	13.06	14.00	No
		5	2432	12.98	14.00	No
		6	2437	14.71	15.50	No
		7	2442	14.08	15.00	No
		8	2447	13.70	14.50	No
		9	2452	11.67	13.00	No
	802.11ax(HE20)	1	2412	14.63	15.50	No
		2	2417	16.42	18.00	No
		3	2422	17.08	18.50	No
		4	2427	16.60	17.50	No
		5	2432	17.98	18.50	No
		6	2437	18.56	19.00	No
		9	2452	17.25	19.00	No
		10	2457	15.40	17.00	No
		11	2462	10.34	12.00	No
	802.11ax(HE40)	3	2422	11.14	12.50	No
		4	2427	12.34	13.50	No
		5	2432	13.31	14.00	No
		6	2437	14.41	15.00	No
		7	2442	14.54	15.00	No
		8	2447	13.86	14.50	No
		9	2452	11.91	13.00	No
	802.11ax(HE20)(RU26)	1	2412	9.08	10.00	No

	802.11ax(HE20)(RU52)			12.62	13.00	No
	802.11ax(HE20)(RU106)			14.95	16.00	No
	802.11ax(HE20)(RU26)	2	2417	8.68	10.00	No
	802.11ax(HE20)(RU52)			12.38	13.00	No
	802.11ax(HE20)(RU106)			14.99	16.00	No
	802.11ax(HE20)(RU26)	3	2422	8.35	10.00	No
	802.11ax(HE20)(RU52)			11.52	13.00	No
	802.11ax(HE20)(RU106)			14.91	16.00	No
	802.11ax(HE20)(RU26)	4	2427	8.39	10.00	No
	802.11ax(HE20)(RU52)			11.49	13.00	No
	802.11ax(HE20)(RU106)			14.86	16.00	No
	802.11ax(HE20)(RU26)	5	2432	8.84	10.00	No
	802.11ax(HE20)(RU52)			12.14	13.00	No
	802.11ax(HE20)(RU106)			15.29	16.00	No
	802.11ax(HE20)(RU26)	6	2437	9.40	10.00	No
	802.11ax(HE20)(RU52)			12.86	13.00	No
	802.11ax(HE20)(RU106)			15.76	16.00	No
	802.11ax(HE20)(RU26)	10	2457	8.42	10.00	No
	802.11ax(HE20)(RU52)			11.24	13.00	No
	802.11ax(HE20)(RU106)			14.29	16.00	No
	802.11ax(HE20)(RU26)	11	2462	9.45	10.00	No
	802.11ax(HE20)(RU52)			11.87	13.00	No
	802.11ax(HE20)(RU106)			11.45	13.00	No
	802.11ax(HE40)(RU26)	3	2422	8.40	10.00	No
	802.11ax(HE40)(RU52)			11.13	13.00	No
	802.11ax(HE40)(RU106)			11.71	13.00	No
	802.11ax(HE40)(RU242)			11.13	13.00	No
	802.11ax(HE40)(RU26)	4	2427	8.57	10.00	No
	802.11ax(HE40)(RU52)			11.65	13.00	No
	802.11ax(HE40)(RU106)			12.54	14.00	No
	802.11ax(HE40)(RU242)			12.28	14.00	No
	802.11ax(HE40)(RU26)	5	2432	8.54	10.00	No
	802.11ax(HE40)(RU52)			11.82	13.00	No
	802.11ax(HE40)(RU106)			12.93	14.50	No
	802.11ax(HE40)(RU242)			13.01	15.00	No
	802.11ax(HE40)(RU26)	6	2437	9.41	10.00	No
	802.11ax(HE40)(RU52)			12.34	13.00	No
	802.11ax(HE40)(RU106)			14.44	16.00	No
	802.11ax(HE40)(RU242)			14.54	16.00	No

	802.11ax(HE40)(RU26)	7	2442	8.01	10.00	No
	802.11ax(HE40)(RU52)			11.03	13.00	No
	802.11ax(HE40)(RU106)			12.57	14.00	No
	802.11ax(HE40)(RU242)			12.99	14.00	No
	802.11ax(HE40)(RU26)	8	2447	8.71	10.00	No
	802.11ax(HE40)(RU52)			11.71	13.00	No
	802.11ax(HE40)(RU106)			13.10	14.00	No
	802.11ax(HE40)(RU242)			12.91	14.00	No
	802.11ax(HE40)(RU26)	9	2452	9.77	10.00	No
	802.11ax(HE40)(RU52)			12.72	13.00	No
	802.11ax(HE40)(RU106)			12.51	14.00	No
	802.11ax(HE40)(RU242)			11.63	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) 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 VHT and 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 = $1.056 * (79.43\text{mW}/79.43\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.10 2.4G WIFI LEVEL 5&6 ANT 6

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.07	17.50	No
		6	2437	17.41	17.50	Yes
		11	2462	16.72	17.50	No
	802.11g	1	2412	16.96	17.50	No
		2	2417	/	/	No
		6	2437	16.81	17.50	No
		10	2457	17.04	17.50	No
		11	2462	12.68	14.50	No
	802.11n(HT20)	1	2412	15.21	16.50	No
		2	2417	16.89	17.50	No
		3	2422	16.63	17.50	No
		4	2427	15.73	17.00	No
		5	2432	16.53	17.50	No
		6	2437	16.58	17.50	No

		9	2452	/	/	No
		10	2457	15.79	17.50	No
		11	2462	11.76	13.50	No
	802.11n(HT40)	3	2422	12.42	13.50	No
		4	2427	12.01	13.50	No
		5	2432	12.31	13.50	No
		6	2437	13.76	14.50	No
		7	2442	13.62	14.50	No
		8	2447	13.14	14.00	No
		9	2452	11.01	12.50	No
	VHT20	1	2412	16.27	17.50	No
		2	2417	/	/	No
		3	2422	/	/	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	16.58	17.50	No
		10	2457	16.55	17.50	No
		11	2462	11.84	13.50	No
	VHT40	3	2422	12.46	13.50	No
		4	2427	13.06	14.00	No
		5	2432	12.98	14.00	No
		6	2437	14.71	15.50	No
		7	2442	14.08	15.00	No
		8	2447	13.70	14.50	No
		9	2452	11.67	13.00	No
	802.11ax(HE20)	1	2412	14.63	15.50	No
		2	2417	16.74	17.50	No
		3	2422	/	/	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	16.84	17.50	No
		9	2452	/	/	No
		10	2457	15.40	17.00	No
		11	2462	10.34	12.00	No
	802.11ax(HE40)	3	2422	11.14	12.50	No
		4	2427	12.34	13.50	No
		5	2432	13.31	14.00	No
		6	2437	14.41	15.00	No
		7	2442	14.54	15.00	No

		8	2447	13.86	14.50	No
		9	2452	11.91	13.00	No
	802.11ax(HE20)(RU26)	1	2412	7.24	8.50	No
	802.11ax(HE20)(RU52)			10.29	11.50	No
	802.11ax(HE20)(RU106)			13.32	14.50	No
	802.11ax(HE20)(RU26)	2	2417	7.34	8.50	No
	802.11ax(HE20)(RU52)			10.35	11.50	No
	802.11ax(HE20)(RU106)			13.30	14.50	No
	802.11ax(HE20)(RU26)	3	2422	7.60	8.50	No
	802.11ax(HE20)(RU52)			10.34	11.50	No
	802.11ax(HE20)(RU106)			13.46	14.50	No
	802.11ax(HE20)(RU26)	4	2427	7.59	8.50	No
	802.11ax(HE20)(RU52)			10.24	11.50	No
	802.11ax(HE20)(RU106)			13.58	14.50	No
	802.11ax(HE20)(RU26)	5	2432	7.58	8.50	No
	802.11ax(HE20)(RU52)			10.42	11.50	No
	802.11ax(HE20)(RU106)			13.52	14.50	No
	802.11ax(HE20)(RU26)	6	2437	7.34	8.50	No
	802.11ax(HE20)(RU52)			10.25	11.50	No
	802.11ax(HE20)(RU106)			13.42	14.50	No
	802.11ax(HE20)(RU26)	10	2457	7.30	8.50	No
	802.11ax(HE20)(RU52)			10.57	11.50	No
	802.11ax(HE20)(RU106)			13.45	14.50	No
	802.11ax(HE20)(RU26)	11	2462	7.52	8.50	No
	802.11ax(HE20)(RU52)			10.58	11.50	No
	802.11ax(HE20)(RU106)			11.45	13.00	No
	802.11ax(HE40)(RU26)	3	2422	7.61	8.50	No
	802.11ax(HE40)(RU52)			10.54	11.50	No
	802.11ax(HE40)(RU106)			11.71	13.00	No
	802.11ax(HE40)(RU242)			11.13	13.00	No
	802.11ax(HE40)(RU26)	4	2427	7.63	8.50	No
	802.11ax(HE40)(RU52)			10.47	11.50	No
	802.11ax(HE40)(RU106)			12.54	14.00	No
	802.11ax(HE40)(RU242)			12.28	14.00	No
	802.11ax(HE40)(RU26)	5	2432	7.41	8.50	No
	802.11ax(HE40)(RU52)			10.32	11.50	No
	802.11ax(HE40)(RU106)			13.56	14.50	No
	802.11ax(HE40)(RU242)			13.01	15.00	No
	802.11ax(HE40)(RU26)	6	2437	7.43	8.50	No

	802.11ax(HE40)(RU52)			10.47	11.50	No
	802.11ax(HE40)(RU106)			13.44	14.50	No
	802.11ax(HE40)(RU242)			14.54	16.00	No
	802.11ax(HE40)(RU26)	7	2442	7.42	8.50	No
	802.11ax(HE40)(RU52)			10.28	11.50	No
	802.11ax(HE40)(RU106)			12.57	14.00	No
	802.11ax(HE40)(RU242)			12.99	14.00	No
	802.11ax(HE40)(RU26)	8	2447	7.53	8.50	No
	802.11ax(HE40)(RU52)			10.43	11.50	No
	802.11ax(HE40)(RU106)			13.10	14.00	No
	802.11ax(HE40)(RU242)			12.91	14.00	No
	802.11ax(HE40)(RU26)	9	2452	7.29	8.50	No
	802.11ax(HE40)(RU52)			10.28	11.50	No
	802.11ax(HE40)(RU106)			12.51	14.00	No
	802.11ax(HE40)(RU242)			11.63	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) 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 VHT and 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 = $1.056 * (79.43\text{mW}/79.43\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.11 2.4G WIFI Full Power ANT MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	21.32	22.00	No
		6	2437	21.51	22.00	Yes
		11	2462	21.09	22.00	No
	802.11g	1	2412	14.43	16.00	No
		2	2417	16.68	18.50	No
		3	2422	21.07	22.00	No
		6	2437	21.20	22.00	No
		8	2447	21.08	22.00	No
		9	2452	17.68	19.50	No
		10	2457	14.59	16.00	No
		11	2462	14.43	16.00	No

	802.11n(HT20)	1	2412	14.32	16.00	No
		2	2417	15.71	17.50	No
		3	2422	18.81	20.50	No
		4	2427	18.94	20.50	No
		5	2432	21.06	22.00	No
		6	2437	21.20	22.00	No
		8	2447	20.21	22.00	No
		9	2452	17.67	19.50	No
		10	2457	14.55	16.50	No
		11	2462	13.33	15.00	No
	802.11n(HT40)	3	2422	14.35	16.00	No
		4	2427	14.10	16.00	No
		5	2432	15.21	16.00	No
		6	2437	15.54	16.50	No
		7	2442	14.36	16.00	No
		8	2447	13.81	15.50	No
		9	2452	14.36	16.00	No
	VHT20	1	2412	14.57	16.50	No
		2	2417	15.83	17.50	No
		3	2422	19.74	21.50	No
		4	2427	19.27	21.00	No
		5	2432	20.28	22.00	No
		6	2437	20.52	22.00	No
		8	2447	20.82	22.00	No
		9	2452	17.20	19.00	No
		10	2457	16.09	18.00	No
		11	2462	13.40	15.00	No
	VHT40	3	2422	14.07	16.00	No
		4	2427	14.93	16.50	No
		5	2432	14.95	16.50	No
		6	2437	16.86	18.50	No
		7	2442	17.19	19.00	No
		8	2447	14.63	16.50	No
		9	2452	14.55	16.50	No
	802.11ax(HE20)	1	2412	14.39	16.00	No
		2	2417	16.36	18.00	No
		3	2422	18.46	20.00	No
		4	2427	19.49	21.00	No
		5	2432	20.34	22.00	No

		6	2437	20.53	22.00	No
		8	2447	20.20	22.00	No
		9	2452	18.24	20.00	No
		10	2457	16.34	18.00	No
		11	2462	13.16	15.00	No
	802.11ax(HE40)	3	2422	13.35	15.00	No
		4	2427	14.70	16.50	No
		5	2432	15.28	17.00	No
		6	2437	15.61	17.50	No
		7	2442	14.96	16.50	No
		8	2447	14.53	16.50	No
		9	2452	13.88	15.50	No
	802.11ax(HE20)(RU26)	1	2412	11.25	13.00	No
	802.11ax(HE20)(RU52)			14.65	16.00	No
	802.11ax(HE20)(RU106)			14.88	16.50	No
	802.11ax(HE20)(RU26)	2	2417	11.10	13.00	No
	802.11ax(HE20)(RU52)			14.27	16.00	No
	802.11ax(HE20)(RU106)			16.80	18.50	No
	802.11ax(HE20)(RU26)	3	2422	11.12	13.00	No
	802.11ax(HE20)(RU52)			14.58	16.00	No
	802.11ax(HE20)(RU106)			17.30	19.00	No
	802.11ax(HE20)(RU26)	4	2427	11.78	13.00	No
	802.11ax(HE20)(RU52)			14.53	16.00	No
	802.11ax(HE20)(RU106)			17.12	19.00	No
	802.11ax(HE20)(RU26)	5	2432	11.67	13.00	No
	802.11ax(HE20)(RU52)			14.60	16.00	No
	802.11ax(HE20)(RU106)			17.47	19.00	No
	802.11ax(HE20)(RU26)	6	2437	11.38	13.00	No
	802.11ax(HE20)(RU52)			14.32	16.00	No
	802.11ax(HE20)(RU106)			17.93	19.00	No
	802.11ax(HE20)(RU26)	10	2457	11.24	13.00	No
	802.11ax(HE20)(RU52)			14.21	16.00	No
	802.11ax(HE20)(RU106)			16.39	18.00	No
	802.11ax(HE20)(RU26)	11	2462	11.03	13.00	No
	802.11ax(HE20)(RU52)			13.57	15.00	No
	802.11ax(HE20)(RU106)			13.51	15.00	No
	802.11ax(HE40)(RU26)	3	2422	11.39	13.00	No
	802.11ax(HE40)(RU52)			13.30	15.00	No
	802.11ax(HE40)(RU106)			13.27	15.00	No

	802.11ax(HE40)(RU242)			13.11	15.00	No
	802.11ax(HE40)(RU26)	4	2427	11.51	13.00	No
	802.11ax(HE40)(RU52)			14.60	16.00	No
	802.11ax(HE40)(RU106)			14.50	16.00	No
	802.11ax(HE40)(RU242)			14.34	16.00	No
	802.11ax(HE40)(RU26)	5	2432	11.41	13.00	No
	802.11ax(HE40)(RU52)			14.68	16.00	No
	802.11ax(HE40)(RU106)			15.08	17.00	No
	802.11ax(HE40)(RU242)			15.00	16.50	No
	802.11ax(HE40)(RU26)	6	2437	11.07	13.00	No
	802.11ax(HE40)(RU52)			14.25	16.00	No
	802.11ax(HE40)(RU106)			15.74	17.00	No
	802.11ax(HE40)(RU242)			15.74	17.00	No
	802.11ax(HE40)(RU26)	7	2442	11.63	13.00	No
	802.11ax(HE40)(RU52)			14.40	16.00	No
	802.11ax(HE40)(RU106)			14.64	16.00	No
	802.11ax(HE40)(RU242)			14.56	16.00	No
	802.11ax(HE40)(RU26)	8	2447	11.32	13.00	No
	802.11ax(HE40)(RU52)			14.39	16.00	No
	802.11ax(HE40)(RU106)			14.36	16.00	No
	802.11ax(HE40)(RU242)			14.13	16.00	No
	802.11ax(HE40)(RU26)	9	2452	11.47	13.00	No
	802.11ax(HE40)(RU52)			14.07	16.00	No
	802.11ax(HE40)(RU106)			13.93	15.50	No
	802.11ax(HE40)(RU242)			13.55	15.50	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) 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 VHT and 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 = $1.056 * (158.49\text{mW}/158.49\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.12 2.4G WIFI LEVEL 1 ANT MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.71	18.50	Yes
		6	2437	17.73	18.50	Yes
		11	2462	17.23	18.50	Yes
	802.11g	1	2412	14.43	16.00	No
		2	2417	16.68	18.50	No
		3	2422	/	/	No
		6	2437	17.43	18.50	No
		8	2447	/	/	No
		9	2452	17.25	18.50	No
		10	2457	14.59	16.00	No
		11	2462	14.43	16.00	No
	802.11n(HT20)	1	2412	14.32	16.00	No
		2	2417	15.71	17.50	No
		3	2422	17.51	18.50	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	17.53	18.50	No
		8	2447	/	/	No
		9	2452	17.48	18.50	No
		10	2457	14.55	16.50	No
		11	2462	13.33	15.00	No
	802.11n(HT40)	3	2422	14.35	16.00	No
		4	2427	14.10	16.00	No
		5	2432	15.21	16.00	No
		6	2437	15.54	16.50	No
		7	2442	14.36	16.00	No
		8	2447	13.81	15.50	No
		9	2452	14.36	16.00	No
	VHT20	1	2412	14.57	16.50	No
		2	2417	15.83	17.50	No
		3	2422	17.52	18.50	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	17.63	18.50	No
		8	2447	/	/	No
		9	2452	17.20	18.50	No

		10	2457	16.09	18.00	No
		11	2462	13.40	15.00	No
	VHT40	3	2422	14.07	16.00	No
		4	2427	14.93	16.50	No
		5	2432	14.95	16.50	No
		6	2437	16.86	18.50	No
		7	2442	17.19	18.50	No
		8	2447	14.63	16.50	No
		9	2452	14.55	16.50	No
	802.11ax(HE20)	1	2412	14.39	16.00	No
		2	2417	16.36	18.00	No
		3	2422	17.60	18.50	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	17.59	18.50	No
		8	2447	/	/	No
		9	2452	17.38	18.50	No
		10	2457	16.34	18.00	No
		11	2462	13.16	15.00	No
	802.11ax(HE40)	3	2422	13.35	15.00	No
		4	2427	14.70	16.50	No
		5	2432	15.28	17.00	No
		6	2437	15.61	17.50	No
		7	2442	14.96	16.50	No
		8	2447	14.53	16.50	No
		9	2452	13.88	15.50	No
	802.11ax(HE20)(RU26)	1	2412	8.43	9.50	No
	802.11ax(HE20)(RU52)			11.42	12.50	No
	802.11ax(HE20)(RU106)			14.61	15.50	No
	802.11ax(HE20)(RU26)	2	2417	8.26	9.50	No
	802.11ax(HE20)(RU52)			11.31	12.50	No
	802.11ax(HE20)(RU106)			14.56	15.50	No
	802.11ax(HE20)(RU26)	3	2422	8.45	9.50	No
	802.11ax(HE20)(RU52)			11.29	12.50	No
	802.11ax(HE20)(RU106)			14.53	15.50	No
	802.11ax(HE20)(RU26)	4	2427	8.64	9.50	No
	802.11ax(HE20)(RU52)			11.60	12.50	No
	802.11ax(HE20)(RU106)			14.54	15.50	No
	802.11ax(HE20)(RU26)	5	2432	8.56	9.50	No

	802.11ax(HE20)(RU52)			11.42	12.50	No
	802.11ax(HE20)(RU106)			14.40	15.50	No
	802.11ax(HE20)(RU26)	6	2437	8.35	9.50	No
	802.11ax(HE20)(RU52)			11.37	12.50	No
	802.11ax(HE20)(RU106)			14.52	15.50	No
	802.11ax(HE20)(RU26)	10	2457	8.33	9.50	No
	802.11ax(HE20)(RU52)			11.36	12.50	No
	802.11ax(HE20)(RU106)			14.32	15.50	No
	802.11ax(HE20)(RU26)	11	2462	8.30	9.50	No
	802.11ax(HE20)(RU52)			11.47	12.50	No
	802.11ax(HE20)(RU106)			13.51	15.00	No
	802.11ax(HE40)(RU26)	3	2422	8.36	9.50	No
	802.11ax(HE40)(RU52)			11.34	12.50	No
	802.11ax(HE40)(RU106)			13.27	15.00	No
	802.11ax(HE40)(RU242)			13.11	15.00	No
	802.11ax(HE40)(RU26)	4	2427	8.40	9.50	No
	802.11ax(HE40)(RU52)			11.58	12.50	No
	802.11ax(HE40)(RU106)			14.49	15.50	No
	802.11ax(HE40)(RU242)			14.34	16.00	No
	802.11ax(HE40)(RU26)	5	2432	8.22	9.50	No
	802.11ax(HE40)(RU52)			11.30	12.50	No
	802.11ax(HE40)(RU106)			14.21	15.50	No
	802.11ax(HE40)(RU242)			15.00	16.50	No
	802.11ax(HE40)(RU26)	6	2437	8.46	9.50	No
	802.11ax(HE40)(RU52)			11.21	12.50	No
	802.11ax(HE40)(RU106)			14.36	15.50	No
	802.11ax(HE40)(RU242)			15.74	17.00	No
	802.11ax(HE40)(RU26)	7	2442	8.42	9.50	No
	802.11ax(HE40)(RU52)			11.48	12.50	No
	802.11ax(HE40)(RU106)			14.35	15.50	No
	802.11ax(HE40)(RU242)			14.56	16.00	No
	802.11ax(HE40)(RU26)	8	2447	8.37	9.50	No
	802.11ax(HE40)(RU52)			11.36	12.50	No
	802.11ax(HE40)(RU106)			14.27	15.50	No
	802.11ax(HE40)(RU242)			14.13	16.00	No
	802.11ax(HE40)(RU26)	9	2452	8.37	9.50	No
	802.11ax(HE40)(RU52)			11.40	12.50	No
	802.11ax(HE40)(RU106)			14.50	15.50	No
	802.11ax(HE40)(RU242)			13.55	15.50	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) 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 VHT and 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 = $1.056 * (70.79\text{mW}/70.79\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.13 2.4G WIFI LEVEL 2&3 ANT MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.13	16.00	No
		6	2437	15.28	16.00	Yes
		11	2462	15.00	16.00	No
	802.11g	1	2412	14.43	16.00	No
		2	2417	/	/	No
		3	2422	/	/	No
		6	2437	15.01	16.00	No
		8	2447	/	/	No
		9	2452	/	/	No
		10	2457	/	/	No
		11	2462	14.43	16.00	No
	802.11n(HT20)	1	2412	15.10	16.00	No
		2	2417	/	/	No
		3	2422	/	/	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	15.08	16.00	No
		8	2447	/	/	No
		9	2452	/	/	No
		10	2457	14.55	16.00	No
		11	2462	13.33	15.00	No
	802.11n(HT40)	3	2422	14.35	16.00	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	15.05	16.00	No
		7	2442	/	/	No

		8	2447	/	/	No
		9	2452	14.36	16.00	No
	VHT20	1	2412	14.72	16.00	No
		2	2417	/	/	No
		3	2422	/	/	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	14.85	16.00	No
		8	2447	/	/	No
		9	2452	/	/	No
		10	2457	14.92	16.00	No
		11	2462	13.40	15.00	No
	VHT40	3	2422	14.07	16.00	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	14.88	16.00	No
		7	2442	/	/	No
		8	2447	/	/	No
		9	2452	14.55	16.00	No
	802.11ax(HE20)	1	2412	15.12	16.00	No
		2	2417	/	/	No
		3	2422	/	/	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	14.95	16.00	No
		8	2447	/	/	No
		9	2452	/	/	No
		10	2457	15.01	16.00	No
		11	2462	13.16	15.00	No
	802.11ax(HE40)	3	2422	13.35	15.00	No
		4	2427	14.70	16.00	No
		5	2432	/	/	No
		6	2437	15.03	16.00	No
		7	2442	/	/	No
		8	2447	14.53	16.00	No
		9	2452	13.88	15.50	No
	802.11ax(HE20)(RU26)	1	2412	6.02	7.00	No
	802.11ax(HE20)(RU52)			8.83	10.00	No
	802.11ax(HE20)(RU106)			11.86	13.00	No

802.11ax(HE20)(RU26)	2	2417	5.87	7.00	No
			8.88	10.00	No
			11.83	13.00	No
802.11ax(HE20)(RU26)	3	2422	5.92	7.00	No
802.11ax(HE20)(RU52)			9.13	10.00	No
802.11ax(HE20)(RU106)			12.11	13.00	No
802.11ax(HE20)(RU26)	4	2427	6.10	7.00	No
802.11ax(HE20)(RU52)			9.15	10.00	No
802.11ax(HE20)(RU106)			12.06	13.00	No
802.11ax(HE20)(RU26)	5	2432	5.93	7.00	No
802.11ax(HE20)(RU52)			9.14	10.00	No
802.11ax(HE20)(RU106)			11.89	13.00	No
802.11ax(HE20)(RU26)	6	2437	5.79	7.00	No
802.11ax(HE20)(RU52)			8.90	10.00	No
802.11ax(HE20)(RU106)			11.94	13.00	No
802.11ax(HE20)(RU26)	10	2457	5.92	7.00	No
802.11ax(HE20)(RU52)			8.73	10.00	No
802.11ax(HE20)(RU106)			12.03	13.00	No
802.11ax(HE20)(RU26)	11	2462	6.00	7.00	No
802.11ax(HE20)(RU52)			8.82	10.00	No
802.11ax(HE20)(RU106)			12.12	13.00	No
802.11ax(HE40)(RU26)	3	2422	5.77	7.00	No
802.11ax(HE40)(RU52)			8.99	10.00	No
802.11ax(HE40)(RU106)			12.10	13.00	No
802.11ax(HE40)(RU242)			13.11	15.00	No
802.11ax(HE40)(RU26)	4	2427	5.89	7.00	No
802.11ax(HE40)(RU52)			9.14	10.00	No
802.11ax(HE40)(RU106)			11.76	13.00	No
802.11ax(HE40)(RU242)			15.08	16.00	No
802.11ax(HE40)(RU26)	5	2432	5.84	7.00	No
802.11ax(HE40)(RU52)			9.07	10.00	No
802.11ax(HE40)(RU106)			11.98	13.00	No
802.11ax(HE40)(RU242)			15.13	16.00	No
802.11ax(HE40)(RU26)	6	2437	5.99	7.00	No
802.11ax(HE40)(RU52)			8.71	10.00	No
802.11ax(HE40)(RU106)			11.98	13.00	No
802.11ax(HE40)(RU242)			14.83	16.00	No
802.11ax(HE40)(RU26)	7	2442	5.81	7.00	No
802.11ax(HE40)(RU52)			8.82	10.00	No

	802.11ax(HE40)(RU106)			11.75	13.00	No
	802.11ax(HE40)(RU242)			14.73	16.00	No
	802.11ax(HE40)(RU26)	8	2447	5.93	7.00	No
	802.11ax(HE40)(RU52)			9.12	10.00	No
	802.11ax(HE40)(RU106)			11.93	13.00	No
	802.11ax(HE40)(RU242)			14.97	16.00	No
	802.11ax(HE40)(RU26)	9	2452	5.74	7.00	No
	802.11ax(HE40)(RU52)			8.87	10.00	No
	802.11ax(HE40)(RU106)			12.07	13.00	No
	802.11ax(HE40)(RU242)			13.55	15.50	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) 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 VHT and 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 = $1.056 * (39.81\text{mW}/39.81\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.14 2.4G WIFI LEVEL 4 ANT MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	21.32	22.00	No
		6	2437	21.51	22.00	Yes
		11	2462	21.09	22.00	No
	802.11g	1	2412	14.43	16.00	No
		2	2417	16.68	18.50	No
		3	2422	21.07	22.00	No
		6	2437	21.20	22.00	No
		8	2447	21.08	22.00	No
		9	2452	17.68	19.50	No
		10	2457	14.59	16.00	No
		11	2462	14.43	16.00	No
	802.11n(HT20)	1	2412	14.32	16.00	No
		2	2417	15.71	17.50	No
		3	2422	18.81	20.50	No
		4	2427	18.94	20.50	No
		5	2432	21.06	22.00	No

		6	2437	21.20	22.00	No
		8	2447	20.21	22.00	No
		9	2452	17.67	19.50	No
		10	2457	14.55	16.50	No
		11	2462	13.33	15.00	No
	802.11n(HT40)	3	2422	14.35	16.00	No
		4	2427	14.10	16.00	No
		5	2432	15.21	16.00	No
		6	2437	15.54	16.50	No
		7	2442	14.36	16.00	No
		8	2447	13.81	15.50	No
		9	2452	14.36	16.00	No
	VHT20	1	2412	14.57	16.50	No
		2	2417	15.83	17.50	No
		3	2422	19.74	21.50	No
		4	2427	19.27	21.00	No
		5	2432	20.28	22.00	No
		6	2437	20.52	22.00	No
		8	2447	20.82	22.00	No
		9	2452	17.20	19.00	No
		10	2457	16.09	18.00	No
		11	2462	13.40	15.00	No
	VHT40	3	2422	14.07	16.00	No
		4	2427	14.93	16.50	No
		5	2432	14.95	16.50	No
		6	2437	16.86	18.50	No
		7	2442	17.19	19.00	No
		8	2447	14.63	16.50	No
		9	2452	14.55	16.50	No
	802.11ax(HE20)	1	2412	14.39	16.00	No
		2	2417	16.36	18.00	No
		3	2422	18.46	20.00	No
		4	2427	19.49	21.00	No
		5	2432	20.34	22.00	No
		6	2437	20.53	22.00	No
		8	2447	20.20	22.00	No
		9	2452	18.24	20.00	No
		10	2457	16.34	18.00	No
		11	2462	13.16	15.00	No

	802.11ax(HE40)	3	2422	13.35	15.00	No
		4	2427	14.70	16.50	No
		5	2432	15.28	17.00	No
		6	2437	15.61	17.50	No
		7	2442	14.96	16.50	No
		8	2447	14.53	16.50	No
		9	2452	13.88	15.50	No
	802.11ax(HE20)(RU26)	1	2412	11.25	13.00	No
	802.11ax(HE20)(RU52)			14.65	16.00	No
	802.11ax(HE20)(RU106)			14.88	16.50	No
	802.11ax(HE20)(RU26)	2	2417	11.10	13.00	No
	802.11ax(HE20)(RU52)			14.27	16.00	No
	802.11ax(HE20)(RU106)			16.80	18.50	No
	802.11ax(HE20)(RU26)	3	2422	11.12	13.00	No
	802.11ax(HE20)(RU52)			14.58	16.00	No
	802.11ax(HE20)(RU106)			17.30	19.00	No
	802.11ax(HE20)(RU26)	4	2427	11.78	13.00	No
	802.11ax(HE20)(RU52)			14.53	16.00	No
	802.11ax(HE20)(RU106)			17.12	19.00	No
	802.11ax(HE20)(RU26)	5	2432	11.67	13.00	No
	802.11ax(HE20)(RU52)			14.60	16.00	No
	802.11ax(HE20)(RU106)			17.47	19.00	No
	802.11ax(HE20)(RU26)	6	2437	11.38	13.00	No
	802.11ax(HE20)(RU52)			14.32	16.00	No
	802.11ax(HE20)(RU106)			17.93	19.00	No
	802.11ax(HE20)(RU26)	10	2457	11.24	13.00	No
	802.11ax(HE20)(RU52)			14.21	16.00	No
	802.11ax(HE20)(RU106)			16.39	18.00	No
	802.11ax(HE20)(RU26)	11	2462	11.03	13.00	No
	802.11ax(HE20)(RU52)			13.57	15.00	No
	802.11ax(HE20)(RU106)			13.51	15.00	No
	802.11ax(HE40)(RU26)	3	2422	11.39	13.00	No
	802.11ax(HE40)(RU52)			13.30	15.00	No
	802.11ax(HE40)(RU106)			13.27	15.00	No
	802.11ax(HE40)(RU242)			13.11	15.00	No
	802.11ax(HE40)(RU26)	4	2427	11.51	13.00	No
	802.11ax(HE40)(RU52)			14.60	16.00	No
	802.11ax(HE40)(RU106)			14.50	16.00	No
	802.11ax(HE40)(RU242)			14.34	16.00	No

	802.11ax(HE40)(RU26)	5	2432	11.41	13.00	No
	802.11ax(HE40)(RU52)			14.68	16.00	No
	802.11ax(HE40)(RU106)			15.08	17.00	No
	802.11ax(HE40)(RU242)			15.00	16.50	No
	802.11ax(HE40)(RU26)	6	2437	11.07	13.00	No
	802.11ax(HE40)(RU52)			14.25	16.00	No
	802.11ax(HE40)(RU106)			15.74	17.00	No
	802.11ax(HE40)(RU242)			15.74	17.00	No
	802.11ax(HE40)(RU26)	7	2442	11.63	13.00	No
	802.11ax(HE40)(RU52)			14.40	16.00	No
	802.11ax(HE40)(RU106)			14.64	16.00	No
	802.11ax(HE40)(RU242)			14.56	16.00	No
	802.11ax(HE40)(RU26)	8	2447	11.32	13.00	No
	802.11ax(HE40)(RU52)			14.39	16.00	No
	802.11ax(HE40)(RU106)			14.36	16.00	No
	802.11ax(HE40)(RU242)			14.13	16.00	No
	802.11ax(HE40)(RU26)	9	2452	11.47	13.00	No
	802.11ax(HE40)(RU52)			14.07	16.00	No
	802.11ax(HE40)(RU106)			13.93	15.50	No
	802.11ax(HE40)(RU242)			13.55	15.50	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) 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 VHT and 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 = $1.056 * (158.49\text{mW}/158.49\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.15 2.4G WIFI LEVEL 5&6 ANT MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	20.06	20.50	No
		6	2437	20.24	20.50	Yes
		11	2462	19.80	20.50	No
	802.11g	1	2412	14.43	16.00	No
		2	2417	16.68	18.50	No
		3	2422	19.53	20.50	No

		6	2437	19.64	20.50	No
		8	2447	19.51	20.50	No
		9	2452	17.68	19.50	No
		10	2457	14.59	16.00	No
		11	2462	14.43	16.00	No
	802.11n(HT20)	1	2412	14.32	16.00	No
		2	2417	15.71	17.50	No
		3	2422	18.81	20.50	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	19.72	20.50	No
		8	2447	19.48	20.50	No
		9	2452	17.67	19.50	No
		10	2457	14.55	16.50	No
		11	2462	13.33	15.00	No
	802.11n(HT40)	3	2422	14.35	16.00	No
		4	2427	14.10	16.00	No
		5	2432	15.21	16.00	No
		6	2437	15.54	16.50	No
		7	2442	14.36	16.00	No
		8	2447	13.81	15.50	No
		9	2452	14.36	16.00	No
	VHT20	1	2412	14.57	16.50	No
		2	2417	15.83	17.50	No
		3	2422	19.51	20.50	No
		4	2427	/	/	No
		5	2432	/	/	No
		6	2437	19.58	20.50	No
		8	2447	19.60	20.50	No
		9	2452	17.20	19.00	No
		10	2457	16.09	18.00	No
		11	2462	13.40	15.00	No
	VHT40	3	2422	14.07	16.00	No
		4	2427	14.93	16.50	No
		5	2432	14.95	16.50	No
		6	2437	16.86	18.50	No
		7	2442	17.19	19.00	No
		8	2447	14.63	16.50	No
		9	2452	14.55	16.50	No

	802.11ax(HE20)	1	2412	14.39	16.00	No
		2	2417	16.36	18.00	No
		3	2422	19.72	20.00	No
		4	2427	19.72	20.50	No
		5	2432	19.28	20.50	No
		6	2437	19.35	20.50	No
		8	2447	19.25	20.50	No
		9	2452	19.72	20.00	No
		10	2457	16.34	18.00	No
		11	2462	13.16	15.00	No
	802.11ax(HE40)	3	2422	13.35	15.00	No
		4	2427	14.70	16.50	No
		5	2432	15.28	17.00	No
		6	2437	15.61	17.50	No
		7	2442	14.96	16.50	No
		8	2447	14.53	16.50	No
		9	2452	13.88	15.50	No
	802.11ax(HE20)(RU26)	1	2412	10.61	11.50	No
	802.11ax(HE20)(RU52)			13.37	14.50	No
	802.11ax(HE20)(RU106)			14.88	16.50	No
	802.11ax(HE20)(RU26)	2	2417	10.63	11.50	No
	802.11ax(HE20)(RU52)			13.37	14.50	No
	802.11ax(HE20)(RU106)			16.65	17.50	No
	802.11ax(HE20)(RU26)	3	2422	10.38	11.50	No
	802.11ax(HE20)(RU52)			13.33	14.50	No
	802.11ax(HE20)(RU106)			16.31	17.50	No
	802.11ax(HE20)(RU26)	4	2427	10.42	11.50	No
	802.11ax(HE20)(RU52)			13.31	14.50	No
	802.11ax(HE20)(RU106)			16.59	17.50	No
	802.11ax(HE20)(RU26)	5	2432	10.46	11.50	No
	802.11ax(HE20)(RU52)			13.39	14.50	No
	802.11ax(HE20)(RU106)			16.29	17.50	No
	802.11ax(HE20)(RU26)	6	2437	10.25	11.50	No
	802.11ax(HE20)(RU52)			13.45	14.50	No
	802.11ax(HE20)(RU106)			16.31	17.50	No
	802.11ax(HE20)(RU26)	10	2457	10.48	11.50	No
	802.11ax(HE20)(RU52)			13.40	14.50	No
	802.11ax(HE20)(RU106)			16.50	17.50	No
	802.11ax(HE20)(RU26)	11	2462	10.28	11.50	No

	802.11ax(HE20)(RU52)			13.53	14.50	No
	802.11ax(HE20)(RU106)			13.51	15.00	No
	802.11ax(HE40)(RU26)	3	2422	10.63	11.50	No
	802.11ax(HE40)(RU52)			13.57	14.50	No
	802.11ax(HE40)(RU106)			13.27	15.00	No
	802.11ax(HE40)(RU242)			13.11	15.00	No
	802.11ax(HE40)(RU26)			10.43	11.50	No
	802.11ax(HE40)(RU52)			13.37	14.50	No
	802.11ax(HE40)(RU106)	4	2427	14.50	16.00	No
	802.11ax(HE40)(RU242)			14.34	16.00	No
	802.11ax(HE40)(RU26)			10.36	11.50	No
	802.11ax(HE40)(RU52)			13.23	14.50	No
	802.11ax(HE40)(RU106)	5	2432	15.08	17.00	No
	802.11ax(HE40)(RU242)			15.00	16.50	No
	802.11ax(HE40)(RU26)			10.35	11.50	No
	802.11ax(HE40)(RU52)			13.49	14.50	No
	802.11ax(HE40)(RU106)	6	2437	15.74	17.00	No
	802.11ax(HE40)(RU242)			15.74	17.00	No
	802.11ax(HE40)(RU26)			10.63	11.50	No
	802.11ax(HE40)(RU52)			13.39	14.50	No
	802.11ax(HE40)(RU106)	7	2442	14.64	16.00	No
	802.11ax(HE40)(RU242)			14.56	16.00	No
	802.11ax(HE40)(RU26)			10.24	11.50	No
	802.11ax(HE40)(RU52)			13.43	14.50	No
	802.11ax(HE40)(RU106)	8	2447	14.36	16.00	No
	802.11ax(HE40)(RU242)			14.13	16.00	No
	802.11ax(HE40)(RU26)			10.44	11.50	No
	802.11ax(HE40)(RU52)			13.55	14.50	No
	802.11ax(HE40)(RU106)	9	2452	13.93	15.50	No
	802.11ax(HE40)(RU242)			13.55	15.50	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) 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 VHT and 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 = $1.056 * (112.20\text{mW}/112.20\text{mW}) = 1.056$ W/Kg, so 2.4G OFDM SAR test is not required.

8.6.16 5G WIFI Full Power ANT 11

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.21	15.00	No
		44	5220	14.15	15.00	No
		48	5240	14.22	15.00	No
	802.11n(HT20)	36	5180	14.67	15.00	No
		44	5220	14.57	15.00	No
		48	5240	14.51	15.00	No
	802.11n(HT40)	38	5190	14.62	15.00	No
		46	5230	14.59	15.00	No
	802.11ac(VHT20)	36	5180	14.51	15.00	No
		44	5220	14.70	15.00	No
		48	5240	14.72	15.00	No
	802.11ac(VHT40)	38	5190	14.65	15.00	No
		46	5230	14.74	15.00	No
	802.11ac(VHT80)	42	5210	14.84	15.00	Yes
	802.11ax(HE20)	36	5180	14.41	15.00	No
		44	5220	14.70	15.00	No
		48	5240	14.64	15.00	No
	802.11ax(HE40)	38	5190	14.54	15.00	No
		46	5230	14.65	15.00	No
	802.11ax(HE80)	42	5210	14.84	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.23	15.00	No
		60	5300	14.29	15.00	No
		64	5320	14.12	15.00	No
	802.11n(HT20)	52	5260	14.22	15.00	No
		60	5300	14.14	15.00	No
		64	5320	14.25	15.00	No
	802.11n(HT40)	54	5270	14.21	15.00	No
		62	5310	14.09	15.00	No
	802.11ac(VHT20)	52	5260	14.15	15.00	No
		60	5300	14.19	15.00	No
		64	5320	14.07	15.00	No
	802.11ac(VHT40)	54	5270	14.19	15.00	No
		62	5310	14.25	15.00	No
	802.11ac(VHT80)	58	5290	14.39	15.00	Yes
	802.11ax(HE20)	52	5260	14.03	15.00	No
		60	5300	14.08	15.00	No

		64	5320	13.91	15.00	No
	802.11ax(HE40)	54	5270	14.13	15.00	No
		62	5310	14.09	15.00	No
	802.11ax(HE80)	58	5290	14.35	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.76	15.00	No
		116	5580	14.42	15.00	No
		140	5700	14.21	15.00	No
	802.11n(HT20)	100	5500	14.43	15.00	No
		116	5580	14.52	15.00	No
		140	5700	14.28	15.00	No
	802.11n(HT40)	102	5510	14.31	15.00	No
		118	5590	14.44	15.00	No
		134	5670	14.49	15.00	No
	802.11ac(VHT20)	100	5500	14.32	15.00	No
		116	5580	14.39	15.00	No
		140	5700	14.38	15.00	No
	802.11ac(VHT40)	102	5510	14.45	15.00	No
		118	5590	14.38	15.00	No
		134	5670	14.27	15.00	No
	802.11ac(VHT80)	106	5530	14.28	15.00	No
		122	5690	14.64	15.00	Yes
	802.11ax(HE20)	100	5500	14.18	15.00	No
		116	5580	14.31	15.00	No
		140	5700	14.22	15.00	No
	802.11ax(HE40)	102	5510	14.35	15.00	No
		118	5590	14.22	15.00	No
		134	5670	14.23	15.00	No
	802.11ax(HE80)	106	5530	14.24	15.00	No
		122	5610	14.47	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	18.41	19.50	No
		157	5785	18.42	19.50	No
		165	5825	18.42	19.50	No
	802.11n(HT20)	149	5745	18.54	19.50	No
		157	5785	18.49	19.50	No
		165	5825	18.25	19.50	No
	802.11n(HT40)	151	5755	18.52	19.50	Yes
		159	5795	18.38	19.50	No
	802.11ac(VHT20)	149	5745	18.28	19.50	No
		157	5785	18.34	19.50	No

		165	5825	18.55	19.50	No
	802.11ac(VHT40)	151	5755	18.33	19.50	No
		159	5795	18.27	19.50	No
	802.11ac(VHT80)	155	5775	17.45	18.50	No
	802.11ax(HE20)	149	5745	18.16	19.50	No
		157	5785	18.27	19.50	No
		165	5825	18.47	19.50	No
	802.11ax(HE40)	151	5755	18.14	19.50	No
		159	5795	18.08	19.50	No
	802.11ax(HE80)	155	5775	17.27	18.50	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	9.35	10.50	No
	802.11ax(HE20)(RU52)			12.71	13.50	No
	802.11ax(HE20)(RU106)			14.18	15.00	No
	802.11ax(HE20)(RU26)	44	5220	9.00	10.50	No
	802.11ax(HE20)(RU52)			12.61	13.50	No
	802.11ax(HE20)(RU106)			13.56	15.00	No
	802.11ax(HE20)(RU26)	48	5240	9.75	10.50	No
	802.11ax(HE20)(RU52)			12.70	13.50	No
	802.11ax(HE20)(RU106)			14.19	15.00	No
	802.11ax(HE40)(RU26)	38	5190	9.92	10.50	No
	802.11ax(HE40)(RU52)			12.87	13.50	No
	802.11ax(HE40)(RU106)			14.27	15.00	No
	802.11ax(HE40)(RU242)			14.05	15.00	No
	802.11ax(HE40)(RU26)	46	5230	9.82	10.50	No
	802.11ax(HE40)(RU52)			12.77	13.50	No
	802.11ax(HE40)(RU106)			14.22	15.00	No
	802.11ax(HE40)(RU242)			13.97	15.00	No
	802.11ax(HE80)(RU26)	42	5210	9.86	10.50	No
	802.11ax(HE80)(RU52)			12.86	13.50	No
	802.11ax(HE80)(RU106)			14.24	15.00	No
	802.11ax(HE80)(RU242)			13.96	15.00	No
	802.11ax(HE80)(RU484)			13.71	15.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	9.41	10.50	No
	802.11ax(HE20)(RU52)			12.65	13.50	No
	802.11ax(HE20)(RU106)			14.11	15.00	No
	802.11ax(HE20)(RU26)	60	5300	8.99	10.50	No
	802.11ax(HE20)(RU52)			12.25	13.50	No
	802.11ax(HE20)(RU106)			13.74	15.00	No
	802.11ax(HE20)(RU26)	64	5320	9.40	10.50	No

	802.11ax(HE20)(RU52)			12.68	13.50	No
	802.11ax(HE20)(RU106)			14.11	15.00	No
	802.11ax(HE40)(RU26)	54	5270	9.84	10.50	No
	802.11ax(HE40)(RU52)			12.78	13.50	No
	802.11ax(HE40)(RU106)			14.30	15.00	No
	802.11ax(HE40)(RU242)			14.00	15.00	No
	802.11ax(HE40)(RU26)	62	5310	9.80	10.50	No
	802.11ax(HE40)(RU52)			12.98	13.50	No
	802.11ax(HE40)(RU106)			14.38	15.00	No
	802.11ax(HE40)(RU242)			14.11	15.00	No
	802.11ax(HE80)(RU26)	58	5290	10.08	10.50	No
	802.11ax(HE80)(RU52)			13.31	13.50	No
	802.11ax(HE80)(RU106)			14.52	15.00	No
	802.11ax(HE80)(RU242)			14.24	15.00	No
	802.11ax(HE80)(RU484)			13.96	15.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	10.31	10.50	No
	802.11ax(HE20)(RU52)			13.01	13.50	No
	802.11ax(HE20)(RU106)			14.67	15.00	No
	802.11ax(HE20)(RU26)	116	5580	10.29	10.50	No
	802.11ax(HE20)(RU52)			13.16	13.50	No
	802.11ax(HE20)(RU106)			14.72	15.00	No
	802.11ax(HE20)(RU26)	140	5700	9.73	10.50	No
	802.11ax(HE20)(RU52)			12.53	13.50	No
	802.11ax(HE20)(RU106)			14.07	15.00	No
	802.11ax(HE40)(RU26)	102	5510	10.17	10.50	No
	802.11ax(HE40)(RU52)			13.42	13.50	No
	802.11ax(HE40)(RU106)			14.83	15.00	No
	802.11ax(HE40)(RU242)			14.83	15.00	No
	802.11ax(HE40)(RU26)	118	5590	10.37	10.50	No
	802.11ax(HE40)(RU52)			13.38	13.50	No
	802.11ax(HE40)(RU106)			14.93	15.00	No
	802.11ax(HE40)(RU242)			14.76	15.00	No
	802.11ax(HE40)(RU26)	134	5670	10.00	10.50	No
	802.11ax(HE40)(RU52)			13.14	13.50	No
	802.11ax(HE40)(RU106)			14.65	15.00	No
	802.11ax(HE40)(RU242)			14.52	15.00	No
	802.11ax(HE80)(RU26)	106	5530	10.39	10.50	No
	802.11ax(HE80)(RU52)			13.18	13.50	No
	802.11ax(HE80)(RU106)			14.34	15.00	No

	802.11ax(HE80)(RU242)			14.72	15.00	No
	802.11ax(HE80)(RU484)			14.80	15.00	No
	802.11ax(HE80)(RU26)	122	5610	10.12	10.50	No
	802.11ax(HE80)(RU52)			13.30	13.50	No
	802.11ax(HE80)(RU106)			14.71	15.00	No
	802.11ax(HE80)(RU242)			14.64	15.00	No
	802.11ax(HE80)(RU484)			14.57	15.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	9.08	10.50	No
	802.11ax(HE20)(RU52)			12.68	13.50	No
	802.11ax(HE20)(RU106)			15.68	16.50	No
	802.11ax(HE20)(RU26)	157	5785	8.77	10.50	No
	802.11ax(HE20)(RU52)			11.91	13.50	No
	802.11ax(HE20)(RU106)			14.93	16.50	No
	802.11ax(HE20)(RU26)	165	5825	8.93	10.50	No
	802.11ax(HE20)(RU52)			11.98	13.50	No
	802.11ax(HE20)(RU106)			14.99	16.50	No
	802.11ax(HE40)(RU26)	151	5755	10.00	10.50	No
	802.11ax(HE40)(RU52)			12.85	13.50	No
	802.11ax(HE40)(RU106)			15.78	16.50	No
	802.11ax(HE40)(RU242)			18.56	19.50	No
	802.11ax(HE40)(RU26)	159	5795	9.60	10.50	No
	802.11ax(HE40)(RU52)			12.72	13.50	No
	802.11ax(HE40)(RU106)			15.67	16.50	No
	802.11ax(HE40)(RU242)			18.47	19.50	No
	802.11ax(HE80)(RU26)	155	5775	9.74	10.50	No
	802.11ax(HE80)(RU52)			12.91	13.50	No
	802.11ax(HE80)(RU106)			15.86	16.50	No
	802.11ax(HE80)(RU242)			18.58	19.50	No
	802.11ax(HE80)(RU484)			18.27	19.50	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.

8.6.17 5G WIFI LEVEL 1 ANT 11

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.84	14.00	No
		44	5220	13.82	14.00	No
		48	5240	13.72	14.00	No
	802.11n(HT20)	36	5180	13.58	14.00	No
		44	5220	13.37	14.00	No
		48	5240	13.60	14.00	No
	802.11n(HT40)	38	5190	13.55	14.00	No
		46	5230	13.63	14.00	No
	802.11ac(VHT20)	36	5180	13.40	14.00	No
		44	5220	13.40	14.00	No
		48	5240	13.55	14.00	No
	802.11ac(VHT40)	38	5190	13.72	14.00	No
		46	5230	13.68	14.00	No
	802.11ac(VHT80)	42	5210	13.43	14.00	No
	802.11ax(HE20)	36	5180	13.36	14.00	No
		44	5220	13.26	14.00	No
		48	5240	13.49	14.00	No
	802.11ax(HE40)	38	5190	13.54	14.00	No
		46	5230	13.61	14.00	No
	802.11ax(HE80)	42	5210	13.43	14.00	No
5.3 (5.25~5.35)	802.11a	52	5260	13.74	14.00	No
		60	5300	13.65	14.00	No
		64	5320	13.72	14.00	No
	802.11n(HT20)	52	5260	13.12	14.00	No
		60	5300	13.14	14.00	No
		64	5320	13.36	14.00	No
	802.11n(HT40)	54	5270	13.18	14.00	No
		62	5310	13.21	14.00	No
	802.11ac(VHT20)	52	5260	13.24	14.00	No
		60	5300	13.16	14.00	No
		64	5320	13.14	14.00	No
	802.11ac(VHT40)	54	5270	13.17	14.00	No
		62	5310	13.14	14.00	No
	802.11ac(VHT80)	58	5290	13.28	14.00	Yes
	802.11ax(HE20)	52	5260	13.08	14.00	No
		60	5300	12.98	14.00	No

		64	5320	13.01	14.00	No
	802.11ax(HE40)	54	5270	13.08	14.00	No
		62	5310	12.96	14.00	No
	802.11ax(HE80)	58	5290	13.26	14.00	No
5.6 (5.47~5.725)	802.11a	100	5500	13.76	14.00	No
		116	5580	13.88	14.00	No
		140	5700	13.78	14.00	No
	802.11n(HT20)	100	5500	13.11	14.00	No
		116	5580	13.09	14.00	No
		140	5700	13.20	14.00	No
	802.11n(HT40)	102	5510	13.41	14.00	No
		118	5590	13.34	14.00	No
		134	5670	13.10	14.00	No
	802.11ac(VHT20)	100	5500	13.41	14.00	No
		116	5580	13.58	14.00	No
		140	5700	13.42	14.00	No
	802.11ac(VHT40)	102	5510	13.37	14.00	No
		118	5590	13.20	14.00	No
		134	5670	13.24	14.00	No
	802.11ac(VHT80)	106	5530	13.51	14.00	No
		122	5690	13.71	14.00	Yes
	802.11ax(HE20)	100	5500	13.22	14.00	No
		116	5580	13.42	14.00	No
		140	5700	13.26	14.00	No
	802.11ax(HE40)	102	5510	13.35	14.00	No
		118	5590	13.07	14.00	No
		134	5670	13.07	14.00	No
	802.11ax(HE80)	106	5530	13.37	14.00	No
		122	5610	13.56	14.00	No
5.8 (5.725~5.850)	802.11a	149	5745	11.72	13.00	No
		157	5785	11.91	13.00	No
		165	5825	11.64	13.00	No
	802.11n(HT20)	149	5745	11.92	13.00	No
		157	5785	11.98	13.00	No
		165	5825	11.76	13.00	No
	802.11n(HT40)	151	5755	11.92	13.00	No
		159	5795	12.05	13.00	Yes
	802.11ac(VHT20)	149	5745	11.90	13.00	No
		157	5785	11.85	13.00	No

		165	5825	12.03	13.00	No
	802.11ac(VHT40)	151	5755	11.98	13.00	No
		159	5795	11.98	13.00	No
	802.11ac(VHT80)	155	5775	10.77	12.00	No
	802.11ax(HE20)	149	5745	11.83	13.00	No
		157	5785	11.69	13.00	No
		165	5825	11.94	13.00	No
	802.11ax(HE40)	151	5755	11.96	13.00	No
		159	5795	11.81	13.00	No
	802.11ax(HE80)	155	5775	10.75	12.00	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	8.21	9.50	No
	802.11ax(HE20)(RU52)			11.21	12.50	No
	802.11ax(HE20)(RU106)			12.71	14.00	No
	802.11ax(HE20)(RU26)	44	5220	8.16	9.50	No
	802.11ax(HE20)(RU52)			11.17	12.50	No
	802.11ax(HE20)(RU106)			12.84	14.00	No
	802.11ax(HE20)(RU26)	48	5240	8.22	9.50	No
	802.11ax(HE20)(RU52)			11.33	12.50	No
	802.11ax(HE20)(RU106)			12.77	14.00	No
	802.11ax(HE40)(RU26)	38	5190	8.24	9.50	No
	802.11ax(HE40)(RU52)			11.47	12.50	No
	802.11ax(HE40)(RU106)			12.81	14.00	No
	802.11ax(HE40)(RU242)			12.74	14.00	No
	802.11ax(HE40)(RU26)	46	5230	8.32	9.50	No
	802.11ax(HE40)(RU52)			11.25	12.50	No
	802.11ax(HE40)(RU106)			12.75	14.00	No
	802.11ax(HE40)(RU242)			12.66	14.00	No
	802.11ax(HE80)(RU26)	42	5210	8.18	9.50	No
	802.11ax(HE80)(RU52)			11.36	12.50	No
	802.11ax(HE80)(RU106)			12.75	14.00	No
	802.11ax(HE80)(RU242)			13.06	14.00	No
	802.11ax(HE80)(RU484)			13.05	14.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	8.31	9.50	No
	802.11ax(HE20)(RU52)			11.20	12.50	No
	802.11ax(HE20)(RU106)			12.87	14.00	No
	802.11ax(HE20)(RU26)	60	5300	8.27	9.50	No
	802.11ax(HE20)(RU52)			11.41	12.50	No
	802.11ax(HE20)(RU106)			12.95	14.00	No
	802.11ax(HE20)(RU26)	64	5320	8.47	9.50	No

	802.11ax(HE20)(RU52)			11.50	12.50	No
	802.11ax(HE20)(RU106)			12.84	14.00	No
	802.11ax(HE40)(RU26)	54	5270	8.23	9.50	No
	802.11ax(HE40)(RU52)			11.44	12.50	No
	802.11ax(HE40)(RU106)			12.91	14.00	No
	802.11ax(HE40)(RU242)			12.75	14.00	No
	802.11ax(HE40)(RU26)	62	5310	8.45	9.50	No
	802.11ax(HE40)(RU52)			11.34	12.50	No
	802.11ax(HE40)(RU106)			13.05	14.00	No
	802.11ax(HE40)(RU242)			12.77	14.00	No
	802.11ax(HE80)(RU26)	58	5290	8.14	9.50	No
	802.11ax(HE80)(RU52)			11.55	12.50	No
	802.11ax(HE80)(RU106)			13.07	14.00	No
	802.11ax(HE80)(RU242)			12.67	14.00	No
	802.11ax(HE80)(RU484)			12.91	14.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	8.32	9.50	No
	802.11ax(HE20)(RU52)			11.58	12.50	No
	802.11ax(HE20)(RU106)			12.91	14.00	No
	802.11ax(HE20)(RU26)	116	5580	8.24	9.50	No
	802.11ax(HE20)(RU52)			11.55	12.50	No
	802.11ax(HE20)(RU106)			13.00	14.00	No
	802.11ax(HE20)(RU26)	140	5700	8.22	9.50	No
	802.11ax(HE20)(RU52)			11.49	12.50	No
	802.11ax(HE20)(RU106)			12.88	14.00	No
	802.11ax(HE40)(RU26)	102	5510	8.22	9.50	No
	802.11ax(HE40)(RU52)			11.45	12.50	No
	802.11ax(HE40)(RU106)			12.92	14.00	No
	802.11ax(HE40)(RU242)			12.72	14.00	No
	802.11ax(HE40)(RU26)	118	5590	8.18	9.50	No
	802.11ax(HE40)(RU52)			11.28	12.50	No
	802.11ax(HE40)(RU106)			13.04	14.00	No
	802.11ax(HE40)(RU242)			12.63	14.00	No
	802.11ax(HE40)(RU26)	134	5670	8.42	9.50	No
	802.11ax(HE40)(RU52)			11.51	12.50	No
	802.11ax(HE40)(RU106)			12.67	14.00	No
	802.11ax(HE40)(RU242)			12.88	14.00	No
	802.11ax(HE80)(RU26)	106	5530	8.37	9.50	No
	802.11ax(HE80)(RU52)			11.49	12.50	No
	802.11ax(HE80)(RU106)			13.00	14.00	No

	802.11ax(HE80)(RU242)			12.64	14.00	No
	802.11ax(HE80)(RU484)			12.92	14.00	No
	802.11ax(HE80)(RU26)	122	5610	8.31	9.50	No
	802.11ax(HE80)(RU52)			11.31	12.50	No
	802.11ax(HE80)(RU106)			12.68	14.00	No
	802.11ax(HE80)(RU242)			12.92	14.00	No
	802.11ax(HE80)(RU484)			12.73	14.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	2.64	4.00	No
	802.11ax(HE20)(RU52)			5.65	7.00	No
	802.11ax(HE20)(RU106)			8.97	10.00	No
	802.11ax(HE20)(RU26)	157	5785	2.98	4.00	No
	802.11ax(HE20)(RU52)			5.86	7.00	No
	802.11ax(HE20)(RU106)			8.93	10.00	No
	802.11ax(HE20)(RU26)	165	5825	3.08	4.00	No
	802.11ax(HE20)(RU52)			5.97	7.00	No
	802.11ax(HE20)(RU106)			8.81	10.00	No
	802.11ax(HE40)(RU26)	151	5755	2.65	4.00	No
	802.11ax(HE40)(RU52)			5.92	7.00	No
	802.11ax(HE40)(RU106)			8.85	10.00	No
	802.11ax(HE40)(RU242)			11.76	13.00	No
	802.11ax(HE40)(RU26)	159	5795	2.90	4.00	No
	802.11ax(HE40)(RU52)			5.69	7.00	No
	802.11ax(HE40)(RU106)			8.96	10.00	No
	802.11ax(HE40)(RU242)			11.68	13.00	No
	802.11ax(HE80)(RU26)	155	5775	2.88	4.00	No
	802.11ax(HE80)(RU52)			5.93	7.00	No
	802.11ax(HE80)(RU106)			8.81	10.00	No
	802.11ax(HE80)(RU242)			12.08	13.00	No
	802.11ax(HE80)(RU484)			11.90	13.00	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.

8.6.18 5G WIFI LEVEL 2&3 ANT 11

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	8.47	9.00	No
		44	5220	8.58	9.00	No
		48	5240	8.88	9.00	No
	802.11n(HT20)	36	5180	8.42	9.00	No
		44	5220	8.65	9.00	No
		48	5240	8.61	9.00	No
	802.11n(HT40)	38	5190	8.44	9.00	No
		46	5230	8.63	9.00	No
	802.11ac(VHT20)	36	5180	8.68	9.00	No
		44	5220	8.72	9.00	No
		48	5240	8.55	9.00	No
	802.11ac(VHT40)	38	5190	8.60	9.00	No
		46	5230	8.32	9.00	No
	802.11ac(VHT80)	42	5210	8.34	9.00	No
	802.11ax(HE20)	36	5180	8.65	9.00	No
		44	5220	8.71	9.00	No
		48	5240	8.48	9.00	No
	802.11ax(HE40)	38	5190	8.57	9.00	No
		46	5230	8.18	9.00	No
	802.11ax(HE80)	42	5210	8.34	9.00	No
5.3 (5.25~5.35)	802.11a	52	5260	8.64	9.00	No
		60	5300	8.78	9.00	No
		64	5320	8.44	9.00	No
	802.11n(HT20)	52	5260	8.33	9.00	No
		60	5300	8.29	9.00	No
		64	5320	8.37	9.00	No
	802.11n(HT40)	54	5270	8.36	9.00	No
		62	5310	8.19	9.00	No
	802.11ac(VHT20)	52	5260	8.37	9.00	No
		60	5300	8.14	9.00	No
		64	5320	8.22	9.00	No
	802.11ac(VHT40)	54	5270	8.13	9.00	No
		62	5310	7.92	9.00	No
	802.11ac(VHT80)	58	5290	8.05	9.00	Yes
	802.11ax(HE20)	52	5260	8.27	9.00	No
		60	5300	8.04	9.00	No

		64	5320	8.15	9.00	No
	802.11ax(HE40)	54	5270	8.03	9.00	No
		62	5310	7.92	9.00	No
	802.11ax(HE80)	58	5290	8.03	9.00	No
5.6 (5.47~5.725)	802.11a	100	5500	8.54	9.00	No
		116	5580	8.70	9.00	No
		140	5700	8.56	9.00	No
	802.11n(HT20)	100	5500	8.33	9.00	No
		116	5580	8.51	9.00	No
		140	5700	8.60	9.00	No
	802.11n(HT40)	102	5510	8.35	9.00	No
		118	5590	8.15	9.00	No
		134	5670	8.51	9.00	No
	802.11ac(VHT20)	100	5500	8.59	9.00	No
		116	5580	8.07	9.00	No
		140	5700	8.36	9.00	No
	802.11ac(VHT40)	102	5510	8.20	9.00	No
		118	5590	8.11	9.00	No
		134	5670	8.56	9.00	No
	802.11ac(VHT80)	106	5530	8.43	9.00	Yes
		122	5690	8.23	9.00	No
	802.11ax(HE20)	100	5500	8.58	9.00	No
		116	5580	7.97	9.00	No
		140	5700	8.21	9.00	No
	802.11ax(HE40)	102	5510	8.07	9.00	No
		118	5590	8.05	9.00	No
		134	5670	8.54	9.00	No
	802.11ax(HE80)	106	5530	8.29	9.00	No
		122	5610	8.05	9.00	No
5.8 (5.725~5.850)	802.11a	149	5745	7.14	8.50	No
		157	5785	7.43	8.50	No
		165	5825	7.13	8.50	No
	802.11n(HT20)	149	5745	7.48	8.50	No
		157	5785	7.48	8.50	No
		165	5825	7.52	8.50	No
	802.11n(HT40)	151	5755	7.33	8.50	No
		159	5795	7.48	8.50	Yes
	802.11ac(VHT20)	149	5745	7.25	8.50	No
		157	5785	7.42	8.50	No

		165	5825	7.25	8.50	No
	802.11ac(VHT40)	151	5755	7.41	8.50	No
		159	5795	7.46	8.50	No
	802.11ac(VHT80)	155	5775	6.32	7.50	No
	802.11ax(HE20)	149	5745	7.10	8.50	No
		157	5785	7.33	8.50	No
		165	5825	7.06	8.50	No
	802.11ax(HE40)	151	5755	7.23	8.50	No
		159	5795	7.38	8.50	No
	802.11ax(HE80)	155	5775	6.14	7.50	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	3.04	4.50	No
	802.11ax(HE20)(RU52)			5.91	7.50	No
	802.11ax(HE20)(RU106)			7.45	9.00	No
	802.11ax(HE20)(RU26)	44	5220	3.15	4.50	No
	802.11ax(HE20)(RU52)			6.26	7.50	No
	802.11ax(HE20)(RU106)			7.37	9.00	No
	802.11ax(HE20)(RU26)	48	5240	3.05	4.50	No
	802.11ax(HE20)(RU52)			6.26	7.50	No
	802.11ax(HE20)(RU106)			7.39	9.00	No
	802.11ax(HE40)(RU26)	38	5190	3.27	4.50	No
	802.11ax(HE40)(RU52)			5.88	7.50	No
	802.11ax(HE40)(RU106)			7.67	9.00	No
	802.11ax(HE40)(RU242)			7.43	9.00	No
	802.11ax(HE40)(RU26)	46	5230	3.09	4.50	No
	802.11ax(HE40)(RU52)			6.08	7.50	No
	802.11ax(HE40)(RU106)			7.38	9.00	No
	802.11ax(HE40)(RU242)			7.70	9.00	No
	802.11ax(HE80)(RU26)	42	5210	3.15	4.50	No
	802.11ax(HE80)(RU52)			5.96	7.50	No
	802.11ax(HE80)(RU106)			7.67	9.00	No
	802.11ax(HE80)(RU242)			7.62	9.00	No
	802.11ax(HE80)(RU484)			7.73	9.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	3.15	4.50	No
	802.11ax(HE20)(RU52)			5.94	7.50	No
	802.11ax(HE20)(RU106)			7.61	9.00	No
	802.11ax(HE20)(RU26)	60	5300	3.17	4.50	No
	802.11ax(HE20)(RU52)			5.83	7.50	No
	802.11ax(HE20)(RU106)			7.75	9.00	No
	802.11ax(HE20)(RU26)	64	5320	2.89	4.50	No

	802.11ax(HE20)(RU52)			6.05	7.50	No
	802.11ax(HE20)(RU106)			7.38	9.00	No
	802.11ax(HE40)(RU26)	54	5270	3.28	4.50	No
	802.11ax(HE40)(RU52)			5.82	7.50	No
	802.11ax(HE40)(RU106)			7.50	9.00	No
	802.11ax(HE40)(RU242)			7.62	9.00	No
	802.11ax(HE40)(RU26)	62	5310	3.27	4.50	No
	802.11ax(HE40)(RU52)			6.23	7.50	No
	802.11ax(HE40)(RU106)			7.74	9.00	No
	802.11ax(HE40)(RU242)			7.64	9.00	No
	802.11ax(HE80)(RU26)	58	5290	3.11	4.50	No
	802.11ax(HE80)(RU52)			6.01	7.50	No
	802.11ax(HE80)(RU106)			7.69	9.00	No
	802.11ax(HE80)(RU242)			7.71	9.00	No
	802.11ax(HE80)(RU484)			7.73	9.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	2.92	4.50	No
	802.11ax(HE20)(RU52)			6.05	7.50	No
	802.11ax(HE20)(RU106)			7.33	9.00	No
	802.11ax(HE20)(RU26)	116	5580	3.16	4.50	No
	802.11ax(HE20)(RU52)			6.11	7.50	No
	802.11ax(HE20)(RU106)			7.54	9.00	No
	802.11ax(HE20)(RU26)	140	5700	3.25	4.50	No
	802.11ax(HE20)(RU52)			5.97	7.50	No
	802.11ax(HE20)(RU106)			7.41	9.00	No
	802.11ax(HE40)(RU26)	102	5510	3.26	4.50	No
	802.11ax(HE40)(RU52)			6.23	7.50	No
	802.11ax(HE40)(RU106)			7.61	9.00	No
	802.11ax(HE40)(RU242)			7.44	9.00	No
	802.11ax(HE40)(RU26)	118	5590	2.82	4.50	No
	802.11ax(HE40)(RU52)			6.15	7.50	No
	802.11ax(HE40)(RU106)			7.76	9.00	No
	802.11ax(HE40)(RU242)			7.42	9.00	No
	802.11ax(HE40)(RU26)	134	5670	3.18	4.50	No
	802.11ax(HE40)(RU52)			5.88	7.50	No
	802.11ax(HE40)(RU106)			7.37	9.00	No
	802.11ax(HE40)(RU242)			7.69	9.00	No
	802.11ax(HE80)(RU26)	106	5530	3.01	4.50	No
	802.11ax(HE80)(RU52)			6.03	7.50	No
	802.11ax(HE80)(RU106)			7.46	9.00	No

	802.11ax(HE80)(RU242)			7.68	9.00	No
	802.11ax(HE80)(RU484)			7.77	9.00	No
	802.11ax(HE80)(RU26)	122	5610	3.23	4.50	No
	802.11ax(HE80)(RU52)			5.85	7.50	No
	802.11ax(HE80)(RU106)			7.36	9.00	No
	802.11ax(HE80)(RU242)			7.41	9.00	No
	802.11ax(HE80)(RU484)			7.71	9.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	-2.09	-0.50	No
	802.11ax(HE20)(RU52)			1.07	2.50	No
	802.11ax(HE20)(RU106)			4.17	5.50	No
	802.11ax(HE20)(RU26)	157	5785	-2.08	-0.50	No
	802.11ax(HE20)(RU52)			0.84	2.50	No
	802.11ax(HE20)(RU106)			3.85	5.50	No
	802.11ax(HE20)(RU26)	165	5825	-2.11	-0.50	No
	802.11ax(HE20)(RU52)			1.19	2.50	No
	802.11ax(HE20)(RU106)			4.22	5.50	No
	802.11ax(HE40)(RU26)	151	5755	-2.06	-0.50	No
	802.11ax(HE40)(RU52)			0.97	2.50	No
	802.11ax(HE40)(RU106)			4.08	5.50	No
	802.11ax(HE40)(RU242)			7.22	8.50	No
	802.11ax(HE40)(RU26)	159	5795	-1.87	-0.50	No
	802.11ax(HE40)(RU52)			1.13	2.50	No
	802.11ax(HE40)(RU106)			4.03	5.50	No
	802.11ax(HE40)(RU242)			6.90	8.50	No
	802.11ax(HE80)(RU26)	155	5775	-2.12	-0.50	No
	802.11ax(HE80)(RU52)			1.13	2.50	No
	802.11ax(HE80)(RU106)			4.21	5.50	No
	802.11ax(HE80)(RU242)			7.03	8.50	No
	802.11ax(HE80)(RU484)			6.99	8.50	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.

8.6.19 5G WIFI LEVEL 4 ANT 11

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.21	15.00	No
		44	5220	14.15	15.00	No
		48	5240	14.22	15.00	No
	802.11n(HT20)	36	5180	14.67	15.00	No
		44	5220	14.57	15.00	No
		48	5240	14.51	15.00	No
	802.11n(HT40)	38	5190	14.62	15.00	No
		46	5230	14.59	15.00	No
	802.11ac(VHT20)	36	5180	14.51	15.00	No
		44	5220	14.70	15.00	No
		48	5240	14.72	15.00	No
	802.11ac(VHT40)	38	5190	14.65	15.00	No
		46	5230	14.74	15.00	No
	802.11ac(VHT80)	42	5210	14.84	15.00	Yes
	802.11ax(HE20)	36	5180	14.41	15.00	No
		44	5220	14.70	15.00	No
		48	5240	14.64	15.00	No
	802.11ax(HE40)	38	5190	14.54	15.00	No
		46	5230	14.65	15.00	No
	802.11ax(HE80)	42	5210	14.84	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.23	15.00	No
		60	5300	14.29	15.00	No
		64	5320	14.12	15.00	No
	802.11n(HT20)	52	5260	14.22	15.00	No
		60	5300	14.14	15.00	No
		64	5320	14.25	15.00	No
	802.11n(HT40)	54	5270	14.21	15.00	No
		62	5310	14.09	15.00	No
	802.11ac(VHT20)	52	5260	14.15	15.00	No
		60	5300	14.19	15.00	No
		64	5320	14.07	15.00	No
	802.11ac(VHT40)	54	5270	14.19	15.00	No
		62	5310	14.25	15.00	No
	802.11ac(VHT80)	58	5290	14.39	15.00	Yes
	802.11ax(HE20)	52	5260	14.03	15.00	No
		60	5300	14.08	15.00	No

		64	5320	13.91	15.00	No
	802.11ax(HE40)	54	5270	14.13	15.00	No
		62	5310	14.09	15.00	No
	802.11ax(HE80)	58	5290	14.35	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.76	15.00	No
		116	5580	14.42	15.00	No
		140	5700	14.21	15.00	No
	802.11n(HT20)	100	5500	14.43	15.00	No
		116	5580	14.52	15.00	No
		140	5700	14.28	15.00	No
	802.11n(HT40)	102	5510	14.31	15.00	No
		118	5590	14.44	15.00	No
		134	5670	14.49	15.00	No
	802.11ac(VHT20)	100	5500	14.32	15.00	No
		116	5580	14.39	15.00	No
		140	5700	14.38	15.00	No
	802.11ac(VHT40)	102	5510	14.45	15.00	No
		118	5590	14.38	15.00	No
		134	5670	14.27	15.00	No
	802.11ac(VHT80)	106	5530	14.28	15.00	No
		122	5690	14.64	15.00	Yes
	802.11ax(HE20)	100	5500	14.18	15.00	No
		116	5580	14.31	15.00	No
		140	5700	14.22	15.00	No
	802.11ax(HE40)	102	5510	14.35	15.00	No
		118	5590	14.22	15.00	No
		134	5670	14.23	15.00	No
	802.11ax(HE80)	106	5530	14.24	15.00	No
		122	5610	14.47	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	18.41	19.50	No
		157	5785	18.42	19.50	No
		165	5825	18.42	19.50	No
	802.11n(HT20)	149	5745	18.54	19.50	No
		157	5785	18.49	19.50	No
		165	5825	18.25	19.50	No
	802.11n(HT40)	151	5755	18.52	19.50	Yes
		159	5795	18.38	19.50	No
	802.11ac(VHT20)	149	5745	18.28	19.50	No
		157	5785	18.34	19.50	No

		165	5825	18.55	19.50	No
	802.11ac(VHT40)	151	5755	18.33	19.50	No
		159	5795	18.27	19.50	No
	802.11ac(VHT80)	155	5775	17.45	18.50	No
	802.11ax(HE20)	149	5745	18.16	19.50	No
		157	5785	18.27	19.50	No
		165	5825	18.47	19.50	No
	802.11ax(HE40)	151	5755	18.14	19.50	No
		159	5795	18.08	19.50	No
	802.11ax(HE80)	155	5775	17.27	18.50	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	9.35	10.50	No
	802.11ax(HE20)(RU52)			12.71	13.50	No
	802.11ax(HE20)(RU106)			14.18	15.00	No
	802.11ax(HE20)(RU26)	44	5220	9.00	10.50	No
	802.11ax(HE20)(RU52)			12.61	13.50	No
	802.11ax(HE20)(RU106)			13.56	15.00	No
	802.11ax(HE20)(RU26)	48	5240	9.75	10.50	No
	802.11ax(HE20)(RU52)			12.70	13.50	No
	802.11ax(HE20)(RU106)			14.19	15.00	No
	802.11ax(HE40)(RU26)	38	5190	9.92	10.50	No
	802.11ax(HE40)(RU52)			12.87	13.50	No
	802.11ax(HE40)(RU106)			14.27	15.00	No
	802.11ax(HE40)(RU242)			14.05	15.00	No
	802.11ax(HE40)(RU26)	46	5230	9.82	10.50	No
	802.11ax(HE40)(RU52)			12.77	13.50	No
	802.11ax(HE40)(RU106)			14.22	15.00	No
	802.11ax(HE40)(RU242)			13.97	15.00	No
	802.11ax(HE80)(RU26)	42	5210	9.86	10.50	No
	802.11ax(HE80)(RU52)			12.86	13.50	No
	802.11ax(HE80)(RU106)			14.24	15.00	No
	802.11ax(HE80)(RU242)			13.96	15.00	No
	802.11ax(HE80)(RU484)			13.71	15.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	9.41	10.50	No
	802.11ax(HE20)(RU52)			12.65	13.50	No
	802.11ax(HE20)(RU106)			14.11	15.00	No
	802.11ax(HE20)(RU26)	60	5300	8.99	10.50	No
	802.11ax(HE20)(RU52)			12.25	13.50	No
	802.11ax(HE20)(RU106)			13.74	15.00	No
	802.11ax(HE20)(RU26)	64	5320	9.40	10.50	No

	802.11ax(HE20)(RU52)			12.68	13.50	No
	802.11ax(HE20)(RU106)			14.11	15.00	No
	802.11ax(HE40)(RU26)	54	5270	9.84	10.50	No
	802.11ax(HE40)(RU52)			12.78	13.50	No
	802.11ax(HE40)(RU106)			14.30	15.00	No
	802.11ax(HE40)(RU242)			14.00	15.00	No
	802.11ax(HE40)(RU26)	62	5310	9.80	10.50	No
	802.11ax(HE40)(RU52)			12.98	13.50	No
	802.11ax(HE40)(RU106)			14.38	15.00	No
	802.11ax(HE40)(RU242)			14.11	15.00	No
	802.11ax(HE80)(RU26)	58	5290	10.08	10.50	No
	802.11ax(HE80)(RU52)			13.31	13.50	No
	802.11ax(HE80)(RU106)			14.52	15.00	No
	802.11ax(HE80)(RU242)			14.24	15.00	No
	802.11ax(HE80)(RU484)			13.96	15.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	10.31	10.50	No
	802.11ax(HE20)(RU52)			13.01	13.50	No
	802.11ax(HE20)(RU106)			14.67	15.00	No
	802.11ax(HE20)(RU26)	116	5580	10.29	10.50	No
	802.11ax(HE20)(RU52)			13.16	13.50	No
	802.11ax(HE20)(RU106)			14.72	15.00	No
	802.11ax(HE20)(RU26)	140	5700	9.73	10.50	No
	802.11ax(HE20)(RU52)			12.53	13.50	No
	802.11ax(HE20)(RU106)			14.07	15.00	No
	802.11ax(HE40)(RU26)	102	5510	10.17	10.50	No
	802.11ax(HE40)(RU52)			13.42	13.50	No
	802.11ax(HE40)(RU106)			14.83	15.00	No
	802.11ax(HE40)(RU242)			14.83	15.00	No
	802.11ax(HE40)(RU26)	118	5590	10.37	10.50	No
	802.11ax(HE40)(RU52)			13.38	13.50	No
	802.11ax(HE40)(RU106)			14.93	15.00	No
	802.11ax(HE40)(RU242)			14.76	15.00	No
	802.11ax(HE40)(RU26)	134	5670	10.00	10.50	No
	802.11ax(HE40)(RU52)			13.14	13.50	No
	802.11ax(HE40)(RU106)			14.65	15.00	No
	802.11ax(HE40)(RU242)			14.52	15.00	No
	802.11ax(HE80)(RU26)	106	5530	10.39	10.50	No
	802.11ax(HE80)(RU52)			13.18	13.50	No
	802.11ax(HE80)(RU106)			14.34	15.00	No

	802.11ax(HE80)(RU242)			14.72	15.00	No
	802.11ax(HE80)(RU484)			14.80	15.00	No
	802.11ax(HE80)(RU26)	122	5610	10.12	10.50	No
	802.11ax(HE80)(RU52)			13.30	13.50	No
	802.11ax(HE80)(RU106)			14.71	15.00	No
	802.11ax(HE80)(RU242)			14.64	15.00	No
	802.11ax(HE80)(RU484)			14.57	15.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	9.08	10.50	No
	802.11ax(HE20)(RU52)			12.68	13.50	No
	802.11ax(HE20)(RU106)			15.68	16.50	No
	802.11ax(HE20)(RU26)	157	5785	8.77	10.50	No
	802.11ax(HE20)(RU52)			11.91	13.50	No
	802.11ax(HE20)(RU106)			14.93	16.50	No
	802.11ax(HE20)(RU26)	165	5825	8.93	10.50	No
	802.11ax(HE20)(RU52)			11.98	13.50	No
	802.11ax(HE20)(RU106)			14.99	16.50	No
	802.11ax(HE40)(RU26)	151	5755	10.00	10.50	No
	802.11ax(HE40)(RU52)			12.85	13.50	No
	802.11ax(HE40)(RU106)			15.78	16.50	No
	802.11ax(HE40)(RU242)			18.56	19.50	No
	802.11ax(HE40)(RU26)	159	5795	9.60	10.50	No
	802.11ax(HE40)(RU52)			12.72	13.50	No
	802.11ax(HE40)(RU106)			15.67	16.50	No
	802.11ax(HE40)(RU242)			18.47	19.50	No
	802.11ax(HE80)(RU26)	155	5775	9.74	10.50	No
	802.11ax(HE80)(RU52)			12.91	13.50	No
	802.11ax(HE80)(RU106)			15.86	16.50	No
	802.11ax(HE80)(RU242)			18.58	19.50	No
	802.11ax(HE80)(RU484)			18.27	19.50	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.

8.6.20 5G WIFI LEVEL 5&6 ANT 11

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.21	15.00	No
		44	5220	14.15	15.00	No
		48	5240	14.22	15.00	No
	802.11n(HT20)	36	5180	14.67	15.00	No
		44	5220	14.57	15.00	No
		48	5240	14.51	15.00	No
	802.11n(HT40)	38	5190	14.62	15.00	No
		46	5230	14.59	15.00	No
	802.11ac(VHT20)	36	5180	14.51	15.00	No
		44	5220	14.70	15.00	No
		48	5240	14.72	15.00	No
	802.11ac(VHT40)	38	5190	14.65	15.00	No
		46	5230	14.74	15.00	No
	802.11ac(VHT80)	42	5210	14.84	15.00	Yes
	802.11ax(HE20)	36	5180	14.41	15.00	No
		44	5220	14.70	15.00	No
		48	5240	14.64	15.00	No
	802.11ax(HE40)	38	5190	14.54	15.00	No
		46	5230	14.65	15.00	No
	802.11ax(HE80)	42	5210	14.84	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.23	15.00	No
		60	5300	14.29	15.00	No
		64	5320	14.12	15.00	No
	802.11n(HT20)	52	5260	14.22	15.00	No
		60	5300	14.14	15.00	No
		64	5320	14.25	15.00	No
	802.11n(HT40)	54	5270	14.21	15.00	No
		62	5310	14.09	15.00	No
	802.11ac(VHT20)	52	5260	14.15	15.00	No
		60	5300	14.19	15.00	No
		64	5320	14.07	15.00	No
	802.11ac(VHT40)	54	5270	14.19	15.00	No
		62	5310	14.25	15.00	No
	802.11ac(VHT80)	58	5290	14.39	15.00	Yes
	802.11ax(HE20)	52	5260	14.03	15.00	No
		60	5300	14.08	15.00	No

		64	5320	13.91	15.00	No
	802.11ax(HE40)	54	5270	14.13	15.00	No
		62	5310	14.09	15.00	No
	802.11ax(HE80)	58	5290	14.35	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.76	15.00	No
		116	5580	14.42	15.00	No
		140	5700	14.21	15.00	No
	802.11n(HT20)	100	5500	14.43	15.00	No
		116	5580	14.52	15.00	No
		140	5700	14.28	15.00	No
	802.11n(HT40)	102	5510	14.31	15.00	No
		118	5590	14.44	15.00	No
		134	5670	14.49	15.00	No
	802.11ac(VHT20)	100	5500	14.32	15.00	No
		116	5580	14.39	15.00	No
		140	5700	14.38	15.00	No
	802.11ac(VHT40)	102	5510	14.45	15.00	No
		118	5590	14.38	15.00	No
		134	5670	14.27	15.00	No
	802.11ac(VHT80)	106	5530	14.28	15.00	No
		122	5690	14.64	15.00	Yes
	802.11ax(HE20)	100	5500	14.18	15.00	No
		116	5580	14.31	15.00	No
		140	5700	14.22	15.00	No
	802.11ax(HE40)	102	5510	14.35	15.00	No
		118	5590	14.22	15.00	No
		134	5670	14.23	15.00	No
	802.11ax(HE80)	106	5530	14.24	15.00	No
		122	5610	14.47	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	15.86	17.00	No
		157	5785	15.96	17.00	No
		165	5825	15.85	17.00	No
	802.11n(HT20)	149	5745	15.68	17.00	No
		157	5785	15.68	17.00	No
		165	5825	15.97	17.00	No
	802.11n(HT40)	151	5755	15.79	17.00	Yes
		159	5795	15.70	17.00	No
	802.11ac(VHT20)	149	5745	16.04	17.00	No
		157	5785	15.97	17.00	No

		165	5825	15.78	17.00	No
	802.11ac(VHT40)	151	5755	15.82	17.00	No
		159	5795	15.80	17.00	No
	802.11ac(VHT80)	155	5775	14.84	16.00	No
	802.11ax(HE20)	149	5745	16.02	17.00	No
		157	5785	15.93	17.00	No
		165	5825	15.73	17.00	No
	802.11ax(HE40)	151	5755	15.76	17.00	No
		159	5795	15.75	17.00	No
	802.11ax(HE80)	155	5775	14.82	16.00	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	9.35	10.50	No
	802.11ax(HE20)(RU52)			12.71	13.50	No
	802.11ax(HE20)(RU106)			14.18	15.00	No
	802.11ax(HE20)(RU26)	44	5220	9.00	10.50	No
	802.11ax(HE20)(RU52)			12.61	13.50	No
	802.11ax(HE20)(RU106)			13.56	15.00	No
	802.11ax(HE20)(RU26)	48	5240	9.75	10.50	No
	802.11ax(HE20)(RU52)			12.70	13.50	No
	802.11ax(HE20)(RU106)			14.19	15.00	No
	802.11ax(HE40)(RU26)	38	5190	9.92	10.50	No
	802.11ax(HE40)(RU52)			12.87	13.50	No
	802.11ax(HE40)(RU106)			14.27	15.00	No
	802.11ax(HE40)(RU242)			14.05	15.00	No
	802.11ax(HE40)(RU26)	46	5230	9.82	10.50	No
	802.11ax(HE40)(RU52)			12.77	13.50	No
	802.11ax(HE40)(RU106)			14.22	15.00	No
	802.11ax(HE40)(RU242)			13.97	15.00	No
	802.11ax(HE80)(RU26)	42	5210	9.86	10.50	No
	802.11ax(HE80)(RU52)			12.86	13.50	No
	802.11ax(HE80)(RU106)			14.24	15.00	No
	802.11ax(HE80)(RU242)			13.96	15.00	No
	802.11ax(HE80)(RU484)			13.71	15.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	9.41	10.50	No
	802.11ax(HE20)(RU52)			12.65	13.50	No
	802.11ax(HE20)(RU106)			14.11	15.00	No
	802.11ax(HE20)(RU26)	60	5300	8.99	10.50	No
	802.11ax(HE20)(RU52)			12.25	13.50	No
	802.11ax(HE20)(RU106)			13.74	15.00	No
	802.11ax(HE20)(RU26)	64	5320	9.40	10.50	No

	802.11ax(HE20)(RU52)			12.68	13.50	No
	802.11ax(HE20)(RU106)			14.11	15.00	No
	802.11ax(HE40)(RU26)	54	5270	9.84	10.50	No
	802.11ax(HE40)(RU52)			12.78	13.50	No
	802.11ax(HE40)(RU106)			14.30	15.00	No
	802.11ax(HE40)(RU242)			14.00	15.00	No
	802.11ax(HE40)(RU26)	62	5310	9.80	10.50	No
	802.11ax(HE40)(RU52)			12.98	13.50	No
	802.11ax(HE40)(RU106)			14.38	15.00	No
	802.11ax(HE40)(RU242)			14.11	15.00	No
	802.11ax(HE80)(RU26)	58	5290	10.08	10.50	No
	802.11ax(HE80)(RU52)			13.31	13.50	No
	802.11ax(HE80)(RU106)			14.52	15.00	No
	802.11ax(HE80)(RU242)			14.24	15.00	No
	802.11ax(HE80)(RU484)			13.96	15.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	10.31	10.50	No
	802.11ax(HE20)(RU52)			13.01	13.50	No
	802.11ax(HE20)(RU106)			14.67	15.00	No
	802.11ax(HE20)(RU26)	116	5580	10.29	10.50	No
	802.11ax(HE20)(RU52)			13.16	13.50	No
	802.11ax(HE20)(RU106)			14.72	15.00	No
	802.11ax(HE20)(RU26)	140	5700	9.73	10.50	No
	802.11ax(HE20)(RU52)			12.53	13.50	No
	802.11ax(HE20)(RU106)			14.07	15.00	No
	802.11ax(HE40)(RU26)	102	5510	10.17	10.50	No
	802.11ax(HE40)(RU52)			13.42	13.50	No
	802.11ax(HE40)(RU106)			14.83	15.00	No
	802.11ax(HE40)(RU242)			14.83	15.00	No
	802.11ax(HE40)(RU26)	118	5590	10.37	10.50	No
	802.11ax(HE40)(RU52)			13.38	13.50	No
	802.11ax(HE40)(RU106)			14.93	15.00	No
	802.11ax(HE40)(RU242)			14.76	15.00	No
	802.11ax(HE40)(RU26)	134	5670	10.00	10.50	No
	802.11ax(HE40)(RU52)			13.14	13.50	No
	802.11ax(HE40)(RU106)			14.65	15.00	No
	802.11ax(HE40)(RU242)			14.52	15.00	No
	802.11ax(HE80)(RU26)	106	5530	10.39	10.50	No
	802.11ax(HE80)(RU52)			13.18	13.50	No
	802.11ax(HE80)(RU106)			14.34	15.00	No

	802.11ax(HE80)(RU242)			14.72	15.00	No
	802.11ax(HE80)(RU484)			14.80	15.00	No
	802.11ax(HE80)(RU26)	122	5610	10.12	10.50	No
	802.11ax(HE80)(RU52)			13.30	13.50	No
	802.11ax(HE80)(RU106)			14.71	15.00	No
	802.11ax(HE80)(RU242)			14.64	15.00	No
	802.11ax(HE80)(RU484)			14.57	15.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	6.38	8.00	No
	802.11ax(HE20)(RU52)			9.75	11.00	No
	802.11ax(HE20)(RU106)			12.51	14.00	No
	802.11ax(HE20)(RU26)	157	5785	6.70	8.00	No
	802.11ax(HE20)(RU52)			9.34	11.00	No
	802.11ax(HE20)(RU106)			12.56	14.00	No
	802.11ax(HE20)(RU26)	165	5825	6.77	8.00	No
	802.11ax(HE20)(RU52)			9.74	11.00	No
	802.11ax(HE20)(RU106)			12.77	14.00	No
	802.11ax(HE40)(RU26)	151	5755	6.70	8.00	No
	802.11ax(HE40)(RU52)			9.35	11.00	No
	802.11ax(HE40)(RU106)			12.55	14.00	No
	802.11ax(HE40)(RU242)			15.68	17.00	No
	802.11ax(HE40)(RU26)	159	5795	6.76	8.00	No
	802.11ax(HE40)(RU52)			9.42	11.00	No
	802.11ax(HE40)(RU106)			12.68	14.00	No
	802.11ax(HE40)(RU242)			15.48	17.00	No
	802.11ax(HE80)(RU26)	155	5775	6.37	8.00	No
	802.11ax(HE80)(RU52)			9.65	11.00	No
	802.11ax(HE80)(RU106)			12.44	14.00	No
	802.11ax(HE80)(RU242)			15.76	17.00	No
	802.11ax(HE80)(RU484)			15.72	17.00	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.

