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:	CPH2519
Brand Name:	OPPO
FCC ID:	R9C-CPH2519
Test Standard:	FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Head (1 g@0mm): 1.19 W/kg Body-worn (1 g@15mm): 0.47 W/kg Hotspot (1 g@10mm): 0.81 W/kg Specific (10 g@10mm): 2.61 W/kg
Sample Arrival Date:	Aug. 15, 2023
Test Date:	Aug. 17, 2023 - Sep. 24, 2023
Date of Issue:	Sep. 28, 2023

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xiong Lining **Checked by:** Xu Rui **Approved by:** Tolan Tu

(Testing Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Sep. 28, 2023	Initial Issue

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

1.3 Test Environment Condition

Ambient Temperature	18℃ to 25℃
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

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

2.2 Manufacturer Information

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

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	CPH2519
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	ColorOS 13.2
Dimensions (Approx.)	unfold: 166.32*75.68*7.73 mm fold: 85.54*75.68*16.55 mm
Weight (Approx.)	198g (with battery)
IMEI Number	S38, S39, S40, S41, S42
	S38: IMEI1:862443060019931
	S39: IMEI1: 861243060082637, IMEI2：861243060082629
	S40: IMEI1:862443060019972
	S41: IMEI1: 861243060078957, IMEI2：861243060078940
	S42: IMEI1: 861243060075839, IMEI2：861243060075821

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery1	
	Brand Name	SUPERVOOC
	Model No.	BLPA11
	Serial No.	N/A
	Capacitance	Rated: 980mAh/3.84Wh Typical: 1018mAh/3.99Wh
	Rated Voltage	3.91V
	Limited Voltage	4.5 V
Ancillary Equipment 2	Battery2	
	Brand Name	SUPERVOOC
	Model No.	BLPA13
	Serial No.	N/A
	Capacitance	Rated: 3190mAh/12.48Wh Typical: 3285mAh/12.85Wh
	Rated Voltage	3.91V
	Limited Voltage	4.5 V

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/17/26/66 LTE TDD Band 38/41 LTE CA Uplink (UL): CA_7C, CA_38C, CA_41C 5G Network SA: NR n2/n5/n7/n12/n38/n41/n66 NSA(EN-DC): DC_2A_n7A, DC_4A_n7A, DC_4A_n38A, DC_4A_n41A, DC_5A_7A, DC_5A_n38A, DC_7A_n5A, DC_66A_n7A, DC_66A_n38A, DC_66A_n41A Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), VHT20/40 and 802.11ax(HE20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80/160) and 802.11ax(HE20/40/80/160) U-NII-1/2A/2C/3, GPS, NFC, BeiDou, Galileo, GLONASS, SBAS
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, 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, 2.4G WLAN, 5G WLAN, Bluetooth		
Frequency Range	Band	Tx Frequency Range	Rx Frequency Range
	GSM 850	824 MHz ~ 849 MHz	869 MHz ~ 894 MHz
	GSM 1900	1850 MHz ~ 1910 MHz	1930 MHz ~ 1990 MHz
	WCDMA Band 2	1850 MHz ~ 1910 MHz	1930 MHz ~ 1990 MHz
	WCDMA Band 4	1710 MHz ~ 1755 MHz	2110 MHz ~ 2155 MHz
	WCDMA Band 5	824 MHz ~ 849 MHz	869 MHz ~ 894 MHz
	LTE B2	1850 MHz ~ 1910 MHz	1930 MHz ~ 1990 MHz
	LTE B4	1710 MHz ~ 1755 MHz	2110 MHz ~ 2155 MHz
	LTE B5	824 MHz ~ 849 MHz	869 MHz ~ 894 MHz
	LTE B7	2500 MHz ~ 2570 MHz	2620 MHz ~ 2690 MHz
	LTE B12	699 MHz ~ 716 MHz	729 MHz ~ 746 MHz
	LTE B17	704 MHz ~ 716 MHz	734 MHz ~ 746 MHz
	LTE B26	814 MHz ~ 849 MHz	859 MHz ~ 894 MHz
	LTE B38	2570 MHz ~ 2620 MHz	2570 MHz ~ 2620 MHz
	LTE B41	2496 MHz ~ 2690 MHz	2496 MHz ~ 2690 MHz
	LTE B66	1710 MHz ~ 1780 MHz	2110 MHz ~ 2180 MHz
	NR n2	1850 MHz ~ 1910 MHz	1930 MHz ~ 1990 MHz
	NR n5	824 MHz ~ 849 MHz	869 MHz ~ 894 MHz
	NR n7	2500 MHz ~ 2570 MHz	2620 MHz ~ 2690 MHz