8.6.21 5G WIFI Full Power ANT 8

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.45	15.00	No
		44	5220	14.38	15.00	No
		48	5240	14.36	15.00	No
	802.11n(HT20)	36	5180	14.22	15.00	No
		44	5220	14.31	15.00	No
		48	5240	14.14	15.00	No
	802.11n(HT40)	38	5190	14.28	15.00	No
		46	5230	14.10	15.00	No
	802.11ac(VHT20)	36	5180	14.08	15.00	No
		44	5220	14.15	15.00	No
		48	5240	14.24	15.00	No
	802.11ac(VHT40)	38	5190	14.34	15.00	Yes
		46	5230	14.20	15.00	No
	802.11ac(VHT80)	42	5210	12.82	14.50	No
	802.11ax(HE20)	36	5180	13.92	15.00	No
		44	5220	14.08	15.00	No
		48	5240	14.05	15.00	No
	802.11ax(HE40)	38	5190	14.26	15.00	No
		46	5230	14.17	15.00	No
	802.11ax(HE80)	42	5210	12.63	14.50	No
5.3 (5.25~5.35)	802.11a	52	5260	14.68	15.00	No
		60	5300	14.48	15.00	No
		64	5320	14.68	15.00	No
	802.11n(HT20)	52	5260	14.35	15.00	No
		60	5300	14.36	15.00	No
		64	5320	14.65	15.00	No
	802.11n(HT40)	54	5270	14.65	15.00	No
		62	5310	14.64	15.00	No
	802.11ac(VHT20)	52	5260	14.42	15.00	No
		60	5300	14.48	15.00	No
		64	5320	14.35	15.00	No
	802.11ac(VHT40)	54	5270	14.60	15.00	No
		62	5310	14.56	15.00	No
	802.11ac(VHT80)	58	5290	14.23	15.00	Yes
	802.11ax(HE20)	52	5260	14.34	15.00	No
		60	5300	14.30	15.00	No

		64	5320	14.35	15.00	No
	802.11ax(HE40)	54	5270	14.56	15.00	No
		62	5310	14.55	15.00	No
	802.11ax(HE80)	58	5290	14.13	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.67	15.00	No
		116	5580	14.32	15.00	No
		140	5700	14.20	15.00	No
	802.11n(HT20)	100	5500	14.37	15.00	No
		116	5580	14.56	15.00	No
		140	5700	14.41	15.00	No
	802.11n(HT40)	102	5510	14.72	15.00	No
		118	5590	14.71	15.00	No
		134	5670	14.56	15.00	No
	802.11ac(VHT20)	100	5500	14.38	15.00	No
		116	5580	14.43	15.00	No
		140	5700	14.69	15.00	No
	802.11ac(VHT40)	102	5510	14.72	15.00	No
		118	5590	14.48	15.00	No
		134	5670	14.56	15.00	No
	802.11ac(VHT80)	106	5530	14.66	15.00	No
		122	5690	14.73	15.00	Yes
	802.11ax(HE20)	100	5500	14.25	15.00	No
		116	5580	14.25	15.00	No
		140	5700	14.57	15.00	No
	802.11ax(HE40)	102	5510	14.63	15.00	No
		118	5590	14.47	15.00	No
		134	5670	14.45	15.00	No
	802.11ax(HE80)	106	5530	14.54	15.00	No
		122	5610	14.59	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	18.45	19.50	No
		157	5785	18.59	19.50	No
		165	5825	18.45	19.50	No
	802.11n(HT20)	149	5745	18.59	19.50	No
		157	5785	18.71	19.50	No
		165	5825	18.60	19.50	No
	802.11n(HT40)	151	5755	18.71	19.50	Yes
		159	5795	18.59	19.50	No
	802.11ac(VHT20)	149	5745	18.62	19.50	No
		157	5785	18.66	19.50	No

		165	5825	18.64	19.50	No
	802.11ac(VHT40)	151	5755	18.21	19.50	No
		159	5795	18.17	19.50	No
	802.11ac(VHT80)	155	5775	17.79	18.50	No
	802.11ax(HE20)	149	5745	18.43	19.50	No
		157	5785	18.60	19.50	No
		165	5825	18.55	19.50	No
	802.11ax(HE40)	151	5755	18.08	19.50	No
		159	5795	18.03	19.50	No
	802.11ax(HE80)	155	5775	17.64	18.50	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	10.00	10.50	No
	802.11ax(HE20)(RU52)			13.17	13.50	No
	802.11ax(HE20)(RU106)			14.57	15.00	No
	802.11ax(HE20)(RU26)	44	5220	9.38	10.50	No
	802.11ax(HE20)(RU52)			12.50	13.50	No
	802.11ax(HE20)(RU106)			13.95	15.00	No
	802.11ax(HE20)(RU26)	48	5240	9.82	10.50	No
	802.11ax(HE20)(RU52)			12.95	13.50	No
	802.11ax(HE20)(RU106)			14.34	15.00	No
	802.11ax(HE40)(RU26)	38	5190	10.20	10.50	No
	802.11ax(HE40)(RU52)			13.29	13.50	No
	802.11ax(HE40)(RU106)			14.78	15.00	No
	802.11ax(HE40)(RU242)			14.52	15.00	No
	802.11ax(HE40)(RU26)	46	5230	10.03	10.50	No
	802.11ax(HE40)(RU52)			13.05	13.50	No
	802.11ax(HE40)(RU106)			14.45	15.00	No
	802.11ax(HE40)(RU242)			14.30	15.00	No
	802.11ax(HE80)(RU26)	42	5210	10.42	10.50	No
	802.11ax(HE80)(RU52)			13.31	13.50	No
	802.11ax(HE80)(RU106)			13.31	15.00	No
	802.11ax(HE80)(RU242)			13.04	15.00	No
	802.11ax(HE80)(RU484)			13.02	15.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	10.35	10.50	No
	802.11ax(HE20)(RU52)			13.45	13.50	No
	802.11ax(HE20)(RU106)			14.86	15.00	No
	802.11ax(HE20)(RU26)	60	5300	9.79	10.50	No
	802.11ax(HE20)(RU52)			12.81	13.50	No
	802.11ax(HE20)(RU106)			14.34	15.00	No
	802.11ax(HE20)(RU26)	64	5320	9.89	10.50	No

	802.11ax(HE20)(RU52)			12.99	13.50	No
	802.11ax(HE20)(RU106)			14.37	15.00	No
	802.11ax(HE40)(RU26)	54	5270	10.05	10.50	No
	802.11ax(HE40)(RU52)			13.15	13.50	No
	802.11ax(HE40)(RU106)			14.58	15.00	No
	802.11ax(HE40)(RU242)			14.84	15.00	No
	802.11ax(HE40)(RU26)	62	5310	10.26	10.50	No
	802.11ax(HE40)(RU52)			13.28	13.50	No
	802.11ax(HE40)(RU106)			14.65	15.00	No
	802.11ax(HE40)(RU242)			14.46	15.00	No
	802.11ax(HE80)(RU26)	58	5290	9.96	10.50	No
	802.11ax(HE80)(RU52)			13.41	13.50	No
	802.11ax(HE80)(RU106)			14.76	15.00	No
	802.11ax(HE80)(RU242)			14.42	15.00	No
	802.11ax(HE80)(RU484)			14.97	15.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	9.51	10.50	No
	802.11ax(HE20)(RU52)			12.60	13.50	No
	802.11ax(HE20)(RU106)			14.14	15.00	No
	802.11ax(HE20)(RU26)	116	5580	9.10	10.50	No
	802.11ax(HE20)(RU52)			12.50	13.50	No
	802.11ax(HE20)(RU106)			13.94	15.00	No
	802.11ax(HE20)(RU26)	140	5700	8.94	10.50	No
	802.11ax(HE20)(RU52)			12.01	13.50	No
	802.11ax(HE20)(RU106)			13.58	15.00	No
	802.11ax(HE40)(RU26)	102	5510	9.87	10.50	No
	802.11ax(HE40)(RU52)			13.07	13.50	No
	802.11ax(HE40)(RU106)			14.45	15.00	No
	802.11ax(HE40)(RU242)			14.41	15.00	No
	802.11ax(HE40)(RU26)	118	5590	9.29	10.50	No
	802.11ax(HE40)(RU52)			12.61	13.50	No
	802.11ax(HE40)(RU106)			14.03	15.00	No
	802.11ax(HE40)(RU242)			13.81	15.00	No
	802.11ax(HE40)(RU26)	134	5670	9.40	10.50	No
	802.11ax(HE40)(RU52)			12.38	13.50	No
	802.11ax(HE40)(RU106)			13.87	15.00	No
	802.11ax(HE40)(RU242)			13.67	15.00	No
	802.11ax(HE80)(RU26)	106	5530	10.14	10.50	No
	802.11ax(HE80)(RU52)			13.27	13.50	No
	802.11ax(HE80)(RU106)			14.71	15.00	No

	802.11ax(HE80)(RU242)			14.60	15.00	No
	802.11ax(HE80)(RU484)			14.57	15.00	No
	802.11ax(HE80)(RU26)	122	5610	10.09	10.50	No
	802.11ax(HE80)(RU52)			13.18	13.50	No
	802.11ax(HE80)(RU106)			14.68	15.00	No
	802.11ax(HE80)(RU242)			14.38	15.00	No
	802.11ax(HE80)(RU484)			14.28	15.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	9.22	10.50	No
	802.11ax(HE20)(RU52)			12.51	13.50	No
	802.11ax(HE20)(RU106)			15.45	16.50	No
	802.11ax(HE20)(RU26)	157	5785	9.14	10.50	No
	802.11ax(HE20)(RU52)			12.11	13.50	No
	802.11ax(HE20)(RU106)			15.14	16.50	No
	802.11ax(HE20)(RU26)	165	5825	9.37	10.50	No
	802.11ax(HE20)(RU52)			12.51	13.50	No
	802.11ax(HE20)(RU106)			15.47	16.50	No
	802.11ax(HE40)(RU26)	151	5755	9.41	10.50	No
	802.11ax(HE40)(RU52)			12.51	13.50	No
	802.11ax(HE40)(RU106)			14.54	16.50	No
	802.11ax(HE40)(RU242)			18.38	19.50	No
	802.11ax(HE40)(RU26)	159	5795	9.86	10.50	No
	802.11ax(HE40)(RU52)			12.77	13.50	No
	802.11ax(HE40)(RU106)			15.74	16.50	No
	802.11ax(HE40)(RU242)			18.59	19.50	No
	802.11ax(HE80)(RU26)	155	5775	9.78	10.50	No
	802.11ax(HE80)(RU52)			12.59	13.50	No
	802.11ax(HE80)(RU106)			15.54	16.50	No
	802.11ax(HE80)(RU242)			18.26	19.50	No
	802.11ax(HE80)(RU484)			18.21	19.50	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.

8.6.22 5G WIFI LEVEL 1 ANT 8

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.25	14.00	No
		44	5220	13.31	14.00	No
		48	5240	13.21	14.00	No
	802.11n(HT20)	36	5180	13.22	14.00	No
		44	5220	13.23	14.00	No
		48	5240	13.23	14.00	No
	802.11n(HT40)	38	5190	13.30	14.00	No
		46	5230	13.16	14.00	No
	802.11ac(VHT20)	36	5180	13.07	14.00	No
		44	5220	13.33	14.00	No
		48	5240	13.16	14.00	No
	802.11ac(VHT40)	38	5190	13.08	14.00	No
		46	5230	13.21	14.00	No
	802.11ac(VHT80)	42	5210	12.82	14.00	Yes
	802.11ax(HE20)	36	5180	12.91	14.00	No
		44	5220	13.27	14.00	No
		48	5240	13.09	14.00	No
	802.11ax(HE40)	38	5190	13.08	14.00	No
		46	5230	13.04	14.00	No
	802.11ax(HE80)	42	5210	12.63	14.00	No
5.3 (5.25~5.35)	802.11a	52	5260	13.82	14.00	No
		60	5300	13.86	14.00	No
		64	5320	13.92	14.00	No
	802.11n(HT20)	52	5260	13.32	14.00	No
		60	5300	13.08	14.00	No
		64	5320	13.13	14.00	No
	802.11n(HT40)	54	5270	13.13	14.00	No
		62	5310	13.06	14.00	No
	802.11ac(VHT20)	52	5260	13.12	14.00	No
		60	5300	13.19	14.00	No
		64	5320	13.33	14.00	No
	802.11ac(VHT40)	54	5270	13.22	14.00	No
		62	5310	13.06	14.00	No
	802.11ac(VHT80)	58	5290	13.82	14.00	Yes
	802.11ax(HE20)	52	5260	13.01	14.00	No
		60	5300	13.15	14.00	No

		64	5320	13.17	14.00	No
	802.11ax(HE40)	54	5270	13.20	14.00	No
		62	5310	12.92	14.00	No
	802.11ax(HE80)	58	5290	13.79	14.00	No
5.6 (5.47~5.725)	802.11a	100	5500	13.87	14.00	No
		116	5580	13.58	14.00	No
		140	5700	13.50	14.00	No
	802.11n(HT20)	100	5500	13.14	14.00	No
		116	5580	13.17	14.00	No
		140	5700	13.30	14.00	No
	802.11n(HT40)	102	5510	13.26	14.00	No
		118	5590	13.19	14.00	No
		134	5670	13.30	14.00	No
	802.11ac(VHT20)	100	5500	13.31	14.00	No
		116	5580	13.27	14.00	No
		140	5700	13.22	14.00	No
	802.11ac(VHT40)	102	5510	13.22	14.00	No
		118	5590	13.13	14.00	No
		134	5670	13.12	14.00	No
	802.11ac(VHT80)	106	5530	13.61	14.00	No
		122	5690	13.74	14.00	Yes
	802.11ax(HE20)	100	5500	13.19	14.00	No
		116	5580	13.22	14.00	No
		140	5700	13.06	14.00	No
	802.11ax(HE40)	102	5510	13.12	14.00	No
		118	5590	13.02	14.00	No
		134	5670	12.95	14.00	No
	802.11ax(HE80)	106	5530	13.59	14.00	No
		122	5610	13.73	14.00	No
5.8 (5.725~5.850)	802.11a	149	5745	12.02	13.00	No
		157	5785	12.03	13.00	No
		165	5825	12.01	13.00	No
	802.11n(HT20)	149	5745	12.18	13.00	No
		157	5785	12.05	13.00	No
		165	5825	12.12	13.00	No
	802.11n(HT40)	151	5755	12.13	13.00	Yes
		159	5795	12.09	13.00	No
	802.11ac(VHT20)	149	5745	12.29	13.00	No
		157	5785	12.35	13.00	No

		165	5825	12.18	13.00	No
	802.11ac(VHT40)	151	5755	12.20	13.00	No
		159	5795	12.20	13.00	No
	802.11ac(VHT80)	155	5775	11.25	12.00	No
	802.11ax(HE20)	149	5745	12.16	13.00	No
		157	5785	12.33	13.00	No
		165	5825	12.12	13.00	No
	802.11ax(HE40)	151	5755	12.13	13.00	No
		159	5795	12.05	13.00	No
	802.11ax(HE80)	155	5775	11.10	12.00	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	8.19	9.50	No
	802.11ax(HE20)(RU52)			11.58	12.50	No
	802.11ax(HE20)(RU106)			12.87	14.00	No
	802.11ax(HE20)(RU26)	44	5220	8.17	9.50	No
	802.11ax(HE20)(RU52)			11.46	12.50	No
	802.11ax(HE20)(RU106)			12.87	14.00	No
	802.11ax(HE20)(RU26)	48	5240	8.36	9.50	No
	802.11ax(HE20)(RU52)			11.49	12.50	No
	802.11ax(HE20)(RU106)			12.71	14.00	No
	802.11ax(HE40)(RU26)	38	5190	8.49	9.50	No
	802.11ax(HE40)(RU52)			11.13	12.50	No
	802.11ax(HE40)(RU106)			12.99	14.00	No
	802.11ax(HE40)(RU242)			12.88	14.00	No
	802.11ax(HE40)(RU26)	46	5230	8.12	9.50	No
	802.11ax(HE40)(RU52)			11.39	12.50	No
	802.11ax(HE40)(RU106)			12.78	14.00	No
	802.11ax(HE40)(RU242)			12.66	14.00	No
	802.11ax(HE80)(RU26)	42	5210	8.43	9.50	No
	802.11ax(HE80)(RU52)			11.32	12.50	No
	802.11ax(HE80)(RU106)			12.97	14.00	No
	802.11ax(HE80)(RU242)			12.98	14.00	No
	802.11ax(HE80)(RU484)			12.71	14.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	8.24	9.50	No
	802.11ax(HE20)(RU52)			11.22	12.50	No
	802.11ax(HE20)(RU106)			12.65	14.00	No
	802.11ax(HE20)(RU26)	60	5300	8.35	9.50	No
	802.11ax(HE20)(RU52)			11.19	12.50	No
	802.11ax(HE20)(RU106)			12.67	14.00	No
	802.11ax(HE20)(RU26)	64	5320	8.20	9.50	No

	802.11ax(HE20)(RU52)			11.12	12.50	No
	802.11ax(HE20)(RU106)			12.88	14.00	No
	802.11ax(HE40)(RU26)	54	5270	8.17	9.50	No
	802.11ax(HE40)(RU52)			11.47	12.50	No
	802.11ax(HE40)(RU106)			12.88	14.00	No
	802.11ax(HE40)(RU242)			12.63	14.00	No
	802.11ax(HE40)(RU26)	62	5310	8.55	9.50	No
	802.11ax(HE40)(RU52)			11.42	12.50	No
	802.11ax(HE40)(RU106)			13.07	14.00	No
	802.11ax(HE40)(RU242)			12.66	14.00	No
	802.11ax(HE80)(RU26)	58	5290	8.57	9.50	No
	802.11ax(HE80)(RU52)			11.35	12.50	No
	802.11ax(HE80)(RU106)			12.74	14.00	No
	802.11ax(HE80)(RU242)			12.63	14.00	No
	802.11ax(HE80)(RU484)			13.03	14.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	8.21	9.50	No
	802.11ax(HE20)(RU52)			11.29	12.50	No
	802.11ax(HE20)(RU106)			12.63	14.00	No
	802.11ax(HE20)(RU26)	116	5580	8.54	9.50	No
	802.11ax(HE20)(RU52)			11.46	12.50	No
	802.11ax(HE20)(RU106)			12.80	14.00	No
	802.11ax(HE20)(RU26)	140	5700	8.54	9.50	No
	802.11ax(HE20)(RU52)			11.37	12.50	No
	802.11ax(HE20)(RU106)			13.03	14.00	No
	802.11ax(HE40)(RU26)	102	5510	8.23	9.50	No
	802.11ax(HE40)(RU52)			11.35	12.50	No
	802.11ax(HE40)(RU106)			12.86	14.00	No
	802.11ax(HE40)(RU242)			12.65	14.00	No
	802.11ax(HE40)(RU26)	118	5590	8.54	9.50	No
	802.11ax(HE40)(RU52)			11.56	12.50	No
	802.11ax(HE40)(RU106)			12.75	14.00	No
	802.11ax(HE40)(RU242)			12.92	14.00	No
	802.11ax(HE40)(RU26)	134	5670	8.28	9.50	No
	802.11ax(HE40)(RU52)			11.29	12.50	No
	802.11ax(HE40)(RU106)			12.63	14.00	No
	802.11ax(HE40)(RU242)			12.95	14.00	No
	802.11ax(HE80)(RU26)	106	5530	8.33	9.50	No
	802.11ax(HE80)(RU52)			11.52	12.50	No
	802.11ax(HE80)(RU106)			12.92	14.00	No

	802.11ax(HE80)(RU242)			12.76	14.00	No
	802.11ax(HE80)(RU484)			12.93	14.00	No
	802.11ax(HE80)(RU26)	122	5610	8.14	9.50	No
	802.11ax(HE80)(RU52)			11.50	12.50	No
	802.11ax(HE80)(RU106)			12.81	14.00	No
	802.11ax(HE80)(RU242)			12.64	14.00	No
	802.11ax(HE80)(RU484)			12.68	14.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	2.75	4.00	No
	802.11ax(HE20)(RU52)			5.68	7.00	No
	802.11ax(HE20)(RU106)			8.68	10.00	No
	802.11ax(HE20)(RU26)	157	5785	3.07	4.00	No
	802.11ax(HE20)(RU52)			6.02	7.00	No
	802.11ax(HE20)(RU106)			8.79	10.00	No
	802.11ax(HE20)(RU26)	165	5825	2.62	4.00	No
	802.11ax(HE20)(RU52)			5.89	7.00	No
	802.11ax(HE20)(RU106)			9.07	10.00	No
	802.11ax(HE40)(RU26)	151	5755	2.97	4.00	No
	802.11ax(HE40)(RU52)			5.69	7.00	No
	802.11ax(HE40)(RU106)			8.89	10.00	No
	802.11ax(HE40)(RU242)			11.69	13.00	No
	802.11ax(HE40)(RU26)	159	5795	2.69	4.00	No
	802.11ax(HE40)(RU52)			5.77	7.00	No
	802.11ax(HE40)(RU106)			8.76	10.00	No
	802.11ax(HE40)(RU242)			12.08	13.00	No
	802.11ax(HE80)(RU26)	155	5775	2.82	4.00	No
	802.11ax(HE80)(RU52)			5.82	7.00	No
	802.11ax(HE80)(RU106)			8.70	10.00	No
	802.11ax(HE80)(RU242)			11.84	13.00	No
	802.11ax(HE80)(RU484)			11.63	13.00	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.

8.6.23 5G WIFI LEVEL 2&3 ANT 8

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	8.41	9.00	No
		44	5220	8.45	9.00	No
		48	5240	8.37	9.00	No
	802.11n(HT20)	36	5180	8.17	9.00	No
		44	5220	8.18	9.00	No
		48	5240	8.05	9.00	No
	802.11n(HT40)	38	5190	8.31	9.00	No
		46	5230	8.27	9.00	No
	802.11ac(VHT20)	36	5180	8.20	9.00	No
		44	5220	8.26	9.00	No
		48	5240	8.20	9.00	No
	802.11ac(VHT40)	38	5190	8.15	9.00	No
		46	5230	8.10	9.00	No
	802.11ac(VHT80)	42	5210	8.56	9.00	Yes
	802.11ax(HE20)	36	5180	8.19	9.00	No
		44	5220	8.08	9.00	No
		48	5240	8.17	9.00	No
	802.11ax(HE40)	38	5190	8.11	9.00	No
		46	5230	7.99	9.00	No
	802.11ax(HE80)	42	5210	8.50	9.00	No
5.3 (5.25~5.35)	802.11a	52	5260	8.91	9.00	No
		60	5300	8.94	9.00	No
		64	5320	8.79	9.00	No
	802.11n(HT20)	52	5260	8.33	9.00	No
		60	5300	8.09	9.00	No
		64	5320	8.24	9.00	No
	802.11n(HT40)	54	5270	8.28	9.00	No
		62	5310	8.26	9.00	No
	802.11ac(VHT20)	52	5260	8.34	9.00	No
		60	5300	8.21	9.00	No
		64	5320	8.05	9.00	No
	802.11ac(VHT40)	54	5270	8.26	9.00	No
		62	5310	8.16	9.00	No
	802.11ac(VHT80)	58	5290	8.76	9.00	Yes
	802.11ax(HE20)	52	5260	8.15	9.00	No
		60	5300	8.16	9.00	No

		64	5320	8.02	9.00	No
	802.11ax(HE40)	54	5270	8.19	9.00	No
		62	5310	8.05	9.00	No
	802.11ax(HE80)	58	5290	8.74	9.00	No
5.6 (5.47~5.725)	802.11a	100	5500	8.68	9.00	No
		116	5580	8.81	9.00	No
		140	5700	8.67	9.00	No
	802.11n(HT20)	100	5500	8.24	9.00	No
		116	5580	8.30	9.00	No
		140	5700	8.19	9.00	No
	802.11n(HT40)	102	5510	8.07	9.00	No
		118	5590	8.15	9.00	No
		134	5670	8.32	9.00	No
	802.11ac(VHT20)	100	5500	8.25	9.00	No
		116	5580	8.22	9.00	No
		140	5700	8.29	9.00	No
	802.11ac(VHT40)	102	5510	8.11	9.00	No
		118	5590	8.09	9.00	No
		134	5670	8.33	9.00	No
	802.11ac(VHT80)	106	5530	8.28	9.00	No
		122	5690	8.48	9.00	Yes
	802.11ax(HE20)	100	5500	8.20	9.00	No
		116	5580	8.17	9.00	No
		140	5700	8.17	9.00	No
	802.11ax(HE40)	102	5510	8.01	9.00	No
		118	5590	7.96	9.00	No
		134	5670	8.29	9.00	No
	802.11ax(HE80)	106	5530	8.21	9.00	No
		122	5610	8.37	9.00	No
5.8 (5.725~5.850)	802.11a	149	5745	7.51	8.50	No
		157	5785	7.52	8.50	No
		165	5825	7.31	8.50	No
	802.11n(HT20)	149	5745	7.83	8.50	No
		157	5785	7.57	8.50	No
		165	5825	7.75	8.50	No
	802.11n(HT40)	151	5755	7.63	8.50	Yes
		159	5795	7.55	8.50	No
	802.11ac(VHT20)	149	5745	7.80	8.50	No
		157	5785	7.77	8.50	No

		165	5825	7.63	8.50	No
	802.11ac(VHT40)	151	5755	7.60	8.50	No
		159	5795	7.77	8.50	No
	802.11ac(VHT80)	155	5775	6.61	7.50	No
	802.11ax(HE20)	149	5745	7.68	8.50	No
		157	5785	7.61	8.50	No
		165	5825	7.55	8.50	No
	802.11ax(HE40)	151	5755	7.50	8.50	No
		159	5795	7.72	8.50	No
	802.11ax(HE80)	155	5775	6.61	7.50	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	3.18	4.50	No
	802.11ax(HE20)(RU52)			6.07	7.50	No
	802.11ax(HE20)(RU106)			7.78	9.00	No
	802.11ax(HE20)(RU26)	44	5220	2.88	4.50	No
	802.11ax(HE20)(RU52)			6.27	7.50	No
	802.11ax(HE20)(RU106)			7.55	9.00	No
	802.11ax(HE20)(RU26)	48	5240	3.06	4.50	No
	802.11ax(HE20)(RU52)			5.92	7.50	No
	802.11ax(HE20)(RU106)			7.43	9.00	No
	802.11ax(HE40)(RU26)	38	5190	3.16	4.50	No
	802.11ax(HE40)(RU52)			6.19	7.50	No
	802.11ax(HE40)(RU106)			7.58	9.00	No
	802.11ax(HE40)(RU242)			7.62	9.00	No
	802.11ax(HE40)(RU26)	46	5230	3.26	4.50	No
	802.11ax(HE40)(RU52)			6.17	7.50	No
	802.11ax(HE40)(RU106)			7.45	9.00	No
	802.11ax(HE40)(RU242)			7.36	9.00	No
	802.11ax(HE80)(RU26)	42	5210	2.92	4.50	No
	802.11ax(HE80)(RU52)			6.06	7.50	No
	802.11ax(HE80)(RU106)			7.62	9.00	No
	802.11ax(HE80)(RU242)			7.58	9.00	No
	802.11ax(HE80)(RU484)			7.52	9.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	2.91	4.50	No
	802.11ax(HE20)(RU52)			6.16	7.50	No
	802.11ax(HE20)(RU106)			7.67	9.00	No
	802.11ax(HE20)(RU26)	60	5300	3.13	4.50	No
	802.11ax(HE20)(RU52)			6.10	7.50	No
	802.11ax(HE20)(RU106)			7.65	9.00	No
	802.11ax(HE20)(RU26)	64	5320	3.18	4.50	No

	802.11ax(HE20)(RU52)			6.03	7.50	No
	802.11ax(HE20)(RU106)			7.41	9.00	No
	802.11ax(HE40)(RU26)	54	5270	2.92	4.50	No
	802.11ax(HE40)(RU52)			6.17	7.50	No
	802.11ax(HE40)(RU106)			7.58	9.00	No
	802.11ax(HE40)(RU242)			7.43	9.00	No
	802.11ax(HE40)(RU26)	62	5310	3.14	4.50	No
	802.11ax(HE40)(RU52)			6.04	7.50	No
	802.11ax(HE40)(RU106)			7.71	9.00	No
	802.11ax(HE40)(RU242)			7.59	9.00	No
	802.11ax(HE80)(RU26)	58	5290	2.88	4.50	No
	802.11ax(HE80)(RU52)			6.28	7.50	No
	802.11ax(HE80)(RU106)			7.75	9.00	No
	802.11ax(HE80)(RU242)			7.70	9.00	No
	802.11ax(HE80)(RU484)			7.62	9.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	3.03	4.50	No
	802.11ax(HE20)(RU52)			6.18	7.50	No
	802.11ax(HE20)(RU106)			7.67	9.00	No
	802.11ax(HE20)(RU26)	116	5580	3.05	4.50	No
	802.11ax(HE20)(RU52)			6.18	7.50	No
	802.11ax(HE20)(RU106)			7.59	9.00	No
	802.11ax(HE20)(RU26)	140	5700	3.23	4.50	No
	802.11ax(HE20)(RU52)			5.89	7.50	No
	802.11ax(HE20)(RU106)			7.78	9.00	No
	802.11ax(HE40)(RU26)	102	5510	3.03	4.50	No
	802.11ax(HE40)(RU52)			5.99	7.50	No
	802.11ax(HE40)(RU106)			7.74	9.00	No
	802.11ax(HE40)(RU242)			7.57	9.00	No
	802.11ax(HE40)(RU26)	118	5590	2.91	4.50	No
	802.11ax(HE40)(RU52)			6.26	7.50	No
	802.11ax(HE40)(RU106)			7.69	9.00	No
	802.11ax(HE40)(RU242)			7.49	9.00	No
	802.11ax(HE40)(RU26)	134	5670	3.18	4.50	No
	802.11ax(HE40)(RU52)			6.05	7.50	No
	802.11ax(HE40)(RU106)			7.62	9.00	No
	802.11ax(HE40)(RU242)			7.38	9.00	No
	802.11ax(HE80)(RU26)	106	5530	3.12	4.50	No
	802.11ax(HE80)(RU52)			6.02	7.50	No
	802.11ax(HE80)(RU106)			7.78	9.00	No

	802.11ax(HE80)(RU242)			7.55	9.00	No
	802.11ax(HE80)(RU484)			7.76	9.00	No
	802.11ax(HE80)(RU26)	122	5610	3.01	4.50	No
	802.11ax(HE80)(RU52)			6.07	7.50	No
	802.11ax(HE80)(RU106)			7.65	9.00	No
	802.11ax(HE80)(RU242)			7.48	9.00	No
	802.11ax(HE80)(RU484)			7.63	9.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	-2.11	-0.50	No
	802.11ax(HE20)(RU52)			1.18	2.50	No
	802.11ax(HE20)(RU106)			4.10	5.50	No
	802.11ax(HE20)(RU26)	157	5785	-1.82	-0.50	No
	802.11ax(HE20)(RU52)			1.03	2.50	No
	802.11ax(HE20)(RU106)			3.87	5.50	No
	802.11ax(HE20)(RU26)	165	5825	-2.14	-0.50	No
	802.11ax(HE20)(RU52)			1.13	2.50	No
	802.11ax(HE20)(RU106)			4.06	5.50	No
	802.11ax(HE40)(RU26)	151	5755	-1.95	-0.50	No
	802.11ax(HE40)(RU52)			0.84	2.50	No
	802.11ax(HE40)(RU106)			4.16	5.50	No
	802.11ax(HE40)(RU242)			7.20	8.50	No
	802.11ax(HE40)(RU26)	159	5795	-2.18	-0.50	No
	802.11ax(HE40)(RU52)			1.04	2.50	No
	802.11ax(HE40)(RU106)			3.88	5.50	No
	802.11ax(HE40)(RU242)			7.08	8.50	No
	802.11ax(HE80)(RU26)	155	5775	-1.86	-0.50	No
	802.11ax(HE80)(RU52)			1.00	2.50	No
	802.11ax(HE80)(RU106)			3.87	5.50	No
	802.11ax(HE80)(RU242)			6.83	8.50	No
	802.11ax(HE80)(RU484)			7.04	8.50	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.

8.6.24 5G WIFI LEVEL 4 ANT 8

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.45	15.00	No
		44	5220	14.38	15.00	No
		48	5240	14.36	15.00	No
	802.11n(HT20)	36	5180	14.22	15.00	No
		44	5220	14.31	15.00	No
		48	5240	14.14	15.00	No
	802.11n(HT40)	38	5190	14.28	15.00	Yes
		46	5230	14.10	15.00	No
	802.11ac(VHT20)	36	5180	14.08	15.00	No
		44	5220	14.15	15.00	No
		48	5240	14.24	15.00	No
	802.11ac(VHT40)	38	5190	14.34	15.00	No
		46	5230	14.20	15.00	No
	802.11ac(VHT80)	42	5210	12.82	14.50	No
	802.11ax(HE20)	36	5180	13.92	15.00	No
		44	5220	14.08	15.00	No
		48	5240	14.05	15.00	No
	802.11ax(HE40)	38	5190	14.26	15.00	No
		46	5230	14.17	15.00	No
	802.11ax(HE80)	42	5210	12.63	14.50	No
5.3 (5.25~5.35)	802.11a	52	5260	14.68	15.00	No
		60	5300	14.48	15.00	No
		64	5320	14.68	15.00	No
	802.11n(HT20)	52	5260	14.35	15.00	No
		60	5300	14.36	15.00	No
		64	5320	14.65	15.00	No
	802.11n(HT40)	54	5270	14.65	15.00	No
		62	5310	14.64	15.00	No
	802.11ac(VHT20)	52	5260	14.42	15.00	No
		60	5300	14.48	15.00	No
		64	5320	14.35	15.00	No
	802.11ac(VHT40)	54	5270	14.60	15.00	No
		62	5310	14.56	15.00	No
	802.11ac(VHT80)	58	5290	14.23	15.00	Yes
	802.11ax(HE20)	52	5260	14.34	15.00	No
		60	5300	14.30	15.00	No

		64	5320	14.35	15.00	No
	802.11ax(HE40)	54	5270	14.56	15.00	No
		62	5310	14.55	15.00	No
	802.11ax(HE80)	58	5290	14.13	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.67	15.00	No
		116	5580	14.32	15.00	No
		140	5700	14.20	15.00	No
	802.11n(HT20)	100	5500	14.37	15.00	No
		116	5580	14.56	15.00	No
		140	5700	14.41	15.00	No
	802.11n(HT40)	102	5510	14.72	15.00	No
		118	5590	14.71	15.00	No
		134	5670	14.56	15.00	No
	802.11ac(VHT20)	100	5500	14.38	15.00	No
		116	5580	14.43	15.00	No
		140	5700	14.69	15.00	No
	802.11ac(VHT40)	102	5510	14.72	15.00	No
		118	5590	14.48	15.00	No
		134	5670	14.56	15.00	No
	802.11ac(VHT80)	106	5530	14.66	15.00	No
		122	5690	14.73	15.00	Yes
	802.11ax(HE20)	100	5500	14.25	15.00	No
		116	5580	14.25	15.00	No
		140	5700	14.57	15.00	No
	802.11ax(HE40)	102	5510	14.63	15.00	No
		118	5590	14.47	15.00	No
		134	5670	14.45	15.00	No
	802.11ax(HE80)	106	5530	14.54	15.00	No
		122	5610	14.59	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	18.45	19.50	No
		157	5785	18.59	19.50	No
		165	5825	18.45	19.50	No
	802.11n(HT20)	149	5745	18.59	19.50	No
		157	5785	18.71	19.50	No
		165	5825	18.60	19.50	No
	802.11n(HT40)	151	5755	18.71	19.50	Yes
		159	5795	18.59	19.50	No
	802.11ac(VHT20)	149	5745	18.62	19.50	No
		157	5785	18.66	19.50	No

		165	5825	18.64	19.50	No
	802.11ac(VHT40)	151	5755	18.21	19.50	No
		159	5795	18.17	19.50	No
	802.11ac(VHT80)	155	5775	17.79	18.50	No
	802.11ax(HE20)	149	5745	18.43	19.50	No
		157	5785	18.60	19.50	No
		165	5825	18.55	19.50	No
	802.11ax(HE40)	151	5755	18.08	19.50	No
		159	5795	18.03	19.50	No
	802.11ax(HE80)	155	5775	17.64	18.50	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	10.00	10.50	No
	802.11ax(HE20)(RU52)			13.17	13.50	No
	802.11ax(HE20)(RU106)			14.57	15.00	No
	802.11ax(HE20)(RU26)	44	5220	9.38	10.50	No
	802.11ax(HE20)(RU52)			12.50	13.50	No
	802.11ax(HE20)(RU106)			13.95	15.00	No
	802.11ax(HE20)(RU26)	48	5240	9.82	10.50	No
	802.11ax(HE20)(RU52)			12.95	13.50	No
	802.11ax(HE20)(RU106)			14.34	15.00	No
	802.11ax(HE40)(RU26)	38	5190	10.20	10.50	No
	802.11ax(HE40)(RU52)			13.29	13.50	No
	802.11ax(HE40)(RU106)			14.78	15.00	No
	802.11ax(HE40)(RU242)			14.52	15.00	No
	802.11ax(HE40)(RU26)	46	5230	10.03	10.50	No
	802.11ax(HE40)(RU52)			13.05	13.50	No
	802.11ax(HE40)(RU106)			14.45	15.00	No
	802.11ax(HE40)(RU242)			14.30	15.00	No
	802.11ax(HE80)(RU26)	42	5210	10.42	10.50	No
	802.11ax(HE80)(RU52)			13.31	13.50	No
	802.11ax(HE80)(RU106)			13.31	15.00	No
	802.11ax(HE80)(RU242)			13.04	15.00	No
	802.11ax(HE80)(RU484)			13.02	15.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	10.35	10.50	No
	802.11ax(HE20)(RU52)			13.45	13.50	No
	802.11ax(HE20)(RU106)			14.86	15.00	No
	802.11ax(HE20)(RU26)	60	5300	9.79	10.50	No
	802.11ax(HE20)(RU52)			12.81	13.50	No
	802.11ax(HE20)(RU106)			14.34	15.00	No
	802.11ax(HE20)(RU26)	64	5320	9.89	10.50	No

	802.11ax(HE20)(RU52)			12.99	13.50	No
	802.11ax(HE20)(RU106)			14.37	15.00	No
	802.11ax(HE40)(RU26)	54	5270	10.05	10.50	No
	802.11ax(HE40)(RU52)			13.15	13.50	No
	802.11ax(HE40)(RU106)			14.58	15.00	No
	802.11ax(HE40)(RU242)			14.84	15.00	No
	802.11ax(HE40)(RU26)	62	5310	10.26	10.50	No
	802.11ax(HE40)(RU52)			13.28	13.50	No
	802.11ax(HE40)(RU106)			14.65	15.00	No
	802.11ax(HE40)(RU242)			14.46	15.00	No
	802.11ax(HE80)(RU26)	58	5290	9.96	10.50	No
	802.11ax(HE80)(RU52)			13.41	13.50	No
	802.11ax(HE80)(RU106)			14.76	15.00	No
	802.11ax(HE80)(RU242)			14.42	15.00	No
	802.11ax(HE80)(RU484)			14.97	15.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	9.51	10.50	No
	802.11ax(HE20)(RU52)			12.60	13.50	No
	802.11ax(HE20)(RU106)			14.14	15.00	No
	802.11ax(HE20)(RU26)	116	5580	9.10	10.50	No
	802.11ax(HE20)(RU52)			12.50	13.50	No
	802.11ax(HE20)(RU106)			13.94	15.00	No
	802.11ax(HE20)(RU26)	140	5700	8.94	10.50	No
	802.11ax(HE20)(RU52)			12.01	13.50	No
	802.11ax(HE20)(RU106)			13.58	15.00	No
	802.11ax(HE40)(RU26)	102	5510	9.87	10.50	No
	802.11ax(HE40)(RU52)			13.07	13.50	No
	802.11ax(HE40)(RU106)			14.45	15.00	No
	802.11ax(HE40)(RU242)			14.41	15.00	No
	802.11ax(HE40)(RU26)	118	5590	9.29	10.50	No
	802.11ax(HE40)(RU52)			12.61	13.50	No
	802.11ax(HE40)(RU106)			14.03	15.00	No
	802.11ax(HE40)(RU242)			13.81	15.00	No
	802.11ax(HE40)(RU26)	134	5670	9.40	10.50	No
	802.11ax(HE40)(RU52)			12.38	13.50	No
	802.11ax(HE40)(RU106)			13.87	15.00	No
	802.11ax(HE40)(RU242)			13.67	15.00	No
	802.11ax(HE80)(RU26)	106	5530	10.14	10.50	No
	802.11ax(HE80)(RU52)			13.27	13.50	No
	802.11ax(HE80)(RU106)			14.71	15.00	No

	802.11ax(HE80)(RU242)			14.60	15.00	No
	802.11ax(HE80)(RU484)			14.57	15.00	No
	802.11ax(HE80)(RU26)	122	5610	10.09	10.50	No
	802.11ax(HE80)(RU52)			13.18	13.50	No
	802.11ax(HE80)(RU106)			14.68	15.00	No
	802.11ax(HE80)(RU242)			14.38	15.00	No
	802.11ax(HE80)(RU484)			14.28	15.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	9.22	10.50	No
	802.11ax(HE20)(RU52)			12.51	13.50	No
	802.11ax(HE20)(RU106)			15.45	16.50	No
	802.11ax(HE20)(RU26)	157	5785	9.14	10.50	No
	802.11ax(HE20)(RU52)			12.11	13.50	No
	802.11ax(HE20)(RU106)			15.14	16.50	No
	802.11ax(HE20)(RU26)	165	5825	9.37	10.50	No
	802.11ax(HE20)(RU52)			12.51	13.50	No
	802.11ax(HE20)(RU106)			15.47	16.50	No
	802.11ax(HE40)(RU26)	151	5755	9.41	10.50	No
	802.11ax(HE40)(RU52)			12.51	13.50	No
	802.11ax(HE40)(RU106)			14.54	16.50	No
	802.11ax(HE40)(RU242)			18.38	19.50	No
	802.11ax(HE40)(RU26)	159	5795	9.86	10.50	No
	802.11ax(HE40)(RU52)			12.77	13.50	No
	802.11ax(HE40)(RU106)			15.74	16.50	No
	802.11ax(HE40)(RU242)			18.59	19.50	No
	802.11ax(HE80)(RU26)	155	5775	9.78	10.50	No
	802.11ax(HE80)(RU52)			12.59	13.50	No
	802.11ax(HE80)(RU106)			15.54	16.50	No
	802.11ax(HE80)(RU242)			18.26	19.50	No
	802.11ax(HE80)(RU484)			18.21	19.50	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.

8.6.25 5G WIFI LEVEL 5&6 ANT 8

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.45	15.00	No
		44	5220	14.38	15.00	No
		48	5240	14.36	15.00	No
	802.11n(HT20)	36	5180	14.22	15.00	No
		44	5220	14.31	15.00	No
		48	5240	14.14	15.00	No
	802.11n(HT40)	38	5190	14.28	15.00	Yes
		46	5230	14.10	15.00	No
	802.11ac(VHT20)	36	5180	14.08	15.00	No
		44	5220	14.15	15.00	No
		48	5240	14.24	15.00	No
	802.11ac(VHT40)	38	5190	14.34	15.00	No
		46	5230	14.20	15.00	No
	802.11ac(VHT80)	42	5210	12.82	14.50	No
	802.11ax(HE20)	36	5180	13.92	15.00	No
		44	5220	14.08	15.00	No
		48	5240	14.05	15.00	No
	802.11ax(HE40)	38	5190	14.26	15.00	No
		46	5230	14.17	15.00	No
	802.11ax(HE80)	42	5210	12.63	14.50	No
5.3 (5.25~5.35)	802.11a	52	5260	14.68	15.00	No
		60	5300	14.48	15.00	No
		64	5320	14.68	15.00	No
	802.11n(HT20)	52	5260	14.35	15.00	No
		60	5300	14.36	15.00	No
		64	5320	14.65	15.00	No
	802.11n(HT40)	54	5270	14.65	15.00	No
		62	5310	14.64	15.00	No
	802.11ac(VHT20)	52	5260	14.42	15.00	No
		60	5300	14.48	15.00	No
		64	5320	14.35	15.00	No
	802.11ac(VHT40)	54	5270	14.60	15.00	No
		62	5310	14.56	15.00	No
	802.11ac(VHT80)	58	5290	14.23	15.00	Yes
	802.11ax(HE20)	52	5260	14.34	15.00	No
		60	5300	14.30	15.00	No

		64	5320	14.35	15.00	No
	802.11ax(HE40)	54	5270	14.56	15.00	No
		62	5310	14.55	15.00	No
	802.11ax(HE80)	58	5290	14.13	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.67	15.00	No
		116	5580	14.32	15.00	No
		140	5700	14.20	15.00	No
	802.11n(HT20)	100	5500	14.37	15.00	No
		116	5580	14.56	15.00	No
		140	5700	14.41	15.00	No
	802.11n(HT40)	102	5510	14.72	15.00	No
		118	5590	14.71	15.00	No
		134	5670	14.56	15.00	No
	802.11ac(VHT20)	100	5500	14.38	15.00	No
		116	5580	14.43	15.00	No
		140	5700	14.69	15.00	No
	802.11ac(VHT40)	102	5510	14.72	15.00	No
		118	5590	14.48	15.00	No
		134	5670	14.56	15.00	No
	802.11ac(VHT80)	106	5530	14.66	15.00	No
		122	5690	14.73	15.00	Yes
	802.11ax(HE20)	100	5500	14.25	15.00	No
		116	5580	14.25	15.00	No
		140	5700	14.57	15.00	No
	802.11ax(HE40)	102	5510	14.63	15.00	No
		118	5590	14.47	15.00	No
		134	5670	14.45	15.00	No
	802.11ax(HE80)	106	5530	14.54	15.00	No
		122	5610	14.59	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	16.12	17.00	No
		157	5785	16.21	17.00	No
		165	5825	16.08	17.00	No
	802.11n(HT20)	149	5745	16.19	17.00	No
		157	5785	16.17	17.00	No
		165	5825	16.10	17.00	No
	802.11n(HT40)	151	5755	16.33	17.00	Yes
		159	5795	16.29	17.00	No
	802.11ac(VHT20)	149	5745	16.28	17.00	No
		157	5785	16.30	17.00	No

		165	5825	16.18	17.00	No
	802.11ac(VHT40)	151	5755	16.10	17.00	No
		159	5795	16.13	17.00	No
	802.11ac(VHT80)	155	5775	15.16	16.00	No
	802.11ax(HE20)	149	5745	16.24	17.00	No
		157	5785	16.12	17.00	No
		165	5825	16.10	17.00	No
	802.11ax(HE40)	151	5755	16.02	17.00	No
		159	5795	16.04	17.00	No
	802.11ax(HE80)	155	5775	14.99	16.00	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	10.00	10.50	No
	802.11ax(HE20)(RU52)			13.17	13.50	No
	802.11ax(HE20)(RU106)			14.57	15.00	No
	802.11ax(HE20)(RU26)	44	5220	9.38	10.50	No
	802.11ax(HE20)(RU52)			12.50	13.50	No
	802.11ax(HE20)(RU106)			13.95	15.00	No
	802.11ax(HE20)(RU26)	48	5240	9.82	10.50	No
	802.11ax(HE20)(RU52)			12.95	13.50	No
	802.11ax(HE20)(RU106)			14.34	15.00	No
	802.11ax(HE40)(RU26)	38	5190	10.20	10.50	No
	802.11ax(HE40)(RU52)			13.29	13.50	No
	802.11ax(HE40)(RU106)			14.78	15.00	No
	802.11ax(HE40)(RU242)			14.52	15.00	No
	802.11ax(HE40)(RU26)	46	5230	10.03	10.50	No
	802.11ax(HE40)(RU52)			13.05	13.50	No
	802.11ax(HE40)(RU106)			14.45	15.00	No
	802.11ax(HE40)(RU242)			14.30	15.00	No
	802.11ax(HE80)(RU26)	42	5210	10.42	10.50	No
	802.11ax(HE80)(RU52)			13.31	13.50	No
	802.11ax(HE80)(RU106)			13.31	15.00	No
	802.11ax(HE80)(RU242)			13.04	15.00	No
	802.11ax(HE80)(RU484)			13.02	15.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	10.35	10.50	No
	802.11ax(HE20)(RU52)			13.45	13.50	No
	802.11ax(HE20)(RU106)			14.86	15.00	No
	802.11ax(HE20)(RU26)	60	5300	9.79	10.50	No
	802.11ax(HE20)(RU52)			12.81	13.50	No
	802.11ax(HE20)(RU106)			14.34	15.00	No
	802.11ax(HE20)(RU26)	64	5320	9.89	10.50	No

	802.11ax(HE20)(RU52)			12.99	13.50	No
	802.11ax(HE20)(RU106)			14.37	15.00	No
	802.11ax(HE40)(RU26)	54	5270	10.05	10.50	No
	802.11ax(HE40)(RU52)			13.15	13.50	No
	802.11ax(HE40)(RU106)			14.58	15.00	No
	802.11ax(HE40)(RU242)			14.84	15.00	No
	802.11ax(HE40)(RU26)	62	5310	10.26	10.50	No
	802.11ax(HE40)(RU52)			13.28	13.50	No
	802.11ax(HE40)(RU106)			14.65	15.00	No
	802.11ax(HE40)(RU242)			14.46	15.00	No
	802.11ax(HE80)(RU26)	58	5290	9.96	10.50	No
	802.11ax(HE80)(RU52)			13.41	13.50	No
	802.11ax(HE80)(RU106)			14.76	15.00	No
	802.11ax(HE80)(RU242)			14.42	15.00	No
	802.11ax(HE80)(RU484)			14.97	15.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	9.51	10.50	No
	802.11ax(HE20)(RU52)			12.60	13.50	No
	802.11ax(HE20)(RU106)			14.14	15.00	No
	802.11ax(HE20)(RU26)	116	5580	9.10	10.50	No
	802.11ax(HE20)(RU52)			12.50	13.50	No
	802.11ax(HE20)(RU106)			13.94	15.00	No
	802.11ax(HE20)(RU26)	140	5700	8.94	10.50	No
	802.11ax(HE20)(RU52)			12.01	13.50	No
	802.11ax(HE20)(RU106)			13.58	15.00	No
	802.11ax(HE40)(RU26)	102	5510	9.87	10.50	No
	802.11ax(HE40)(RU52)			13.07	13.50	No
	802.11ax(HE40)(RU106)			14.45	15.00	No
	802.11ax(HE40)(RU242)			14.41	15.00	No
	802.11ax(HE40)(RU26)	118	5590	9.29	10.50	No
	802.11ax(HE40)(RU52)			12.61	13.50	No
	802.11ax(HE40)(RU106)			14.03	15.00	No
	802.11ax(HE40)(RU242)			13.81	15.00	No
	802.11ax(HE40)(RU26)	134	5670	9.40	10.50	No
	802.11ax(HE40)(RU52)			12.38	13.50	No
	802.11ax(HE40)(RU106)			13.87	15.00	No
	802.11ax(HE40)(RU242)			13.67	15.00	No
	802.11ax(HE80)(RU26)	106	5530	10.14	10.50	No
	802.11ax(HE80)(RU52)			13.27	13.50	No
	802.11ax(HE80)(RU106)			14.71	15.00	No

	802.11ax(HE80)(RU242)			14.60	15.00	No
	802.11ax(HE80)(RU484)			14.57	15.00	No
	802.11ax(HE80)(RU26)	122	5610	10.09	10.50	No
	802.11ax(HE80)(RU52)			13.18	13.50	No
	802.11ax(HE80)(RU106)			14.68	15.00	No
	802.11ax(HE80)(RU242)			14.38	15.00	No
	802.11ax(HE80)(RU484)			14.28	15.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	6.76	8.00	No
	802.11ax(HE20)(RU52)			9.50	11.00	No
	802.11ax(HE20)(RU106)			12.38	14.00	No
	802.11ax(HE20)(RU26)	157	5785	6.39	8.00	No
	802.11ax(HE20)(RU52)			9.59	11.00	No
	802.11ax(HE20)(RU106)			12.61	14.00	No
	802.11ax(HE20)(RU26)	165	5825	6.73	8.00	No
	802.11ax(HE20)(RU52)			9.48	11.00	No
	802.11ax(HE20)(RU106)			12.71	14.00	No
	802.11ax(HE40)(RU26)	151	5755	6.60	8.00	No
	802.11ax(HE40)(RU52)			9.55	11.00	No
	802.11ax(HE40)(RU106)			12.53	14.00	No
	802.11ax(HE40)(RU242)			15.78	17.00	No
	802.11ax(HE40)(RU26)	159	5795	6.68	8.00	No
	802.11ax(HE40)(RU52)			9.44	11.00	No
	802.11ax(HE40)(RU106)			12.66	14.00	No
	802.11ax(HE40)(RU242)			15.47	17.00	No
	802.11ax(HE80)(RU26)	155	5775	6.38	8.00	No
	802.11ax(HE80)(RU52)			9.53	11.00	No
	802.11ax(HE80)(RU106)			12.69	14.00	No
	802.11ax(HE80)(RU242)			15.45	17.00	No
	802.11ax(HE80)(RU484)			15.66	17.00	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.

8.6.26 5G WIFI Full Power ANT MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.61	18.00	No
		44	5220	17.45	18.00	No
		48	5240	17.97	18.00	No
	802.11n(HT20)	36	5180	17.46	18.00	No
		44	5220	17.45	18.00	No
		48	5240	17.34	18.00	No
	802.11n(HT40)	38	5190	17.46	18.00	Yes
		46	5230	17.36	18.00	No
	802.11ac(VHT20)	36	5180	17.31	18.00	No
		44	5220	17.44	18.00	No
		48	5240	17.50	18.00	No
	802.11ac(VHT40)	38	5190	17.51	18.00	No
		46	5230	17.49	18.00	No
	802.11ac(VHT80)	42	5210	13.66	15.50	No
	802.11ax(HE20)	36	5180	17.17	18.00	No
		44	5220	17.30	18.00	No
		48	5240	17.36	18.00	No
	802.11ax(HE40)	38	5190	17.47	18.00	No
		46	5230	17.42	18.00	No
	802.11ax(HE80)	42	5210	17.58	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.79	18.00	No
		60	5300	17.78	18.00	No
		64	5320	17.68	18.00	No
	802.11n(HT20)	52	5260	17.30	18.00	No
		60	5300	17.26	18.00	No
		64	5320	17.46	18.00	No
	802.11n(HT40)	54	5270	17.45	18.00	No
		62	5310	17.38	18.00	No
	802.11ac(VHT20)	52	5260	17.30	18.00	No
		60	5300	17.35	18.00	No
		64	5320	17.22	18.00	No
	802.11ac(VHT40)	54	5270	17.41	18.00	No
		62	5310	17.42	18.00	No
	802.11ac(VHT80)	58	5290	17.75	18.00	Yes
	802.11ax(HE20)	52	5260	17.30	18.00	No
		60	5300	17.33	18.00	No

		64	5320	17.20	18.00	No
	802.11ax(HE40)	54	5270	17.38	18.00	No
		62	5310	17.31	18.00	No
	802.11ax(HE80)	58	5290	17.62	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.73	18.00	No
		116	5580	17.38	18.00	No
		140	5700	17.22	18.00	No
	802.11n(HT20)	100	5500	17.41	18.00	No
		116	5580	17.55	18.00	No
		140	5700	17.36	18.00	No
	802.11n(HT40)	102	5510	17.53	18.00	No
		118	5590	17.59	18.00	No
		134	5670	17.54	18.00	No
	802.11ac(VHT20)	100	5500	17.36	18.00	No
		116	5580	17.42	18.00	No
		140	5700	17.55	18.00	No
	802.11ac(VHT40)	102	5510	17.60	18.00	No
		118	5590	17.44	18.00	No
		134	5670	17.43	18.00	No
	802.11ac(VHT80)	106	5530	17.48	18.00	No
		122	5690	17.70	18.00	Yes
	802.11ax(HE20)	100	5500	17.31	18.00	No
		116	5580	17.26	18.00	No
		140	5700	17.54	18.00	No
	802.11ax(HE40)	102	5510	17.52	18.00	No
		118	5590	17.42	18.00	No
		134	5670	17.29	18.00	No
	802.11ax(HE80)	106	5530	17.47	18.00	No
		122	5610	17.55	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	21.44	22.50	No
		157	5785	21.52	22.50	No
		165	5825	21.45	22.50	No
	802.11n(HT20)	149	5745	21.58	22.50	No
		157	5785	21.61	22.50	No
		165	5825	21.44	22.50	No
	802.11n(HT40)	151	5755	21.63	22.50	Yes
		159	5795	21.50	22.50	No
	802.11ac(VHT20)	149	5745	21.46	22.50	No
		157	5785	21.51	22.50	No

		165	5825	21.61	22.50	No
	802.11ac(VHT40)	151	5755	20.53	22.50	No
		159	5795	20.58	22.50	No
	802.11ac(VHT80)	155	5775	20.63	21.50	No
	802.11ax(HE20)	149	5745	21.45	22.50	No
		157	5785	21.43	22.50	No
		165	5825	21.48	22.50	No
	802.11ax(HE40)	151	5755	20.55	22.50	No
		159	5795	20.52	22.50	No
	802.11ax(HE80)	155	5775	20.51	21.50	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	11.97	13.50	No
	802.11ax(HE20)(RU52)			15.20	16.50	No
	802.11ax(HE20)(RU106)			16.59	18.00	No
	802.11ax(HE20)(RU26)	44	5220	11.58	13.50	No
	802.11ax(HE20)(RU52)			14.60	16.50	No
	802.11ax(HE20)(RU106)			16.05	18.00	No
	802.11ax(HE20)(RU26)	48	5240	11.94	13.50	No
	802.11ax(HE20)(RU52)			14.98	16.50	No
	802.11ax(HE20)(RU106)			16.27	18.00	No
	802.11ax(HE40)(RU26)	38	5190	12.19	13.50	No
	802.11ax(HE40)(RU52)			15.22	16.50	No
	802.11ax(HE40)(RU106)			16.79	18.00	No
	802.11ax(HE40)(RU242)			16.43	18.00	No
	802.11ax(HE40)(RU26)	46	5230	12.06	13.50	No
	802.11ax(HE40)(RU52)			15.16	16.50	No
	802.11ax(HE40)(RU106)			16.50	18.00	No
	802.11ax(HE40)(RU242)			16.35	18.00	No
	802.11ax(HE80)(RU26)	42	5210	12.33	13.50	No
	802.11ax(HE80)(RU52)			15.43	16.50	No
	802.11ax(HE80)(RU106)			16.80	18.00	No
	802.11ax(HE80)(RU242)			16.44	18.00	No
	802.11ax(HE80)(RU484)			16.28	18.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	12.00	13.50	No
	802.11ax(HE20)(RU52)			15.21	16.50	No
	802.11ax(HE20)(RU106)			16.60	18.00	No
	802.11ax(HE20)(RU26)	60	5300	11.60	13.50	No
	802.11ax(HE20)(RU52)			14.75	16.50	No
	802.11ax(HE20)(RU106)			16.23	18.00	No
	802.11ax(HE20)(RU26)	64	5320	12.04	13.50	No

	802.11ax(HE20)(RU52)			15.09	16.50	No
	802.11ax(HE20)(RU106)			16.44	18.00	No
	802.11ax(HE40)(RU26)	54	5270	12.56	13.50	No
	802.11ax(HE40)(RU52)			15.53	16.50	No
	802.11ax(HE40)(RU106)			16.86	18.00	No
	802.11ax(HE40)(RU242)			16.76	18.00	No
	802.11ax(HE40)(RU26)	62	5310	12.23	13.50	No
	802.11ax(HE40)(RU52)			15.39	16.50	No
	802.11ax(HE40)(RU106)			16.78	18.00	No
	802.11ax(HE40)(RU242)			16.40	18.00	No
	802.11ax(HE80)(RU26)	58	5290	12.34	13.50	No
	802.11ax(HE80)(RU52)			15.49	16.50	No
	802.11ax(HE80)(RU106)			16.94	18.00	No
	802.11ax(HE80)(RU242)			16.89	18.00	No
	802.11ax(HE80)(RU484)			16.63	18.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	12.10	13.50	No
	802.11ax(HE20)(RU52)			15.27	16.50	No
	802.11ax(HE20)(RU106)			16.68	18.00	No
	802.11ax(HE20)(RU26)	116	5580	11.68	13.50	No
	802.11ax(HE20)(RU52)			15.15	16.50	No
	802.11ax(HE20)(RU106)			16.45	18.00	No
	802.11ax(HE20)(RU26)	140	5700	11.56	13.50	No
	802.11ax(HE20)(RU52)			14.59	16.50	No
	802.11ax(HE20)(RU106)			16.13	18.00	No
	802.11ax(HE40)(RU26)	102	5510	12.51	13.50	No
	802.11ax(HE40)(RU52)			15.51	16.50	No
	802.11ax(HE40)(RU106)			16.94	18.00	No
	802.11ax(HE40)(RU242)			16.84	18.00	No
	802.11ax(HE40)(RU26)	118	5590	11.99	13.50	No
	802.11ax(HE40)(RU52)			15.21	16.50	No
	802.11ax(HE40)(RU106)			16.54	18.00	No
	802.11ax(HE40)(RU242)			16.40	18.00	No
	802.11ax(HE40)(RU26)	134	5670	11.75	13.50	No
	802.11ax(HE40)(RU52)			15.05	16.50	No
	802.11ax(HE40)(RU106)			16.61	18.00	No
	802.11ax(HE40)(RU242)			16.14	18.00	No
	802.11ax(HE80)(RU26)	106	5530	12.45	13.50	No
	802.11ax(HE80)(RU52)			15.41	16.50	No
	802.11ax(HE80)(RU106)			16.80	18.00	No

	802.11ax(HE80)(RU242)			16.70	18.00	No
	802.11ax(HE80)(RU484)			16.80	18.00	No
	802.11ax(HE80)(RU26)	122	5610	12.44	13.50	No
	802.11ax(HE80)(RU52)			15.40	16.50	No
	802.11ax(HE80)(RU106)			16.94	18.00	No
	802.11ax(HE80)(RU242)			16.88	18.00	No
	802.11ax(HE80)(RU484)			16.74	18.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	11.60	13.50	No
	802.11ax(HE20)(RU52)			14.52	16.50	No
	802.11ax(HE20)(RU106)			17.55	19.50	No
	802.11ax(HE20)(RU26)	157	5785	11.56	13.50	No
	802.11ax(HE20)(RU52)			14.73	16.50	No
	802.11ax(HE20)(RU106)			17.57	19.50	No
	802.11ax(HE20)(RU26)	165	5825	11.65	13.50	No
	802.11ax(HE20)(RU52)			14.85	16.50	No
	802.11ax(HE20)(RU106)			17.80	19.50	No
	802.11ax(HE40)(RU26)	151	5755	11.70	13.50	No
	802.11ax(HE40)(RU52)			14.86	16.50	No
	802.11ax(HE40)(RU106)			17.69	19.50	No
	802.11ax(HE40)(RU242)			20.51	22.50	No
	802.11ax(HE40)(RU26)	159	5795	11.96	13.50	No
	802.11ax(HE40)(RU52)			15.00	16.50	No
	802.11ax(HE40)(RU106)			17.86	19.50	No
	802.11ax(HE40)(RU242)			20.76	22.50	No
	802.11ax(HE80)(RU26)	155	5775	11.82	13.50	No
	802.11ax(HE80)(RU52)			15.01	16.50	No
	802.11ax(HE80)(RU106)			17.76	19.50	No
	802.11ax(HE80)(RU242)			20.64	22.50	No
	802.11ax(HE80)(RU484)			20.51	22.50	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.

8.6.27 5G WIFI LEVEL 1 ANT MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.46	16.00	No
		44	5220	15.64	16.00	No
		48	5240	15.98	16.00	No
	802.11n(HT20)	36	5180	15.41	16.00	No
		44	5220	15.31	16.00	No
		48	5240	15.43	16.00	No
	802.11n(HT40)	38	5190	15.44	16.00	No
		46	5230	15.41	16.00	No
	802.11ac(VHT20)	36	5180	15.25	16.00	No
		44	5220	15.38	16.00	No
		48	5240	15.37	16.00	No
	802.11ac(VHT40)	38	5190	15.42	16.00	No
		46	5230	15.46	16.00	No
	802.11ac(VHT80)	42	5210	13.66	15.50	Yes
	802.11ax(HE20)	36	5180	15.25	16.00	No
		44	5220	15.38	16.00	No
		48	5240	15.37	16.00	No
	802.11ax(HE40)	38	5190	15.42	16.00	No
		46	5230	15.46	16.00	No
	802.11ax(HE80)	42	5210	15.05	16.00	No
5.3 (5.25~5.35)	802.11a	52	5260	15.74	16.00	No
		60	5300	15.85	16.00	No
		64	5320	15.84	16.00	No
	802.11n(HT20)	52	5260	15.73	16.00	No
		60	5300	15.62	16.00	No
		64	5320	15.76	16.00	No
	802.11n(HT40)	54	5270	15.67	16.00	No
		62	5310	15.65	16.00	No
	802.11ac(VHT20)	52	5260	15.69	16.00	No
		60	5300	15.69	16.00	No
		64	5320	15.75	16.00	No
	802.11ac(VHT40)	54	5270	15.71	16.00	No
		62	5310	15.61	16.00	No
	802.11ac(VHT80)	58	5290	15.55	16.00	Yes
	802.11ax(HE20)	52	5260	15.69	16.00	No
		60	5300	15.69	16.00	No

	802.11ax(HE40)	64	5320	15.75	16.00	No
		54	5270	15.71	16.00	No
		62	5310	15.61	16.00	No
	802.11ax(HE80)	58	5290	15.54	16.00	No
5.6 (5.47~5.725)	802.11a	100	5500	15.83	16.00	No
		116	5580	15.74	16.00	No
		140	5700	15.65	16.00	No
	802.11n(HT20)	100	5500	15.14	16.00	No
		116	5580	15.14	16.00	No
		140	5700	15.26	16.00	No
	802.11n(HT40)	102	5510	15.35	16.00	No
		118	5590	15.28	16.00	No
		134	5670	15.21	16.00	No
	802.11ac(VHT20)	100	5500	15.37	16.00	No
		116	5580	15.44	16.00	No
		140	5700	15.33	16.00	No
	802.11ac(VHT40)	102	5510	15.31	16.00	No
		118	5590	15.18	16.00	No
		134	5670	15.19	16.00	No
	802.11ac(VHT80)	106	5530	15.62	16.00	No
		122	5690	15.78	16.00	Yes
	802.11ax(HE20)	100	5500	14.78	16.00	No
		116	5580	15.37	16.00	No
		140	5700	15.44	16.00	No
	802.11ax(HE40)	102	5510	15.33	16.00	No
		118	5590	15.31	16.00	No
		134	5670	15.18	16.00	No
	802.11ax(HE80)	106	5530	15.54	16.00	No
		122	5610	15.77	16.00	No
5.8 (5.725~5.850)	802.11a	149	5745	13.92	15.00	No
		157	5785	14.00	15.00	No
		165	5825	13.86	15.00	No
	802.11n(HT20)	149	5745	14.06	15.00	No
		157	5785	14.03	15.00	No
		165	5825	13.95	15.00	No
	802.11n(HT40)	151	5755	14.02	15.00	No
		159	5795	14.10	15.00	Yes
	802.11ac(VHT20)	149	5745	14.11	15.00	No
		157	5785	14.12	15.00	No

		165	5825	14.12	15.00	No
	802.11ac(VHT40)	151	5755	14.10	15.00	No
		159	5795	14.10	15.00	No
	802.11ac(VHT80)	155	5775	13.03	14.00	No
	802.11ax(HE20)	149	5745	14.11	15.00	No
		157	5785	14.12	15.00	No
		165	5825	14.12	15.00	No
	802.11ax(HE40)	151	5755	14.10	15.00	No
		159	5795	14.10	15.00	No
	802.11ax(HE80)	155	5775	13.03	14.00	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	10.49	11.50	No
	802.11ax(HE20)(RU52)			13.23	14.50	No
	802.11ax(HE20)(RU106)			14.68	16.00	No
	802.11ax(HE20)(RU26)	44	5220	10.30	11.50	No
	802.11ax(HE20)(RU52)			13.39	14.50	No
	802.11ax(HE20)(RU106)			14.62	16.00	No
	802.11ax(HE20)(RU26)	48	5240	10.51	11.50	No
	802.11ax(HE20)(RU52)			13.42	14.50	No
	802.11ax(HE20)(RU106)			14.99	16.00	No
	802.11ax(HE40)(RU26)	38	5190	10.54	11.50	No
	802.11ax(HE40)(RU52)			13.52	14.50	No
	802.11ax(HE40)(RU106)			14.77	16.00	No
	802.11ax(HE40)(RU242)			14.76	16.00	No
	802.11ax(HE40)(RU26)	46	5230	10.33	11.50	No
	802.11ax(HE40)(RU52)			13.47	14.50	No
	802.11ax(HE40)(RU106)			14.69	16.00	No
	802.11ax(HE40)(RU242)			15.02	16.00	No
	802.11ax(HE80)(RU26)	42	5210	10.39	11.50	No
	802.11ax(HE80)(RU52)			13.27	14.50	No
	802.11ax(HE80)(RU106)			14.90	16.00	No
	802.11ax(HE80)(RU242)			15.04	16.00	No
	802.11ax(HE80)(RU484)			14.89	16.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	10.26	11.50	No
	802.11ax(HE20)(RU52)			13.50	14.50	No
	802.11ax(HE20)(RU106)			14.99	16.00	No
	802.11ax(HE20)(RU26)	60	5300	10.35	11.50	No
	802.11ax(HE20)(RU52)			13.33	14.50	No
	802.11ax(HE20)(RU106)			14.76	16.00	No
	802.11ax(HE20)(RU26)	64	5320	10.22	11.50	No

	802.11ax(HE20)(RU52)			13.43	14.50	No
	802.11ax(HE20)(RU106)			14.62	16.00	No
	802.11ax(HE40)(RU26)	54	5270	10.41	11.50	No
	802.11ax(HE40)(RU52)			13.27	14.50	No
	802.11ax(HE40)(RU106)			14.82	16.00	No
	802.11ax(HE40)(RU242)			14.91	16.00	No
	802.11ax(HE40)(RU26)	62	5310	10.53	11.50	No
	802.11ax(HE40)(RU52)			13.29	14.50	No
	802.11ax(HE40)(RU106)			15.06	16.00	No
	802.11ax(HE40)(RU242)			15.04	16.00	No
	802.11ax(HE80)(RU26)	58	5290	10.56	11.50	No
	802.11ax(HE80)(RU52)			13.39	14.50	No
	802.11ax(HE80)(RU106)			14.88	16.00	No
	802.11ax(HE80)(RU242)			15.02	16.00	No
	802.11ax(HE80)(RU484)			14.73	16.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	10.41	11.50	No
	802.11ax(HE20)(RU52)			13.52	14.50	No
	802.11ax(HE20)(RU106)			14.66	16.00	No
	802.11ax(HE20)(RU26)	116	5580	10.31	11.50	No
	802.11ax(HE20)(RU52)			13.34	14.50	No
	802.11ax(HE20)(RU106)			14.64	16.00	No
	802.11ax(HE20)(RU26)	140	5700	10.34	11.50	No
	802.11ax(HE20)(RU52)			13.36	14.50	No
	802.11ax(HE20)(RU106)			14.81	16.00	No
	802.11ax(HE40)(RU26)	102	5510	10.36	11.50	No
	802.11ax(HE40)(RU52)			13.46	14.50	No
	802.11ax(HE40)(RU106)			14.64	16.00	No
	802.11ax(HE40)(RU242)			14.78	16.00	No
	802.11ax(HE40)(RU26)	118	5590	10.19	11.50	No
	802.11ax(HE40)(RU52)			13.48	14.50	No
	802.11ax(HE40)(RU106)			15.06	16.00	No
	802.11ax(HE40)(RU242)			14.80	16.00	No
	802.11ax(HE40)(RU26)	134	5670	10.27	11.50	No
	802.11ax(HE40)(RU52)			13.51	14.50	No
	802.11ax(HE40)(RU106)			14.87	16.00	No
	802.11ax(HE40)(RU242)			14.89	16.00	No
	802.11ax(HE80)(RU26)	106	5530	10.48	11.50	No
	802.11ax(HE80)(RU52)			13.43	14.50	No
	802.11ax(HE80)(RU106)			15.02	16.00	No

	802.11ax(HE80)(RU242)			14.75	16.00	No
	802.11ax(HE80)(RU484)			14.81	16.00	No
	802.11ax(HE80)(RU26)	122	5610	10.23	11.50	No
	802.11ax(HE80)(RU52)			13.14	14.50	No
	802.11ax(HE80)(RU106)			14.88	16.00	No
	802.11ax(HE80)(RU242)			14.67	16.00	No
	802.11ax(HE80)(RU484)			15.00	16.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	4.67	6.00	No
	802.11ax(HE20)(RU52)			7.65	9.00	No
	802.11ax(HE20)(RU106)			10.72	12.00	No
	802.11ax(HE20)(RU26)	157	5785	4.83	6.00	No
	802.11ax(HE20)(RU52)			7.63	9.00	No
	802.11ax(HE20)(RU106)			11.03	12.00	No
	802.11ax(HE20)(RU26)	165	5825	4.65	6.00	No
	802.11ax(HE20)(RU52)			7.93	9.00	No
	802.11ax(HE20)(RU106)			10.68	12.00	No
	802.11ax(HE40)(RU26)	151	5755	4.67	6.00	No
	802.11ax(HE40)(RU52)			7.91	9.00	No
	802.11ax(HE40)(RU106)			11.05	12.00	No
	802.11ax(HE40)(RU242)			13.77	15.00	No
	802.11ax(HE40)(RU26)	159	5795	4.79	6.00	No
	802.11ax(HE40)(RU52)			8.08	9.00	No
	802.11ax(HE40)(RU106)			10.73	12.00	No
	802.11ax(HE40)(RU242)			14.00	15.00	No
	802.11ax(HE80)(RU26)	155	5775	4.67	6.00	No
	802.11ax(HE80)(RU52)			7.73	9.00	No
	802.11ax(HE80)(RU106)			10.62	12.00	No
	802.11ax(HE80)(RU242)			13.73	15.00	No
	802.11ax(HE80)(RU484)			13.84	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.

8.6.28 5G WIFI LEVEL 2&3 ANT MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	11.27	12.00	No
		44	5220	11.51	12.00	No
		48	5240	11.54	12.00	No
	802.11n(HT20)	36	5180	11.31	12.00	No
		44	5220	11.43	12.00	No
		48	5240	11.35	12.00	No
	802.11n(HT40)	38	5190	11.39	12.00	No
		46	5230	11.46	12.00	No
	802.11ac(VHT20)	36	5180	11.46	12.00	No
		44	5220	11.51	12.00	No
		48	5240	11.39	12.00	No
	802.11ac(VHT40)	38	5190	11.39	12.00	No
		46	5230	11.22	12.00	No
	802.11ac(VHT80)	42	5210	11.46	12.00	Yes
	802.11ax(HE20)	36	5180	11.42	12.00	No
		44	5220	11.39	12.00	No
		48	5240	11.22	12.00	No
	802.11ax(HE40)	38	5190	11.25	12.00	No
		46	5230	11.10	12.00	No
	802.11ax(HE80)	42	5210	11.36	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	11.42	12.00	No
		60	5300	11.62	12.00	No
		64	5320	11.32	12.00	No
	802.11n(HT20)	52	5260	11.34	12.00	No
		60	5300	11.20	12.00	No
		64	5320	11.32	12.00	No
	802.11n(HT40)	54	5270	11.33	12.00	No
		62	5310	11.24	12.00	No
	802.11ac(VHT20)	52	5260	11.37	12.00	No
		60	5300	11.19	12.00	No
		64	5320	11.15	12.00	No
	802.11ac(VHT40)	54	5270	11.21	12.00	No
		62	5310	11.05	12.00	No
	802.11ac(VHT80)	58	5290	11.43	12.00	Yes
	802.11ax(HE20)	52	5260	11.19	12.00	No
		60	5300	11.10	12.00	No

		64	5320	11.00	12.00	No
	802.11ax(HE40)	54	5270	11.11	12.00	No
		62	5310	10.89	12.00	No
	802.11ax(HE80)	58	5290	11.38	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	11.62	12.00	No
		116	5580	11.77	12.00	No
		140	5700	11.63	12.00	No
	802.11n(HT20)	100	5500	11.30	12.00	No
		116	5580	11.42	12.00	No
		140	5700	11.41	12.00	No
	802.11n(HT40)	102	5510	11.22	12.00	No
		118	5590	11.16	12.00	No
		134	5670	11.43	12.00	No
	802.11ac(VHT20)	100	5500	11.43	12.00	No
		116	5580	11.16	12.00	No
		140	5700	11.34	12.00	No
	802.11ac(VHT40)	102	5510	11.17	12.00	No
		118	5590	11.11	12.00	No
		134	5670	11.46	12.00	No
	802.11ac(VHT80)	106	5530	11.47	12.00	Yes
		122	5690	11.27	12.00	No
	802.11ax(HE20)	100	5500	11.34	12.00	No
		116	5580	11.08	12.00	No
		140	5700	11.31	12.00	No
	802.11ax(HE40)	102	5510	11.10	12.00	No
		118	5590	10.92	12.00	No
		134	5670	11.29	12.00	No
	802.11ax(HE80)	106	5530	11.30	12.00	No
		122	5610	11.19	12.00	No
5.8 (5.725~5.850)	802.11a	149	5745	10.34	11.50	No
		157	5785	10.49	11.50	No
		165	5825	10.23	11.50	No
	802.11n(HT20)	149	5745	10.67	11.50	No
		157	5785	10.54	11.50	No
		165	5825	10.65	11.50	No
	802.11n(HT40)	151	5755	10.49	11.50	No
		159	5795	10.53	11.50	Yes
	802.11ac(VHT20)	149	5745	10.54	11.50	No
		157	5785	10.61	11.50	No

		165	5825	10.45	11.50	No
	802.11ac(VHT40)	151	5755	10.52	11.50	No
		159	5795	10.63	11.50	No
	802.11ac(VHT80)	155	5775	10.48	10.50	No
	802.11ax(HE20)	149	5745	10.52	11.50	No
		157	5785	10.47	11.50	No
		165	5825	10.44	11.50	No
	802.11ax(HE40)	151	5755	10.52	11.50	No
		159	5795	10.46	11.50	No
	802.11ax(HE80)	155	5775	10.39	10.50	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	5.96	7.50	No
	802.11ax(HE20)(RU52)			8.82	10.50	No
	802.11ax(HE20)(RU106)			10.77	12.00	No
	802.11ax(HE20)(RU26)	44	5220	5.87	7.50	No
	802.11ax(HE20)(RU52)			8.93	10.50	No
	802.11ax(HE20)(RU106)			10.63	12.00	No
	802.11ax(HE20)(RU26)	48	5240	6.08	7.50	No
	802.11ax(HE20)(RU52)			8.87	10.50	No
	802.11ax(HE20)(RU106)			10.77	12.00	No
	802.11ax(HE40)(RU26)	38	5190	5.83	7.50	No
	802.11ax(HE40)(RU52)			9.06	10.50	No
	802.11ax(HE40)(RU106)			10.64	12.00	No
	802.11ax(HE40)(RU242)			10.55	12.00	No
	802.11ax(HE40)(RU26)	46	5230	6.00	7.50	No
	802.11ax(HE40)(RU52)			9.22	10.50	No
	802.11ax(HE40)(RU106)			10.36	12.00	No
	802.11ax(HE40)(RU242)			10.49	12.00	No
	802.11ax(HE80)(RU26)	42	5210	5.83	7.50	No
	802.11ax(HE80)(RU52)			9.28	10.50	No
	802.11ax(HE80)(RU106)			10.53	12.00	No
	802.11ax(HE80)(RU242)			10.54	12.00	No
	802.11ax(HE80)(RU484)			10.43	12.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	6.12	7.50	No
	802.11ax(HE20)(RU52)			9.01	10.50	No
	802.11ax(HE20)(RU106)			10.74	12.00	No
	802.11ax(HE20)(RU26)	60	5300	6.07	7.50	No
	802.11ax(HE20)(RU52)			8.92	10.50	No
	802.11ax(HE20)(RU106)			10.46	12.00	No
	802.11ax(HE20)(RU26)	64	5320	6.13	7.50	No

	802.11ax(HE20)(RU52)			9.07	10.50	No
	802.11ax(HE20)(RU106)			10.67	12.00	No
	802.11ax(HE40)(RU26)	54	5270	6.00	7.50	No
	802.11ax(HE40)(RU52)			9.28	10.50	No
	802.11ax(HE40)(RU106)			10.39	12.00	No
	802.11ax(HE40)(RU242)			10.70	12.00	No
	802.11ax(HE40)(RU26)	62	5310	5.90	7.50	No
	802.11ax(HE40)(RU52)			8.92	10.50	No
	802.11ax(HE40)(RU106)			10.71	12.00	No
	802.11ax(HE40)(RU242)			10.45	12.00	No
	802.11ax(HE80)(RU26)	58	5290	6.21	7.50	No
	802.11ax(HE80)(RU52)			9.02	10.50	No
	802.11ax(HE80)(RU106)			10.32	12.00	No
	802.11ax(HE80)(RU242)			10.45	12.00	No
	802.11ax(HE80)(RU484)			10.33	12.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	6.05	7.50	No
	802.11ax(HE20)(RU52)			9.26	10.50	No
	802.11ax(HE20)(RU106)			10.63	12.00	No
	802.11ax(HE20)(RU26)	116	5580	6.24	7.50	No
	802.11ax(HE20)(RU52)			9.02	10.50	No
	802.11ax(HE20)(RU106)			10.66	12.00	No
	802.11ax(HE20)(RU26)	140	5700	5.99	7.50	No
	802.11ax(HE20)(RU52)			9.11	10.50	No
	802.11ax(HE20)(RU106)			10.56	12.00	No
	802.11ax(HE40)(RU26)	102	5510	6.28	7.50	No
	802.11ax(HE40)(RU52)			9.21	10.50	No
	802.11ax(HE40)(RU106)			10.37	12.00	No
	802.11ax(HE40)(RU242)			10.59	12.00	No
	802.11ax(HE40)(RU26)	118	5590	6.10	7.50	No
	802.11ax(HE40)(RU52)			9.04	10.50	No
	802.11ax(HE40)(RU106)			10.42	12.00	No
	802.11ax(HE40)(RU242)			10.54	12.00	No
	802.11ax(HE40)(RU26)	134	5670	6.08	7.50	No
	802.11ax(HE40)(RU52)			8.83	10.50	No
	802.11ax(HE40)(RU106)			10.58	12.00	No
	802.11ax(HE40)(RU242)			10.75	12.00	No
	802.11ax(HE80)(RU26)	106	5530	6.03	7.50	No
	802.11ax(HE80)(RU52)			9.17	10.50	No
	802.11ax(HE80)(RU106)			10.45	12.00	No

	802.11ax(HE80)(RU242)			10.59	12.00	No
	802.11ax(HE80)(RU484)			10.63	12.00	No
	802.11ax(HE80)(RU26)	122	5610	5.99	7.50	No
	802.11ax(HE80)(RU52)			8.97	10.50	No
	802.11ax(HE80)(RU106)			10.32	12.00	No
	802.11ax(HE80)(RU242)			10.43	12.00	No
	802.11ax(HE80)(RU484)			10.40	12.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	0.86	2.50	No
	802.11ax(HE20)(RU52)			3.93	5.50	No
	802.11ax(HE20)(RU106)			7.17	8.50	No
	802.11ax(HE20)(RU26)	157	5785	1.23	2.50	No
	802.11ax(HE20)(RU52)			3.98	5.50	No
	802.11ax(HE20)(RU106)			6.85	8.50	No
	802.11ax(HE20)(RU26)	165	5825	1.02	2.50	No
	802.11ax(HE20)(RU52)			3.90	5.50	No
	802.11ax(HE20)(RU106)			6.89	8.50	No
	802.11ax(HE40)(RU26)	151	5755	1.02	2.50	No
	802.11ax(HE40)(RU52)			4.18	5.50	No
	802.11ax(HE40)(RU106)			7.23	8.50	No
	802.11ax(HE40)(RU242)			10.28	11.50	No
	802.11ax(HE40)(RU26)	159	5795	0.99	2.50	No
	802.11ax(HE40)(RU52)			3.86	5.50	No
	802.11ax(HE40)(RU106)			7.02	8.50	No
	802.11ax(HE40)(RU242)			9.91	11.50	No
	802.11ax(HE80)(RU26)	155	5775	1.20	2.50	No
	802.11ax(HE80)(RU52)			4.26	5.50	No
	802.11ax(HE80)(RU106)			7.10	8.50	No
	802.11ax(HE80)(RU242)			10.19	11.50	No
	802.11ax(HE80)(RU484)			9.94	11.50	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.

8.6.29 5G WIFI LEVEL 4 ANT MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.61	18.00	No
		44	5220	17.45	18.00	No
		48	5240	17.97	18.00	No
	802.11n(HT20)	36	5180	17.46	18.00	No
		44	5220	17.45	18.00	No
		48	5240	17.34	18.00	No
	802.11n(HT40)	38	5190	17.46	18.00	Yes
		46	5230	17.36	18.00	No
	802.11ac(VHT20)	36	5180	17.31	18.00	No
		44	5220	17.44	18.00	No
		48	5240	17.50	18.00	No
	802.11ac(VHT40)	38	5190	17.51	18.00	No
		46	5230	17.49	18.00	No
	802.11ac(VHT80)	42	5210	13.66	15.50	No
	802.11ax(HE20)	36	5180	17.17	18.00	No
		44	5220	17.30	18.00	No
		48	5240	17.36	18.00	No
	802.11ax(HE40)	38	5190	17.47	18.00	No
		46	5230	17.42	18.00	No
	802.11ax(HE80)	42	5210	13.58	15.50	No
5.3 (5.25~5.35)	802.11a	52	5260	17.79	18.00	No
		60	5300	17.78	18.00	No
		64	5320	17.68	18.00	No
	802.11n(HT20)	52	5260	17.30	18.00	No
		60	5300	17.26	18.00	No
		64	5320	17.46	18.00	No
	802.11n(HT40)	54	5270	17.45	18.00	No
		62	5310	17.38	18.00	No
	802.11ac(VHT20)	52	5260	17.30	18.00	No
		60	5300	17.35	18.00	No
		64	5320	17.22	18.00	No
	802.11ac(VHT40)	54	5270	17.41	18.00	No
		62	5310	17.42	18.00	No
	802.11ac(VHT80)	58	5290	17.75	18.00	Yes
	802.11ax(HE20)	52	5260	17.30	18.00	No
		60	5300	17.33	18.00	No

		64	5320	17.20	18.00	No
	802.11ax(HE40)	54	5270	17.38	18.00	No
		62	5310	17.31	18.00	No
	802.11ax(HE80)	58	5290	17.62	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.73	18.00	No
		116	5580	17.38	18.00	No
		140	5700	17.22	18.00	No
	802.11n(HT20)	100	5500	17.41	18.00	No
		116	5580	17.55	18.00	No
		140	5700	17.36	18.00	No
	802.11n(HT40)	102	5510	17.53	18.00	No
		118	5590	17.59	18.00	No
		134	5670	17.54	18.00	No
	802.11ac(VHT20)	100	5500	17.36	18.00	No
		116	5580	17.42	18.00	No
		140	5700	17.55	18.00	No
	802.11ac(VHT40)	102	5510	17.60	18.00	No
		118	5590	17.44	18.00	No
		134	5670	17.43	18.00	No
	802.11ac(VHT80)	106	5530	17.48	18.00	No
		122	5690	17.70	18.00	Yes
	802.11ax(HE20)	100	5500	17.31	18.00	No
		116	5580	17.26	18.00	No
		140	5700	17.54	18.00	No
	802.11ax(HE40)	102	5510	17.52	18.00	No
		118	5590	17.42	18.00	No
		134	5670	17.29	18.00	No
	802.11ax(HE80)	106	5530	17.47	18.00	No
		122	5610	17.55	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	21.44	22.50	No
		157	5785	21.52	22.50	No
		165	5825	21.45	22.50	No
	802.11n(HT20)	149	5745	21.58	22.50	No
		157	5785	21.61	22.50	No
		165	5825	21.44	22.50	No
	802.11n(HT40)	151	5755	21.63	22.50	Yes
		159	5795	21.50	22.50	Yes
	802.11ac(VHT20)	149	5745	21.46	22.50	No
		157	5785	21.51	22.50	No

		165	5825	21.61	22.50	No
	802.11ac(VHT40)	151	5755	20.53	22.50	No
		159	5795	20.58	22.50	No
	802.11ac(VHT80)	155	5775	20.63	21.50	No
	802.11ax(HE20)	149	5745	21.45	22.50	No
		157	5785	21.43	22.50	No
		165	5825	21.48	22.50	No
	802.11ax(HE40)	151	5755	20.55	22.50	No
		159	5795	20.52	22.50	No
	802.11ax(HE80)	155	5775	20.51	21.50	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	11.97	13.50	No
	802.11ax(HE20)(RU52)			15.20	16.50	No
	802.11ax(HE20)(RU106)			16.59	18.00	No
	802.11ax(HE20)(RU26)	44	5220	11.58	13.50	No
	802.11ax(HE20)(RU52)			14.60	16.50	No
	802.11ax(HE20)(RU106)			16.05	18.00	No
	802.11ax(HE20)(RU26)	48	5240	11.94	13.50	No
	802.11ax(HE20)(RU52)			14.98	16.50	No
	802.11ax(HE20)(RU106)			16.27	18.00	No
	802.11ax(HE40)(RU26)	38	5190	12.19	13.50	No
	802.11ax(HE40)(RU52)			15.22	16.50	No
	802.11ax(HE40)(RU106)			16.79	18.00	No
	802.11ax(HE40)(RU242)			16.43	18.00	No
	802.11ax(HE40)(RU26)	46	5230	12.06	13.50	No
	802.11ax(HE40)(RU52)			15.16	16.50	No
	802.11ax(HE40)(RU106)			16.50	18.00	No
	802.11ax(HE40)(RU242)			16.35	18.00	No
	802.11ax(HE80)(RU26)	42	5210	12.33	13.50	No
	802.11ax(HE80)(RU52)			15.43	16.50	No
	802.11ax(HE80)(RU106)			16.80	18.00	No
	802.11ax(HE80)(RU242)			16.44	18.00	No
	802.11ax(HE80)(RU484)			16.28	18.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	12.00	13.50	No
	802.11ax(HE20)(RU52)			15.21	16.50	No
	802.11ax(HE20)(RU106)			16.60	18.00	No
	802.11ax(HE20)(RU26)	60	5300	11.60	13.50	No
	802.11ax(HE20)(RU52)			14.75	16.50	No
	802.11ax(HE20)(RU106)			16.23	18.00	No
	802.11ax(HE20)(RU26)	64	5320	12.04	13.50	No

	802.11ax(HE20)(RU52)			15.09	16.50	No
	802.11ax(HE20)(RU106)			16.44	18.00	No
	802.11ax(HE40)(RU26)	54	5270	12.56	13.50	No
	802.11ax(HE40)(RU52)			15.53	16.50	No
	802.11ax(HE40)(RU106)			16.86	18.00	No
	802.11ax(HE40)(RU242)			16.76	18.00	No
	802.11ax(HE40)(RU26)	62	5310	12.23	13.50	No
	802.11ax(HE40)(RU52)			15.39	16.50	No
	802.11ax(HE40)(RU106)			16.78	18.00	No
	802.11ax(HE40)(RU242)			16.40	18.00	No
	802.11ax(HE80)(RU26)	58	5290	12.34	13.50	No
	802.11ax(HE80)(RU52)			15.49	16.50	No
	802.11ax(HE80)(RU106)			16.94	18.00	No
	802.11ax(HE80)(RU242)			16.89	18.00	No
	802.11ax(HE80)(RU484)			16.63	18.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	12.10	13.50	No
	802.11ax(HE20)(RU52)			15.27	16.50	No
	802.11ax(HE20)(RU106)			16.68	18.00	No
	802.11ax(HE20)(RU26)	116	5580	11.68	13.50	No
	802.11ax(HE20)(RU52)			15.15	16.50	No
	802.11ax(HE20)(RU106)			16.45	18.00	No
	802.11ax(HE20)(RU26)	140	5700	11.56	13.50	No
	802.11ax(HE20)(RU52)			14.59	16.50	No
	802.11ax(HE20)(RU106)			16.13	18.00	No
	802.11ax(HE40)(RU26)	102	5510	12.51	13.50	No
	802.11ax(HE40)(RU52)			15.51	16.50	No
	802.11ax(HE40)(RU106)			16.94	18.00	No
	802.11ax(HE40)(RU242)			16.84	18.00	No
	802.11ax(HE40)(RU26)	118	5590	11.99	13.50	No
	802.11ax(HE40)(RU52)			15.21	16.50	No
	802.11ax(HE40)(RU106)			16.54	18.00	No
	802.11ax(HE40)(RU242)			16.40	18.00	No
	802.11ax(HE40)(RU26)	134	5670	11.75	13.50	No
	802.11ax(HE40)(RU52)			15.05	16.50	No
	802.11ax(HE40)(RU106)			16.61	18.00	No
	802.11ax(HE40)(RU242)			16.14	18.00	No
	802.11ax(HE80)(RU26)	106	5530	12.45	13.50	No
	802.11ax(HE80)(RU52)			15.41	16.50	No
	802.11ax(HE80)(RU106)			16.80	18.00	No

	802.11ax(HE80)(RU242)			16.70	18.00	No
	802.11ax(HE80)(RU484)			16.80	18.00	No
	802.11ax(HE80)(RU26)	122	5610	12.44	13.50	No
	802.11ax(HE80)(RU52)			15.40	16.50	No
	802.11ax(HE80)(RU106)			16.94	18.00	No
	802.11ax(HE80)(RU242)			16.88	18.00	No
	802.11ax(HE80)(RU484)			16.74	18.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	11.60	13.50	No
	802.11ax(HE20)(RU52)			14.52	16.50	No
	802.11ax(HE20)(RU106)			17.55	19.50	No
	802.11ax(HE20)(RU26)	157	5785	11.56	13.50	No
	802.11ax(HE20)(RU52)			14.73	16.50	No
	802.11ax(HE20)(RU106)			17.57	19.50	No
	802.11ax(HE20)(RU26)	165	5825	11.65	13.50	No
	802.11ax(HE20)(RU52)			14.85	16.50	No
	802.11ax(HE20)(RU106)			17.80	19.50	No
	802.11ax(HE40)(RU26)	151	5755	11.70	13.50	No
	802.11ax(HE40)(RU52)			14.86	16.50	No
	802.11ax(HE40)(RU106)			17.69	19.50	No
	802.11ax(HE40)(RU242)			20.51	22.50	No
	802.11ax(HE40)(RU26)	159	5795	11.96	13.50	No
	802.11ax(HE40)(RU52)			15.00	16.50	No
	802.11ax(HE40)(RU106)			17.86	19.50	No
	802.11ax(HE40)(RU242)			20.76	22.50	No
	802.11ax(HE80)(RU26)	155	5775	11.82	13.50	No
	802.11ax(HE80)(RU52)			15.01	16.50	No
	802.11ax(HE80)(RU106)			17.76	19.50	No
	802.11ax(HE80)(RU242)			20.64	22.50	No
	802.11ax(HE80)(RU484)			20.51	22.50	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.

8.6.30 5G WIFI LEVEL 5&6 ANT MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.61	18.00	No
		44	5220	17.45	18.00	No
		48	5240	17.97	18.00	No
	802.11n(HT20)	36	5180	17.46	18.00	No
		44	5220	17.45	18.00	No
		48	5240	17.34	18.00	No
	802.11n(HT40)	38	5190	17.46	18.00	Yes
		46	5230	17.36	18.00	No
	802.11ac(VHT20)	36	5180	17.31	18.00	No
		44	5220	17.44	18.00	No
		48	5240	17.50	18.00	No
	802.11ac(VHT40)	38	5190	17.51	18.00	No
		46	5230	17.49	18.00	No
	802.11ac(VHT80)	42	5210	13.66	15.50	No
	802.11ax(HE20)	36	5180	17.17	18.00	No
		44	5220	17.30	18.00	No
		48	5240	17.36	18.00	No
	802.11ax(HE40)	38	5190	17.47	18.00	No
		46	5230	17.42	18.00	No
	802.11ax(HE80)	42	5210	13.58	15.50	No
5.3 (5.25~5.35)	802.11a	52	5260	17.79	18.00	No
		60	5300	17.78	18.00	No
		64	5320	17.68	18.00	No
	802.11n(HT20)	52	5260	17.30	18.00	No
		60	5300	17.26	18.00	No
		64	5320	17.46	18.00	No
	802.11n(HT40)	54	5270	17.45	18.00	No
		62	5310	17.38	18.00	No
	802.11ac(VHT20)	52	5260	17.30	18.00	No
		60	5300	17.35	18.00	No
		64	5320	17.22	18.00	No
	802.11ac(VHT40)	54	5270	17.41	18.00	No
		62	5310	17.42	18.00	No
	802.11ac(VHT80)	58	5290	17.75	18.00	Yes
	802.11ax(HE20)	52	5260	17.30	18.00	No
		60	5300	17.33	18.00	No

		64	5320	17.20	18.00	No
	802.11ax(HE40)	54	5270	17.38	18.00	No
		62	5310	17.31	18.00	No
	802.11ax(HE80)	58	5290	17.62	18.00	No
5.6 (5.47~5.725)	802.11a	100	5500	17.73	18.00	No
		116	5580	17.38	18.00	No
		140	5700	17.22	18.00	No
	802.11n(HT20)	100	5500	17.41	18.00	No
		116	5580	17.55	18.00	No
		140	5700	17.36	18.00	No
	802.11n(HT40)	102	5510	17.53	18.00	No
		118	5590	17.59	18.00	No
		134	5670	17.54	18.00	No
	802.11ac(VHT20)	100	5500	17.36	18.00	No
		116	5580	17.42	18.00	No
		140	5700	17.55	18.00	No
	802.11ac(VHT40)	102	5510	17.60	18.00	No
		118	5590	17.44	18.00	No
		134	5670	17.43	18.00	No
	802.11ac(VHT80)	106	5530	17.48	18.00	No
		122	5690	17.70	18.00	Yes
	802.11ax(HE20)	100	5500	17.31	18.00	No
		116	5580	17.26	18.00	No
		140	5700	17.54	18.00	No
	802.11ax(HE40)	102	5510	17.52	18.00	No
		118	5590	17.42	18.00	No
		134	5670	17.29	18.00	No
	802.11ax(HE80)	106	5530	17.47	18.00	No
		122	5610	17.55	18.00	No
5.8 (5.725~5.850)	802.11a	149	5745	19.00	20.00	No
		157	5785	19.10	20.00	No
		165	5825	18.98	20.00	No
	802.11n(HT20)	149	5745	18.95	20.00	No
		157	5785	18.94	20.00	No
		165	5825	19.05	20.00	No
	802.11n(HT40)	151	5755	19.06	20.00	Yes
		159	5795	19.04	20.00	No
	802.11ac(VHT20)	149	5745	19.17	20.00	No
		157	5785	19.15	20.00	No

		165	5825	18.99	20.00	No
	802.11ac(VHT40)	151	5755	18.97	20.00	No
		159	5795	18.98	20.00	No
	802.11ac(VHT80)	155	5775	18.85	19.00	No
	802.11ax(HE20)	149	5745	19.14	20.00	No
		157	5785	18.98	20.00	No
		165	5825	18.92	20.00	No
	802.11ax(HE40)	151	5755	18.85	20.00	No
		159	5795	18.92	20.00	No
	802.11ax(HE80)	155	5775	18.93	19.00	No
5.2 (5.15~5.25)	802.11ax(HE20)(RU26)	36	5180	11.97	13.50	No
	802.11ax(HE20)(RU52)			15.20	16.50	No
	802.11ax(HE20)(RU106)			16.59	18.00	No
	802.11ax(HE20)(RU26)	44	5220	11.58	13.50	No
	802.11ax(HE20)(RU52)			14.60	16.50	No
	802.11ax(HE20)(RU106)			16.05	18.00	No
	802.11ax(HE20)(RU26)	48	5240	11.94	13.50	No
	802.11ax(HE20)(RU52)			14.98	16.50	No
	802.11ax(HE20)(RU106)			16.27	18.00	No
	802.11ax(HE40)(RU26)	38	5190	12.19	13.50	No
	802.11ax(HE40)(RU52)			15.22	16.50	No
	802.11ax(HE40)(RU106)			16.79	18.00	No
	802.11ax(HE40)(RU242)			16.43	18.00	No
	802.11ax(HE40)(RU26)	46	5230	12.06	13.50	No
	802.11ax(HE40)(RU52)			15.16	16.50	No
	802.11ax(HE40)(RU106)			16.50	18.00	No
	802.11ax(HE40)(RU242)			16.35	18.00	No
	802.11ax(HE80)(RU26)	42	5210	12.33	13.50	No
	802.11ax(HE80)(RU52)			15.43	16.50	No
	802.11ax(HE80)(RU106)			16.80	18.00	No
	802.11ax(HE80)(RU242)			16.44	18.00	No
	802.11ax(HE80)(RU484)			16.28	18.00	No
5.3 (5.25~5.35)	802.11ax(HE20)(RU26)	52	5260	12.00	13.50	No
	802.11ax(HE20)(RU52)			15.21	16.50	No
	802.11ax(HE20)(RU106)			16.60	18.00	No
	802.11ax(HE20)(RU26)	60	5300	11.60	13.50	No
	802.11ax(HE20)(RU52)			14.75	16.50	No
	802.11ax(HE20)(RU106)			16.23	18.00	No
	802.11ax(HE20)(RU26)	64	5320	12.04	13.50	No

	802.11ax(HE20)(RU52)			15.09	16.50	No
	802.11ax(HE20)(RU106)			16.44	18.00	No
	802.11ax(HE40)(RU26)	54	5270	12.56	13.50	No
	802.11ax(HE40)(RU52)			15.53	16.50	No
	802.11ax(HE40)(RU106)			16.86	18.00	No
	802.11ax(HE40)(RU242)			16.76	18.00	No
	802.11ax(HE40)(RU26)	62	5310	12.23	13.50	No
	802.11ax(HE40)(RU52)			15.39	16.50	No
	802.11ax(HE40)(RU106)			16.78	18.00	No
	802.11ax(HE40)(RU242)			16.40	18.00	No
	802.11ax(HE80)(RU26)	58	5290	12.34	13.50	No
	802.11ax(HE80)(RU52)			15.49	16.50	No
	802.11ax(HE80)(RU106)			16.94	18.00	No
	802.11ax(HE80)(RU242)			16.89	18.00	No
	802.11ax(HE80)(RU484)			16.63	18.00	No
5.6 (5.47~5.725)	802.11ax(HE20)(RU26)	100	5500	12.10	13.50	No
	802.11ax(HE20)(RU52)			15.27	16.50	No
	802.11ax(HE20)(RU106)			16.68	18.00	No
	802.11ax(HE20)(RU26)	116	5580	11.68	13.50	No
	802.11ax(HE20)(RU52)			15.15	16.50	No
	802.11ax(HE20)(RU106)			16.45	18.00	No
	802.11ax(HE20)(RU26)	140	5700	11.56	13.50	No
	802.11ax(HE20)(RU52)			14.59	16.50	No
	802.11ax(HE20)(RU106)			16.13	18.00	No
	802.11ax(HE40)(RU26)	102	5510	12.51	13.50	No
	802.11ax(HE40)(RU52)			15.51	16.50	No
	802.11ax(HE40)(RU106)			16.94	18.00	No
	802.11ax(HE40)(RU242)			16.84	18.00	No
	802.11ax(HE40)(RU26)	118	5590	11.99	13.50	No
	802.11ax(HE40)(RU52)			15.21	16.50	No
	802.11ax(HE40)(RU106)			16.54	18.00	No
	802.11ax(HE40)(RU242)			16.40	18.00	No
	802.11ax(HE40)(RU26)	134	5670	11.75	13.50	No
	802.11ax(HE40)(RU52)			15.05	16.50	No
	802.11ax(HE40)(RU106)			16.61	18.00	No
	802.11ax(HE40)(RU242)			16.14	18.00	No
	802.11ax(HE80)(RU26)	106	5530	12.45	13.50	No
	802.11ax(HE80)(RU52)			15.41	16.50	No
	802.11ax(HE80)(RU106)			16.80	18.00	No

	802.11ax(HE80)(RU242)			16.70	18.00	No
	802.11ax(HE80)(RU484)			16.80	18.00	No
	802.11ax(HE80)(RU26)	122	5610	12.44	13.50	No
	802.11ax(HE80)(RU52)			15.40	16.50	No
	802.11ax(HE80)(RU106)			16.94	18.00	No
	802.11ax(HE80)(RU242)			16.88	18.00	No
	802.11ax(HE80)(RU484)			16.74	18.00	No
5.8 (5.725~5.850)	802.11ax(HE20)(RU26)	149	5745	9.49	11.00	No
	802.11ax(HE20)(RU52)			12.69	14.00	No
	802.11ax(HE20)(RU106)			15.53	17.00	No
	802.11ax(HE20)(RU26)	157	5785	9.59	11.00	No
	802.11ax(HE20)(RU52)			12.70	14.00	No
	802.11ax(HE20)(RU106)			15.67	17.00	No
	802.11ax(HE20)(RU26)	165	5825	9.52	11.00	No
	802.11ax(HE20)(RU52)			12.32	14.00	No
	802.11ax(HE20)(RU106)			15.70	17.00	No
	802.11ax(HE40)(RU26)	151	5755	9.78	11.00	No
	802.11ax(HE40)(RU52)			12.50	14.00	No
	802.11ax(HE40)(RU106)			15.44	17.00	No
	802.11ax(HE40)(RU242)			18.41	20.00	No
	802.11ax(HE40)(RU26)	159	5795	9.40	11.00	No
	802.11ax(HE40)(RU52)			12.39	14.00	No
	802.11ax(HE40)(RU106)			15.34	17.00	No
	802.11ax(HE40)(RU242)			18.32	20.00	No
	802.11ax(HE80)(RU26)	155	5775	9.46	11.00	No
	802.11ax(HE80)(RU52)			12.60	14.00	No
	802.11ax(HE80)(RU106)			15.51	17.00	No
	802.11ax(HE80)(RU242)			18.50	20.00	No
	802.11ax(HE80)(RU484)			18.71	20.00	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

Mode	GFSK			$\pi/4$ -DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	13.39	13.59	12.34	10.79	11.41	9.93
Tune-Up Limit (dBm)	14.50	15.50	13.50	12.00	12.50	11.00
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	10.77	11.38	9.88	/	/	/
Tune-Up Limit (dBm)	12.00	12.50	11.00	/		
SAR Test Require	NO	NO	NO			
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	8.56	9.50	7.93	8.59	9.40	7.83
Tune-Up Limit (dBm)	9.50	10.50	9.50	9.50	10.50	9.50
SAR Test Require	NO	NO	NO	NO	NO	NO

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 level	Receiver state	Transmitting conditions	Antenna	Power reduced bands
Level 1	On (head scenario)	WWAN Use Only	Ant.0	GSM850
				WCDMA B5
				LTE B5/12/17/26
				LTE B5(Only for ENDC)
				NR B5(SA&ENDC)
			Ant.1	/
			Ant.3	GSM1900
				WCDMA B2/4
				LTE B2/4/7/38/41
				NR B7/38/41(Only for SA)
Level 2	On (head scenario)	WWAN + WLAN 2.4G&5G	Ant.4	/
			Ant.5	LTE B7(Only for ENDC)
				NR B7(Only for ENDC)
			Ant.6	LTE B7(Only for ENDC)
				NR B7(Only for ENDC)
			Ant.0	GSM850
				WCDMA B5
				LTE B5/12/17/26
				LTE B5(Only for ENDC)
				NR B5(SA&ENDC)
			Ant.1	/
			Ant.3	GSM1900
				WCDMA B2/4
				LTE B2/4/7/38/41
				NR B7/38/41(Only for SA)
			Ant.4	/
			Ant.5	LTE B7(Only for ENDC)
				NR B7(Only for ENDC)

			Ant.6	LTE B7(Only for ENDC) NR B7(Only for ENDC)
Level 3	On (head scenario)	WWAN + WLAN 5G+WLAN2.4G	Ant.0	GSM850
				WCDMA B5
				LTE B5/12/17/26
				LTE B5(Only for ENDC)
				NR B5(SA&ENDC)
			Ant.1	/
			Ant.3	GSM1900
				WCDMA B2/4
				LTE B2/4/7/38/41
				NR B7/38/41(Only for SA)
			Ant.4	/
			Ant.5	LTE B7(Only for ENDC) NR B7(Only for ENDC)
			Ant.6	LTE B7(Only for ENDC) NR B7(Only for ENDC)
Level 4	Off (Body-Worn/Extremit scenario)	WWAN Use Only	Ant.0	GSM850
				WCDMA B5
				LTE B5/12/17
				LTE B5(Only for ENDC)
				NR B5(SA&ENDC)
			Ant.1	GSM850
				WCDMA B5
				LTE B5
			Ant.3	WCDMA B2/4
				LTE B2/4/7/41
				NR B7/38/41(Only for SA)
			Ant.4	GSM1900
				WCDMA B2/4
				LTE B2/4/7/41
				NR B7/38/41(Only for SA)
			Ant.5	LTE B7(Only for ENDC) NR B7(Only for ENDC)
			Ant.6	LTE B7(Only for ENDC) NR B7(Only for ENDC)
Level 5	Off (Body-Worn/Hotspot/Extremit scenario)	WWAN + WLAN 2.4G&5G	Ant.0	GSM850
				WCDMA B5
				LTE B5/12/17/26
				LTE B5(Only for ENDC)
				NR B5(SA&ENDC)
			Ant.1	GSM850
				WCDMA B5

				Ant.3	LTE B5/12/17/26
					WCDMA B2/4
					LTE B2/4/7/38/41
					NR B7/38/41(Only for SA)
				Ant.4	GSM1900
					WCDMA B2/4
					LTE B2/4/7/38/41
					NR B7/38/41(Only for SA)
				Ant.5	LTE B7(Only for ENDC)
					NR B7(Only for ENDC)
Level 6	Off (Body-Worn/Hotspot/Extremit scenario)	WWAN + WLAN 5G+WLAN2.4G	Ant.0		GSM850
					WCDMA B5
					LTE B5/12/17/26
					LTE B5(Only for ENDC)
					NR B5(SA&ENDC)
			Ant.1		GSM850
					WCDMA B5
					LTE B5/12/17/26
			Ant.3		WCDMA B2/4
					LTE B2/4/7/38/41
					NR B7/38/41(Only for SA)
			Ant.4		GSM1900
					WCDMA B2/4
					LTE B2/4/7/38/41
					NR B7/38/41(Only for SA)
			Ant.5		LTE B7(Only for ENDC)
					NR B7(Only for ENDC)
			Ant.6		LTE B7(Only for ENDC)
					NR B7(Only for ENDC)

WWAN Power table

Mode	Antenna	WWAN Antenna								
		Full Power	Receiver on			Receiver off				
			Head			Body-Worn&Extremit			Hotspot	
			Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Simultaneous transmission	
				+2.4G WLAN& 5GWLAN	+2.4G+ 5GWLAN		+2.4G WLAN& 5GWLAN	+2.4G+ 5GWLAN	+2.4G WLAN& 5GWLAN	+2.4G+ 5GWLAN
		Off	Level1	Level2	Level3	Level4	Level5	Level6	Level5	Level6
GSM 850	Ant0	33.80	30.80	29.30	29.30	33.30	30.80	30.80	30.80	30.80
GPRS850 1 Tx Slot	Ant0	33.80	30.80	29.30	29.30	33.30	30.80	30.80	30.80	30.80
GPRS850 2 Tx Slots	Ant0	30.80	27.80	26.30	26.30	30.30	27.80	27.80	27.80	27.80

GPRS850 3 Tx Slots	Ant0	29.00	26.00	24.50	24.50	28.50	26.00	26.00	26.00	26.00
GPRS850 4 Tx Slots	Ant0	28.30	25.30	23.80	23.80	27.80	25.30	25.30	25.30	25.30
EGPRS850 1 Tx Slot	Ant0	27.30	24.30	22.80	22.80	26.80	24.30	24.30	24.30	24.30
EGPRS850 2 Tx Slots	Ant0	24.80	21.80	20.30	20.30	24.30	21.80	21.80	21.80	21.80
EGPRS850 3 Tx Slots	Ant0	23.80	20.80	19.30	19.30	23.30	20.80	20.80	20.80	20.80
EGPRS850 4 Tx Slots	Ant0	22.30	19.30	17.80	17.80	21.80	19.30	19.30	19.30	19.30
GSM 850	Ant1	33.70	33.70	33.70	33.70	32.70	31.20	31.20	31.20	31.20
GPRS850 1 Tx Slot	Ant1	33.70	33.70	33.70	33.70	32.70	31.20	31.20	31.20	31.20
GPRS850 2 Tx Slots	Ant1	30.70	30.70	30.70	30.70	29.70	28.20	28.20	28.20	28.20
GPRS850 3 Tx Slots	Ant1	28.90	28.90	28.90	28.90	27.90	26.40	26.40	26.40	26.40
GPRS850 4 Tx Slots	Ant1	28.20	28.20	28.20	28.20	27.20	25.70	25.70	25.70	25.70
EGPRS850 1 Tx Slot	Ant1	27.20	27.20	27.20	27.20	26.20	24.70	24.70	24.70	24.70
EGPRS850 2 Tx Slots	Ant1	24.70	24.70	24.70	24.70	23.70	22.20	22.20	22.20	22.20
EGPRS850 3 Tx Slots	Ant1	23.70	23.70	23.70	23.70	22.70	21.20	21.20	21.20	21.20
EGPRS850 4 Tx Slots	Ant1	22.20	22.20	22.20	22.20	21.20	19.70	19.70	19.70	19.70
GSM 1900	Ant3	30.50	26.50	25.50	25.50	30.50	30.50	30.50	30.50	30.50
GPRS1900 1 Tx Slot	Ant3	30.50	26.50	25.50	25.50	30.50	30.50	30.50	30.50	30.50
GPRS1900 2 Tx Slots	Ant3	27.50	23.50	22.50	22.50	27.50	27.50	27.50	27.50	27.50
GPRS1900 3 Tx Slots	Ant3	25.70	21.70	20.70	20.70	25.70	25.70	25.70	25.70	25.70
GPRS1900 4 Tx Slots	Ant3	25.00	21.00	20.00	20.00	25.00	25.00	25.00	25.00	25.00
EGPRS1900 1 Tx Slot	Ant3	26.00	22.00	21.00	21.00	26.00	26.00	26.00	26.00	26.00
EGPRS1900 2 Tx Slots	Ant3	23.50	19.50	18.50	18.50	23.50	23.50	23.50	23.50	23.50
EGPRS1900 3 Tx Slots	Ant3	22.50	18.50	17.50	17.50	22.50	22.50	22.50	22.50	22.50
EGPRS1900 4 Tx Slots	Ant3	21.00	17.00	16.00	16.00	21.00	21.00	21.00	21.00	21.00
GSM 1900	Ant4	30.80	30.80	30.80	30.80	29.80	27.80	27.80	27.80	27.80
GPRS1900 1 Tx Slot	Ant4	30.80	30.80	30.80	30.80	29.80	27.80	27.80	27.80	27.80
GPRS1900 2 Tx Slots	Ant4	27.80	27.80	27.80	27.80	26.80	24.80	24.80	24.80	24.80
GPRS1900 3 Tx Slots	Ant4	26.00	26.00	26.00	26.00	25.00	23.00	23.00	23.00	23.00
GPRS1900 4 Tx Slots	Ant4	25.30	25.30	25.30	25.30	24.30	22.30	22.30	22.30	22.30
EGPRS1900 1 Tx Slot	Ant4	26.30	26.30	26.30	26.30	25.30	23.30	23.30	23.30	23.30
EGPRS1900 2 Tx Slots	Ant4	23.80	23.80	23.80	23.80	22.80	20.80	20.80	20.80	20.80
EGPRS1900 3 Tx Slots	Ant4	22.80	22.80	22.80	22.80	21.80	19.80	19.80	19.80	19.80
EGPRS1900 4 Tx Slots	Ant4	21.30	21.30	21.30	21.30	20.30	18.30	18.30	18.30	18.30
WCDMA Band2 RMC	Ant3	24.30	17.30	16.30	16.30	21.80	20.30	20.30	20.30	20.30
HSDPA Subtest-1	Ant3	23.80	16.80	15.80	15.80	21.30	19.80	19.80	19.80	19.80
HSDPA Subtest-2	Ant3	23.30	16.30	15.30	15.30	20.80	19.30	19.30	19.30	19.30
HSDPA Subtest-3	Ant3	23.30	16.30	15.30	15.30	20.80	19.30	19.30	19.30	19.30
HSDPA Subtest-4	Ant3	22.80	15.80	14.80	14.80	20.30	18.80	18.80	18.80	18.80
HSUPA Subtest-1	Ant3	21.80	14.80	13.80	13.80	19.30	17.80	17.80	17.80	17.80
HSUPA Subtest-2	Ant3	19.80	12.80	11.80	11.80	17.30	15.80	15.80	15.80	15.80
HSUPA Subtest-3	Ant3	20.80	13.80	12.80	12.80	18.30	16.80	16.80	16.80	16.80
HSUPA Subtest-4	Ant3	19.80	12.80	11.80	11.80	17.30	15.80	15.80	15.80	15.80
HSUPA Subtest-5	Ant3	23.30	16.30	15.30	15.30	20.80	19.30	19.30	19.30	19.30

WCDMA Band2 RMC	Ant4	24.80	24.80	24.80	24.80	21.30	19.30	19.30	19.30	19.30
HSDPA Subtest-1	Ant4	23.80	23.80	23.80	23.80	20.30	18.30	18.30	18.30	18.30
HSDPA Subtest-2	Ant4	23.80	23.80	23.80	23.80	20.30	18.30	18.30	18.30	18.30
HSDPA Subtest-3	Ant4	23.30	23.30	23.30	23.30	19.80	17.80	17.80	17.80	17.80
HSDPA Subtest-4	Ant4	23.30	23.30	23.30	23.30	19.80	17.80	17.80	17.80	17.80
HSUPA Subtest-1	Ant4	22.30	22.30	22.30	22.30	18.80	16.80	16.80	16.80	16.80
HSUPA Subtest-2	Ant4	20.30	20.30	20.30	20.30	16.80	14.80	14.80	14.80	14.80
HSUPA Subtest-3	Ant4	21.30	21.30	21.30	21.30	17.80	15.80	15.80	15.80	15.80
HSUPA Subtest-4	Ant4	20.30	20.30	20.30	20.30	16.80	14.80	14.80	14.80	14.80
HSUPA Subtest-5	Ant4	23.80	23.80	23.80	23.80	20.30	18.30	18.30	18.30	18.30
WCDMA Band4 RMC	Ant3	24.30	17.80	16.80	16.80	21.80	20.30	20.30	20.30	20.30
HSDPA Subtest-1	Ant3	23.30	16.80	15.80	15.80	20.80	19.30	19.30	19.30	19.30
HSDPA Subtest-2	Ant3	23.30	16.80	15.80	15.80	20.80	19.30	19.30	19.30	19.30
HSDPA Subtest-3	Ant3	22.80	16.30	15.30	15.30	20.30	18.80	18.80	18.80	18.80
HSDPA Subtest-4	Ant3	22.80	16.30	15.30	15.30	20.30	18.80	18.80	18.80	18.80
HSUPA Subtest-1	Ant3	21.80	15.30	14.30	14.30	19.30	17.80	17.80	17.80	17.80
HSUPA Subtest-2	Ant3	19.80	13.30	12.30	12.30	17.30	15.80	15.80	15.80	15.80
HSUPA Subtest-3	Ant3	20.80	14.30	13.30	13.30	18.30	16.80	16.80	16.80	16.80
HSUPA Subtest-4	Ant3	19.80	13.30	12.30	12.30	17.30	15.80	15.80	15.80	15.80
HSUPA Subtest-5	Ant3	23.30	16.80	15.80	15.80	20.80	19.30	19.30	19.30	19.30
WCDMA Band4 RMC	Ant4	24.80	24.80	24.80	24.80	22.30	20.30	20.30	20.30	20.30
HSDPA Subtest-1	Ant4	23.80	23.80	23.80	23.80	21.30	19.30	19.30	19.30	19.30
HSDPA Subtest-2	Ant4	23.80	23.80	23.80	23.80	21.30	19.30	19.30	19.30	19.30
HSDPA Subtest-3	Ant4	23.30	23.30	23.30	23.30	20.80	18.80	18.80	18.80	18.80
HSDPA Subtest-4	Ant4	23.30	23.30	23.30	23.30	20.80	18.80	18.80	18.80	18.80
HSUPA Subtest-1	Ant4	22.30	22.30	22.30	22.30	19.80	17.80	17.80	17.80	17.80
HSUPA Subtest-2	Ant4	20.30	20.30	20.30	20.30	17.80	15.80	15.80	15.80	15.80
HSUPA Subtest-3	Ant4	21.30	21.30	21.30	21.30	18.80	16.80	16.80	16.80	16.80
HSUPA Subtest-4	Ant4	20.30	20.30	20.30	20.30	17.80	15.80	15.80	15.80	15.80
HSUPA Subtest-5	Ant4	23.80	23.80	23.80	23.80	21.30	19.30	19.30	19.30	19.30
WCDMA Band5 RMC	Ant0	24.80	21.30	20.30	20.30	23.80	21.80	21.80	21.80	21.80
HSDPA Subtest-1	Ant0	23.80	20.30	19.30	19.30	22.80	20.80	20.80	20.80	20.80
HSDPA Subtest-2	Ant0	23.80	20.30	19.30	19.30	22.80	20.80	20.80	20.80	20.80
HSDPA Subtest-3	Ant0	23.30	19.80	18.80	18.80	22.30	20.30	20.30	20.30	20.30
HSDPA Subtest-4	Ant0	23.30	19.80	18.80	18.80	22.30	20.30	20.30	20.30	20.30
HSUPA Subtest-1	Ant0	22.30	18.80	17.80	17.80	21.30	19.30	19.30	19.30	19.30
HSUPA Subtest-2	Ant0	21.80	18.30	17.30	17.30	20.80	18.80	18.80	18.80	18.80
HSUPA Subtest-3	Ant0	21.80	18.30	17.30	17.30	20.80	18.80	18.80	18.80	18.80
HSUPA Subtest-4	Ant0	21.30	17.80	16.80	16.80	20.30	18.30	18.30	18.30	18.30
HSUPA Subtest-5	Ant0	23.80	20.30	19.30	19.30	22.80	20.80	20.80	20.80	20.80
WCDMA Band5 RMC	Ant1	24.70	24.70	24.70	24.70	24.20	22.70	22.70	22.70	22.70
HSDPA Subtest-1	Ant1	23.70	23.70	23.70	23.70	23.20	21.70	21.70	21.70	21.70
HSDPA Subtest-2	Ant1	23.70	23.70	23.70	23.70	23.20	21.70	21.70	21.70	21.70

HSDPA Subtest-3	Ant1	23.20	23.20	23.20	23.20	22.70	21.20	21.20	21.20	21.20
HSDPA Subtest-4	Ant1	23.20	23.20	23.20	23.20	22.70	21.20	21.20	21.20	21.20
HSUPA Subtest-1	Ant1	22.20	22.20	22.20	22.20	21.70	20.20	20.20	20.20	20.20
HSUPA Subtest-2	Ant1	21.70	21.70	21.70	21.70	21.20	19.70	19.70	19.70	19.70
HSUPA Subtest-3	Ant1	21.70	21.70	21.70	21.70	21.20	19.70	19.70	19.70	19.70
HSUPA Subtest-4	Ant1	21.20	21.20	21.20	21.20	20.70	19.20	19.20	19.20	19.20
HSUPA Subtest-5	Ant1	23.70	23.70	23.70	23.70	23.20	21.70	21.70	21.70	21.70
LTE Band2	Ant3	23.80	17.30	15.80	15.80	21.30	20.30	20.30	20.30	20.30
LTE Band2	Ant4	24.30	24.30	24.30	24.30	21.30	19.30	19.30	19.30	19.30
LTE Band4	Ant3	23.80	17.80	16.30	16.30	21.80	20.30	20.30	20.30	20.30
LTE Band4	Ant4	24.30	24.30	24.30	24.30	21.80	19.80	19.80	19.80	19.80
LTE Band5	Ant0	24.80	21.80	20.30	20.30	24.30	22.30	22.30	22.30	22.30
LTE Band5	Ant1	24.70	24.70	24.70	24.70	24.20	22.20	22.20	22.20	22.20
LTE Band7	Ant3	23.70	16.20	14.70	14.70	20.70	18.20	18.20	18.20	18.20
LTE Band7	Ant4	24.30	24.30	24.30	24.30	21.80	20.30	20.30	20.30	20.30
LTE Band12	Ant0	24.80	22.80	21.30	21.30	23.80	21.30	21.30	21.30	21.30
LTE Band12	Ant1	24.70	24.70	24.70	24.70	24.70	23.20	23.20	23.20	23.20
LTE Band17	Ant0	24.80	22.80	21.30	21.30	23.80	21.30	21.30	21.30	21.30
LTE Band17	Ant1	24.70	24.70	24.70	24.70	24.70	23.20	23.20	23.20	23.20
LTE Band26	Ant0	24.80	22.30	20.80	20.80	24.80	22.80	22.80	22.80	22.80
LTE Band26	Ant1	24.70	24.70	24.70	24.70	24.70	24.20	24.20	24.20	24.20
LTE Band38	Ant3	23.70	20.70	19.20	19.20	23.70	21.70	21.70	21.70	21.70
LTE Band38	Ant4	24.30	24.30	24.30	24.30	24.30	22.30	22.30	22.30	22.30
LTE Band41	Ant3	24.20	18.70	17.70	17.70	22.20	19.70	19.70	19.70	19.70
LTE Band41	Ant4	24.80	24.80	24.80	24.80	24.30	22.30	22.30	22.30	22.30

EN-DC Configurations	E-UTRA	NR	Antenna Configurations			
	Band	Band	1	2	3	4
7A+n5A	LTE Band7	n5	LTE Ant.5	LTE Ant.5	LTE Ant.6	LTE Ant.6
			nr Ant.0	nr Ant.1	nr Ant.0	nr Ant.1
5A+n7A	LTE Band5	n7	LTE Ant.0	LTE Ant.0	LTE Ant.1	LTE Ant.1
			nr Ant.5	nr Ant.6	nr Ant.5	nr Ant.6

Mode	Band	Antenna	SA&ENDC Antenna								
			Full Power	Receiver on			Receiver off				
				Head			Body-Worn&Extremit			Hotspot	
				Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Simultaneous transmission	
					+2.4G&5G	+2.4G+5G		+2.4G&5G	+2.4G+5G	+2.4G	+2.4G+5G
					WLAN	WLAN		WLAN	WLAN	WLAN	WLAN
			Off	Level1	Level2	Level3	Level4	Level5	Level6	Level5	Level6
5G NR n5 (SA)	n5	Ant.0	24.70	21.70	20.70	20.70	24.20	22.20	22.20	22.20	22.20
5G NR n5 (SA)	n5	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
DC_7A+n5A	n5	Ant.0	24.70	19.20	17.20	17.20	22.20	18.20	18.20	18.20	18.20
	n5	Ant.1	24.50	24.50	24.50	24.50	24.50	23.00	23.00	23.00	23.00
	LTE Band7	Ant.5	24.30	15.80	13.80	13.80	19.30	17.30	17.30	17.30	17.30
	LTE Band7	Ant.6	22.70	16.70	14.70	14.70	18.70	16.20	16.20	16.20	16.20
5G NR n7 (SA)	n7	Ant.3	23.60	16.10	15.60	15.60	20.60	18.60	18.60	18.60	18.60
5G NR n7 (SA)	n7	Ant.4	24.20	24.20	24.20	24.20	22.20	20.70	20.70	20.70	20.70
DC_5A+n7A	n7	Ant.5	24.20	16.20	14.20	14.20	19.20	17.20	17.20	17.20	17.20
	n7	Ant.6	22.60	17.60	15.60	15.60	18.60	15.10	15.10	15.10	15.10
	LTE Band5	Ant.0	24.80	18.80	16.80	16.80	22.30	18.30	18.30	18.30	18.30
	LTE Band5	Ant.1	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70	24.70
5G NR n38 (SA)	n38	Ant.3	24.10	16.60	16.10	16.10	20.10	18.10	18.10	18.10	18.10
5G NR n38 (SA)	n38	Ant.4	24.70	24.70	24.70	24.70	22.20	22.20	22.20	22.20	22.20
5G NR n41 (SA)	n41	Ant.3	24.10	16.60	16.10	16.10	20.60	19.10	19.10	19.10	19.10
5G NR n41 (SA)	n41	Ant.4	24.70	24.70	24.70	24.70	22.20	22.20	22.20	22.20	22.20

WLAN Reduced power level table

Reduced level	Receiver state	Transmitting	Antenna	Power reduced bands
		conditions		
Level 1	On (head scenario)	WLAN Use Only	Ant.6	WiFI 2.4G
			Ant.8	WiFI 2.4G
			Ant.9	WiFI 5.2G/5.3G/5.6G/5.8G
			Ant.11	WiFI 5.2G/5.3G/5.6G/5.8G
			MIMO	WiFI 2.4G
				WiFI 5.2G/5.3G/5.6G/5.8G
Level 2	On (head scenario)	WWAN + WLAN 2.4G&5G	Ant.6	WiFI 2.4G
			Ant.8	WiFI 2.4G
			Ant.9	WiFI 5.2G/5.3G/5.6G/5.8G
			Ant.11	WiFI 5.2G/5.3G/5.6G/5.8G
			MIMO	WiFI 2.4G
				WiFI 5.2G/5.3G/5.6G/5.8G
Level 3	On (head scenario)	WWAN + WLAN 5G+WLAN2.4G	Ant.6	WiFI 2.4G
			Ant.8	WiFI 2.4G
			Ant.9	WiFI 5.2G/5.3G/5.6G/5.8G
			Ant.11	WiFI 5.2G/5.3G/5.6G/5.8G
			MIMO	WiFI 2.4G
				WiFI 5.2G/5.3G/5.6G/5.8G
Level 4	Off (Body-Worn/Hotspot/Extremit scenario)	WLAN Use Only	Ant.6	/
			Ant.8	/
			Ant.9	/
			Ant.11	/
			MIMO	/
				/
Level 5	Off (Body-Worn/Hotspot/Extremit scenario)	WWAN + WLAN 2.4G&5G	Ant.6	WiFI 2.4G
			Ant.8	WiFI 2.4G
			Ant.9	WiFI 5.8G
			Ant.11	WiFI 5.8G
			MIMO	WiFI 2.4G
				WiFI 5.8G
Level 6	Off (Body-Worn/Hotspot/Extremit scenario)	WWAN + WLAN 5G + WLAN2.4G	Ant.6	WiFI 2.4G
			Ant.8	WiFI 2.4G
			Ant.9	WiFI 5.8G
			Ant.11	WiFI 5.8G
			MIMO	WiFI 2.4G
				WiFI 5.8G

WLAN Reduced power level table

Mode	WLAN 2.4G Antenna 9 & WLAN 2.4G Antenna 11										
	Full Power	Receiver on			Receiver off						
		Head			Body-Worn&Extremit				Hotspot		
		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Simultaneous transmission			
			WWAN+2.4G WIFI+5GWIFI	WWAN+2.4G WIFI+5G WIFI		WWAN+2.4G WIFI+5GWIFI	WWAN+2.4G WIFI+5G WIFI	2.4GWIFI+5G WIFI	WWAN+2.4G WIFI&5GWIFI	WWAN+2.4G WIFI+5G WIFI	
		Off	Level1	Level2	Level3	Levle4	Level5	Level6	Level4	Level5	Level6
2.4G WLAN 802.11b	19.00	15.50	13.00	13.00	19.00	17.50	17.50	19.00	17.50	17.50	
2.4G WLAN 802.11g	19.00	15.50	13.00	13.00	19.00	17.50	17.50	19.00	17.50	17.50	
2.4G WLAN802.11n20	19.00	15.50	13.00	13.00	19.00	17.50	17.50	19.00	17.50	17.50	
2.4G WLAN802.11n40	17.00	15.50	13.00	13.00	17.00	17.00	17.00	17.00	17.00	17.00	
2.4G WLAN802.11ac20	19.00	15.50	13.00	13.00	19.00	17.50	17.50	19.00	17.50	17.50	
2.4G WLAN 802.11ac40	16.50	15.50	13.00	13.00	16.50	16.50	16.50	16.50	16.50	16.50	
2.4G WLAN 802.11ax20	19.00	15.50	13.00	13.00	19.00	17.50	17.50	19.00	17.50	17.50	
2.4G WLAN 802.11ax40	15.50	15.50	13.00	13.00	15.50	15.50	15.50	15.50	15.50	15.50	
5.2G WLAN 802.11a	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00	
5.2G WLAN 802.11n20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00	
5.2G WLAN 802.11n40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00	
5.2G WLAN 802.11ac20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00	
5.2G WLAN 802.11ac40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00	
5.2G WLAN 802.11ac80	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00	
5.2G WLAN 802.11ax20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00	
5.2G WLAN 802.11ax40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00	
5.2G WLAN 802.11ax80	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00	
5.3G WLAN 802.11a	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.3G WLAN 802.11n20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.3G WLAN 802.11n40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.3G WLAN 802.11ac20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.3G WLAN 802.11ac40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.3G WLAN 802.11ac80	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.3G WLAN 802.11ax20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.3G WLAN 802.11ax40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.3G WLAN 802.11ax80	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.6G WLAN 802.11a	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.6G WLAN 802.11n20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.6G WLAN 802.11n40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.6G WLAN 802.11ac20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.6G WLAN 802.11ac40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.6G WLAN 802.11ac80	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.6G WLAN 802.11ax20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.6G WLAN 802.11ax40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	
5.6G WLAN 802.11ax80	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/	

5.8G WLAN 802.11a	19.50	13.00	8.50	8.50	19.50	17.00	17.00	19.50	17.00	17.00
5.8G WLAN 802.11n20	19.50	13.00	8.50	8.50	19.50	17.00	17.00	19.50	17.00	17.00
5.8G WLAN 802.11n40	19.50	13.00	8.50	8.50	19.50	17.00	17.00	19.50	17.00	17.00
5.8G WLAN 802.11ac20	19.50	13.00	8.50	8.50	19.50	17.00	17.00	19.50	17.00	17.00
5.8G WLAN 802.11ac40	19.50	13.00	8.50	8.50	19.50	17.00	17.00	19.50	17.00	17.00
5.8G LAN 802.11ac80	18.50	12.00	7.50	7.50	18.50	16.00	16.00	18.50	17.00	17.00
5.8G WLAN 802.11ax20	19.50	13.00	8.50	8.50	19.50	17.00	17.00	19.50	16.00	16.00
5.8G WLAN 802.11ax40	19.50	13.00	8.50	8.50	19.50	17.00	17.00	19.50	17.00	17.00
5.8G LAN 802.11ax80	18.50	12.00	7.50	7.50	18.50	16.00	16.00	18.50	16.00	16.00
Bluetooth	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50

WLAN Reduced power level table

Mode	WLAN 2.4G Antenna 6 & WLAN 2.4G Antenna 8									
	Full Power	Receiver on			Receiver off					
		Head			Body-Worn&Extremit			Hotspot		
		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Simultaneous transmission		
			WWAN+2.4G WIFI&5GWIFI	WWAN+2.4G WIFI+5G WIFI		WWAN+2.4G WIFI&5GWIFI	WWAN+2.4G WIFI+5G WIFI	2.4GWIFI+5G WIFI	WWAN+2.4G WIFI&5GWIFI	WWAN+2.4G WIFI+5G WIFI
		Off	Level1	Level2	Level3	Levle4	Level5	Level6	Level4	Level5
2.4G WLAN 802.11b	19.00	16.50	13.00	13.00	19.00	17.50	17.50	19.00	17.50	17.50
2.4G WLAN 802.11g	19.00	16.50	13.00	13.00	19.00	17.50	17.50	19.00	17.50	17.50
2.4G WLAN 802.11n20	19.00	16.50	13.00	13.00	19.00	17.50	17.50	19.00	17.50	17.50
2.4G WLAN 802.11n40	14.50	14.50	13.00	13.00	14.50	14.50	14.50	14.50	14.50	14.50
2.4G WLAN 802.11ac20	19.00	16.50	13.00	13.00	19.00	17.50	17.50	19.00	17.50	17.50
2.4G WLAN 802.11ac40	15.50	15.50	13.00	13.00	15.50	15.50	15.50	15.50	15.50	15.50
2.4G WLAN 802.11ax20	19.00	16.50	13.00	13.00	19.00	17.50	17.50	19.00	17.50	17.50
2.4G WLAN 802.11ax40	15.00	15.00	13.00	13.00	15.00	15.00	15.00	15.00	15.00	15.00
5.2G WLAN 802.11a	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00
5.2G WLAN 802.11n20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00
5.2G WLAN 802.11n40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00
5.2G WLAN 802.11ac20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00
5.2G WLAN 802.11ac40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00
5.2G WLAN 802.11ac80	14.50	14.00	9.00	9.00	14.50	14.50	14.50	14.50	14.50	14.50
5.2G WLAN 802.11ax20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00
5.2G WLAN 802.11ax40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	15.00	15.00	15.00
5.2G WLAN 802.11ax80	14.50	14.00	9.00	9.00	14.50	14.50	14.50	14.50	14.50	14.50
5.3G WLAN 802.11a	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.3G WLAN 802.11n20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.3G WLAN 802.11n40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.3G WLAN 802.11ac20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.3G WLAN 802.11ac40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.3G WLAN 802.11ac80	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.3G WLAN 802.11ax20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/

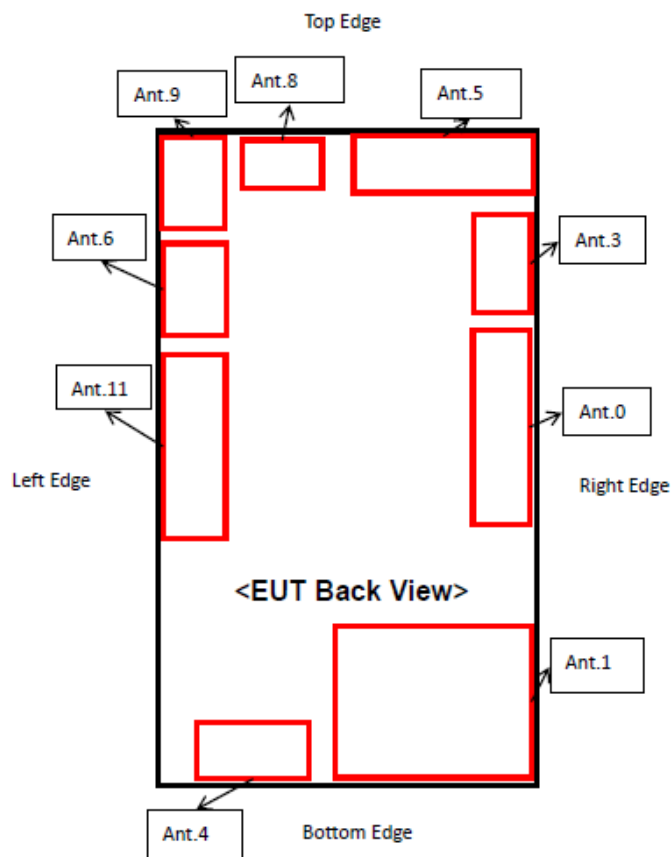
5.3G WLAN 802.11ax40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.3G WLAN 802.11ax80	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.6G WLAN 802.11a	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.6G WLAN 802.11n20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.6G WLAN 802.11n40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.6G WLAN 802.11ac20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.6G WLAN 802.11ac40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.6G WLAN 802.11ac80	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.6G WLAN 802.11ax20	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.6G WLAN 802.11ax40	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.6G WLAN 802.11ax80	15.00	14.00	9.00	9.00	15.00	15.00	15.00	/	/	/
5.8G WLAN 802.11a	19.50	13.00	8.50	8.50	19.50	17.00	17.00	19.50	17.00	17.00
5.8G WLAN 802.11n20	19.50	13.00	8.50	8.50	19.50	17.00	17.00	19.50	17.00	17.00
5.8G WLAN 802.11n40	19.50	13.00	8.50	8.50	19.50	17.00	17.00	19.50	17.00	17.00
5.8G WLAN 802.11ac20	19.50	13.00	8.50	8.50	19.50	17.00	17.00	19.50	17.00	17.00
5.8G WLAN 802.11ac40	19.50	13.00	8.50	8.50	19.50	17.00	17.00	19.50	17.00	17.00
5.8G LAN 802.11ac80	18.50	12.00	7.50	7.50	18.50	16.00	16.00	18.50	16.00	16.00
5.8G WLAN 802.11ax20	19.50	13.00	8.50	8.50	19.50	17.00	17.00	19.50	17.00	17.00
5.8G WLAN 802.11ax40	19.50	13.00	8.50	8.50	19.50	17.00	17.00	19.50	17.00	17.00
5.8G LAN 802.11ax80	18.50	12.00	7.50	7.50	18.50	16.00	16.00	18.50	16.00	16.00
Bluetooth	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50

WLAN Reduced power level table

Mode	WLAN 2.4G Antenna MIMO & WLAN 2.4G Antenna MIMO									
	Full Power	Receiver on			Receiver off					
		Head			Body-Worn&Extremit			Hotspot	Hotspot	
		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission		Simultaneous transmission		
			WWAN+2.4G	WWAN+2.4G		WWAN+2.4G	WWAN+2.4G	2.4GWIFI+5G	WWAN+2.4G	WWAN+2.4G
			WIFI&5GWIFI	WIFI+5G WIFI		WIFI&5GWIFI	WIFI+5G WIFI	WIFI	WIFI&5GWIFI	WIFI+5G WIFI
Off	Level1	Level2	Level3	Levle4	Level5	Level6	Level4	Level5	Level6	
2.4G WLAN 802.11b	22.00	18.50	16.00	16.00	22.00	20.50	20.50	22.00	20.50	20.50
2.4G WLAN 802.11g	22.00	18.50	16.00	16.00	22.00	20.50	20.50	22.00	20.50	20.50
2.4G WLAN 802.11n20	22.00	18.50	16.00	16.00	22.00	20.50	20.50	22.00	20.50	20.50
2.4G WLAN 802.11n40	16.50	16.50	16.00	16.00	16.50	16.50	16.50	16.50	16.50	16.50
2.4G WLAN 802.11ac20	22.00	18.50	16.00	16.00	22.00	20.50	20.50	22.00	20.50	20.50
2.4G WLAN 802.11ac40	19.00	18.50	16.00	16.00	19.00	19.00	19.00	19.00	19.00	19.00
2.4G WLAN 802.11ax20	22.00	18.50	16.00	16.00	22.00	20.50	20.50	22.00	20.50	20.50
2.4G WLAN 802.11ax40	17.50	17.50	16.00	16.00	17.50	17.50	17.50	17.50	17.50	17.50
5.2G WLAN 802.11a	18.00	16.00	12.00	12.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11n20	18.00	16.00	12.00	12.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11n40	18.00	16.00	12.00	12.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11ac20	18.00	16.00	12.00	12.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11ac40	18.00	16.00	12.00	12.00	18.00	18.00	18.00	18.00	18.00	18.00

5.2G WLAN 802.11ac80	15.50	15.50	12.00	12.00	15.50	15.50	15.50	15.50	15.50	15.50
5.2G WLAN 802.11ax20	18.00	16.00	12.00	12.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11ax40	18.00	16.00	12.00	12.00	18.00	18.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11ax80	18.00	16.00	12.00	12.00	18.00	15.50	15.50	18.00	15.50	15.50
5.3G WLAN 802.11a	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.3G WLAN 802.11n20	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.3G WLAN 802.11n40	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.3G WLAN 802.11ac20	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.3G WLAN 802.11ac40	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.3G WLAN 802.11ac80	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.3G WLAN 802.11ax20	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.3G WLAN 802.11ax40	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.3G WLAN 802.11ax80	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.6G WLAN 802.11a	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.6G WLAN 802.11n20	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.6G WLAN 802.11n40	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.6G WLAN 802.11ac20	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.6G WLAN 802.11ac40	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.6G WLAN 802.11ac80	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.6G WLAN 802.11ax20	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.6G WLAN 802.11ax40	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.6G WLAN 802.11ax80	18.00	16.00	12.00	12.00	18.00	18.00	18.00	/	/	/
5.8G WLAN 802.11a	22.50	15.00	11.50	11.50	22.50	20.00	20.00	22.50	20.00	20.00
5.8G WLAN 802.11n20	22.50	15.00	11.50	11.50	22.50	20.00	20.00	22.50	20.00	20.00
5.8G WLAN 802.11n40	22.50	15.00	11.50	11.50	22.50	20.00	20.00	22.50	20.00	20.00
5.8G WLAN 802.11ac20	22.50	15.00	11.50	11.50	22.50	20.00	20.00	22.50	20.00	20.00
5.8G WLAN 802.11ac40	21.50	15.00	11.50	11.50	21.50	20.00	20.00	21.50	20.00	20.00
5.8G LAN 802.11ac80	21.50	14.00	10.50	10.50	21.50	19.00	19.00	21.50	19.00	19.00
5.8G WLAN 802.11ax20	22.50	15.00	11.50	11.50	22.50	20.00	20.00	22.50	20.00	20.00
5.8G WLAN 802.11ax40	21.50	15.00	11.50	11.50	21.50	20.00	20.00	21.50	20.00	20.00
5.8G LAN 802.11ax80	21.50	14.00	10.50	10.50	21.50	19.00	19.00	21.50	19.00	19.00
Bluetooth	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50

9 TEST EXCLUSION CONSIDERATION



Antenna	Description	Support Bands
Antenna 0	2/3/4G LB TX Antenna 5G NR LB TX Antenna	GSM 850 WCDMA Band5 LTE Band5/12/17/26 LTE Band5(Only for ENDC) NR Band5 NR Band5 (Only for ENDC)
Antenna 1	2/3/4G LB TX Antenna 5G NR LB TX Antenna	GSM 850 WCDMA Band5 LTE Band5/12/17/26 LTE Band5(Only for ENDC) NR Band5 NR Band5 (Only for ENDC)
Antenna 3	2/3/4G MHB TX Antenna 5G NR MHB TX Antenna	GSM 1900 WCDMA Band2/4 LTE Band2/4/7/38/41 NR Band7/38/41
Antenna 4	2/3/4G MHB TX Antenna 5G NR MHB TX Antenna	GSM 1900 WCDMA Band2/4

		LTE Band2/4/7/38/41 NR Band7/38/41
Antenna 5	4G MHB TX Antenna 5G NR MHB TX Antenna	LTE Band7(Only for ENDC) NR Band7(Only for ENDC)
Antenna 6	4G MHB TX Antenna 5G NR MHB TX Antenna 2.4G TX Antenna	LTE Band7(Only for ENDC) NR Band7(Only for ENDC) 2.4G WLAN
Antenna 8	WLAN 5G TX Antenna	5G WLAN
Antenna 9	WLAN 2.4G TX Antenna Bluetooth TX Antenna	2.4G WLAN Bluetooth
Antenna 11	WLAN 5G TX Antenna	5G WLAN

Note1: WWAN TX antennas for certain frequency band can switch automatically, but only one antenna can transmit at same time.

Note2: Middle and High frequency Band (MHB).

Note3: Low frequency Band (LB).

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge(mm)	Bottom Edge(mm)
Ant.0	<25	<25	>25	<25	>25	>25
Ant.1	<25	<25	>25	<25	>25	<25
Ant.3	<25	<25	>25	<25	<25	>25
Ant.4	<25	<25	<25	>25	>25	<25
Ant.5	<25	<25	>25	<25	<25	>25
Ant.6	<25	<25	<25	>25	<25	>25
Ant.8	<25	<25	<25	>25	<25	>25
Ant.9	<25	<25	<25	>25	<25	>25
Ant.11	<25	<25	<25	>25	>25	>25

Note: 1.Per KDB 941225 DO6,When the overall length and width of a device is > 9 cm *5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.

9.1 SAR Test Exclusion Consideration Table

According with FCC KDB 447498 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	>25mm	<5mm	>25mm	>25mm
	Data	33.80	2398.83	Yes	Yes	No	Yes	No	No
WCDMA Band 5	Distance to User			<5mm	<5mm	>25mm	<5mm	>25mm	>25mm
	RMC	24.80	302.00	Yes	Yes	No	Yes	No	No
LTE Band 5	Distance to User			<5mm	<5mm	>25mm	<5mm	>25mm	>25mm
	QPSK	24.80	302.00	Yes	Yes	No	Yes	No	No
LTE Band 12	Distance to User			<5mm	<5mm	>25mm	<5mm	>25mm	>25mm
	QPSK	24.80	302.00	Yes	Yes	No	Yes	No	No
LTE Band 17	Distance to User			<5mm	<5mm	>25mm	<5mm	>25mm	>25mm
	QPSK	24.80	302.00	Yes	Yes	No	Yes	No	No
LTE Band 26	Distance to User			<5mm	<5mm	>25mm	<5mm	>25mm	>25mm
	QPSK	24.80	302.00	Yes	Yes	No	Yes	No	No
NR n5	Distance to User			<5mm	<5mm	>25mm	<5mm	>25mm	>25mm
	QPSK	24.70	295.12	Yes	Yes	No	Yes	No	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	>25mm	<5mm	>25mm	<5mm
	Data	33.70	2344.23	Yes	Yes	No	Yes	No	Yes
WCDMA Band 5	Distance to User			<5mm	<5mm	>25mm	<5mm	>25mm	<5mm
	RMC	24.70	295.12	Yes	Yes	No	Yes	No	Yes
LTE Band 5	Distance to User			<5mm	<5mm	>25mm	<5mm	>25mm	<5mm
	QPSK	24.70	295.12	Yes	Yes	No	Yes	No	Yes
LTE Band 12	Distance to User			<5mm	<5mm	>25mm	<5mm	>25mm	<5mm
	QPSK	24.70	295.12	Yes	Yes	No	Yes	No	Yes
LTE Band 17	Distance to User			<5mm	<5mm	>25mm	<5mm	>25mm	<5mm
	QPSK	24.70	295.12	Yes	Yes	No	Yes	No	Yes
LTE Band 26	Distance to User			<5mm	<5mm	>25mm	<5mm	>25mm	<5mm
	QPSK	24.70	295.12	Yes	Yes	No	Yes	No	Yes
NR n5	Distance to User			<5mm	<5mm	>25mm	<5mm	>25mm	<5mm

	QPSK	24.50	281.84	Yes	Yes	No	Yes	No	Yes
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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	>25mm	<5mm	<5mm	>25mm
	Data	30.50	1122.02	Yes	Yes	No	Yes	Yes	No
WCDMA Band 2	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	24.30	269.15	Yes	Yes	No	Yes	Yes	No
WCDMA Band 4	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	24.30	269.15	Yes	Yes	No	Yes	Yes	No
LTE Band 2	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.80	239.88	Yes	Yes	No	Yes	Yes	No
LTE Band 4	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.80	239.88	Yes	Yes	No	Yes	Yes	No
LTE Band 7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.70	234.42	Yes	Yes	No	Yes	Yes	No
LTE Band 38	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.70	234.42	Yes	Yes	No	Yes	Yes	No
LTE Band 41	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.20	263.03	Yes	Yes	No	Yes	Yes	No
NR n7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.60	229.09	Yes	Yes	No	Yes	Yes	No
NR n38	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.10	257.04	Yes	Yes	No	Yes	Yes	No
NR n41	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.10	257.04	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	>25mm	>25mm	<5mm
	Data	30.8	1202.26	Yes	Yes	Yes	No	No	Yes
WCDMA Band 2	Distance to User			<5mm	<5mm	<5mm	>25mm	>25mm	<5mm
	RMC	24.80	302.00	Yes	Yes	Yes	No	No	Yes
WCDMA Band 4	Distance to User			<5mm	<5mm	<5mm	>25mm	>25mm	<5mm
	RMC	24.80	302.00	Yes	Yes	Yes	No	No	Yes

LTE Band 2	Distance to User			<5mm	<5mm	<5mm	>25mm	>25mm	<5mm
	QPSK	24.30	269.15	Yes	Yes	Yes	No	No	Yes
LTE Band 4	Distance to User			<5mm	<5mm	<5mm	>25mm	>25mm	<5mm
	QPSK	24.30	269.15	Yes	Yes	Yes	No	No	Yes
LTE Band 7	Distance to User			<5mm	<5mm	<5mm	>25mm	>25mm	<5mm
	QPSK	24.30	269.15	Yes	Yes	Yes	No	No	Yes
LTE Band 38	Distance to User			<5mm	<5mm	<5mm	>25mm	>25mm	<5mm
	QPSK	24.30	269.15	Yes	Yes	Yes	No	No	Yes
LTE Band 41	Distance to User			<5mm	<5mm	<5mm	>25mm	>25mm	<5mm
	QPSK	24.80	302.00	Yes	Yes	Yes	No	No	Yes
NR n7	Distance to User			<5mm	<5mm	<5mm	>25mm	>25mm	<5mm
	QPSK	24.20	263.03	Yes	Yes	Yes	No	No	Yes
NR n38	Distance to User			<5mm	<5mm	<5mm	>25mm	>25mm	<5mm
	QPSK	24.70	295.15	Yes	Yes	Yes	No	No	Yes
NR n41	Distance to User			<5mm	<5mm	<5mm	>25mm	>25mm	<5mm
	QPSK	24.70	295.15	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	>25mm	<5mm	<5mm	>25mm
	QPSK	24.30	269.15	Yes	Yes	No	Yes	Yes	No
NR n7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.20	263.03	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	>25mm	<5mm	>25mm
	QPSK	22.70	186.21	Yes	Yes	Yes	No	Yes	No
NR n7	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	QPSK	22.60	181.97	Yes	Yes	Yes	No	Yes	No
WLAN 2.4 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11b	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11g	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	14.50	28.18	No	No	No	No	No	No

	VHT20	19.00	79.43	No	No	No	No	No	No
	VHT40	15.50	35.48	No	No	No	No	No	No
	802.11ax(HE20)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE40)	15.00	31.62	No	No	No	No	No	No

ANT8

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 5.2 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	15.00	31.62	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT20)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT40)	15.00	31.62	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	14.50	28.18	No	No	No	No	No	No
	802.11ax(HE20)	15.00	31.62	No	No	No	No	No	No
	802.11ax(HE40)	15.00	31.62	No	No	No	No	No	No
	802.11ax(HE80)	14.50	28.18	No	No	No	No	No	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	15.00	31.62	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT20)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT40)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT80)	15.00	31.62	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE20)	15.00	31.62	No	No	No	No	No	No
	802.11ax(HE40)	15.00	31.62	No	No	No	No	No	No
	802.11ax(HE80)	15.00	31.62	No	No	No	No	No	No
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	15.00	31.62	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT20)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT40)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT80)	15.00	31.62	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE20)	15.00	31.62	No	No	No	No	No	No
	802.11ax(HE40)	15.00	31.62	No	No	No	No	No	No
	802.11ax(HE80)	15.00	31.62	No	No	No	No	No	No
WLAN	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm

5.8 G	802.11a	19.50	89.13	No	No	No	No	No	No
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	18.50	70.79	No	No	No	No	No	No
	802.11ax(HE20)	19.50	89.13	No	No	No	No	No	No
	802.11ax(HE40)	19.50	89.13	No	No	No	No	No	No
	802.11ax(HE80)	18.50	70.79	No	No	No	No	No	No

ANT9

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 2.4 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11b	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11g	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	17.00	50.12	No	No	No	No	No	No
	VHT20	19.00	79.43	No	No	No	No	No	No
	VHT40	16.50	44.67	No	No	No	No	No	No
	802.11ax(HE20)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE40)	15.50	35.48	No	No	No	No	No	No
Bluetooth	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	BR+EDR	15.50	35.48	Yes	Yes	Yes	No	Yes	No
	BLE	10.50	11.22	No	No	No	No	No	No

ANT11

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	<5mm	>25mm	>25mm	>25mm
	802.11a	15.00	31.62	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT20)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT40)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT80)	15.00	31.62	Yes	Yes	Yes	No	No	No
	802.11ax(HE20)	15.00	31.62	No	No	No	No	No	No

	802.11ax(HE40)	15.00	31.62	No	No	No	No	No	No
	802.11ax(HE80)	15.00	31.62	No	No	No	No	No	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	>25mm	>25mm	>25mm
	802.11a	15.00	31.62	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT20)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT40)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT80)	15.00	31.62	Yes	Yes	Yes	No	No	No
	802.11ax(HE20)	15.00	31.62	No	No	No	No	No	No
	802.11ax(HE40)	15.00	31.62	No	No	No	No	No	No
	802.11ax(HE80)	15.00	31.62	No	No	No	No	No	No
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	>25mm	>25mm	>25mm
	802.11a	15.00	31.62	No	No	No	No	No	No
	802.11n(HT20)	15.00	31.62	No	No	No	No	No	No
	802.11n(HT40)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT20)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT40)	15.00	31.62	No	No	No	No	No	No
	802.11ac(VHT80)	15.00	31.62	Yes	Yes	Yes	No	No	No
	802.11ax(HE20)	15.00	31.62	No	No	No	No	No	No
	802.11ax(HE40)	15.00	31.62	No	No	No	No	No	No
	802.11ax(HE80)	15.00	31.62	No	No	No	No	No	No
WLAN 5.8 G	Distance to User			<5mm	<5mm	<5mm	>25mm	>25mm	>25mm
	802.11a	19.50	89.13	No	No	No	No	No	No
	802.11n(HT20)	19.50	89.13	No	No	No	No	No	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	Yes	No	No	No
	802.11ac(VHT20)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT40)	19.50	89.13	No	No	No	No	No	No
	802.11ac(VHT80)	18.50	70.79	No	No	No	No	No	No
	802.11ax(HE20)	19.50	89.13	No	No	No	No	No	No
	802.11ax(HE40)	19.50	89.13	No	No	No	No	No	No
	802.11ax(HE80)	18.50	70.79	No	No	No	No	No	No

10 TEST RESULT

10.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.0	Level1	DATA 4 slots	Left Cheek	0	251	848.8	0.19	0.542	24.96	25.30	1.081	0.586	1#
Ant.0	Level1	DATA 4 slots	Left Tilt	0	251	848.8	0.16	0.090	24.96	25.30	1.081	0.097	/
Ant.0	Level1	DATA 4 slots	Right Cheek	0	251	848.8	0.12	0.183	24.96	25.30	1.081	0.198	/
Ant.0	Level1	DATA 4 slots	Right Tilt	0	251	848.8	0.14	0.069	24.96	25.30	1.081	0.074	/
Ant.0	Level2&3	DATA 4 slots	Left Cheek	0	251	848.8	-0.04	0.372	23.46	23.80	1.081	0.402	/
Ant.0	Level2&3	DATA 4 slots	Left Tilt	0	251	848.8	-0.17	0.061	23.46	23.80	1.081	0.066	/
Ant.0	Level2&3	DATA 4 slots	Right Cheek	0	251	848.8	0.14	0.126	23.46	23.80	1.081	0.136	/
Ant.0	Level2&3	DATA 4 slots	Right Tilt	0	251	848.8	-0.13	0.051	23.46	23.80	1.081	0.055	/
Ant.1	Level1&2&3	DATA 4 slots	Left Cheek	0	251	848.8	-0.03	0.165	27.96	28.20	1.057	0.174	/
Ant.1	Level1&2&3	DATA 4 slots	Left Tilt	0	251	848.8	-0.16	0.074	27.96	28.20	1.057	0.078	/
Ant.1	Level1&2&3	DATA 4 slots	Right Cheek	0	251	848.8	-0.13	0.141	27.96	28.20	1.057	0.149	/
Ant.1	Level1&2&3	DATA 4 slots	Right Tilt	0	251	848.8	0.04	0.073	27.96	28.20	1.057	0.077	/
Body-worn													
Ant.0	Level4	DATA 4 slots	Front Side	15	251	848.8	-0.17	0.311	27.29	27.80	1.125	0.350	/
Ant.0	Level4	DATA 4 slots	Back Side	15	251	848.8	-0.06	0.378	27.29	27.80	1.125	0.425	2#
Ant.0	Level5&6	DATA 4 slots	Front Side	15	251	848.8	0.06	0.171	24.96	25.30	1.081	0.185	/
Ant.0	Level5&6	DATA 4 slots	Back Side	15	251	848.8	-0.14	0.206	24.96	25.30	1.081	0.223	/
Ant.1	Level4	DATA 4 slots	Front Side	15	251	848.8	0.01	0.101	26.86	27.20	1.081	0.109	/
Ant.1	Level4	DATA 4 slots	Back Side	15	251	848.8	0.15	0.116	26.86	27.20	1.081	0.125	/
Ant.1	Level5&6	DATA 4 slots	Front Side	15	251	848.8	-0.19	0.071	25.42	25.70	1.067	0.076	/
Ant.1	Level5&6	DATA 4 slots	Back Side	15	251	848.8	-0.06	0.081	25.42	25.70	1.067	0.086	/
Hotspot													
Ant.0	Level5&6	DATA 4 slots	Front Side	10	251	848.8	-0.06	0.301	24.96	25.30	1.081	0.326	/
Ant.0	Level5&6	DATA 4 slots	Back Side	10	251	848.8	-0.13	0.354	24.96	25.30	1.081	0.383	/
Ant.0	Level5&6	DATA 4 slots	Right Edge	10	251	848.8	-0.14	0.375	24.96	25.30	1.081	0.406	3#
Ant.1	Level5&6	DATA 4 slots	Front Side	10	251	848.8	0.16	0.121	25.42	25.70	1.067	0.129	/
Ant.1	Level5&6	DATA 4 slots	Back Side	10	251	848.8	0.01	0.135	25.42	25.70	1.067	0.144	/
Ant.1	Level5&6	DATA 4 slots	Right Edge	10	251	848.8	0.13	0.091	25.42	25.70	1.067	0.097	/
Ant.1	Level5&6	DATA 4 slots	Bottom Edge	10	251	848.8	0.11	0.063	25.42	25.70	1.067	0.067	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.2GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.3	Level1	DATA 4slots	Left Cheek	0	810	1909.8	-0.13	0.191	19.78	21.00	1.324	0.253	/
Ant.3	Level1	DATA 4slots	Left Tilt	0	810	1909.8	0.16	0.132	19.78	21.00	1.324	0.175	/
Ant.3	Level1	DATA 4slots	Right Cheek	0	810	1909.8	0.18	0.660	19.78	21.00	1.324	0.874	4#
Ant.3	Level1	DATA 4slots	Right Tilt	0	810	1909.8	-0.07	0.233	19.78	21.00	1.324	0.309	/
Ant.3	Level1	DATA 4slots	Right Cheek	0	512	1850.2	-0.01	0.488	19.76	21.00	1.330	0.649	/
Ant.3	Level1	DATA 4slots	Right Cheek	0	661	1880.0	0.150	0.522	19.63	21.00	1.371	0.716	/
Ant.3	Level2&3	DATA 4 slots	Left Cheek	0	810	1909.8	0.14	0.149	18.89	20.00	1.291	0.192	/
Ant.3	Level2&3	DATA 4 slots	Left Tilt	0	810	1909.8	0.16	0.101	18.89	20.00	1.291	0.130	/
Ant.3	Level2&3	DATA 4 slots	Right Cheek	0	810	1909.8	-0.10	0.533	18.89	20.00	1.291	0.688	/
Ant.3	Level2&3	DATA 4 slots	Right Tilt	0	810	1909.8	0.13	0.151	18.89	20.00	1.291	0.195	/
Ant.4	Level1&2&3	DATA 4 slots	Left Cheek	0	810	1909.8	-0.01	0.071	24.61	25.30	1.172	0.083	/
Ant.4	Level1&2&3	DATA 4 slots	Left Tilt	0	810	1909.8	-0.05	0.058	24.61	25.30	1.172	0.068	/
Ant.4	Level1&2&3	DATA 4 slots	Right Cheek	0	810	1909.8	0.10	0.101	24.61	25.30	1.172	0.118	/
Ant.4	Level1&2&3	DATA 4 slots	Right Tilt	0	810	1909.8	-0.05	0.073	24.61	25.30	1.172	0.086	/
Body-worn													
Ant.3	Level4&5&6	DATA 4 slots	Front Side	15	512	1850.2	-0.13	0.069	23.97	25.00	1.268	0.087	/
Ant.3	Level4&5&6	DATA 4 slots	Back Side	15	512	1850.2	-0.05	0.095	23.97	25.00	1.268	0.120	/
Ant.4	Level4	DATA 4 slots	Front Side	15	810	1909.8	0.17	0.135	23.32	24.30	1.253	0.169	/
Ant.4	Level4	DATA 4 slots	Back Side	15	810	1909.8	0.13	0.151	23.32	24.30	1.253	0.189	5#
Ant.4	Level5&6	DATA 4 slots	Front Side	15	810	1909.8	-0.09	0.083	21.37	22.30	1.239	0.103	/
Ant.4	Level5&6	DATA 4 slots	Back Side	15	810	1909.8	0.02	0.091	21.37	22.30	1.239	0.113	/
Hotspot													
Ant.3	Level5&6	DATA 4 slots	Front Side	10	512	1850.2	0.13	0.165	23.97	25.00	1.268	0.209	/
Ant.3	Level5&6	DATA 4 slots	Back Side	10	512	1850.2	-0.05	0.171	23.97	25.00	1.268	0.217	/
Ant.3	Level5&6	DATA 4 slots	Right Edge	10	512	1850.2	-0.05	0.254	23.97	25.00	1.268	0.322	/
Ant.3	Level5&6	DATA 4 slots	Top Edge	10	512	1850.2	0.16	0.075	23.97	25.00	1.268	0.095	/
Ant.4	Level5&6	DATA 4 slots	Front Side	10	810	1909.8	-0.19	0.213	21.37	22.30	1.239	0.264	/
Ant.4	Level5&6	DATA 4 slots	Back Side	10	810	1909.8	0.07	0.255	21.37	22.30	1.239	0.316	/
Ant.4	Level5&6	DATA 4 slots	Left Edge	10	810	1909.8	-0.14	0.075	21.37	22.30	1.239	0.093	/
Ant.4	Level5&6	DATA 4 slots	Bottom Edge	10	810	1909.8	0.17	0.402	21.37	22.30	1.239	0.498	6#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.3WCDMA Band 2

Antenna	Power Reducteion	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.3	Level1	RMC	Left Cheek	0	9538	1907.6	-0.18	0.191	16.20	17.30	1.288	0.246	/
Ant.3	Level1	RMC	Left Tilt	0	9538	1907.6	-0.12	0.106	16.20	17.30	1.288	0.137	/
Ant.3	Level1	RMC	Right Cheek	0	9538	1907.6	0.13	0.656	16.20	17.30	1.288	0.845	/
Ant.3	Level1	RMC	Right Tilt	0	9538	1907.6	-0.17	0.207	16.20	17.30	1.288	0.267	/
Ant.3	Level1	RMC	Right Cheek	0	9262	1852.4	0.02	0.661	16.14	17.30	1.306	0.863	/
Ant.3	Level1	RMC	Right Cheek	0	9400	1880.0	0.10	0.685	16.19	17.30	1.291	0.884	7#
Ant.3	Level2&3	RMC	Left Cheek	0	9400	1880.0	-0.09	0.151	15.32	16.30	1.253	0.189	/
Ant.3	Level2&3	RMC	Left Tilt	0	9400	1880.0	0.15	0.083	15.32	16.30	1.253	0.104	/
Ant.3	Level2&3	RMC	Right Cheek	0	9400	1880.0	0.04	0.536	15.32	16.30	1.253	0.672	/
Ant.3	Level2&3	RMC	Right Tilt	0	9400	1880.0	0.07	0.161	15.32	16.30	1.253	0.202	/
Ant.3	Level2&3	RMC	Right Cheek	0	9262	1852.4	0.03	0.518	15.27	16.30	1.268	0.657	/
Ant.3	Level2&3	RMC	Right Cheek	0	9538	1907.6	-0.04	0.511	15.29	16.30	1.262	0.645	/
Ant.4	Level1&2&3	RMC	Left Cheek	0	9400	1880.0	0.05	0.145	23.83	24.80	1.250	0.181	/
Ant.4	Level1&2&3	RMC	Left Tilt	0	9400	1880.0	0.02	0.061	23.83	24.80	1.250	0.076	/
Ant.4	Level1&2&3	RMC	Right Cheek	0	9400	1880.0	-0.09	0.153	23.83	24.80	1.250	0.191	/
Ant.4	Level1&2&3	RMC	Right Tilt	0	9400	1880.0	-0.18	0.083	23.83	24.80	1.250	0.104	/
Body-worn													
Ant.3	Level4	RMC	Front Side	15	9400	1880.0	0.08	0.156	20.81	21.80	1.256	0.196	/
Ant.3	Level4	RMC	Back Side	15	9400	1880.0	-0.04	0.230	20.81	21.80	1.256	0.289	8#
Ant.3	Level5&6	RMC	Front Side	15	9400	1880.0	-0.15	0.106	19.36	20.30	1.242	0.132	/
Ant.3	Level5&6	RMC	Back Side	15	9400	1880.0	-0.06	0.161	19.36	20.30	1.242	0.200	/
Ant.4	Level4	RMC	Front Side	15	9400	1880.0	0.08	0.168	20.33	21.30	1.250	0.210	/
Ant.4	Level4	RMC	Back Side	15	9400	1880.0	0.03	0.211	20.33	21.30	1.250	0.264	/
Ant.4	Level5&6	RMC	Front Side	15	9400	1880.0	-0.15	0.101	18.35	19.30	1.245	0.126	/
Ant.4	Level5&6	RMC	Back Side	15	9400	1880.0	-0.09	0.131	18.35	19.30	1.245	0.163	/
Hotspot													
Ant.3	Level5&6	RMC	Front Side	10	9400	1880.0	0.11	0.212	19.36	20.30	1.242	0.263	/
Ant.3	Level5&6	RMC	Back Side	10	9400	1880.0	0.13	0.299	19.36	20.30	1.242	0.371	/
Ant.3	Level5&6	RMC	Right Edge	10	9400	1880.0	-0.08	0.447	19.36	20.30	1.242	0.555	9#
Ant.3	Level5&6	RMC	Top Edge	10	9400	1880.0	-0.13	0.125	19.36	20.30	1.242	0.155	/
Ant.4	Level5&6	RMC	Front Side	10	9400	1880.0	0.03	0.226	18.35	19.30	1.245	0.281	/
Ant.4	Level5&6	RMC	Back Side	10	9400	1880.0	0.13	0.242	18.35	19.30	1.245	0.301	/
Ant.4	Level5&6	RMC	Left Edge	10	9400	1880.0	-0.06	0.079	18.35	19.30	1.245	0.098	/
Ant.4	Level5&6	RMC	Bottom Edge	10	9400	1880.0	-0.17	0.421	18.35	19.30	1.245	0.524	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.4WCDMA Band 4

Antenna	Powrer Reducteion	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.3	Level1	RMC	Left Cheek	0	1412	1732.4	0.12	0.210	16.87	17.80	1.239	0.260	/
Ant.3	Level1	RMC	Left Tilt	0	1412	1732.4	-0.13	0.098	16.87	17.80	1.239	0.121	/
Ant.3	Level1	RMC	Right Cheek	0	1412	1732.4	0.13	0.677	16.87	17.80	1.239	0.839	10#
Ant.3	Level1	RMC	Right Tilt	0	1412	1732.4	-0.01	0.217	16.87	17.80	1.239	0.269	/
Ant.3	Level1	RMC	Right Cheek	0	1312	1712.4	0.18	0.623	16.84	17.80	1.247	0.777	/
Ant.3	Level1	RMC	Right Cheek	0	1513	1752.6	-0.08	0.662	16.86	17.80	1.242	0.822	/
Ant.3	Level2&3	RMC	Left Cheek	0	1412	1732.4	-0.14	0.178	16.63	16.80	1.040	0.185	/
Ant.3	Level2&3	RMC	Left Tilt	0	1412	1732.4	-0.08	0.072	16.63	16.80	1.040	0.075	/
Ant.3	Level2&3	RMC	Right Cheek	0	1412	1732.4	0.03	0.590	16.63	16.80	1.040	0.614	/
Ant.3	Level2&3	RMC	Right Tilt	0	1412	1732.4	0.12	0.175	16.63	16.80	1.040	0.182	/
Ant.4	Level1&2&3	RMC	Left Cheek	0	1412	1732.4	0.01	0.138	23.98	24.80	1.208	0.167	/
Ant.4	Level1&2&3	RMC	Left Tilt	0	1412	1732.4	-0.19	0.062	23.98	24.80	1.208	0.075	/
Ant.4	Level1&2&3	RMC	Right Cheek	0	1412	1732.4	0.07	0.210	23.98	24.80	1.208	0.254	/
Ant.4	Level1&2&3	RMC	Right Tilt	0	1412	1732.4	0.16	0.086	23.98	24.80	1.208	0.104	/
Body-worn													
Ant.3	Level4	RMC	Front Side	15	1412	1732.4	0.12	0.157	21.03	21.80	1.194	0.187	/
Ant.3	Level4	RMC	Back Side	15	1412	1732.4	0.15	0.226	21.03	21.80	1.194	0.270	11#
Ant.3	Level5&6	RMC	Front Side	15	1412	1732.4	0.03	0.113	19.54	20.30	1.191	0.135	/
Ant.3	Level5&6	RMC	Back Side	15	1412	1732.4	0.00	0.160	19.54	20.30	1.191	0.191	/
Ant.4	Level4	RMC	Front Side	15	1412	1732.4	-0.06	0.182	21.41	22.30	1.227	0.223	/
Ant.4	Level4	RMC	Back Side	15	1412	1732.4	-0.15	0.213	21.41	22.30	1.227	0.261	/
Ant.4	Level5&6	RMC	Front Side	15	1412	1732.4	0.14	0.121	19.42	20.30	1.225	0.148	/
Ant.4	Level5&6	RMC	Back Side	15	1412	1732.4	0.18	0.131	19.42	20.30	1.225	0.160	/
Hotspot													
Ant.3	Level5&6	RMC	Front Side	10	1412	1732.4	0.15	0.315	19.54	20.30	1.191	0.375	/
Ant.3	Level5&6	RMC	Back Side	10	1412	1732.4	0.04	0.290	19.54	20.30	1.191	0.345	/
Ant.3	Level5&6	RMC	Right Edge	10	1412	1732.4	0.05	0.423	19.54	20.30	1.191	0.504	/
Ant.3	Level5&6	RMC	Top Edge	10	1412	1732.4	0.14	0.058	19.54	20.30	1.191	0.069	/
Ant.4	Level5&6	RMC	Front Side	10	1412	1732.4	0.19	0.274	19.42	20.30	1.225	0.336	/
Ant.4	Level5&6	RMC	Back Side	10	1412	1732.4	0.18	0.246	19.42	20.30	1.225	0.301	/
Ant.4	Level5&6	RMC	Left Edge	10	1412	1732.4	-0.01	0.110	19.42	20.30	1.225	0.135	/
Ant.4	Level5&6	RMC	Bottom Edge	10	1412	1732.4	0.18	0.468	19.42	20.30	1.225	0.573	12#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.5WCDMA Band 5

Antenna	Powrer Reducteion	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.0	Level1	RMC	Left Cheek	0	4182	836.4	-0.12	0.840	20.50	21.30	1.202	1.010	13#
Ant.0	Level1	RMC	Left Tilt	0	4182	836.4	0.05	0.093	20.50	21.30	1.202	0.112	/
Ant.0	Level1	RMC	Right Cheek	0	4182	836.4	-0.07	0.422	20.50	21.30	1.202	0.507	/
Ant.0	Level1	RMC	Right Tilt	0	4182	836.4	0.03	0.068	20.50	21.30	1.202	0.082	/
Ant.0	Level1	RMC	Left Cheek	0	4132	826.4	-0.03	0.695	20.50	21.30	1.202	0.836	/
Ant.0	Level1	RMC	Left Cheek	0	4233	846.6	0.18	0.791	20.50	21.30	1.202	0.951	/
Ant.0	Level2&3	RMC	Left Cheek	0	4182	836.4	0.14	0.660	19.47	20.30	1.211	0.799	/
Ant.0	Level2&3	RMC	Left Tilt	0	4182	836.4	-0.12	0.074	19.47	20.30	1.211	0.090	/
Ant.0	Level2&3	RMC	Right Cheek	0	4182	836.4	-0.14	0.332	19.47	20.30	1.211	0.402	/
Ant.0	Level2&3	RMC	Right Tilt	0	4182	836.4	0.15	0.051	19.47	20.30	1.211	0.062	/
Ant.0	Level2&3	RMC	Left Cheek	0	4132	826.4	0.15	0.556	19.44	20.30	1.219	0.678	/
Ant.0	Level2&3	RMC	Left Cheek	0	4233	846.6	0.10	0.625	19.45	20.30	1.216	0.760	/
Ant.1	Level1&2&3	RMC	Left Cheek	0	4132	826.4	-0.10	0.184	24.16	24.70	1.132	0.208	/
Ant.1	Level1&2&3	RMC	Left Tilt	0	4132	826.4	-0.13	0.094	24.16	24.70	1.132	0.106	/
Ant.1	Level1&2&3	RMC	Right Cheek	0	4132	826.4	0.06	0.126	24.16	24.70	1.132	0.143	/
Ant.1	Level1&2&3	RMC	Right Tilt	0	4132	826.4	0.07	0.072	24.16	24.70	1.132	0.082	/
Body-worn													
Ant.0	Level4	RMC	Front Side	15	4182	836.4	-0.14	0.293	23.08	23.80	1.180	0.346	/
Ant.0	Level4	RMC	Back Side	15	4182	836.4	-0.19	0.363	23.08	23.80	1.180	0.428	14#
Ant.0	Level5&6	RMC	Front Side	15	4182	836.4	-0.17	0.186	21.03	21.80	1.194	0.222	/
Ant.0	Level5&6	RMC	Back Side	15	4182	836.4	0.07	0.232	21.03	21.80	1.194	0.277	/
Ant.1	Level4	RMC	Front Side	15	4132	826.4	0.01	0.123	23.54	24.20	1.164	0.143	/
Ant.1	Level4	RMC	Back Side	15	4132	826.4	0.06	0.134	23.54	24.20	1.164	0.156	/
Ant.1	Level5&6	RMC	Front Side	15	4132	826.4	0.06	0.091	22.03	22.70	1.167	0.106	/
Ant.1	Level5&6	RMC	Back Side	15	4132	826.4	-0.12	0.096	22.03	22.70	1.167	0.112	/
Hotspot													
Ant.0	Level5&6	RMC	Front Side	10	4182	836.4	-0.11	0.344	21.03	21.80	1.194	0.411	/
Ant.0	Level5&6	RMC	Back Side	10	4182	836.4	-0.19	0.386	21.03	21.80	1.194	0.461	/
Ant.0	Level5&6	RMC	Right Edge	10	4182	836.4	-0.12	0.517	21.03	21.80	1.194	0.617	15#
Ant.1	Level5&6	RMC	Front Side	10	4132	826.4	0.05	0.132	22.03	22.70	1.167	0.154	/
Ant.1	Level5&6	RMC	Back Side	10	4132	826.4	-0.04	0.181	22.03	22.70	1.167	0.211	/
Ant.1	Level5&6	RMC	Right Edge	10	4132	826.4	0.01	0.161	22.03	22.70	1.167	0.188	/
Ant.1	Level5&6	RMC	Bottom Edge	10	4132	826.4	-0.07	0.088	22.03	22.70	1.167	0.103	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.6LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.3	Level1	QPSK	Left Cheek	0	19100	1900	1	High	0.16	0.211	16.87	17.30	1.104	0.233	/
Ant.3	Level1	QPSK	Left Cheek	0	19100	1900	50	High	0.13	0.204	16.81	17.30	1.119	0.228	/
Ant.3	Level1	QPSK	Left Tilt	0	19100	1900	1	High	-0.09	0.123	16.87	17.30	1.104	0.136	/
Ant.3	Level1	QPSK	Left Tilt	0	19100	1900	50	High	0.06	0.122	16.81	17.30	1.119	0.137	/
Ant.3	Level1	QPSK	Right Cheek	0	19100	1900	1	High	0.08	0.703	16.87	17.30	1.104	0.776	16#
Ant.3	Level1	QPSK	Right Cheek	0	19100	1900	50	High	0.03	0.692	16.81	17.30	1.119	0.775	/
Ant.3	Level1	QPSK	Right Tilt	0	19100	1900	1	High	-0.03	0.231	16.87	17.30	1.104	0.255	/
Ant.3	Level1	QPSK	Right Tilt	0	19100	1900	50	High	-0.11	0.234	16.81	17.30	1.119	0.262	/
Ant.3	Level2&3	QPSK	Left Cheek	0	19100	1900	1	High	0.03	0.150	15.28	15.80	1.127	0.169	/
Ant.3	Level2&3	QPSK	Left Cheek	0	19100	1900	50	High	-0.12	0.144	15.26	15.80	1.132	0.163	/
Ant.3	Level2&3	QPSK	Left Tilt	0	19100	1900	1	High	0.12	0.087	15.28	15.80	1.127	0.098	/
Ant.3	Level2&3	QPSK	Left Tilt	0	19100	1900	50	High	-0.12	0.086	15.26	15.80	1.132	0.097	/
Ant.3	Level2&3	QPSK	Right Cheek	0	19100	1900	1	High	-0.11	0.498	15.28	15.80	1.127	0.561	/
Ant.3	Level2&3	QPSK	Right Cheek	0	19100	1900	50	High	0.11	0.491	15.26	15.80	1.132	0.556	/
Ant.3	Level2&3	QPSK	Right Tilt	0	19100	1900	1	High	0.05	0.162	15.28	15.80	1.127	0.183	/
Ant.3	Level2&3	QPSK	Right Tilt	0	19100	1900	50	High	-0.04	0.163	15.26	15.80	1.132	0.185	/
Ant.4	Level1&2&3	QPSK	Left Cheek	0	19100	1900	1	High	-0.01	0.117	23.62	24.30	1.169	0.137	/
Ant.4	Level1&2&3	QPSK	Left Cheek	0	19100	1900	50	High	0.03	0.108	22.70	23.30	1.148	0.124	/
Ant.4	Level1&2&3	QPSK	Left Tilt	0	19100	1900	1	High	-0.10	0.075	23.62	24.30	1.169	0.088	/
Ant.4	Level1&2&3	QPSK	Left Tilt	0	19100	1900	50	High	-0.08	0.045	22.70	23.30	1.148	0.052	/
Ant.4	Level1&2&3	QPSK	Right Cheek	0	19100	1900	1	High	-0.04	0.152	23.62	24.30	1.169	0.178	/
Ant.4	Level1&2&3	QPSK	Right Cheek	0	19100	1900	50	High	-0.04	0.108	22.70	23.30	1.148	0.124	/
Ant.4	Level1&2&3	QPSK	Right Tilt	0	19100	1900	1	High	0.00	0.079	23.62	24.30	1.169	0.092	/
Ant.4	Level1&2&3	QPSK	Right Tilt	0	19100	1900	50	High	-0.13	0.062	22.70	23.30	1.148	0.071	/
Body-worn															
Ant.3	Level4	QPSK	Front Side	15	18900	1880	1	High	-0.09	0.155	20.67	21.30	1.156	0.179	/
Ant.3	Level4	QPSK	Front Side	15	18900	1880	50	High	0.11	0.152	20.69	21.30	1.151	0.175	/
Ant.3	Level4	QPSK	Back Side	15	18900	1880	1	High	-0.10	0.202	20.67	21.30	1.156	0.234	/
Ant.3	Level4	QPSK	Back Side	15	18900	1880	50	High	-0.16	0.200	20.69	21.30	1.151	0.230	/
Ant.3	Level5&6	QPSK	Front Side	15	18900	1880	1	High	-0.06	0.094	19.63	20.30	1.167	0.110	/
Ant.3	Level5&6	QPSK	Front Side	15	18900	1880	50	High	0.09	0.092	19.60	20.30	1.175	0.108	/
Ant.3	Level5&6	QPSK	Back Side	15	18900	1880	1	High	-0.06	0.125	19.63	20.30	1.167	0.146	/
Ant.3	Level5&6	QPSK	Back Side	15	18900	1880	50	High	0.15	0.130	19.60	20.30	1.175	0.153	/
Ant.4	Level4	QPSK	Front Side	15	18900	1880	1	Low	0.13	0.174	20.49	21.30	1.205	0.210	/
Ant.4	Level4	QPSK	Front Side	15	18900	1880	50	High	0.08	0.168	20.43	21.30	1.222	0.205	/

Ant.4	Level4	QPSK	Back Side	15	18900	1880	1	Low	-0.11	0.220	20.49	21.30	1.205	0.265	17#
Ant.4	Level4	QPSK	Back Side	15	18900	1880	50	High	0.14	0.215	20.43	21.30	1.222	0.263	/
Ant.4	Level5&6	QPSK	Front Side	15	18900	1880	1	Low	-0.11	0.110	18.73	19.30	1.140	0.125	/
Ant.4	Level5&6	QPSK	Front Side	15	18900	1880	50	High	-0.16	0.108	18.69	19.30	1.151	0.124	/
Ant.4	Level5&6	QPSK	Back Side	15	18900	1880	1	Low	0.18	0.139	18.73	19.30	1.140	0.158	/
Ant.4	Level5&6	QPSK	Back Side	15	18900	1880	50	High	-0.18	0.141	18.69	19.30	1.151	0.162	/
Hotspot															
Ant.3	Level5&6	QPSK	Front Side	10	18900	1880	1	High	0.02	0.226	19.63	20.30	1.167	0.264	/
Ant.3	Level5&6	QPSK	Front Side	10	18900	1880	50	High	0.11	0.228	19.60	20.30	1.175	0.268	/
Ant.3	Level5&6	QPSK	Back Side	10	18900	1880	1	High	0.11	0.306	19.63	20.30	1.167	0.357	/
Ant.3	Level5&6	QPSK	Back Side	10	18900	1880	50	High	0.02	0.345	19.60	20.30	1.175	0.405	/
Ant.3	Level5&6	QPSK	Right Edge	10	18900	1880	1	High	0.14	0.602	19.63	20.30	1.167	0.702	18#
Ant.3	Level5&6	QPSK	Right Edge	10	18900	1880	50	High	-0.18	0.596	19.60	20.30	1.175	0.700	/
Ant.3	Level5&6	QPSK	Top Edge	10	18900	1880	1	High	0.16	0.132	19.63	20.30	1.167	0.154	/
Ant.3	Level5&6	QPSK	Top Edge	10	18900	1880	50	High	-0.12	0.132	19.60	20.30	1.175	0.155	/
Ant.4	Level5&6	QPSK	Front Side	10	18900	1880	1	Low	0.16	0.226	18.73	19.30	1.140	0.258	/
Ant.4	Level5&6	QPSK	Front Side	10	18900	1880	50	High	-0.06	0.220	18.69	19.30	1.151	0.253	/
Ant.4	Level5&6	QPSK	Back Side	10	18900	1880	1	Low	0.17	0.283	18.73	19.30	1.140	0.323	/
Ant.4	Level5&6	QPSK	Back Side	10	18900	1880	50	High	0.11	0.276	18.69	19.30	1.151	0.318	/
Ant.4	Level5&6	QPSK	Left Edge	10	18900	1880	1	Low	-0.19	0.095	18.73	19.30	1.140	0.108	/
Ant.4	Level5&6	QPSK	Left Edge	10	18900	1880	50	High	0.04	0.091	18.69	19.30	1.151	0.105	/
Ant.4	Level5&6	QPSK	Bottom Edge	10	18900	1880	1	Low	0.15	0.380	18.73	19.30	1.140	0.433	/
Ant.4	Level5&6	QPSK	Bottom Edge	10	18900	1880	50	High	-0.19	0.374	18.69	19.30	1.151	0.430	/

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

10.7LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas No.
Head															
Ant.3	Level1	QPSK	Left Cheek	0	20175	1732.5	1	High	0.07	0.175	17.40	17.80	1.096	0.192	/
Ant.3	Level1	QPSK	Left Cheek	0	20175	1732.5	50	Low	0.02	0.171	17.37	17.80	1.104	0.189	/
Ant.3	Level1	QPSK	Left Tilt	0	20175	1732.5	1	High	0.07	0.085	17.40	17.80	1.096	0.093	/
Ant.3	Level1	QPSK	Left Tilt	0	20175	1732.5	50	Low	0.00	0.083	17.37	17.80	1.104	0.092	/
Ant.3	Level1	QPSK	Right Cheek	0	20175	1732.5	1	High	0.07	0.541	17.40	17.80	1.096	0.593	19#
Ant.3	Level1	QPSK	Right Cheek	0	20175	1732.5	50	Low	-0.16	0.523	17.37	17.80	1.104	0.577	/
Ant.3	Level1	QPSK	Right Tilt	0	20175	1732.5	1	High	0.15	0.201	17.40	17.80	1.096	0.220	/
Ant.3	Level1	QPSK	Right Tilt	0	20175	1732.5	50	Low	-0.16	0.196	17.37	17.80	1.104	0.216	/
Ant.3	Level2&3	QPSK	Left Cheek	0	20175	1732.5	1	High	-0.06	0.131	15.82	16.30	1.117	0.146	/
Ant.3	Level2&3	QPSK	Left Cheek	0	20175	1732.5	50	High	-0.06	0.133	15.81	16.30	1.119	0.149	/
Ant.3	Level2&3	QPSK	Left Tilt	0	20175	1732.5	1	High	-0.08	0.058	15.82	16.30	1.117	0.065	/
Ant.3	Level2&3	QPSK	Left Tilt	0	20175	1732.5	50	High	-0.17	0.057	15.81	16.30	1.119	0.064	/
Ant.3	Level2&3	QPSK	Right Cheek	0	20175	1732.5	1	High	0.14	0.392	15.82	16.30	1.117	0.438	/
Ant.3	Level2&3	QPSK	Right Cheek	0	20175	1732.5	50	High	0.18	0.400	15.81	16.30	1.119	0.448	/
Ant.3	Level2&3	QPSK	Right Tilt	0	20175	1732.5	1	High	-0.07	0.151	15.82	16.30	1.117	0.169	/
Ant.3	Level2&3	QPSK	Right Tilt	0	20175	1732.5	50	High	-0.19	0.149	15.81	16.30	1.119	0.167	/
Ant.4	Level1&2&3	QPSK	Left Cheek	0	20175	1732.5	1	Low	-0.15	0.142	23.47	24.30	1.211	0.172	/
Ant.4	Level1&2&3	QPSK	Left Cheek	0	20175	1732.5	50	Low	0.01	0.107	22.54	23.30	1.191	0.127	/
Ant.4	Level1&2&3	QPSK	Left Tilt	0	20175	1732.5	1	Low	0.11	0.081	23.47	24.30	1.211	0.098	/
Ant.4	Level1&2&3	QPSK	Left Tilt	0	20175	1732.5	50	Low	-0.12	0.049	22.54	23.30	1.191	0.058	/
Ant.4	Level1&2&3	QPSK	Right Cheek	0	20175	1732.5	1	Low	-0.18	0.180	23.47	24.30	1.211	0.218	/
Ant.4	Level1&2&3	QPSK	Right Cheek	0	20175	1732.5	50	Low	0.16	0.148	22.54	23.30	1.191	0.176	/
Ant.4	Level1&2&3	QPSK	Right Tilt	0	20175	1732.5	1	Low	0.02	0.077	23.47	24.30	1.211	0.093	/
Ant.4	Level1&2&3	QPSK	Right Tilt	0	20175	1732.5	50	Low	0.06	0.066	22.54	23.30	1.191	0.079	/
Body-worn															
Ant.3	Level4	QPSK	Front Side	15	20175	1732.5	1	High	0.13	0.113	21.29	21.80	1.125	0.127	/
Ant.3	Level4	QPSK	Front Side	15	20175	1732.5	50	High	-0.17	0.116	21.30	21.80	1.122	0.130	/
Ant.3	Level4	QPSK	Back Side	15	20175	1732.5	1	High	-0.12	0.210	21.29	21.80	1.125	0.236	20#
Ant.3	Level4	QPSK	Back Side	15	20175	1732.5	50	High	0.12	0.208	21.30	21.80	1.122	0.233	/
Ant.3	Level5&6	QPSK	Front Side	15	20175	1732.5	1	High	-0.16	0.080	19.92	20.30	1.091	0.087	/
Ant.3	Level5&6	QPSK	Front Side	15	20175	1732.5	50	Low	0.18	0.082	19.94	20.30	1.086	0.089	/
Ant.3	Level5&6	QPSK	Back Side	15	20175	1732.5	1	High	0.16	0.149	19.92	20.30	1.091	0.163	/
Ant.3	Level5&6	QPSK	Back Side	15	20175	1732.5	50	Low	0.15	0.147	19.94	20.30	1.086	0.160	/
Ant.4	Level4	QPSK	Front Side	15	20300	1745	1	High	0.19	0.171	21.06	21.80	1.186	0.203	/
Ant.4	Level4	QPSK	Front Side	15	20300	1745	50	High	-0.13	0.166	21.09	21.80	1.178	0.195	/

Ant.4	Level4	QPSK	Back Side	15	20300	1745	1	High	0.15	0.184	21.06	21.80	1.186	0.218	/
Ant.4	Level4	QPSK	Back Side	15	20300	1745	50	High	-0.06	0.174	21.09	21.80	1.178	0.205	/
Ant.4	Level5&6	QPSK	Front Side	15	20300	1745	1	High	0.10	0.108	19.27	19.80	1.130	0.122	/
Ant.4	Level5&6	QPSK	Front Side	15	20300	1745	50	High	0.06	0.098	19.25	19.80	1.135	0.111	/
Ant.4	Level5&6	QPSK	Back Side	15	20300	1745	1	High	-0.14	0.116	19.27	19.80	1.130	0.131	/
Ant.4	Level5&6	QPSK	Back Side	15	20300	1745	50	High	-0.01	0.110	19.25	19.80	1.135	0.125	/
Hotspot															
Ant.3	Level5&6	QPSK	Front Side	10	20175	1732.5	1	High	-0.05	0.191	19.92	20.30	1.091	0.208	/
Ant.3	Level5&6	QPSK	Front Side	10	20175	1732.5	50	Low	-0.10	0.192	19.94	20.30	1.086	0.209	/
Ant.3	Level5&6	QPSK	Back Side	10	20175	1732.5	1	High	-0.17	0.274	19.92	20.30	1.091	0.299	/
Ant.3	Level5&6	QPSK	Back Side	10	20175	1732.5	50	Low	0.06	0.273	19.94	20.30	1.086	0.297	/
Ant.3	Level5&6	QPSK	Right Edge	10	20175	1732.5	1	High	0.10	0.372	19.92	20.30	1.091	0.406	/
Ant.3	Level5&6	QPSK	Right Edge	10	20175	1732.5	50	Low	-0.03	0.368	19.94	20.30	1.086	0.400	/
Ant.3	Level5&6	QPSK	Top Edge	10	20175	1732.5	1	High	-0.05	0.055	19.92	20.30	1.091	0.060	/
Ant.3	Level5&6	QPSK	Top Edge	10	20175	1732.5	50	Low	-0.10	0.053	19.94	20.30	1.086	0.058	/
Ant.4	Level5&6	QPSK	Front Side	10	20300	1745	1	High	0.09	0.251	19.27	19.80	1.130	0.284	/
Ant.4	Level5&6	QPSK	Front Side	10	20300	1745	50	High	0.00	0.247	19.25	19.80	1.135	0.280	/
Ant.4	Level5&6	QPSK	Back Side	10	20300	1745	1	High	0.14	0.277	19.27	19.80	1.130	0.313	/
Ant.4	Level5&6	QPSK	Back Side	10	20300	1745	50	High	-0.10	0.280	19.25	19.80	1.135	0.318	/
Ant.4	Level5&6	QPSK	Left Edge	10	20300	1745	1	High	-0.07	0.095	19.27	19.80	1.130	0.107	/
Ant.4	Level5&6	QPSK	Left Edge	10	20300	1745	50	High	0.06	0.091	19.25	19.80	1.135	0.103	/
Ant.4	Level5&6	QPSK	Bottom Edge	10	20300	1745	1	High	0.07	0.382	19.27	19.80	1.130	0.432	21#
Ant.4	Level5&6	QPSK	Bottom Edge	10	20300	1745	50	High	-0.05	0.375	19.25	19.80	1.135	0.426	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	20525	836.5	1	Low	0.07	0.875	20.73	21.80	1.279	1.119	22#
Ant.0	Level1	QPSK	Left Cheek	0	20525	836.5	25	High	-0.02	0.853	20.66	21.80	1.300	1.109	/
Ant.0	Level1	QPSK	Left Tilt	0	20525	836.5	1	Low	0.01	0.103	20.73	21.80	1.279	0.132	/
Ant.0	Level1	QPSK	Left Tilt	0	20525	836.5	25	High	0.17	0.107	20.66	21.80	1.300	0.139	/
Ant.0	Level1	QPSK	Right Cheek	0	20525	836.5	1	Low	0.02	0.434	20.73	21.80	1.279	0.555	/
Ant.0	Level1	QPSK	Right Cheek	0	20525	836.5	25	High	-0.12	0.449	20.66	21.80	1.300	0.584	/
Ant.0	Level1	QPSK	Right Tilt	0	20525	836.5	1	Low	0.18	0.073	20.73	21.80	1.279	0.093	/
Ant.0	Level1	QPSK	Right Tilt	0	20525	836.5	25	High	-0.05	0.070	20.66	21.80	1.300	0.091	/
Ant.0	Level1	QPSK	Left Cheek	0	20450	829	1	High	0.06	0.834	20.53	21.80	1.340	1.117	/
Ant.0	Level1	QPSK	Left Cheek	0	20600	844	1	Mid	-0.13	0.845	20.65	21.80	1.303	1.101	/