	NR n12	699 MHz ~ 716 MHz	729 MHz ~ 746 MHz
	NR n38	2570 MHz ~ 2620 MHz	2570 MHz ~ 2620 MHz
	NR n41	2496 MHz ~ 2690 MHz	2496 MHz ~ 2690 MHz
	NR n66	1710 MHz ~ 1780 MHz	2110 MHz ~ 2180 MHz
	802.11b/g /n(HT20/HT40)/ax(HE20/HE40)	2412 MHz ~ 2462 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40 /VHT80/VHT160) ax(HE20/HE40/HE 80/HE160)	5150 MHz ~ 5250 MHz	
		5250 MHz ~ 5350 MHz	
		5470 MHz ~ 5725 MHz	
		5725 MHz ~ 5850 MHz	
	Bluetooth	2402 MHz ~ 2480 MHz	
Antenna Type	WWAN: IFA Antenna WLAN: IFA Antenna Bluetooth: IFA Antenna		
DTM	N/A		
Hotspot Function	Support		
Power Reduction	Support		
Exposure Category	General Population/Uncontrolled exposure		
Product Type	Portable Device		
EUT Type	☒ Production unit	☐ Identical prototype	
Note: 1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for held-to-ear exposure conditions. 2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for near to body exposure conditions. 3. The reduction power details please refer section 8.1.			

3 SUMMARY OF TEST RESULT

3.1 Test Standards

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

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR Values

Equipment Class	Band	Maximum Scaled SAR (W/kg)				Maximum Report SAR (W/kg)			
		Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)	Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)
		1g SAR			10g SAR	1g SAR			10g SAR
PCE	GSM 850	0.67	0.28	0.49	/	1.19	0.47	0.81	2.61
	GSM 1900	1.04	0.19	0.43	/				
	WCDMA Band 2	1.16	0.27	0.47	/				
	WCDMA Band 4	1.19	0.29	0.39	/				
	WCDMA Band 5	0.73	0.28	0.44	/				
	LTE Band 2	1.06	0.27	0.45	1.80				
	LTE Band 4	1.08	0.24	0.41	2.11				
	LTE Band 5	0.73	0.35	0.41	/				
	LTE Band 7	1.06	0.24	0.37	2.09				
	LTE Band 12	0.64	0.24	0.41	/				
	LTE Band 17	0.66	0.24	0.42	/				
	LTE Band 26	0.79	0.32	0.50	/				
	LTE Band 38	1.03	0.19	0.39	0.83				
	LTE Band 41	0.58	0.17	0.36	0.75				
	LTE Band 66	1.15	0.06	0.17	/				
	NR n2	1.16	0.40	0.79	**2.61**				
	NR n5	0.79	0.27	0.34	/				
	NR n7	1.03	0.46	**0.81**	1.92				
	NR n12	0.90	0.25	0.30	/				
	NR n38	1.03	0.35	0.52	/				
	NR n41	1.11	0.31	0.32	1.74				
	NR n66	0.78	0.07	0.29	/				
DTS	2.4G WLAN	0.55	0.06	0.22	/				
NII	5.2G WLAN	/	/	0.37	/				
	5.3G WLAN	0.80	0.41	/	1.47				
	5.6G WLAN	**1.19**	**0.47**	/	1.40				
	5.8G WLAN	1.09	0.45	0.78	/				
DSS	Bluetooth	0.35	0.04	0.17	/				
Limit (W/kg)		1.6			4.0	1.6			4.0
Verdict		PASS							