Ant.0	Level1	QPSK	Left Cheek	0	20450	829	25	Low	0.06	0.835	20.58	21.80	1.324	1.106	/
Ant.0	Level1	QPSK	Left Cheek	0	20600	844	25	Mid	-0.13	0.846	20.65	21.80	1.303	1.102	/
Ant.0	Level1	QPSK	Left Cheek	0	20525	836.5	50	Low	0.04	0.840	20.69	21.80	1.291	1.085	/
Ant.0	Level2&3	QPSK	Left Cheek	0	20525	836.5	1	High	-0.07	0.615	19.19	20.30	1.291	0.794	/
Ant.0	Level2&3	QPSK	Left Cheek	0	20525	836.5	25	High	-0.09	0.605	19.11	20.30	1.315	0.796	/
Ant.0	Level2&3	QPSK	Left Tilt	0	20525	836.5	1	High	0.03	0.073	19.19	20.30	1.291	0.094	/
Ant.0	Level2&3	QPSK	Left Tilt	0	20525	836.5	25	High	-0.11	0.075	19.11	20.30	1.315	0.099	/
Ant.0	Level2&3	QPSK	Right Cheek	0	20525	836.5	1	High	-0.11	0.305	19.19	20.30	1.291	0.394	/
Ant.0	Level2&3	QPSK	Right Cheek	0	20525	836.5	25	High	0.09	0.314	19.11	20.30	1.315	0.413	/
Ant.0	Level2&3	QPSK	Right Tilt	0	20525	836.5	1	High	0.03	0.050	19.19	20.30	1.291	0.065	/
Ant.0	Level2&3	QPSK	Right Tilt	0	20525	836.5	25	High	-0.19	0.050	19.11	20.30	1.315	0.066	/
Ant.1	Level1&2&3 (SA&ENDC)	QPSK	Left Cheek	0	20525	836.5	1	High	0.04	0.149	23.78	24.70	1.236	0.184	/
Ant.1	Level1&2&3 (SA&ENDC)	QPSK	Left Cheek	0	20525	836.5	25	High	-0.18	0.127	22.71	23.70	1.256	0.160	/
Ant.1	Level1&2&3 (SA&ENDC)	QPSK	Left Tilt	0	20525	836.5	1	High	0.03	0.070	23.78	24.70	1.236	0.087	/
Ant.1	Level1&2&3 (SA&ENDC)	QPSK	Left Tilt	0	20525	836.5	25	High	-0.13	0.060	22.71	23.70	1.256	0.075	/
Ant.1	Level1&2&3 (SA&ENDC)	QPSK	Right Cheek	0	20525	836.5	1	High	0.06	0.128	23.78	24.70	1.236	0.158	/
Ant.1	Level1&2&3 (SA&ENDC)	QPSK	Right Cheek	0	20525	836.5	25	High	-0.02	0.095	22.71	23.70	1.256	0.119	/
Ant.1	Level1&2&3 (SA&ENDC)	QPSK	Right Tilt	0	20525	836.5	1	High	-0.11	0.046	23.78	24.70	1.236	0.057	/
Ant.1	Level1&2&3 (SA&ENDC)	QPSK	Right Tilt	0	20525	836.5	25	High	-0.18	0.040	22.71	23.70	1.256	0.050	/
Ant.0	Level1(ENDC)	QPSK	Left Cheek	0	20525	836.5	1	Low	0.07	0.503	17.78	18.80	1.265	0.636	/
Ant.0	Level1(ENDC)	QPSK	Left Cheek	0	20525	836.5	25	High	-0.02	0.501	17.79	18.80	1.262	0.632	/
Ant.0	Level1(ENDC)	QPSK	Left Tilt	0	20525	836.5	1	Low	-0.07	0.059	17.78	18.80	1.265	0.075	/
Ant.0	Level1(ENDC)	QPSK	Left Tilt	0	20525	836.5	25	High	0.01	0.053	17.79	18.80	1.262	0.067	/
Ant.0	Level1(ENDC)	QPSK	Right Cheek	0	20525	836.5	1	Low	-0.15	0.265	17.78	18.80	1.265	0.335	/
Ant.0	Level1(ENDC)	QPSK	Right Cheek	0	20525	836.5	25	High	0.10	0.242	17.79	18.80	1.262	0.305	/
Ant.0	Level1(ENDC)	QPSK	Right Tilt	0	20525	836.5	1	Low	-0.04	0.041	17.78	18.80	1.265	0.052	/
Ant.0	Level1(ENDC)	QPSK	Right Tilt	0	20525	836.5	25	High	0.00	0.038	17.79	18.80	1.262	0.048	/
Ant.0	Level2&3(ENDC)	QPSK	Left Cheek	0	20525	836.5	1	High	-0.07	0.325	15.72	16.80	1.282	0.417	/
Ant.0	Level2&3(ENDC)	QPSK	Left Cheek	0	20525	836.5	25	High	0.07	0.325	15.59	16.80	1.321	0.429	/
Ant.0	Level2&3(ENDC)	QPSK	Left Tilt	0	20525	836.5	1	High	-0.04	0.035	15.72	16.80	1.282	0.045	/
Ant.0	Level2&3(ENDC)	QPSK	Left Tilt	0	20525	836.5	25	High	-0.16	0.034	15.59	16.80	1.321	0.045	/
Ant.0	Level2&3(ENDC)	QPSK	Right Cheek	0	20525	836.5	1	High	0.18	0.170	15.72	16.80	1.282	0.218	/
Ant.0	Level2&3(ENDC)	QPSK	Right Cheek	0	20525	836.5	25	High	0.13	0.161	15.59	16.80	1.321	0.213	/
Ant.0	Level2&3(ENDC)	QPSK	Right Tilt	0	20525	836.5	1	High	0.16	0.026	15.72	16.80	1.282	0.033	/
Ant.0	Level2&3(ENDC)	QPSK	Right Tilt	0	20525	836.5	25	High	-0.03	0.026	15.59	16.80	1.321	0.034	/

Body-worn															
Ant.0	Level4	QPSK	Front Side	15	20525	836.5	1	High	-0.17	0.301	23.32	24.30	1.253	0.377	/
Ant.0	Level4	QPSK	Front Side	15	20525	836.5	25	High	0.05	0.261	22.74	23.80	1.276	0.333	/
Ant.0	Level4	QPSK	Back Side	15	20525	836.5	1	High	-0.19	0.368	23.32	24.30	1.253	0.461	23#
Ant.0	Level4	QPSK	Back Side	15	20525	836.5	25	High	-0.04	0.318	22.74	23.80	1.276	0.406	/
Ant.0	Level5&6	QPSK	Front Side	15	20525	836.5	1	Low	0.11	0.192	21.36	22.30	1.242	0.238	/
Ant.0	Level5&6	QPSK	Front Side	15	20525	836.5	25	High	-0.19	0.190	21.27	22.30	1.268	0.241	/
Ant.0	Level5&6	QPSK	Back Side	15	20525	836.5	1	Low	0.14	0.244	21.36	22.30	1.242	0.303	/
Ant.0	Level5&6	QPSK	Back Side	15	20525	836.5	25	High	0.19	0.238	21.27	22.30	1.268	0.302	/
Ant.0	Level4(ENDC)	QPSK	Front Side	15	20525	836.5	1	Low	0.11	0.192	21.36	22.30	1.242	0.238	/
Ant.0	Level4(ENDC)	QPSK	Front Side	15	20525	836.5	25	High	-0.19	0.190	21.27	22.30	1.268	0.241	/
Ant.0	Level4(ENDC)	QPSK	Back Side	15	20525	836.5	1	Low	0.14	0.244	21.36	22.30	1.242	0.303	/
Ant.0	Level4(ENDC)	QPSK	Back Side	15	20525	836.5	25	High	0.19	0.238	21.27	22.30	1.268	0.302	/
Ant.0	Level5&6(ENDC)	QPSK	Front Side	15	20525	836.5	1	Low	-0.08	0.080	17.37	18.30	1.239	0.099	/
Ant.0	Level5&6(ENDC)	QPSK	Front Side	15	20525	836.5	25	High	0.09	0.079	17.42	18.30	1.225	0.097	/
Ant.0	Level5&6(ENDC)	QPSK	Back Side	15	20525	836.5	1	Low	0.16	0.100	17.37	18.30	1.239	0.124	/
Ant.0	Level5&6(ENDC)	QPSK	Back Side	15	20525	836.5	25	High	-0.15	0.097	17.42	18.30	1.225	0.119	/
Ant.1	Level4	QPSK	Front Side	15	20525	836.5	1	High	0.18	0.112	23.31	24.20	1.227	0.137	/
Ant.1	Level4	QPSK	Front Side	15	20525	836.5	25	High	0.01	0.086	22.78	23.70	1.236	0.106	/
Ant.1	Level4	QPSK	Back Side	15	20525	836.5	1	High	-0.13	0.122	23.31	24.20	1.227	0.150	/
Ant.1	Level4	QPSK	Back Side	15	20525	836.5	25	High	-0.03	0.115	22.78	23.70	1.236	0.142	/
Ant.1	Level5&6	QPSK	Front Side	15	20525	836.5	1	High	-0.07	0.063	21.34	22.20	1.219	0.077	/
Ant.1	Level5&6	QPSK	Front Side	15	20525	836.5	25	High	-0.19	0.059	21.29	22.20	1.233	0.073	/
Ant.1	Level5&6	QPSK	Back Side	15	20525	836.5	1	High	0.14	0.069	21.34	22.20	1.219	0.084	/
Ant.1	Level5&6	QPSK	Back Side	15	20525	836.5	25	High	0.04	0.065	21.29	22.20	1.233	0.080	/
Ant.1	Level4&5&6(ENDC)	QPSK	Front Side	15	20525	836.5	1	High	0.13	0.120	23.78	24.70	1.236	0.148	/
Ant.1	Level4&5&6(ENDC)	QPSK	Front Side	15	20525	836.5	25	High	-0.18	0.084	22.71	23.70	1.256	0.106	/
Ant.1	Level4&5&6(ENDC)	QPSK	Back Side	15	20525	836.5	1	High	-0.12	0.138	23.78	24.70	1.236	0.171	/
Ant.1	Level4&5&6(ENDC)	QPSK	Back Side	15	20525	836.5	25	High	0.07	0.107	22.71	23.70	1.256	0.134	/
Hotspot															
Ant.0	Level5&6	QPSK	Front Side	10	20525	836.5	1	Low	-0.16	0.334	21.36	22.30	1.242	0.415	/
Ant.0	Level5&6	QPSK	Front Side	10	20525	836.5	25	High	-0.09	0.237	21.27	22.30	1.268	0.301	/
Ant.0	Level5&6	QPSK	Back Side	10	20525	836.5	1	Low	0.14	0.416	21.36	22.30	1.242	0.517	/
Ant.0	Level5&6	QPSK	Back Side	10	20525	836.5	25	High	-0.17	0.365	21.27	22.30	1.268	0.463	/
Ant.0	Level5&6	QPSK	Right Edge	10	20525	836.5	1	Low	0.06	0.475	21.36	22.30	1.242	0.590	24#
Ant.0	Level5&6	QPSK	Right Edge	10	20525	836.5	25	High	0.14	0.389	21.27	22.30	1.268	0.493	/
Ant.0	Level5&6(ENDC)	QPSK	Front Side	10	20525	836.5	1	Mid	-0.09	0.131	17.37	18.30	1.239	0.162	/
Ant.0	Level5&6(ENDC)	QPSK	Front Side	10	20525	836.5	25	Mid	0.11	0.120	17.42	18.30	1.225	0.147	/
Ant.0	Level5&6(ENDC)	QPSK	Back Side	10	20525	836.5	1	Mid	0.10	0.161	17.37	18.30	1.239	0.199	/
Ant.0	Level5&6(ENDC)	QPSK	Back Side	10	20525	836.5	25	Mid	-0.12	0.123	17.42	18.30	1.225	0.151	/
Ant.0	Level5&6(ENDC)	QPSK	Right Edge	10	20525	836.5	1	Mid	0.04	0.181	17.37	18.30	1.239	0.224	/
Ant.0	Level5&6(ENDC)	QPSK	Right Edge	10	20525	836.5	25	Mid	-0.16	0.135	17.42	18.30	1.225	0.165	/
Ant.1	Level5&6	QPSK	Front Side	10	20525	836.5	1	Low	-0.14	0.112	21.28	22.30	1.265	0.142	/

Ant.1	Level5&6	QPSK	Front Side	10	20525	836.5	25	High	-0.06	0.121	21.29	22.30	1.262	0.153	/
Ant.1	Level5&6	QPSK	Back Side	10	20525	836.5	1	Low	0.08	0.145	21.28	22.30	1.265	0.183	/
Ant.1	Level5&6	QPSK	Back Side	10	20525	836.5	25	High	-0.15	0.154	21.29	22.30	1.262	0.194	/
Ant.1	Level5&6	QPSK	Right Edge	10	20525	836.5	1	Low	0.12	0.125	21.28	22.30	1.265	0.158	/
Ant.1	Level5&6	QPSK	Right Edge	10	20525	836.5	25	High	0.18	0.134	21.29	22.30	1.262	0.169	/
Ant.1	Level5&6	QPSK	Bottom Edge	10	20525	836.5	1	Low	-0.01	0.070	21.28	22.30	1.265	0.089	/
Ant.1	Level5&6	QPSK	Bottom Edge	10	20525	836.5	25	High	-0.07	0.078	21.29	22.30	1.262	0.098	/
Ant.1	Level5&6(ENDC)	QPSK	Front Side	10	20525	836.5	1	High	-0.07	0.194	23.78	24.70	1.236	0.240	/
Ant.1	Level5&6(ENDC)	QPSK	Front Side	10	20525	836.5	25	High	0.14	0.137	22.71	23.70	1.256	0.172	/
Ant.1	Level5&6(ENDC)	QPSK	Back Side	10	20525	836.5	1	High	-0.07	0.254	23.78	24.70	1.236	0.314	/
Ant.1	Level5&6(ENDC)	QPSK	Back Side	10	20525	836.5	25	High	0.07	0.195	22.71	23.70	1.256	0.245	/
Ant.1	Level5&6(ENDC)	QPSK	Right Edge	10	20525	836.5	1	High	-0.07	0.129	23.78	24.70	1.236	0.159	/
Ant.1	Level5&6(ENDC)	QPSK	Right Edge	10	20525	836.5	25	High	0.16	0.108	22.71	23.70	1.256	0.136	/
Ant.1	Level5&6(ENDC)	QPSK	Bottom Edge	10	20525	836.5	1	High	0.03	0.154	23.78	24.70	1.236	0.190	/
Ant.1	Level5&6(ENDC)	QPSK	Bottom Edge	10	20525	836.5	25	High	-0.06	0.127	22.71	23.70	1.256	0.160	/

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

10.9LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.3	Level1	QPSK	Left Cheek	0	21100	2535	1	Mid	-0.17	0.215	15.68	16.20	1.127	0.242	/
Ant.3	Level1	QPSK	Left Cheek	0	21100	2535	50	High	0.04	0.214	15.72	16.20	1.117	0.239	/
Ant.3	Level1	QPSK	Left Tilt	0	21100	2535	1	Mid	-0.08	0.146	15.68	16.20	1.127	0.165	/
Ant.3	Level1	QPSK	Left Tilt	0	21100	2535	50	High	-0.13	0.139	15.72	16.20	1.117	0.155	/
Ant.3	Level1	QPSK	Right Cheek	0	21100	2535	1	Mid	0.15	0.830	15.68	16.20	1.127	0.936	25#
Ant.3	Level1	QPSK	Right Cheek	0	21100	2535	50	High	-0.04	0.814	15.72	16.20	1.117	0.909	/
Ant.3	Level1	QPSK	Right Tilt	0	21100	2535	1	Mid	-0.08	0.356	15.68	16.20	1.127	0.401	/
Ant.3	Level1	QPSK	Right Tilt	0	21100	2535	50	Mid	0.05	0.352	15.72	16.20	1.117	0.393	/
Ant.3	Level1	QPSK	Right Cheek	0	20850	2510	1	Mid	0.15	0.650	15.65	16.20	1.135	0.738	/
Ant.3	Level1	QPSK	Right Cheek	0	21350	2560	1	Mid	0.04	0.785	15.58	16.20	1.153	0.905	/
Ant.3	Level1	QPSK	Right Cheek	0	20850	2510	50	High	-0.12	0.703	15.71	16.20	1.119	0.787	/
Ant.3	Level1	QPSK	Right Cheek	0	21350	2560	50	Low	0.03	0.790	15.65	16.20	1.135	0.897	/
Ant.3	Level1	QPSK	Right Cheek	0	21100	2535	100	Low	-0.04	0.786	15.70	16.20	1.122	0.882	/
Ant.3	Level2&3	QPSK	Left Cheek	0	21100	2535	1	Mid	-0.04	0.162	14.03	14.70	1.167	0.189	/
Ant.3	Level2&3	QPSK	Left Cheek	0	21100	2535	50	Low	0.05	0.161	14.16	14.70	1.132	0.182	/
Ant.3	Level2&3	QPSK	Left Tilt	0	21100	2535	1	Mid	0.13	0.115	14.03	14.70	1.167	0.134	/
Ant.3	Level2&3	QPSK	Left Tilt	0	21100	2535	50	Low	-0.03	0.115	14.16	14.70	1.132	0.130	/
Ant.3	Level2&3	QPSK	Right Cheek	0	21100	2535	1	Mid	0.17	0.574	14.03	14.70	1.167	0.670	/
Ant.3	Level2&3	QPSK	Right Cheek	0	21100	2535	50	Low	0.04	0.571	14.16	14.70	1.132	0.647	/

Ant.3	Level2&3	QPSK	Right Tilt	0	21100	2535	1	Mid	0.04	0.261	14.03	14.70	1.167	0.305	/
Ant.3	Level2&3	QPSK	Right Tilt	0	21100	2535	50	Low	-0.14	0.254	14.16	14.70	1.132	0.288	/
Ant.4	Level1&2&3	QPSK	Left Cheek	0	21350	2560	1	Mid	0.06	0.133	23.80	24.30	1.122	0.149	/
Ant.4	Level1&2&3	QPSK	Left Cheek	0	21350	2560	50	Low	0.12	0.113	22.91	23.30	1.094	0.124	/
Ant.4	Level1&2&3	QPSK	Left Tilt	0	21350	2560	1	Mid	0.16	0.117	23.80	24.30	1.122	0.131	/
Ant.4	Level1&2&3	QPSK	Left Tilt	0	21350	2560	50	Low	-0.15	0.087	22.91	23.30	1.094	0.095	/
Ant.4	Level1&2&3	QPSK	Right Cheek	0	21350	2560	1	Mid	-0.10	0.228	23.80	24.30	1.122	0.256	/
Ant.4	Level1&2&3	QPSK	Right Cheek	0	21350	2560	50	Low	-0.18	0.185	22.91	23.30	1.094	0.202	/
Ant.4	Level1&2&3	QPSK	Right Tilt	0	21350	2560	1	Mid	-0.05	0.059	23.80	24.30	1.122	0.066	/
Ant.4	Level1&2&3	QPSK	Right Tilt	0	21350	2560	50	Low	-0.12	0.040	22.91	23.30	1.094	0.044	/
Ant.5	Level1	QPSK	Left Cheek	0	21100	2535	1	Mid	0.16	0.237	15.26	15.80	1.132	0.268	/
Ant.5	Level1	QPSK	Left Cheek	0	21100	2535	50	High	0.03	0.235	15.31	15.80	1.119	0.263	/
Ant.5	Level1	QPSK	Left Tilt	0	21100	2535	1	Mid	-0.06	0.318	15.26	15.80	1.132	0.360	/
Ant.5	Level1	QPSK	Left Tilt	0	21100	2535	50	High	0.04	0.324	15.31	15.80	1.119	0.363	/
Ant.5	Level1	QPSK	Right Cheek	0	21100	2535	1	Mid	-0.11	0.336	15.26	15.80	1.132	0.380	/
Ant.5	Level1	QPSK	Right Cheek	0	21100	2535	50	High	0.07	0.339	15.31	15.80	1.119	0.379	/
Ant.5	Level1	QPSK	Right Tilt	0	21100	2535	1	Mid	0.09	0.528	15.26	15.80	1.132	0.598	/
Ant.5	Level1	QPSK	Right Tilt	0	21100	2535	50	High	0.02	0.550	15.31	15.80	1.119	0.616	/
Ant.5	Level2&3	QPSK	Left Cheek	0	21100	2535	1	Mid	-0.06	0.152	13.10	13.80	1.175	0.179	/
Ant.5	Level2&3	QPSK	Left Cheek	0	21100	2535	50	High	-0.19	0.149	13.23	13.80	1.140	0.170	/
Ant.5	Level2&3	QPSK	Left Tilt	0	21100	2535	1	Mid	-0.14	0.200	13.10	13.80	1.175	0.235	/
Ant.5	Level2&3	QPSK	Left Tilt	0	21100	2535	50	High	-0.07	0.202	13.23	13.80	1.140	0.230	/
Ant.5	Level2&3	QPSK	Right Cheek	0	21100	2535	1	Mid	-0.02	0.203	13.10	13.80	1.175	0.239	/
Ant.5	Level2&3	QPSK	Right Cheek	0	21100	2535	50	High	-0.19	0.210	13.23	13.80	1.140	0.239	/
Ant.5	Level2&3	QPSK	Right Tilt	0	21100	2535	1	Mid	-0.05	0.336	13.10	13.80	1.175	0.395	/
Ant.5	Level2&3	QPSK	Right Tilt	0	21100	2535	50	High	-0.11	0.352	13.23	13.80	1.140	0.401	/
Ant.6	Level1	QPSK	Left Cheek	0	21100	2535	1	Low	0.06	0.535	16.12	16.70	1.143	0.611	/
Ant.6	Level1	QPSK	Left Cheek	0	21100	2535	50	Mid	0.08	0.516	16.01	16.70	1.172	0.605	/
Ant.6	Level1	QPSK	Left Tilt	0	21100	2535	1	Low	0.06	0.187	16.12	16.70	1.143	0.214	/
Ant.6	Level1	QPSK	Left Tilt	0	21100	2535	50	Mid	-0.10	0.173	16.01	16.70	1.172	0.203	/
Ant.6	Level1	QPSK	Right Cheek	0	21100	2535	1	Low	0.03	0.352	16.12	16.70	1.143	0.402	/
Ant.6	Level1	QPSK	Right Cheek	0	21100	2535	50	Mid	-0.09	0.339	16.01	16.70	1.172	0.397	/
Ant.6	Level1	QPSK	Right Tilt	0	21100	2535	1	Low	-0.09	0.093	16.12	16.70	1.143	0.106	/
Ant.6	Level1	QPSK	Right Tilt	0	21100	2535	50	Mid	0.06	0.088	16.01	16.70	1.172	0.103	/
Ant.6	Level2&3	QPSK	Left Cheek	0	21350	2560	1	High	-0.16	0.340	14.11	14.70	1.146	0.389	/
Ant.6	Level2&3	QPSK	Left Cheek	0	21100	2535	50	Mid	-0.06	0.331	14.09	14.70	1.151	0.381	/
Ant.6	Level2&3	QPSK	Left Tilt	0	21350	2560	1	High	0.09	0.116	14.11	14.70	1.146	0.133	/
Ant.6	Level2&3	QPSK	Left Tilt	0	21100	2535	50	Mid	0.01	0.114	14.09	14.70	1.151	0.131	/
Ant.6	Level2&3	QPSK	Right Cheek	0	21350	2560	1	High	0.08	0.230	14.11	14.70	1.146	0.263	/
Ant.6	Level2&3	QPSK	Right Cheek	0	21100	2535	50	Mid	0.07	0.229	14.09	14.70	1.151	0.264	/
Ant.6	Level2&3	QPSK	Right Tilt	0	21350	2560	1	High	0.00	0.061	14.11	14.70	1.146	0.070	/
Ant.6	Level2&3	QPSK	Right Tilt	0	21100	2535	50	Mid	0.12	0.057	14.09	14.70	1.151	0.066	/
Body-worn															

Ant.3	Level4	QPSK	Front Side	15	21100	2535	1	Mid	-0.07	0.185	20.03	20.70	1.167	0.216	/
Ant.3	Level4	QPSK	Front Side	15	21100	2535	50	High	-0.09	0.190	20.16	20.70	1.132	0.215	/
Ant.3	Level4	QPSK	Back Side	15	21100	2535	1	Mid	-0.14	0.194	20.03	20.70	1.167	0.226	/
Ant.3	Level4	QPSK	Back Side	15	21100	2535	50	High	0.09	0.201	20.16	20.70	1.132	0.228	/
Ant.3	Level5&6	QPSK	Front Side	15	21100	2535	1	High	-0.03	0.105	17.43	18.20	1.194	0.125	/
Ant.3	Level5&6	QPSK	Front Side	15	21100	2535	50	High	0.00	0.103	17.55	18.20	1.161	0.120	/
Ant.3	Level5&6	QPSK	Back Side	15	21100	2535	1	High	0.16	0.124	17.43	18.20	1.194	0.148	/
Ant.3	Level5&6	QPSK	Back Side	15	21100	2535	50	High	0.13	0.128	17.55	18.20	1.161	0.149	/
Ant.4	Level4	QPSK	Front Side	15	21100	2535	1	High	0.11	0.186	21.30	21.80	1.122	0.209	/
Ant.4	Level4	QPSK	Front Side	15	21100	2535	50	Low	0.19	0.195	21.37	21.80	1.104	0.215	/
Ant.4	Level4	QPSK	Back Side	15	21100	2535	1	High	0.05	0.223	21.30	21.80	1.122	0.250	26#
Ant.4	Level4	QPSK	Back Side	15	21100	2535	50	Low	-0.13	0.216	21.37	21.80	1.104	0.238	/
Ant.4	Level5&6	QPSK	Front Side	15	21100	2535	1	High	0.02	0.128	19.75	20.30	1.135	0.145	/
Ant.4	Level5&6	QPSK	Front Side	15	21100	2535	50	High	-0.14	0.135	19.82	20.30	1.117	0.151	/
Ant.4	Level5&6	QPSK	Back Side	15	21100	2535	1	High	0.08	0.156	19.75	20.30	1.135	0.177	/
Ant.4	Level5&6	QPSK	Back Side	15	21100	2535	50	High	-0.09	0.155	19.82	20.30	1.117	0.173	/
Ant.5	Level4	QPSK	Front Side	15	21100	2535	1	Mid	0.08	0.099	18.55	19.30	1.189	0.118	/
Ant.5	Level4	QPSK	Front Side	15	21100	2535	50	High	-0.02	0.097	18.59	19.30	1.178	0.114	/
Ant.5	Level4	QPSK	Back Side	15	21100	2535	1	Mid	0.13	0.117	18.55	19.30	1.189	0.139	/
Ant.5	Level4	QPSK	Back Side	15	21100	2535	50	High	0.12	0.115	18.59	19.30	1.178	0.135	/
Ant.5	Level5&6	QPSK	Front Side	15	21100	2535	1	Mid	-0.10	0.060	16.41	17.30	1.227	0.074	/
Ant.5	Level5&6	QPSK	Front Side	15	21100	2535	50	High	-0.13	0.062	16.54	17.30	1.191	0.074	/
Ant.5	Level5&6	QPSK	Back Side	15	21100	2535	1	Mid	0.07	0.071	16.41	17.30	1.227	0.087	/
Ant.5	Level5&6	QPSK	Back Side	15	21100	2535	50	High	-0.08	0.068	16.54	17.30	1.191	0.081	/
Ant.6	Level4	QPSK	Front Side	15	21100	2535	1	High	-0.19	0.101	18.12	18.70	1.143	0.115	/
Ant.6	Level4	QPSK	Front Side	15	21100	2535	50	Low	0.00	0.109	18.08	18.70	1.153	0.126	/
Ant.6	Level4	QPSK	Back Side	15	21100	2535	1	High	0.16	0.187	18.12	18.70	1.143	0.214	/
Ant.6	Level4	QPSK	Back Side	15	21100	2535	50	Low	0.02	0.212	18.08	18.70	1.153	0.245	/
Ant.6	Level5&6	QPSK	Front Side	15	21350	2560	1	Mid	-0.06	0.060	15.61	16.20	1.146	0.069	/
Ant.6	Level5&6	QPSK	Front Side	15	21350	2560	50	High	-0.06	0.061	15.62	16.20	1.143	0.070	/
Ant.6	Level5&6	QPSK	Back Side	15	21350	2560	1	Mid	-0.17	0.104	15.61	16.20	1.146	0.119	/
Ant.6	Level5&6	QPSK	Back Side	15	21350	2560	50	High	0.03	0.110	15.62	16.20	1.143	0.126	/
Hotspot															
Ant.3	Level5&6	QPSK	Front Side	10	21100	2535	1	High	0.06	0.186	17.43	18.20	1.194	0.222	/
Ant.3	Level5&6	QPSK	Front Side	10	21100	2535	50	High	0.14	0.193	17.55	18.20	1.161	0.224	/
Ant.3	Level5&6	QPSK	Back Side	10	21100	2535	1	High	-0.14	0.300	17.43	18.20	1.194	0.358	/
Ant.3	Level5&6	QPSK	Back Side	10	21100	2535	50	High	0.17	0.313	17.55	18.20	1.161	0.364	/
Ant.3	Level5&6	QPSK	Right Edge	10	21100	2535	1	High	-0.08	0.374	17.43	18.20	1.194	0.447	27#
Ant.3	Level5&6	QPSK	Right Edge	10	21100	2535	50	High	0.16	0.380	17.55	18.20	1.161	0.441	/
Ant.3	Level5&6	QPSK	Top Edge	10	21100	2535	1	High	-0.13	0.023	17.43	18.20	1.194	0.027	/
Ant.3	Level5&6	QPSK	Top Edge	10	21100	2535	50	High	-0.16	0.026	17.55	18.20	1.161	0.030	/
Ant.4	Level5&6	QPSK	Front Side	10	21100	2535	1	High	-0.01	0.241	19.75	20.30	1.135	0.274	/
Ant.4	Level5&6	QPSK	Front Side	10	21100	2535	50	High	0.19	0.243	19.82	20.30	1.117	0.271	/

Ant.4	Level5&6	QPSK	Back Side	10	21100	2535	1	High	0.09	0.252	19.75	20.30	1.135	0.286	/
Ant.4	Level5&6	QPSK	Back Side	10	21100	2535	50	High	0.10	0.249	19.82	20.30	1.117	0.278	/
Ant.4	Level5&6	QPSK	Left Edge	10	21100	2535	1	High	-0.09	0.090	19.75	20.30	1.135	0.102	/
Ant.4	Level5&6	QPSK	Left Edge	10	21100	2535	50	High	0.09	0.096	19.82	20.30	1.117	0.107	/
Ant.4	Level5&6	QPSK	Bottom Edge	10	21100	2535	1	High	-0.04	0.367	19.75	20.30	1.135	0.417	/
Ant.4	Level5&6	QPSK	Bottom Edge	10	21100	2535	50	High	0.16	0.372	19.82	20.30	1.117	0.415	/
Ant.5	Level5&6	QPSK	Front Side	10	21100	2535	1	Mid	-0.15	0.128	16.41	17.30	1.227	0.157	/
Ant.5	Level5&6	QPSK	Front Side	10	21100	2535	50	High	-0.03	0.134	16.54	17.30	1.191	0.160	/
Ant.5	Level5&6	QPSK	Back Side	10	21100	2535	1	Mid	-0.19	0.206	16.41	17.30	1.227	0.253	/
Ant.5	Level5&6	QPSK	Back Side	10	21100	2535	50	High	-0.08	0.223	16.54	17.30	1.191	0.266	/
Ant.5	Level5&6	QPSK	Right Edge	10	21100	2535	1	Mid	-0.05	0.079	16.41	17.30	1.227	0.097	/
Ant.5	Level5&6	QPSK	Right Edge	10	21100	2535	50	High	0.18	0.084	16.54	17.30	1.191	0.100	/
Ant.5	Level5&6	QPSK	Top Edge	10	21100	2535	1	Mid	-0.16	0.280	16.41	17.30	1.227	0.344	/
Ant.5	Level5&6	QPSK	Top Edge	10	21100	2535	50	High	0.09	0.283	16.54	17.30	1.191	0.337	/
Ant.6	Level5&6	QPSK	Front Side	10	21350	2560	1	Mid	-0.19	0.119	15.61	16.20	1.146	0.136	/
Ant.6	Level5&6	QPSK	Front Side	10	21350	2560	50	High	-0.09	0.128	15.62	16.20	1.143	0.146	/
Ant.6	Level5&6	QPSK	Back Side	10	21350	2560	1	Mid	-0.02	0.219	15.61	16.20	1.146	0.251	/
Ant.6	Level5&6	QPSK	Back Side	10	21350	2560	50	High	0.07	0.230	15.62	16.20	1.143	0.263	/
Ant.6	Level5&6	QPSK	Left Edge	10	21350	2560	1	Mid	0.06	0.273	15.61	16.20	1.146	0.313	/
Ant.6	Level5&6	QPSK	Left Edge	10	21350	2560	50	High	-0.19	0.295	15.62	16.20	1.143	0.337	/
Ant.6	Level5&6	QPSK	Bottom Edge	10	21350	2560	1	Mid	-0.16	0.030	15.61	16.20	1.146	0.034	/
Ant.6	Level5&6	QPSK	Bottom Edge	10	21350	2560	50	High	-0.09	0.035	15.62	16.20	1.143	0.040	/

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	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head-CA															
Ant.3	Level1	QPSK	Right Cheek	0	21100 +20902	2535 +2515.2	1+1	Low +High	-0.06	0.684	15.16	15.70	1.132	0.775	/
Body-worn-CA															
Ant.4	Level4	QPSK	Back Side	15	21100 +20902	2535 +2515.2	1+1	Low +High	0.02	0.203	21.01	21.30	1.069	0.217	/
Hotspot-CA															
Ant.3	Level5&6	QPSK	Right Edge	10	21100 +20902	2535 +2515.2	1+1	Low +High	-0.05	0.318	17.07	17.70	1.156	0.368	/

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

10.11 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	23095	707.5	1	Low	0.02	0.095	22.00	22.80	1.202	0.114	28#
Ant.0	Level1	QPSK	Left Cheek	0	23095	707.5	25	Mid	-0.08	0.090	21.95	22.80	1.216	0.109	/
Ant.0	Level1	QPSK	Left Tilt	0	23095	707.5	1	Low	0.04	0.000	22.00	22.80	1.202	0.000	/
Ant.0	Level1	QPSK	Left Tilt	0	23095	707.5	25	Mid	0.05	0.000	21.95	22.80	1.216	0.000	/
Ant.0	Level1	QPSK	Right Cheek	0	23095	707.5	1	Low	0.08	0.048	22.00	22.80	1.202	0.058	/
Ant.0	Level1	QPSK	Right Cheek	0	23095	707.5	25	Mid	-0.14	0.047	21.95	22.80	1.216	0.057	/
Ant.0	Level1	QPSK	Right Tilt	0	23095	707.5	1	Low	-0.13	0.000	22.00	22.80	1.202	0.000	/
Ant.0	Level1	QPSK	Right Tilt	0	23095	707.5	25	Mid	0.19	0.000	21.95	22.80	1.216	0.000	/
Ant.0	Level2&3	QPSK	Left Cheek	0	23095	707.5	1	Low	0.09	0.069	20.48	21.30	1.208	0.083	/
Ant.0	Level2&3	QPSK	Left Cheek	0	23095	707.5	25	Mid	0.09	0.066	20.43	21.30	1.222	0.081	/
Ant.0	Level2&3	QPSK	Left Tilt	0	23095	707.5	1	Low	0.19	0.000	20.48	21.30	1.208	0.000	/
Ant.0	Level2&3	QPSK	Left Tilt	0	23095	707.5	25	Mid	0.01	0.000	20.43	21.30	1.222	0.000	/
Ant.0	Level2&3	QPSK	Right Cheek	0	23095	707.5	1	Low	-0.11	0.035	20.48	21.30	1.208	0.042	/
Ant.0	Level2&3	QPSK	Right Cheek	0	23095	707.5	25	Mid	-0.19	0.033	20.43	21.30	1.222	0.040	/
Ant.0	Level2&3	QPSK	Right Tilt	0	23095	707.5	1	Low	0.16	0.000	20.48	21.30	1.208	0.000	/
Ant.0	Level2&3	QPSK	Right Tilt	0	23095	707.5	25	Mid	0.05	0.000	20.43	21.30	1.222	0.000	/
Ant.1	Level1&2&3	QPSK	Left Cheek	0	23095	707.5	1	Mid	0.01	0.067	23.76	24.70	1.242	0.083	/
Ant.1	Level1&2&3	QPSK	Left Cheek	0	23095	707.5	25	Low	0.09	0.046	22.66	23.70	1.271	0.058	/
Ant.1	Level1&2&3	QPSK	Left Tilt	0	23095	707.5	1	Mid	0.06	0.000	23.76	24.70	1.242	0.000	/
Ant.1	Level1&2&3	QPSK	Left Tilt	0	23095	707.5	25	Low	0.00	0.000	22.66	23.70	1.271	0.000	/
Ant.1	Level1&2&3	QPSK	Right Cheek	0	23095	707.5	1	Mid	0.19	0.059	23.76	24.70	1.242	0.073	/
Ant.1	Level1&2&3	QPSK	Right Cheek	0	23095	707.5	25	Low	0.00	0.048	22.66	23.70	1.271	0.061	/
Ant.1	Level1&2&3	QPSK	Right Tilt	0	23095	707.5	1	Mid	0.02	0.000	23.76	24.70	1.242	0.000	/
Ant.1	Level1&2&3	QPSK	Right Tilt	0	23095	707.5	25	Low	-0.02	0.000	22.66	23.70	1.271	0.000	/
Body-worn															
Ant.0	Level4	QPSK	Front Side	15	23095	707.5	1	Low	0.02	0.019	23.04	23.80	1.191	0.023	/
Ant.0	Level4	QPSK	Front Side	15	23095	707.5	25	Mid	-0.06	0.020	23.03	23.80	1.194	0.024	/
Ant.0	Level4	QPSK	Back Side	15	23095	707.5	1	Low	0.13	0.034	23.04	23.80	1.191	0.041	/
Ant.0	Level4	QPSK	Back Side	15	23095	707.5	25	Mid	-0.04	0.033	23.03	23.80	1.194	0.040	/
Ant.0	Level5&6	QPSK	Front Side	15	23095	707.5	1	Low	0.09	0.014	20.48	21.30	1.208	0.017	/
Ant.0	Level5&6	QPSK	Front Side	15	23095	707.5	25	Mid	0.14	0.013	20.43	21.30	1.222	0.016	/
Ant.0	Level5&6	QPSK	Back Side	15	23095	707.5	1	Low	-0.14	0.019	20.48	21.30	1.208	0.023	/
Ant.0	Level5&6	QPSK	Back Side	15	23095	707.5	25	Mid	0.13	0.019	20.43	21.30	1.222	0.023	/
Ant.1	Level4	QPSK	Front Side	15	23095	707.5	1	Mid	-0.18	0.085	23.76	24.70	1.242	0.106	/
Ant.1	Level4	QPSK	Front Side	15	23095	707.5	25	Low	0.11	0.065	22.66	23.70	1.271	0.083	/
Ant.1	Level4	QPSK	Back Side	15	23095	707.5	1	Mid	-0.12	0.100	23.76	24.70	1.242	0.124	29#

Ant.1	Level4	QPSK	Back Side	15	23095	707.5	25	Low	-0.13	0.073	22.66	23.70	1.271	0.093	/
Ant.1	Level5&6	QPSK	Front Side	15	23095	707.5	1	Mid	0.00	0.060	22.58	23.20	1.153	0.069	/
Ant.1	Level5&6	QPSK	Front Side	15	23095	707.5	25	Low	0.16	0.059	22.55	23.20	1.161	0.069	/
Ant.1	Level5&6	QPSK	Back Side	15	23095	707.5	1	Mid	0.12	0.069	22.58	23.20	1.153	0.080	/
Ant.1	Level5&6	QPSK	Back Side	15	23095	707.5	25	Low	-0.14	0.068	22.55	23.20	1.161	0.079	/
Hotspot															
Ant.0	Level5&6	QPSK	Front Side	10	23095	707.5	1	Low	-0.14	0.026	20.41	21.30	1.227	0.032	/
Ant.0	Level5&6	QPSK	Front Side	10	23095	707.5	25	Mid	-0.09	0.025	20.37	21.30	1.239	0.031	/
Ant.0	Level5&6	QPSK	Back Side	10	23095	707.5	1	Low	0.01	0.034	20.41	21.30	1.227	0.042	/
Ant.0	Level5&6	QPSK	Back Side	10	23095	707.5	25	Mid	-0.02	0.032	20.37	21.30	1.239	0.040	/
Ant.0	Level5&6	QPSK	Right Edge	10	23095	707.5	1	Low	0.01	0.101	20.41	21.30	1.227	0.124	/
Ant.0	Level5&6	QPSK	Right Edge	10	23095	707.5	25	Mid	0.06	0.098	20.37	21.30	1.239	0.121	/
Ant.1	Level5&6	QPSK	Front Side	10	23095	707.5	1	Mid	0.06	0.061	22.58	23.20	1.153	0.070	/
Ant.1	Level5&6	QPSK	Front Side	10	23095	707.5	25	Low	-0.01	0.049	22.55	23.20	1.161	0.057	/
Ant.1	Level5&6	QPSK	Back Side	10	23095	707.5	1	Mid	-0.16	0.072	22.58	23.20	1.153	0.083	/
Ant.1	Level5&6	QPSK	Back Side	10	23095	707.5	25	Low	0.07	0.057	22.55	23.20	1.161	0.066	/
Ant.1	Level5&6	QPSK	Right Edge	10	23095	707.5	1	Mid	-0.09	0.112	22.58	23.20	1.153	0.129	30#
Ant.1	Level5&6	QPSK	Right Edge	10	23095	707.5	25	Low	0.02	0.091	22.55	23.20	1.161	0.106	/
Ant.1	Level5&6	QPSK	Bottom Edge	10	23095	707.5	1	Mid	0.18	0.038	22.58	23.20	1.153	0.044	/
Ant.1	Level5&6	QPSK	Bottom Edge	10	23095	707.5	25	Low	-0.10	0.030	22.55	23.20	1.161	0.035	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.12 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	26865	831.5	1	High	0.19	0.883	21.03	22.30	1.340	1.183	31#
Ant.0	Level1	QPSK	Left Cheek	0	26865	831.5	36	High	-0.17	0.863	21.05	22.30	1.334	1.151	/
Ant.0	Level1	QPSK	Left Tilt	0	26865	831.5	1	High	-0.04	0.095	21.03	22.30	1.340	0.127	/
Ant.0	Level1	QPSK	Left Tilt	0	26865	831.5	36	High	0.13	0.093	21.05	22.30	1.334	0.124	/
Ant.0	Level1	QPSK	Right Cheek	0	26865	831.5	1	High	0.13	0.488	21.03	22.30	1.340	0.654	/
Ant.0	Level1	QPSK	Right Cheek	0	26865	831.5	36	High	-0.01	0.475	21.05	22.30	1.334	0.633	/
Ant.0	Level1	QPSK	Right Tilt	0	26865	831.5	1	High	0.07	0.075	21.03	22.30	1.340	0.100	/
Ant.0	Level1	QPSK	Right Tilt	0	26865	831.5	36	High	0.15	0.075	21.05	22.30	1.334	0.100	/
Ant.0	Level1	QPSK	Left Cheek	0	26765	821.5	1	Low	-0.09	0.848	20.96	22.30	1.361	1.155	/
Ant.0	Level1	QPSK	Left Cheek	0	26965	841.5	1	High	0.07	0.836	20.98	22.30	1.355	1.133	/
Ant.0	Level1	QPSK	Left Cheek	0	26765	821.5	36	High	0.03	0.846	20.97	22.30	1.358	1.149	/
Ant.0	Level1	QPSK	Left Cheek	0	26965	841.5	36	High	-0.05	0.821	21.02	22.30	1.343	1.102	/
Ant.0	Level1	QPSK	Left Cheek	0	26865	831.5	75	Low	0.14	0.825	21.01	22.30	1.346	1.110	/
Ant.0	Level2&3	QPSK	Left Cheek	0	26865	831.5	1	High	-0.15	0.631	19.43	20.80	1.371	0.865	/

Ant.0	Level2&3	QPSK	Left Cheek	0	26865	831.5	36	Low	0.15	0.614	19.44	20.80	1.368	0.840	/
Ant.0	Level2&3	QPSK	Left Tilt	0	26865	831.5	1	High	0.09	0.065	19.43	20.80	1.371	0.089	/
Ant.0	Level2&3	QPSK	Left Tilt	0	26865	831.5	36	Low	-0.08	0.064	19.44	20.80	1.368	0.088	/
Ant.0	Level2&3	QPSK	Right Cheek	0	26865	831.5	1	High	-0.18	0.355	19.43	20.80	1.371	0.487	/
Ant.0	Level2&3	QPSK	Right Cheek	0	26865	831.5	36	Low	0.19	0.343	19.44	20.80	1.368	0.469	/
Ant.0	Level2&3	QPSK	Right Tilt	0	26865	831.5	1	High	-0.10	0.051	19.43	20.80	1.371	0.070	/
Ant.0	Level2&3	QPSK	Right Tilt	0	26865	831.5	36	Low	-0.03	0.044	19.44	20.80	1.368	0.060	/
Ant.0	Level2&3	QPSK	Left Cheek	0	26765	821.5	1	Low	0.15	0.595	19.40	20.80	1.380	0.821	/
Ant.0	Level2&3	QPSK	Left Cheek	0	26965	841.5	1	High	0.10	0.590	19.41	20.80	1.377	0.813	/
Ant.0	Level2&3	QPSK	Left Cheek	0	26765	821.5	36	High	-0.03	0.600	19.40	20.80	1.380	0.828	/
Ant.0	Level2&3	QPSK	Left Cheek	0	26965	841.5	36	High	0.19	0.580	19.43	20.80	1.371	0.795	/
Ant.0	Level2&3	QPSK	Left Cheek	0	26865	831.5	75	Low	0.06	0.587	19.42	20.80	1.374	0.807	/
Ant.1	Level1&2&3	QPSK	Left Cheek	0	26765	821.5	1	High	-0.08	0.161	23.22	24.70	1.406	0.226	/
Ant.1	Level1&2&3	QPSK	Left Cheek	0	26865	831.5	36	Low	0.17	0.126	22.22	23.70	1.406	0.177	/
Ant.1	Level1&2&3	QPSK	Left Tilt	0	26765	821.5	1	High	-0.01	0.082	23.22	24.70	1.406	0.115	/
Ant.1	Level1&2&3	QPSK	Left Tilt	0	26865	831.5	36	Low	0.17	0.064	22.22	23.70	1.406	0.090	/
Ant.1	Level1&2&3	QPSK	Right Cheek	0	26765	821.5	1	High	-0.10	0.095	23.22	24.70	1.406	0.134	/
Ant.1	Level1&2&3	QPSK	Right Cheek	0	26865	831.5	36	Low	-0.11	0.082	22.22	23.70	1.406	0.115	/
Ant.1	Level1&2&3	QPSK	Right Tilt	0	26765	821.5	1	High	0.16	0.052	23.22	24.70	1.406	0.073	/
Ant.1	Level1&2&3	QPSK	Right Tilt	0	26865	831.5	36	Low	0.13	0.041	22.22	23.70	1.406	0.058	/
Body-worn															
Ant.0	Level4	QPSK	Front Side	15	26865	831.5	1	High	-0.19	0.302	23.54	24.80	1.337	0.404	/
Ant.0	Level4	QPSK	Front Side	15	26865	831.5	36	Low	-0.02	0.236	22.46	23.80	1.361	0.321	/
Ant.0	Level4	QPSK	Back Side	15	26865	831.5	1	High	0.15	0.386	23.54	24.80	1.337	0.516	32#
Ant.0	Level4	QPSK	Back Side	15	26865	831.5	36	Low	0.10	0.299	22.46	23.80	1.361	0.407	/
Ant.0	Level5&6	QPSK	Front Side	15	26865	831.5	1	High	0.02	0.191	21.64	22.80	1.306	0.249	/
Ant.0	Level5&6	QPSK	Front Side	15	26865	831.5	36	High	-0.18	0.187	21.66	22.80	1.300	0.243	/
Ant.0	Level5&6	QPSK	Back Side	15	26865	831.5	1	High	0.00	0.240	21.64	22.80	1.306	0.313	/
Ant.0	Level5&6	QPSK	Back Side	15	26865	831.5	36	High	-0.07	0.237	21.66	22.80	1.300	0.308	/
Ant.1	Level4	QPSK	Front Side	15	26765	821.5	1	High	0.15	0.116	23.22	24.70	1.406	0.163	/
Ant.1	Level4	QPSK	Front Side	15	26865	831.5	36	Low	-0.08	0.092	22.22	23.70	1.406	0.129	/
Ant.1	Level4	QPSK	Back Side	15	26765	821.5	1	High	0.03	0.131	23.22	24.70	1.406	0.184	/
Ant.1	Level4	QPSK	Back Side	15	26865	831.5	36	Low	0.16	0.103	22.22	23.70	1.406	0.145	/
Ant.1	Level5&6	QPSK	Front Side	15	26765	821.5	1	Low	0.14	0.104	22.73	24.20	1.403	0.146	/
Ant.1	Level5&6	QPSK	Front Side	15	26865	831.5	36	Low	-0.10	0.103	22.26	23.70	1.393	0.143	/
Ant.1	Level5&6	QPSK	Back Side	15	26765	821.5	1	Low	0.10	0.118	22.73	24.20	1.403	0.166	/
Ant.1	Level5&6	QPSK	Back Side	15	26865	831.5	36	Low	0.15	0.115	22.26	23.70	1.393	0.160	/
Hotspot															
Ant.0	Level5&6	QPSK	Front Side	10	26865	831.5	1	High	-0.14	0.351	21.64	22.80	1.306	0.458	/
Ant.0	Level5&6	QPSK	Front Side	10	26865	831.5	36	High	-0.14	0.275	21.66	22.80	1.300	0.358	/
Ant.0	Level5&6	QPSK	Back Side	10	26865	831.5	1	High	0.14	0.417	21.64	22.80	1.306	0.545	/
Ant.0	Level5&6	QPSK	Back Side	10	26865	831.5	36	High	-0.08	0.351	21.66	22.80	1.300	0.456	/
Ant.0	Level5&6	QPSK	Right Edge	10	26865	831.5	1	High	-0.04	0.456	21.64	22.80	1.306	0.596	33#

Ant.0	Level5&6	QPSK	Right Edge	10	26865	831.5	36	High	0.14	0.367	21.66	22.80	1.300	0.477	/
Ant.1	Level5&6	QPSK	Front Side	10	26765	821.5	1	Low	0.07	0.143	22.73	24.20	1.403	0.201	/
Ant.1	Level5&6	QPSK	Front Side	10	26865	831.5	36	Low	-0.19	0.121	22.26	23.70	1.393	0.169	/
Ant.1	Level5&6	QPSK	Back Side	10	26765	821.5	1	Low	0.13	0.194	22.73	24.20	1.403	0.272	/
Ant.1	Level5&6	QPSK	Back Side	10	26865	831.5	36	Low	-0.13	0.164	22.26	23.70	1.393	0.228	/
Ant.1	Level5&6	QPSK	Right Edge	10	26765	821.5	1	Low	-0.04	0.133	22.73	24.20	1.403	0.187	/
Ant.1	Level5&6	QPSK	Right Edge	10	26865	831.5	36	Low	-0.11	0.129	22.26	23.70	1.393	0.180	/
Ant.1	Level5&6	QPSK	Bottom Edge	10	26765	821.5	1	Low	0.02	0.104	22.73	24.20	1.403	0.146	/
Ant.1	Level5&6	QPSK	Bottom Edge	10	26865	831.5	36	Low	-0.11	0.088	22.26	23.70	1.393	0.123	/

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

10.13 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.3	Level1	QPSK	Left Cheek	0	37850	2580	1	High	0.03	0.219	20.06	20.70	1.159	0.254	/
Ant.3	Level1	QPSK	Left Cheek	0	37850	2580	50	High	0.06	0.214	20.01	20.70	1.172	0.251	/
Ant.3	Level1	QPSK	Left Tilt	0	37850	2580	1	High	0.18	0.100	20.06	20.70	1.159	0.116	/
Ant.3	Level1	QPSK	Left Tilt	0	37850	2580	50	High	0.06	0.105	20.01	20.70	1.172	0.123	/
Ant.3	Level1	QPSK	Right Cheek	0	37850	2580	1	High	-0.11	0.772	20.06	20.70	1.159	0.895	34#
Ant.3	Level1	QPSK	Right Cheek	0	37850	2580	50	High	-0.11	0.760	20.01	20.70	1.172	0.891	/
Ant.3	Level1	QPSK	Right Tilt	0	37850	2580	1	High	-0.02	0.301	20.06	20.70	1.159	0.349	/
Ant.3	Level1	QPSK	Right Tilt	0	37850	2580	50	High	0.03	0.288	20.01	20.70	1.172	0.338	/
Ant.3	Level1	QPSK	Right Cheek	0	38000	2595	1	Mid	0.06	0.732	19.99	20.70	1.178	0.862	/
Ant.3	Level1	QPSK	Right Cheek	0	38150	2610	1	Low	0.04	0.652	20.04	20.70	1.164	0.758	/
Ant.3	Level1	QPSK	Right Cheek	0	38000	2595	50	High	0.06	0.740	19.98	20.70	1.180	0.873	/
Ant.3	Level1	QPSK	Right Cheek	0	38000	2595	50	Mid	-0.04	0.695	20.00	20.70	1.175	0.817	/
Ant.3	Level1	QPSK	Right Cheek	0	38150	2610	100	Low	-0.04	0.728	19.97	20.70	1.183	0.861	/
Ant.3	Level2&3	QPSK	Left Cheek	0	38150	2610	1	High	0.15	0.156	18.39	19.20	1.205	0.188	/
Ant.3	Level2&3	QPSK	Left Cheek	0	37850	2580	50	High	0.09	0.152	18.39	19.20	1.205	0.183	/
Ant.3	Level2&3	QPSK	Left Tilt	0	38150	2610	1	High	-0.16	0.071	18.39	19.20	1.205	0.086	/
Ant.3	Level2&3	QPSK	Left Tilt	0	37850	2580	50	High	0.13	0.073	18.39	19.20	1.205	0.088	/
Ant.3	Level2&3	QPSK	Right Cheek	0	38150	2610	1	High	-0.05	0.572	18.39	19.20	1.205	0.689	/
Ant.3	Level2&3	QPSK	Right Cheek	0	37850	2580	50	High	0.10	0.563	18.39	19.20	1.205	0.678	/
Ant.3	Level2&3	QPSK	Right Tilt	0	38150	2610	1	High	-0.03	0.210	18.39	19.20	1.205	0.253	/
Ant.3	Level2&3	QPSK	Right Tilt	0	37850	2580	50	High	-0.05	0.204	18.39	19.20	1.205	0.246	/
Ant.4	Level1&2&3	QPSK	Left Cheek	0	38000	2595	1	Low	0.16	0.074	23.59	24.30	1.178	0.087	/
Ant.4	Level1&2&3	QPSK	Left Cheek	0	38000	2595	50	Low	0.14	0.065	22.57	23.30	1.183	0.077	/
Ant.4	Level1&2&3	QPSK	Left Tilt	0	38000	2595	1	Low	0.06	0.066	23.59	24.30	1.178	0.078	/
Ant.4	Level1&2&3	QPSK	Left Tilt	0	38000	2595	50	Low	-0.03	0.056	22.57	23.30	1.183	0.066	/

Ant.4	Level1&2&3	QPSK	Right Cheek	0	38000	2595	1	Low	0.04	0.146	23.59	24.30	1.178	0.172	/
Ant.4	Level1&2&3	QPSK	Right Cheek	0	38000	2595	50	Low	0.15	0.109	22.57	23.30	1.183	0.129	/
Ant.4	Level1&2&3	QPSK	Right Tilt	0	38000	2595	1	Low	0.04	0.030	23.59	24.30	1.178	0.035	/
Ant.4	Level1&2&3	QPSK	Right Tilt	0	38000	2595	50	Low	0.10	0.021	22.57	23.30	1.183	0.025	/
Body-worn															
Ant.3	Level4	QPSK	Front Side	15	37850	2580	1	High	-0.04	0.203	22.71	23.70	1.256	0.255	/
Ant.3	Level4	QPSK	Front Side	15	37850	2580	50	High	-0.09	0.205	21.63	22.70	1.279	0.262	/
Ant.3	Level4	QPSK	Back Side	15	37850	2580	1	High	0.19	0.266	22.71	23.70	1.256	0.334	35#
Ant.3	Level4	QPSK	Back Side	15	37850	2580	50	High	-0.01	0.261	21.63	22.70	1.279	0.334	/
Ant.3	Level5&6	QPSK	Front Side	15	37850	2580	1	High	0.00	0.128	20.41	21.70	1.346	0.172	/
Ant.3	Level5&6	QPSK	Front Side	15	37850	2580	50	High	0.19	0.129	20.44	21.70	1.337	0.172	/
Ant.3	Level5&6	QPSK	Back Side	15	37850	2580	1	High	-0.14	0.195	20.41	21.70	1.346	0.262	/
Ant.3	Level5&6	QPSK	Back Side	15	37850	2580	50	High	0.18	0.194	20.44	21.70	1.337	0.259	/
Ant.4	Level4	QPSK	Front Side	15	38000	2595	1	Low	-0.15	0.214	23.59	24.30	1.178	0.252	/
Ant.4	Level4	QPSK	Front Side	15	38000	2595	50	Low	-0.17	0.166	22.57	23.30	1.183	0.196	/
Ant.4	Level4	QPSK	Back Side	15	38000	2595	1	Low	-0.12	0.244	23.59	24.30	1.178	0.287	/
Ant.4	Level4	QPSK	Back Side	15	38000	2595	50	Low	0.15	0.187	22.57	23.30	1.183	0.221	/
Ant.4	Level5&6	QPSK	Front Side	15	37850	2580	1	High	-0.03	0.135	21.73	22.30	1.140	0.154	/
Ant.4	Level5&6	QPSK	Front Side	15	37850	2580	50	High	0.13	0.131	21.76	22.30	1.132	0.148	/
Ant.4	Level5&6	QPSK	Back Side	15	37850	2580	1	High	-0.18	0.154	21.73	22.30	1.140	0.176	/
Ant.4	Level5&6	QPSK	Back Side	15	37850	2580	50	High	0.00	0.147	21.76	22.30	1.132	0.166	/
Hotspot															
Ant.3	Level5&6	QPSK	Front Side	10	37850	2580	1	High	0.05	0.263	20.41	21.70	1.346	0.354	/
Ant.3	Level5&6	QPSK	Front Side	10	37850	2580	50	High	0.13	0.261	20.44	21.70	1.337	0.349	/
Ant.3	Level5&6	QPSK	Back Side	10	37850	2580	1	High	-0.15	0.415	20.41	21.70	1.346	0.559	/
Ant.3	Level5&6	QPSK	Back Side	10	37850	2580	50	High	-0.13	0.413	20.44	21.70	1.337	0.552	/
Ant.3	Level5&6	QPSK	Right Edge	10	37850	2580	1	High	-0.17	0.598	20.41	21.70	1.346	0.805	/
Ant.3	Level5&6	QPSK	Right Edge	10	37850	2580	50	High	-0.05	0.614	20.44	21.70	1.337	0.821	36#
Ant.3	Level5&6	QPSK	Top Edge	10	37850	2580	1	High	-0.15	0.035	20.41	21.70	1.346	0.047	/
Ant.3	Level5&6	QPSK	Top Edge	10	37850	2580	50	High	-0.16	0.036	20.44	21.70	1.337	0.048	/
Ant.3	Level5&6	QPSK	Right Edge	0	38000	2595	1	High	0.11	0.602	20.37	21.70	1.358	0.818	/
Ant.3	Level5&6	QPSK	Right Edge	0	38150	2610	1	Low	0.03	0.588	20.40	21.70	1.349	0.793	/
Ant.3	Level5&6	QPSK	Right Edge	0	37850	2580	50	High	0.06	0.601	20.44	21.70	1.337	0.803	/
Ant.3	Level5&6	QPSK	Right Edge	0	38000	2595	50	High	0.09	0.592	20.39	21.70	1.352	0.800	/
Ant.3	Level5&6	QPSK	Right Edge	0	37850	2580	100	Low	0.07	0.576	20.44	21.70	1.337	0.770	/
Ant.4	Level5&6	QPSK	Front Side	10	38150	2580 +2599.8	1	High	-0.01	0.255	21.73	22.30	1.140	0.291	/
Ant.4	Level5&6	QPSK	Front Side	10	37850	2580	50	High	-0.06	0.248	21.76	22.30	1.132	0.281	/
Ant.4	Level5&6	QPSK	Back Side	10	37850	2580	1	High	0.10	0.284	21.73	22.30	1.140	0.324	/
Ant.4	Level5&6	QPSK	Back Side	10	37850	2580	50	High	-0.10	0.289	21.76	22.30	1.132	0.327	/
Ant.4	Level5&6	QPSK	Left Edge	10	37850	2580	1	High	-0.01	0.097	21.73	22.30	1.140	0.111	/
Ant.4	Level5&6	QPSK	Left Edge	10	37850	2580	50	High	0.11	0.093	21.76	22.30	1.132	0.105	/
Ant.4	Level5&6	QPSK	Bottom Edge	10	37850	2580	1	High	0.01	0.485	21.73	22.30	1.140	0.553	/

Ant.4	Level5&6	QPSK	Bottom Edge	10	37850	2580	50	High	-0.06	0.482	21.76	22.30	1.132	0.546	/
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.3	Level4	QPSK	Right Edge	0	37850	2580	1	High	0.03	1.900	22.71	23.70	1.256	2.386	37#
Ant.3	Level4	QPSK	Right Edge	0	37850	2580	50	High	0.10	1.520	21.63	22.70	1.279	1.945	/
Ant.3	Level4	QPSK	Right Edge	0	38000	2595	1	High	0.11	1.830	22.58	23.70	1.294	2.368	/
Ant.3	Level4	QPSK	Right Edge	0	38150	2610	1	High	0.03	1.830	22.70	23.70	1.259	2.304	/
Ant.3	Level4	QPSK	Right Edge	0	37850	2580	50	High	0.06	1.510	21.58	22.70	1.294	1.954	/
Ant.3	Level4	QPSK	Right Edge	0	38000	2595	50	Mid	0.09	1.540	21.62	22.70	1.282	1.975	/
Ant.3	Level4	QPSK	Right Edge	0	38150	2610	100	Low	0.07	1.480	21.59	22.70	1.291	1.911	/
Ant.3	Level5&6	QPSK	Right Edge	0	37850	2580	1	High	0.01	1.100	20.41	21.70	1.346	1.480	/
Ant.3	Level5&6	QPSK	Right Edge	0	37850	2580	50	High	-0.16	1.160	20.44	21.70	1.337	1.550	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head-CA															
Ant.3	Level1	QPSK	Right Cheek	0	37850 +38048	2580 +2599.8	1+1	High +Low	0.04	0.615	19.41	20.20	1.199	0.738	/
Body-worn-CA															
Ant.3	Level4	QPSK	Back Side	15	37850 +38048	2580 +2599.8	1+1	High +Low	0.10	0.221	22.25	23.20	1.245	0.275	/
Hotspot-CA															
Ant.3	Level5&6	QPSK	Right Edge	10	37850 +38048	2580 +2599.8	1+1	High +Low	-0.08	0.426	19.81	21.20	1.377	0.587	/
Specific-CA															
Ant.3	Level4	QPSK	Right Edge	0	37850 +38048	2580 +2599.8	1+1	High +Low	0.04	1.59	22.25	23.20	1.245	1.979	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.15 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.3	Level1	QPSK	Left Cheek	0	40620	2593	1	Low	0.13	0.174	17.78	18.70	1.236	0.215	/
Ant.3	Level1	QPSK	Left Cheek	0	40620	2593	50	Low	0.01	0.170	17.74	18.70	1.247	0.212	/
Ant.3	Level1	QPSK	Left Tilt	0	40620	2593	1	Low	-0.05	0.114	17.78	18.70	1.236	0.141	/
Ant.3	Level1	QPSK	Left Tilt	0	40620	2593	50	Low	-0.19	0.112	17.74	18.70	1.247	0.140	/
Ant.3	Level1	QPSK	Right Cheek	0	40620	2593	1	Low	0.12	0.722	17.78	18.70	1.236	0.892	38#
Ant.3	Level1	QPSK	Right Cheek	0	40620	2593	50	Low	-0.12	0.687	17.74	18.70	1.247	0.857	/
Ant.3	Level1	QPSK	Right Tilt	0	40620	2593	1	Low	-0.14	0.293	17.78	18.70	1.236	0.362	/
Ant.3	Level1	QPSK	Right Tilt	0	40620	2593	50	Low	0.02	0.286	17.74	18.70	1.247	0.357	/
Ant.3	Level1	QPSK	Right Cheek	0	39750	2506	1	Low	0.01	0.650	17.75	18.70	1.245	0.809	/
Ant.3	Level1	QPSK	Right Cheek	0	40185	2549.5	1	Low	-0.12	0.678	17.81	18.70	1.227	0.832	/
Ant.3	Level1	QPSK	Right Cheek	0	41055	2636.5	1	High	0.03	0.654	17.53	18.70	1.309	0.856	/
Ant.3	Level1	QPSK	Right Cheek	0	41490	2680	1	High	-0.18	0.690	17.72	18.70	1.253	0.865	/
Ant.3	Level1	QPSK	Right Cheek	0	39750	2506	50	Low	-0.13	0.639	17.73	18.70	1.250	0.799	/
Ant.3	Level1	QPSK	Right Cheek	0	40185	2549.5	50	Low	0.15	0.683	17.71	18.70	1.256	0.858	/
Ant.3	Level1	QPSK	Right Cheek	0	41055	2636.5	50	Low	-0.06	0.661	17.64	18.70	1.276	0.844	/
Ant.3	Level1	QPSK	Right Cheek	0	41490	2680	50	High	-0.06	0.658	17.73	18.70	1.250	0.823	/
Ant.3	Level1	QPSK	Right Cheek	0	40620	2593	100	Low	0.05	0.680	17.77	18.70	1.239	0.842	/
Ant.3	Level2&3	QPSK	Left Cheek	0	40620	2593	1	Low	-0.04	0.139	17.09	17.70	1.151	0.160	/
Ant.3	Level2&3	QPSK	Left Cheek	0	40620	2593	50	Low	0.00	0.135	17.12	17.70	1.143	0.154	/
Ant.3	Level2&3	QPSK	Left Tilt	0	40620	2593	1	Low	0.01	0.090	17.09	17.70	1.151	0.104	/
Ant.3	Level2&3	QPSK	Left Tilt	0	40620	2593	50	Low	0.17	0.089	17.12	17.70	1.143	0.102	/
Ant.3	Level2&3	QPSK	Right Cheek	0	40620	2593	1	Low	-0.16	0.571	17.09	17.70	1.151	0.657	/
Ant.3	Level2&3	QPSK	Right Cheek	0	40620	2593	50	Low	0.11	0.556	17.12	17.70	1.143	0.635	/
Ant.3	Level2&3	QPSK	Right Tilt	0	40620	2593	1	Low	0.09	0.233	17.09	17.70	1.151	0.268	/
Ant.3	Level2&3	QPSK	Right Tilt	0	40620	2593	50	Low	0.17	0.228	17.12	17.70	1.143	0.261	/
Ant.4	Level1&2&3	QPSK	Left Cheek	0	40620	2593	1	Low	0.18	0.084	23.45	24.80	1.365	0.115	/
Ant.4	Level1&2&3	QPSK	Left Cheek	0	39750	2506	50	High	0.02	0.064	22.51	23.80	1.346	0.086	/
Ant.4	Level1&2&3	QPSK	Left Tilt	0	40620	2593	1	Low	-0.10	0.055	23.45	24.80	1.365	0.075	/
Ant.4	Level1&2&3	QPSK	Left Tilt	0	39750	2506	50	High	-0.17	0.043	22.51	23.80	1.346	0.058	/
Ant.4	Level1&2&3	QPSK	Right Cheek	0	40620	2593	1	Low	0.08	0.153	23.45	24.80	1.365	0.209	/
Ant.4	Level1&2&3	QPSK	Right Cheek	0	39750	2506	50	High	-0.16	0.109	22.51	23.80	1.346	0.147	/
Ant.4	Level1&2&3	QPSK	Right Tilt	0	40620	2593	1	Low	-0.19	0.043	23.45	24.80	1.365	0.059	/
Ant.4	Level1&2&3	QPSK	Right Tilt	0	39750	2506	50	High	-0.08	0.035	22.51	23.80	1.346	0.047	/
Body-worn															
Ant.3	Level4	QPSK	Front Side	15	40620	2593	1	Low	-0.18	0.220	21.43	22.20	1.194	0.263	/
Ant.3	Level4	QPSK	Front Side	15	40620	2593	50	Low	-0.17	0.213	21.39	22.20	1.205	0.257	/

Ant.3	Level4	QPSK	Back Side	15	40620	2593	1	Low	-0.12	0.296	21.43	22.20	1.194	0.353	39#
Ant.3	Level4	QPSK	Back Side	15	40620	2593	50	Low	0.01	0.293	21.39	22.20	1.205	0.353	/
Ant.3	Level5&6	QPSK	Front Side	15	40620	2593	1	Low	0.04	0.123	18.78	19.70	1.236	0.152	/
Ant.3	Level5&6	QPSK	Front Side	15	40620	2593	50	Low	-0.14	0.121	18.75	19.70	1.245	0.151	/
Ant.3	Level5&6	QPSK	Back Side	15	40620	2593	1	Low	0.08	0.166	18.78	19.70	1.236	0.205	/
Ant.3	Level5&6	QPSK	Back Side	15	40620	2593	50	Low	-0.01	0.165	18.75	19.70	1.245	0.205	/
Ant.4	Level4	QPSK	Front Side	15	40620	2593	1	Low	0.12	0.201	23.05	24.30	1.334	0.268	/
Ant.4	Level4	QPSK	Front Side	15	40620	2593	50	Low	0.06	0.182	22.13	23.80	1.469	0.267	/
Ant.4	Level4	QPSK	Back Side	15	40620	2593	1	Low	-0.13	0.219	23.05	24.30	1.334	0.292	/
Ant.4	Level4	QPSK	Back Side	15	40620	2593	50	Low	0.05	0.197	22.13	23.80	1.469	0.289	/
Ant.4	Level5&6	QPSK	Front Side	15	40620	2593	1	High	-0.05	0.129	21.34	22.30	1.247	0.161	/
Ant.4	Level5&6	QPSK	Front Side	15	40620	2593	50	Mid	0.17	0.132	21.25	22.30	1.274	0.168	/
Ant.4	Level5&6	QPSK	Back Side	15	40620	2593	1	High	0.02	0.138	21.34	22.30	1.247	0.172	/
Ant.4	Level5&6	QPSK	Back Side	15	40620	2593	50	Mid	-0.11	0.138	21.25	22.30	1.274	0.176	/
Hotspot															
Ant.3	Level5&6	QPSK	Front Side	10	40620	2593	1	Low	-0.15	0.230	18.78	19.70	1.236	0.284	/
Ant.3	Level5&6	QPSK	Front Side	10	40620	2593	50	Low	0.17	0.239	18.75	19.70	1.245	0.297	/
Ant.3	Level5&6	QPSK	Back Side	10	40620	2593	1	Low	0.18	0.352	18.78	19.70	1.236	0.435	/
Ant.3	Level5&6	QPSK	Back Side	10	40620	2593	50	Low	-0.02	0.368	18.75	19.70	1.245	0.458	/
Ant.3	Level5&6	QPSK	Right Edge	10	40620	2593	1	Low	-0.10	0.430	18.78	19.70	1.236	0.531	/
Ant.3	Level5&6	QPSK	Right Edge	10	40620	2593	50	Low	-0.17	0.432	18.75	19.70	1.245	0.538	/
Ant.3	Level5&6	QPSK	Top Edge	10	40620	2593	1	Low	0.19	0.046	18.78	19.70	1.236	0.057	/
Ant.3	Level5&6	QPSK	Top Edge	10	40620	2593	50	Low	-0.05	0.051	18.75	19.70	1.245	0.063	/
Ant.4	Level5&6	QPSK	Front Side	10	40620	2593	1	High	0.05	0.241	21.34	22.30	1.247	0.301	/
Ant.4	Level5&6	QPSK	Front Side	10	40620	2593	50	Mid	0.13	0.246	21.25	22.30	1.274	0.313	/
Ant.4	Level5&6	QPSK	Back Side	10	40620	2593	1	High	-0.03	0.277	21.34	22.30	1.247	0.346	/
Ant.4	Level5&6	QPSK	Back Side	10	40620	2593	50	Mid	-0.06	0.280	21.25	22.30	1.274	0.357	/
Ant.4	Level5&6	QPSK	Left Edge	10	40620	2593	1	High	0.18	0.094	21.34	22.30	1.247	0.117	/
Ant.4	Level5&6	QPSK	Left Edge	10	40620	2593	50	Mid	-0.19	0.091	21.25	22.30	1.274	0.116	/
Ant.4	Level5&6	QPSK	Bottom Edge	10	40620	2593	1	High	-0.13	0.472	21.34	22.30	1.247	0.589	40#
Ant.4	Level5&6	QPSK	Bottom Edge	10	40620	2593	50	Mid	0.16	0.461	21.25	22.30	1.274	0.587	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head-CA															
Ant.3	Level1	QPSK	Right Cheek	0	40620 +40818	2593 +2612.8	1+1	High +Low	-0.14	0.587	16.92	17.90	1.253	0.736	/
Body-worn-CA															
Ant.3	Level4	QPSK	Back Side	15	40620 +40818	2593 +2612.8	1+1	High +Low	0.02	0.241	20.48	21.40	1.236	0.298	/
Hotspot-CA															
Ant.4	Level5&6	QPSK	Bottom Edge	10	40620 +40818	2593 +2612.8	1+1	High +Low	0.13	0.384	20.46	21.50	1.271	0.488	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.17 NR n5 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.0	Level1	DFT-s	SA	Left Cheek	0	167300	836.5	1	1	0.10	0.705	21.02	21.70	1.169	0.824	41#
			SA		0	166800	834	1	1	-0.07	0.661	20.75	21.70	1.245	0.823	/
			SA		0	167800	839	1	1	-0.13	0.652	20.81	21.70	1.227	0.800	/
			SA		0	167300	836.5	50	0	-0.08	0.671	21.02	21.70	1.169	0.785	/
			SA		0	167300	836.5	100	0	0.18	0.554	20.86	21.70	1.213	0.672	/
		OFDM BPSK	SA	Left Tilt	0	167300	836.5	1	1	-0.05	0.072	21.02	21.70	1.169	0.084	/
			SA		0	167300	836.5	50	0	0.19	0.071	21.02	21.70	1.169	0.083	/
			SA	Right Cheek	0	167300	836.5	1	1	0.17	0.371	21.02	21.70	1.169	0.434	/
			SA		0	167300	836.5	50	0	-0.19	0.323	21.02	21.70	1.169	0.378	/
			SA	Right Tilt	0	167300	836.5	1	1	-0.05	0.062	21.02	21.70	1.169	0.073	/
			SA		0	167300	836.5	50	0	0.19	0.053	21.02	21.70	1.169	0.062	/
	Level1	DFT-s OFDM BPSK	ENDC	Left Cheek	0	167300	836.5	1	1	-0.08	0.388	18.30	19.20	1.230	0.477	/
			ENDC		0	167300	836.5	50	0	0.14	0.265	18.27	19.20	1.239	0.328	/
			ENDC	Left Tilt	0	167300	836.5	1	1	0.02	0.035	18.30	19.20	1.230	0.043	/
			ENDC		0	167300	836.5	50	0	-0.18	0.036	18.27	19.20	1.239	0.045	/
			ENDC	Right Cheek	0	167300	836.5	1	1	-0.13	0.211	18.30	19.20	1.230	0.260	/
			ENDC		0	167300	836.5	50	0	0.10	0.186	18.27	19.20	1.239	0.230	/
			ENDC	Right Tilt	0	167300	836.5	1	1	-0.10	0.033	18.30	19.20	1.230	0.041	/
			ENDC		0	167300	836.5	50	0	-0.15	0.028	18.27	19.20	1.239	0.035	/
	Level2&3		SA	Left Cheek	0	167300	836.5	1	1	0.02	0.552	20.37	20.70	1.079	0.596	/

		DFT-s-OFDM	SA	Left Tilt	0	167300	836.5	50	0	-0.08	0.474	20.52	20.70	1.042	0.494	/	
			SA		0	167300	836.5	1	1	-0.06	0.055	20.37	20.70	1.079	0.059	/	
			SA		0	167300	836.5	50	0	0.18	0.053	20.52	20.70	1.042	0.055	/	
			SA	Right Cheek	0	167300	836.5	1	1	-0.15	0.302	20.37	20.70	1.079	0.326	/	
			SA		0	167300	836.5	50	0	0.19	0.261	20.52	20.70	1.042	0.272	/	
			SA	Right Tilt	0	167300	836.5	1	1	-0.04	0.046	20.37	20.70	1.079	0.050	/	
			SA		0	167300	836.5	50	0	-0.10	0.041	20.52	20.70	1.042	0.043	/	
		Level2&3	DFT-s-OFDM	ENDC	Left Cheek	0	167300	836.5	1	1	0.12	0.251	16.30	17.20	1.230	0.309	/
	ENDC			0		167300	836.5	50	0	0.10	0.215	16.26	17.20	1.242	0.267	/	
	ENDC			Left Tilt	0	167300	836.5	1	1	-0.11	0.024	16.30	17.20	1.230	0.030	/	
	ENDC				0	167300	836.5	50	0	0.12	0.023	16.26	17.20	1.242	0.029	/	
	ENDC			Right Cheek	0	167300	836.5	1	1	-0.12	0.138	16.30	17.20	1.230	0.170	/	
	ENDC				0	167300	836.5	50	0	-0.19	0.121	16.26	17.20	1.242	0.150	/	
	ENDC			Right Tilt	0	167300	836.5	1	1	-0.16	0.021	16.30	17.20	1.230	0.025	/	
	ENDC				0	167300	836.5	50	0	0.13	0.018	16.26	17.20	1.242	0.023	/	
	Ant.1	Level1&2&3	DFT-s-OFDM	SA&ENDC	Left Cheek	0	167300	836.5	1	1	0.15	0.176	23.99	24.50	1.125	0.198	/
SA&ENDC				0		167300	836.5	50	0	0.150	0.167	23.92	24.50	1.143	0.191	/	
SA&ENDC				Left Tilt	0	167300	836.5	1	1	-0.17	0.085	23.99	24.50	1.125	0.096	/	
SA&ENDC					0	167300	836.5	50	0	0.14	0.076	23.92	24.50	1.143	0.086	/	
SA&ENDC				Right Cheek	0	167300	836.5	1	1	0.02	0.122	23.99	24.50	1.125	0.138	/	
SA&ENDC					0	167300	836.5	50	0	-0.16	0.106	23.92	24.50	1.143	0.121	/	
SA&ENDC				Right Tilt	0	167300	836.5	1	1	-0.18	0.083	23.99	24.50	1.125	0.093	/	
SA&ENDC					0	167300	836.5	50	0	0.05	0.076	23.92	24.50	1.143	0.087	/	
Body-worn Accessory																	
Ant.0	Level4	DFT-s-OFDM	SA	Front Side	15	166800	834	1	1	-0.08	0.316	23.49	24.20	1.178	0.372	/	
			SA		15	166800	834	50	0	0.15	0.288	23.40	24.20	1.202	0.346	/	
		BPSK	SA	Back Side	15	166800	834	1	1	-0.18	0.398	23.49	24.20	1.178	0.469	42#	
			SA		15	166800	834	50	0	-0.03	0.371	23.40	24.20	1.202	0.446	/	
	Level5&6	DFT-s-OFDM	SA&ENDC	Front Side	15	166800	834	1	1	0.18	0.212	21.27	22.20	1.239	0.263	/	
			SA&ENDC		15	166800	834	50	0	0.02	0.183	21.41	22.20	1.199	0.220	/	
		BPSK	SA&ENDC	Back Side	15	166800	834	1	1	-0.01	0.232	21.27	22.20	1.239	0.287	/	
			SA&ENDC		15	166800	834	50	0	-0.16	0.225	21.41	22.20	1.199	0.270	/	
	Level5&6	DFT-s-OFDM	ENDC	Front Side	15	166800	834	1	1	0.09	0.086	17.35	18.20	1.216	0.105	/	
			ENDC		15	166800	834	50	0	0.10	0.071	17.32	18.20	1.225	0.087	/	
		BPSK	ENDC	Back Side	15	166800	834	1	1	0.19	0.095	17.35	18.20	1.216	0.116	/	
			ENDC		15	166800	834	50	0	-0.12	0.092	17.32	18.20	1.225	0.113	/	
	Ant.1	Level4&5&6	DFT-s-OFDM	SA&ENDC	Front Side	15	167300	836.5	1	1	0.17	0.128	23.99	24.50	1.125	0.144	/
				SA&ENDC		15	167300	836.5	50	0	0.03	0.118	23.92	24.50	1.143	0.134	/
			BPSK	SA&ENDC	Back Side	15	167300	836.5	1	1	-0.13	0.145	23.99	24.50	1.125	0.163	/
				SA&ENDC		15	167300	836.5	50	0	0.15	0.136	23.92	24.50	1.143	0.155	/
Level5&6			ENDC	Front Side	15	167300	836.5	1	1	-0.17	0.092	22.45	23.00	1.135	0.104	/	

		DFT-s-	ENDC		15	167300	836.5	50	0	-0.14	0.085	22.43	23.00	1.140	0.097	/
		OFDM	ENDC	Back Side	15	167300	836.5	1	1	0.09	0.101	22.45	23.00	1.135	0.115	/
		BPSK	ENDC		15	167300	836.5	50	0	-0.08	0.095	22.43	23.00	1.140	0.108	/
Hotspot																
Ant.0	Level5&6	DFT-s-	SA	Front Side	10	166800	834	1	1	-0.05	0.221	21.27	22.20	1.239	0.274	/
			SA		10	166800	834	50	0	0.09	0.206	21.41	22.20	1.199	0.247	/
		OFDM	SA	Back Side	10	166800	834	1	1	0.07	0.312	21.27	22.20	1.239	0.387	/
			SA		10	166800	834	50	0	-0.16	0.288	21.41	22.20	1.199	0.345	/
		BPSK	SA	Right Edge	10	167800	839	1	1	0.03	0.361	21.27	22.20	1.239	0.447	43#
			SA		10	166800	834	50	0	0.12	0.302	21.41	22.20	1.199	0.362	/
	Level5&6	DFT-s-	ENDC	Front Side	10	166800	834	1	1	-0.03	0.091	17.35	18.20	1.216	0.111	/
			ENDC		10	166800	834	50	0	0.16	0.083	17.32	18.20	1.225	0.102	/
		OFDM	ENDC	Back Side	10	166800	834	1	1	0.11	0.121	17.35	18.20	1.216	0.147	/
			ENDC		10	166800	834	50	0	0.13	0.123	17.32	18.20	1.225	0.151	/
		BPSK	ENDC	Right Edge	10	167800	839	1	1	0.14	0.134	17.35	18.20	1.216	0.163	/
			ENDC		10	166800	834	50	0	0.06	0.126	17.32	18.20	1.225	0.154	/
Ant.1	Level5&6	DFT-s-	SA	Front Side	10	167300	836.5	1	1	-0.01	0.205	23.99	24.50	1.125	0.231	/
			SA		10	167300	836.5	50	0	-0.11	0.191	23.92	24.50	1.143	0.218	/
		OFDM	SA	Back Side	10	167300	836.5	1	1	-0.07	0.266	23.99	24.50	1.125	0.300	/
			SA		10	167300	836.5	50	0	0.13	0.263	23.92	24.50	1.143	0.300	/
		BPSK	SA	Right Edge	10	167300	836.5	1	1	-0.12	0.234	23.99	24.50	1.125	0.263	/
			SA		10	167300	836.5	50	0	-0.19	0.220	23.92	24.50	1.143	0.251	/
			SA	Bottom	10	167300	836.5	1	1	0.08	0.121	23.99	24.50	1.125	0.136	/
			SA		10	167300	836.5	50	0	-0.19	0.112	23.92	24.50	1.143	0.128	/
	Level5&6	DFT-s-	ENDC	Front Side	10	167300	836.5	1	1	0.12	0.141	22.45	23.00	1.135	0.160	/
			ENDC		10	167300	836.5	50	0	0.05	0.138	22.43	23.00	1.140	0.157	/
		OFDM	ENDC	Back Side	10	167300	836.5	1	1	-0.17	0.192	22.45	23.00	1.135	0.218	/
			ENDC		10	167300	836.5	50	0	-0.01	0.183	22.43	23.00	1.140	0.209	/
		BPSK	ENDC	Right Edge	10	167300	836.5	1	1	-0.15	0.161	22.45	23.00	1.135	0.183	/
			ENDC		10	167300	836.5	50	0	0.09	0.152	22.43	23.00	1.140	0.173	/
			ENDC	Bottom	10	167300	836.5	1	1	-0.16	0.085	22.45	23.00	1.135	0.096	/
			ENDC		10	167300	836.5	50	0	-0.13	0.074	22.43	23.00	1.140	0.084	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.18 NR n7 (20MHz Bandwidth)

Ant.enna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq (MHz)	RB Num	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.3	Level1	DFT-s-OFDM	SA	Left Cheek	0	507000	2535	1	1	0.00	0.165	15.16	16.10	1.242	0.205	/
			SA		0	507000	2535	80	0	-0.14	0.171	15.31	16.10	1.199	0.205	/
			SA	Left Tilt	0	507000	2535	1	1	0.07	0.121	15.16	16.10	1.242	0.150	/
			SA		0	507000	2535	80	0	-0.06	0.115	15.31	16.10	1.199	0.138	/
			SA		0	507000	2535	1	1	-0.04	0.698	15.16	16.10	1.242	0.867	/
			SA		0	503000	2515	1	1	-0.19	0.662	15.10	16.10	1.259	0.833	/
			SA		0	511000	2555	1	1	0.11	0.721	15.11	16.10	1.256	0.906	44#
			SA		0	507000	2535	80	0	-0.05	0.668	15.31	16.10	1.199	0.801	/
		BPSK	SA	Right Cheek	0	503000	2515	80	0	0.02	0.565	15.21	16.10	1.227	0.694	/
			SA		0	511000	2555	80	0	-0.19	0.671	15.30	16.10	1.202	0.807	/
			SA		0	507000	2535	160	0	0.15	0.642	15.22	16.10	1.225	0.786	/
			SA		0	507000	2535	1	1	-0.07	0.323	15.16	16.10	1.242	0.401	/
			SA	Right Tilt	0	507000	2535	80	0	-0.10	0.301	15.31	16.10	1.199	0.361	/
			SA		0	507000	2535	80	0	-0.10	0.301	15.31	16.10	1.199	0.361	/
Ant.3	Level2&3	DFT-s-OFDM	SA	Left Cheek	0	507000	2535	1	1	0.18	0.153	14.69	15.60	1.233	0.189	/
			SA		0	507000	2535	80	0	0.19	0.146	14.91	15.60	1.172	0.171	/
			SA	Left Tilt	0	507000	2535	1	1	-0.15	0.102	14.69	15.60	1.233	0.126	/
			SA		0	507000	2535	80	0	0.10	0.099	14.91	15.60	1.172	0.116	/
		BPSK	SA	Right Cheek	0	507000	2535	1	1	0.01	0.634	14.69	15.60	1.233	0.782	/
			SA		0	507000	2535	80	0	0.19	0.622	14.91	15.60	1.172	0.729	/
			SA	Right Tilt	0	507000	2535	1	1	0.17	0.265	14.69	15.60	1.233	0.327	/
			SA		0	507000	2535	80	0	-0.13	0.261	14.91	15.60	1.172	0.306	/
Ant.4	Level1&2&3	DFT-s-OFDM	SA	Left Cheek	0	503000	2515	1	1	-0.11	0.119	23.22	24.20	1.253	0.149	/
			SA		0	503000	2515	80	0	-0.13	0.106	23.33	24.20	1.222	0.130	/
			SA	Left Tilt	0	503000	2515	1	1	0.13	0.069	23.22	24.20	1.253	0.086	/
			SA		0	503000	2515	80	0	0.00	0.064	23.33	24.20	1.222	0.078	/
		BPSK	SA	Right Cheek	0	503000	2515	1	1	0.07	0.175	23.22	24.20	1.253	0.219	/
			SA		0	503000	2515	80	0	0.15	0.152	23.33	24.20	1.222	0.186	/
			SA	Right Tilt	0	503000	2515	1	1	-0.06	0.021	23.22	24.20	1.253	0.026	/
			SA		0	503000	2515	80	0	-0.04	0.018	23.33	24.20	1.222	0.022	/
Ant.5	Level1	DFT-s-OFDM	ENDC	Left Cheek	0	503000	2515	1	1	-0.16	0.262	15.55	16.20	1.161	0.243	/
			ENDC		0	511000	2555	80	0	0.01	0.248	15.54	16.20	1.164	0.244	/
			ENDC	Left Tilt	0	503000	2515	1	1	0.04	0.273	15.55	16.20	1.161	0.289	/
		BPSK	ENDC		0	511000	2555	80	0	-0.09	0.321	15.54	16.20	1.164	0.349	/
			ENDC	Right Cheek	0	503000	2515	1	1	0.11	0.366	15.55	16.20	1.161	0.341	/
			ENDC		0	511000	2555	80	0	-0.10	0.361	15.54	16.20	1.164	0.349	/
			ENDC	Right Tilt	0	503000	2515	1	1	0.10	0.532	15.55	16.20	1.161	0.506	/

			ENDC		0	511000	2555	1	1	0.03	0.602	15.54	16.20	1.164	0.570	/
Ant.5	Level2&3	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	503000	2515	1	1	-0.02	0.162	13.50	14.20	1.175	0.190	/
			ENDC		0	511000	2555	80	0	0.09	0.163	13.51	14.20	1.172	0.191	/
			ENDC	Left Tilt	0	503000	2515	1	1	0.04	0.192	13.50	14.20	1.175	0.226	/
			ENDC		0	511000	2555	80	0	-0.18	0.231	13.51	14.20	1.172	0.271	/
			ENDC	Right Cheek	0	503000	2515	1	1	0.08	0.242	13.50	14.20	1.175	0.284	/
			ENDC		0	511000	2555	80	0	-0.16	0.236	13.51	14.20	1.172	0.277	/
			ENDC	Right Tilt	0	503000	2515	1	1	0.04	0.345	13.50	14.20	1.175	0.405	/
			ENDC		0	511000	2555	1	1	-0.14	0.382	13.51	14.20	1.172	0.448	/
Ant.6	Level1	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	503000	2515	1	1	-0.19	0.423	16.98	17.60	1.153	0.488	/
			ENDC		0	503000	2515	80	0	0.03	0.411	16.92	17.60	1.169	0.481	/
			ENDC	Left Tilt	0	503000	2515	1	1	0.09	0.162	16.98	17.60	1.153	0.187	/
			ENDC		0	503000	2515	80	0	0.04	0.143	16.92	17.60	1.169	0.167	/
			ENDC	Right Cheek	0	503000	2515	1	1	-0.04	0.234	16.98	17.60	1.153	0.270	/
			ENDC		0	503000	2515	80	0	0.03	0.221	16.92	17.60	1.169	0.258	/
			ENDC	Right Tilt	0	503000	2515	1	1	0.09	0.073	16.98	17.60	1.153	0.084	/
			ENDC		0	503000	2515	80	0	-0.16	0.071	16.92	17.60	1.169	0.083	/
Ant.6	Level2&3	DFT-s-OFDM BPSK	ENDC	Left Cheek	0	503000	2515	1	1	0.02	0.292	14.92	15.60	1.169	0.341	/
			ENDC		0	503000	2515	80	0	-0.16	0.263	14.94	15.60	1.164	0.306	/
			ENDC	Left Tilt	0	503000	2515	1	1	-0.18	0.095	14.92	15.60	1.169	0.111	/
			ENDC		0	503000	2515	80	0	-0.17	0.087	14.94	15.60	1.164	0.101	/
			ENDC	Right Cheek	0	503000	2515	1	1	0.07	0.156	14.92	15.60	1.169	0.182	/
			ENDC		0	503000	2515	80	0	-0.13	0.151	14.94	15.60	1.164	0.176	/
			ENDC	Right Tilt	0	503000	2515	1	1	0.16	0.047	14.92	15.60	1.169	0.055	/
			ENDC		0	503000	2515	80	0	0.14	0.045	14.94	15.60	1.164	0.052	/
Body-worn Accessory																
Ant.3	Level4	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	1	0.06	0.232	19.35	20.60	1.334	0.309	/
			SA		15	507000	2535	80	0	0.02	0.221	19.48	20.60	1.294	0.286	/
			SA	Back Side	15	507000	2535	1	1	0.07	0.297	19.35	20.60	1.334	0.396	45#
			SA		15	507000	2535	80	0	0.18	0.285	19.48	20.60	1.294	0.369	/
Ant.3	Level5&6	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	1	-0.15	0.141	17.34	18.60	1.337	0.188	/
			SA		15	507000	2535	80	0	0.15	0.134	17.37	18.60	1.327	0.178	/
			SA	Back Side	15	507000	2535	1	1	0.13	0.192	17.34	18.60	1.337	0.257	/
			SA		15	507000	2535	80	0	0.11	0.185	17.37	18.60	1.327	0.246	/
Ant.4	Level4	DFT-s-OFDM BPSK	SA	Front Side	15	503000	2515	1	1	0.06	0.173	21.29	22.20	1.233	0.213	/
			SA		15	511000	2565	80	0	0.10	0.165	21.43	22.20	1.194	0.197	/
			SA	Back Side	15	503000	2515	1	1	0.16	0.179	21.29	22.20	1.233	0.221	/
			SA		15	511000	2565	80	0	-0.01	0.174	21.43	22.20	1.194	0.208	/
Ant.4	Level5&6	DFT-s-OFDM BPSK	SA	Front Side	15	503000	2515	1	1	-0.17	0.125	19.81	20.70	1.227	0.153	/
			SA		15	511000	2565	80	0	0.06	0.121	19.90	20.70	1.202	0.145	/
			SA	Back Side	15	503000	2515	1	1	-0.01	0.134	19.81	20.70	1.227	0.164	/
			SA		15	511000	2565	80	0	-0.07	0.131	19.90	20.70	1.202	0.157	/
Ant.5	Level4		ENDC	Front Side	15	503000	2515	1	1	0.19	0.088	18.49	19.20	1.178	0.104	/

		DFT-s-	ENDC	Back Side	15	503000	2515	80	0	-0.16	0.078	18.45	19.20	1.189	0.092	/
		OFDM	ENDC		15	503000	2515	1	1	0.19	0.104	18.49	19.20	1.178	0.123	/
		BPSK	ENDC		15	503000	2515	80	0	0.19	0.095	18.45	19.20	1.189	0.112	/
Ant.5	Level5&6	DFT-s-	ENDC	Front Side	15	503000	2515	1	1	-0.02	0.061	16.51	17.20	1.172	0.072	/
			OFDM		ENDC	15	503000	2515	80	0	-0.06	0.055	16.51	17.20	1.172	0.064
		BPSK	ENDC	Back Side	15	503000	2515	1	1	-0.02	0.062	16.51	17.20	1.172	0.073	/
			ENDC		15	503000	2515	80	0	-0.19	0.060	16.51	17.20	1.172	0.070	/
Ant.6	Level4	DFT-s-	ENDC	Front Side	15	507000	2535	1	1	0.18	0.083	17.92	18.60	1.169	0.097	/
			OFDM		ENDC	15	507000	2535	80	0	0.09	0.074	17.94	18.60	1.164	0.086
		BPSK	ENDC	Back Side	15	507000	2535	1	1	0.04	0.161	17.92	18.60	1.169	0.188	/
			ENDC		15	507000	2535	80	0	0.09	0.153	17.94	18.60	1.164	0.178	/
Ant.6	Level5&6	DFT-s-	ENDC	Front Side	15	507000	2535	1	1	-0.15	0.035	14.36	15.10	1.186	0.042	/
			OFDM		ENDC	15	507000	2535	80	0	-0.06	0.033	14.38	15.10	1.180	0.039
		BPSK	ENDC	Back Side	15	507000	2535	1	1	-0.05	0.072	14.36	15.10	1.186	0.085	/
			ENDC		15	507000	2535	80	0	-0.14	0.068	14.38	15.10	1.180	0.080	/
Hotspot																
Ant.3	Level5&6	DFT-s- OFDM BPSK	SA	Front Side	10	507000	2535	1	1	0.08	0.161	17.34	18.60	1.337	0.215	/
			SA		10	507000	2535	80	0	-0.06	0.148	17.37	18.60	1.327	0.196	/
			SA	Back Side	10	507000	2535	1	1	0.11	0.256	17.34	18.60	1.337	0.342	/
			SA		10	507000	2535	80	0	-0.14	0.247	17.37	18.60	1.327	0.328	/
			SA	Right Edge	10	507000	2535	1	1	-0.12	0.323	17.34	18.60	1.337	0.432	/
			SA		10	512000	2560	1	1	0.07	0.406	17.37	18.60	1.327	0.539	46#
			SA	Top Edge	10	507000	2535	1	1	0.04	0.042	17.34	18.60	1.337	0.056	/
			SA		10	507000	2535	80	0	-0.07	0.041	17.37	18.60	1.327	0.054	/
Ant.4	Level5&6	DFT-s- OFDM BPSK	SA	Front Side	10	503000	2515	1	1	-0.04	0.171	19.81	20.70	1.227	0.210	/
			SA		10	511000	2565	80	0	-0.18	0.173	19.90	20.70	1.202	0.208	/
			SA	Back Side	10	503000	2515	1	1	-0.01	0.189	19.81	20.70	1.227	0.232	/
			SA		10	511000	2565	80	0	-0.14	0.212	19.90	20.70	1.202	0.255	/
			SA	Left Edge	10	503000	2515	1	1	0.01	0.071	19.81	20.70	1.227	0.087	/
			SA		10	511000	2565	80	0	-0.10	0.071	19.90	20.70	1.202	0.085	/
			SA	Bottom	10	503000	2515	1	1	-0.16	0.362	19.81	20.70	1.227	0.444	/
			SA		10	511000	2565	1	1	0.06	0.372	19.90	20.70	1.202	0.447	/
Ant.5	Level5&6	DFT-s- OFDM BPSK	ENDC	Front Side	10	503000	2515	1	1	0.03	0.098	16.51	17.20	1.172	0.115	/
			ENDC		10	503000	2515	80	0	0.05	0.098	16.51	17.20	1.172	0.115	/
			ENDC	Back Side	10	503000	2515	1	1	0.05	0.172	16.51	17.20	1.172	0.202	/
			ENDC		10	503000	2515	80	0	0.01	0.175	16.51	17.20	1.172	0.205	/
			ENDC	Right Edge	10	503000	2515	1	1	0.09	0.106	16.51	17.20	1.172	0.124	/
			ENDC		10	503000	2515	80	0	0.01	0.112	16.51	17.20	1.172	0.131	/
			ENDC	Top Edge	10	503000	2515	1	1	-0.17	0.252	16.51	17.20	1.172	0.295	/
			ENDC		10	503000	2515	80	0	-0.10	0.247	16.51	17.20	1.172	0.290	/
Ant.6	Level5&6	DFT-s-	ENDC	Front Side	10	512000	2560	1	1	0.10	0.095	14.36	15.10	1.186	0.113	/
			OFDM		ENDC	10	507000	2535	80	0	-0.10	0.089	14.38	15.10	1.180	0.105
		BPSK	ENDC	Back Side	10	512000	2560	1	1	-0.12	0.192	14.36	15.10	1.186	0.228	/

			ENDC		10	502000	2510	1	1	0.13	0.185	14.38	15.10	1.180	0.218	/
			ENDC	Left Edge	10	512000	2560	1	1	0.02	0.202	14.36	15.10	1.186	0.240	/
			ENDC		10	507000	2535	80	0	-0.09	0.198	14.38	15.10	1.180	0.234	/
			ENDC	Top Edge	10	512000	2560	1	1	0.12	0.021	14.36	15.10	1.186	0.025	/
			ENDC		10	507000	2535	80	0	-0.07	0.019	14.38	15.10	1.180	0.022	/

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

10.19 NR n38 (20MHz Bandwidth)

Ant.enna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq (MHz)	RB Num	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.3	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	1	0.09	0.221	15.58	16.60	1.265	0.280	/
			SA		0	519000	2595	50	0	-0.04	0.216	15.48	16.60	1.294	0.280	/
			SA	Left Tilt	0	519000	2595	1	1	-0.01	0.145	15.58	16.60	1.265	0.183	/
			SA		0	519000	2595	50	0	0.09	0.141	15.48	16.60	1.294	0.182	/
			SA	Right Cheek	0	519000	2595	1	1	-0.04	0.788	15.58	16.60	1.265	0.997	/
			SA		0	518000	2590	1	1	0.11	0.795	15.52	16.60	1.282	1.019	/
			SA		0	520000	2600	1	1	-0.19	0.831	15.57	16.60	1.268	1.053	47#
			SA		0	519000	2595	50	0	0.00	0.771	15.48	16.60	1.294	0.998	/
			SA		0	518000	2590	50	0	0.19	0.756	15.43	16.60	1.309	0.990	/
			SA		0	520000	2600	50	0	0.16	0.746	15.42	16.60	1.312	0.979	/
			SA		0	519000	2595	100	0	0.11	0.741	15.66	16.60	1.242	0.920	/
			SA	Right Tilt	0	519000	2595	1	1	0.01	0.372	15.58	16.60	1.265	0.470	/
			SA		0	519000	2595	50	0	-0.02	0.368	15.48	16.60	1.294	0.476	/
Ant.3	Level2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	1	-0.11	0.188	15.07	16.10	1.268	0.238	/
			SA		0	519000	2595	50	0	-0.15	0.185	15.14	16.10	1.247	0.231	/
			SA	Left Tilt	0	519000	2595	1	1	0.15	0.116	15.07	16.10	1.268	0.147	/
			SA		0	519000	2595	50	0	-0.11	0.113	15.14	16.10	1.247	0.141	/
			SA	Right Cheek	0	519000	2595	1	1	0.12	0.685	15.07	16.10	1.268	0.868	/
			SA		0	518000	2590	1	1	-0.13	0.683	15.03	16.10	1.279	0.874	/
			SA		0	520000	2600	1	1	-0.01	0.721	15.05	16.10	1.274	0.918	/
			SA		0	519000	2595	50	0	-0.13	0.702	15.14	16.10	1.247	0.876	/
			SA		0	518000	2590	50	0	-0.11	0.688	15.03	16.10	1.279	0.880	/
			SA		0	520000	2600	50	0	-0.09	0.672	15.05	16.10	1.274	0.856	/
			SA		0	519000	2595	100	0	-0.01	0.656	15.07	16.10	1.268	0.832	/
			SA	Right Tilt	0	519000	2595	1	1	0.19	0.282	15.07	16.10	1.268	0.357	/
			SA		0	519000	2595	50	0	-0.05	0.234	15.14	16.10	1.247	0.292	/
Ant.4	Level1&2&3		SA	Left Cheek	0	520000	2600	1	1	0.15	0.204	23.48	24.70	1.324	0.270	/

		DFT-s-OFDM BPSK	SA	Left Tilt	0	520000	2600	50	0	0.03	0.156	23.29	24.70	1.384	0.216	/
			SA		0	520000	2600	1	1	0.01	0.107	23.48	24.70	1.324	0.142	/
			SA	Right Cheek	0	520000	2600	50	0	0.09	0.054	23.29	24.70	1.384	0.075	/
			SA		0	520000	2600	1	1	0.11	0.223	23.48	24.70	1.324	0.295	/
			SA	Right Tilt	0	520000	2600	50	0	-0.10	0.141	23.29	24.70	1.384	0.195	/
			SA		0	520000	2600	1	1	-0.19	0.098	23.48	24.70	1.324	0.130	/
			SA		0	520000	2600	50	0	-0.16	0.067	23.29	24.70	1.384	0.093	/
Body-worn Accessory																
Ant.3	Level4	DFT-s-OFDM	SA	Front Side	15	519000	2595	1	1	-0.10	0.202	18.93	20.10	1.309	0.264	/
			SA		15	519000	2595	50	0	0.00	0.195	18.95	20.10	1.303	0.254	/
		BPSK	SA	Back Side	15	519000	2595	1	1	-0.12	0.318	18.93	20.10	1.309	0.416	48#
			SA		15	519000	2595	50	0	0.15	0.302	18.95	20.10	1.303	0.394	/
Ant.3	Level5&6	DFT-s-OFDM	SA	Front Side	15	519000	2595	1	1	0.05	0.131	17.06	18.10	1.271	0.166	/
			SA		15	519000	2595	50	0	0.08	0.125	16.91	18.10	1.315	0.164	/
		BPSK	SA	Back Side	15	519000	2595	1	1	0.13	0.194	17.06	18.10	1.271	0.246	/
			SA		15	519000	2595	50	0	0.14	0.188	16.91	18.10	1.315	0.247	/
Ant.4	Level4&5&6	DFT-s-OFDM	SA	Front Side	15	520000	2600	1	1	-0.12	0.181	20.97	22.20	1.327	0.240	/
			SA		15	520000	2600	50	0	0.08	0.176	20.99	22.20	1.321	0.233	/
		BPSK	SA	Back Side	15	520000	2600	1	1	0.05	0.231	20.97	22.20	1.327	0.307	/
			SA		15	520000	2600	50	0	0.02	0.225	20.99	22.20	1.321	0.297	/
Hotspot																
Ant.3	Level5&6	DFT-s-OFDM	SA	Front Side	10	519000	2595	1	1	0.00	0.186	18.93	18.10	0.826	0.154	/
			SA		10	519000	2595	50	0	-0.03	0.181	18.95	18.10	0.822	0.149	/
			SA	Back Side	10	519000	2595	1	1	-0.09	0.302	18.93	18.10	0.826	0.249	/
			SA		10	519000	2595	50	0	0.06	0.295	18.95	18.10	0.822	0.243	/
		BPSK	SA	Right Edge	10	516000	2580	1	1	-0.06	0.444	18.93	18.10	0.826	0.367	/
			SA		10	519000	2595	50	0	-0.13	0.367	18.95	18.10	0.822	0.302	/
			SA	Top Edge	10	519000	2595	1	1	-0.10	0.038	18.93	18.10	0.826	0.031	/
			SA		10	519000	2595	50	0	0.10	0.027	18.95	18.10	0.822	0.022	/
Ant.4	Level5&6	DFT-s-OFDM	SA	Front Side	10	520000	2600	1	1	-0.08	0.302	20.97	22.20	1.327	0.401	/
			SA		10	520000	2600	50	0	-0.13	0.295	20.99	22.20	1.321	0.390	/
			SA	Back Side	10	520000	2600	1	1	-0.04	0.336	20.97	22.20	1.327	0.446	/
			SA		10	520000	2600	50	0	0.00	0.325	20.99	22.20	1.321	0.429	/
		BPSK	SA	Left Edge	10	520000	2600	1	1	-0.15	0.121	20.97	22.20	1.327	0.161	/
			SA		10	520000	2600	50	0	-0.17	0.113	20.99	22.20	1.321	0.149	/
			SA	Bottom Edge	10	520000	2600	1	1	0.08	0.605	20.97	22.20	1.327	0.803	/
			SA		10	518000	2590	1	1	0.13	0.595	20.85	22.20	1.365	0.812	/
			SA		10	519000	2595	1	1	0.06	0.631	20.95	22.20	1.334	0.841	49#
			SA		10	520000	2600	50	0	-0.17	0.622	20.99	22.20	1.321	0.822	/
			SA		10	518000	2590	50	0	0.08	0.531	20.97	22.20	1.327	0.705	/
			SA		10	519000	2595	50	0	-0.06	0.512	20.89	22.20	1.352	0.692	/
SA	10	520000	2595	100	0	0.14	0.506	20.89	22.20	1.352	0.684	/				

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

10.20 NR n41 (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq (MHz)	RB Num	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.3	Level1	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	1	-0.15	0.201	15.84	16.60	1.191	0.239	/
			SA		0	518598	2592.99	135	0	0.08	0.195	15.72	16.60	1.225	0.239	/
			SA	Left Tilt	0	518598	2592.99	1	1	0.09	0.131	15.84	16.60	1.191	0.156	/
			SA		0	518598	2592.99	135	0	0.14	0.126	15.72	16.60	1.225	0.154	/
			SA		0	518598	2592.99	1	1	0.03	0.863	15.84	16.60	1.191	1.028	50#
			SA		0	509202	2546.01	1	1	0.10	0.783	15.81	16.60	1.199	0.939	/
			SA		0	513900	2569.5	1	1	-0.04	0.794	15.81	16.60	1.199	0.952	/
			SA		0	523302	2616.51	1	1	-0.04	0.768	15.70	16.60	1.230	0.945	/
			SA		0	528000	2640	1	1	0.12	0.771	15.76	16.60	1.213	0.936	/
			SA		0	518598	2592.99	135	0	0.13	0.743	15.72	16.60	1.225	0.910	/
			SA		0	509202	2546.01	135	0	0.01	0.704	15.63	16.60	1.250	0.880	/
			SA		0	513900	2569.5	135	0	-0.09	0.765	15.56	16.60	1.271	0.972	/
			SA		0	523302	2616.51	135	0	0.04	0.763	15.69	16.60	1.233	0.941	/
			SA		0	528000	2640	135	0	0.14	0.765	15.61	16.60	1.256	0.961	/
			SA		0	518598	2592.99	270	0	0.15	0.740	15.68	16.60	1.236	0.915	/
			SA	Right Tilt	0	518598	2592.99	1	1	0.07	0.381	15.84	16.60	1.191	0.454	/
			SA		0	518598	2592.99	135	0	0.17	0.374	15.72	16.60	1.225	0.458	/
Ant.3	Level2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	1	0.14	0.182	15.37	16.10	1.183	0.215	/
			SA		0	518598	2592.99	135	0	0.08	0.171	15.39	16.10	1.178	0.201	/
			SA	Left Tilt	0	518598	2592.99	1	1	0.01	0.125	15.37	16.10	1.183	0.148	/
			SA		0	518598	2592.99	135	0	0.03	0.118	15.39	16.10	1.178	0.139	/
			SA		0	518598	2592.99	1	1	-0.19	0.761	15.37	16.10	1.183	0.900	/
			SA		0	509202	2546.01	1	1	-0.12	0.755	15.29	16.10	1.205	0.910	/
			SA		0	513900	2569.5	1	1	0.02	0.703	15.28	16.10	1.208	0.849	/
			SA		0	523302	2616.51	1	1	-0.04	0.684	15.32	16.10	1.197	0.819	/
			SA		0	528000	2640	1	1	0.13	0.721	15.31	16.10	1.199	0.865	/
			SA		0	518598	2592.99	135	0	-0.16	0.734	15.39	16.10	1.178	0.864	/
			SA		0	509202	2546.01	135	0	0.06	0.723	15.26	16.10	1.213	0.877	/
			SA		0	513900	2569.5	135	0	0.09	0.672	15.12	16.10	1.253	0.842	/
			SA		0	523302	2616.51	135	0	-0.11	0.690	15.36	16.10	1.186	0.818	/
			SA		0	528000	2640	135	0	-0.07	0.686	15.28	16.10	1.208	0.829	/
			SA		0	518598	2592.99	270	0	0.11	0.502	15.28	16.10	1.208	0.606	/
			SA	Right Tilt	0	518598	2592.99	1	1	-0.13	0.323	15.37	16.10	1.183	0.382	/

			SA		0	518598	2592.99	135	0	0.10	0.295	15.39	16.10	1.178	0.347	/
Ant.4	Level1&2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	1	0.18	0.139	23.88	24.70	1.208	0.168	/
			SA		0	518598	2592.99	135	0	0.16	0.122	23.91	24.70	1.199	0.146	/
			SA		Left Tilt	0	518598	2592.99	1	1	0.08	0.098	23.88	24.70	1.208	0.118
			SA	0		518598	2592.99	135	0	-0.13	0.095	23.91	24.70	1.199	0.114	/
			SA	Right Cheek	0	518598	2592.99	1	1	0.02	0.261	23.88	24.70	1.208	0.315	/
			SA		0	518598	2592.99	135	0	-0.14	0.223	23.91	24.70	1.199	0.267	/
			SA	Right Tilt	0	518598	2592.99	1	1	0.16	0.053	23.88	24.70	1.208	0.064	/
			SA		0	518598	2592.99	135	0	-0.04	0.059	23.91	24.70	1.199	0.071	/
			Body-worn Accessory													
Ant.3	Level4	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	1	-0.17	0.231	19.89	20.60	1.178	0.272	/
			SA		15	518598	2592.99	50	0	-0.11	0.242	19.89	20.60	1.178	0.285	/
			SA	Back Side	15	518598	2592.99	1	1	0.01	0.323	19.89	20.60	1.178	0.380	/
			SA		15	518598	2592.99	50	0	-0.16	0.346	19.89	20.60	1.178	0.407	51#
Ant.3	Level5&6	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	1	0.10	0.162	18.35	19.10	1.189	0.193	/
			SA		15	518598	2592.99	50	0	0.08	0.166	18.32	19.10	1.197	0.199	/
			SA	Back Side	15	518598	2592.99	1	1	-0.08	0.241	18.35	19.10	1.189	0.286	/
			SA		15	518598	2592.99	50	0	-0.16	0.235	18.32	19.10	1.197	0.281	/
Ant.4	Level4&5&6	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	1	0.16	0.202	21.70	22.20	1.122	0.227	/
			SA		15	518598	2592.99	50	0	0.17	0.196	21.88	22.20	1.076	0.211	/
			SA	Back Side	15	518598	2592.99	1	1	-0.01	0.231	21.70	22.20	1.122	0.259	/
			SA		15	518598	2592.99	50	0	-0.17	0.224	21.88	22.20	1.076	0.241	/
Hotspot																
Ant.3	Level5&6	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	1	0.11	0.231	19.89	19.10	0.834	0.193	/
			SA		10	518598	2592.99	135	0	-0.16	0.226	19.89	19.10	0.834	0.188	/
			SA	Back Side	10	518598	2592.99	1	1	-0.19	0.363	19.89	19.10	0.834	0.303	/
			SA		10	518598	2592.99	135	0	0.18	0.354	19.89	19.10	0.834	0.295	/
			SA	Right Edge	10	518598	2592.99	1	1	0.03	0.512	19.89	19.10	0.834	0.427	/
			SA		10	518598	2592.99	135	0	-0.06	0.485	19.89	19.10	0.834	0.404	/
			SA	Top Edge	10	518598	2592.99	1	1	-0.14	0.052	19.89	19.10	0.834	0.043	/
			SA		10	518598	2592.99	135	0	0.07	0.051	19.89	19.10	0.834	0.043	/
Ant.4	Level5&6	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	1	0.01	0.321	21.70	22.20	1.122	0.360	/
			SA		10	518598	2592.99	135	0	-0.02	0.312	21.88	22.20	1.076	0.336	/
			SA	Back Side	10	518598	2592.99	1	1	-0.11	0.343	21.70	22.20	1.122	0.385	/
			SA		10	518598	2592.99	135	0	0.12	0.331	21.88	22.20	1.076	0.356	/
			SA	Left Edge	10	518598	2592.99	1	1	0.11	0.115	21.70	22.20	1.122	0.129	/
			SA		10	518598	2592.99	135	0	0.19	0.109	21.88	22.20	1.076	0.117	/
			SA	Bottom	10	518598	2592.99	1	1	0.04	0.598	21.70	22.20	1.122	0.671	52#
			SA		Edge	10	518598	2592.99	135	0	-0.15	0.585	21.88	22.20	1.076	0.630
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.21 WIFI 2.4GHZ

Ant.enna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.6	Level1	802.11 b	Left Cheek	0	6	2437	0.05	0.452	99.46	1.005	16.41	16.50	1.021	0.464	/
			Left Tilt	0	6	2437	-0.01	0.131	99.46	1.005	16.41	16.50	1.021	0.134	/
			Right Cheek	0	6	2437	0.10	0.195	99.46	1.005	16.41	16.50	1.021	0.200	/
			Right Tilt	0	6	2437	-0.12	0.072	99.46	1.005	16.41	16.50	1.021	0.074	/
Ant.6	Level2&3	802.11 b	Left Cheek	0	6	2437	0.14	0.211	99.46	1.005	12.35	13.00	1.161	0.246	/
			Left Tilt	0	6	2437	0.18	0.062	99.46	1.005	12.35	13.00	1.161	0.072	/
			Right Cheek	0	6	2437	0.09	0.085	99.46	1.005	12.35	13.00	1.161	0.099	/
			Right Tilt	0	6	2437	-0.12	0.031	99.46	1.005	12.35	13.00	1.161	0.036	/
Ant.9	Level1	802.11 b	Left Cheek	0	6	2437	-0.15	0.288	99.46	1.005	15.02	15.50	1.117	0.323	/
			Left Tilt	0	6	2437	0.04	0.266	99.46	1.005	15.02	15.50	1.117	0.299	/
			Right Cheek	0	6	2437	0.14	0.142	99.46	1.005	15.02	15.50	1.117	0.159	/
			Right Tilt	0	6	2437	0.15	0.145	99.46	1.005	15.02	15.50	1.117	0.163	/
Ant.9	Level2&3	802.11 b	Left Cheek	0	6	2437	0.05	0.165	99.46	1.005	12.18	13.00	1.208	0.200	/
			Left Tilt	0	6	2437	0.07	0.161	99.46	1.005	12.18	13.00	1.208	0.196	/
			Right Cheek	0	6	2437	0.05	0.071	99.46	1.005	12.18	13.00	1.208	0.086	/
			Right Tilt	0	6	2437	-0.09	0.082	99.46	1.005	12.18	13.00	1.208	0.100	/
Ant.6&9	Level1	802.11 b	Left Cheek	0	6	2437	-0.12	0.788	99.46	1.005	17.73	18.50	1.194	0.946	/
				0	1	2412	0.11	0.876	99.46	1.005	17.71	18.50	1.199	1.056	53#
				0	11	2462	0.03	0.721	99.46	1.005	17.23	18.50	1.340	0.971	/
			Left Tilt	0	6	2437	0.06	0.565	99.46	1.005	17.73	18.50	1.194	0.678	/
			Right Cheek	0	6	2437	0.03	0.423	99.46	1.005	17.73	18.50	1.194	0.508	/
			Right Tilt	0	6	2437	0.15	0.423	99.46	1.005	17.73	18.50	1.194	0.508	/
Ant.6&9	Level2&3	802.11 b	Left Cheek	0	6	2437	0.06	0.443	99.46	1.005	15.28	16.00	1.180	0.526	/
			Left Tilt	0	6	2437	0.09	0.306	99.46	1.005	15.28	16.00	1.180	0.363	/
			Right Cheek	0	6	2437	-0.19	0.241	99.46	1.005	15.28	16.00	1.180	0.286	/
			Right Tilt	0	6	2437	0.17	0.246	99.46	1.005	15.28	16.00	1.180	0.292	/
Body															
Ant.6	Level4	802.11 b	Front Side	15	6	2437	-0.09	0.106	99.46	1.005	18.76	19.00	1.057	0.112	/
			Back Side	15	6	2437	-0.03	0.146	99.46	1.005	18.76	19.00	1.057	0.155	/
Ant.6	Level5&6	802.11 b	Front Side	15	6	2437	0.11	0.073	99.46	1.005	17.41	17.50	1.021	0.075	/
			Back Side	15	6	2437	-0.04	0.125	99.46	1.005	17.41	17.50	1.021	0.128	/
Ant.9	Level4	802.11 b	Front Side	15	6	2437	-0.16	0.053	99.46	1.005	18.23	19.00	1.194	0.063	/
			Back Side	15	6	2437	0.13	0.080	99.46	1.005	18.23	19.00	1.194	0.097	/
Ant.9	Level5&6	802.11 b	Front Side	15	6	2437	0.01	0.035	99.46	1.005	17.04	17.50	1.112	0.039	/
			Back Side	15	6	2437	0.09	0.054	99.46	1.005	17.04	17.50	1.112	0.060	/
Ant.6&9	Level4	802.11 b	Front Side	15	6	2437	-0.03	0.132	99.46	1.005	21.51	22.00	1.119	0.149	/

			Back Side	15	6	2437	-0.07	0.160	99.46	1.005	21.51	22.00	1.119	0.180	54#
Ant.6&9	Level5&6	802.11 b	Front Side	15	6	2437	-0.15	0.092	99.46	1.005	20.24	20.50	1.062	0.098	/
			Back Side	15	6	2437	0.17	0.111	99.46	1.005	20.24	20.50	1.062	0.118	/
Hotspot															
Ant.6	Level4	802.11 b	Front Side	10	6	2437	-0.07	0.145	99.46	1.005	18.76	19.00	1.057	0.154	/
			Back Side	10	6	2437	0.01	0.301	99.46	1.005	18.76	19.00	1.057	0.320	/
			Left Edge	10	6	2437	0.01	0.395	99.46	1.005	18.76	19.00	1.057	0.420	/
			Top Edge	10	6	2437	0.10	0.043	99.46	1.005	18.76	19.00	1.057	0.046	/
Ant.6	Level5&6	802.11 b	Front Side	10	6	2437	0.15	0.106	99.46	1.005	17.41	17.50	1.021	0.109	/
			Back Side	10	6	2437	0.07	0.223	99.46	1.005	17.41	17.50	1.021	0.229	/
			Left Edge	10	6	2437	-0.08	0.292	99.46	1.005	17.41	17.50	1.021	0.300	/
			Top Edge	10	6	2437	-0.18	0.031	99.46	1.005	17.41	17.50	1.021	0.032	/
Ant.9	Level4	802.11 b	Front Side	10	6	2437	0.17	0.110	99.46	1.005	18.23	19.00	1.194	0.132	/
			Back Side	10	6	2437	-0.19	0.232	99.46	1.005	18.23	19.00	1.194	0.279	/
			Left Edge	10	6	2437	0.08	0.169	99.46	1.005	18.23	19.00	1.194	0.203	/
			Top Edge	10	6	2437	0.08	0.264	99.46	1.005	18.23	19.00	1.194	0.317	/
Ant.9	Level5&6	802.11 b	Front Side	10	6	2437	-0.13	0.081	99.46	1.005	17.04	17.50	1.112	0.091	/
			Back Side	10	6	2437	-0.11	0.171	99.46	1.005	17.04	17.50	1.112	0.191	/
			Left Edge	10	6	2437	0.05	0.123	99.46	1.005	17.04	17.50	1.112	0.137	/
			Top Edge	10	6	2437	0.10	0.192	99.46	1.005	17.04	17.50	1.112	0.215	/
Ant.6&9	Level4	802.11 b	Front Side	10	6	2437	0.19	0.230	99.46	1.005	21.51	22.00	1.119	0.259	/
			Back Side	10	6	2437	0.04	0.518	99.46	1.005	21.51	22.00	1.119	0.583	/
			Left Edge	10	6	2437	-0.12	0.530	99.46	1.005	21.51	22.00	1.119	0.597	55#
			Top Edge	10	6	2437	-0.06	0.163	99.46	1.005	21.51	22.00	1.119	0.183	/
Ant.6&9	Level5&6	802.11 b	Front Side	10	6	2437	-0.06	0.171	99.46	1.005	20.24	20.50	1.062	0.183	/
			Back Side	10	6	2437	0.00	0.423	99.46	1.005	20.24	20.50	1.062	0.452	/
			Left Edge	10	6	2437	0.05	0.445	99.46	1.005	20.24	20.50	1.062	0.475	/
			Top Edge	10	6	2437	0.15	0.121	99.46	1.005	20.24	20.50	1.062	0.129	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.22 WIFI 5GHz

Ant.enna	Power Reducti on	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.8	Level1	5.3G 802.11ac80	Left Cheek	0	58	5290	-0.14	0.394	85.43	1.171	13.82	14.00	1.042	0.481	/
			Left Tilt	0	58	5290	-0.09	0.411	85.43	1.171	13.82	14.00	1.042	0.501	/
			Right Cheek	0	58	5290	-0.07	0.215	85.43	1.171	13.82	14.00	1.042	0.262	/
			Right Tilt	0	58	5290	-0.07	0.230	85.43	1.171	13.82	14.00	1.042	0.281	/
Ant.8	Level2&3		Left Cheek	0	58	5290	-0.05	0.121	85.43	1.171	8.76	9.00	1.057	0.150	/
			Left Tilt	0	58	5290	0.10	0.135	85.43	1.171	8.76	9.00	1.057	0.167	/

		5.3G 802.11ac8 0	Right Cheek	0	58	5290	-0.13	0.069	85.43	1.171	8.76	9.00	1.057	0.085	/
			Right Tilt	0	58	5290	-0.13	0.071	85.43	1.171	8.76	9.00	1.057	0.088	/
Ant.11	Level1	5.3G 802.11ac8 0	Left Cheek	0	58	5290	-0.09	0.482	85.43	1.171	13.28	14.00	1.180	0.666	/
			Left Tilt	0	58	5290	0.19	0.098	85.43	1.171	13.28	14.00	1.180	0.135	/
			Right Cheek	0	58	5290	-0.18	0.129	85.43	1.171	13.28	14.00	1.180	0.178	/
			Right Tilt	0	58	5290	0.00	0.056	85.43	1.171	13.28	14.00	1.180	0.077	/
Ant.11	Level2& 3	5.3G 802.11ac8 0	Left Cheek	0	58	5290	0.09	0.141	85.43	1.171	8.05	9.00	1.245	0.205	/
			Left Tilt	0	58	5290	0.08	0.030	85.43	1.171	8.05	9.00	1.245	0.044	/
			Right Cheek	0	58	5290	-0.02	0.038	85.43	1.171	8.05	9.00	1.245	0.055	/
			Right Tilt	0	58	5290	-0.17	0.017	85.43	1.171	8.05	9.00	1.245	0.025	/
Ant.8&11	Level1	5.3G 802.11ac8 0	Left Cheek	0	58	5290	-0.13	0.617	85.43	1.171	15.55	16.00	1.109	0.801	56#
			Left Tilt	0	58	5290	0.07	0.428	85.43	1.171	15.55	16.00	1.109	0.556	/
			Right Cheek	0	58	5290	0.14	0.208	85.43	1.171	15.55	16.00	1.109	0.270	/
			Right Tilt	0	58	5290	-0.10	0.241	85.43	1.171	15.55	16.00	1.109	0.313	/
Ant.8&11	Level2& 3	5.3G 802.11ac8 0	Left Cheek	0	58	5290	0.03	0.233	85.43	1.171	11.43	12.00	1.140	0.311	/
			Left Tilt	0	58	5290	0.19	0.182	85.43	1.171	11.43	12.00	1.140	0.243	/
			Right Cheek	0	58	5290	0.16	0.081	85.43	1.171	11.43	12.00	1.140	0.108	/
			Right Tilt	0	58	5290	0.08	0.094	85.43	1.171	11.43	12.00	1.140	0.125	/
Ant.8	Level1	5.6G 802.11ac8 0	Left Cheek	0	122	5610	-0.14	0.271	85.43	1.171	13.74	14.00	1.062	0.337	/
			Left Tilt	0	122	5610	0.12	0.277	85.43	1.171	13.74	14.00	1.062	0.344	/
			Right Cheek	0	122	5610	-0.05	0.140	85.43	1.171	13.74	14.00	1.062	0.174	/
			Right Tilt	0	122	5610	0.15	0.135	85.43	1.171	13.74	14.00	1.062	0.168	/
Ant.8	Level2& 3	5.6G 802.11ac8 0	Left Cheek	0	122	5610	-0.06	0.083	85.43	1.171	8.48	9.00	1.127	0.110	/
			Left Tilt	0	122	5610	-0.19	0.085	85.43	1.171	8.48	9.00	1.127	0.112	/
			Right Cheek	0	122	5610	0.17	0.042	85.43	1.171	8.48	9.00	1.127	0.055	/
			Right Tilt	0	122	5610	0.02	0.041	85.43	1.171	8.48	9.00	1.127	0.054	/
Ant.11	Level1	5.6G 802.11ac8 0	Left Cheek	0	122	5610	-0.17	0.479	85.43	1.171	13.71	14.00	1.069	0.599	/
			Left Tilt	0	122	5610	0.01	0.122	85.43	1.171	13.71	14.00	1.069	0.153	/
			Right Cheek	0	122	5610	0.06	0.132	85.43	1.171	13.71	14.00	1.069	0.165	/
			Right Tilt	0	122	5610	0.00	0.073	85.43	1.171	13.71	14.00	1.069	0.091	/
Ant.11	Level2& 3	5.6G 802.11ac8 0	Left Cheek	0	106	5530	-0.07	0.148	85.43	1.171	8.43	9.00	1.140	0.198	/
			Left Tilt	0	106	5530	-0.10	0.037	85.43	1.171	8.43	9.00	1.140	0.049	/
			Right Cheek	0	106	5530	0.19	0.041	85.43	1.171	8.43	9.00	1.140	0.055	/
			Right Tilt	0	106	5530	0.13	0.025	85.43	1.171	8.43	9.00	1.140	0.033	/
Ant.8&11	Level1	5.6G 802.11ac8 0	Left Cheek	0	122	5610	-0.11	0.681	85.43	1.171	15.78	16.00	1.052	0.839	57#
				0	106	5530	-0.11	0.654	85.43	1.171	15.62	16.00	1.091	0.836	/
			Left Tilt	0	122	5610	-0.16	0.411	85.43	1.171	15.78	16.00	1.052	0.506	/
			Right Cheek	0	122	5610	-0.08	0.232	85.43	1.171	15.78	16.00	1.052	0.286	/
			Right Tilt	0	122	5610	0.01	0.211	85.43	1.171	15.78	16.00	1.052	0.260	/
Ant.8&11	Level2& 3	5.6G 802.11ac8 0	Left Cheek	0	106	5530	0.12	0.275	85.43	1.171	11.47	12.00	1.130	0.364	/
			Left Tilt	0	106	5530	0.00	0.165	85.43	1.171	11.47	12.00	1.130	0.218	/
			Right Cheek	0	106	5530	-0.12	0.091	85.43	1.171	11.47	12.00	1.130	0.120	/

			Right Tilt	0	106	5530	0.01	0.082	85.43	1.171	11.47	12.00	1.130	0.108	/
Ant.8	Level1	5.8G 802.11n40	Left Cheek	0	151	5755	0.11	0.218	93.50	1.070	12.13	13.00	1.222	0.285	/
			Left Tilt	0	151	5755	-0.12	0.215	93.50	1.070	12.13	13.00	1.222	0.281	/
			Right Cheek	0	151	5755	0.15	0.102	93.50	1.070	12.13	13.00	1.222	0.133	/
			Right Tilt	0	151	5755	0.05	0.100	93.50	1.070	12.13	13.00	1.222	0.131	/
Ant.8	Level2& 3	5.8G 802.11n40	Left Cheek	0	151	5755	-0.12	0.075	93.50	1.070	7.63	8.50	1.222	0.098	/
			Left Tilt	0	151	5755	0.03	0.073	93.50	1.070	7.63	8.50	1.222	0.095	/
			Right Cheek	0	151	5755	0.15	0.032	93.50	1.070	7.63	8.50	1.222	0.042	/
			Right Tilt	0	151	5755	-0.17	0.031	93.50	1.070	7.63	8.50	1.222	0.041	/
Ant.11	Level1	5.8G 802.11n40	Left Cheek	0	159	5795	0.19	0.322	93.50	1.070	12.05	13.00	1.245	0.429	/
			Left Tilt	0	159	5795	-0.09	0.085	93.50	1.070	12.05	13.00	1.245	0.113	/
			Right Cheek	0	159	5795	-0.06	0.093	93.50	1.070	12.05	13.00	1.245	0.124	/
			Right Tilt	0	159	5795	0.13	0.047	93.50	1.070	12.05	13.00	1.245	0.063	/
Ant.11	Level2& 3	5.8G 802.11n40	Left Cheek	0	159	5795	0.10	0.112	93.50	1.070	7.48	8.50	1.265	0.151	/
			Left Tilt	0	159	5795	-0.11	0.033	93.50	1.070	7.48	8.50	1.265	0.045	/
			Right Cheek	0	159	5795	0.16	0.031	93.50	1.070	7.48	8.50	1.265	0.042	/
			Right Tilt	0	159	5795	0.10	0.015	93.50	1.070	7.48	8.50	1.265	0.020	/
Ant.8&11	Level1	5.8G 802.11n40	Left Cheek	0	159	5795	0.08	0.498	93.50	1.070	14.10	15.00	1.230	0.655	58#
			Left Tilt	0	159	5795	0.01	0.362	93.50	1.070	14.10	15.00	1.230	0.476	/
			Right Cheek	0	159	5795	0.15	0.220	93.50	1.070	14.10	15.00	1.230	0.289	/
			Right Tilt	0	159	5795	0.11	0.195	93.50	1.070	14.10	15.00	1.230	0.257	/
Ant.8&11	Level2& 3	5.8G 802.11n40	Left Cheek	0	159	5795	-0.08	0.216	93.50	1.070	10.53	11.50	1.250	0.289	/
			Left Tilt	0	159	5795	-0.15	0.155	93.50	1.070	10.53	11.50	1.250	0.207	/
			Right Cheek	0	159	5795	0.00	0.100	93.50	1.070	10.53	11.50	1.250	0.134	/
			Right Tilt	0	159	5795	0.07	0.092	93.50	1.070	10.53	11.50	1.250	0.123	/
Body-worn															
Ant.8	Level4& 5&6	5.3G 802.11ac8 0	Front Side	15	58	5290	0.06	0.041	85.43	1.171	14.23	15.00	1.194	0.057	/
			Back Side	15	58	5290	-0.14	0.130	85.43	1.171	14.23	15.00	1.194	0.182	/
Ant.11	Level4& 5&6	5.3G 802.11ac8 0	Front Side	15	58	5290	0.03	0.075	85.43	1.171	14.39	15.00	1.151	0.101	/
			Back Side	15	58	5290	-0.05	0.073	85.43	1.171	14.39	15.00	1.151	0.098	/
Ant.8&11	Level4& 5&6	5.3G 802.11ac8 0	Front Side	15	58	5290	-0.06	0.103	85.43	1.171	17.75	18.00	1.059	0.128	/
			Back Side	15	58	5290	-0.07	0.151	85.43	1.171	17.75	18.00	1.059	0.187	59#
Ant.8	Level4& 5&6	5.6G 802.11ac8 0	Front Side	15	122	5610	0.06	0.043	85.43	1.171	14.73	15.00	1.064	0.054	/
			Back Side	15	122	5610	0.18	0.137	85.43	1.171	14.73	15.00	1.064	0.171	/
Ant.11	Level4& 5&6	5.6G 802.11ac8 0	Front Side	15	122	5610	-0.19	0.094	85.43	1.171	14.64	15.00	1.086	0.120	/
			Back Side	15	122	5610	-0.14	0.143	85.43	1.171	14.64	15.00	1.086	0.182	/
Ant.8&11			Front Side	15	122	5610	-0.19	0.098	85.43	1.171	17.70	18.00	1.072	0.123	/

	Level4&5&6	5.6G 802.11ac80	Back Side	15	122	5610	0.19	0.212	85.43	1.171	17.70	18.00	1.072	0.266	60#
Ant.8	Level4	5.8G 802.11n40	Front Side	15	151	5755	0.04	0.098	93.50	1.070	18.71	19.50	1.199	0.126	/
			Back Side	15	151	5755	0.12	0.238	93.50	1.070	18.71	19.50	1.199	0.305	/
Ant.8	Level5&6	5.8G 802.11n40	Front Side	15	151	5755	0.00	0.051	93.50	1.070	16.33	17.00	1.167	0.064	/
			Back Side	15	151	5755	-0.16	0.141	93.50	1.070	16.33	17.00	1.167	0.176	/
Ant.11	Level4	5.8G 802.11n40	Front Side	15	151	5755	0.15	0.229	93.50	1.070	18.52	19.50	1.253	0.307	/
			Back Side	15	151	5755	-0.14	0.370	93.50	1.070	18.52	19.50	1.253	0.496	/
Ant.11	Level5&6	5.8G 802.11n40	Front Side	15	151	5755	0.12	0.116	93.50	1.070	15.79	17.00	1.321	0.164	/
			Back Side	15	151	5755	0.08	0.212	93.50	1.070	15.79	17.00	1.321	0.300	/
Ant.8&11	Level4	5.8G 802.11n40	Front Side	15	151	5755	-0.02	0.282	93.50	1.070	21.63	22.50	1.222	0.369	/
			Back Side	15	151	5755	-0.09	0.599	93.50	1.070	21.63	22.50	1.222	0.783	61#
Ant.8&11	Level5&6	5.8G 802.11n40	Front Side	15	151	5755	-0.17	0.163	93.50	1.070	19.06	20.00	1.242	0.216	/
			Back Side	15	151	5755	0.06	0.331	93.50	1.070	19.06	20.00	1.242	0.440	/
Hotspot															
Ant.8	Level4&5&6	5.2G 802.11n40	Front Side	10	38	5190	0.09	0.092	93.50	1.070	14.28	15.00	1.180	0.117	/
		5.2G 802.11n40	Back Side	10	38	5190	-0.13	0.194	93.50	1.070	14.28	15.00	1.180	0.245	/
		5.2G 802.11n40	Left Edge	10	38	5190	0.02	0.102	93.50	1.070	14.28	15.00	1.180	0.129	/
		5.2G 802.11n40	Top Edge	10	38	5190	0.05	0.106	93.50	1.070	14.28	15.00	1.180	0.134	/
Ant.11	Level4&5&6	5.2G 802.11ac80	Front Side	10	42	5210	0.11	0.128	85.43	1.171	14.84	15.00	1.038	0.155	/
		5.2G 802.11ac80	Back Side	10	42	5210	-0.04	0.061	85.43	1.171	14.84	15.00	1.038	0.074	/
		5.2G 802.11ac80	Left Edge	10	42	5210	-0.16	0.076	85.43	1.171	14.84	15.00	1.038	0.092	/
Ant.8&11	Level4&5&6	5.2G 802.11n40	Front Side	10	38	5190	0.04	0.131	93.50	1.070	17.46	18.00	1.132	0.159	/
		5.2G 802.11n40	Back Side	10	38	5190	-0.03	0.212	93.50	1.070	17.46	18.00	1.132	0.257	/
		5.2G 802.11n40	Left Edge	10	38	5190	-0.16	0.236	93.50	1.070	17.46	18.00	1.132	0.286	62#
		5.2G 802.11n40	Top Edge	10	38	5190	-0.14	0.192	93.50	1.070	17.46	18.00	1.132	0.233	/
Ant.8	Level4	5.8G 802.11n40	Front Side	10	151	5755	0.07	0.159	93.50	1.070	18.71	19.50	1.199	0.204	/

		5.8G 802.11n40	Back Side	10	151	5755	0.08	0.323	93.50	1.070	18.71	19.50	1.199	0.414	/
		5.8G 802.11n40	Left Edge	10	151	5755	-0.08	0.269	93.50	1.070	18.71	19.50	1.199	0.345	/
		5.8G 802.11n40	Top Edge	10	151	5755	0.14	0.180	93.50	1.070	18.71	19.50	1.199	0.231	/
Ant.8	Level5&6	5.8G 802.11n40	Front Side	10	151	5755	0.14	0.087	93.50	1.070	16.33	17.00	1.167	0.109	/
		5.8G 802.11n40	Back Side	10	151	5755	-0.13	0.174	93.50	1.070	16.33	17.00	1.167	0.217	/
		5.8G 802.11n40	Left Edge	10	151	5755	-0.03	0.162	93.50	1.070	16.33	17.00	1.167	0.202	/
		5.8G 802.11n40	Top Edge	10	151	5755	-0.19	0.097	93.50	1.070	16.33	17.00	1.167	0.121	/
Ant.11	Level4	5.8G 802.11n40	Front Side	10	151	5755	0.17	0.286	93.50	1.070	18.52	19.50	1.253	0.383	/
		5.8G 802.11n40	Back Side	10	151	5755	-0.05	0.462	93.50	1.070	18.52	19.50	1.253	0.619	/
		5.8G 802.11n40	Left Edge	10	151	5755	0.12	0.413	93.50	1.070	18.52	19.50	1.253	0.554	/
Ant.11	Level5&6	5.8G 802.11n40	Front Side	10	151	5755	0.01	0.164	93.50	1.070	15.79	17.00	1.321	0.232	/
		5.8G 802.11n40	Back Side	10	151	5755	-0.10	0.261	93.50	1.070	15.79	17.00	1.321	0.369	/
		5.8G 802.11n40	Left Edge	10	151	5755	0.15	0.243	93.50	1.070	15.79	17.00	1.321	0.343	/
Ant.8&11	Level4	5.8G 802.11n40	Front Side	10	151	5755	-0.14	0.498	93.50	1.070	21.63	22.50	1.222	0.651	/
		5.8G 802.11n40	Back Side	10	151	5755	0.06	0.756	93.50	1.070	21.63	22.50	1.222	0.988	63#
		5.8G 802.11n40		10	159	5795	0.03	0.728	93.50	1.070	21.50	22.50	1.259	0.980	/
		5.8G 802.11n40	Left Edge	10	151	5755	0.08	0.670	93.50	1.070	21.63	22.50	1.222	0.876	/
		5.8G 802.11n40		10	159	5795	-0.11	0.656	93.50	1.070	21.50	22.50	1.259	0.883	/
		5.8G 802.11n40	Top Edge	10	151	5755	-0.12	0.312	93.50	1.070	21.63	22.50	1.222	0.408	/
Ant.8&11	Level5&6	5.8G 802.11n40	Front Side	10	151	5755	-0.15	0.192	93.50	1.070	19.06	20.00	1.242	0.255	/
		5.8G 802.11n40	Back Side	10	151	5755	0.15	0.384	93.50	1.070	19.06	20.00	1.242	0.510	/
		5.8G 802.11n40	Left Edge	10	151	5755	0.00	0.323	93.50	1.070	19.06	20.00	1.242	0.429	/

		5.8G 802.11n40	Top Edge	10	151	5755	0.17	0.141	93.50	1.070	19.06	20.00	1.242	0.187	/
Ant.enna	Power Reducti on	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	10 g Meas SAR(W/ kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power(d Bm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.8	Level4& 5&6	5.3G 802.11ac8 0	Front Side	0	58	5290	-0.01	0.558	85.43	1.171	14.23	15.00	1.194	0.780	/
		5.3G 802.11ac8 0	Back Side	0	58	5290	0.03	0.387	85.43	1.171	14.23	15.00	1.194	0.541	/
		5.3G 802.11ac8 0	Left Edge	0	58	5290	-0.19	0.434	85.43	1.171	14.23	15.00	1.194	0.607	/
		5.3G 802.11ac8 0	Top Edge	0	58	5290	-0.10	0.758	85.43	1.171	14.23	15.00	1.194	1.059	/
Ant.11	Level4& 5&6	5.3G 802.11ac8 0	Front Side	0	58	5290	0.04	0.371	85.43	1.171	14.39	15.00	1.151	0.500	/
		5.3G 802.11ac8 0	Back Side	0	58	5290	0.16	0.249	85.43	1.171	14.39	15.00	1.151	0.335	/
		5.3G 802.11ac8 0	Left Edge	0	58	5290	0.11	0.464	85.43	1.171	14.39	15.00	1.151	0.625	/
Ant.8&11	Level4& 5&6	5.3G 802.11ac8 0	Front Side	0	58	5290	0.12	0.595	85.43	1.171	17.75	18.00	1.059	0.738	/
		5.3G 802.11ac8 0	Back Side	0	58	5290	0.16	0.527	85.43	1.171	17.75	18.00	1.059	0.653	/
		5.3G 802.11ac8 0	Left Edge	0	58	5290	0.07	0.806	85.43	1.171	17.75	18.00	1.059	0.999	/
		5.3G 802.11ac8 0	Top Edge	0	58	5290	0.11	0.881	85.43	1.171	17.75	18.00	1.059	1.092	64#
Ant.8	Level4& 5&6	5.3G 802.11ac8 0	Front Side	0	122	5610	-0.14	0.389	85.43	1.171	14.73	15.00	1.064	0.485	/

		5.3G 802.11ac8 0	Back Side	0	122	5610	0.03	0.282	85.43	1.171	14.73	15.00	1.064	0.351	/
		5.3G 802.11ac8 0	Left Edge	0	122	5610	-0.09	0.261	85.43	1.171	14.73	15.00	1.064	0.325	/
		5.3G 802.11ac8 0	Top Edge	0	122	5610	-0.04	0.550	85.43	1.171	14.73	15.00	1.064	0.685	/
Ant.11	Level4& 5&6	5.3G 802.11ac8 0	Front Side	0	122	5610	0.15	0.447	85.43	1.171	14.64	15.00	1.086	0.568	/
		5.3G 802.11ac8 0	Back Side	0	122	5610	-0.13	0.284	85.43	1.171	14.64	15.00	1.086	0.361	/
		5.3G 802.11ac8 0	Left Edge	0	122	5610	0.17	0.642	85.43	1.171	14.64	15.00	1.086	0.816	/
Ant.8&11	Level4 &5&6	5.3G 802.11ac8 0	Front Side	0	122	5610	0.12	0.600	85.43	1.171	17.70	18.00	1.072	0.753	/
		5.3G 802.11ac8 0	Back Side	0	122	5610	-0.12	0.551	85.43	1.171	17.70	18.00	1.072	0.691	/
		5.3G 802.11ac8 0	Left Edge	0	122	5610	0.05	0.685	85.43	1.171	17.70	18.00	1.072	0.859	65#
		5.3G 802.11ac8 0	Top Edge	0	122	5610	-0.09	0.625	85.43	1.171	17.70	18.00	1.072	0.784	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.23 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant..9	DH5	Left Cheek	0	39	2441	-0.14	0.165	76.88	1.301	13.59	15.50	1.552	0.333	66#
Ant..9	DH5	Left Tilt	0	39	2441	0.05	0.135	76.88	1.301	13.59	15.50	1.552	0.273	/
Ant..9	DH5	Right Cheek	0	39	2441	0.19	0.073	76.88	1.301	13.59	15.50	1.552	0.147	/
Ant..9	DH5	Right Tilt	0	39	2441	0.08	0.076	76.88	1.301	13.59	15.50	1.552	0.153	/
Body -worn														
Ant..9	DH5	Front Side	15	39	2441	-0.01	0.011	76.88	1.301	13.59	15.50	1.552	0.022	/
Ant..9	DH5	Back Side	15	39	2441	-0.09	0.013	76.88	1.301	13.59	15.50	1.552	0.026	67#
Hotspot														
Ant..9	DH5	Front Side	10	39	2441	-0.18	0.023	76.88	1.301	13.59	15.50	1.552	0.046	/
Ant..9	DH5	Back Side	10	39	2441	0.14	0.030	76.88	1.301	13.59	15.50	1.552	0.060	68#
Ant..9	DH5	Left Edge	10	39	2441	0.00	0.011	76.88	1.301	13.59	15.50	1.552	0.022	/
Ant..9	DH5	Top Edge	10	39	2441	-0.01	0.005	76.88	1.301	13.59	15.50	1.552	0.010	/
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 ^{1st} Measured SAR (W/kg)	Largest to Smallest SAR Ratio
850	WCDMA band 5	Head	Left Cheek	0.840	Yes	0.821	0.977
850	LTE band 5	Head	Left Cheek	0.875	Yes	0.858	0.981
850	LTE band 26	Head	Left Cheek	0.883	Yes	0.869	1.016
5250	NR n38	Head	Right Cheek	0.831	Yes	0.801	0.963
5250	NR n41	Head	Right Cheek	0.863	Yes	0.812	0.941
2500	2.4G WIFI	Head	Left Cheek	0.876	Yes	0.845	0.965

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.

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
1	WLAN 2.4GHz Ant.6 + BT Ant.9	Yes	Yes	Yes
2	WLAN 5GHz Ant.11 + BT Ant.9	Yes	Yes	Yes
3	WLAN 5GHz Ant.8 + BT Ant.9	Yes	Yes	Yes
4	WLAN 5GHz MIMO + BT Ant.9	Yes	Yes	Yes
5	WLAN 2.4GHz Ant.9 + WLAN 5GHz Ant.8	Yes	Yes	Yes
6	WWAN + WLAN 2.4GHz Ant.9	Yes	Yes	Yes
7	WWAN + WLAN 2.4GHz Ant.6	Yes	Yes	Yes
8	WWAN + WLAN 2.4GHz MIMO	Yes	Yes	Yes
9	WWAN + WLAN 5GHz Ant.11	Yes	Yes	Yes
10	WWAN + WLAN 5GHz Ant.8	Yes	Yes	Yes
11	WWAN + WLAN 5GHz MIMO	Yes	Yes	Yes
12	WWAN + BT Ant.9	Yes	Yes	Yes
13	WWAN + WLAN 2.4GHz Ant.6 + BT Ant.9	Yes	Yes	Yes
14	WWAN + WLAN 5GHz Ant.11+ BT Ant.9	Yes	Yes	Yes
15	WWAN + WLAN 5GHz Ant.8+ BT Ant.9	Yes	Yes	Yes
16	WWAN + WLAN 5GHz MIMO + BT Ant.9	Yes	Yes	Yes
17	WWAN + WLAN 2.4GHz Ant.9 + WLAN 5GHz Ant.8	Yes	Yes	Yes

Note:

1. 2G&3G&4G&5G share the same antenna and can't transmit simultaneously.
2. Two WWAN antennas can switch automatically, but up and down antenna 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)

12.3 Sum SAR of Simultaneous Transmission

12.3.1 Head Simultaneous Transmission SAR Evaluation for ENDC Mode

ED-DC Configuratioin	NR Ant.	Power Reduction	LTE Ant.	Power Reduction	Position	Stand alone SAR		
						NR Band	LTE Band	ENDC (LTE+NR)
7A+n5A	Ant.0	Level1	Ant.5	Level1	Left Cheek	0.477	0.268	0.745
		Level1		Level1	Left Tilt	0.045	0.363	0.408
		Level1		Level1	Right Cheek	0.260	0.380	0.640
		Level1		Level1	Right Tilt	0.041	0.616	0.657
7A+n5A	Ant.0	Level1	Ant.6	Level1	Left Cheek	0.477	0.611	1.088
		Level1		Level1	Left Tilt	0.045	0.214	0.259
		Level1		Level1	Right Cheek	0.260	0.402	0.662
		Level1		Level1	Right Tilt	0.041	0.106	0.147
7A+n5A	Ant. 1	Level1	Ant.5	Level1	Left Cheek	0.198	0.268	0.466
		Level1		Level1	Left Tilt	0.096	0.363	0.459
		Level1		Level1	Right Cheek	0.138	0.380	0.518
		Level1		Level1	Right Tilt	0.093	0.616	0.709
7A+n5A	Ant. 1	Level1	Ant.6	Level1	Left Cheek	0.198	0.611	0.809
		Level1		Level1	Left Tilt	0.096	0.214	0.310
		Level1		Level1	Right Cheek	0.138	0.402	0.540
		Level1		Level1	Right Tilt	0.093	0.106	0.199
5A+n7A	Ant.5	Level1	Ant.0	Level1	Left Cheek	0.244	0.636	0.880
		Level1		Level1	Left Tilt	0.349	0.075	0.424
		Level1		Level1	Right Cheek	0.349	0.335	0.684
		Level1		Level1	Right Tilt	0.570	0.052	0.622
5A+n7A	Ant.5	Level1	Ant. 1	Level1	Left Cheek	0.244	0.184	0.428
		Level1		Level1	Left Tilt	0.349	0.087	0.436
		Level1		Level1	Right Cheek	0.349	0.158	0.507
		Level1		Level1	Right Tilt	0.570	0.057	0.627
5A+n7A	Ant.6	Level1	Ant.0	Level1	Left Cheek	0.488	0.636	1.124
		Level1		Level1	Left Tilt	0.187	0.075	0.262
		Level1		Level1	Right Cheek	0.270	0.335	0.605
		Level1		Level1	Right Tilt	0.341	0.052	0.393
5A+n7A	Ant.6	Level1	Ant.1	Level1	Left Cheek	0.488	0.184	0.672
		Level1		Level1	Left Tilt	0.187	0.087	0.274
		Level1		Level1	Right Cheek	0.270	0.158	0.428
		Level1		Level1	Right Tilt	0.341	0.057	0.398
Note: 1: The highest Summed 1g SAR is 1.124 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.								

12.3.2 Body-Worn Simultaneous Transmission SAR Evaluation for ENDC Mode

ED-DC Configuratioin	NR Ant.	Power Reduction	LTE Ant.	Power Reduction	Position	Stand alone SAR		
						NR Band	LTE Band	ENDC (LTE+NR)
7A+n5A	Ant.0	Level4	Ant.5	Level4	Front Side 15mm	0.263	0.118	0.381
		Level4		Level4	Back Side 15mm	0.287	0.139	0.426
7A+n5A	Ant.0	Level4	Ant.6	Level4	Front Side 15mm	0.263	0.126	0.389
		Level4		Level4	Back Side 15mm	0.287	0.245	0.532
7A+n5A	Ant.1	Level4	Ant.5	Level4	Front Side 15mm	0.144	0.118	0.262
		Level4		Level4	Back Side 15mm	0.163	0.139	0.302
7A+n5A	Ant.1	Level4	Ant.6	Level4	Front Side 15mm	0.144	0.126	0.270
		Level4		Level4	Back Side 15mm	0.163	0.245	0.408
5A+n7A	Ant.5	Level4	Ant.0	Level4	Front Side 15mm	0.104	0.241	0.345
		Level4		Level4	Back Side 15mm	0.123	0.303	0.426
5A+n7A	Ant.5	Level4	Ant.1	Level4	Front Side 15mm	0.104	0.148	0.252
		Level4		Level4	Back Side 15mm	0.123	0.171	0.294
5A+n7A	Ant.6	Level4	Ant.0	Level4	Front Side 15mm	0.097	0.241	0.338
		Level4		Level4	Back Side 15mm	0.188	0.303	0.491
5A+n7A	Ant.6	Level4	Ant.1	Level4	Front Side 15mm	0.097	0.148	0.245
		Level4		Level4	Back Side 15mm	0.188	0.171	0.359

Note:

1: The highest Summed 1g SAR is 0.532 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

ED-DC Configuratioin	NR Ant.	Power Reduction	LTE Ant.	Power Reduction	Position	NR Band SAR	LTE Band SAR	Stand alone SAR								SUM SAR				
								1	2	3	4	5	6	7	8					
								ENDC (LTE+NR)	2.4G WIFI	2.4G WIFI	2.4G WIFI	5G WIFI Max	5G WIFI Max	5G WIFI Max	Bluetooth	WWAN+ 2.4G WIFI Ant.6 +BT Ant.8	WWAN+ 2.4G WIFI Ant.9 +5G WIFI Ant.8	WWAN+5G WIFI Ant.8+BT	WWAN+5G WIFI Ant.11+BT	WWAN+ 5G WIFI Ant.MIM O+BT
									Ant.6	Ant.9	Ant.6 &9	Ant.8	Ant.11	Ant.8 &11	Ant.9	(1+2+8)	(1+3+5)	(1+5+8)	(1+6+8)	(1+7+8)
7A+n5A	Ant.0	Level2&3	Ant.5	Level2&3	Left Cheek	0.309	0.179	0.488	0.246	0.200	0.526	0.150	0.205	0.364	0.333	1.068	0.838	0.971	1.027	1.185
		Level2&3		Level2&3	Left Tilt	0.030	0.235	0.265	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.610	0.628	0.705	0.587	0.781
		Level2&3		Level2&3	Right Cheek	0.170	0.239	0.409	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.656	0.581	0.642	0.612	0.691
		Level2&3		Level2&3	Right Tilt	0.025	0.401	0.426	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.616	0.613	0.667	0.613	0.705
7A+n5A	Ant.0	Level2&3	Ant.6	Level2&3	Left Cheek	0.309	0.389	0.698	0.246	0.200	0.526	0.150	0.205	0.364	0.333	1.278	1.048	1.181	1.237	1.395

		Level2&3		Level2&3	Left Tilt	0.030	0.133	0.163	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.508	0.526	0.603	0.485	0.679
		Level2&3		Level2&3	Right Cheek	0.170	0.264	0.434	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.681	0.606	0.667	0.637	0.716
		Level2&3		Level2&3	Right Tilt	0.025	0.070	0.095	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.285	0.282	0.336	0.282	0.374
7A+n5A	Ant.1	Level2&3	Ant.5	Level2&3	Left Cheek	0.198	0.179	0.377	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.957	0.727	0.860	0.916	1.074
		Level2&3		Level2&3	Left Tilt	0.096	0.235	0.331	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.676	0.694	0.771	0.653	0.847
		Level2&3		Level2&3	Right Cheek	0.138	0.239	0.377	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.624	0.549	0.610	0.580	0.659
		Level2&3		Level2&3	Right Tilt	0.093	0.401	0.494	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.684	0.681	0.735	0.681	0.773
7A+n5A	Ant.1	Level2&3	Ant.6	Level2&3	Left Cheek	0.198	0.389	0.587	0.246	0.200	0.526	0.150	0.205	0.364	0.333	1.167	0.937	1.070	1.126	1.284
		Level2&3		Level2&3	Left Tilt	0.096	0.133	0.229	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.574	0.592	0.669	0.551	0.745
		Level2&3		Level2&3	Right Cheek	0.138	0.264	0.402	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.649	0.574	0.635	0.605	0.684
		Level2&3		Level2&3	Right Tilt	0.093	0.070	0.163	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.353	0.350	0.404	0.350	0.442
5A+n7A	Ant.5	Level2&3	Ant.0	Level2&3	Left Cheek	0.191	0.429	0.620	0.246	0.200	0.526	0.150	0.205	0.364	0.333	1.200	0.970	1.103	1.159	1.317
		Level2&3		Level2&3	Left Tilt	0.271	0.045	0.316	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.661	0.678	0.755	0.638	0.831
		Level2&3		Level2&3	Right Cheek	0.284	0.218	0.502	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.749	0.674	0.735	0.705	0.785
		Level2&3		Level2&3	Right Tilt	0.448	0.034	0.482	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.671	0.669	0.723	0.669	0.761
5A+n7A	Ant.5	Level2&3	Ant.1	Level2&3	Left Cheek	0.191	0.184	0.375	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.955	0.725	0.858	0.914	1.072
		Level2&3		Level2&3	Left Tilt	0.271	0.087	0.358	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.703	0.720	0.797	0.680	0.873
		Level2&3		Level2&3	Right Cheek	0.284	0.158	0.442	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.689	0.614	0.675	0.645	0.725
		Level2&3		Level2&3	Right Tilt	0.448	0.057	0.505	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.694	0.692	0.746	0.692	0.784
5A+n7A	Ant.6	Level2&3	Ant.0	Level2&3	Left Cheek	0.341	0.429	0.770	0.246	0.200	0.526	0.150	0.205	0.364	0.333	1.350	1.120	1.253	1.309	1.467
		Level2&3		Level2&3	Left Tilt	0.111	0.045	0.156	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.501	0.519	0.596	0.478	0.672
		Level2&3		Level2&3	Right Cheek	0.182	0.218	0.400	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.647	0.572	0.633	0.603	0.682
		Level2&3		Level2&3	Right Tilt	0.055	0.034	0.089	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.279	0.276	0.330	0.276	0.368
5A+n7A	Ant.6	Level2&3	Ant.1	Level2&3	Left Cheek	0.341	0.184	0.525	0.246	0.200	0.526	0.150	0.205	0.364	0.333	1.105	0.875	1.008	1.064	1.222
		Level2&3		Level2&3	Left Tilt	0.111	0.087	0.198	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.543	0.561	0.638	0.520	0.714
		Level2&3		Level2&3	Right Cheek	0.182	0.158	0.340	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.587	0.512	0.573	0.543	0.622
		Level2&3		Level2&3	Right Tilt	0.055	0.057	0.112	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.302	0.299	0.353	0.299	0.391

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

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

ED-DC Configuratin	NR Ant.	Power Reduction	LTE Ant.	Power Reduction	Position	NR Band SAR	LTE Band SAR	Stand alone SAR								SUM SAR				
								1	2	3	4	5	6	7	8					
								ENDC (LTE+NR)	2.4GWIFI	2.4GWIFI	2.4GWIFI	5GWIFI Max	5GWIFI Max	5GWIFI Max	Bluetooth	WWAN+2.4G WIFI Ant.6 +BT	WWAN+2.4G WIFI Ant.9 +5G WIFI Ant.8	WWAN+5G WIFI Ant.8+BT	WWAN+5G WIFI Ant.11+BT	WWAN+5G WIFI Ant.MIMO+BT
								Ant.6	Ant.9	Ant.6&9	Ant.8	Ant.11	Ant.8&11	Ant.9	(1+2+8)	(1+3+5)	(1+5+8)	(1+6+8)	(1+7+8)	

7A+n5A	Ant.0	Level5&6	Ant.5	Level5&6	Front Side 15mm	0.105	0.074	0.179	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.276	0.282	0.265	0.365	0.418
		Level5&6		Level5&6	Back Side 15mm	0.116	0.087	0.203	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.357	0.439	0.405	0.529	0.669
7A+n5A	Ant.0	Level5&6	Ant.6	Level5&6	Front Side 15mm	0.105	0.070	0.175	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.272	0.278	0.261	0.361	0.414
		Level5&6		Level5&6	Back Side 15mm	0.116	0.126	0.242	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.396	0.478	0.444	0.568	0.708
7A+n5A	Ant.1	Level5&6	Ant.5	Level5&6	Front Side 15mm	0.104	0.074	0.178	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.275	0.281	0.264	0.364	0.417
		Level5&6		Level5&6	Back Side 15mm	0.115	0.087	0.202	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.356	0.438	0.404	0.528	0.668
7A+n5A	Ant.1	Level5&6	Ant.6	Level5&6	Front Side 15mm	0.104	0.070	0.174	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.271	0.277	0.260	0.360	0.413
		Level5&6		Level5&6	Back Side 15mm	0.115	0.126	0.241	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.395	0.477	0.443	0.567	0.707
5A+n7A	Ant.5	Level5&6	Ant.0	Level5&6	Front Side 15mm	0.072	0.099	0.171	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.268	0.274	0.257	0.357	0.410
		Level5&6		Level5&6	Back Side 15mm	0.073	0.124	0.197	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.351	0.433	0.399	0.523	0.663
5A+n7A	Ant.5	Level5&6	Ant.1	Level5&6	Front Side 15mm	0.072	0.148	0.220	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.317	0.323	0.306	0.406	0.459
		Level5&6		Level5&6	Back Side 15mm	0.073	0.171	0.244	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.398	0.480	0.446	0.570	0.710
5A+n7A	Ant.6	Level5&6	Ant.0	Level5&6	Front Side 15mm	0.042	0.099	0.141	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.238	0.244	0.227	0.327	0.380
		Level5&6		Level5&6	Back Side 15mm	0.085	0.124	0.209	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.363	0.445	0.411	0.535	0.675

5A+n7A	Ant.6	Level5&6	Ant.1	LevelI5&6	Front														
					Side	0.042	0.148	0.190	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.287	0.293	0.276	0.376
		15mm																	
		Level5&6		LevelI5&6	Back														
Side	0.085		0.171		0.256	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.410	0.492	0.458	0.582	0.722		
					15mm														
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 0.722 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.																			

12.3.5 Hotspot Simultaneous Transmission SAR Evaluation for ENDC Mode with 2.4G WLAN and 5G WLAN

ED-DC Configuratioin	NR Ant.	Power Reduction	LTE Ant.	Power Reduction	Position	NR Band SAR	LTE Band SAR	Stand alone SAR								SUM SAR				
								1	2	3	4	5	6	7	8					
								ENDC (LTE+NR)	2.4GWIFI	2.4GWIFI	2.4GWIFI	5GWIFI Max	5GWIFI Max	5GWIFI Max	Bluetooth	WWAN+2.4G WIFI Ant.6 +BT	WWAN+2.4G WIFI Ant.9 +5G WIFI Ant.8	WWAN+5G WIFI Ant.8+BT	WWAN+5G WIFI Ant.11+BT	WWAN+5G WIFI Ant.MIMO+BT
									Ant.6	Ant.9	Ant.6&9	Ant.8	Ant.11	Ant.8&11	Ant.9	(1+2+8)	(1+3+5)	(1+5+8)	(1+6+8)	(1+7+8)
7A+n5A	Ant.0	Level5&6	Ant.5	Level5&6	Front Side 10mm	0.111	0.160	0.271	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.426	0.478	0.434	0.549	0.572
		Level5&6		Level5&6	Back Side 10mm	0.151	0.266	0.417	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.705	0.853	0.721	0.845	0.987
		Level5&6		Level5&6	Right Edge 10mm	0.163	0.100	0.263	/	/	/	/	/	/	/	/	/	/	/	/
		Level5&6		Level5&6	Top Edge 10mm	/	0.344	/	0.032	0.215	0.129	0.134	/	0.233	0.010	/	/	/	/	/
7A+n5A	Ant.0	Level5&6	Ant.6	Level5&6	Front Side 10mm	0.111	0.146	0.257	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.412	0.464	0.420	0.535	0.558
		Level5&6		Level5&6	Back Side 10mm	0.151	0.263	0.414	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.702	0.850	0.718	0.842	0.984
		Level5&6		Level5&6	Left Edge 10mm	/	0.337	/	0.300	0.137	0.475	0.202	0.343	0.429	0.022	/	/	/	/	/

		Level5&6		Level5&6	Right Edge 10mm	0.163	/	/	/	/	/	/	/	/	/	/	/	/	/	/
		Level5&6		Level5&6	Bottom Edge 10mm	/	0.040	/	/	/	/	/	/	/	/	/	/	/	/	/
7A+n5A	Ant.1	Level5&6	Ant.5	Level5&6	Front Side 10mm	0.160	0.160	0.320	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.475	0.527	0.483	0.598	0.621
		Level5&6		Level5&6	Back Side 10mm	0.218	0.266	0.484	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.772	0.920	0.788	0.912	1.054
		Level5&6		Level5&6	Right Edge 10mm	0.183	0.100	0.283	/	/	/	/	/	/	/	/	/	/	/	/
		Level5&6		Level5&6	Top Edge 10mm	/	0.344	/	0.032	0.215	0.129	0.134	/	0.233	0.010	/	/	/	/	/
		Level5&6		Level5&6	Bottom Edge 10mm	0.096	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7A+n5A	Ant.1	Level5&6	Ant.6	Level5&6	Front Side 10mm	0.160	0.146	0.306	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.461	0.513	0.469	0.584	0.607
		Level5&6		Level5&6	Back Side 10mm	0.218	0.263	0.481	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.769	0.917	0.785	0.909	1.051
		Level5&6		Level5&6	Left Edge 10mm	/	0.337	/	0.300	0.137	0.475	0.202	0.343	0.429	0.022	/	/	/	/	/
		Level5&6		Level5&6	Right Edge 10mm	0.183	/	/	/	/	/	/	/	/	/	/	/	/	/	/
		Level5&6		Level5&6	Bottom Edge 10mm	0.096	0.040	0.136	/	/	/	/	/	/	/	/	/	/	/	/
5A+n7A	Ant.5	Level5&6	Ant.0	Level5&6	Front Side 10mm	0.115	0.162	0.277	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.432	0.484	0.440	0.555	0.578
		Level5&6		Level5&6	Back Side 10mm	0.205	0.199	0.404	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.692	0.840	0.708	0.832	0.974

		Level5&6		Level5&6	Right Edge 10mm	0.131	0.224	0.355	/	/	/	/	/	/	/	/	/	/	/	/
		Level5&6		Level5&6	Top Edge 10mm	0.295	/	/	0.032	0.215	0.129	0.134	/	0.233	0.010	/	/	/	/	/
		Level5&6		Level5&6	Bottom Edge 10mm	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5A+n7A	Ant.5	Level5&6	Ant.1	Level5&6	Front Side 10mm	0.115	0.240	0.355	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.510	0.562	0.518	0.633	0.656
		Level5&6		Level5&6	Back Side 10mm	0.205	0.314	0.519	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.807	0.955	0.823	0.947	1.089
		Level5&6		Level5&6	Right Edge 10mm	0.131	0.159	0.290	/	/	/	/	/	/	/	/	/	/	/	/
		Level5&6		Level5&6	Top Edge 10mm	0.295	/	/	0.032	0.215	0.129	0.134	/	0.233	0.010	/	/	/	/	/
		Level5&6		Level5&6	Bottom Edge 10mm	/	0.190	/	/	/	/	/	/	/	/	/	/	/	/	/
5A+n7A	Ant.6	Level5&6	Ant.0	Level5&6	Front Side 10mm	0.113	0.162	0.275	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.430	0.482	0.438	0.553	0.576
		Level5&6		Level5&6	Back Side 10mm	0.228	0.199	0.427	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.715	0.863	0.731	0.855	0.997
		Level5&6		Level5&6	Left Edge 10mm	0.240	/	/	0.300	0.137	0.475	0.202	0.343	0.429	0.022	/	/	/	/	/
		Level5&6		Level5&6	Right Edge 10mm	/	0.224	/	/	/	/	/	/	/	/	/	/	/	/	/
		Level5&6		Level5&6	Top Edge 10mm	0.025	/	/	0.032	0.215	0.129	0.134	/	0.233	0.010	/	/	/	/	/
5A+n7A	Ant.6	Level5&6	Ant.1	Level5&6	Front Side 10mm	0.113	0.240	0.353	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.508	0.560	0.516	0.631	0.654

		Level5&6	Level5&6	Back Side 10mm	0.228	0.314	0.542	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.830	0.978	0.846	0.970	1.112
		Level5&6	Level5&6	Left Edge 10mm	0.240	/	/	0.300	0.137	0.475	0.202	0.343	0.429	0.022	/	/	/	/	/
		Level5&6	Level5&6	Right Edge 10mm	/	0.159	/	/	/	/	/	/	/	/	/	/	/	/	/
		Level5&6	Level5&6	Top Edge 10mm	0.025	/	/	0.032	0.215	0.129	0.134	/	0.233	0.010	/	/	/	/	/
		Level5&6	Level5&6	Bottom Edge 10mm	/	0.190	/	/	/	/	/	/	/	/	/	/	/	/	/

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

12.3.6 Simultaneous Transmission SAR Evaluation for WLAN 2.4G and WLAN 5G

Power Reduction	Position	Stand alone SAR							SUM SAR				
		1	2	3	4	5	6	7					
		2.4GWIFI	2.4GWIFI	2.4GWIFI	5GWIFI Max	5GWIFI Max	5GWIFI Max	Bluetooth	2.4G WIFI Ant.6 +BT	2.4G WIFI Ant.9 +5G WIFI Ant.8	5G WIFI Ant.8+BT	5G WIFI Ant.11+BT	5G WIFI Ant.MIMO+BT
		Ant.6	Ant.9	Ant.6&9	Ant.8	Ant.11	Ant.8&11	Ant.9	(1+7)	(2+4)	(4+7)	(5+7)	(6+7)
Level1	Left Cheek	0.464	0.323	1.056	0.481	0.666	0.839	0.333	0.797	0.804	0.814	0.999	1.172
Level1	Left Tilt	0.134	0.299	0.678	0.501	0.153	0.556	0.273	0.407	0.800	0.774	0.425	0.828
Level1	Right Cheek	0.200	0.159	0.508	0.262	0.178	0.292	0.147	0.348	0.422	0.410	0.326	0.439
Level1	Right Tilt	0.074	0.163	0.508	0.281	0.091	0.313	0.153	0.227	0.443	0.434	0.245	0.466
Level4	Front Side 15mm	0.112	0.063	0.149	0.126	0.307	0.369	0.022	0.134	0.189	0.148	0.329	0.391
Level4	Back Side 15mm	0.155	0.097	0.180	0.305	0.496	0.783	0.026	0.181	0.401	0.331	0.522	0.809
Level4	Front Side 10mm	0.154	0.132	0.259	0.204	0.383	0.651	0.046	0.201	0.260	0.175	0.126	0.695
Level4	Back Side 10mm	0.320	0.279	0.583	0.414	0.619	0.988	0.060	0.379	0.539	0.320	0.230	1.044
Level4	Left Edge 10mm	0.420	0.203	0.597	0.345	0.554	0.883	0.022	0.442	0.339	0.158	0.099	0.901
Level4	Top Edge 10mm	0.046	0.317	0.183	0.231	/	0.408	0.010	0.056	0.462	0.155	/	0.416

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

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

Band	Power Reduction	Antenna	Position	Stand alone SAR								SUM SAR				
				1	2	3	4	5	6	7	8	WWAN+2.4G WIFI Ant.6 +BT	WWAN+2.4G WIFI Ant.9 +5G WIFI Ant.8	WWAN+5G WIFI Ant.8+BT	WWAN+5G WIFI Ant.11+BT	WWAN+5G WIFI Ant.MIMO+BT
				WWAN	2.4GWIFI	2.4GWIFI	2.4GWIFI	5GWIFI Max	5GWIFI Max	5GWIFI Max	Bluetooth					
					Ant.6	Ant.9	Ant.6&9	Ant.8	Ant.11	Ant.8&11	Ant.9	(1+2+8)	(1+3+5)	(1+5+8)	(1+6+8)	(1+7+8)
GSM850	Level2&3	Ant.0	Left Cheek	0.402	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.982	0.752	0.885	0.941	1.099
	Level2&3	Ant.0	Left Tilt	0.066	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.411	0.429	0.506	0.388	0.582
	Level2&3	Ant.0	Right Cheek	0.136	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.383	0.308	0.369	0.339	0.418
	Level2&3	Ant.0	Right Tilt	0.055	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.245	0.242	0.296	0.242	0.334
GSM850	Level2&3	Ant.1	Left Cheek	0.174	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.754	0.524	0.657	0.713	0.871
	Level2&3	Ant.1	Left Tilt	0.078	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.423	0.441	0.518	0.400	0.594
	Level2&3	Ant.1	Right Cheek	0.149	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.396	0.321	0.382	0.352	0.431
	Level2&3	Ant.1	Right Tilt	0.077	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.267	0.264	0.318	0.264	0.356
GSM 1900	Level2&3	Ant.3	Left Cheek	0.192	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.772	0.542	0.675	0.731	0.889
	Level2&3	Ant.3	Left Tilt	0.130	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.475	0.493	0.570	0.452	0.646
	Level2&3	Ant.3	Right Cheek	0.688	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.935	0.860	0.921	0.891	0.970
	Level2&3	Ant.3	Right Tilt	0.195	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.385	0.382	0.436	0.382	0.474
GSM 1900	Level2&3	Ant.4	Left Cheek	0.083	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.663	0.433	0.566	0.622	0.780
	Level2&3	Ant.4	Left Tilt	0.068	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.413	0.431	0.508	0.390	0.584
	Level2&3	Ant.4	Right Cheek	0.118	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.365	0.290	0.351	0.321	0.400
	Level2&3	Ant.4	Right Tilt	0.086	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.276	0.273	0.327	0.273	0.365
WCDMA B2	Level2&3	Ant.3	Left Cheek	0.189	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.769	0.539	0.672	0.728	0.886
	Level2&3	Ant.3	Left Tilt	0.104	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.449	0.467	0.544	0.426	0.620
	Level2&3	Ant.3	Right Cheek	0.672	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.919	0.844	0.905	0.875	0.954
	Level2&3	Ant.3	Right Tilt	0.202	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.392	0.389	0.443	0.389	0.481
WCDMA B2	Level2&3	Ant.4	Left Cheek	0.181	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.761	0.531	0.664	0.720	0.878
	Level2&3	Ant.4	Left Tilt	0.076	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.421	0.439	0.516	0.398	0.592
	Level2&3	Ant.4	Right Cheek	0.191	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.438	0.363	0.424	0.394	0.473
	Level2&3	Ant.4	Right Tilt	0.104	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.294	0.291	0.345	0.291	0.383
WCDMA B4	Level2&3	Ant.3	Left Cheek	0.185	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.765	0.535	0.668	0.724	0.882
	Level2&3	Ant.3	Left Tilt	0.075	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.420	0.438	0.515	0.397	0.591
	Level2&3	Ant.3	Right Cheek	0.614	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.861	0.786	0.847	0.817	0.896
	Level2&3	Ant.3	Right Tilt	0.182	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.372	0.369	0.423	0.369	0.461
WCDMA B4	Level2&3	Ant.4	Left Cheek	0.167	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.747	0.517	0.650	0.706	0.864
	Level2&3	Ant.4	Left Tilt	0.075	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.420	0.438	0.515	0.397	0.591
	Level2&3	Ant.4	Right Cheek	0.254	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.501	0.426	0.487	0.457	0.536
	Level2&3	Ant.4	Right Tilt	0.104	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.294	0.291	0.345	0.291	0.383
WCDMA B5	Level2&3	Ant.0	Left Cheek	0.799	0.246	0.200	0.526	0.150	0.205	0.364	0.333	1.379	1.149	1.282	1.338	1.496

	Level2&3	Ant.0	Left Tilt	0.090	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.435	0.453	0.530	0.412	0.606
	Level2&3	Ant.0	Right Cheek	0.402	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.649	0.574	0.635	0.605	0.684
	Level2&3	Ant.0	Right Tilt	0.062	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.252	0.249	0.303	0.249	0.341
WCDMA B5	Level2&3	Ant.1	Left Cheek	0.208	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.788	0.558	0.691	0.747	0.905
	Level2&3	Ant.1	Left Tilt	0.106	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.451	0.469	0.546	0.428	0.622
	Level2&3	Ant.1	Right Cheek	0.143	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.390	0.315	0.376	0.346	0.425
	Level2&3	Ant.1	Right Tilt	0.082	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.272	0.269	0.323	0.269	0.361
LTE B2	Level2&3	Ant.3	Left Cheek	0.169	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.749	0.519	0.652	0.708	0.866
	Level2&3	Ant.3	Left Tilt	0.098	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.443	0.461	0.538	0.420	0.614
	Level2&3	Ant.3	Right Cheek	0.561	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.808	0.733	0.794	0.764	0.843
	Level2&3	Ant.3	Right Tilt	0.185	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.375	0.372	0.426	0.372	0.464
LTE B2	Level2&3	Ant.4	Left Cheek	0.137	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.717	0.487	0.620	0.676	0.834
	Level2&3	Ant.4	Left Tilt	0.088	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.433	0.451	0.528	0.410	0.604
	Level2&3	Ant.4	Right Cheek	0.178	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.425	0.350	0.411	0.381	0.460
	Level2&3	Ant.4	Right Tilt	0.092	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.282	0.279	0.333	0.279	0.371
LTE B4	Level2&3	Ant.3	Left Cheek	0.149	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.729	0.499	0.632	0.688	0.846
	Level2&3	Ant.3	Left Tilt	0.065	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.410	0.428	0.505	0.387	0.581
	Level2&3	Ant.3	Right Cheek	0.448	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.695	0.620	0.681	0.651	0.730
	Level2&3	Ant.3	Right Tilt	0.169	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.359	0.356	0.410	0.356	0.448
LTE B4	Level2&3	Ant.4	Left Cheek	0.172	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.752	0.522	0.655	0.711	0.869
	Level2&3	Ant.4	Left Tilt	0.098	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.443	0.461	0.538	0.420	0.614
	Level2&3	Ant.4	Right Cheek	0.218	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.465	0.390	0.451	0.421	0.500
	Level2&3	Ant.4	Right Tilt	0.093	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.283	0.280	0.334	0.280	0.372
LTE B5	Level2&3	Ant.0	Left Cheek	0.796	0.246	0.200	0.526	0.150	0.205	0.364	0.333	1.376	1.146	1.279	1.335	1.493
	Level2&3	Ant.0	Left Tilt	0.099	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.444	0.462	0.539	0.421	0.615
	Level2&3	Ant.0	Right Cheek	0.413	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.660	0.585	0.646	0.616	0.695
	Level2&3	Ant.0	Right Tilt	0.066	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.256	0.253	0.307	0.253	0.345
LTE B5	Level2&3	Ant.1	Left Cheek	0.184	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.764	0.534	0.667	0.723	0.881
	Level2&3	Ant.1	Left Tilt	0.087	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.432	0.450	0.527	0.409	0.603
	Level2&3	Ant.1	Right Cheek	0.158	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.405	0.330	0.391	0.361	0.440
	Level2&3	Ant.1	Right Tilt	0.057	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.247	0.244	0.298	0.244	0.336
LTE B7	Level2&3	Ant.3	Left Cheek	0.189	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.769	0.539	0.672	0.728	0.886
	Level2&3	Ant.3	Left Tilt	0.134	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.479	0.497	0.574	0.456	0.650
	Level2&3	Ant.3	Right Cheek	0.670	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.917	0.842	0.903	0.873	0.952
	Level2&3	Ant.3	Right Tilt	0.305	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.495	0.492	0.546	0.492	0.584
LTE B7	Level2&3	Ant.4	Left Cheek	0.149	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.729	0.499	0.632	0.688	0.846
	Level2&3	Ant.4	Left Tilt	0.131	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.476	0.494	0.571	0.453	0.647
	Level2&3	Ant.4	Right Cheek	0.256	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.503	0.428	0.489	0.459	0.538
	Level2&3	Ant.4	Right Tilt	0.066	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.256	0.253	0.307	0.253	0.345
LTE B12	Level2&3	Ant.0	Left Cheek	0.083	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.663	0.433	0.566	0.622	0.780
	Level2&3	Ant.0	Left Tilt	0.000	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.345	0.363	0.440	0.322	0.516
	Level2&3	Ant.0	Right Cheek	0.042	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.289	0.214	0.275	0.245	0.324
	Level2&3	Ant.0	Right Tilt	0.000	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.190	0.187	0.241	0.187	0.279

LTE B12	Level2&3	Ant.1	Left Cheek	0.083	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.663	0.433	0.566	0.622	0.780
	Level2&3	Ant.1	Left Tilt	0.000	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.345	0.363	0.440	0.322	0.516
	Level2&3	Ant.1	Right Cheek	0.073	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.320	0.245	0.306	0.276	0.355
	Level2&3	Ant.1	Right Tilt	0.000	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.190	0.187	0.241	0.187	0.279
LTE B26	Level2&3	Ant.0	Left Cheek	0.865	0.246	0.200	0.526	0.150	0.205	0.364	0.333	1.445	1.215	1.348	1.404	1.562
	Level2&3	Ant.0	Left Tilt	0.089	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.434	0.452	0.529	0.411	0.605
	Level2&3	Ant.0	Right Cheek	0.487	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.734	0.659	0.720	0.690	0.769
	Level2&3	Ant.0	Right Tilt	0.070	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.260	0.257	0.311	0.257	0.349
LTE B26	Level2&3	Ant.1	Left Cheek	0.226	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.806	0.576	0.709	0.765	0.923
	Level2&3	Ant.1	Left Tilt	0.115	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.460	0.478	0.555	0.437	0.631
	Level2&3	Ant.1	Right Cheek	0.134	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.381	0.306	0.367	0.337	0.416
	Level2&3	Ant.1	Right Tilt	0.073	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.263	0.260	0.314	0.260	0.352
LTE B38	Level2&3	Ant.3	Left Cheek	0.188	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.768	0.538	0.671	0.727	0.885
	Level2&3	Ant.3	Left Tilt	0.088	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.433	0.451	0.528	0.410	0.604
	Level2&3	Ant.3	Right Cheek	0.689	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.936	0.861	0.922	0.892	0.971
	Level2&3	Ant.3	Right Tilt	0.246	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.436	0.433	0.487	0.433	0.525
LTE B38	Level2&3	Ant.4	Left Cheek	0.087	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.667	0.437	0.570	0.626	0.784
	Level2&3	Ant.4	Left Tilt	0.078	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.423	0.441	0.518	0.400	0.594
	Level2&3	Ant.4	Right Cheek	0.172	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.419	0.344	0.405	0.375	0.454
	Level2&3	Ant.4	Right Tilt	0.035	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.225	0.222	0.276	0.222	0.314
LTE B41	Level2&3	Ant.3	Left Cheek	0.160	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.740	0.510	0.643	0.699	0.857
	Level2&3	Ant.3	Left Tilt	0.104	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.449	0.467	0.544	0.426	0.620
	Level2&3	Ant.3	Right Cheek	0.657	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.904	0.829	0.890	0.860	0.939
	Level2&3	Ant.3	Right Tilt	0.268	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.458	0.455	0.509	0.455	0.547
LTE B41	Level2&3	Ant.4	Left Cheek	0.115	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.695	0.465	0.598	0.654	0.812
	Level2&3	Ant.4	Left Tilt	0.075	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.420	0.438	0.515	0.397	0.591
	Level2&3	Ant.4	Right Cheek	0.209	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.456	0.381	0.442	0.412	0.491
	Level2&3	Ant.4	Right Tilt	0.059	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.249	0.246	0.300	0.246	0.338
N5	Level2&3	Ant.0	Left Cheek	0.596	0.246	0.200	0.526	0.150	0.205	0.364	0.333	1.176	0.946	1.079	1.135	1.293
	Level2&3	Ant.0	Left Tilt	0.059	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.404	0.422	0.499	0.381	0.575
	Level2&3	Ant.0	Right Cheek	0.326	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.573	0.498	0.559	0.529	0.608
	Level2&3	Ant.0	Right Tilt	0.050	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.240	0.237	0.291	0.237	0.329
N5	Level2&3	Ant.1	Left Cheek	0.198	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.778	0.548	0.681	0.737	0.895
	Level2&3	Ant.1	Left Tilt	0.096	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.441	0.459	0.536	0.418	0.612
	Level2&3	Ant.1	Right Cheek	0.138	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.385	0.310	0.371	0.341	0.420
	Level2&3	Ant.1	Right Tilt	0.093	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.283	0.280	0.334	0.280	0.372
N7	Level2&3	Ant.3	Left Cheek	0.189	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.769	0.539	0.672	0.728	0.886
	Level2&3	Ant.3	Left Tilt	0.126	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.471	0.489	0.566	0.448	0.642
	Level2&3	Ant.3	Right Cheek	0.782	0.099	0.086	0.286	0.085	0.055	0.135	0.147	1.029	0.954	1.015	0.985	1.064
	Level2&3	Ant.3	Right Tilt	0.327	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.517	0.514	0.568	0.514	0.606
N7	Level2&3	Ant.4	Left Cheek	0.149	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.729	0.499	0.632	0.688	0.846
	Level2&3	Ant.4	Left Tilt	0.086	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.431	0.449	0.526	0.408	0.602
	Level2&3	Ant.4	Right Cheek	0.219	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.466	0.391	0.452	0.422	0.501

	Level2&3	Ant.4	Right Tilt	0.026	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.216	0.213	0.267	0.213	0.305
N38	Level2&3	Ant.3	Left Cheek	0.238	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.818	0.588	0.721	0.777	0.935
	Level2&3	Ant.3	Left Tilt	0.147	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.492	0.510	0.587	0.469	0.663
	Level2&3	Ant.3	Right Cheek	0.918	0.099	0.086	0.286	0.085	0.055	0.135	0.147	1.165	1.090	1.151	1.121	1.200
	Level2&3	Ant.3	Right Tilt	0.357	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.547	0.544	0.598	0.544	0.636
N38	Level2&3	Ant.4	Left Cheek	0.270	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.850	0.620	0.753	0.809	0.967
	Level2&3	Ant.4	Left Tilt	0.142	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.487	0.505	0.582	0.464	0.658
	Level2&3	Ant.4	Right Cheek	0.295	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.542	0.467	0.528	0.498	0.577
	Level2&3	Ant.4	Right Tilt	0.130	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.320	0.317	0.371	0.317	0.409
N41	Level2&3	Ant.3	Left Cheek	0.215	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.795	0.565	0.698	0.754	0.912
	Level2&3	Ant.3	Left Tilt	0.148	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.493	0.511	0.588	0.470	0.664
	Level2&3	Ant.3	Right Cheek	0.910	0.099	0.086	0.286	0.085	0.055	0.135	0.147	1.157	1.082	1.143	1.113	1.192
	Level2&3	Ant.3	Right Tilt	0.382	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.572	0.569	0.623	0.569	0.661
N41	Level2&3	Ant.4	Left Cheek	0.168	0.246	0.200	0.526	0.150	0.205	0.364	0.333	0.748	0.518	0.651	0.707	0.865
	Level2&3	Ant.4	Left Tilt	0.118	0.072	0.196	0.363	0.167	0.049	0.243	0.273	0.463	0.481	0.558	0.440	0.634
	Level2&3	Ant.4	Right Cheek	0.315	0.099	0.086	0.286	0.085	0.055	0.135	0.147	0.562	0.487	0.548	0.518	0.597
	Level2&3	Ant.4	Right Tilt	0.071	0.036	0.100	0.292	0.088	0.033	0.125	0.153	0.261	0.258	0.312	0.258	0.350
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 1.562 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.																

12.3.8 Body-Worn Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN 2.4G and WLAN 5G

Band	Power Reduction	Antenna	Position	Stand alone SAR								SUM SAR				
				1	2	3	4	5	6	7	8					
				WWAN	2.4GWIFI	2.4GWIFI	2.4GWIFI	5GWIFI Max	5GWIFI Max	5GWIFI Max	Bluetooth	WWAN+2.4G WIFI Ant.6 +BT	WWAN+2.4G WIFI Ant.9 +5G WIFI Ant.8	WWAN+5G WIFI Ant.8+BT	WWAN+5G WIFI Ant.11+BT	WWAN+5G WIFI Ant.MIMO+BT
GSM850	Level5&6	Ant.0	Front Side 15mm	0.185	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.282	0.288	0.271	0.371	0.424
	Level5&6	Ant.0	Back Side 15mm	0.223	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.377	0.459	0.425	0.549	0.689
GSM850	Level5&6	Ant.1	Front Side 15mm	0.076	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.173	0.179	0.162	0.262	0.315
	Level5&6	Ant.1	Back Side 15mm	0.086	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.240	0.322	0.288	0.412	0.552
GSM 1900	Level5&6	Ant.3	Front Side 15mm	0.087	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.184	0.190	0.173	0.273	0.326
	Level5&6	Ant.3	Back Side 15mm	0.120	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.274	0.356	0.322	0.446	0.586
GSM 1900	Level5&6	Ant.4	Front Side 15mm	0.103	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.200	0.206	0.189	0.289	0.342
	Level5&6	Ant.4	Back Side 15mm	0.113	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.267	0.349	0.315	0.439	0.579
WCDMA B2	Level5&6	Ant.3	Front Side 15mm	0.132	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.229	0.235	0.218	0.318	0.371
	Level5&6	Ant.3	Back Side 15mm	0.200	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.354	0.436	0.402	0.526	0.666
WCDMA B2	Level5&6	Ant.4	Front Side 15mm	0.126	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.223	0.229	0.212	0.312	0.365

	Level5&6	Ant.4	Back Side 15mm	0.163	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.317	0.399	0.365	0.489	0.629
WCDMA B4	Level5&6	Ant.3	Front Side 15mm	0.135	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.232	0.238	0.221	0.321	0.374
	Level5&6	Ant.3	Back Side 15mm	0.191	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.345	0.427	0.393	0.517	0.657
WCDMA B4	Level5&6	Ant.4	Front Side 15mm	0.148	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.245	0.251	0.234	0.334	0.387
	Level5&6	Ant.4	Back Side 15mm	0.160	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.314	0.396	0.362	0.486	0.626
WCDMA B5	Level5&6	Ant.0	Front Side 15mm	0.222	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.319	0.325	0.308	0.408	0.461
	Level5&6	Ant.0	Back Side 15mm	0.277	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.431	0.513	0.479	0.603	0.743
WCDMA B5	Level5&6	Ant.1	Front Side 15mm	0.106	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.203	0.209	0.192	0.292	0.345
	Level5&6	Ant.1	Back Side 15mm	0.112	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.266	0.348	0.314	0.438	0.578
LTE B2	Level5&6	Ant.3	Front Side 15mm	0.110	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.207	0.213	0.196	0.296	0.349
	Level5&6	Ant.3	Back Side 15mm	0.153	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.307	0.389	0.355	0.479	0.619
LTE B2	Level5&6	Ant.4	Front Side 15mm	0.125	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.222	0.228	0.211	0.311	0.364
	Level5&6	Ant.4	Back Side 15mm	0.162	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.316	0.398	0.364	0.488	0.628
LTE B4	Level5&6	Ant.3	Front Side 15mm	0.089	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.186	0.192	0.175	0.275	0.328
	Level5&6	Ant.3	Back Side 15mm	0.163	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.317	0.399	0.365	0.489	0.629
LTE B4	Level5&6	Ant.4	Front Side 15mm	0.122	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.219	0.225	0.208	0.308	0.361
	Level5&6	Ant.4	Back Side 15mm	0.131	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.285	0.367	0.333	0.457	0.597
LTE B5	Level5&6	Ant.0	Front Side 15mm	0.241	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.338	0.344	0.327	0.427	0.480
	Level5&6	Ant.0	Back Side 15mm	0.303	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.457	0.539	0.505	0.629	0.769
LTE B5	Level5&6	Ant.1	Front Side 15mm	0.099	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.196	0.202	0.185	0.285	0.338
	Level5&6	Ant.1	Back Side 15mm	0.124	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.278	0.360	0.326	0.450	0.590
LTE B7	Level5&6	Ant.3	Front Side 15mm	0.125	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.222	0.228	0.211	0.311	0.364
	Level5&6	Ant.3	Back Side 15mm	0.149	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.303	0.385	0.351	0.475	0.615
LTE B7	Level5&6	Ant.4	Front Side 15mm	0.151	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.248	0.254	0.237	0.337	0.390
	Level5&6	Ant.4	Back Side 15mm	0.177	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.331	0.413	0.379	0.503	0.643
LTE B12	Level5&6	Ant.0	Front Side 15mm	0.017	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.114	0.120	0.103	0.203	0.256
	Level5&6	Ant.0	Back Side 15mm	0.023	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.177	0.259	0.225	0.349	0.489
LTE B12	Level5&6	Ant.1	Front Side 15mm	0.069	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.166	0.172	0.155	0.255	0.308
	Level5&6	Ant.1	Back Side 15mm	0.080	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.234	0.316	0.282	0.406	0.546
LTE B26	Level5&6	Ant.0	Front Side 15mm	0.249	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.346	0.352	0.335	0.435	0.488
	Level5&6	Ant.0	Back Side 15mm	0.313	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.467	0.549	0.515	0.639	0.779
LTE B26	Level5&6	Ant.1	Front Side 15mm	0.146	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.243	0.249	0.232	0.332	0.385
	Level5&6	Ant.1	Back Side 15mm	0.166	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.320	0.402	0.368	0.492	0.632
LTE B38	Level5&6	Ant.3	Front Side 15mm	0.172	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.269	0.275	0.258	0.358	0.411
	Level5&6	Ant.3	Back Side 15mm	0.262	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.416	0.498	0.464	0.588	0.728
LTE B38	Level5&6	Ant.4	Front Side 15mm	0.154	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.251	0.257	0.240	0.340	0.393
	Level5&6	Ant.4	Back Side 15mm	0.176	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.330	0.412	0.378	0.502	0.642
LTE B41	Level5&6	Ant.3	Front Side 15mm	0.152	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.249	0.255	0.238	0.338	0.391
	Level5&6	Ant.3	Back Side 15mm	0.205	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.359	0.441	0.407	0.531	0.671
LTE B41	Level5&6	Ant.4	Front Side 15mm	0.168	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.265	0.271	0.254	0.354	0.407
	Level5&6	Ant.4	Back Side 15mm	0.176	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.330	0.412	0.378	0.502	0.642
N5	Level5&6	Ant.0	Front Side 15mm	0.263	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.360	0.366	0.349	0.449	0.502
	Level5&6	Ant.0	Back Side 15mm	0.287	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.441	0.523	0.489	0.613	0.753

N5	Level5&6	Ant.1	Front Side 15mm	0.144	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.241	0.247	0.230	0.330	0.383
	Level5&6	Ant.1	Back Side 15mm	0.163	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.317	0.399	0.365	0.489	0.629
N7	Level5&6	Ant.3	Front Side 15mm	0.188	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.285	0.291	0.274	0.374	0.427
	Level5&6	Ant.3	Back Side 15mm	0.257	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.411	0.493	0.459	0.583	0.723
N7	Level5&6	Ant.4	Front Side 15mm	0.153	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.250	0.256	0.239	0.339	0.392
	Level5&6	Ant.4	Back Side 15mm	0.164	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.318	0.400	0.366	0.490	0.630
N38	Level5&6	Ant.3	Front Side 15mm	0.166	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.263	0.269	0.252	0.352	0.405
	Level5&6	Ant.3	Back Side 15mm	0.247	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.401	0.483	0.449	0.573	0.713
N38	Level5&6	Ant.4	Front Side 15mm	0.240	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.337	0.343	0.326	0.426	0.479
	Level5&6	Ant.4	Back Side 15mm	0.307	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.461	0.543	0.509	0.633	0.773
N41	Level5&6	Ant.3	Front Side 15mm	0.199	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.296	0.302	0.285	0.385	0.438
	Level5&6	Ant.3	Back Side 15mm	0.286	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.440	0.522	0.488	0.612	0.752
N41	Level5&6	Ant.4	Front Side 15mm	0.227	0.075	0.039	0.098	0.064	0.164	0.216	0.022	0.324	0.330	0.313	0.413	0.466
	Level5&6	Ant.4	Back Side 15mm	0.259	0.128	0.060	0.118	0.176	0.300	0.440	0.026	0.413	0.495	0.461	0.585	0.725
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 0.779 W/Kg < 1.6 W/Kg, so Simultaneous Transmission SAR test is not required.																

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

Band	Power Reduction	Antenna	Position	Stand alone SAR								SUM SAR				
				1	2	3	4	5	6	7	8					
				WWAN	2.4GWIFI	2.4GWIFI	2.4GWIFI	5GWIFI Max	5GWIFI Max	5GWIFI Max	Bluetooth	WWAN+2.4G WIFI Ant.6 +BT	WWAN+2.4G WIFI Ant.9 +5G WIFI Ant.8	WWAN+5G WIFI Ant.8+BT	WWAN+5G WIFI Ant.11+BT	WWAN+5G WIFI Ant.MIMO+BT
					Ant.6	Ant.9	Ant.6&9	Ant.8	Ant.11	Ant.8&11	Ant.9	(1+2+8)	(1+3+5)	(1+5+8)	(1+6+8)	(1+7+8)
GSM850	Level5&6	Ant.0	Front Side 10mm	0.326	0.109	0.132	0.183	0.117	0.232	0.255	0.046	0.481	0.575	0.489	0.604	0.627
	Level5&6	Ant.0	Back Side 10mm	0.383	0.229	0.279	0.452	0.245	0.369	0.510	0.060	0.671	0.906	0.687	0.811	0.953
	Level5&6	Ant.0	Right Edge 10mm	0.406	/	/	/	/	/	/	/	/	/	/	/	/
GSM850	Level5&6	Ant.1	Front Side 10mm	0.129	0.109	0.132	0.183	0.117	0.232	0.255	0.046	0.284	0.378	0.292	0.407	0.430
	Level5&6	Ant.1	Back Side 10mm	0.144	0.229	0.279	0.452	0.245	0.369	0.510	0.060	0.432	0.667	0.448	0.572	0.714
	Level5&6	Ant.1	Right Edge 10mm	0.097	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.1	Bottom Edge10mm	0.067	/	/	/	/	/	/	/	/	/	/	/	/
GSM 1900	Level5&6	Ant.3	Front Side 10mm	0.209	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.364	0.416	0.372	0.487	0.510
	Level5&6	Ant.3	Back Side 10mm	0.217	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.505	0.653	0.521	0.645	0.787
	Level5&6	Ant.3	Right Edge 10mm	0.322	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.3	Top Edge 10mm	0.095	0.032	0.215	0.129	0.134	/	0.233	0.010	0.137	0.443	0.239	/	0.338
GSM 1900	Level5&6	Ant.4	Front Side 10mm	0.264	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.419	0.471	0.427	0.542	0.565
	Level5&6	Ant.4	Back Side 10mm	0.316	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.604	0.752	0.620	0.744	0.886
	Level5&6	Ant.4	Left Edge 10mm	0.093	0.300	0.137	0.475	0.202	0.343	0.429	0.022	0.415	0.433	0.317	0.459	0.544

	Level5&6	Ant.4	Bottom Edge10mm	0.498	/	/	/	/	/	/	/	/	/	/	/	/
WCDMA B2	Level5&6	Ant.3	Front Side 10mm	0.263	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.418	0.470	0.426	0.541	0.564
	Level5&6	Ant.3	Back Side 10mm	0.371	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.659	0.807	0.675	0.799	0.941
	Level5&6	Ant.3	Right Edge 10mm	0.555	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.3	Top Edge 10mm	0.155	0.032	0.215	0.129	0.134	/	0.233	0.010	0.197	0.503	0.299	/	0.398
WCDMA B2	Level5&6	Ant.4	Front Side 10mm	0.281	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.436	0.488	0.444	0.559	0.582
	Level5&6	Ant.4	Back Side 10mm	0.301	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.589	0.737	0.605	0.729	0.871
	Level5&6	Ant.4	Left Edge 10mm	0.098	0.300	0.137	0.475	0.202	0.343	0.429	0.022	0.420	0.438	0.322	0.464	0.549
	Level5&6	Ant.4	Bottom Edge10mm	0.524	/	/	/	/	/	/	/	/	/	/	/	/
WCDMA B4	Level5&6	Ant.3	Front Side 10mm	0.375	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.530	0.582	0.538	0.653	0.676
	Level5&6	Ant.3	Back Side 10mm	0.345	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.633	0.781	0.649	0.773	0.915
	Level5&6	Ant.3	Right Edge 10mm	0.504	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.3	Top Edge 10mm	0.069	0.032	0.215	0.129	0.134	/	0.233	0.010	0.111	0.417	0.213	/	0.312
WCDMA B4	Level5&6	Ant.4	Front Side 10mm	0.336	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.491	0.543	0.499	0.614	0.637
	Level5&6	Ant.4	Back Side 10mm	0.301	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.589	0.737	0.605	0.729	0.871
	Level5&6	Ant.4	Left Edge 10mm	0.135	0.300	0.137	0.475	0.202	0.343	0.429	0.022	0.457	0.475	0.359	0.501	0.586
	Level5&6	Ant.4	Bottom Edge10mm	0.573	/	/	/	/	/	/	/	/	/	/	/	/
WCDMA B5	Level5&6	Ant.0	Front Side 10mm	0.411	0.109	0.132	0.183	0.117	0.232	0.255	0.046	0.566	0.660	0.574	0.689	0.712
	Level5&6	Ant.0	Back Side 10mm	0.461	0.229	0.279	0.452	0.245	0.369	0.510	0.060	0.749	0.984	0.765	0.889	1.031
	Level5&6	Ant.0	Right Edge 10mm	0.617	/	/	/	/	/	/	/	/	/	/	/	/
WCDMA B5	Level5&6	Ant.1	Front Side 10mm	0.154	0.109	0.132	0.183	0.117	0.232	0.255	0.046	0.309	0.403	0.317	0.432	0.455
	Level5&6	Ant.1	Back Side 10mm	0.211	0.229	0.279	0.452	0.245	0.369	0.510	0.060	0.499	0.734	0.515	0.639	0.781
	Level5&6	Ant.1	Right Edge 10mm	0.188	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.1	Bottom Edge10mm	0.103	/	/	/	/	/	/	/	/	/	/	/	/
LTE B2	Level5&6	Ant.3	Front Side 10mm	0.268	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.423	0.475	0.431	0.546	0.569
	Level5&6	Ant.3	Back Side 10mm	0.405	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.693	0.841	0.709	0.833	0.975
	Level5&6	Ant.3	Right Edge 10mm	0.702	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.3	Top Edge 10mm	0.155	0.032	0.215	0.129	0.134	/	0.233	0.010	0.197	0.503	0.299	/	0.398
LTE B2	Level5&6	Ant.4	Front Side 10mm	0.258	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.413	0.465	0.421	0.536	0.559
	Level5&6	Ant.4	Back Side 10mm	0.323	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.611	0.759	0.627	0.751	0.893
	Level5&6	Ant.4	Left Edge 10mm	0.108	0.300	0.137	0.475	0.202	0.343	0.429	0.022	0.430	0.448	0.332	0.474	0.559
	Level5&6	Ant.4	Bottom Edge10mm	0.433	/	/	/	/	/	/	/	/	/	/	/	/
LTE B4	Level5&6	Ant.3	Front Side 10mm	0.209	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.364	0.416	0.372	0.487	0.510
	Level5&6	Ant.3	Back Side 10mm	0.299	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.587	0.735	0.603	0.727	0.869
	Level5&6	Ant.3	Right Edge 10mm	0.406	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.3	Top Edge 10mm	0.060	0.032	0.215	0.129	0.134	/	0.233	0.010	0.102	0.408	0.204	/	0.303
LTE B4	Level5&6	Ant.4	Front Side 10mm	0.284	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.439	0.491	0.447	0.562	0.585
	Level5&6	Ant.4	Back Side 10mm	0.318	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.606	0.754	0.622	0.746	0.888

	Level5&6	Ant.4	Left Edge 10mm	0.107	0.300	0.137	0.475	0.202	0.343	0.429	0.022	0.429	0.447	0.331	0.473	0.558
	Level5&6	Ant.4	Bottom Edge10mm	0.432	/	/	/	/	/	/	/	/	/	/	/	/
LTE B5	Level5&6	Ant.0	Front Side 10mm	0.415	0.109	0.132	0.183	0.117	0.232	0.255	0.046	0.570	0.664	0.578	0.693	0.716
	Level5&6	Ant.0	Back Side 10mm	0.517	0.229	0.279	0.452	0.245	0.369	0.510	0.060	0.805	1.040	0.821	0.945	1.087
	Level5&6	Ant.0	Right Edge 10mm	0.590	/	/	/	/	/	/	/	/	/	/	/	/
LTE B5	Level5&6	Ant.1	Front Side 10mm	0.153	0.109	0.132	0.183	0.117	0.232	0.255	0.046	0.308	0.402	0.316	0.431	0.454
	Level5&6	Ant.1	Back Side 10mm	0.194	0.229	0.279	0.452	0.245	0.369	0.510	0.060	0.482	0.717	0.498	0.622	0.764
	Level5&6	Ant.1	Right Edge 10mm	0.169	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.1	Bottom Edge10mm	0.098	/	/	/	/	/	/	/	/	/	/	/	/
LTE B7	Level5&6	Ant.3	Front Side 10mm	0.224	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.379	0.431	0.387	0.502	0.525
	Level5&6	Ant.3	Back Side 10mm	0.364	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.652	0.800	0.668	0.792	0.934
	Level5&6	Ant.3	Right Edge 10mm	0.447	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.3	Top Edge 10mm	0.030	0.032	0.215	0.129	0.134	/	0.233	0.010	0.072	0.378	0.174	/	0.273
LTE B7	Level5&6	Ant.4	Front Side 10mm	0.274	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.429	0.481	0.437	0.552	0.575
	Level5&6	Ant.4	Back Side 10mm	0.286	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.574	0.722	0.590	0.714	0.856
	Level5&6	Ant.4	Left Edge 10mm	0.107	0.300	0.137	0.475	0.202	0.343	0.429	0.022	0.429	0.447	0.331	0.473	0.558
	Level5&6	Ant.4	Bottom Edge10mm	0.417	/	/	/	/	/	/	/	/	/	/	/	/
LTE B12	Level5&6	Ant.0	Front Side 10mm	0.032	0.109	0.132	0.183	0.117	0.232	0.255	0.046	0.187	0.281	0.195	0.310	0.333
	Level5&6	Ant.0	Back Side 10mm	0.042	0.229	0.279	0.452	0.245	0.369	0.510	0.060	0.330	0.565	0.346	0.470	0.612
	Level5&6	Ant.0	Right Edge 10mm	0.124	/	/	/	/	/	/	/	/	/	/	/	/
LTE B12	Level5&6	Ant.1	Front Side 10mm	0.070	0.109	0.132	0.183	0.117	0.232	0.255	0.046	0.225	0.319	0.233	0.348	0.371
	Level5&6	Ant.1	Back Side 10mm	0.083	0.229	0.279	0.452	0.245	0.369	0.510	0.060	0.371	0.606	0.387	0.511	0.653
	Level5&6	Ant.1	Right Edge 10mm	0.129	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.1	Bottom Edge10mm	0.044	/	/	/	/	/	/	/	/	/	/	/	/
LTE B26	Level5&6	Ant.0	Front Side 10mm	0.458	0.109	0.132	0.183	0.117	0.232	0.255	0.046	0.613	0.707	0.621	0.736	0.759
	Level5&6	Ant.0	Back Side 10mm	0.545	0.229	0.279	0.452	0.245	0.369	0.510	0.060	0.833	1.068	0.849	0.973	1.115
	Level5&6	Ant.0	Right Edge 10mm	0.596	/	/	/	/	/	/	/	/	/	/	/	/
LTE B26	Level5&6	Ant.1	Front Side 10mm	0.201	0.109	0.132	0.183	0.117	0.232	0.255	0.046	0.356	0.450	0.364	0.479	0.502
	Level5&6	Ant.1	Back Side 10mm	0.272	0.229	0.279	0.452	0.245	0.369	0.510	0.060	0.560	0.795	0.576	0.700	0.842
	Level5&6	Ant.1	Right Edge 10mm	0.187	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.1	Bottom Edge10mm	0.146	/	/	/	/	/	/	/	/	/	/	/	/
LTE B38	Level5&6	Ant.3	Front Side 10mm	0.354	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.509	0.561	0.517	0.632	0.655
	Level5&6	Ant.3	Back Side 10mm	0.559	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.847	0.995	0.863	0.987	1.129
	Level5&6	Ant.3	Right Edge 10mm	0.821	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.3	Top Edge 10mm	0.048	0.032	0.215	0.129	0.134	/	0.233	0.010	0.090	0.396	0.192	/	0.291
LTE B38	Level5&6	Ant.4	Front Side 10mm	0.291	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.446	0.498	0.454	0.569	0.592
	Level5&6	Ant.4	Back Side 10mm	0.327	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.615	0.763	0.631	0.755	0.897
	Level5&6	Ant.4	Left Edge 10mm	0.111	0.300	0.137	0.475	0.202	0.343	0.429	0.022	0.433	0.451	0.335	0.477	0.562

	Level5&6	Ant.4	Bottom Edge10mm	0.553	/	/	/	/	/	/	/	/	/	/	/	/
LTE B41	Level5&6	Ant.3	Front Side 10mm	0.297	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.452	0.504	0.460	0.575	0.598
	Level5&6	Ant.3	Back Side 10mm	0.458	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.746	0.894	0.762	0.886	1.028
	Level5&6	Ant.3	Right Edge 10mm	0.538	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.3	Top Edge 10mm	0.063	0.032	0.215	0.129	0.134	/	0.233	0.010	0.105	0.411	0.207	/	0.306
LTE B41	Level5&6	Ant.4	Front Side 10mm	0.313	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.468	0.520	0.476	0.591	0.614
	Level5&6	Ant.4	Back Side 10mm	0.357	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.645	0.793	0.661	0.785	0.927
	Level5&6	Ant.4	Left Edge 10mm	0.117	0.300	0.137	0.475	0.202	0.343	0.429	0.022	0.439	0.457	0.341	0.483	0.568
	Level5&6	Ant.4	Bottom Edge10mm	0.589	/	/	/	/	/	/	/	/	/	/	/	/
N5	Level5&6	Ant.0	Front Side 10mm	0.274	0.109	0.132	0.183	0.117	0.232	0.255	0.046	0.429	0.523	0.437	0.552	0.575
	Level5&6	Ant.0	Back Side 10mm	0.387	0.229	0.279	0.452	0.245	0.369	0.510	0.060	0.675	0.910	0.691	0.815	0.957
	Level5&6	Ant.0	Right Edge 10mm	0.447	/	/	/	/	/	/	/	/	/	/	/	/
N5	Level5&6	Ant.1	Front Side 10mm	0.231	0.109	0.132	0.183	0.117	0.232	0.255	0.046	0.386	0.480	0.394	0.509	0.532
	Level5&6	Ant.1	Back Side 10mm	0.300	0.229	0.279	0.452	0.245	0.369	0.510	0.060	0.588	0.823	0.604	0.728	0.870
	Level5&6	Ant.1	Right Edge 10mm	0.263	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.1	Bottom Edge10mm	0.136	/	/	/	/	/	/	/	/	/	/	/	/
N7	Level5&6	Ant.3	Front Side 10mm	0.215	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.370	0.422	0.378	0.493	0.516
	Level5&6	Ant.3	Back Side 10mm	0.342	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.630	0.778	0.646	0.770	0.912
	Level5&6	Ant.3	Right Edge 10mm	0.539	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.3	Top Edge 10mm	0.056	0.032	0.215	0.129	0.134	/	0.233	0.010	0.098	0.404	0.200	/	0.299
N7	Level5&6	Ant.4	Front Side 10mm	0.210	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.365	0.417	0.373	0.488	0.511
	Level5&6	Ant.4	Back Side 10mm	0.255	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.543	0.691	0.559	0.683	0.825
	Level5&6	Ant.4	Left Edge 10mm	0.087	0.300	0.137	0.475	0.202	0.343	0.429	0.022	0.409	0.427	0.311	0.453	0.538
	Level5&6	Ant.4	Bottom Edge10mm	0.447	/	/	/	/	/	/	/	/	/	/	/	/
N38	Level5&6	Ant.3	Front Side 10mm	0.154	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.309	0.361	0.317	0.432	0.455
	Level5&6	Ant.3	Back Side 10mm	0.249	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.537	0.685	0.553	0.677	0.819
	Level5&6	Ant.3	Right Edge 10mm	0.367	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.3	Top Edge 10mm	0.031	0.032	0.215	0.129	0.134	/	0.233	0.010	0.073	0.379	0.175	/	0.274
N38	Level5&6	Ant.4	Front Side 10mm	0.401	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.556	0.608	0.564	0.679	0.702
	Level5&6	Ant.4	Back Side 10mm	0.446	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.734	0.882	0.750	0.874	1.016
	Level5&6	Ant.4	Left Edge 10mm	0.161	0.300	0.137	0.475	0.202	0.343	0.429	0.022	0.483	0.501	0.385	0.527	0.612
	Level5&6	Ant.4	Bottom Edge10mm	0.841	/	/	/	/	/	/	/	/	/	/	/	/
N41	Level5&6	Ant.3	Front Side 10mm	0.193	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.348	0.400	0.356	0.471	0.494
	Level5&6	Ant.3	Back Side 10mm	0.303	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.591	0.739	0.607	0.731	0.873
	Level5&6	Ant.3	Right Edge 10mm	0.427	/	/	/	/	/	/	/	/	/	/	/	/
	Level5&6	Ant.3	Top Edge 10mm	0.043	0.032	0.215	0.129	0.134	/	0.233	0.010	0.085	0.391	0.187	/	0.286
N41	Level5&6	Ant.4	Front Side 10mm	0.360	0.109	0.091	0.183	0.117	0.232	0.255	0.046	0.515	0.567	0.523	0.638	0.661
	Level5&6	Ant.4	Back Side 10mm	0.385	0.229	0.191	0.452	0.245	0.369	0.510	0.060	0.673	0.821	0.689	0.813	0.955

	Level5&6	Ant.4	Left Edge 10mm	0.129	0.300	0.137	0.475	0.202	0.343	0.429	0.022	0.451	0.469	0.353	0.495	0.580
	Level5&6	Ant.4	Bottom Edge10mm	0.671	/	/	/	/	/	/	/	/	/	/	/	/

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

12.3.10 Specific Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN 2.4G and WLAN 5G

Band	Power Reduction	Antenna	Position	Stand alone SAR								SUM SAR				
				1	2	3	4	5	6	7	8					
				WWAN	2.4GWIFI	2.4GWIFI	2.4GWIFI	5GWIFI Max	5GWIFI Max	5GWIFI Max	Bluetooth	WWAN+2.4G WIFI Ant.6 +BT	WWAN+2.4G WIFI Ant.9 +5G WIFI Ant.8	WWAN+5G WIFI Ant.8+BT	WWAN+5G WIFI Ant.11+BT	WWAN+5G WIFI Ant.MIMO+BT
					Ant.6	Ant.9	Ant.6&9	Ant.8	Ant.11	Ant.8&11	Ant.9	(1+2+8)	(1+3+5)	(1+5+8)	(1+6+8)	(1+7+8)
LTE B38	Level5&6	Ant.3	Right Edge 0mm	1.550	/	/	/	/	/	/	/	/	/	/	/	/

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 1.550 W/Kg < 4.0 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: 7607	2021/08/12	2022/08/11
Data Acquisition Electronics	Speag	DAE4	SN: 1454	2021/11/05	2022/11/04
Signal Generator	R&S	SMB100A	177746	2021/08/24	2022/08/23
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2021/09/08	2022/09/07
Power Sensor	R&S	NRV-Z4	100381	2021/09/08	2022/09/07
Power Sensor	R&S	NRV-Z2	100211	2021/09/08	2022/09/07
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2021/01/04	2023/01/03
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2021/01/04	2023/01/03
Network Analyzer	Agilent	E5071C	MY46103472	2021/12/29	2022/12/28
Thermometer	Elitech	RC-4HC	EF720B004820	2021/12/01	2022/11/30
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	SATIMO	SCLMP	SN 25/13 OCPG56	N/A	N/A
Phantom1	Speag	SAM	SN: 1859	N/A	N/A
Phantom2	Speag	SAM	SN: 1857	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

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

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

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

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

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2022.03.09	Head	750	21.7	0.89	42.55	0.89	41.94	0.00	1.45
2022.03.10	Head	750	21.5	0.89	42.57	0.89	41.94	0.00	1.50
2022.03.11	Head	835	21.8	0.88	41.14	0.90	41.50	-2.22	-0.87
2022.03.12	Head	835	21.8	0.90	40.88	0.90	41.50	0.00	-1.49
2022.03.13	Head	835	21.6	0.88	42.73	0.90	41.50	-2.22	2.96
2022.03.14	Head	835	21.4	0.89	42.09	0.90	41.50	-1.11	1.42
2022.03.15	Head	835	21.7	0.88	41.82	0.90	41.50	-2.22	0.77
2022.03.16	Head	835	21.8	0.88	41.07	0.90	41.50	-2.22	-1.04
2022.03.17	Head	835	21.4	0.91	41.83	0.90	41.50	1.11	0.80
2022.03.18	Head	1750	21.6	1.33	40.54	1.37	40.08	-2.92	1.15
2022.03.19	Head	1750	21.5	1.34	40.44	1.37	40.08	-2.19	0.90
2022.03.20	Head	1900	21.7	1.38	40.35	1.40	40.00	-1.43	0.88
2022.03.21	Head	1900	21.4	1.42	40.32	1.40	40.00	1.43	0.80
2022.03.22	Head	1900	21.3	1.38	41.07	1.40	40.00	-1.43	2.68
2022.03.23	Head	1900	21.9	1.39	40.58	1.40	40.00	-0.71	1.45
2022.03.24	Head	2450	21.6	1.75	39.54	1.80	39.20	-2.78	0.87
2022.03.25	Head	2450	21.9	1.80	39.62	1.80	39.20	0.00	1.07
2022.03.26	Head	2600	21.2	2.01	39.63	1.96	39.01	2.55	1.59
2022.03.27	Head	2600	21.8	2.02	39.15	1.96	39.01	3.06	0.36
2022.03.28	Head	2600	21.4	1.93	38.70	1.96	39.01	-1.53	-0.79
2022.03.29	Head	2600	21.5	1.94	38.16	1.96	39.01	-1.02	-2.18
2022.03.30	Head	2600	21.6	1.97	39.34	1.96	39.01	0.51	0.85
2022.03.31	Head	2600	21.7	1.98	38.71	1.96	39.01	1.02	-0.77
2022.04.01	Head	2600	21.5	2.00	37.64	1.96	39.01	2.04	-3.51
2022.04.02	Head	2600	21.2	1.98	39.69	1.96	39.01	1.02	1.74
2022.04.03	Head	2600	21.2	2.01	38.79	1.96	39.01	2.55	-0.56
2022.04.04	Head	2600	21.6	2.00	39.77	1.96	39.01	2.04	1.95
2022.04.05	Head	5250	21.8	4.71	35.58	4.76	35.87	-1.05	-0.81
2022.04.08	Head	5250	22.1	4.71	35.45	4.76	35.87	-1.05	-1.17
2022.04.06	Head	5600	21.9	5.09	35.81	5.07	35.53	0.39	0.79
2022.04.07	Head	5750	21.9	5.24	35.47	5.27	35.30	-0.57	0.48

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

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2022.03.09	Head	750	100	0.831	8.31	8.29	0.24
2022.03.10	Head	750	100	0.862	8.62	8.29	3.98
2022.03.11	Head	835	100	0.951	9.51	9.76	-2.56
2022.03.12	Head	835	100	0.992	9.92	9.76	1.64
2022.03.13	Head	835	100	0.994	9.94	9.76	1.84
2022.03.14	Head	835	100	0.931	9.31	9.76	-4.61
2022.03.15	Head	835	100	0.981	9.81	9.76	0.51
2022.03.16	Head	835	100	0.986	9.86	9.76	1.02
2022.03.17	Head	835	100	0.945	9.45	9.76	-3.18
2022.03.18	Head	1750	100	3.700	37.00	36.70	0.82
2022.03.19	Head	1750	100	3.690	36.90	36.70	0.54
2022.03.20	Head	1900	100	4.150	41.50	40.30	2.98
2022.03.21	Head	1900	100	3.990	39.90	40.30	-0.99
2022.03.22	Head	1900	100	4.090	40.90	40.30	1.49
2022.03.23	Head	1900	100	3.950	39.50	40.30	-1.99
2022.03.24	Head	2450	100	5.340	53.40	53.00	0.75
2022.03.25	Head	2450	100	5.210	52.10	53.00	-1.70
2022.03.26	Head	2600	100	5.510	55.10	56.80	-2.99
2022.03.27	Head	2600	100	5.450	54.50	56.80	-4.05
2022.03.28	Head	2600	100	5.690	56.90	56.80	0.18
2022.03.29	Head	2600	100	5.580	55.80	56.80	-1.76
2022.03.30	Head	2600	100	5.530	55.30	56.80	-2.64
2022.03.31	Head	2600	100	5.460	54.60	56.80	-3.87
2022.04.01	Head	2600	100	5.680	56.80	56.80	0.00
2022.04.02	Head	2600	100	5.480	54.80	56.80	-3.52
2022.04.03	Head	2600	100	5.280	52.80	56.80	-7.04
2022.04.04	Head	2600	100	5.320	53.20	56.80	-6.34
2022.04.05	Head	5250	100	7.430	74.30	77.80	-4.50
2022.04.08	Head	5250	100	7.810	78.10	77.80	0.39
2022.04.06	Head	5600	100	8.160	81.60	81.20	0.49
2022.04.07	Head	5750	100	7.710	77.10	77.20	-0.13
Note: The tolerance limit of System validation $\pm 10\%$.							

System Performance Check Data (750MHz Head)

System Check: Head 750 MHz

Date: 2022.03.09

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

Medium parameters used: $f = 750$ MHz; $\sigma = 0.888$ S/m; $\epsilon_r = 42.548$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.73, 10.73, 10.73); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 750 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.904 W/kg

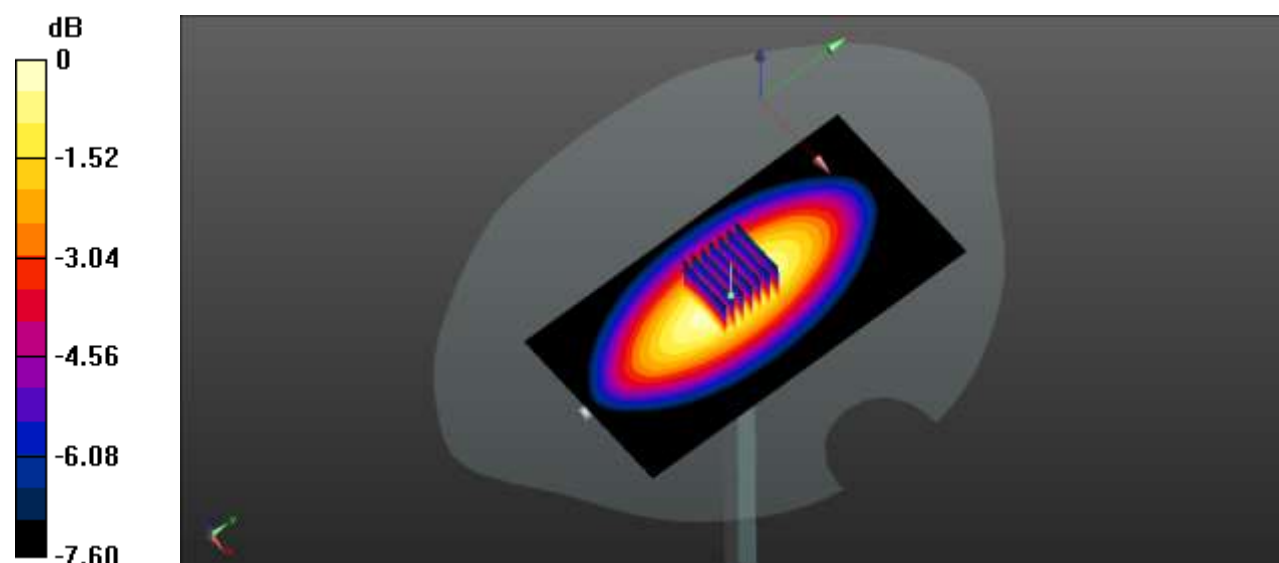
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.16 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.506 W/kg

Maximum value of SAR (measured) = 0.914 W/kg



0 dB = 0.914 W/kg

System Performance Check Data (750MHz Head)

System Check: Head 750 MHz

Date: 2022.03.10

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

Medium parameters used (extrapolated): $f = 750 \text{ MHz}$; $\sigma = 0.893 \text{ S/m}$; $\epsilon_r = 42.566$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.73, 10.73, 10.73); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

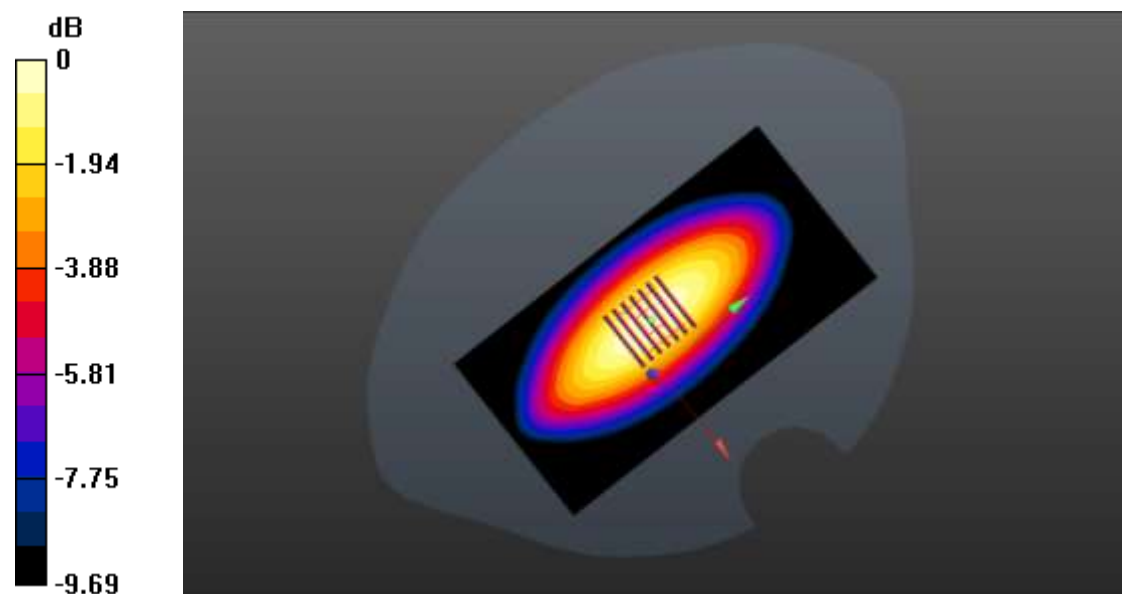
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 30.95 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.536 W/kg

Maximum value of SAR (measured) = 0.915 W/kg



0 dB = 0.915 W/kg

System Performance Check Data (835MHz Head)

System Check: Head 835 MHz

Date: 2022.03.11

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.875$ S/m; $\epsilon_r = 41.142$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.963 W/kg

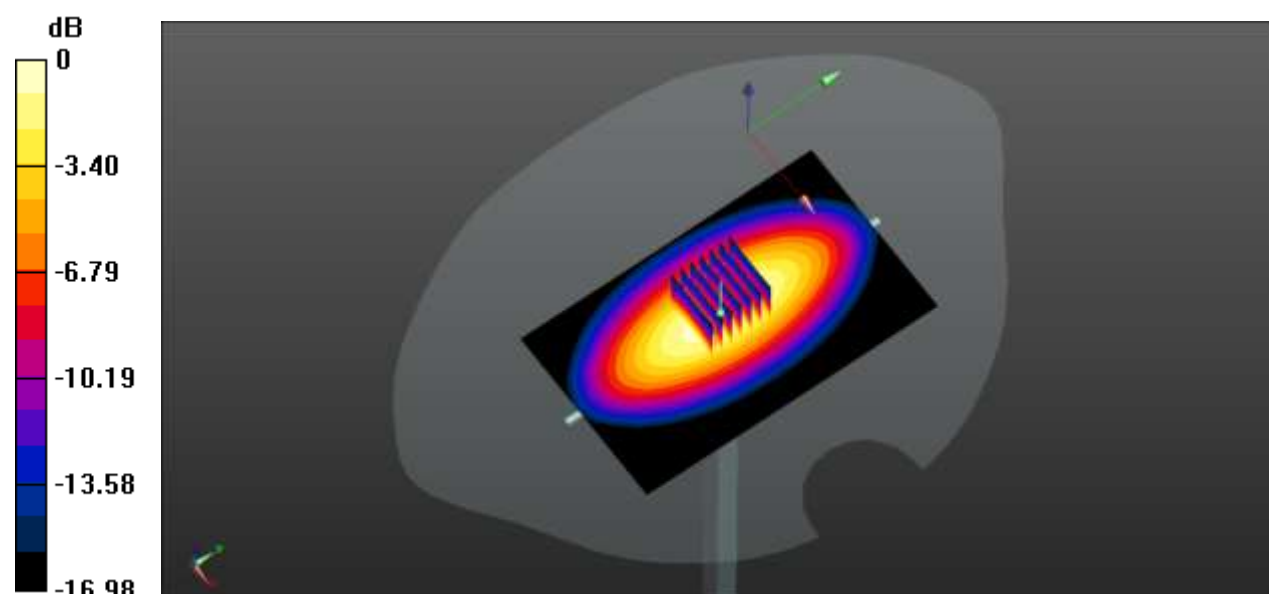
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.47 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.951 W/kg; SAR(10 g) = 0.624 W/kg

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



0 dB = 0.936 W/kg

System Performance Check Data (835MHz Body)

System Check: Head 835 MHz

Date: 2022.03.12

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.883$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.988 W/kg

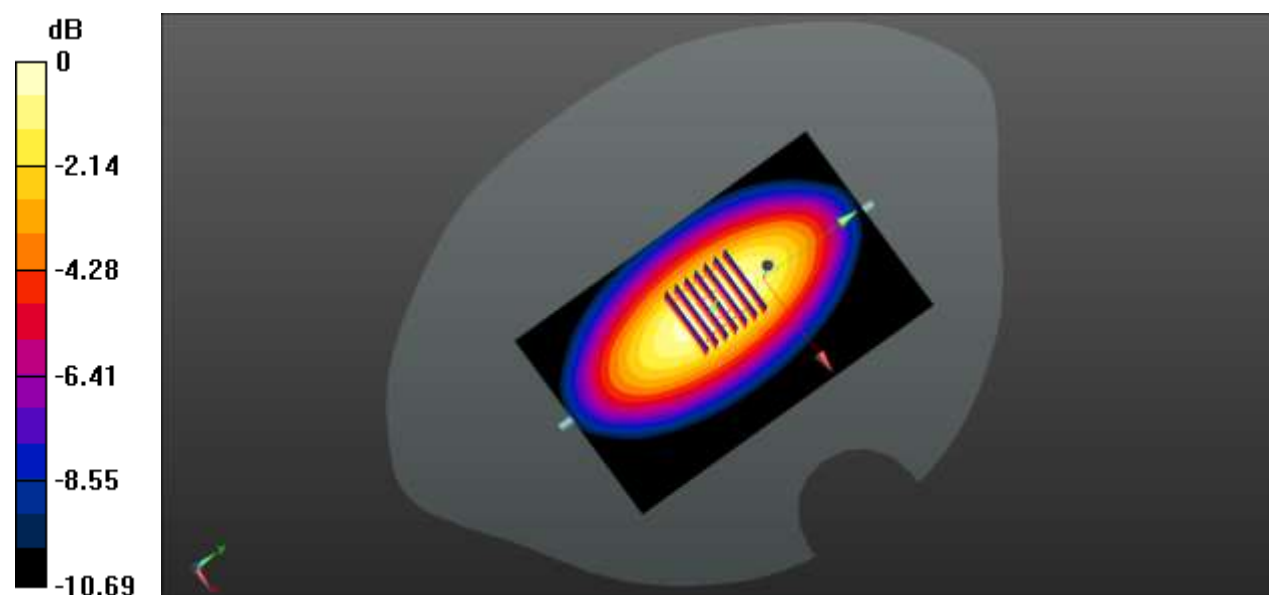
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 32.23 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.992 W/kg; SAR(10 g) = 0.641 W/kg

Maximum value of SAR (measured) = 0.968 W/kg



0 dB = 0.968 W/kg

System Performance Check Data (835MHz Body)

System Check: Head 835 MHz

Date: 2022.03.13

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.883 \text{ S/m}$; $\epsilon_r = 42.732$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.2 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.967 W/kg

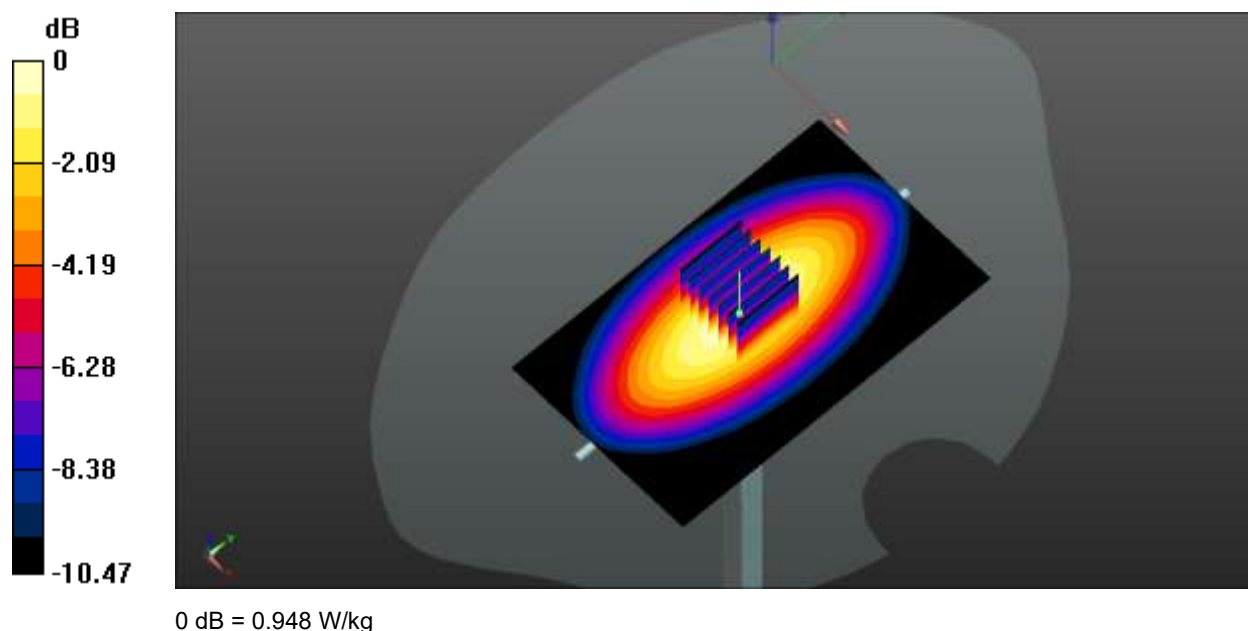
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 30.05 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.994 W/kg; SAR(10 g) = 0.642 W/kg

Maximum value of SAR (measured) = 0.948 W/kg



System Performance Check Data (835MHz Body)

System Check: Head 835 MHz

Date: 2022.03.14

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 42.094$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.971 W/kg

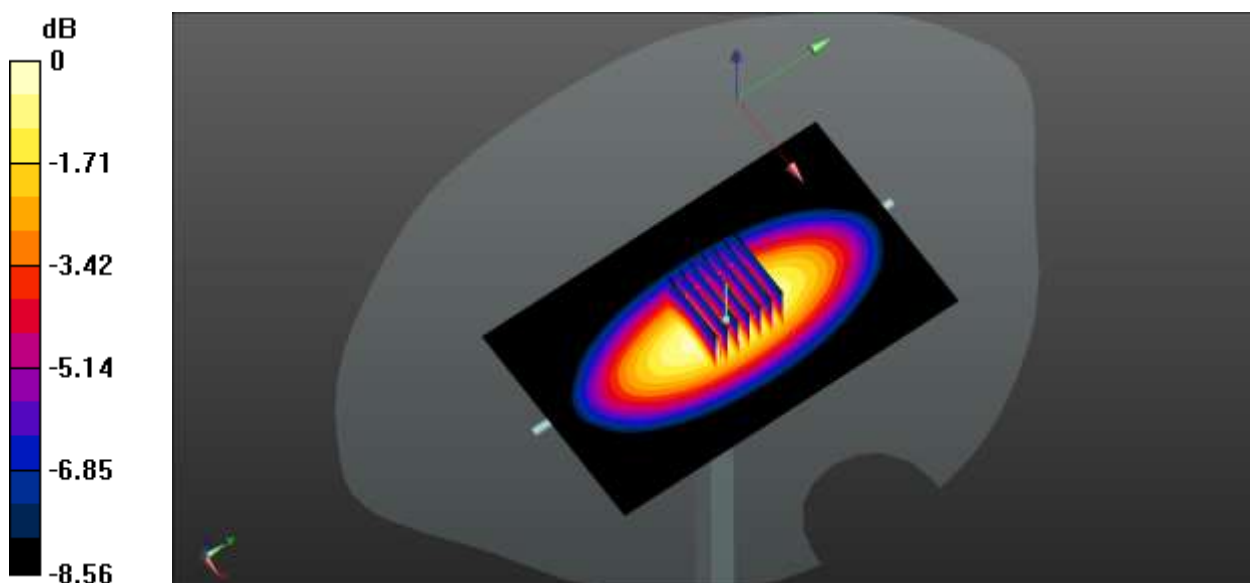
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 30.94 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.931 W/kg; SAR(10 g) = 0.604 W/kg

Maximum value of SAR (measured) = 0.969 W/kg



0 dB = 0.969 W/kg

System Performance Check Data (835MHz Body)

System Check: Head 835MHz

Date: 2022.03.15

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.877 \text{ S/m}$; $\epsilon_r = 41.815$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

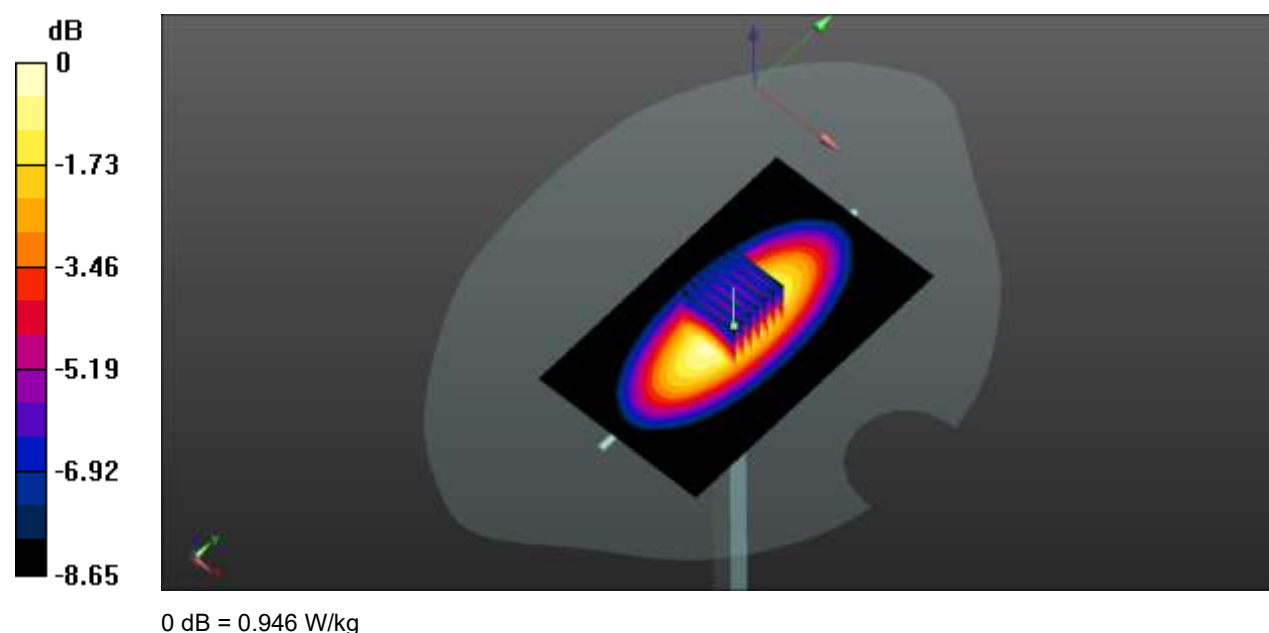
CW835 HEAD 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.9 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.981 W/kg; SAR(10 g) = 0.607 W/kg

Maximum value of SAR (measured) = 0.946 W/kg



System Performance Check Data (835MHz Head)

System Check: Head 835MHz

Date: 2022.03.16

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.883 \text{ S/m}$; $\epsilon_r = 41.068$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

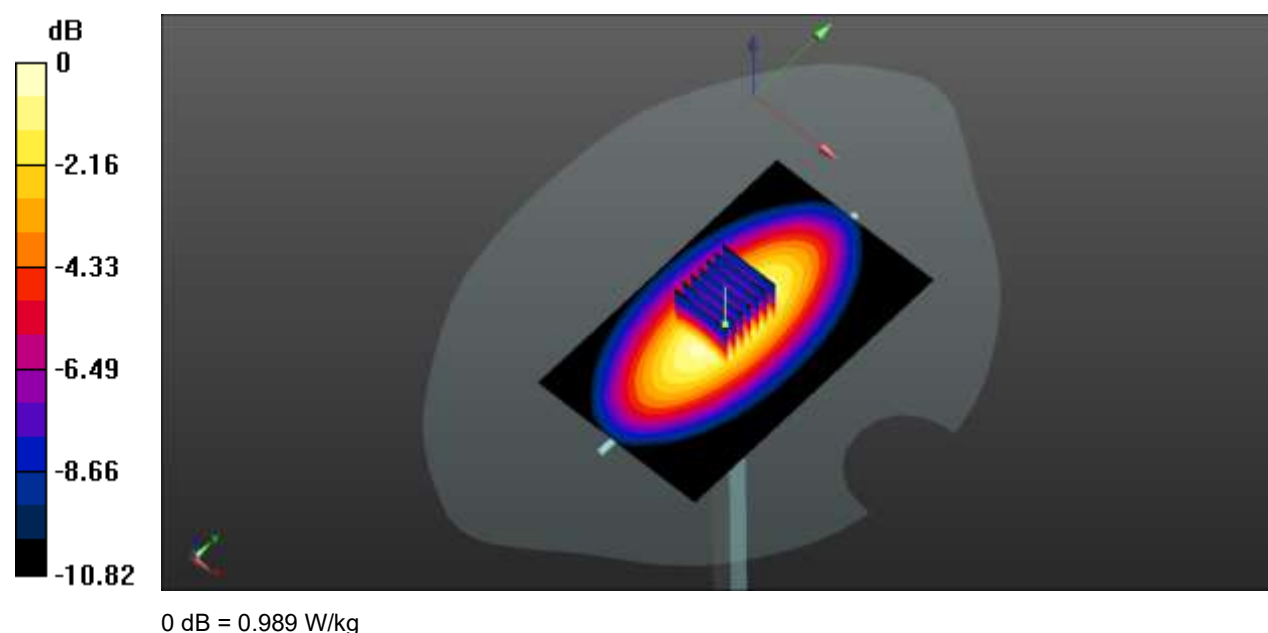
CW835 HEAD 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.21 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.986 W/kg; SAR(10 g) = 0.625 W/kg

Maximum value of SAR (measured) = 0.989 W/kg



System Performance Check Data (835MHz Head)

System Check: Head 835 MHz

Date: 2022.03.17

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 41.833$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.983 W/kg

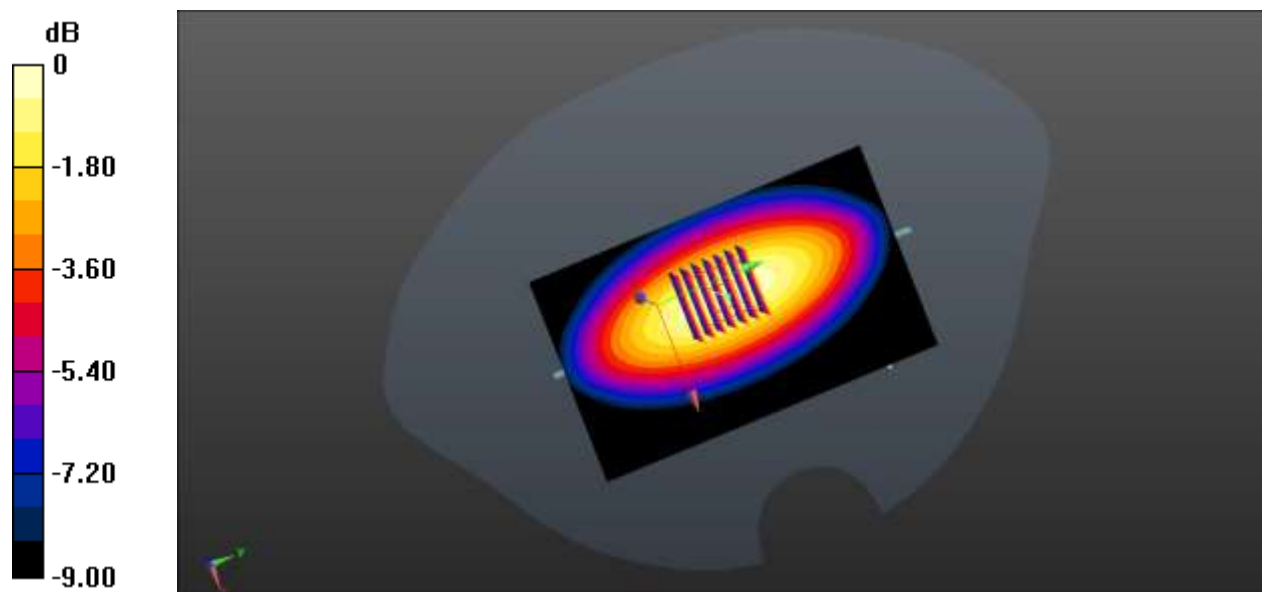
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.34 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.945 W/kg; SAR(10 g) = 0.647 W/kg

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



System Performance Check Data (1750MHz Head)

System Check: Head 1750 MHz

Date: 2022.03.18

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

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.334$ S/m; $\epsilon_r = 40.535$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.54, 8.54, 8.54); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 4.42 W/kg

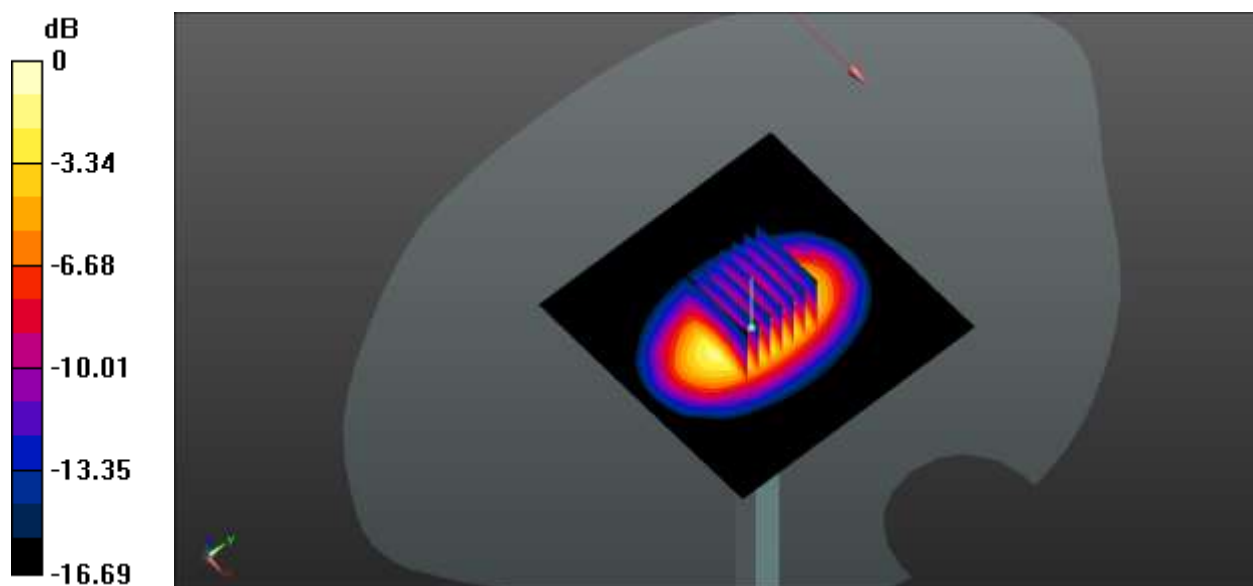
CW1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 55.11 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.14 W/kg

SAR(1 g) = 3.7 W/kg; SAR(10 g) = 1.91 W/kg

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



0 dB = 4.21 W/kg

System Performance Check Data (1750MHz Head)

System Check: Head 1750 MHz

Date: 2022.03.19

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.344$ S/m; $\epsilon_r = 40.438$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.54, 8.54, 8.54); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 4.28 W/kg

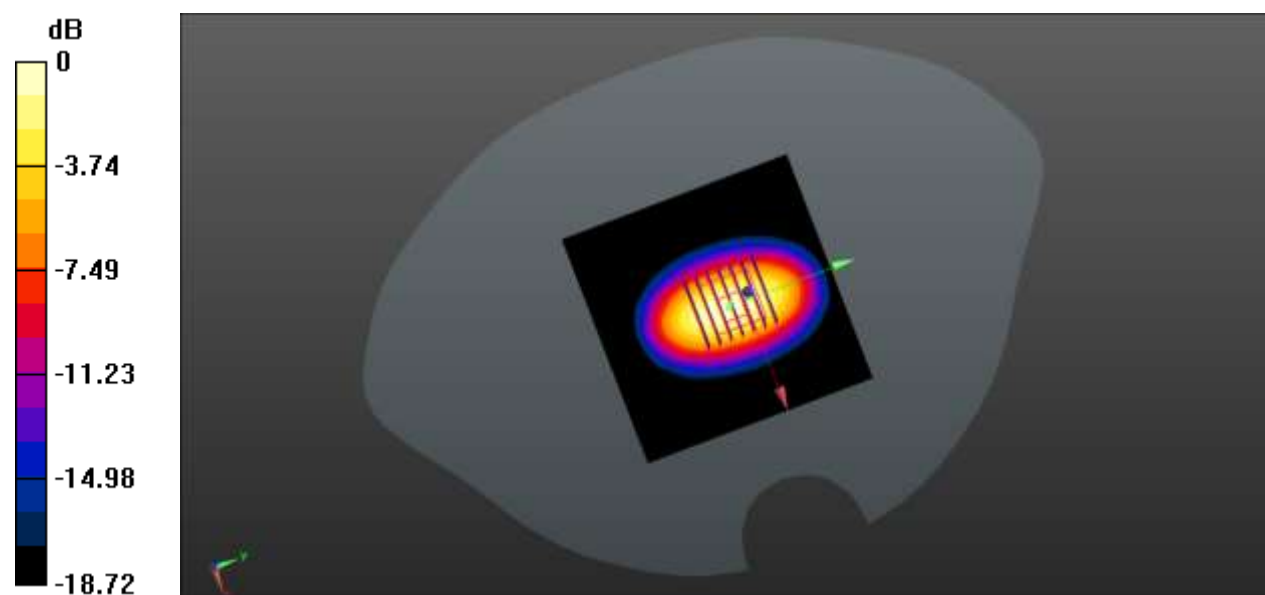
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.95 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.52 W/kg

SAR(1 g) = 3.69 W/kg; SAR(10 g) = 1.95 W/kg

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



0 dB = 4.08 W/kg

System Performance Check Data (1900MHz Head)

System Check: Head 1900 MHz

Date: 2022.03.20

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 40.354$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 4.38 W/kg

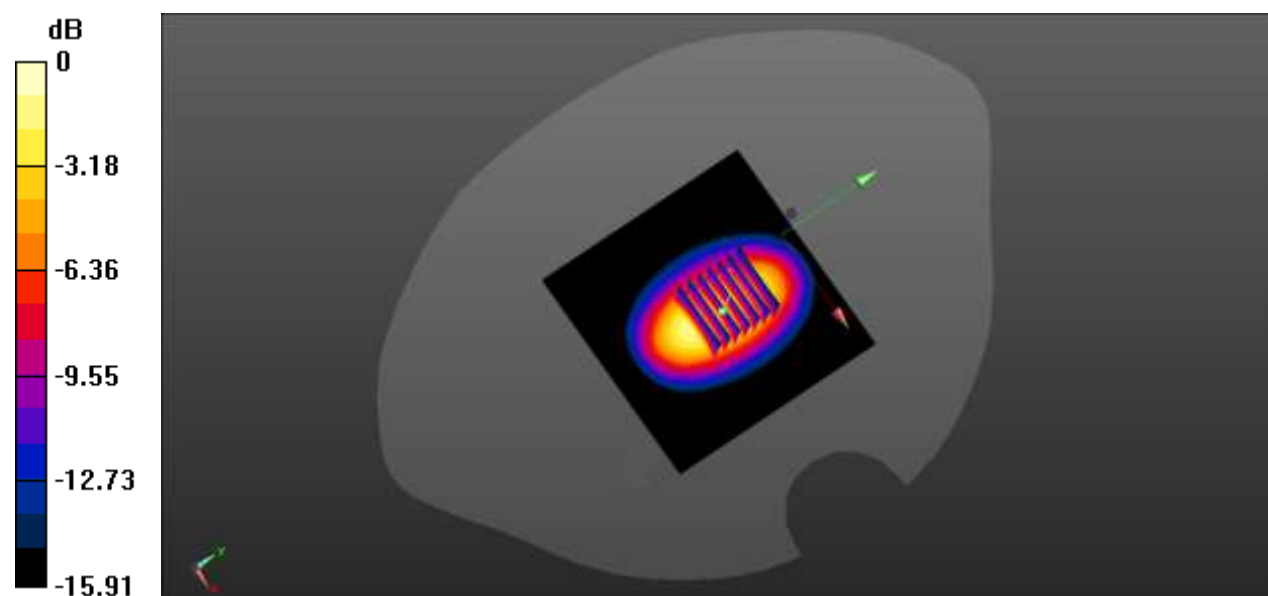
CW 1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.95 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 7.01 W/kg

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

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



0 dB = 4.51 W/kg

System Performance Check Data (1900MHz Head)

System Check: Head 1900 MHz

Date: 2022.03.21

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.415$ S/m; $\epsilon_r = 40.318$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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

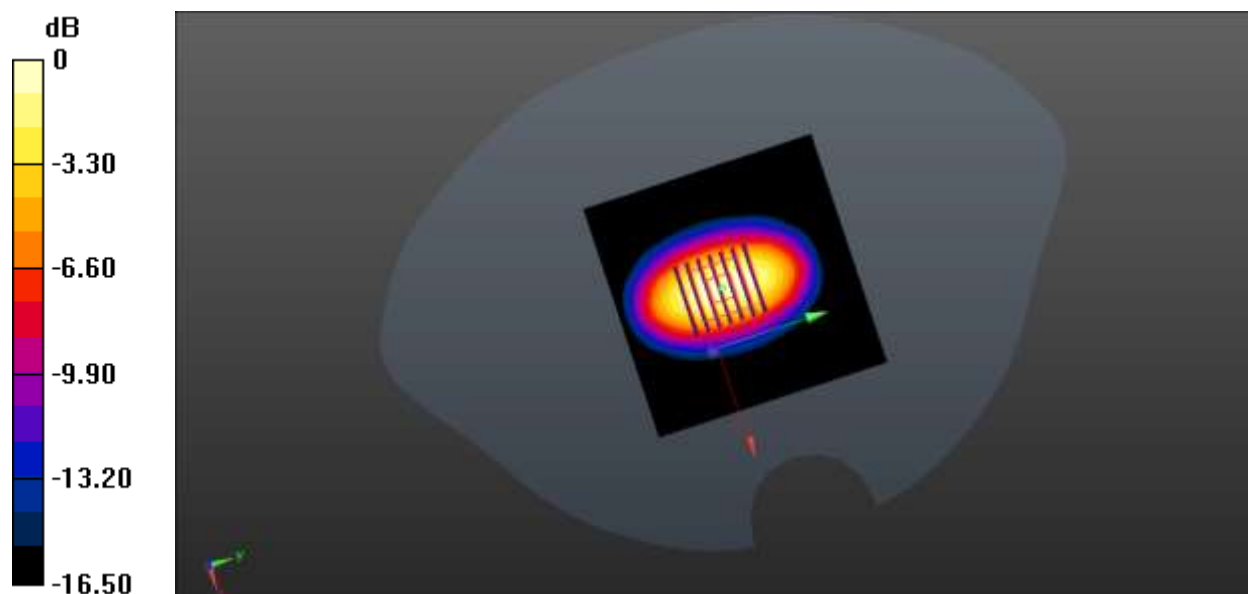
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.76 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 7.32 W/kg

SAR(1 g) = 3.99 W/kg; SAR(10 g) = 2.04 W/kg

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



0 dB = 4.32 W/kg

System Performance Check Data (1900MHz Head)

System Check: Head 1900MHz

Date: 2022.03.22

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 41.07$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

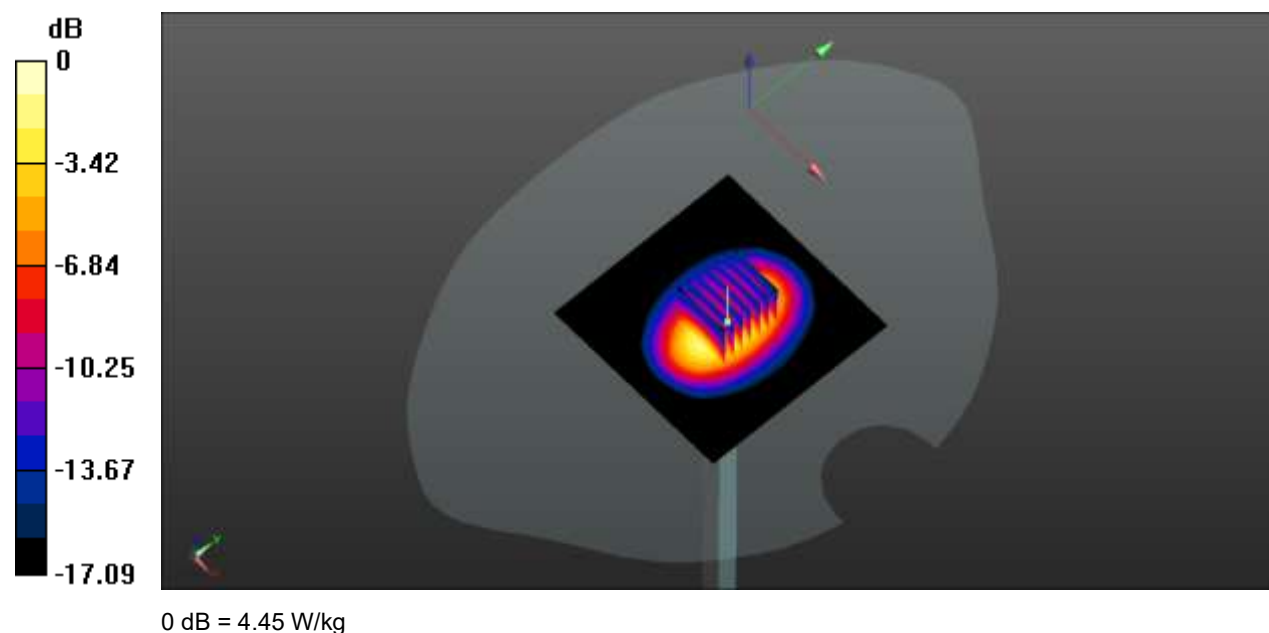
CW1900 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 7.21 W/kg

SAR(1 g) = 4.09 W/kg; SAR(10 g) = 2.07 W/kg

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



System Performance Check Data (1900MHz Body)

System Check: Head 1900 MHz

Date: 2022.03.23

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.393$ S/m; $\epsilon_r = 40.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 4.31 W/kg

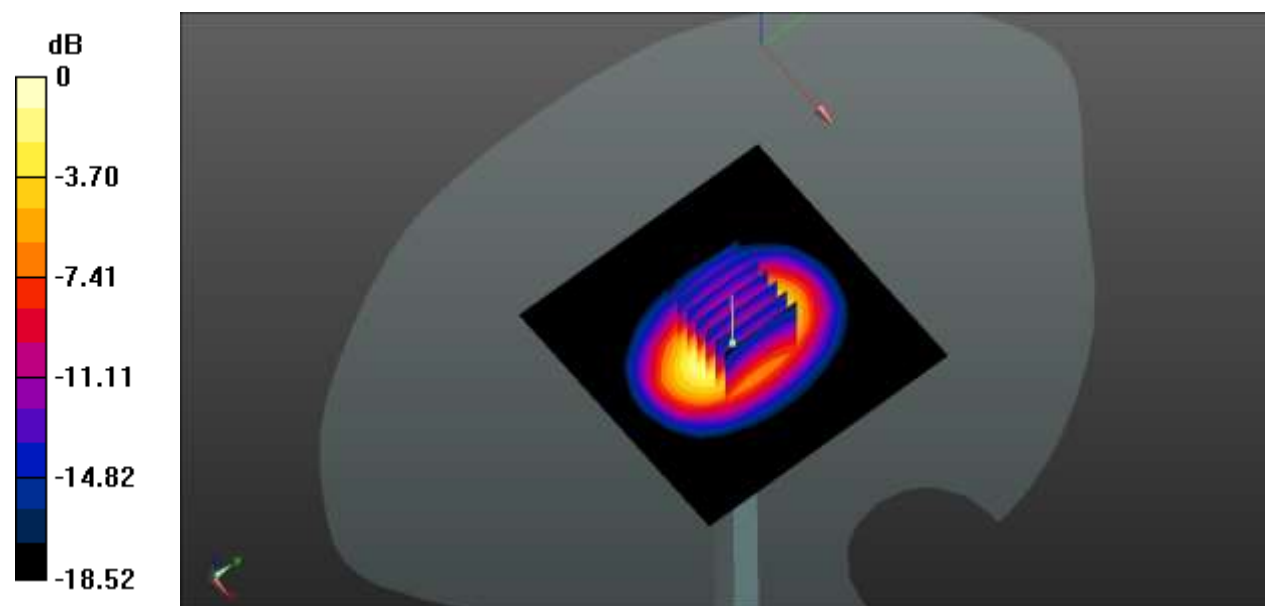
CW 1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.24 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 7.43 W/kg

SAR(1 g) = 3.95 W/kg; SAR(10 g) = 2.02 W/kg

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



0 dB = 4.11 W/kg

System Performance Check Data (2450MHz Head)

System Check: Head 2450 MHz

Date: 2022.03.24

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.748$ S/m; $\epsilon_r = 39.54$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

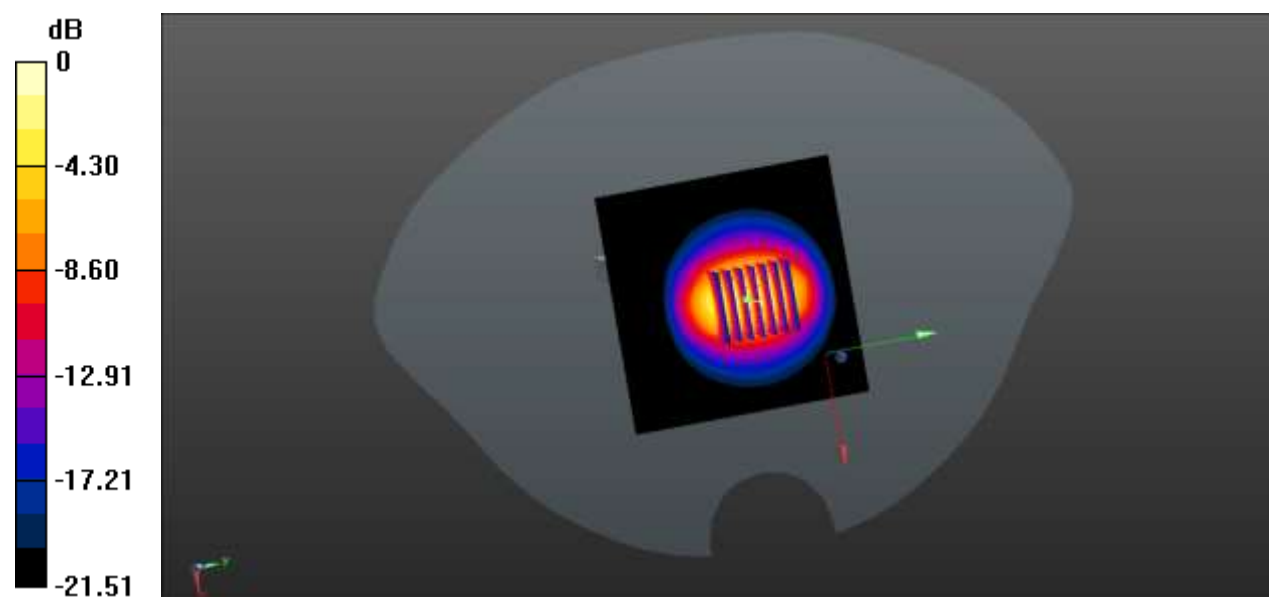
CW 2450 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.53 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 10.8 W/kg

SAR(1 g) = 5.34 W/kg; SAR(10 g) = 2.414 W/kg

Maximum value of SAR (measured) = 6.02 W/kg



0 dB = 6.02 W/kg

System Performance Check Data (2450MHz Body)

System Check: Head 2450 MHz

Date: 2022.03.25

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.8$ S/m; $\epsilon_r = 39.619$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

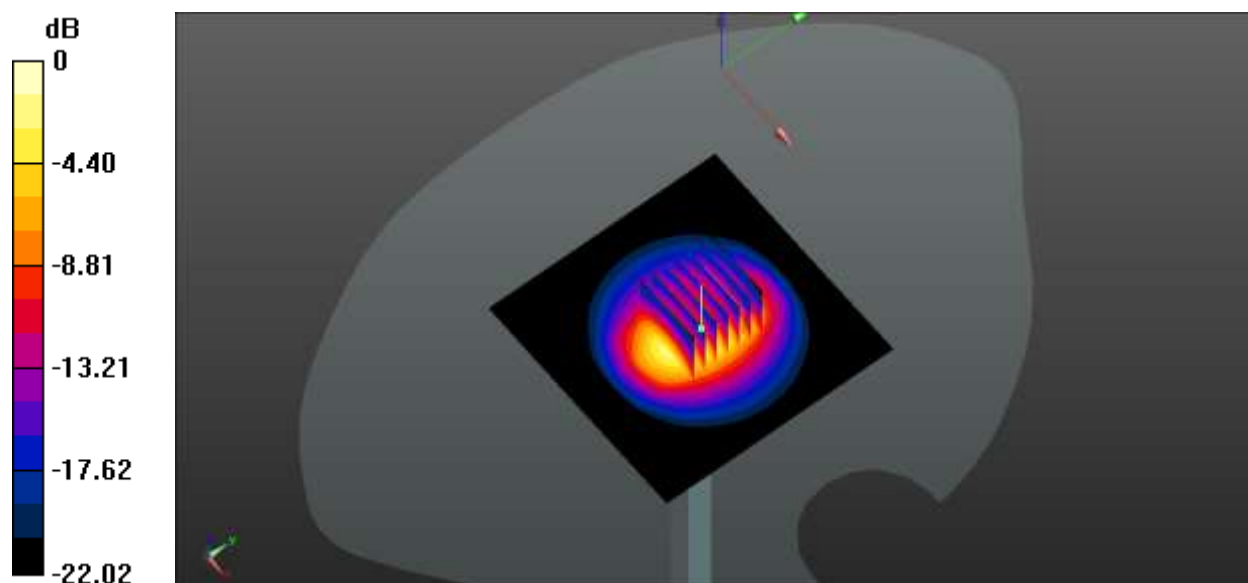
CW 2450 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.27 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 11.0 W/kg

SAR(1 g) = 5.21 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 5.95 W/kg



0 dB = 5.95 W/kg

System Performance Check Data (2600MHz Head)

System Check:Head 2600 MHz

Date: 2022.03.26

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 2.005$ S/m; $\epsilon_r = 39.627$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

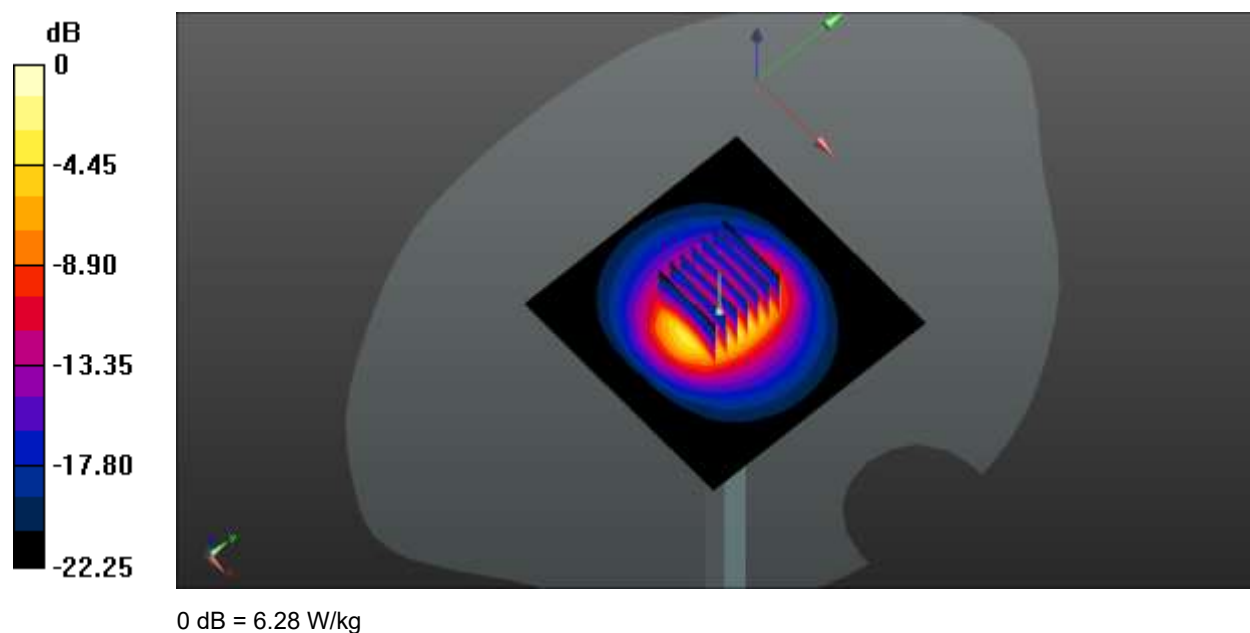
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.28 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 12.9 W/kg

SAR(1 g) = 5.51 W/kg; SAR(10 g) = 2.39 W/kg

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



System Performance Check Data (2600MHz Body)

System Check: Head 2600 MHz

Date: 2022.03.27

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 2.023$ S/m; $\epsilon_r = 39.154$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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

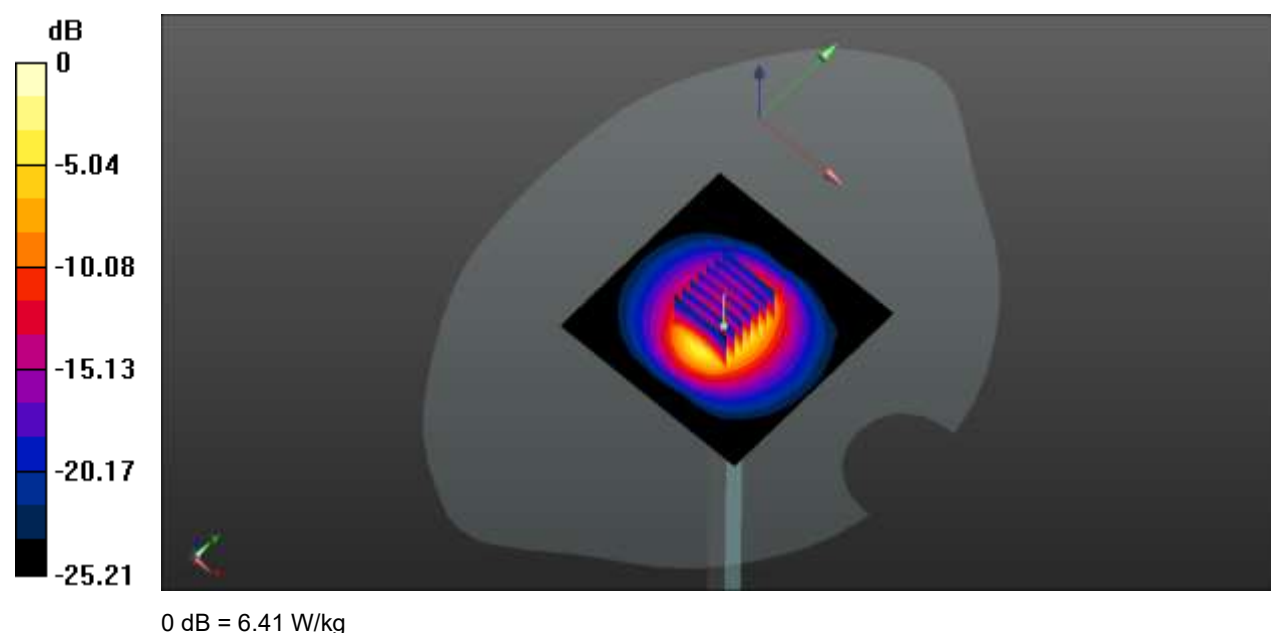
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.45 W/kg; SAR(10 g) = 2.51 W/kg

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



System Performance Check Data (2600MHz Body)

System Check: Head 2600 MHz

Date: 2022.03.28

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.926$ S/m; $\epsilon_r = 38.696$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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

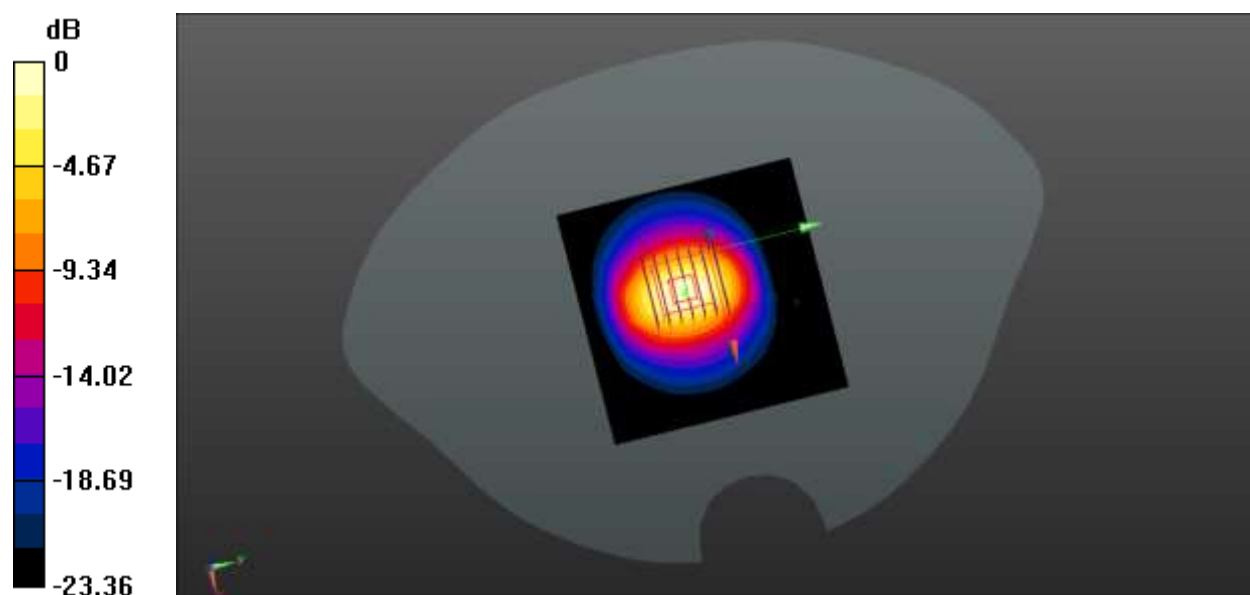
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 5.69 W/kg; SAR(10 g) = 2.55 W/kg

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



0 dB = 6.48 W/kg

System Performance Check Data (2600MHz Body)

System Check: Head 2600 MHz

Date: 2022.03.29

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.942$ S/m; $\epsilon_r = 38.157$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

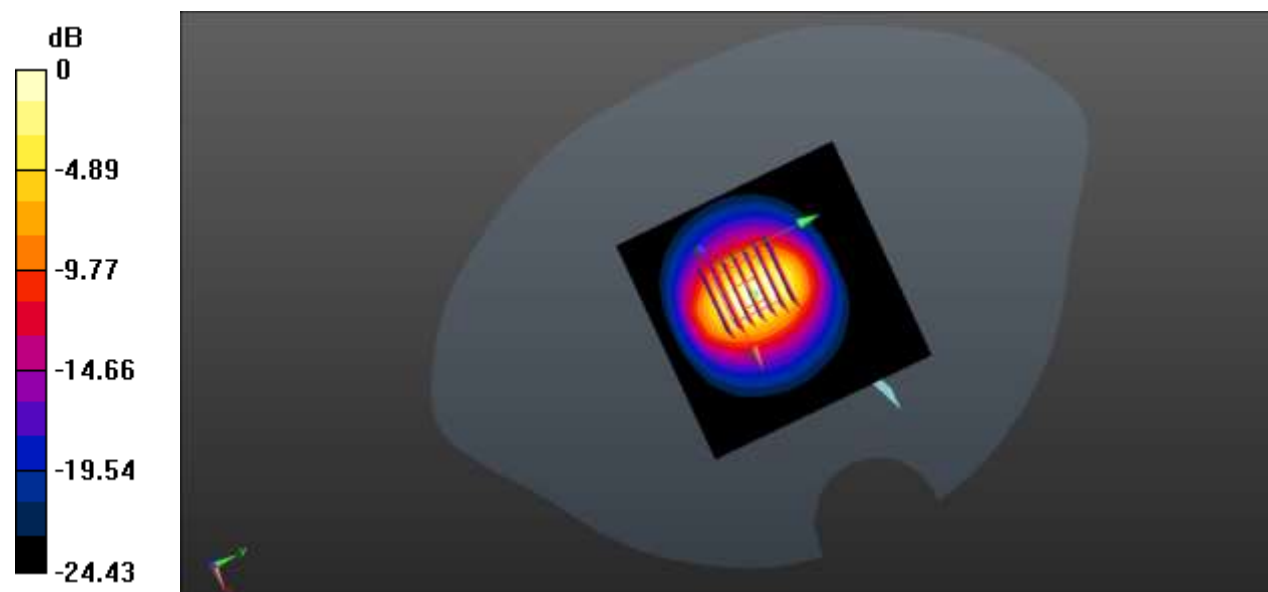
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.11 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 5.58 W/kg; SAR(10 g) = 2.49 W/kg

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



0 dB = 5.78 W/kg

System Performance Check Data (2600MHz Body)

System Check: Head 2600 MHz

Date: 2022.03.30

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.967$ S/m; $\epsilon_r = 39.339$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 6.11 W/kg

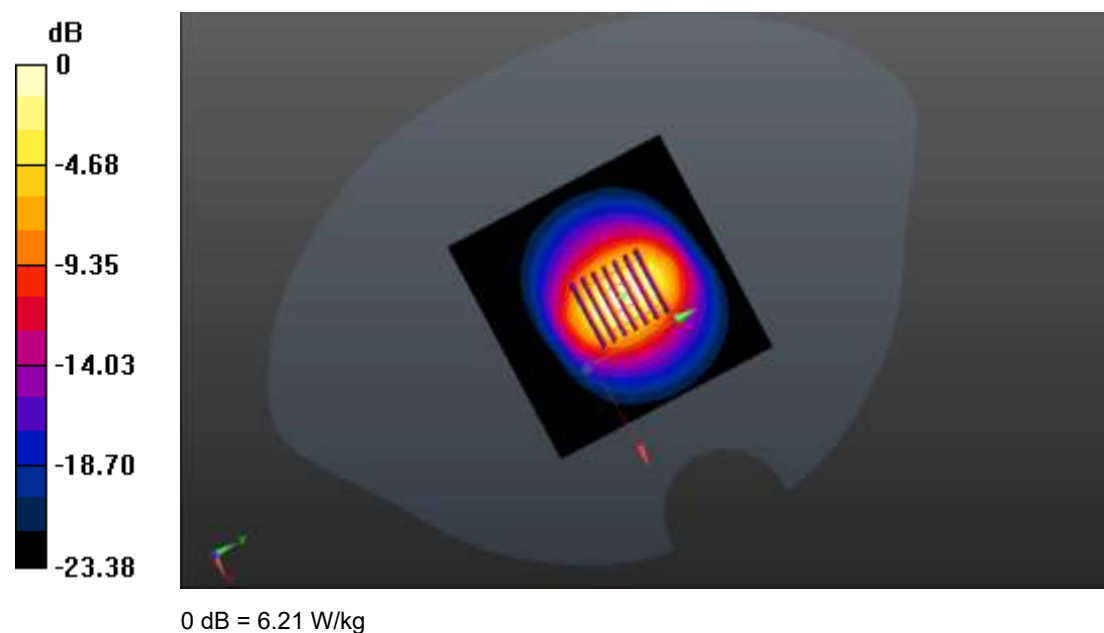
CW 2600 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.11 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 5.53 W/kg; SAR(10 g) = 2.43 W/kg

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



System Performance Check Data (2600MHz Body)

System Check: Head 2600 MHz

Date: 2022.03.31

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.975$ S/m; $\epsilon_r = 38.713$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

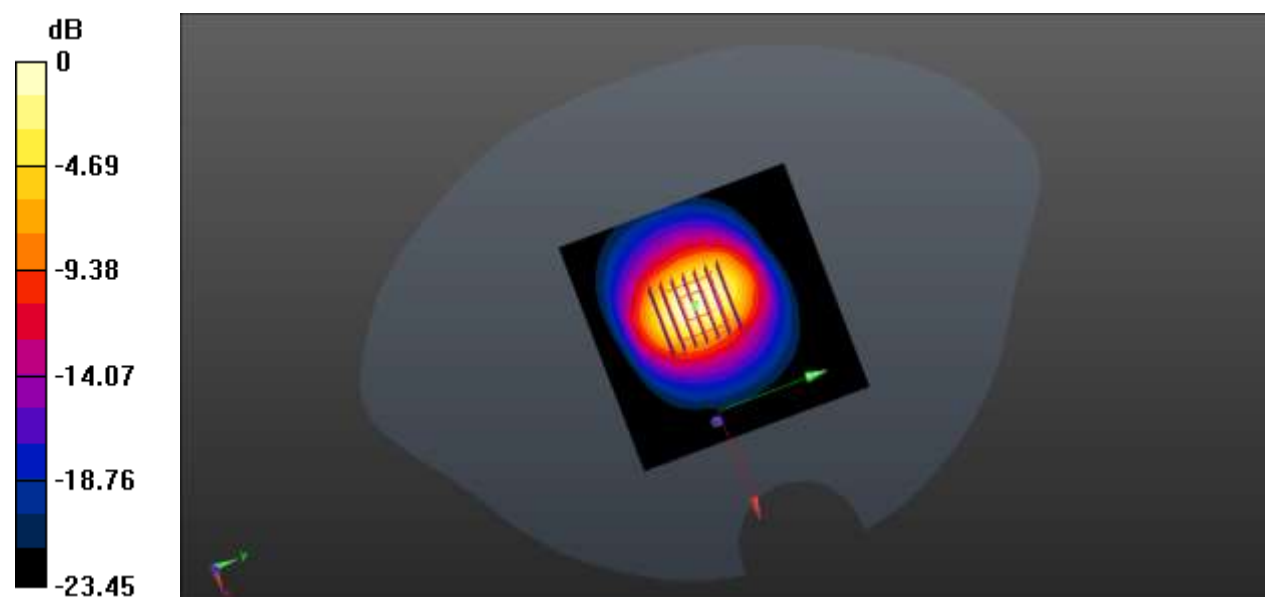
CW 2600 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.02 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 5.46 W/kg; SAR(10 g) = 2.39 W/kg

Maximum value of SAR (measured) = 6.17 W/kg



0 dB = 6.17 W/kg

System Performance Check Data (2600MHz Body)

System Check: Head 2600 MHz

Date: 2022.04.01

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2$ S/m; $\epsilon_r = 37.642$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 6.25 W/kg

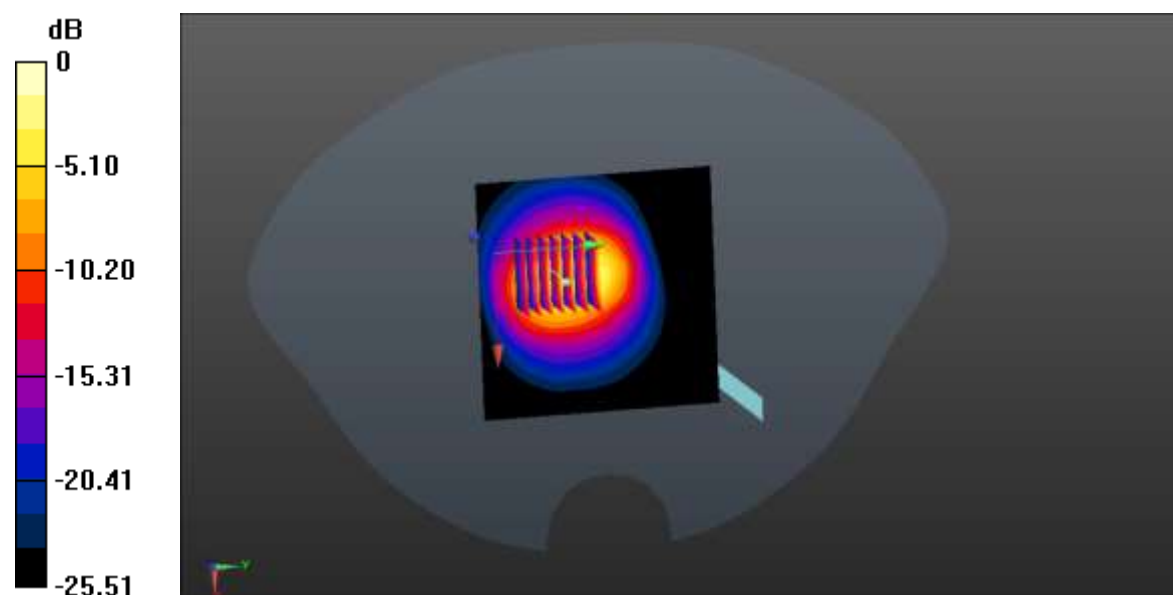
CW 2600 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.94 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 12.3 W/kg

SAR(1 g) = 5.68 W/kg; SAR(10 g) = 2.51 W/kg

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



0 dB = 6.28 W/kg

System Performance Check Data (2600MHz Body)

System Check: Head 2600 MHz

Date: 2022.04.02

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.98$ S/m; $\epsilon_r = 39.692$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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

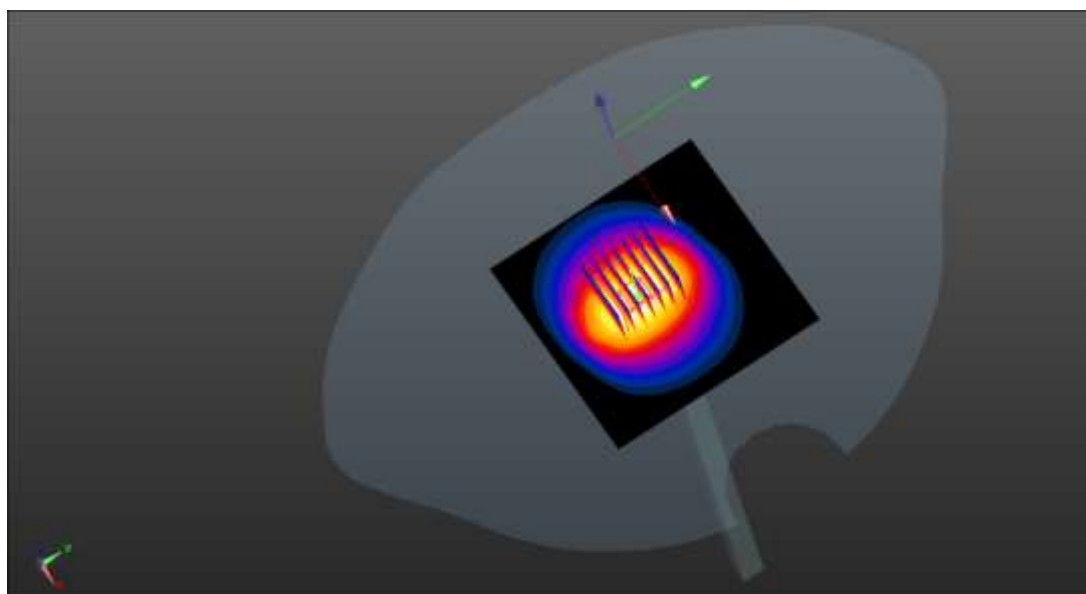
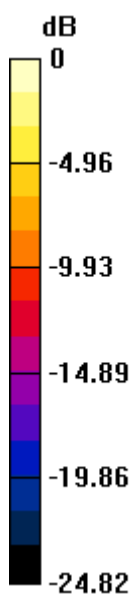
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 13.2 W/kg

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

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



0 dB = 6.36 W/kg

System Performance Check Data (2600MHz Body)

System Check: Head 2600 MHz

Date: 2022.04.03

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 2.006$ S/m; $\epsilon_r = 38.788$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

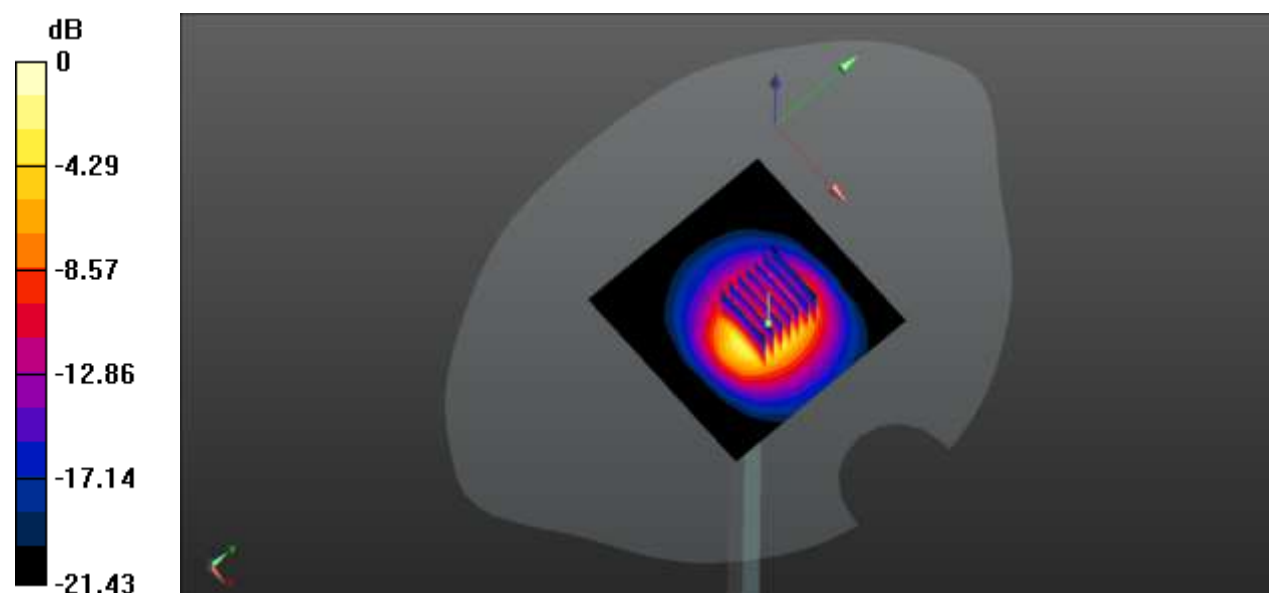
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 5.28 W/kg; SAR(10 g) = 2.37 W/kg

Maximum value of SAR (measured) = 6.31 W/kg



0 dB = 6.31 W/kg

System Performance Check Data (2600MHz Body)

System Check: Head 2600 MHz

Date: 2022.04.04

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 2.003$ S/m; $\epsilon_r = 39.769$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

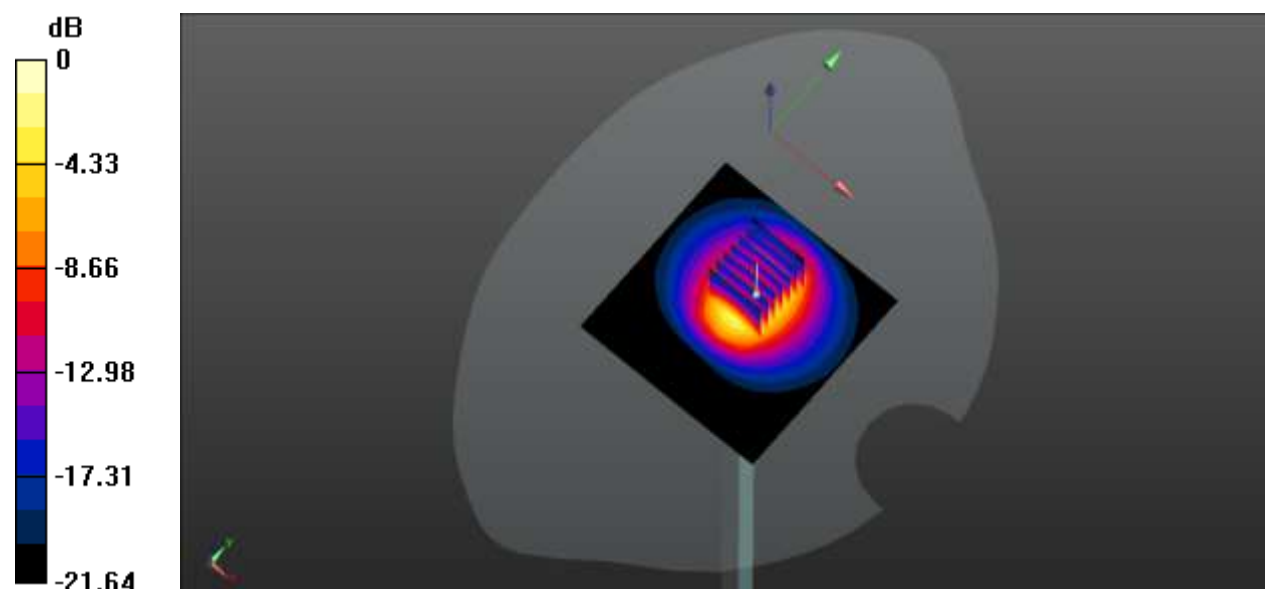
CW 2600 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 5.32 W/kg; SAR(10 g) = 2.38 W/kg

Maximum value of SAR (measured) = 6.05 W/kg



0 dB = 6.05 W/kg

System Performance Check Data (5250MHz Body)

System Check: Head 5250 MHz

Date: 2022.04.05

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.706$ S/m; $\epsilon_r = 35.583$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

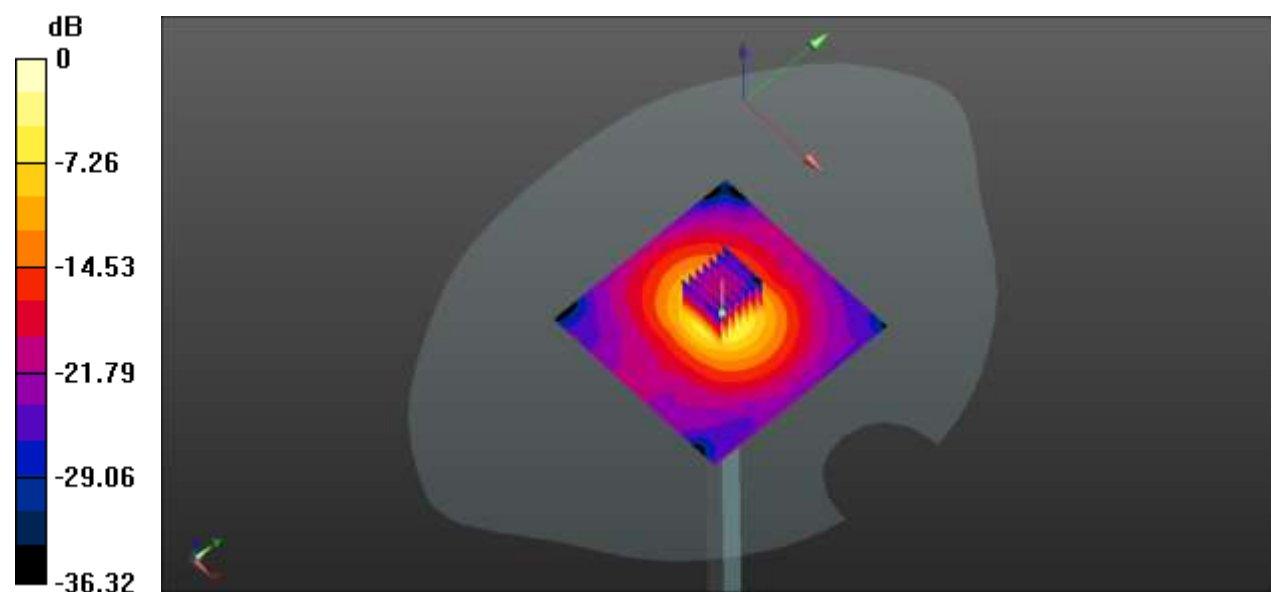
CW 5250 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

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

Peak SAR (extrapolated) = 31.9 W/kg

SAR(1 g) = 7.43 W/kg; SAR(10 g) = 2.08 W/kg

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



0 dB = 18.5 W/kg

System Performance Check Data (5250MHz Body)

System Check: Head 5250 MHz

Date: 2022.04.08

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.712$ S/m; $\epsilon_r = 35.454$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.9 Liquid Temperature: 22.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

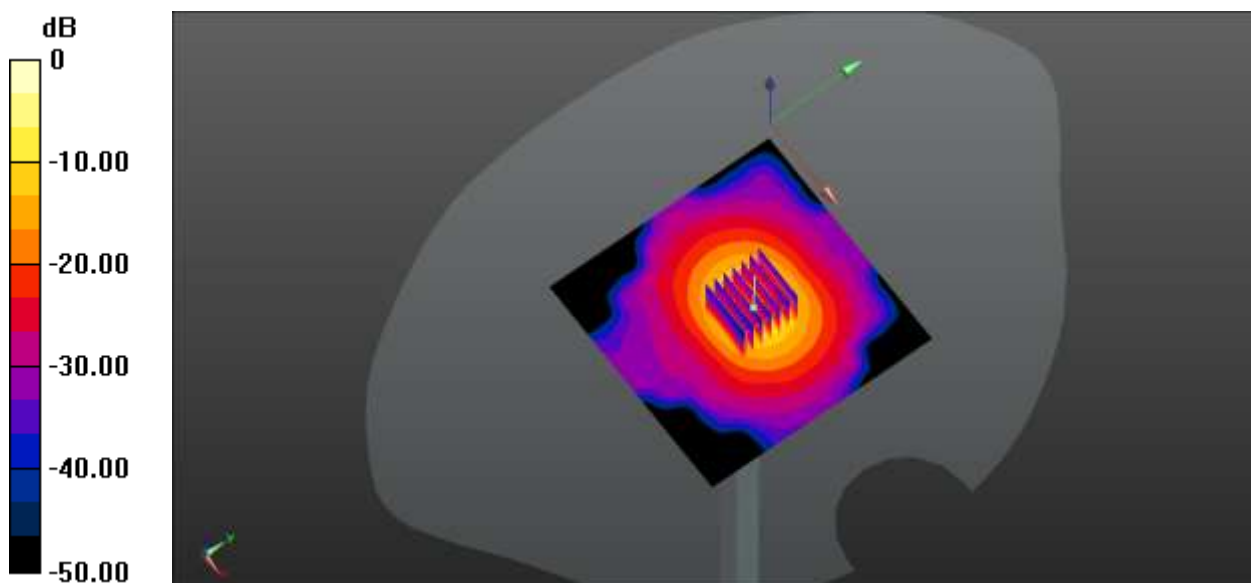
CW 5250 100mW /Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 37.06 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 33.2 W/kg

SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.14 W/kg

Maximum value of SAR (measured) = 19.7 W/kg



0 dB = 19.7 W/kg

System Performance Check Data (5600MHz Body)

System Check: Head 5600MHz

Date: 2022.04.06

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.086$ S/m; $\epsilon_r = 35.809$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.9 Liquid Temperature: 21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.88, 4.88, 4.88); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

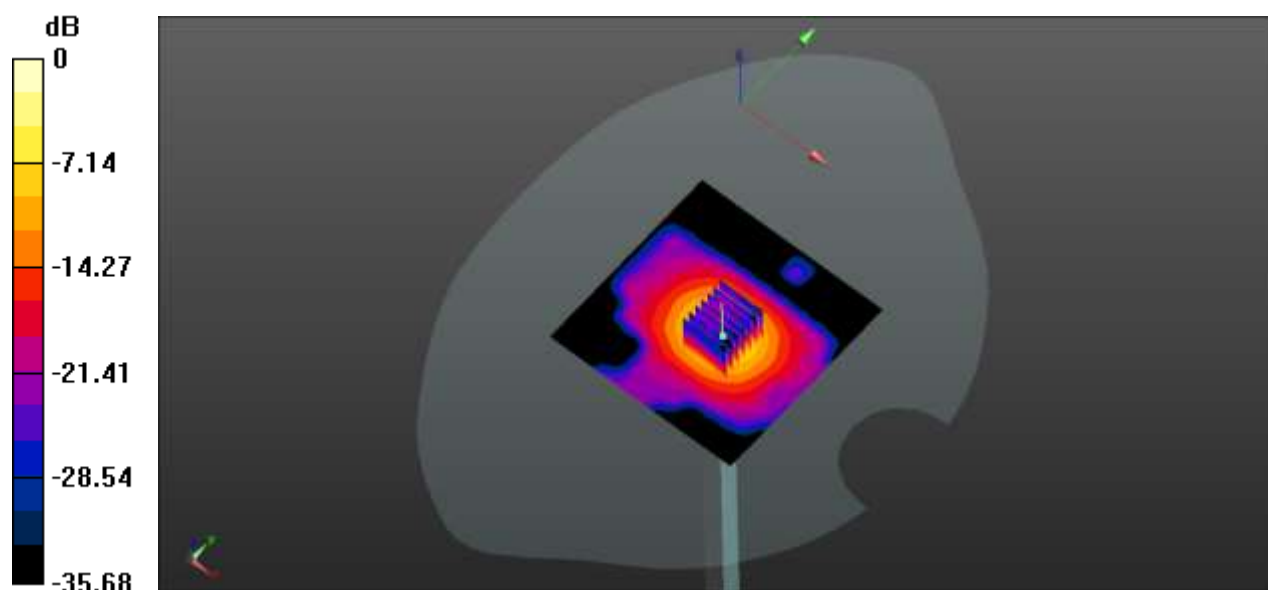
CW5600 HEAD 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

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

Peak SAR (extrapolated) = 38.53 W/kg

SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (measured) = 21.1 W/kg



System Performance Check Data (5750MHz Body)

System Check: Head 5750 MHz

Date: 2022.04.07

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

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.24$ S/m; $\epsilon_r = 35.466$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.8 Liquid Temperature: 21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.92, 4.92, 4.92); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 8.46 W/kg

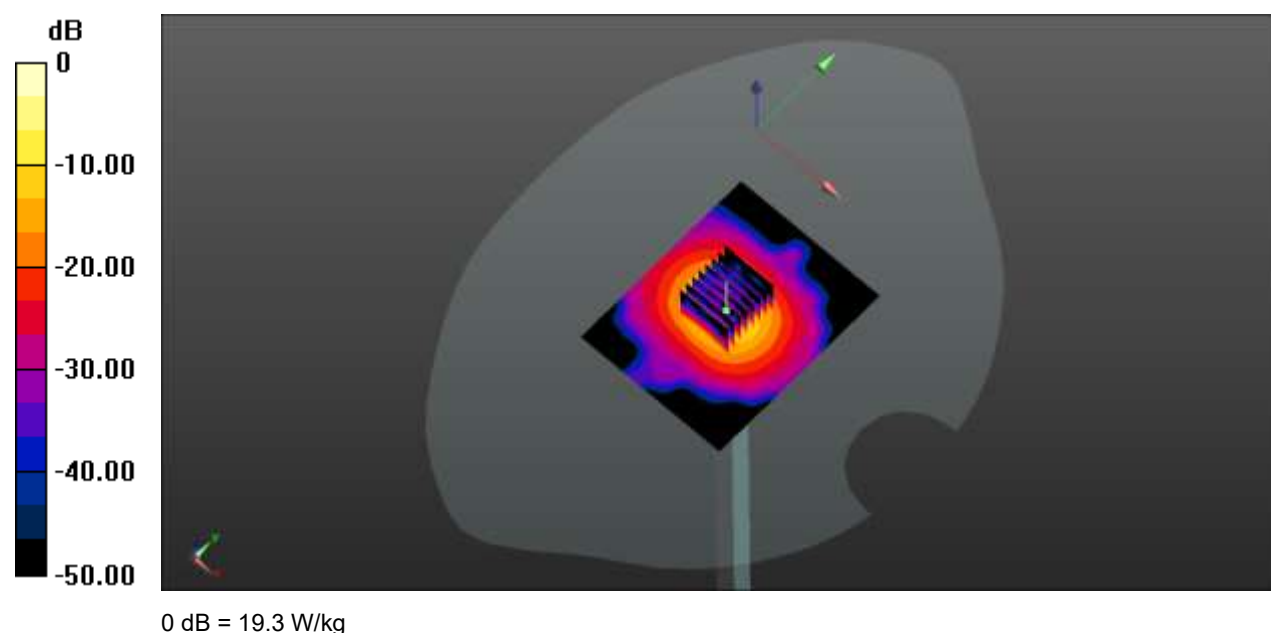
CW 5750 100mW/Zoom Scan (8x8x21)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 36.33 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 35.3 W/kg

SAR(1 g) = 7.71 W/kg; SAR(10 g) = 2.15 W/kg

Maximum value of SAR (measured) = 19.3 W/kg



ANNEX C TEST DATA

1-Left Head with Cheek on High Channel in GPRS850 4Slots mode with Antenna 0

Date: 2022.03.11

Communication System Band: GPRS850; Frequency: 848.8 MHz; Duty Cycle: 1:2.08

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 40.814$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.6 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.630 W/kg

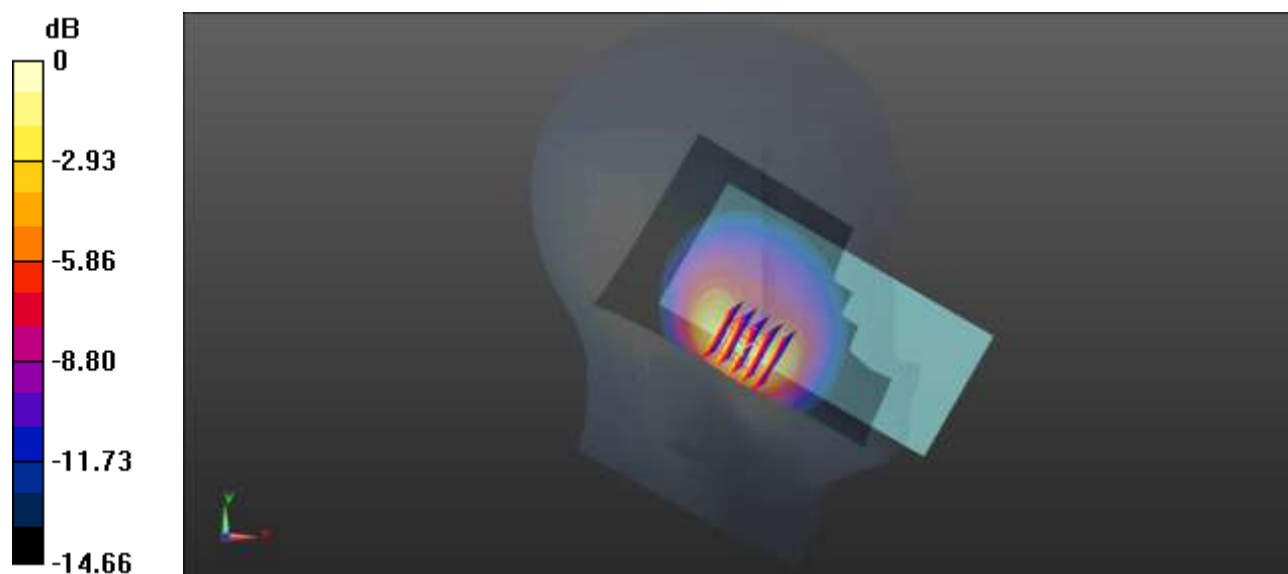
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.422 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.286 W/kg

Maximum value of SAR (measured) = 0.580 W/kg



0 dB = 0.580 W/kg

2-Body Plane with Back Side 15mm on High Channel in GPRS850 4Slots mode with Antenna 0

Date: 2022.03.11

Communication System Band: GPRS850; Frequency: 848.8 MHz; Duty Cycle: 1:2.08

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 40.814$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.419 W/kg

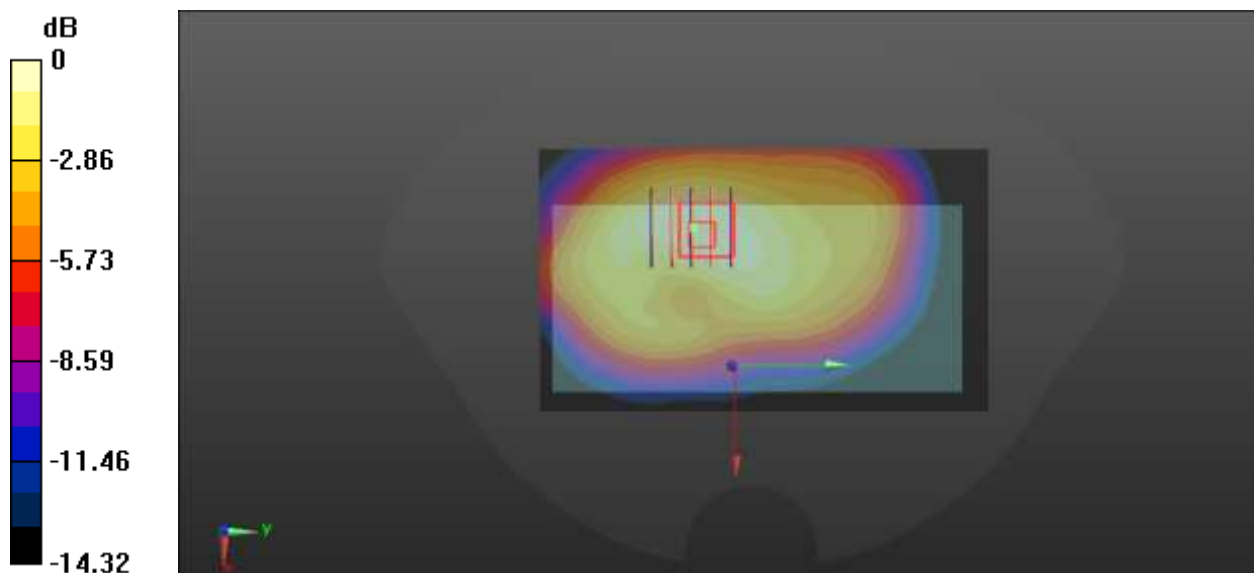
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.596 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.591 W/kg

SAR(1 g) = 0.378 W/kg; SAR(10 g) = 0.235 W/kg

Maximum value of SAR (measured) = 0.413 W/kg



0 dB = 0.413 W/kg

3-Body Plane with Right Edge 10mm on High Channel in GPRS850 4Slots mode with Antenna 0

Date: 2022.03.11

Communication System Band: GPRS850; Frequency: 848.8 MHz; Duty Cycle: 1:2.08

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 40.814$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.392 W/kg

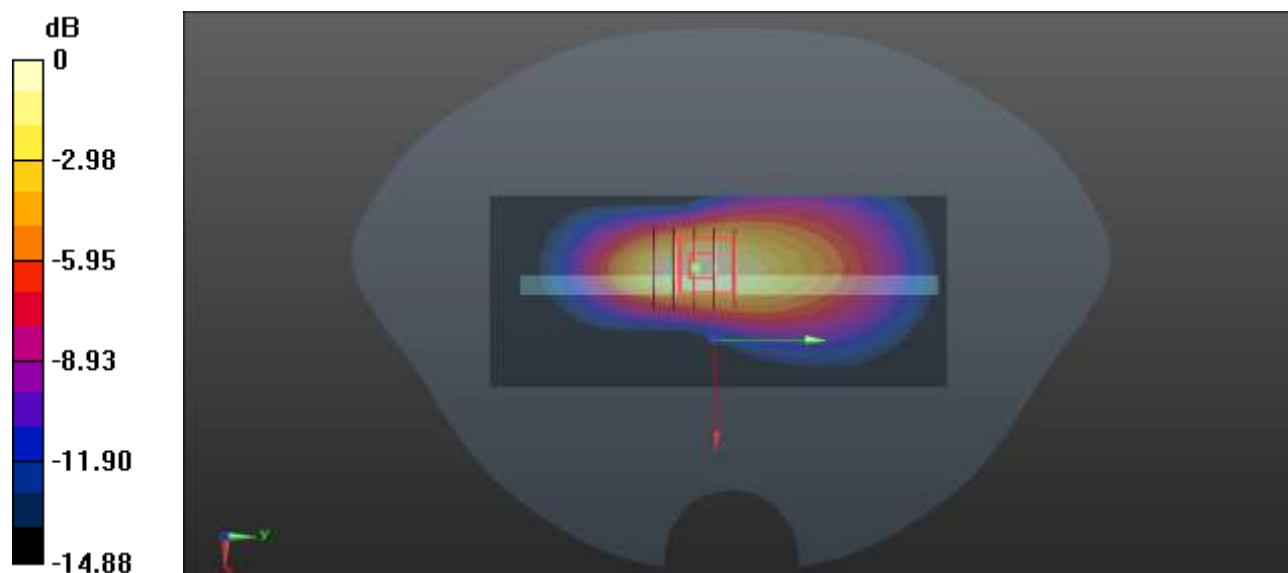
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.94 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.612 W/kg

SAR(1 g) = 0.375 W/kg; SAR(10 g) = 0.192 W/kg

Maximum value of SAR (measured) = 0.384 W/kg



0 dB = 0.384 W/kg

4-Right Head with Cheek on High Channel in GPRS1900 4Slots mode with Antenna 3

Date: 2022.03.20

Communication System Band: GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.08

Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 40.233$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.6 Liquid Temperature: 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CH810/Area Scan (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.738 W/kg

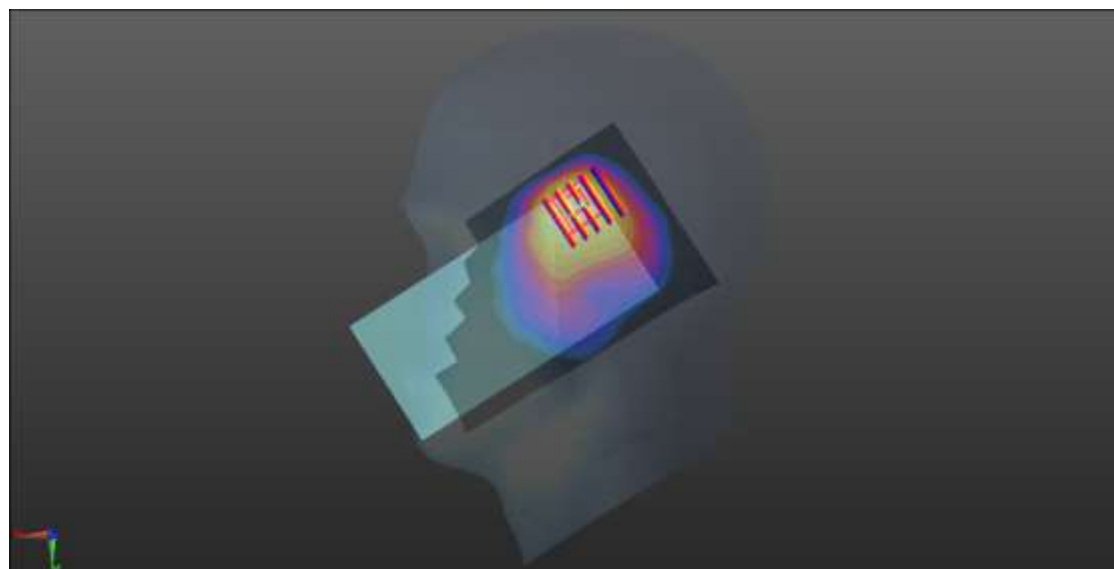
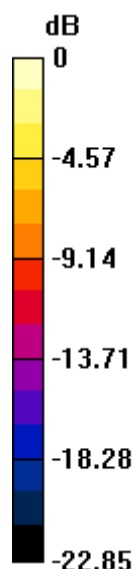
CH810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.14 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.660 W/kg; SAR(10 g) = 0.297 W/kg

Maximum value of SAR (measured) = 0.671 W/kg



0 dB = 0.671 W/kg

5-Body Plane with Back Side 15mm on High Channel in GPRS1900 4Slots mode with Antenna 4

Date: 2022.03.20

Communication System Band: GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.08

Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 40.233$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.303 W/kg

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

Reference Value = 6.544 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.443 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.063 W/kg

Maximum value of SAR (measured) = 0.296 W/kg



6-Body Plane with Bottom Edge 10mm on High Channel in GPRS1900 4Slots mode with Antenna 4

Date: 2022.03.20

Communication System Band: GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.08

Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 40.233$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.413 W/kg

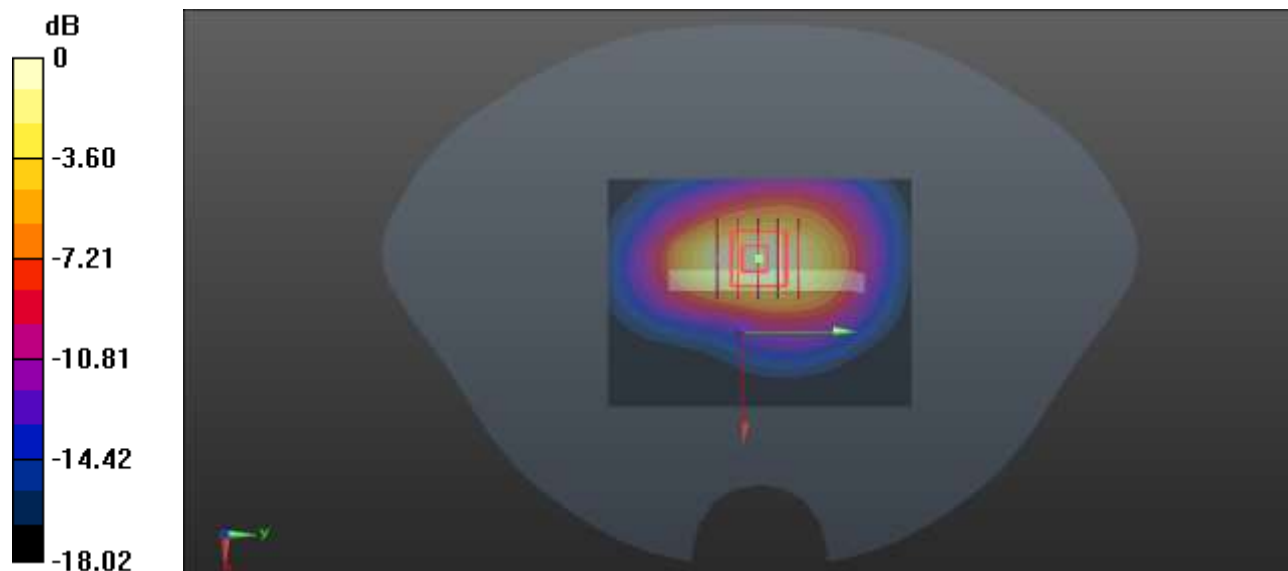
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.85 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.657 W/kg

SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.201 W/kg

Maximum value of SAR (measured) = 0.414 W/kg



0 dB = 0.414 W/kg

7-Right Head with Cheek on Middle Channel in WCDMA Band2 mode with Antenna 3

Date: 2022.03.21

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.414$ S/m; $\epsilon_r = 40.439$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.856 W/kg

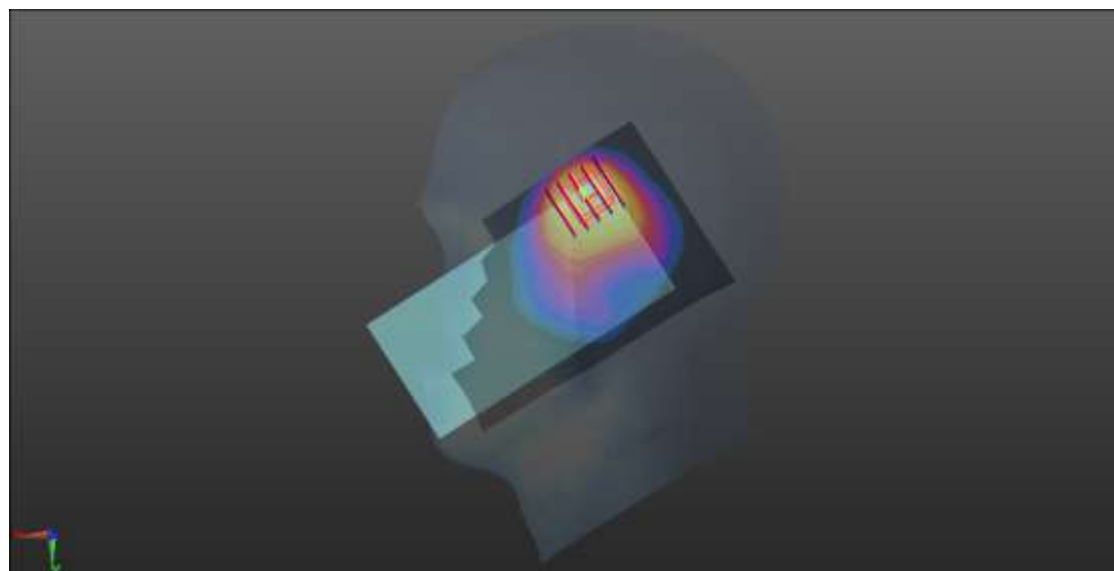
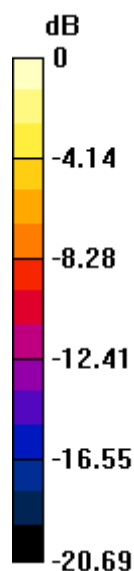
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.47 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.322 W/kg

Maximum value of SAR (measured) = 0.812 W/kg



0 dB = 0.812 W/kg

8-Body Plane with Back Side 15mm on Middle Channel in WCDMA Band2 mode with Antenna 3

Date: 2022.03.21

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.414$ S/m; $\epsilon_r = 40.439$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.254 W/kg

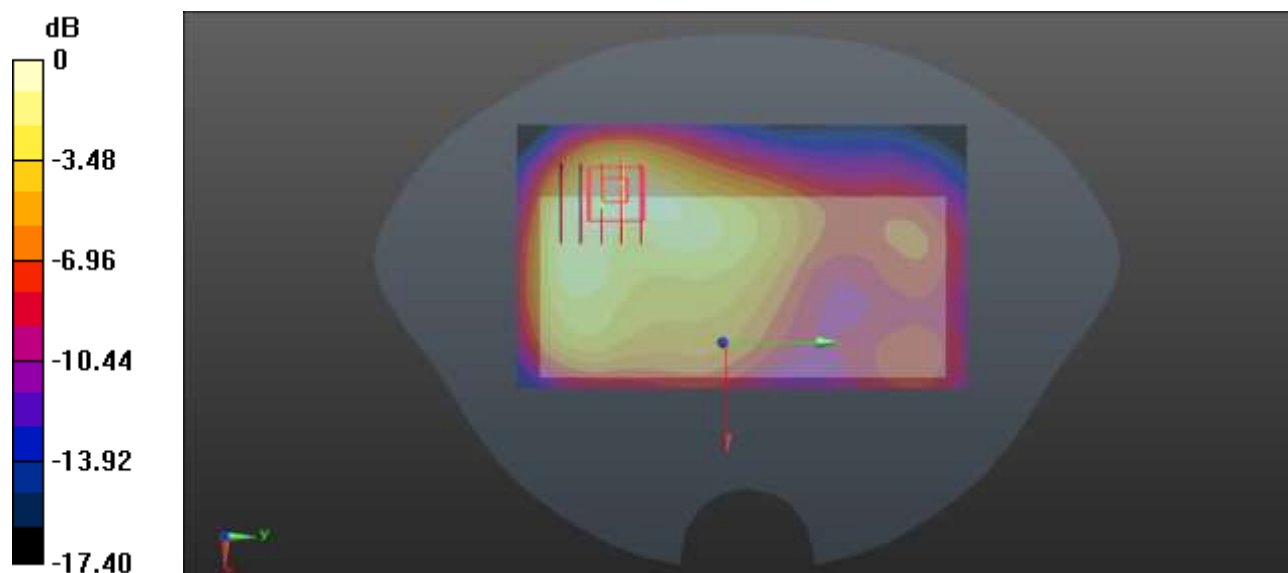
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.071 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.394 W/kg

SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.246 W/kg



0 dB = 0.246 W/kg

9-Body Plane with Right Edge 10mm on Middle Channel in WCDMA Band2 mode with Antenna 3

Date: 2022.03.21

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.414$ S/m; $\epsilon_r = 40.439$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (51x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.498 W/kg

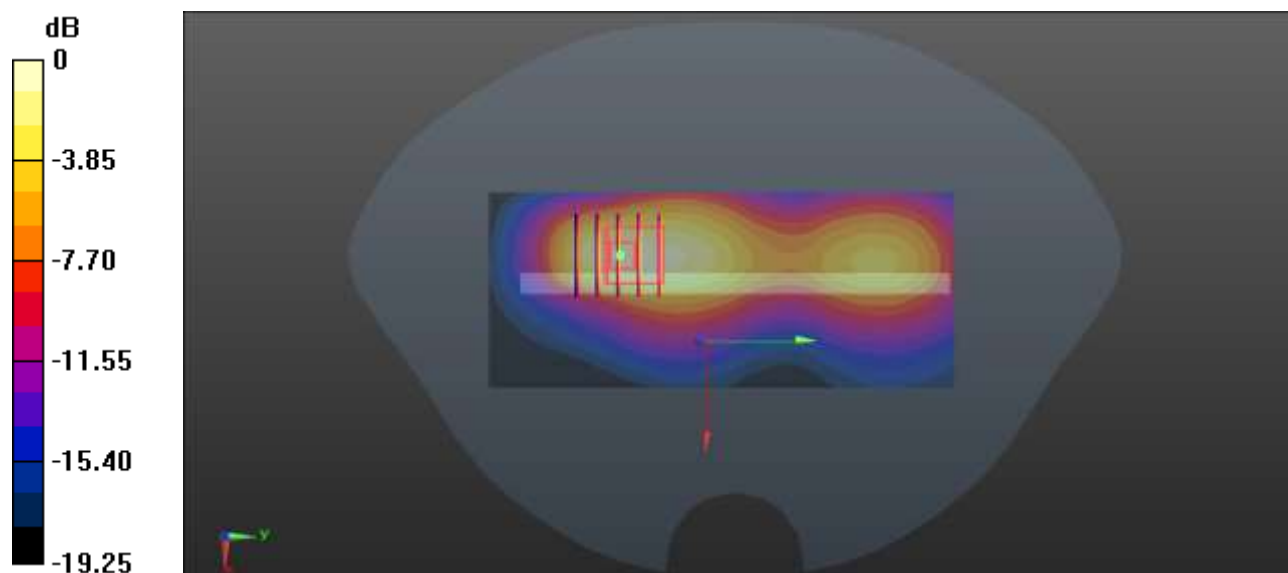
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.613 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.813 W/kg

SAR(1 g) = 0.447 W/kg; SAR(10 g) = 0.237 W/kg

Maximum value of SAR (measured) = 0.508 W/kg



0 dB = 0.508 W/kg

10-Right Head with Cheek on Middle Channel in WCDMA Band4 mode with Antenna 3

Date: 2022.03.18

Communication System Band: IV; Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.321$ S/m; $\epsilon_r = 40.698$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.54, 8.54, 8.54); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CH1412/Area Scan (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.856 W/kg

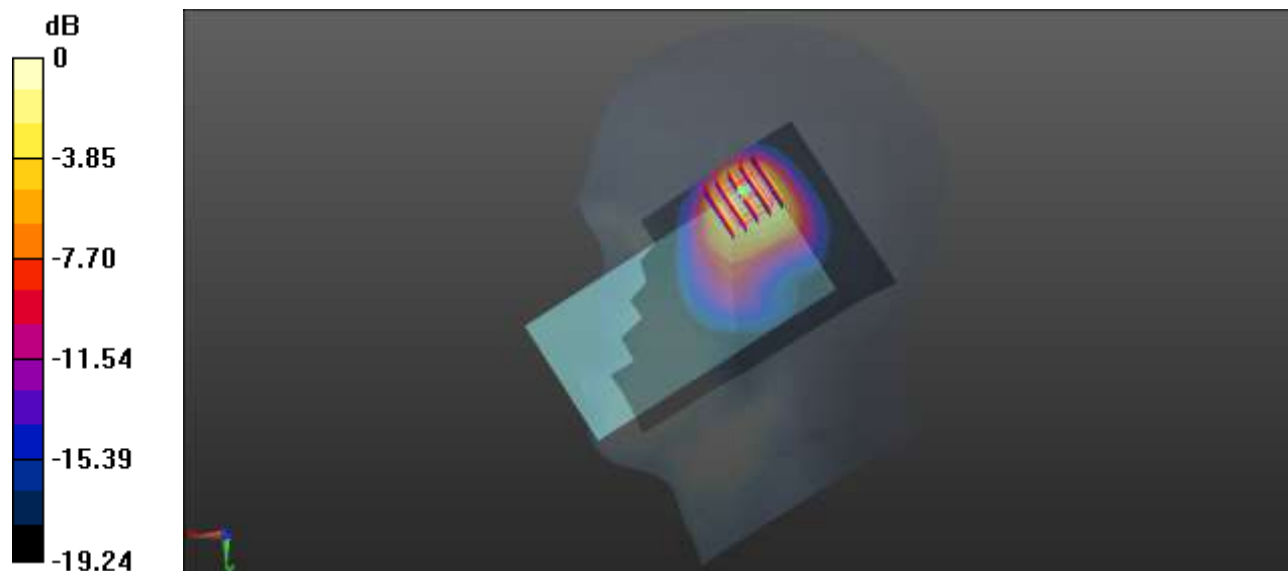
CH1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.558 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.340 W/kg

Maximum value of SAR (measured) = 0.817 W/kg



0 dB = 0.817 W/kg

11-Body Plane with Back Side 15mm on Middle Channel in WCDMA Band4 mode with Antenna 3

Date: 2022.03.18

Communication System Band: IV; Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.321$ S/m; $\epsilon_r = 40.698$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.54, 8.54, 8.54); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1412/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.253 W/kg

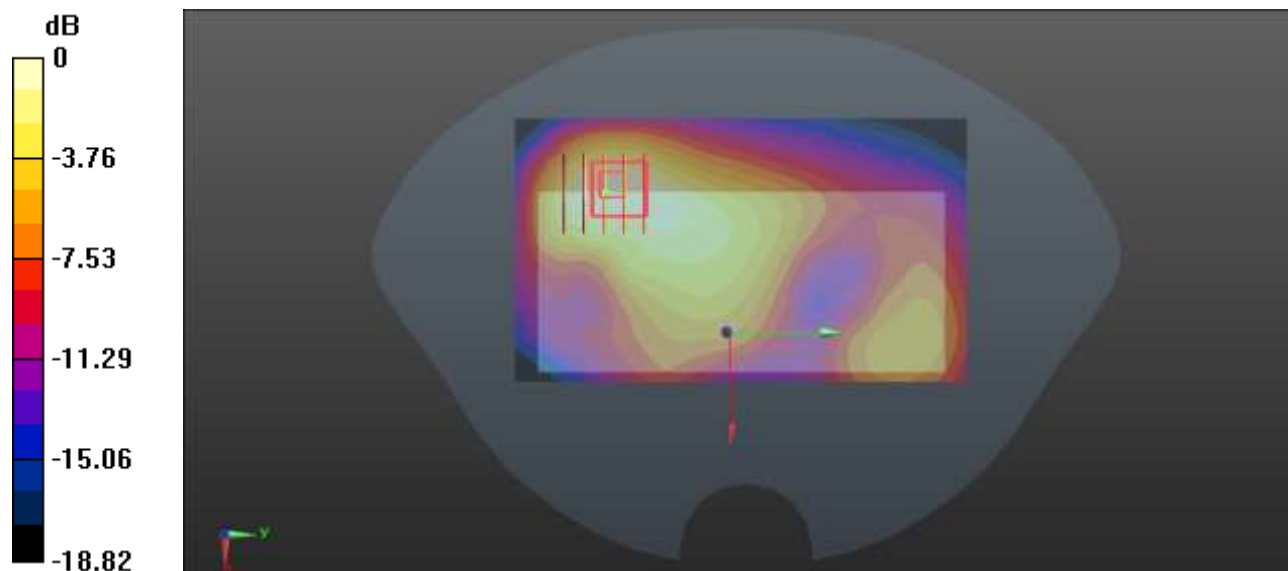
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.055 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.377 W/kg

SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.235 W/kg



0 dB = 0.235 W/kg

12-Body Plane with Bottom Side 10mm on Middle Channel in WCDMA Band4 mode with Antenna 4

Date: 2022.03.18

Communication System Band: IV; Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.321$ S/m; $\epsilon_r = 40.698$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.54, 8.54, 8.54); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1412/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.523 W/kg

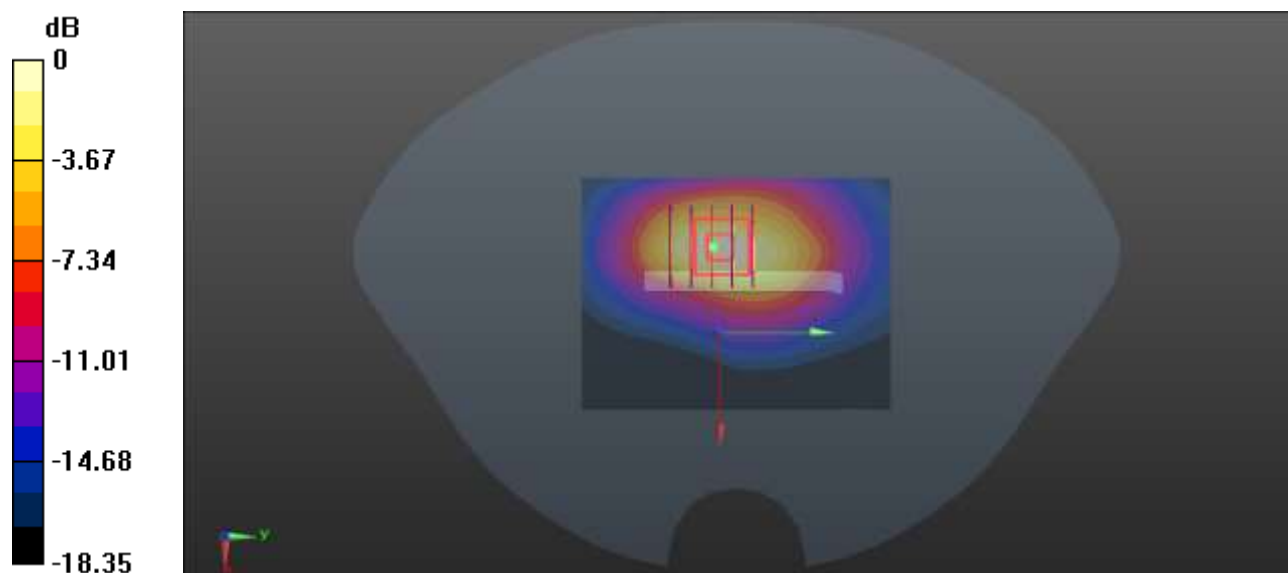
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.452 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.828 W/kg

SAR(1 g) = 0.468 W/kg; SAR(10 g) = 0.251 W/kg

Maximum value of SAR (measured) = 0.527 W/kg



0 dB = 0.527 W/kg

13-Left Head with Cheek on Middle Channel in WCDMA Band5 mode with Antenna 0

Date: 2022.03.12

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 40.679$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.4 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/Area Scan (71x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.869 W/kg

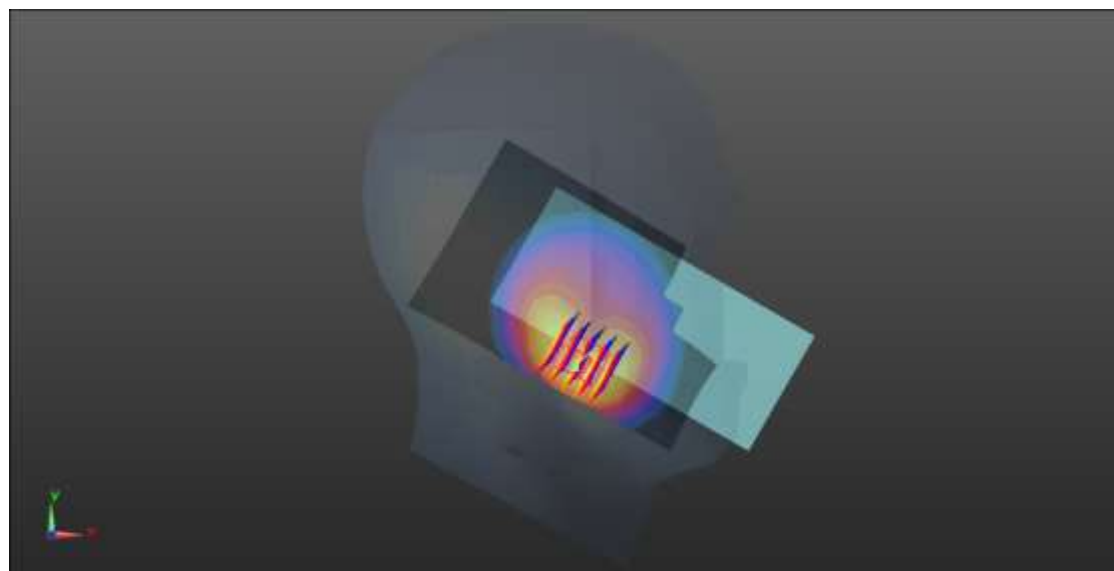
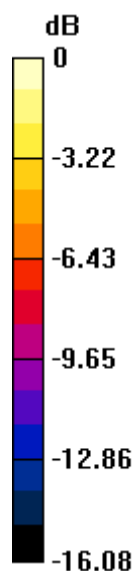
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.946 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.840 W/kg; SAR(10 g) = 0.418 W/kg

Maximum value of SAR (measured) = 0.860 W/kg



0 dB = 0.860 W/kg

14-Body Plane with Back Side 10mm on Middle Channel in WCDMA Band5 mode with Antenna 0

Date: 2022.03.12

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 40.679$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.398 W/kg

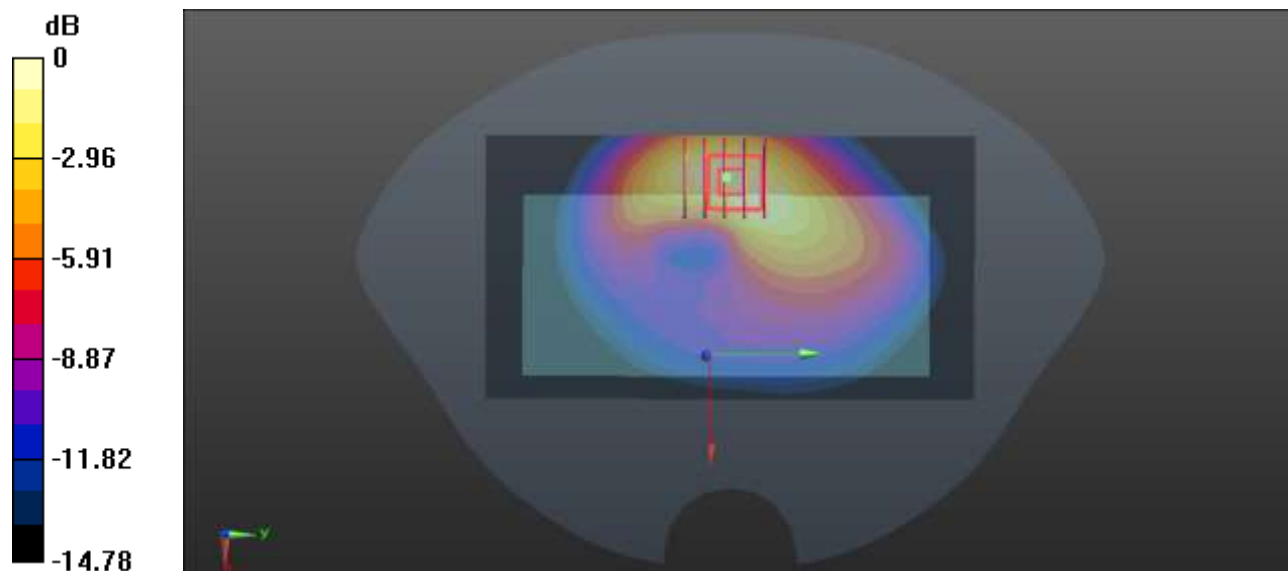
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.410 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.655 W/kg

SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.226 W/kg

Maximum value of SAR (measured) = 0.417 W/kg



0 dB = 0.417 W/kg

15-Body Plane with Right Edge 10mm on Middle Channel in WCDMA Band5 mode with Antenna 0

Date: 2022.03.12

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 40.679$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.575 W/kg

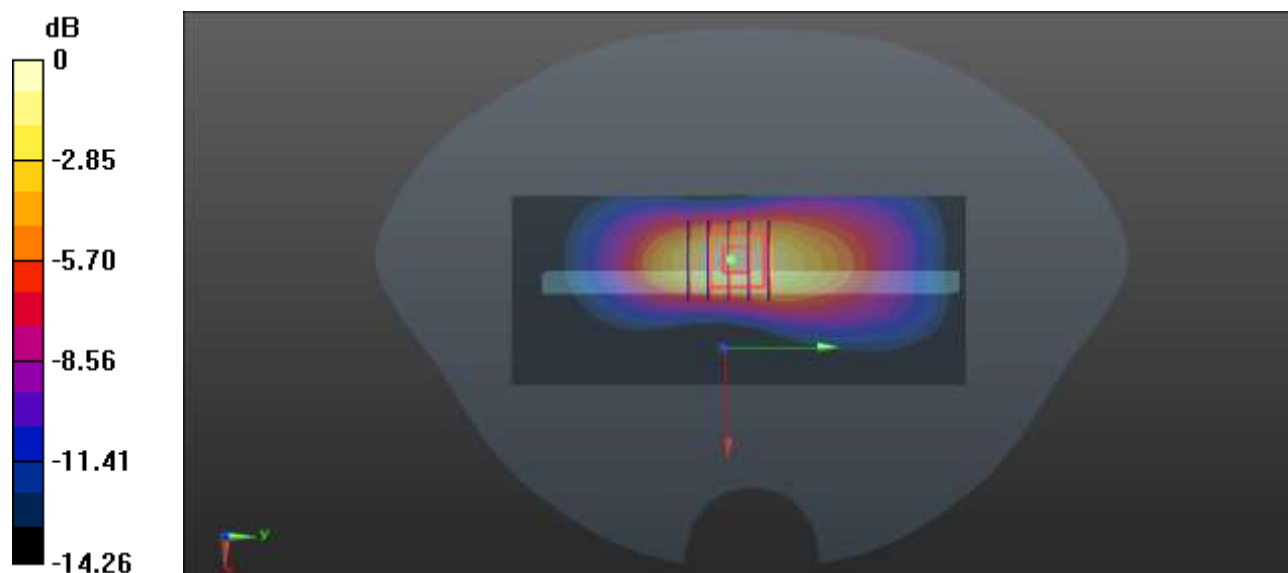
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.75 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.910 W/kg

SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.286 W/kg

Maximum value of SAR (measured) = 0.581 W/kg



16-Right Head with Cheek on High Channel in LTE Band2 mode with Antenna 3

Date: 2022.03.22

Communication System Band: Band2; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1900$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 41.07$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CH19100/Area Scan (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.930 W/kg

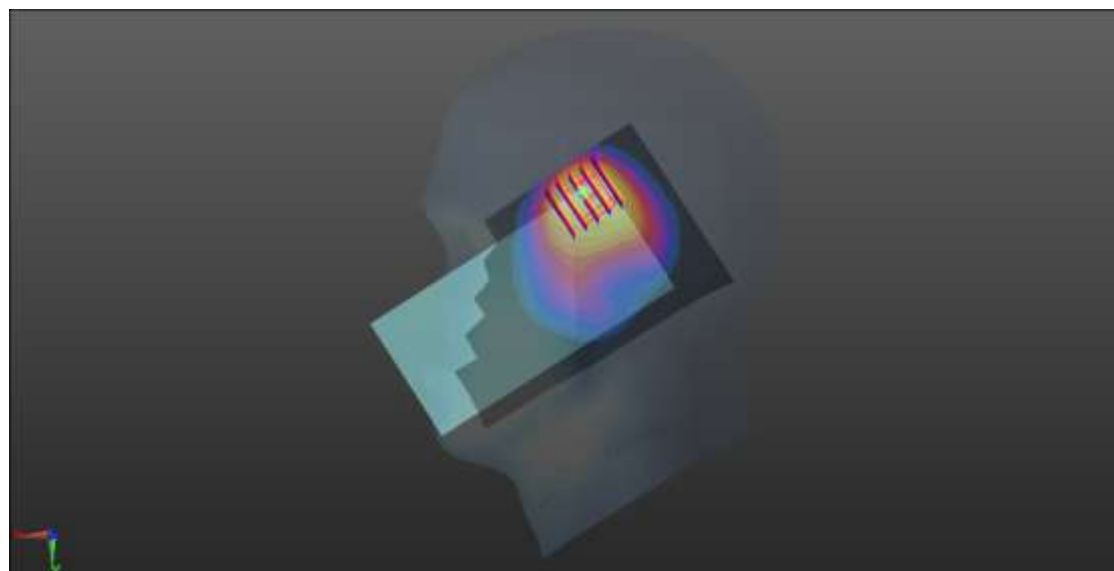
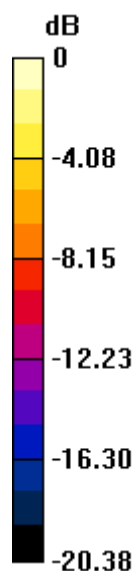
CH19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.44 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.703 W/kg; SAR(10 g) = 0.346 W/kg

Maximum value of SAR (measured) = 0.864 W/kg



0 dB = 0.864 W/kg

17-Body Plane with Back Side 15mm on Middle Channel in LTE Band2 mode with Antenna 4

Date: 2022.03.23

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 40.824$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.247 W/kg

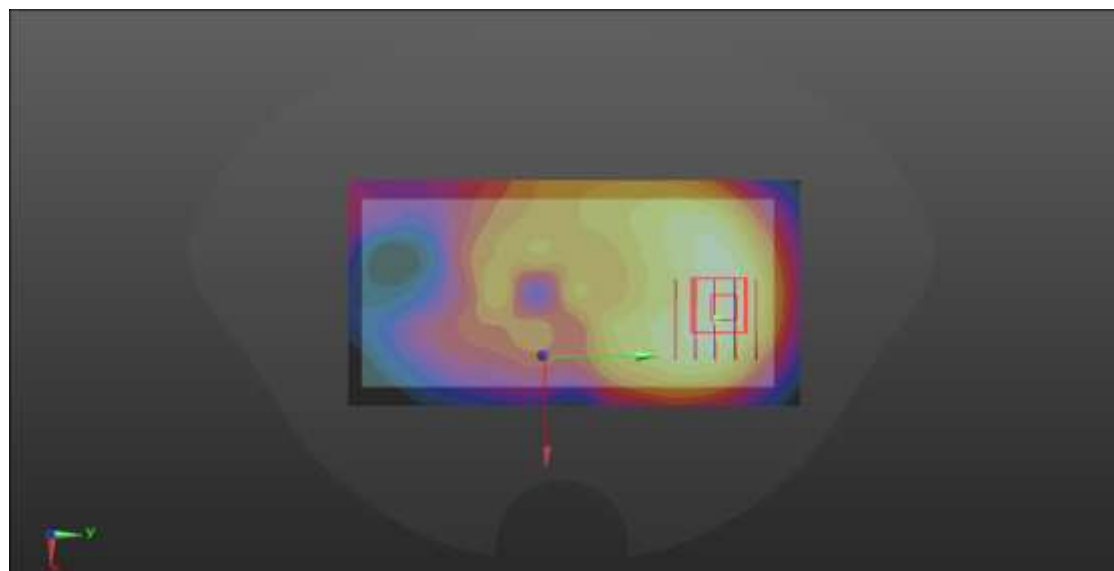
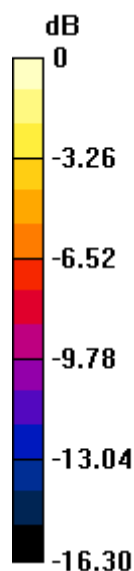
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.473 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.234 W/kg



0 dB = 0.234 W/kg

18-Body Plane with Right Edge 10mm on Middle Channel in LTE Band2 mode with Antenna 3

Date: 2022.03.23

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 40.824$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.752 W/kg

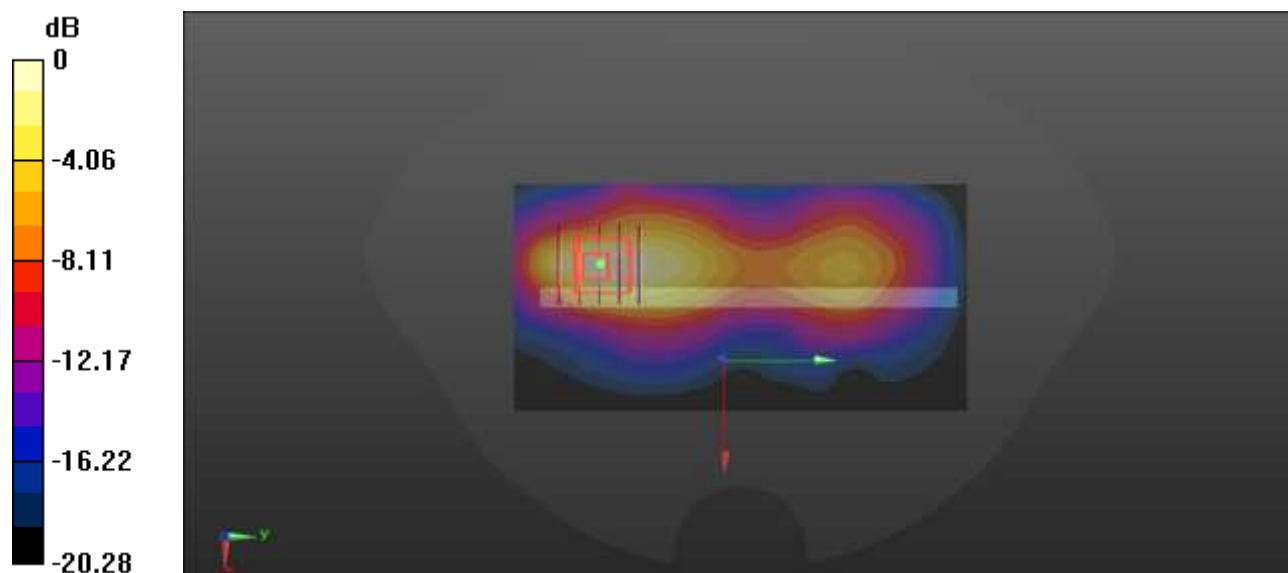
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.515 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.602 W/kg; SAR(10 g) = 0.307 W/kg

Maximum value of SAR (measured) = 0.691 W/kg



0 dB = 0.691 W/kg

19-Right Head with Cheek on Middle Channel in LTE Band4 mode with Antenna 3

Date: 2022.03.19

Communication System Band: Band 4; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.327$ S/m; $\epsilon_r = 40.928$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.756 W/kg

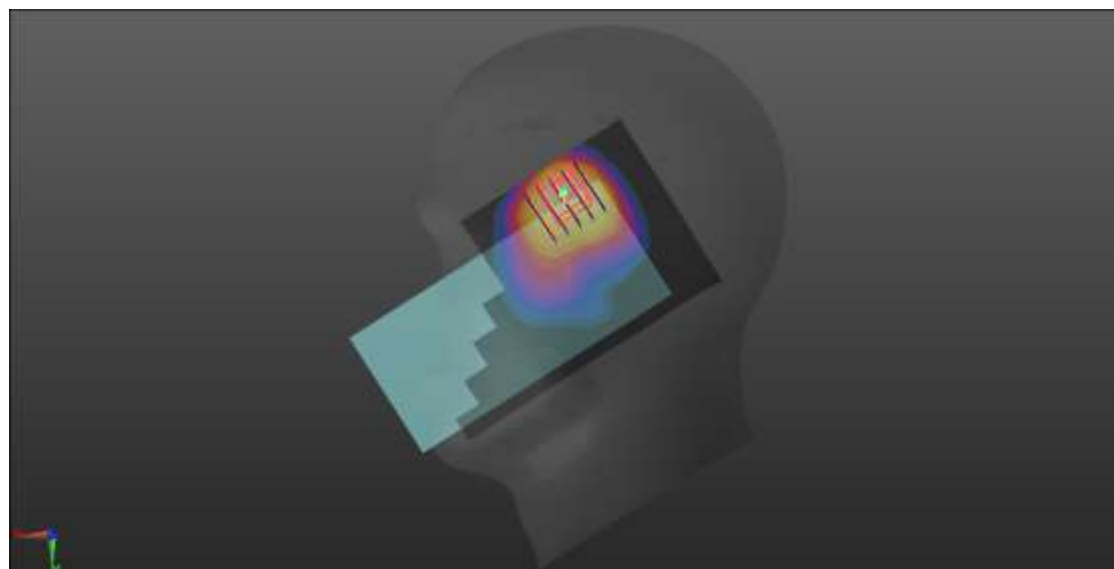
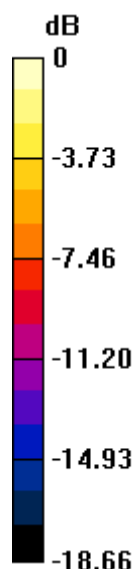
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.806 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.253 W/kg

Maximum value of SAR (measured) = 0.603 W/kg



0 dB = 0.603 W/kg

20-Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna 3

Date: 2022.03.19

Communication System Band: Band 4; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.327$ S/m; $\epsilon_r = 40.928$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.232 W/kg

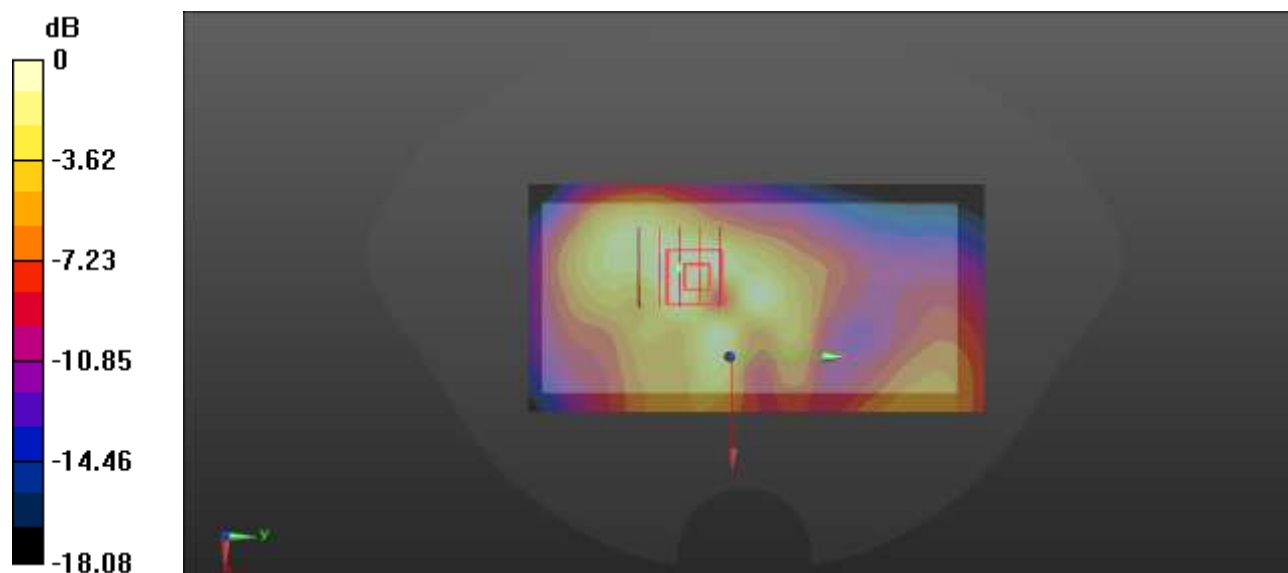
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.64 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.497 W/kg

SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.227 W/kg



0 dB = 0.227 W/kg

21-Body Plane with Bottom Edge 10mm on High Channel in LTE Band4 mode with Antenna 4

Date: 2022.03.19

Communication System Band: Band 4; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.335$ S/m; $\epsilon_r = 40.682$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.31, 8.31, 8.31); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20300/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.428 W/kg

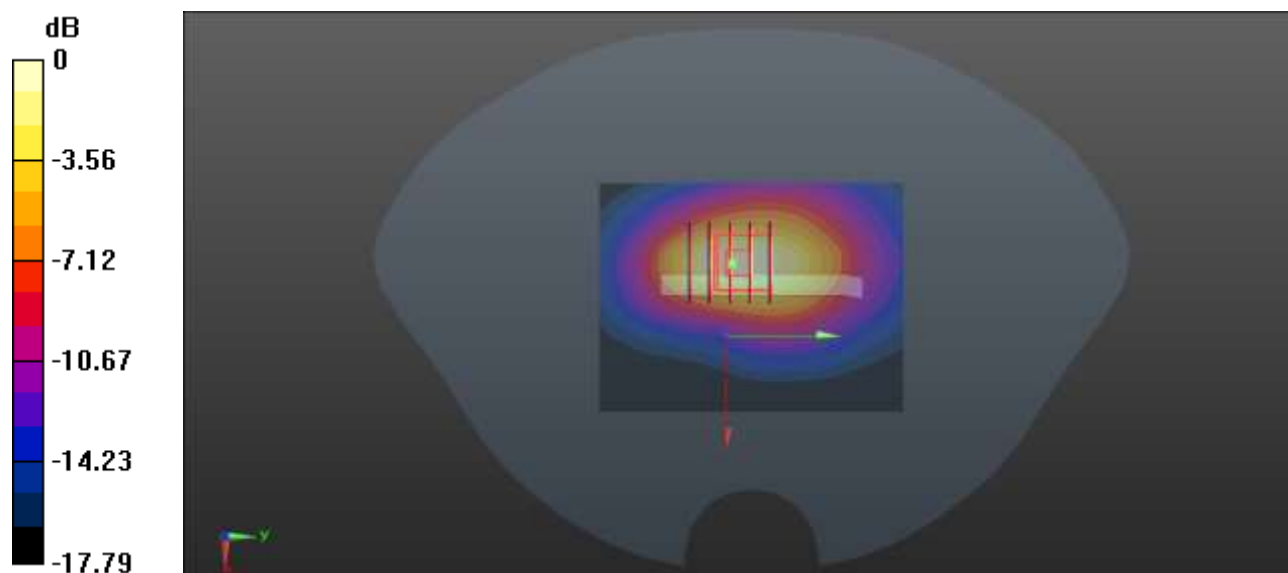
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.99 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.664 W/kg

SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.427 W/kg



22-Left Head with Cheek on Middle Channel in LTE Band5 mode with Antenna 0

Date: 2022.03.13

Communication System Band: Band5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.886$ S/m; $\epsilon_r = 42.476$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.2 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

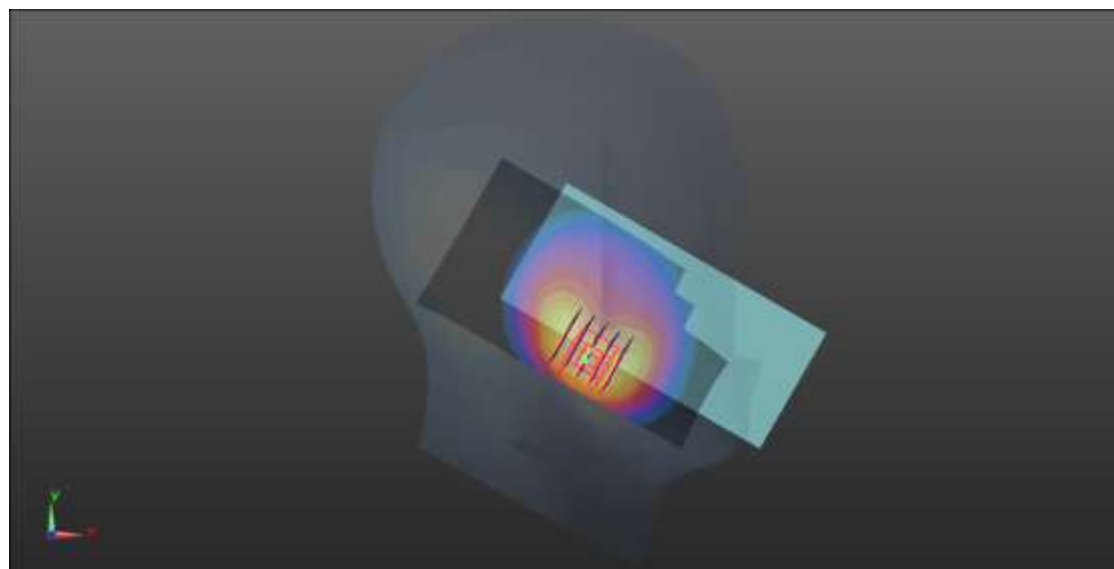
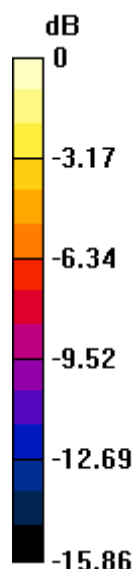
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.461 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 0.875 W/kg; SAR(10 g) = 0.438 W/kg

Maximum value of SAR (measured) = 0.883 W/kg



0 dB = 0.883 W/kg

23-Body Plane with Back Side 15mm on Middle Channel in LTE Band5 mode with Antenna 0

Date: 2022.03.14

Communication System Band: Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 41.926$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.395 W/kg

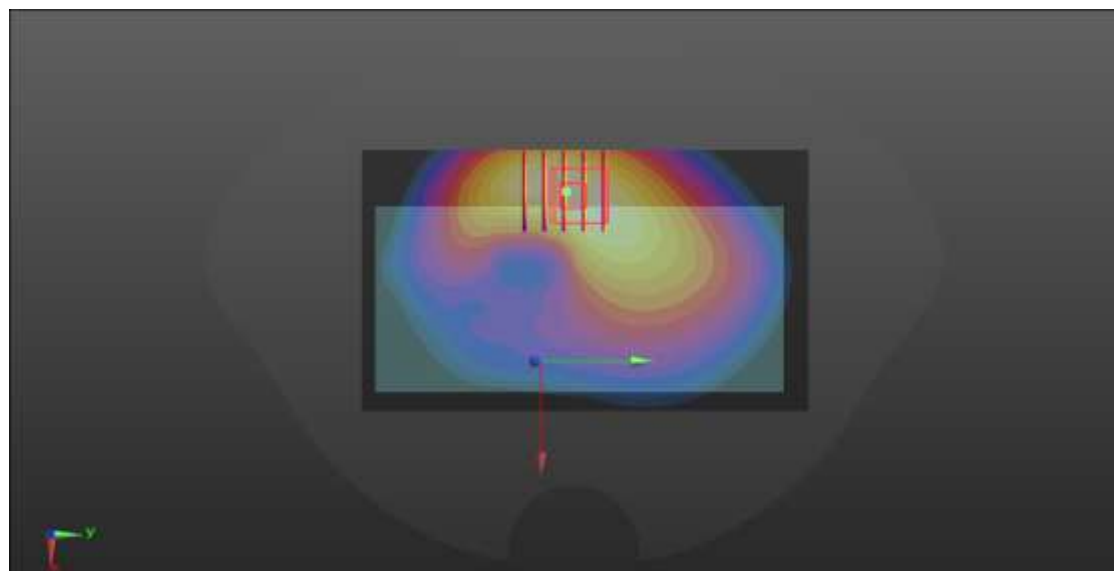
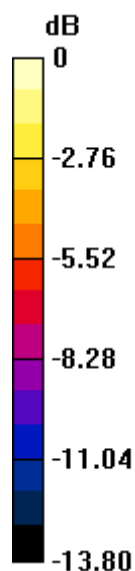
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.840 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.579 W/kg

SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.231 W/kg

Maximum value of SAR (measured) = 0.398 W/kg



0 dB = 0.398 W/kg

24-Body Plane with Right Edge 10mm on Middle Channel in LTE Band5 mode with Antenna 0

Date: 2022.03.14

Communication System Band: Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 41.926$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.665 W/kg

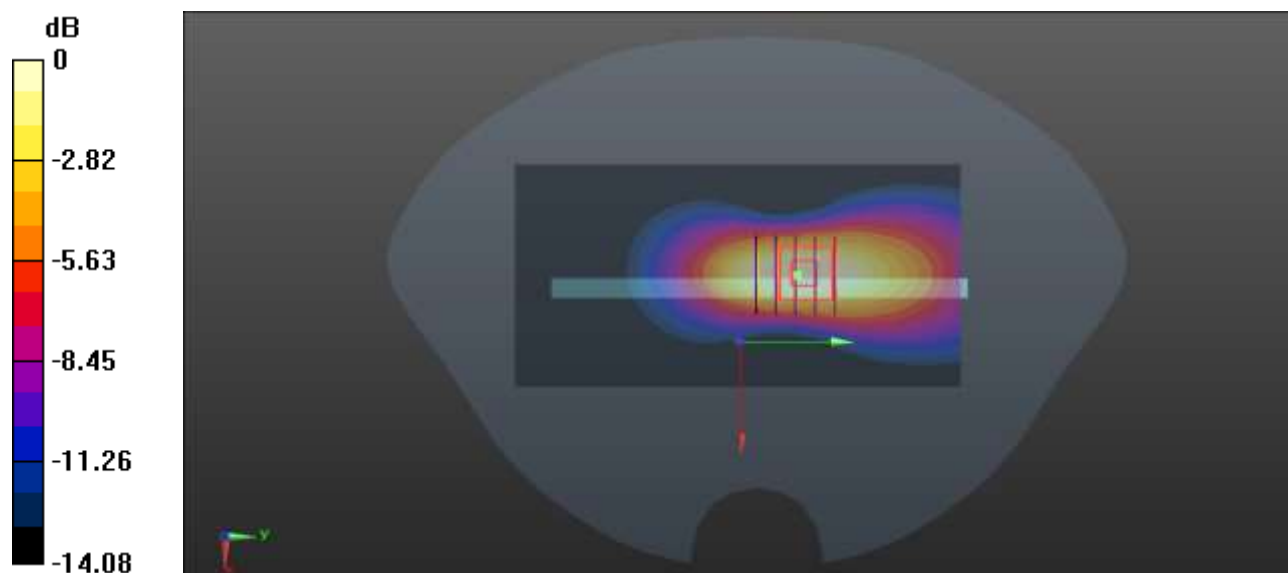
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.85 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.816 W/kg

SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.267 W/kg

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



0 dB = 0.524 W/kg

25-Right Head with Cheek on Middle Channel in LTE Band7 mode with Antenna 3

Date: 2022.03.26

Communication System Band: Band 7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.921$ S/m; $\epsilon_r = 39.906$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.2 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x141x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

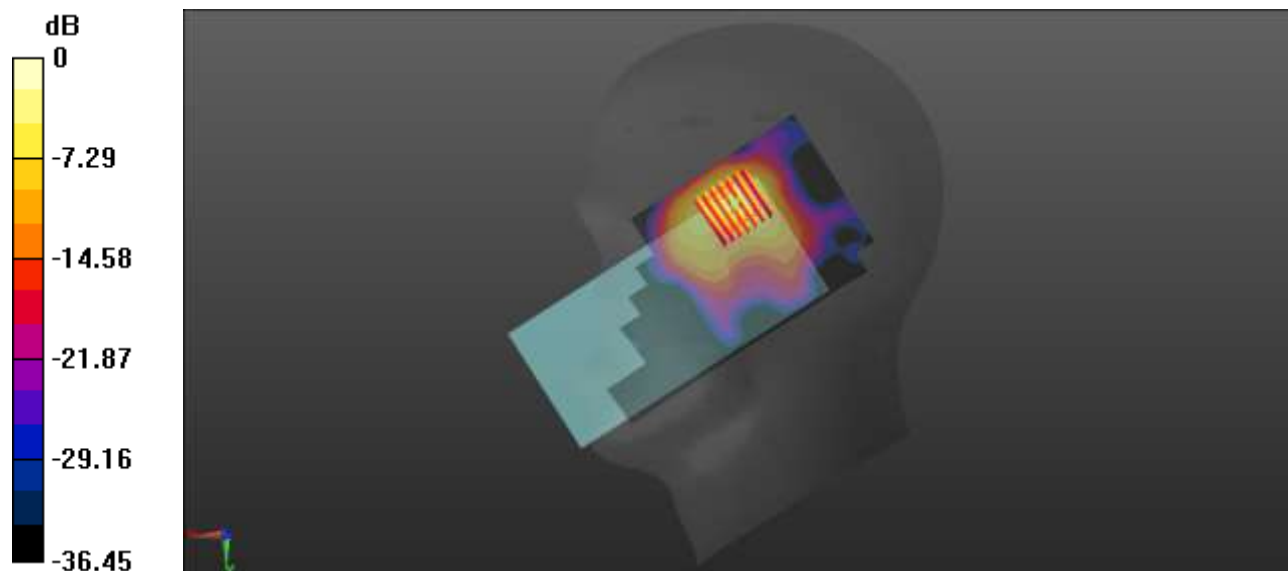
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.314 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = 0.830 W/kg; SAR(10 g) = 0.338 W/kg

Maximum value of SAR (measured) = 0.941 W/kg



0 dB = 0.941 W/kg

26-Body Plane with Back Side 15mm on Middle Channel in LTE Band7 mode with Antenna 4

Date: 2022.03.27

Communication System Band: Band 7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.938$ S/m; $\epsilon_r = 39.39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.250 W/kg

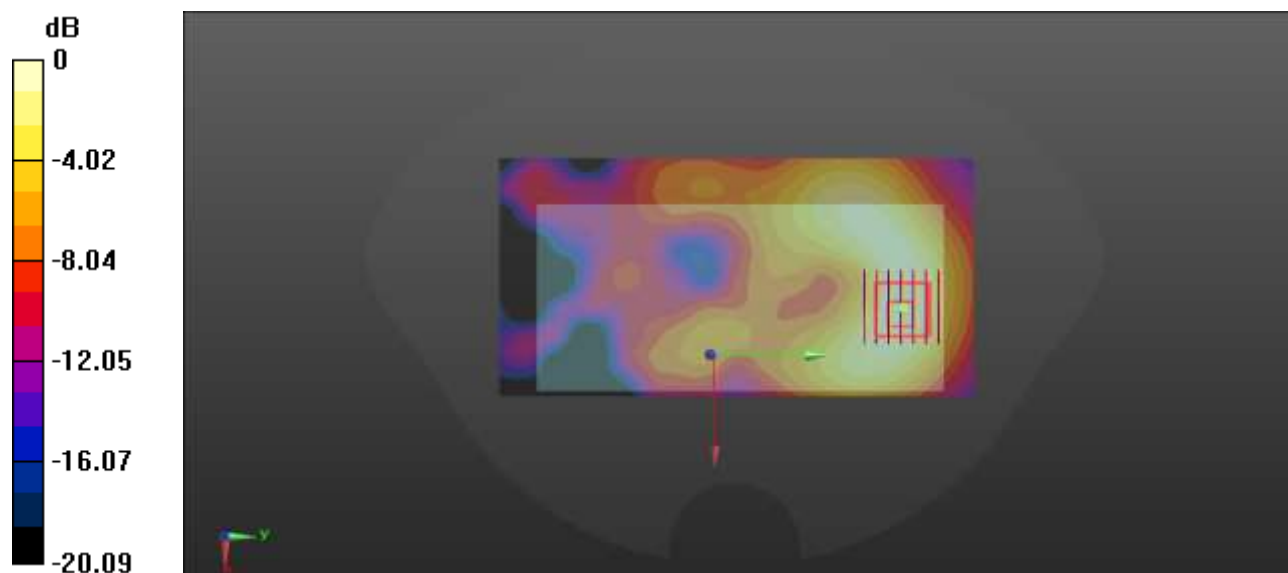
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.944 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.367 W/kg

SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.118 W/kg

Maximum value of SAR (measured) = 0.253 W/kg



0 dB = 0.253 W/kg

27-Body Plane with Right Edge 10mm on Middle Channel in LTE Band7 mode with Antenna 3

Date: 2022.03.27

Communication System Band: Band 7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.938$ S/m; $\epsilon_r = 39.39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100 2/Area Scan (71x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.502 W/kg

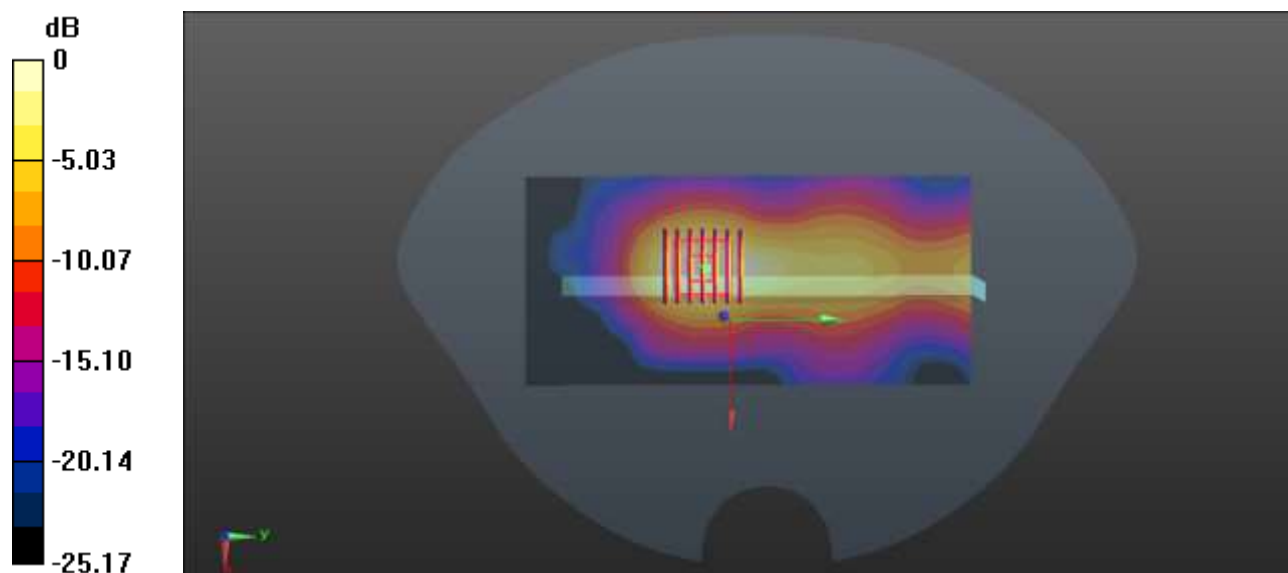
Ch21100 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.705 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.672 W/kg

SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.157 W/kg

Maximum value of SAR (measured) = 0.385 W/kg



0 dB = 0.385 W/kg

28-Left Head with Cheek on Middle Channel in LTE Band12 mode with Antenna 0

Date: 2022.03.09

Communication System Band: Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 42.848$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.5 Liquid Temperature: 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.73, 10.73, 10.73); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.154 W/kg

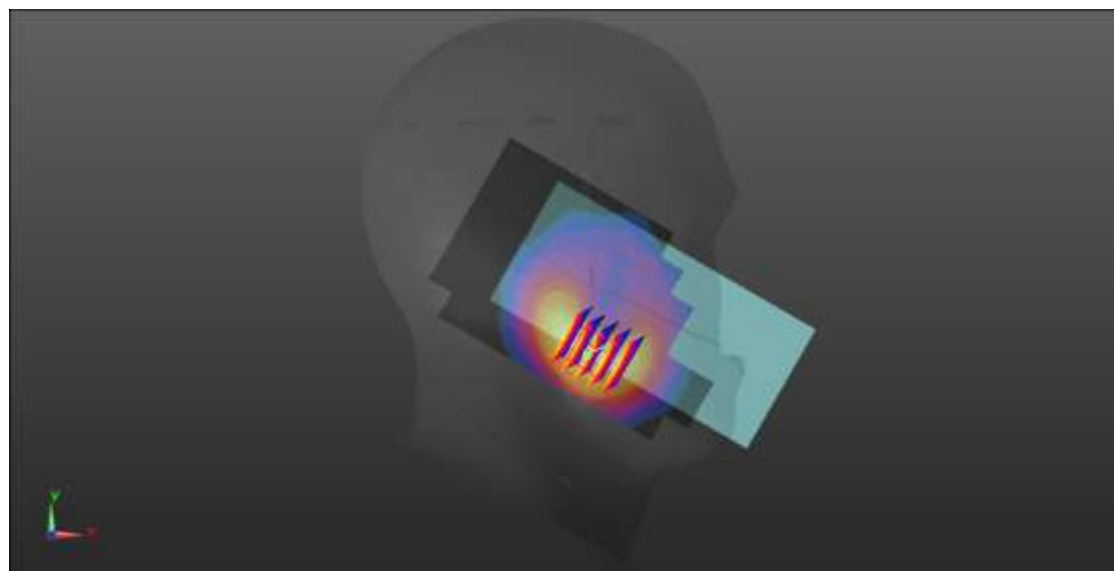
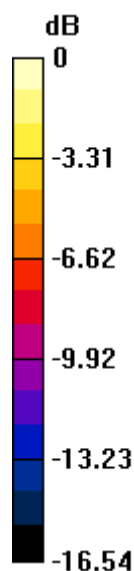
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.376 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.328 W/kg

SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.049 W/kg

Maximum value of SAR (measured) = 0.173 W/kg



0 dB = 0.173 W/kg

29-Body Plane with Back Side 15mm on Middle Channel in LTE Band12 mode with Antenna 1

Date: 2022.03.09

Communication System Band: Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 42.848$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.73, 10.73, 10.73); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.105 W/kg

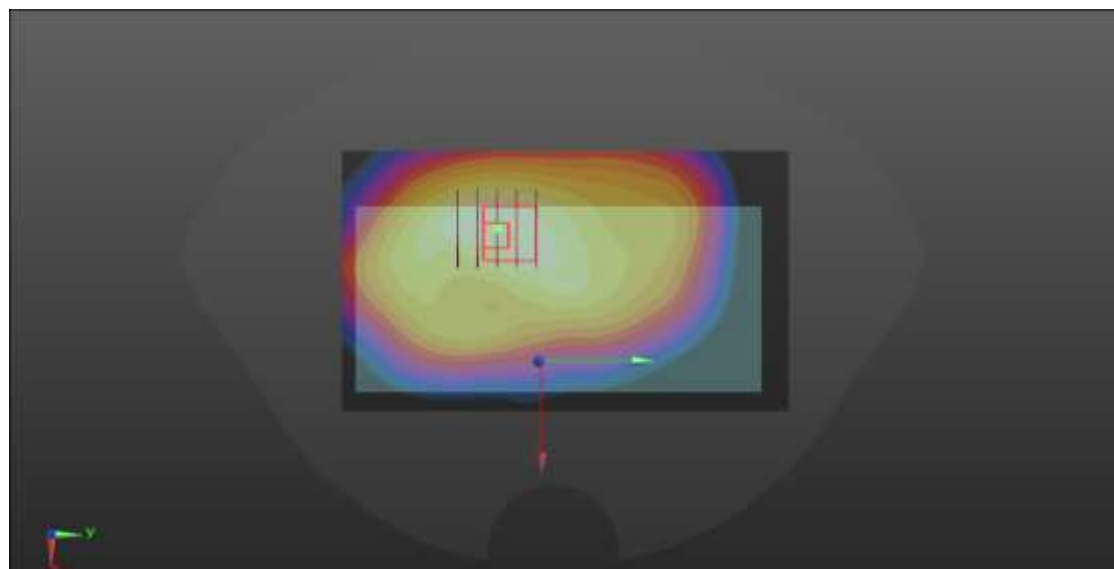
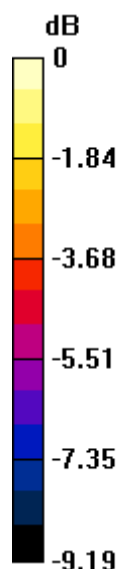
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.479 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.244 W/kg

SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.072 W/kg

Maximum value of SAR (measured) = 0.106 W/kg



0 dB = 0.106 W/kg

30-Body Plane with Right Edge 10mm on Middle Channel in LTE Band12 mode with Antenna 1

Date: 2022.03.09

Communication System Band: Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 42.848$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.73, 10.73, 10.73); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.143 W/kg

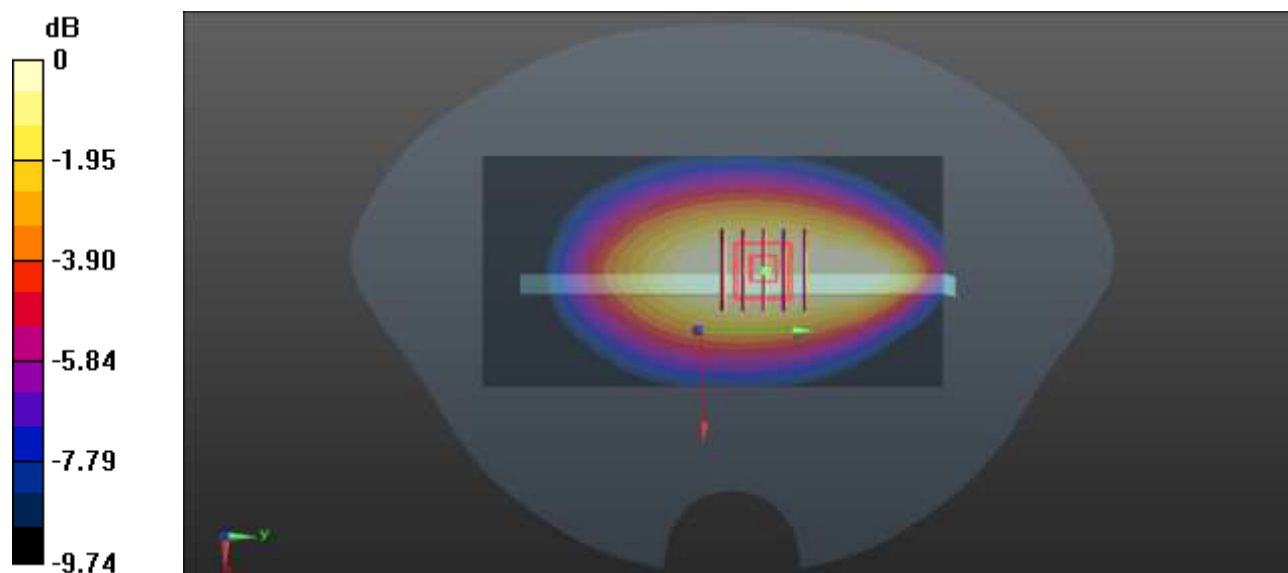
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.99 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.162 W/kg

SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.077 W/kg

Maximum value of SAR (measured) = 0.121 W/kg



31-Left Head with Cheek on Middle Channel in LTE Band26 mode with Antenna 0

Date: 2022.03.15

Communication System Band: Band26; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.876$ S/m; $\epsilon_r = 41899$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.4 Liquid Temperature: 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.817 W/kg

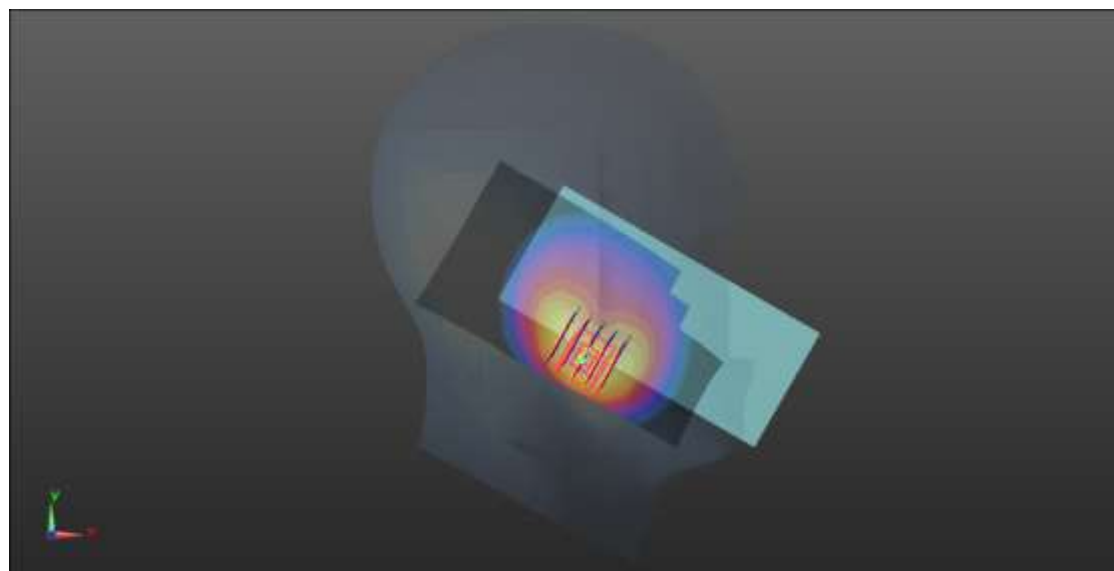
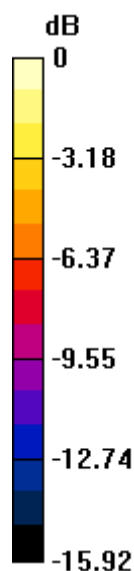
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.481 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 0.883 W/kg; SAR(10 g) = 0.442 W/kg

Maximum value of SAR (measured) = 0.896 W/kg



0 dB = 0.896 W/kg

32-Body Plane with Back Side 15mm on Middle Channel in LTE Band26 mode with Antenna 0

Date: 2022.03.16

Communication System Band: Band26; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 41.15$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.404 W/kg

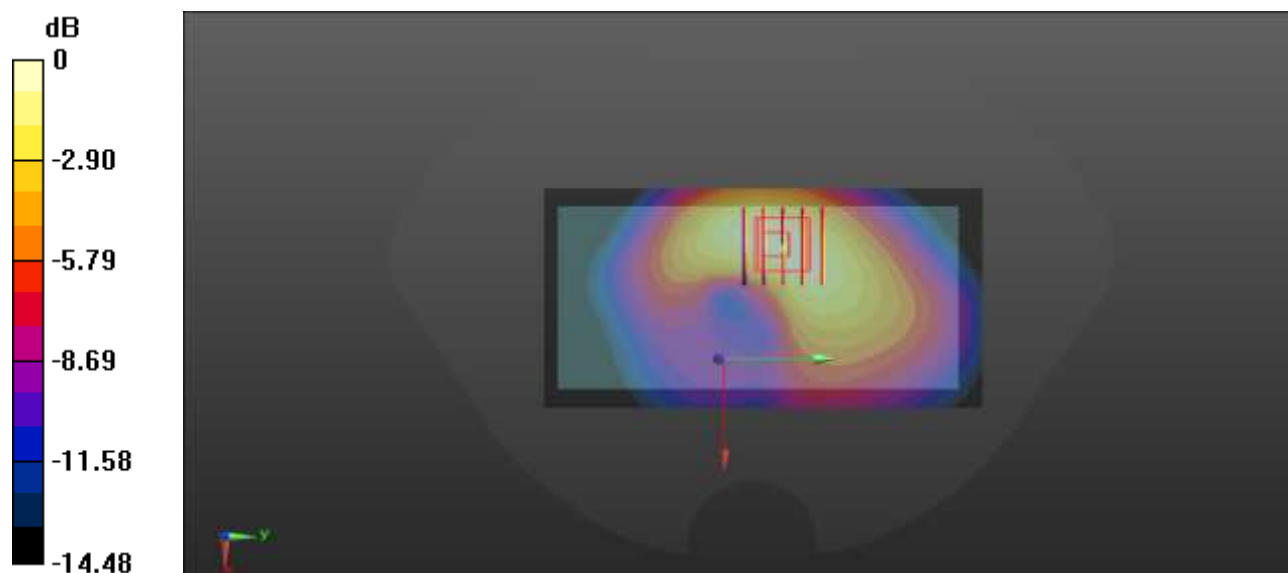
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.300 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.608 W/kg

SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.240 W/kg

Maximum value of SAR (measured) = 0.417 W/kg



0 dB = 0.417 W/kg

33-Body Plane with Right Edge 10mm on Middle Channel in LTE Band26 mode with Antenna 0

Date: 2022.03.16

Communication System Band: Band26; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 41.15$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.644 W/kg

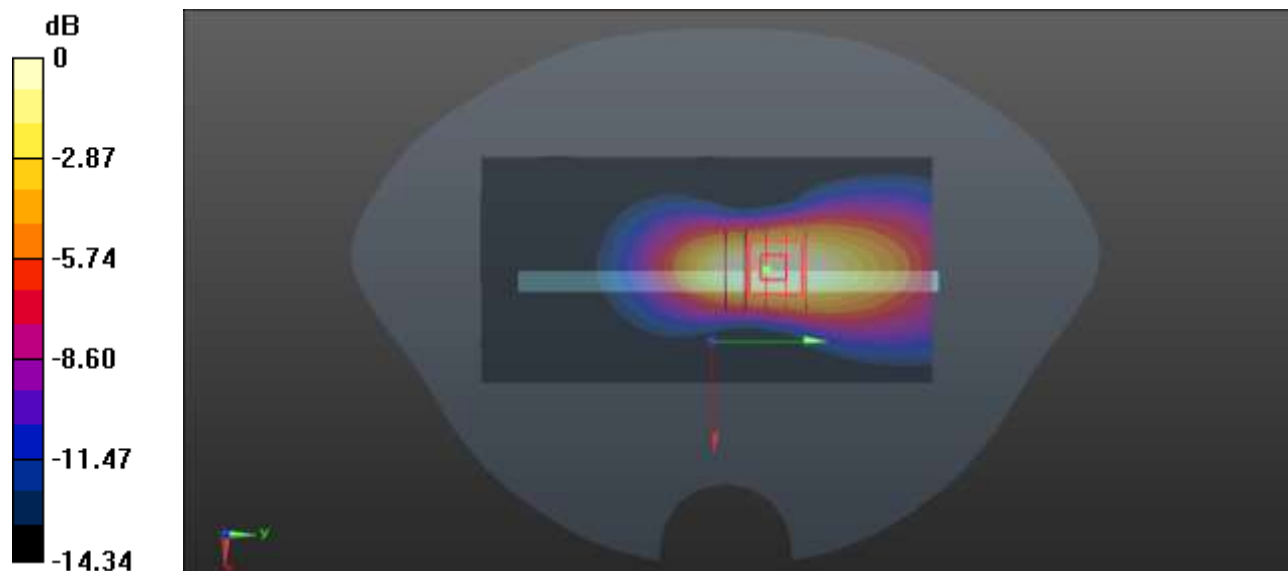
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.88 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.789 W/kg

SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.255 W/kg

Maximum value of SAR (measured) = 0.503 W/kg



0 dB = 0.503 W/kg

34-Right Head with Cheek on Low Channel in LTE Band38 mode with Antenna 3

Date: 2022.03.30

Communication System Band: Band38; Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.942$ S/m; $\epsilon_r = 39.815$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.868 W/kg

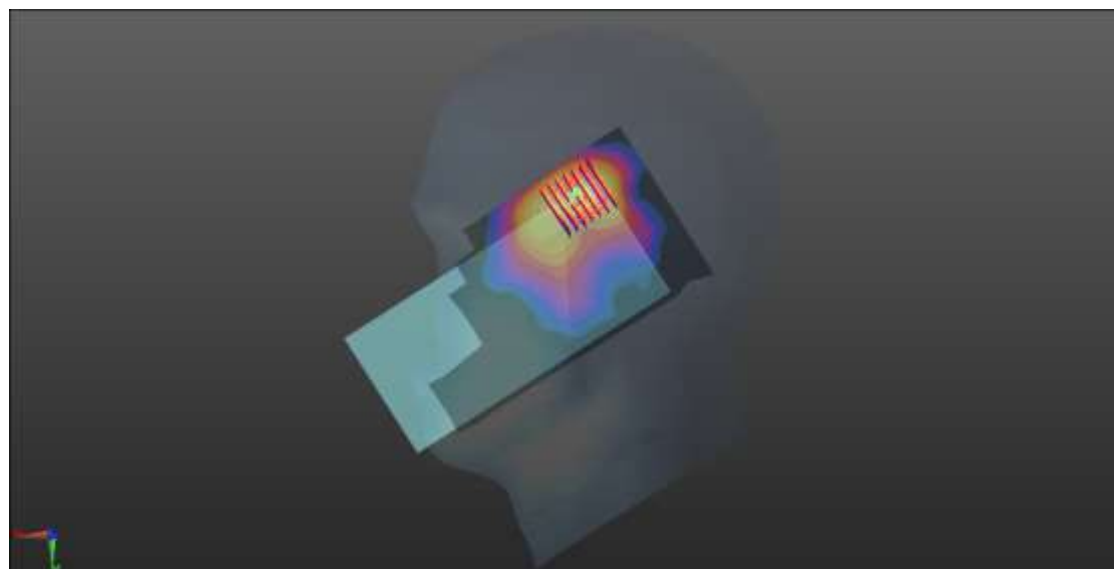
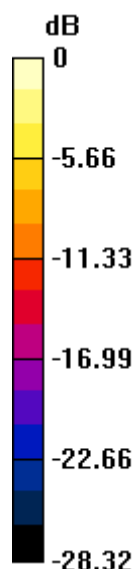
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.566 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 0.772 W/kg; SAR(10 g) = 0.314 W/kg

Maximum value of SAR (measured) = 0.906 W/kg



0 dB = 0.906 W/kg

35-Body Plane with Back Side 15mm on Low Channel in LTE Band38 mode with Antenna 3

Date: 2022.03.31

Communication System Band: Band38; Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.949$ S/m; $\epsilon_r = 38.986$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.283 W/kg

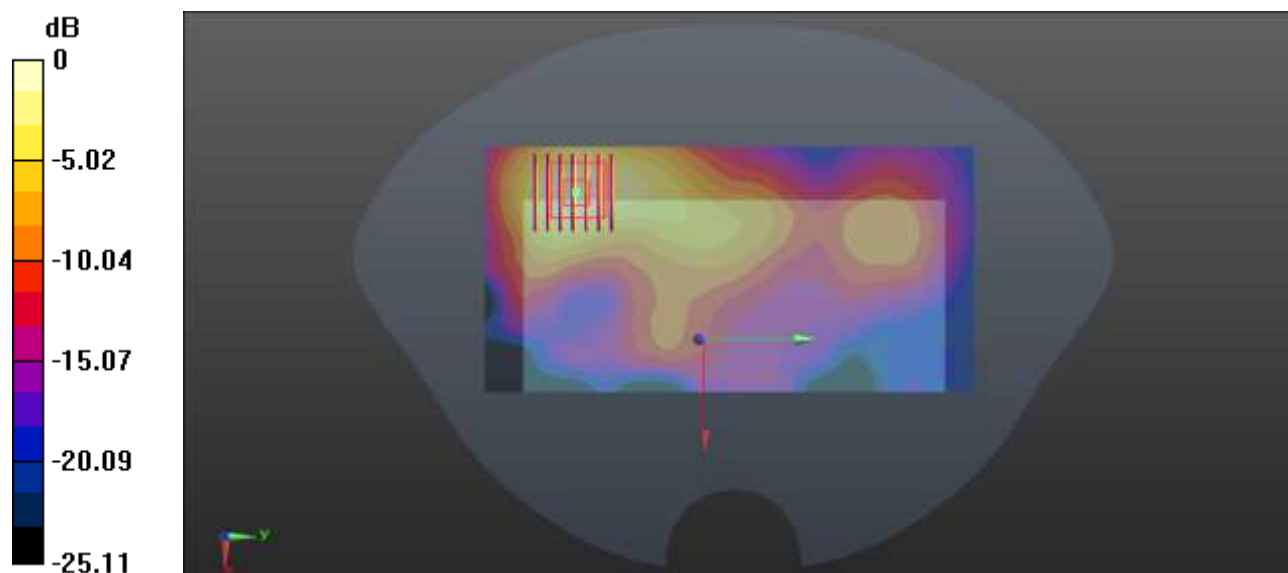
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.907 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.495 W/kg

SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.131 W/kg

Maximum value of SAR (measured) = 0.284 W/kg



0 dB = 0.284 W/kg

36-Body Plane with Right Edge 10mm on Low Channel in LTE Band38 mode with Antenna 3

Date: 2022.03.31

Communication System Band: Band38; Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.949$ S/m; $\epsilon_r = 38.986$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (51x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.918 W/kg

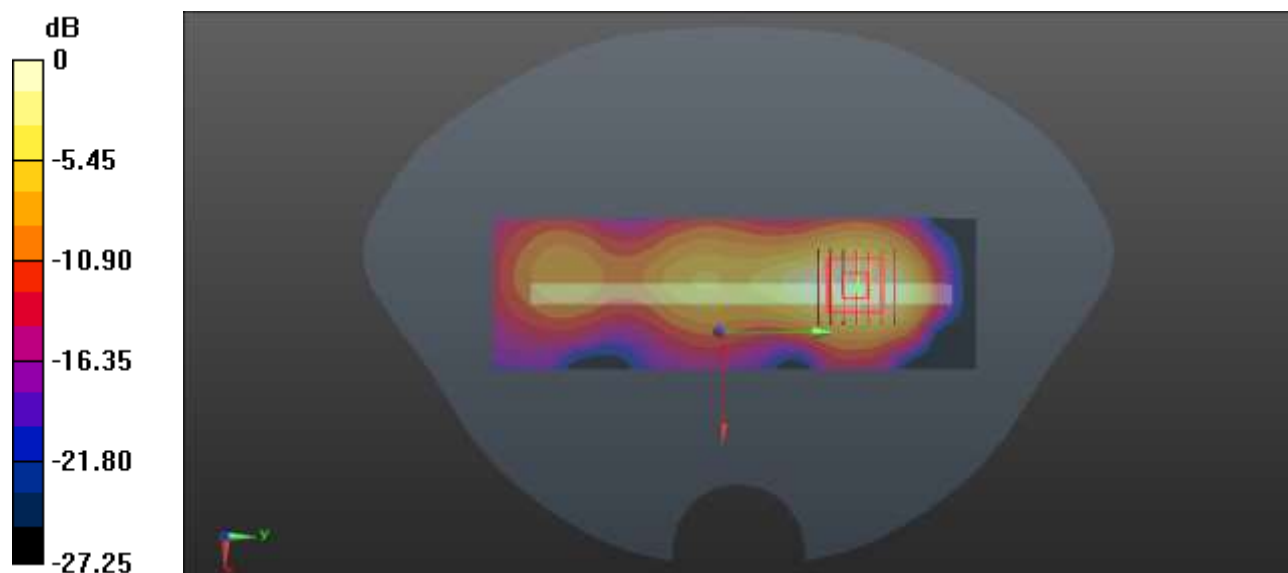
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.378 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.284 W/kg

Maximum value of SAR (measured) = 0.705 W/kg



0 dB = 0.705 W/kg

37-Body Plane with Right Edge 0mm on Low Channel in LTE Band38 mode with Antenna 3

Date: 2022.03.31

Communication System Band: Band38; Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.949$ S/m; $\epsilon_r = 38.986$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (71x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 7.01 W/kg

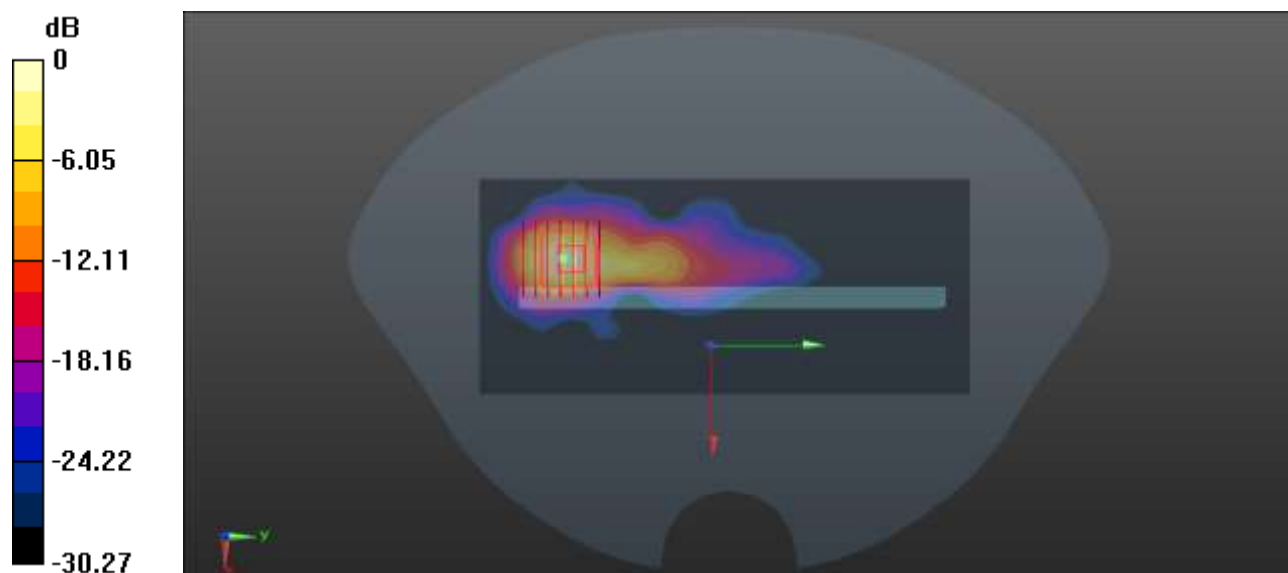
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.389 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 14.3 W/kg

SAR(1 g) = 5.31 W/kg; SAR(10 g) = 1.9 W/kg

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



0 dB = 6.62 W/kg

38-Right Head with Cheek on Middle Channel in LTE Band41 mode with Antenna3

Date: 2022.04.02

Communication System Band: Band41; Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.968$ S/m; $\epsilon_r = 39.971$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.842 W/kg

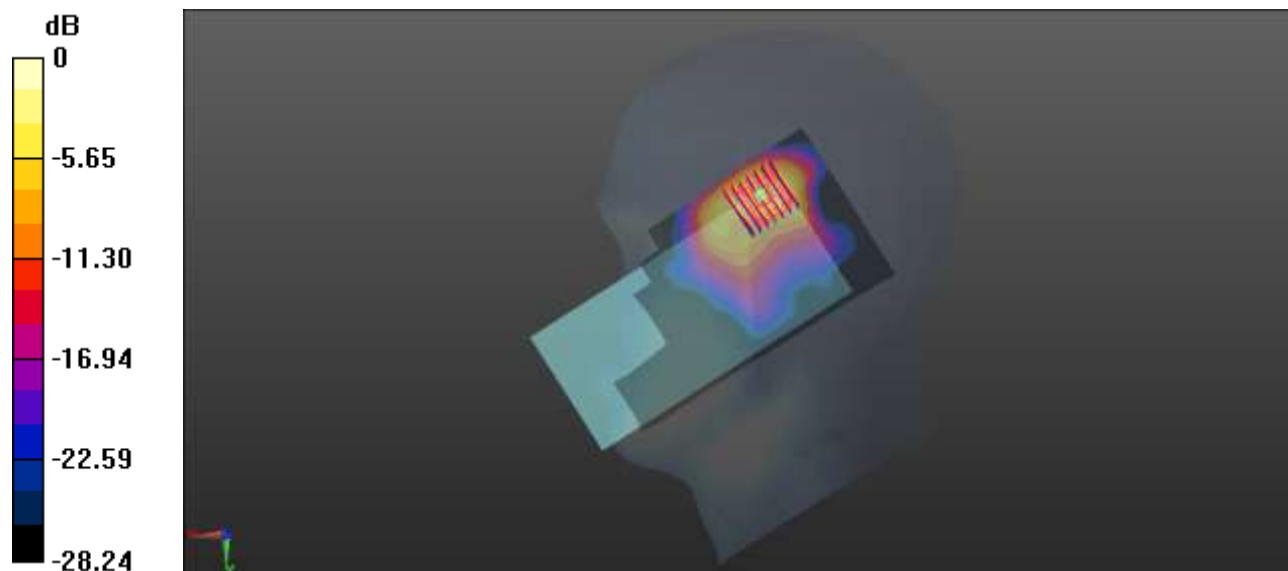
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.104 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 0.722 W/kg; SAR(10 g) = 0.299 W/kg

Maximum value of SAR (measured) = 0.846 W/kg



0 dB = 0.846 W/kg

39-Body Plane with Back Side 15mm on Middle Channel in LTE Band41 mode with Antenna 3

Date: 2022.04.03

Communication System Band: Band41; Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 39.101$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.330 W/kg

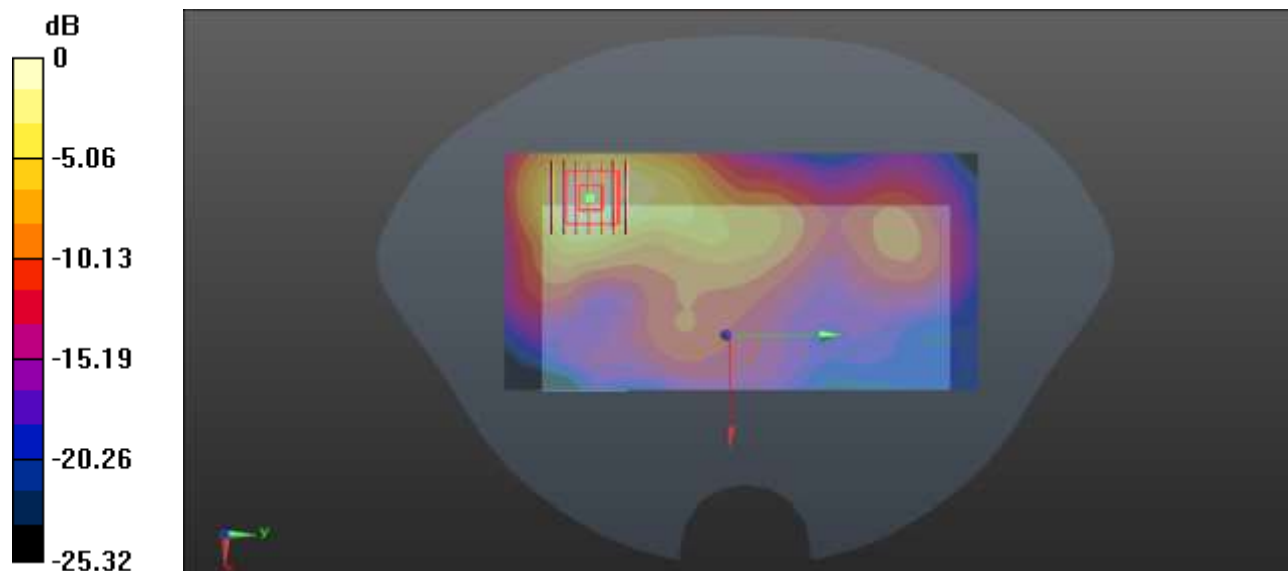
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.803 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.571 W/kg

SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.333 W/kg



0 dB = 0.333 W/kg

40-Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band41 mode with Antenna 4

Date: 2022.04.03

Communication System Band: Band41; Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 39.101$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (51x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.710 W/kg

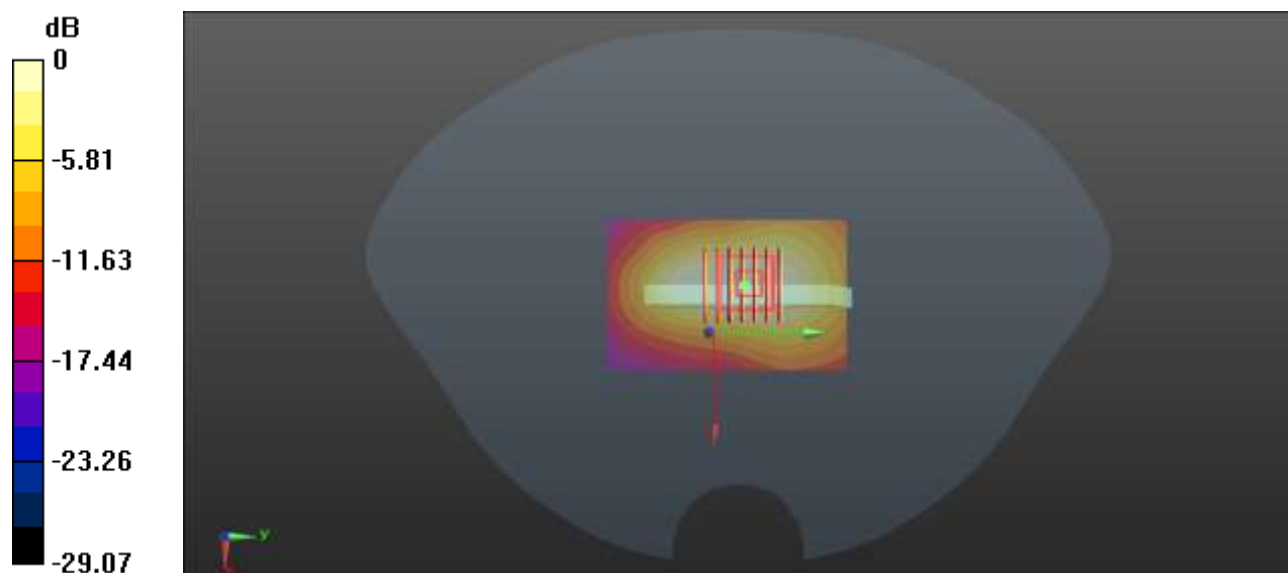
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.80 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.921 W/kg

SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.231 W/kg

Maximum value of SAR (measured) = 0.533 W/kg



0 dB = 0.533 W/kg

41-Left Head with Cheek on 167300 Channel in N5 mode with Antenna 0

Date: 2022.03.17

Communication System Band: N5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.909$ S/m; $\epsilon_r = 41.582$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.1 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.670 W/kg

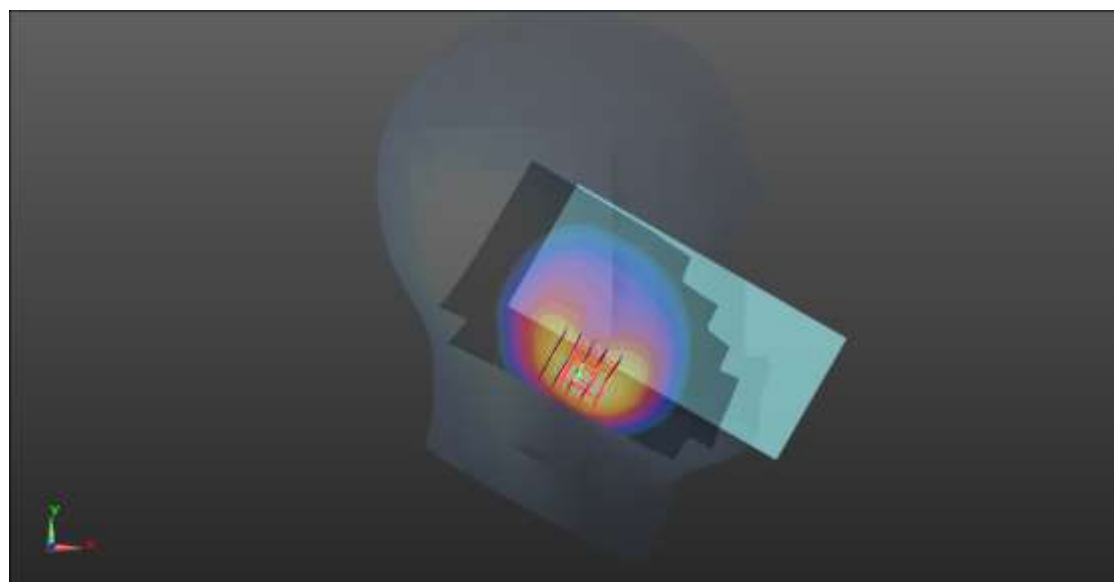
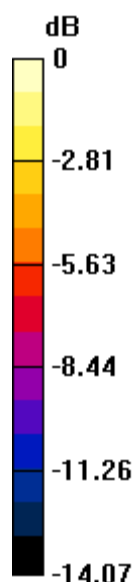
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.591 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.705 W/kg; SAR(10 g) = 0.365 W/kg

Maximum value of SAR (measured) = 0.714 W/kg



0 dB = 0.714 W/kg

42-Body Plane with Back Side 15mm on 166800 Channel in N5 mode with Antenna 0

Date: 2022.03.17

Communication System Band: N5; Frequency: 834 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 834$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 42.086$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch166800/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.427 W/kg

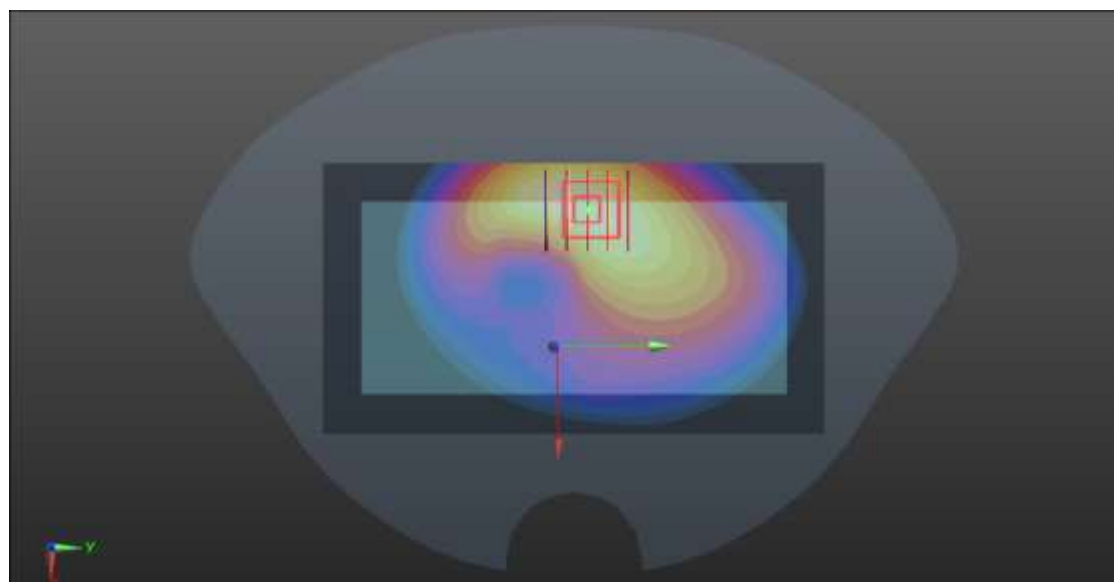
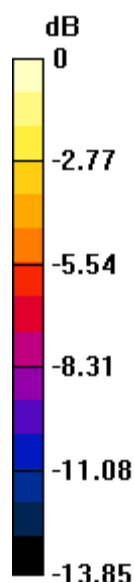
Ch166800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.230 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.620 W/kg

SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.251 W/kg

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



0 dB = 0.435 W/kg

43-Body Plane with Right Edge 10mm on 167800 Channel in N5 mode with Antenna 0

Date: 2022.03.17

Communication System Band: N5; Frequency: 839 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 839 \text{ MHz}$; $\sigma = 0.912 \text{ S/m}$; $\epsilon_r = 41.499$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.1 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.3, 10.3, 10.3); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch167800/Area Scan (61x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.406 W/kg

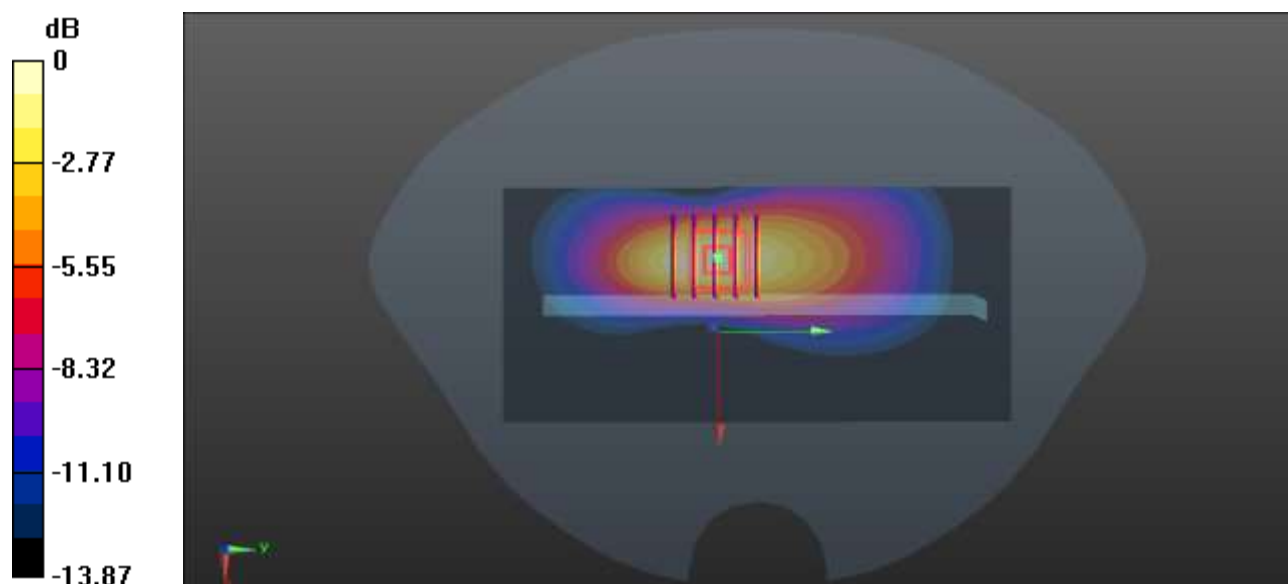
Ch167800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.34 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.612 W/kg

SAR(1 g) = 0.361 W/kg ; SAR(10 g) = 0.205 W/kg

Maximum value of SAR (measured) = 0.403 W/kg



0 dB = 0.403 W/kg

44-Right Head with Cheek on 511000 Channel in N7 mode with Antenna 3

Date: 2022.03.28

Communication System Band: N7; Frequency: 2555 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2555$ MHz; $\sigma = 1.877$ S/m; $\epsilon_r = 38.93$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch511000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.888 W/kg

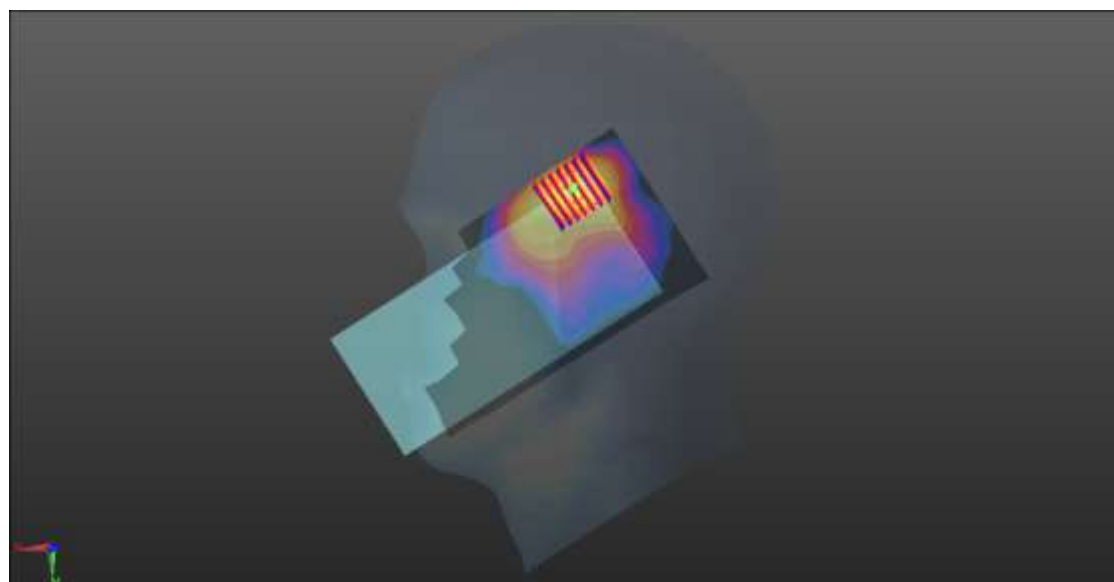
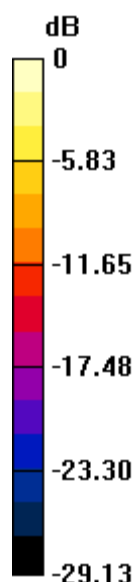
Ch511000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.620 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 0.721 W/kg; SAR(10 g) = 0.319 W/kg

Maximum value of SAR (measured) = 0.883 W/kg



0 dB = 0.883 W/kg

45-Body Plane with Back Side 15mm on 507000 Channel in N7 mode with Antenna 3

Date: 2022.03.29

Communication System Band: N7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.862$ S/m; $\epsilon_r = 38.387$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.332 W/kg

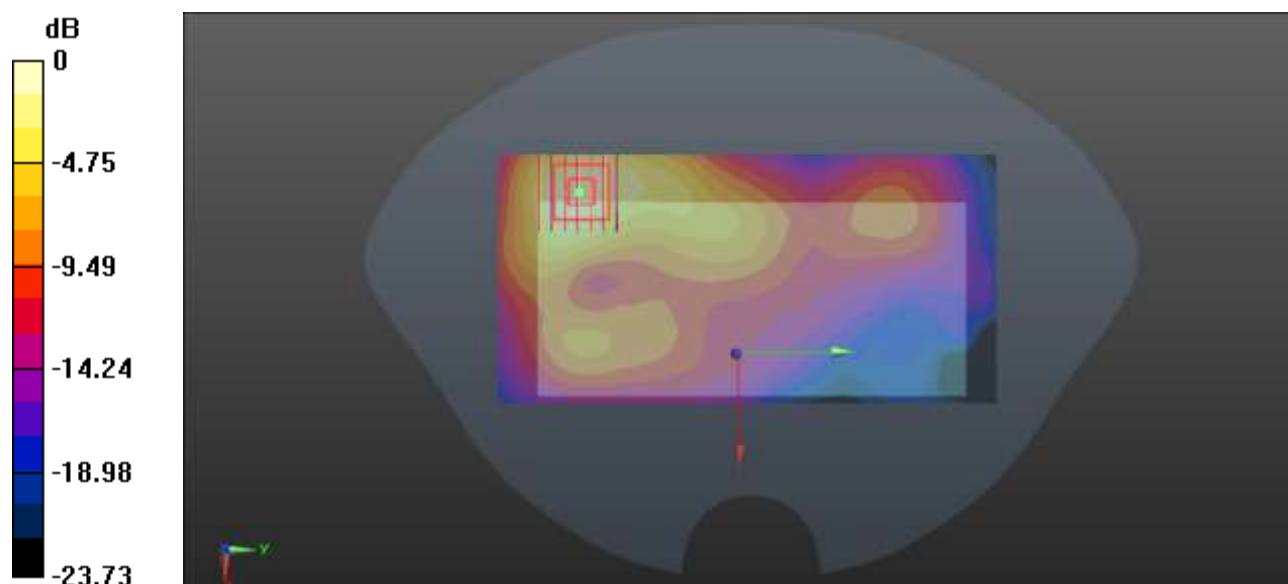
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.563 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.577 W/kg

SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.150 W/kg

Maximum value of SAR (measured) = 0.336 W/kg



0 dB = 0.336 W/kg

46-Body Plane with Right Edge 10mm on 511000 Channel in N7 mode with Antenna 3-Tx18

Date: 2022.03.29

Communication System Band: N7; Frequency: 2555 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2555$ MHz; $\sigma = 1.893$ S/m; $\epsilon_r = 38.233$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch512000/Area Scan (61x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.496 W/kg

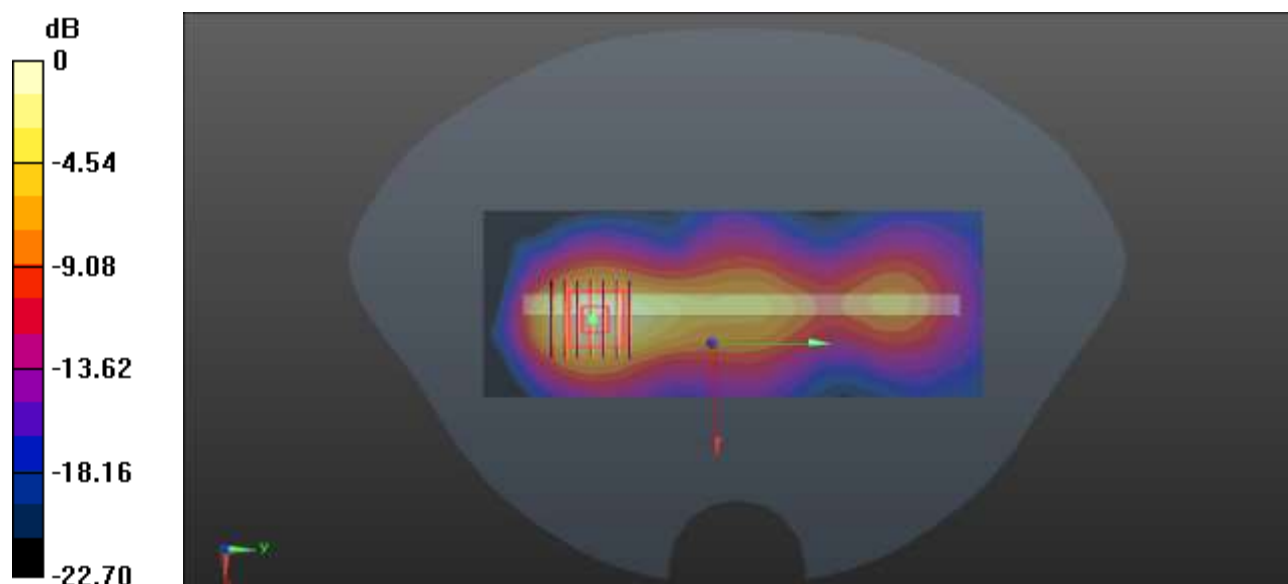
Ch512000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.318 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.800 W/kg

SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 0.463 W/kg



0 dB = 0.463 W/kg

47-Right Head with Cheek on 520000 Channel in N38 mode with Antenna 3

Date: 2022.04.01

Communication System Band: N38; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 2$ S/m; $\epsilon_r = 37.642$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.1 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch520000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.961 W/kg

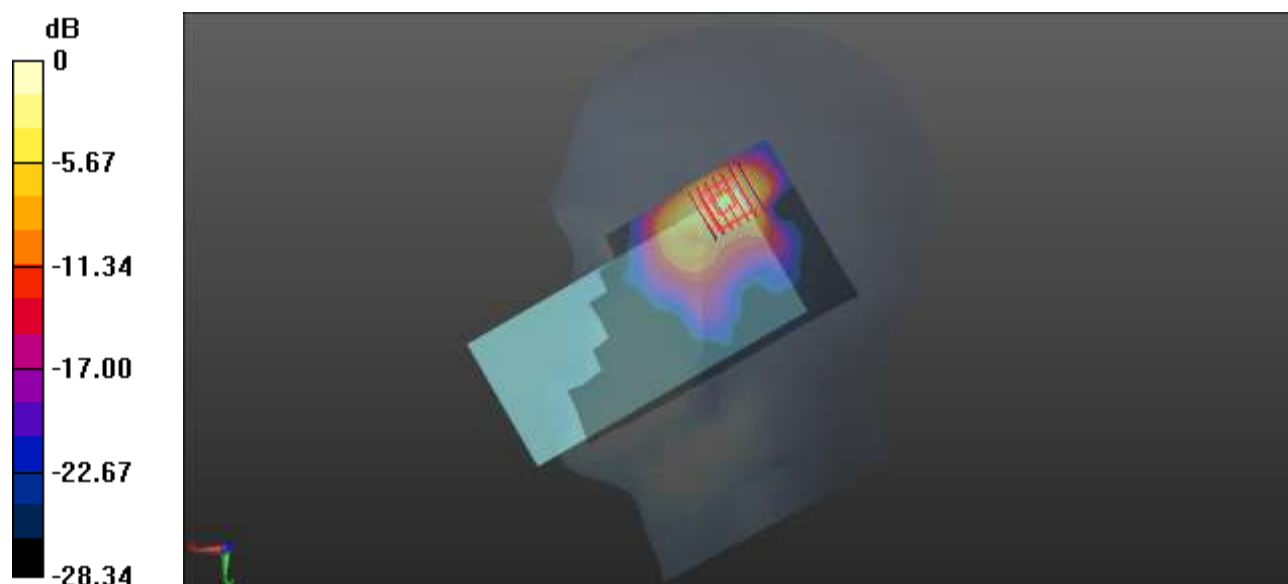
Ch520000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.496 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.10 W/kg

SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.346 W/kg

Maximum value of SAR (measured) = 0.976 W/kg



0 dB = 0.976 W/kg

48-Body Plane with Back Side 15mm on 519000 Channel in N38 mode with Antenna 3

Date: 2022.04.01

Communication System Band: N38; Frequency: 2595 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2595$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 37.793$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch519000/Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.356 W/kg

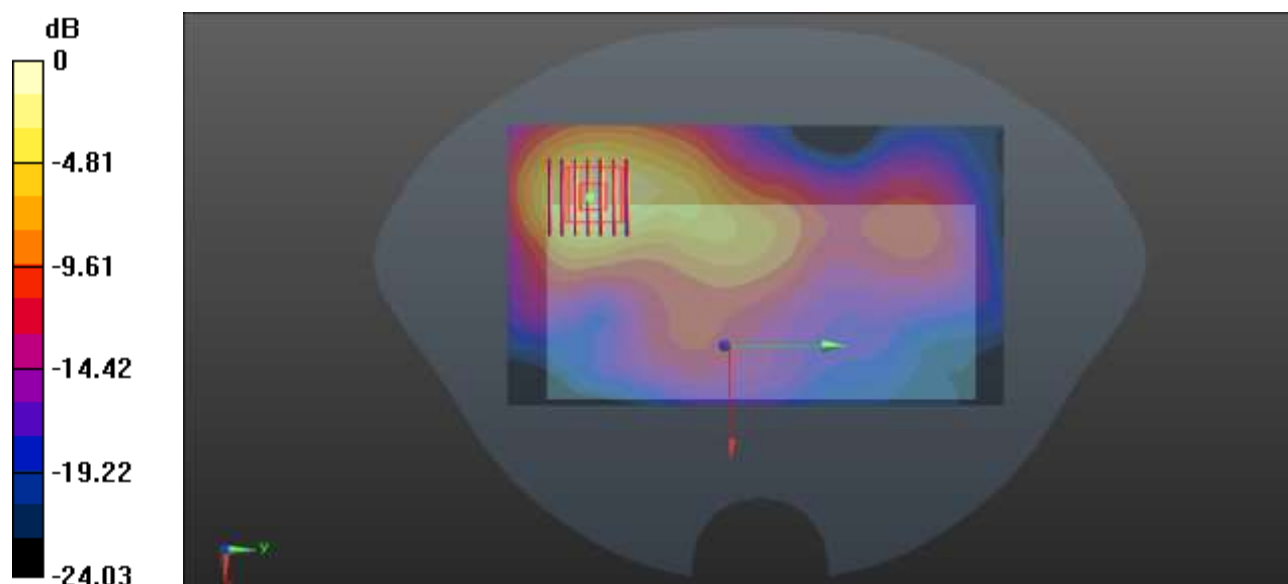
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.180 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.619 W/kg

SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.158 W/kg

Maximum value of SAR (measured) = 0.355 W/kg



0 dB = 0.355 W/kg

49-Body Plane with Bottom Edge 10mm on 519000 Channel in N38 mode with Antenna 4

Date: 2022.04.01

Communication System Band: N38; Frequency: 2595 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2595$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 37.793$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch519000/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.716 W/kg

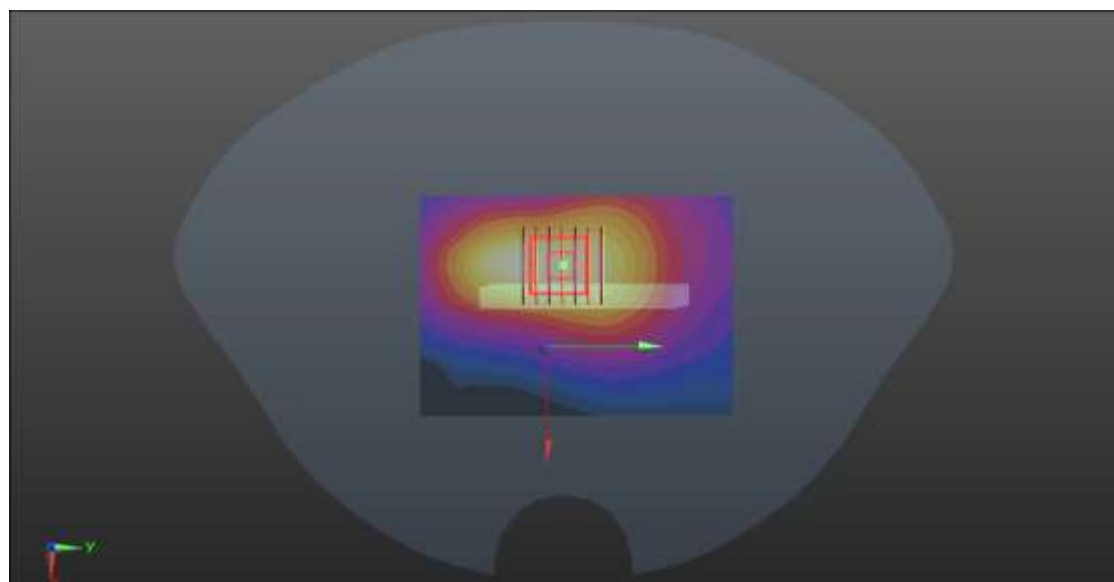
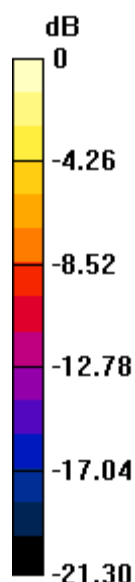
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.17 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.631 W/kg; SAR(10 g) = 0.311 W/kg

Maximum value of SAR (measured) = 0.716 W/kg



0 dB = 0.716 W/kg

50-Right Head with Cheek on 518598 Channel in N41 mode with Antenna 3

Date: 2022.04.04

Communication System Band: N41; Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.993$ S/m; $\epsilon_r = 39.929$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

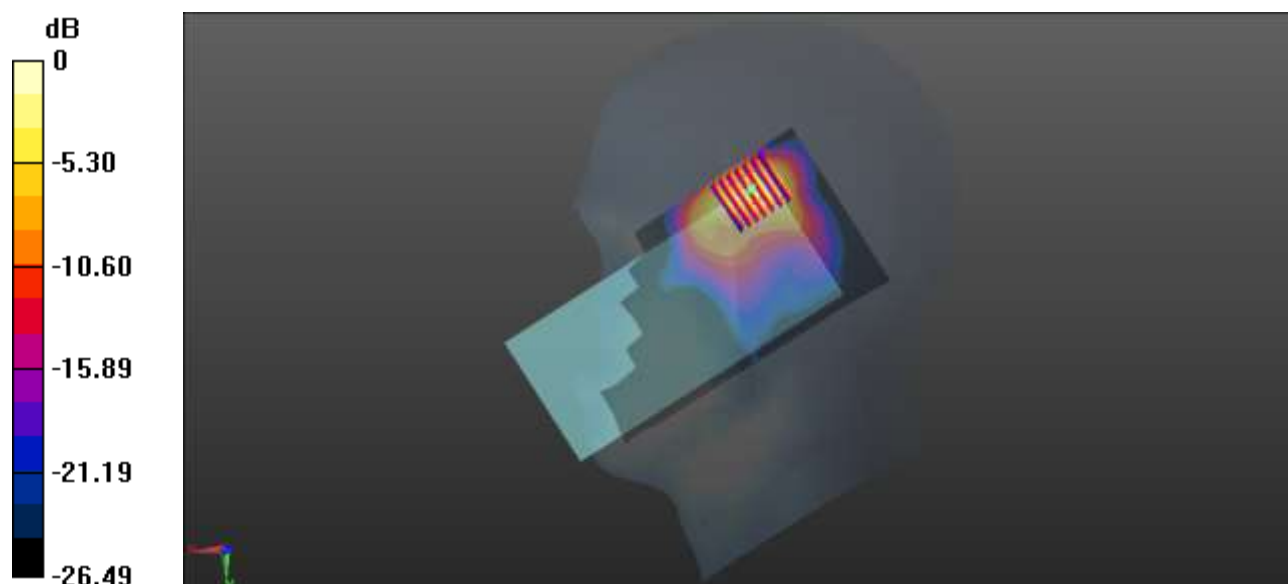
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.200 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.12 W/kg

SAR(1 g) = 0.863 W/kg; SAR(10 g) = 0.360 W/kg

Maximum value of SAR (measured) = 0.986 W/kg



0 dB = 0.986 W/kg

51-Body Plane with Back Side 15mm on 518598 Channel in N41 mode with Antenna 3

Date: 2022.04.04

Communication System Band: N41; Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.993$ S/m; $\epsilon_r = 39.929$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.384 W/kg

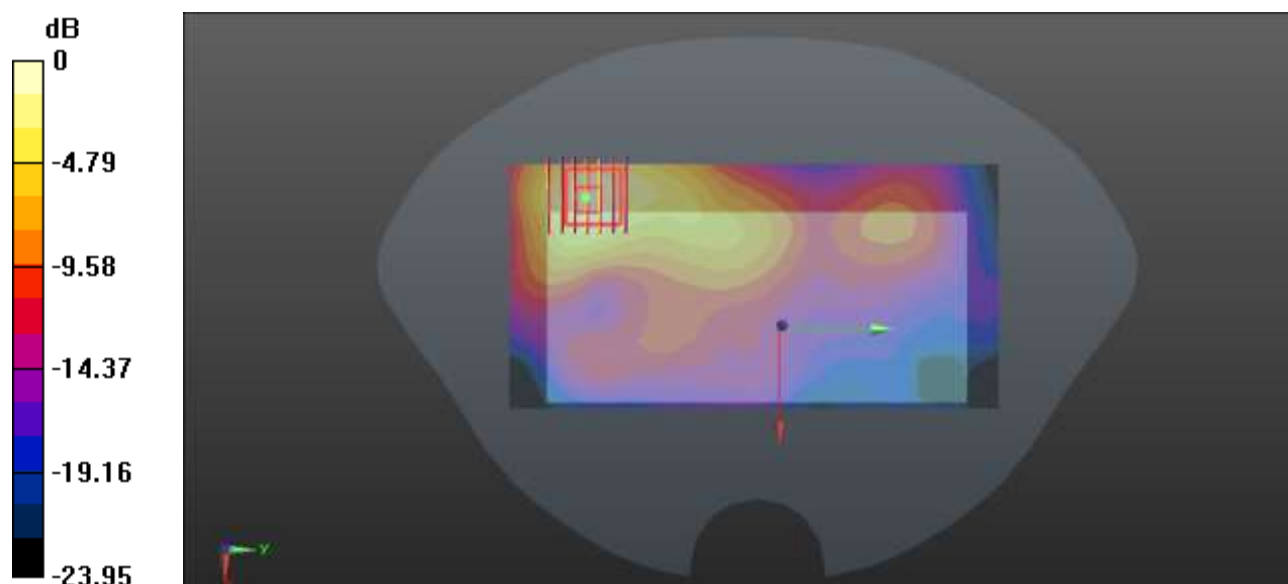
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.660 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.669 W/kg

SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 0.386 W/kg



52-Body Plane with Bottom Edge 10mm on 518598 Channel in N41 mode with Antenna 4

Date: 2022.04.04

Communication System Band: N41; Frequency: 2592.99 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.993$ S/m; $\epsilon_r = 39.929$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.49, 7.49, 7.49); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (71x101x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.677 W/kg

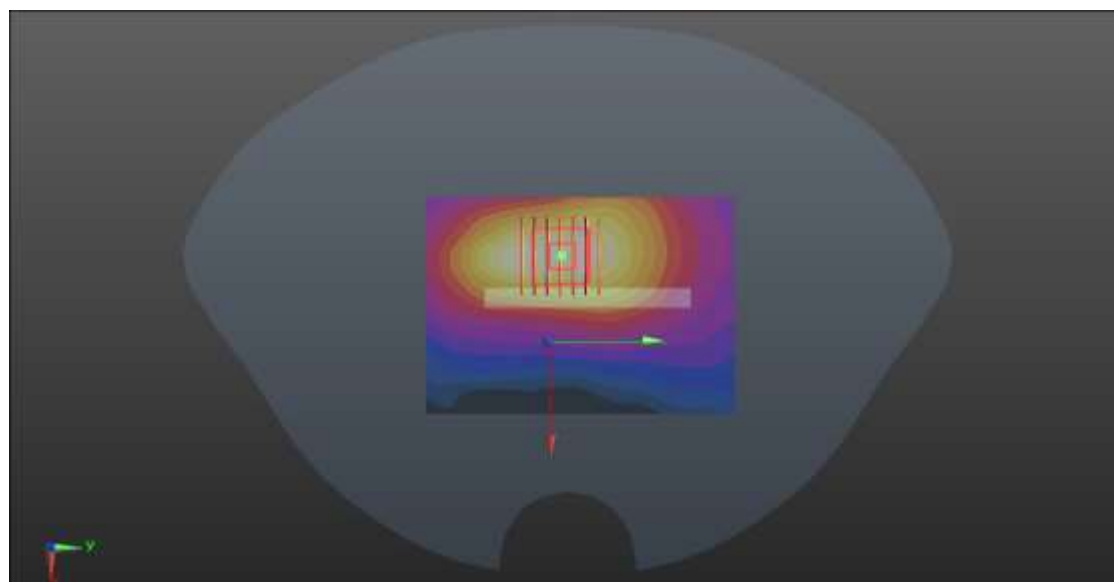
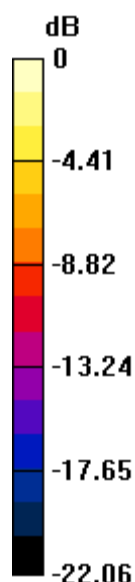
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.676 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.598 W/kg; SAR(10 g) = 0.298 W/kg

Maximum value of SAR (measured) = 0.678 W/kg



0 dB = 0.678 W/kg

53-Left Head with Cheek on 1 Channel in IEEE802.11b mode with Antenna6&9

Date: 2022.03.24

Communication System Band:WLAN(b); Frequency: 2412 MHz;Duty Cycle: 1:1.005

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.71$ S/m; $\epsilon_r = 39.818$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 1.04 W/kg

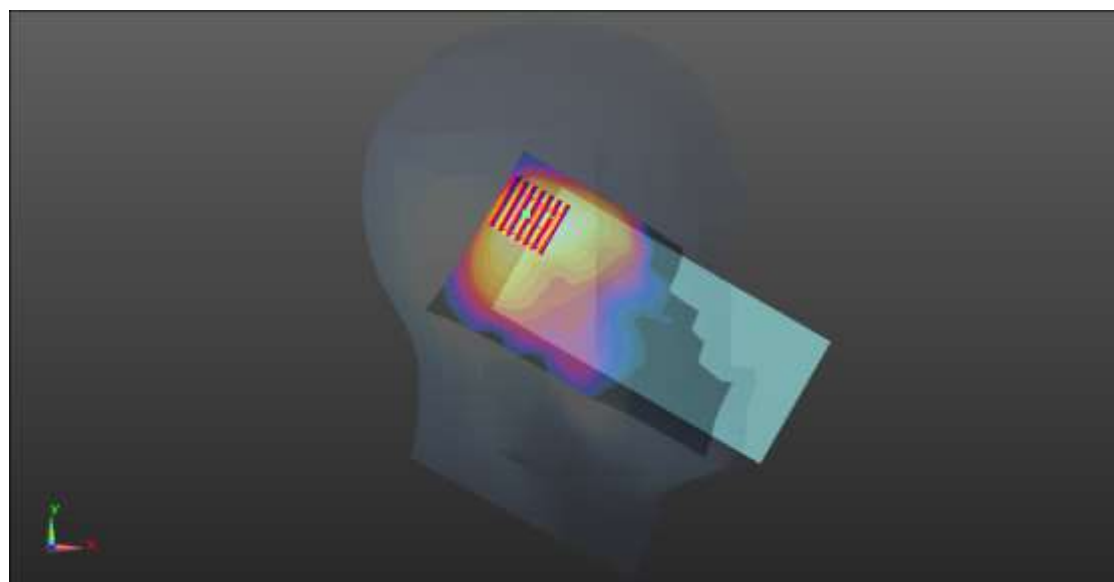
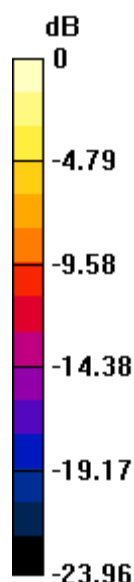
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.60 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 0.876 W/kg; SAR(10 g) = 0.437 W/kg

Maximum value of SAR (measured) = 0.963 W/kg



0 dB = 0.963 W/kg

54-Body Plane with Back Side 10mm on 6 Channel in IEEE802.11b mode with Antenna6&9

Date: 2022.03.25

Communication System Band:WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.005

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.782$ S/m; $\epsilon_r = 39.663$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.245 W/kg

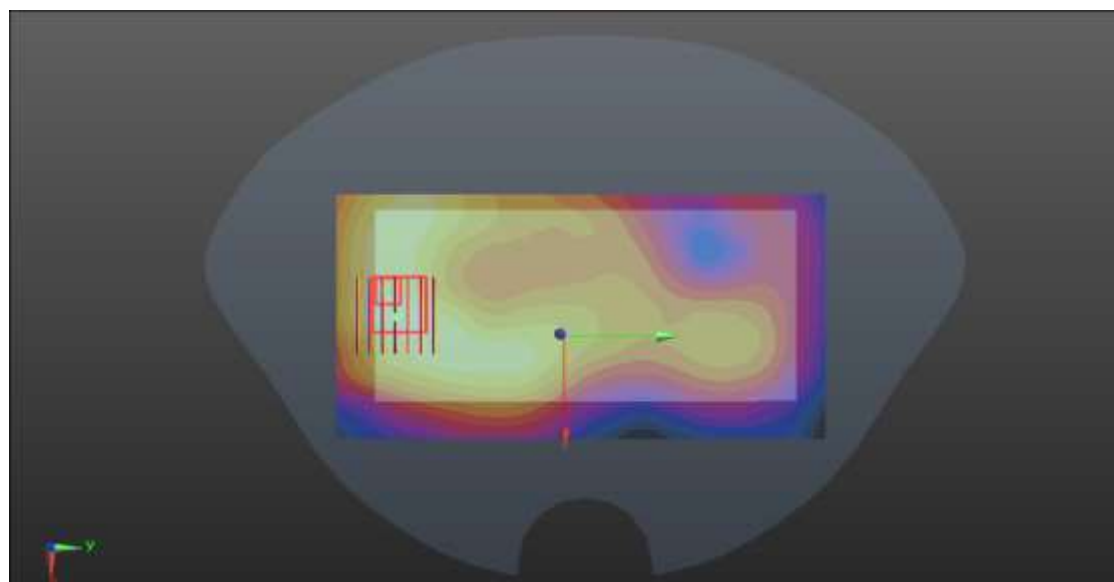
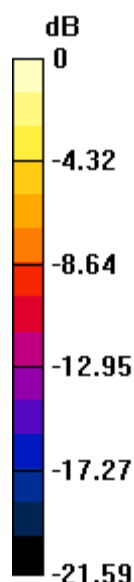
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.793 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.337 W/kg

SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.082 W/kg

Maximum value of SAR (measured) = 0.229 W/kg



0 dB = 0.229 W/kg

55-Body Plane with Left Edge 10mm on 6 Channel in IEEE802.11b mode with Antenna6&9

Date: 2022.03.25

Communication System Band:WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.005

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.782$ S/m; $\epsilon_r = 39.663$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (61x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.626 W/kg

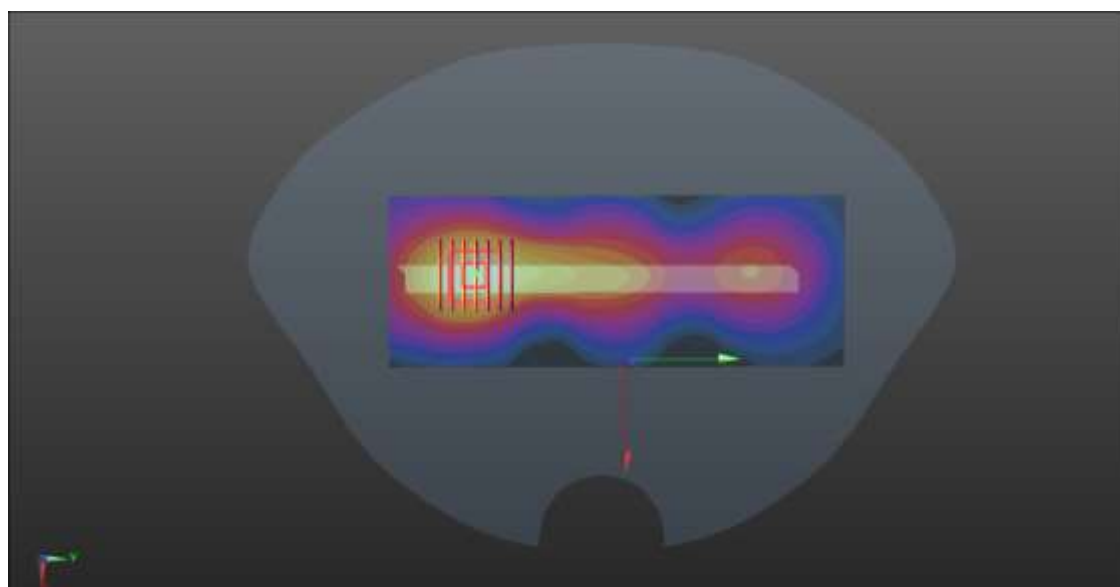
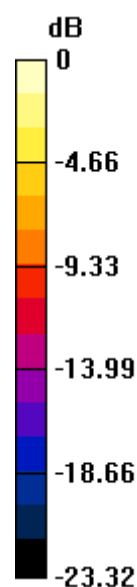
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.994 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.530 W/kg; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 0.608 W/kg



0 dB = 0.608 W/kg

56-Left Head with Cheek on 58 Channel in IEEE802.11ac80 mode with Antenna8&11

Date: 2022.04.05

Communication System Band: WLAN(ac80); Frequency: 5290 MHz; Duty Cycle: 1:1.171

Medium parameters used (interpolated): $f = 5290$ MHz; $\sigma = 4.762$ S/m; $\epsilon_r = 35.37$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 1.48 W/kg

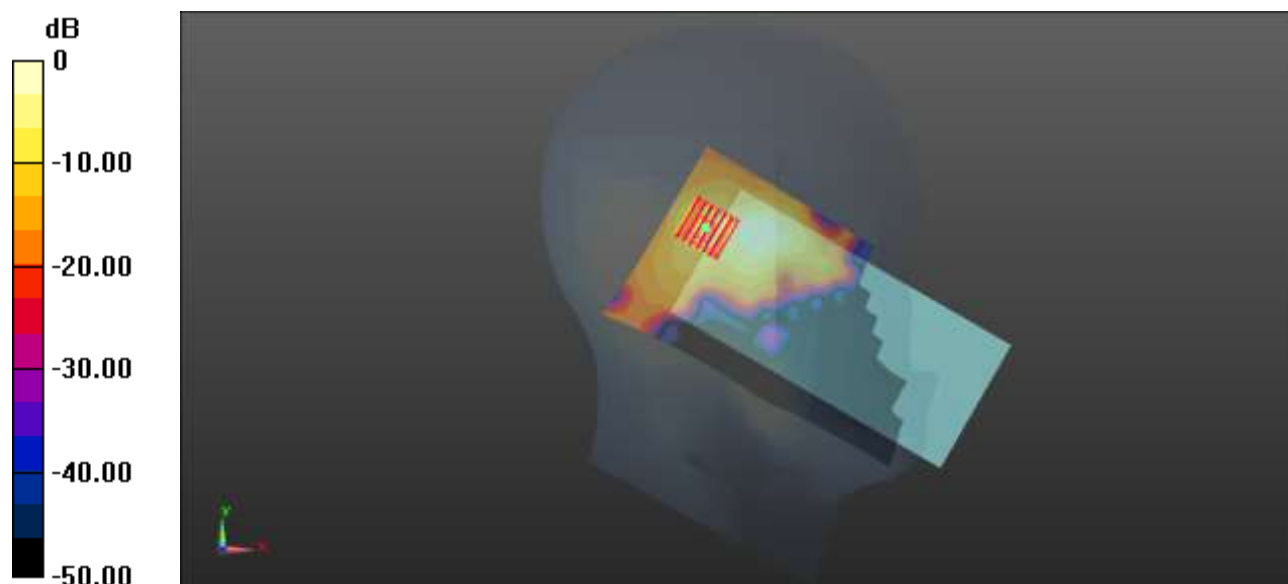
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.000 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.89 W/kg

SAR(1 g) = 0.617 W/kg; SAR(10 g) = 0.196 W/kg

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg

57-Left Head with Cheek on 122 Channel in IEEE802.11ac80 mode with Antenna8&11

Date: 2022.04.06

Communication System Band: WLAN(ac80); Frequency: 5610 MHz; Duty Cycle: 1:1.171

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.101$ S/m; $\epsilon_r = 35.666$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.9 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.88, 4.88, 4.88); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch122/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.82 W/kg

Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.635 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 3.76 W/kg

SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.209 W/kg

Maximum value of SAR (measured) = 1.74 W/kg



0 dB = 1.74 W/kg

58-Left Head with Cheek on 159 Channel in IEEE802.11n40 mode with Antenna8&11

Date: 2022.04.07

Communication System Band: WLAN(n40); Frequency: 5795 MHz; Duty Cycle: 1:1.07

Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 5.31$ S/m; $\epsilon_r = 35.16$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.92, 4.92, 4.92); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.26 W/kg

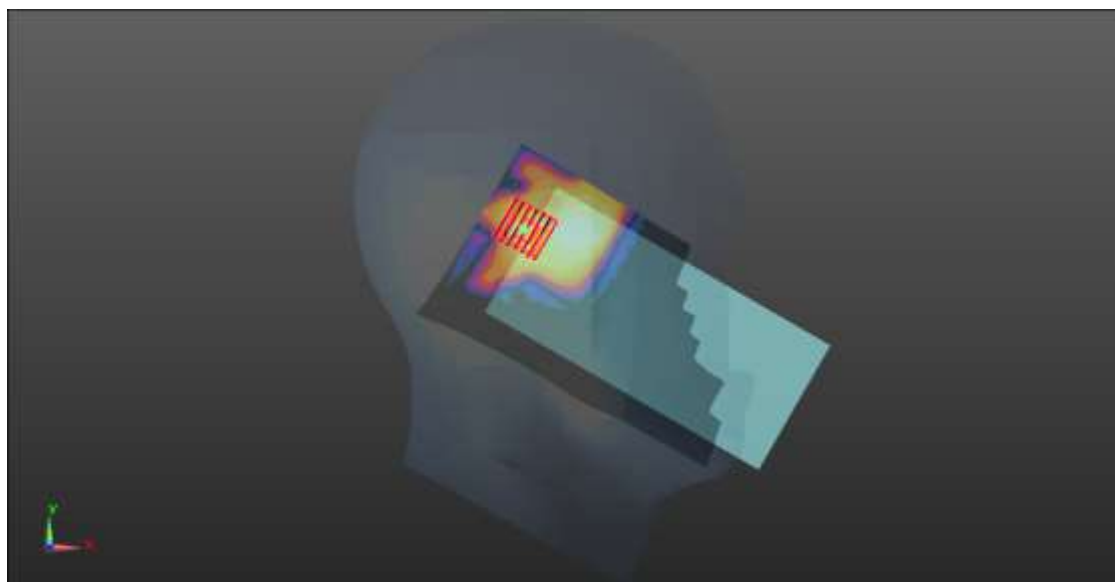
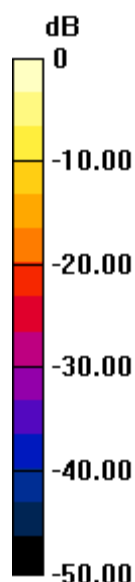
Ch159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.450 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.82 W/kg

SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.128 W/kg

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



0 dB = 1.21 W/kg

59-Body Plane with Back Side 15mm on 58 Channel in IEEE802.11ac80 mode with Antenna8&11

Date: 2022.04.05

Communication System Band: WLAN(ac80); Frequency: 5290 MHz; Duty Cycle: 1:1.171

Medium parameters used (interpolated): $f = 5290$ MHz; $\sigma = 4.762$ S/m; $\epsilon_r = 35.37$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 0.237 W/kg

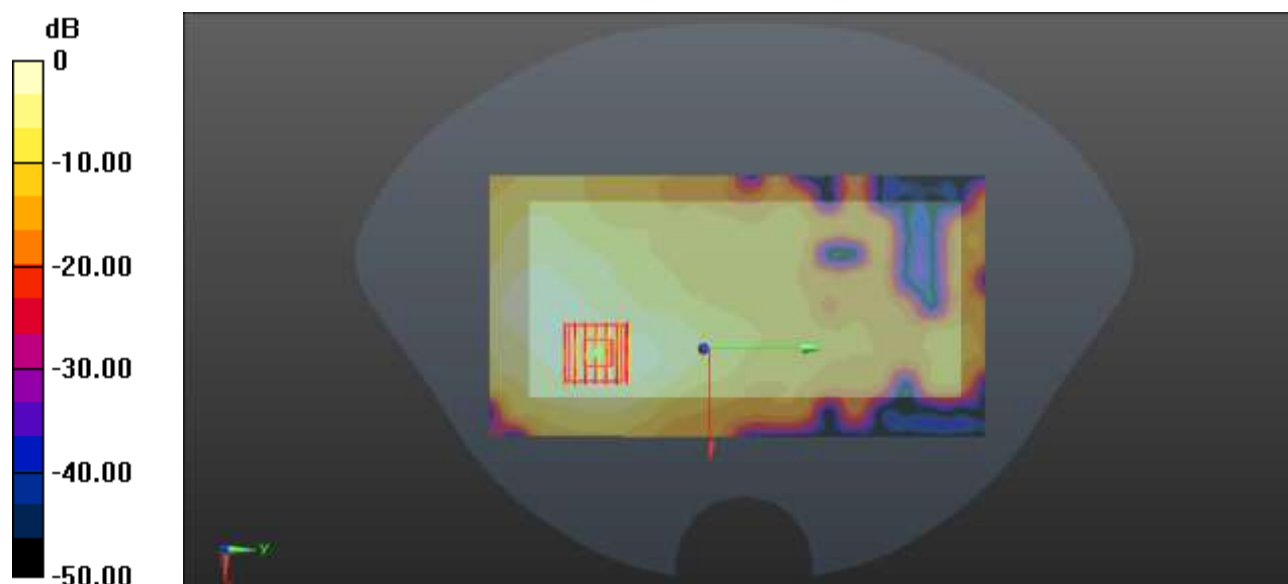
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.143 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.439 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.072 W/kg

Maximum value of SAR (measured) = 0.244 W/kg



60-Body Plane with Back Side 15mm on 122 Channel in IEEE802.11ac80 mode with Antenna8&11

Date: 2022.04.06

Communication System Band: WLAN(ac80); Frequency: 5610 MHz; Duty Cycle: 1:1.171

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.101$ S/m; $\epsilon_r = 35.666$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.9 Liquid Temperature: 21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.88, 4.88, 4.88); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch122/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.355 W/kg

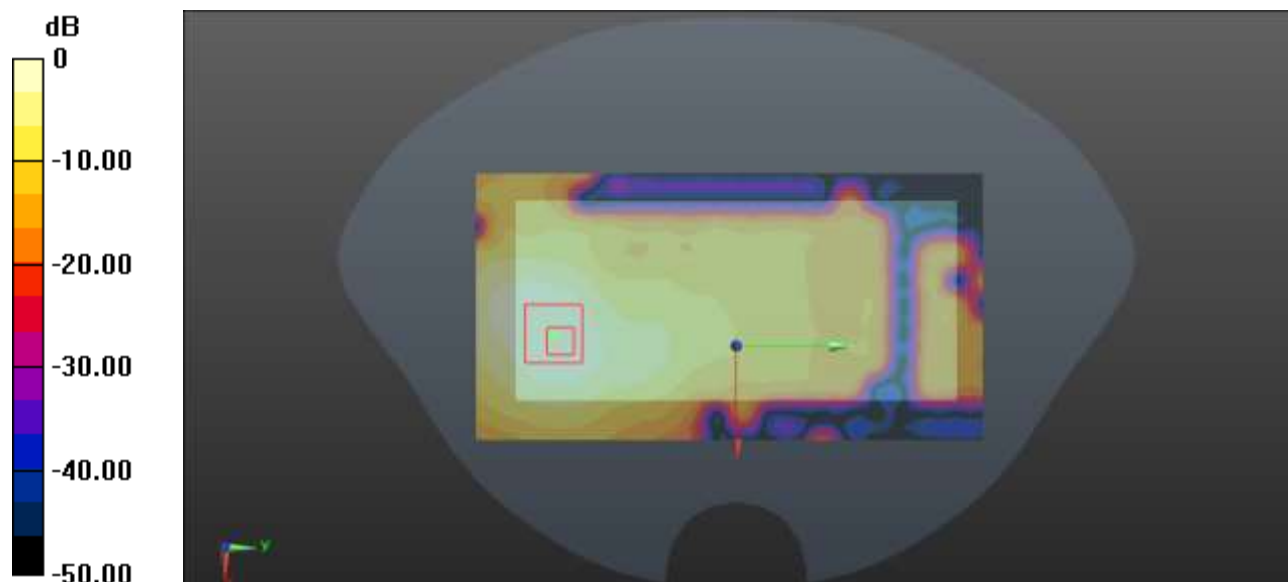
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.594 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.658 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.099 W/kg

Maximum value of SAR (measured) = 0.347 W/kg



0 dB = 0.347 W/kg

61-Body Plane with Back Side 15mm on 151 Channel in IEEE802.11n40 mode with Antenna8&11

Date: 2022.04.07

Communication System Band: WLAN(n40); Frequency: 5755 MHz; Duty Cycle: 1:1.07

Medium parameters used (interpolated): $f = 5755$ MHz; $\sigma = 5.246$ S/m; $\epsilon_r = 35.39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.8 Liquid Temperature: 21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.92, 4.92, 4.92); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch151/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

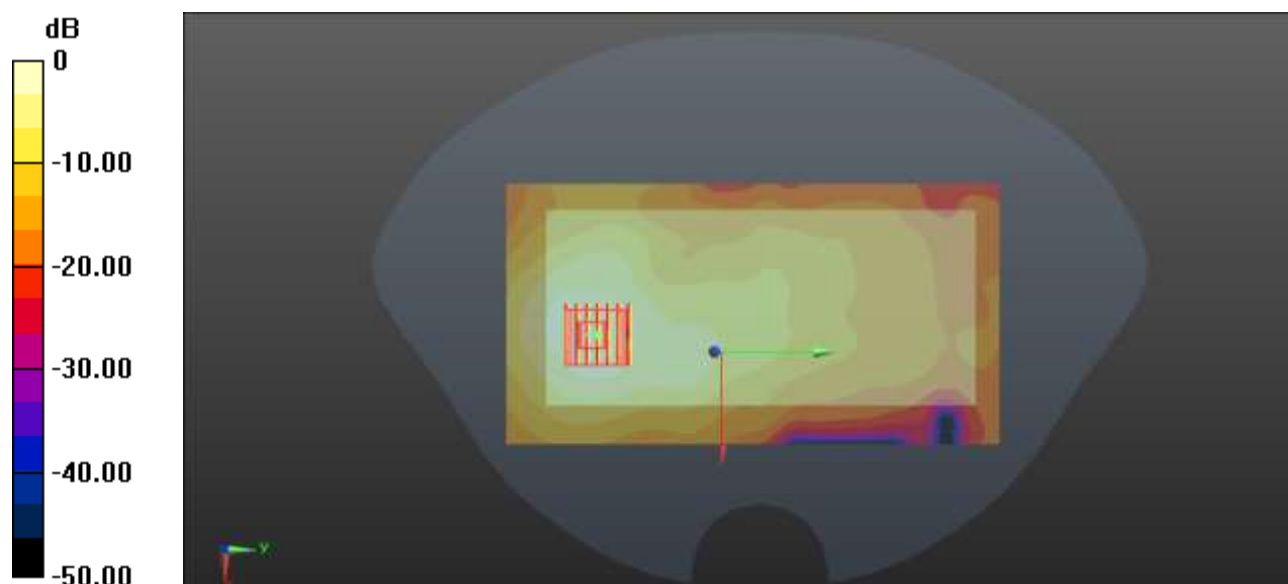
Ch151/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.702 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.27 W/kg

SAR(1 g) = 0.599 W/kg; SAR(10 g) = 0.245 W/kg

Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg

62-Body Plane with Left Edge 10mm on 38 Channel in IEEE802.11n40 mode with Antenna8&11

Date: 2022.04.05

Communication System Band: WLAN(n40); Frequency: 5190 MHz; Duty Cycle: 1:1.07

Medium parameters used (interpolated): $f = 5190$ MHz; $\sigma = 4.639$ S/m; $\epsilon_r = 35.723$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38/Area Scan (61x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.432 W/kg

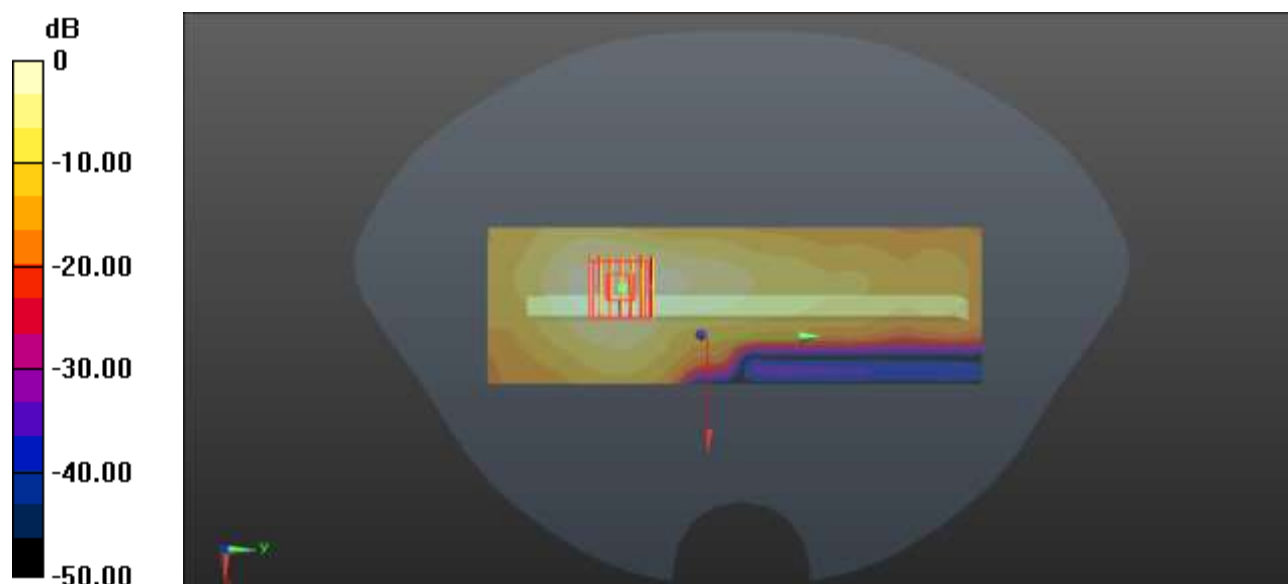
Ch38/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.881 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.775 W/kg

SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.092 W/kg

Maximum value of SAR (measured) = 0.438 W/kg



0 dB = 0.438 W/kg

63-Body Plane with Back Side 10mm on 151 Channel in IEEE802.11n40 mode with Antenna8&11

Date: 2022.04.07

Communication System Band: WLAN(n40); Frequency: 5755 MHz; Duty Cycle: 1:1.07

Medium parameters used (interpolated): $f = 5755$ MHz; $\sigma = 5.246$ S/m; $\epsilon_r = 35.39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.92, 4.92, 4.92); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch151/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

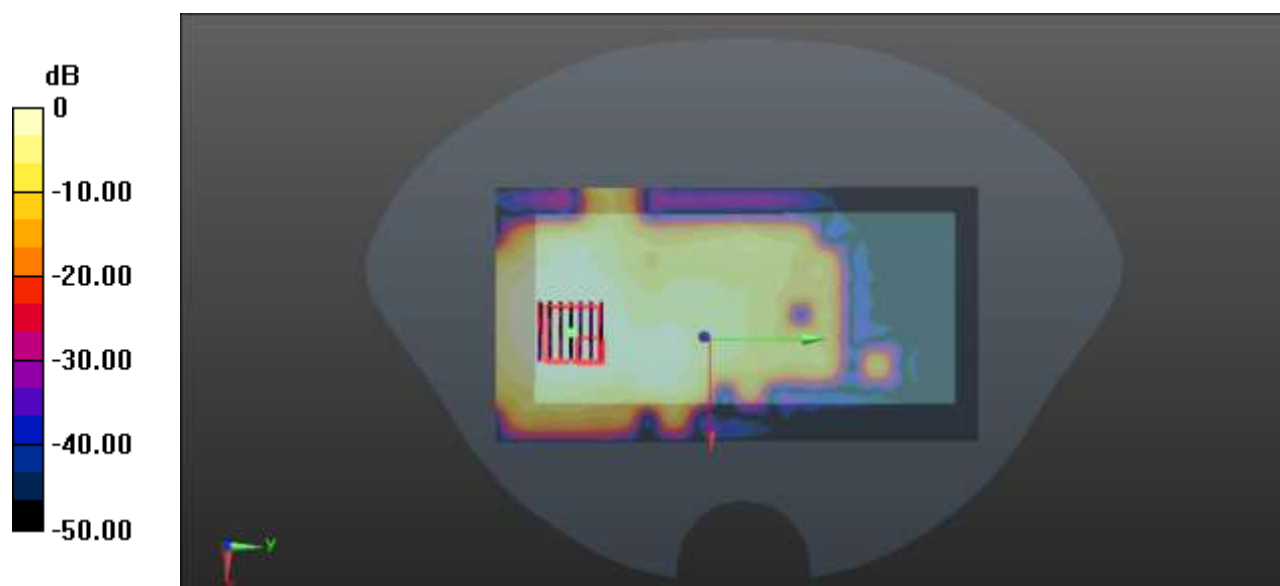
Ch151/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.702 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.27 W/kg

SAR(1 g) = 0.756 W/kg; SAR(10 g) = 0.345 W/kg

Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg

64-Body Plane with Top Edge 0mm on 58 Channel in IEEE802.11ac80 mode with Antenna8&11

Date: 2022.04.05

Communication System Band: WLAN(ac80); Frequency: 5290 MHz; Duty Cycle: 1:1.171

Medium parameters used (interpolated): $f = 5290$ MHz; $\sigma = 4.762$ S/m; $\epsilon_r = 35.37$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.46, 5.46, 5.46); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (91x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.04 W/kg

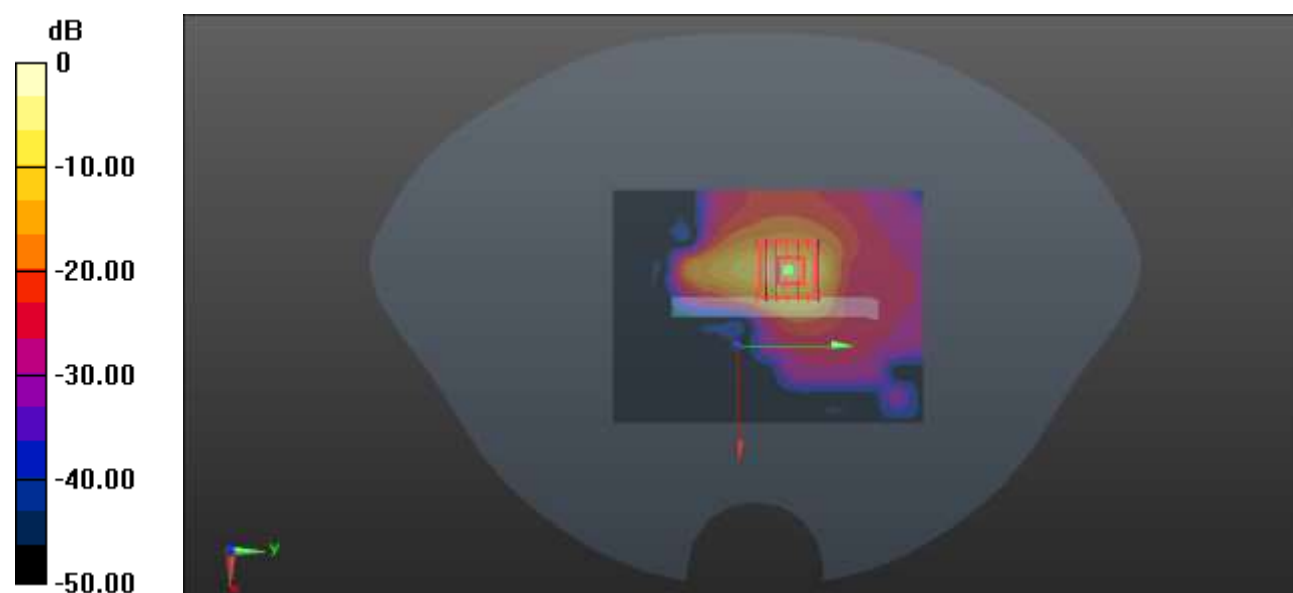
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.563 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 3.45 W/kg; SAR(10 g) = 0.881 W/kg

Maximum value of SAR (measured) = 7.99 W/kg



0 dB = 7.99 W/kg

65-Body Plane with Left Edge 0mm on 122 Channel in IEEE802.11ac80 mode with Antenna8&11

Date: 2022.04.06

Communication System Band: WLAN(ac80); Frequency: 5610 MHz; Duty Cycle: 1:1.171

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.101$ S/m; $\epsilon_r = 35.666$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.88, 4.88, 4.88); Calibrated: 2021.08.12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch122/Area Scan (61x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.58 W/kg

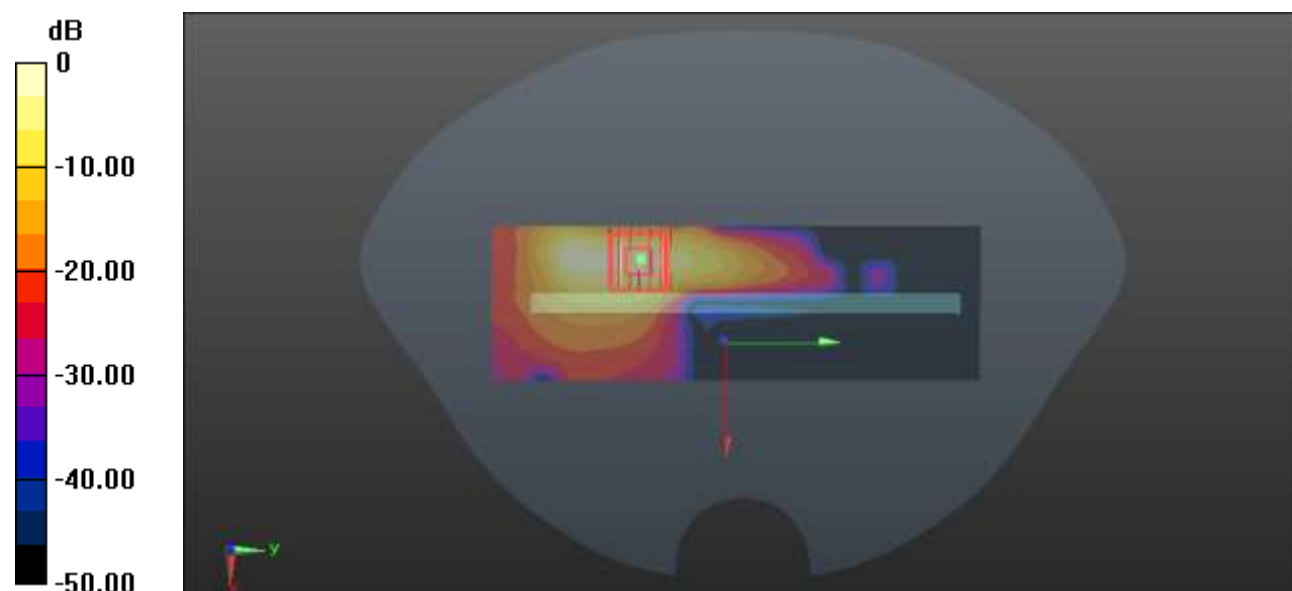
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 15.6 W/kg

SAR(1 g) = 2.67 W/kg; SAR(10 g) = 0.685 W/kg

Maximum value of SAR (measured) = 5.75 W/kg



0 dB = 5.75 W/kg

66-Left Head with Cheek on 39 Channel in Bluetooth mode with Antenna 9

Date: 2022.03.24

Communication System Band: BT; Frequency: 2441 MHz; Duty Cycle: 1:1.301

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.741$ S/m; $\epsilon_r = 39.548$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.6 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.209 W/kg

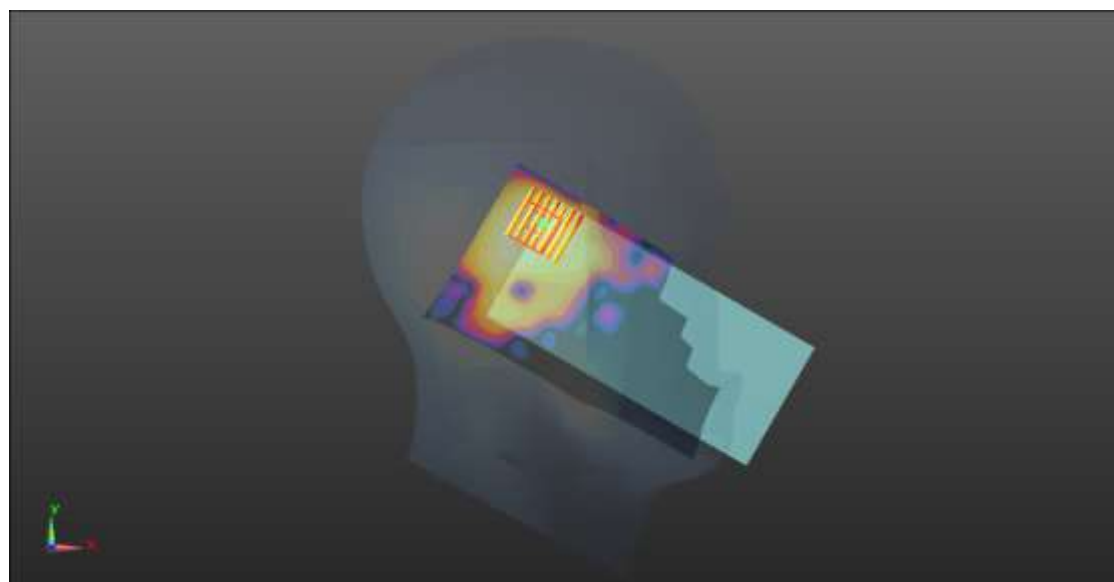
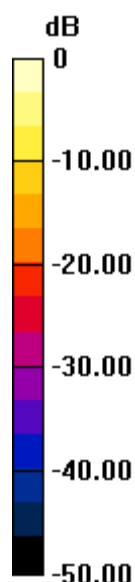
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.695 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.433 W/kg

SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.081 W/kg

Maximum value of SAR (measured) = 0.213 W/kg



0 dB = 0.213 W/kg

67-Body Plane with Back Side 15mm on 39 Channel in Bluetooth mode with Antenna 9

Date: 2022.03.24

Communication System Band: BT; Frequency: 2441 MHz; Duty Cycle: 1:1.301

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.741$ S/m; $\epsilon_r = 39.548$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0205 W/kg

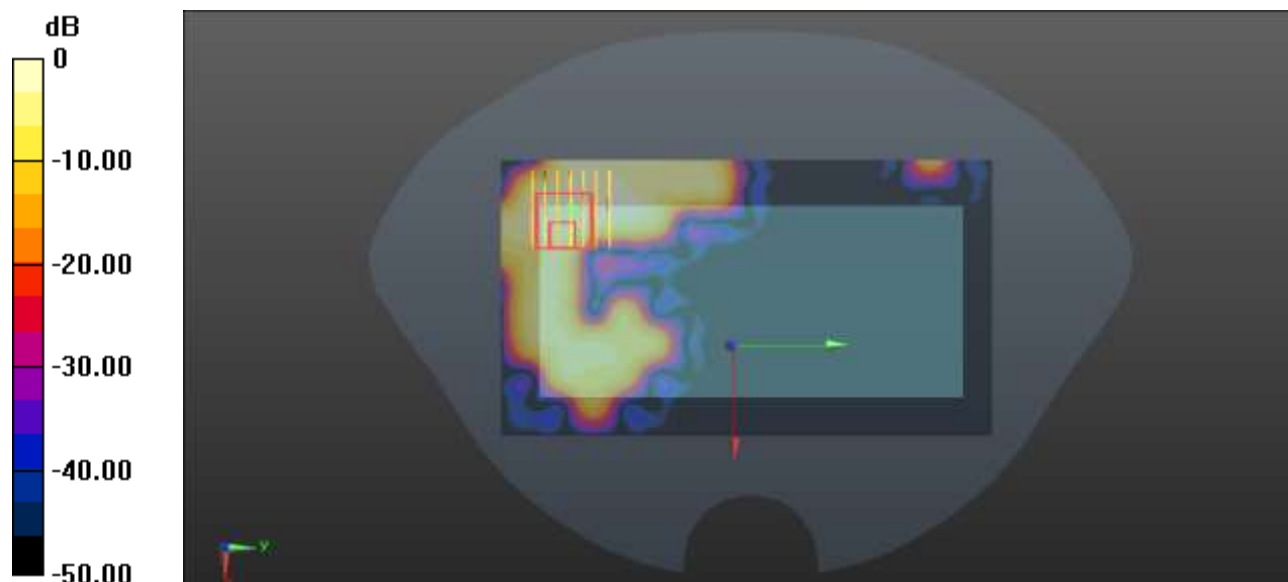
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.0210 W/kg

SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00649 W/kg

Maximum value of SAR (measured) = 0.0150 W/kg



0 dB = 0.0150 W/kg

68-Body Plane with Back Side 10mm on 39 Channel in Bluetooth mode with Antenna 9

Date: 2022.03.24

Communication System Band: BT; Frequency: 2441 MHz; Duty Cycle: 1:1.301

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.741$ S/m; $\epsilon_r = 39.548$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.68, 7.68, 7.68); Calibrated: 2021.08.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1454; Calibrated: 2021.11.05
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0345 W/kg

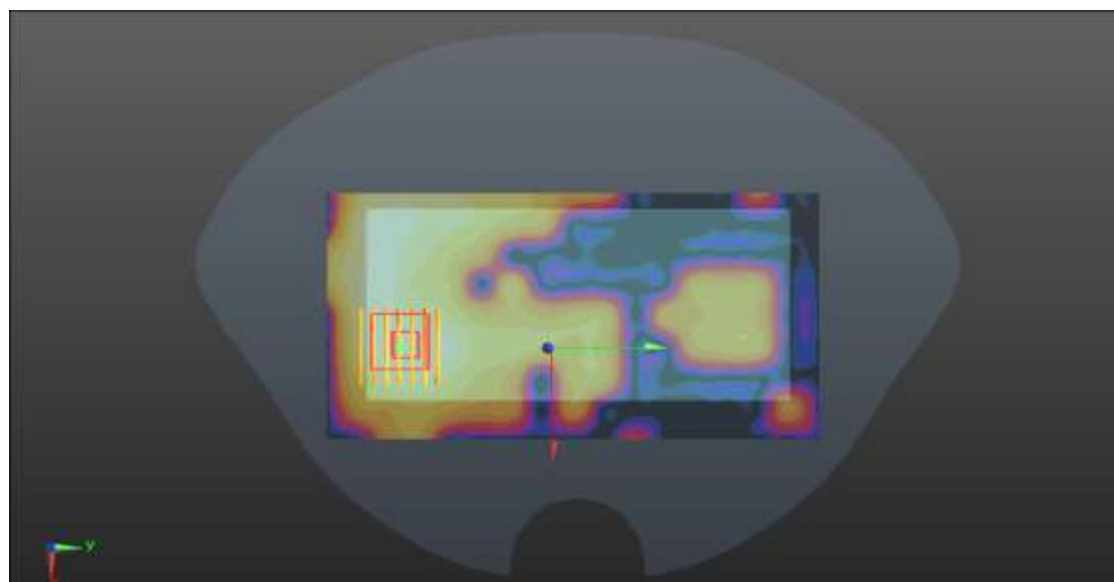
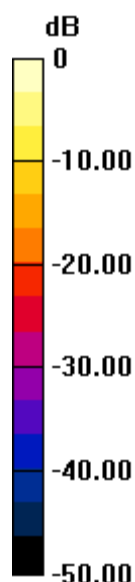
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.9690 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.0740 W/kg

SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.014 W/kg

Maximum value of SAR (measured) = 0.0383 W/kg



0 dB = 0.0383 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2230121-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2230121-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “CALIBRATION REPORT.pdf”.

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--END OF REPORT--