Specific (0mm) 没测试的打/,低于 1.2

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)			
	Head 1g (0mm)	Body-worn 1g (0mm)	Hotspot 1g (10mm)	Specific 10g (0mm)
PCE	**1.59**	**0.94**	**1.22**	2.93
DTS	1.59	0.94	1.10	/
NII	1.54	0.94	1.22	2.93
DSS	1.59	0.94	1.22	/
Limit (W/Kg)	1.60	1.60	1.60	4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 13.2				

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.19 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 2.61 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

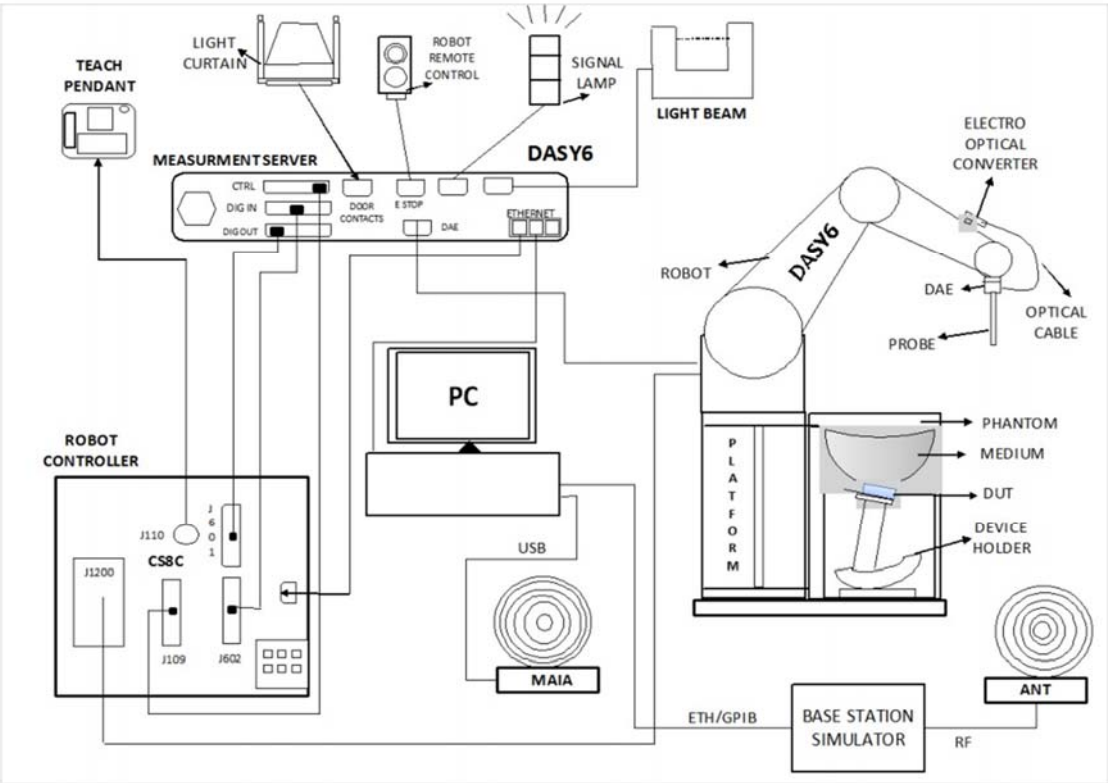
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^{2}}{\boldsymbol{\rho}}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



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

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

12. System validation dipoles allowing to validate the proper functioning of the system.

4.2.2 Robot

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

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

4.2.3 E-Field Probe

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

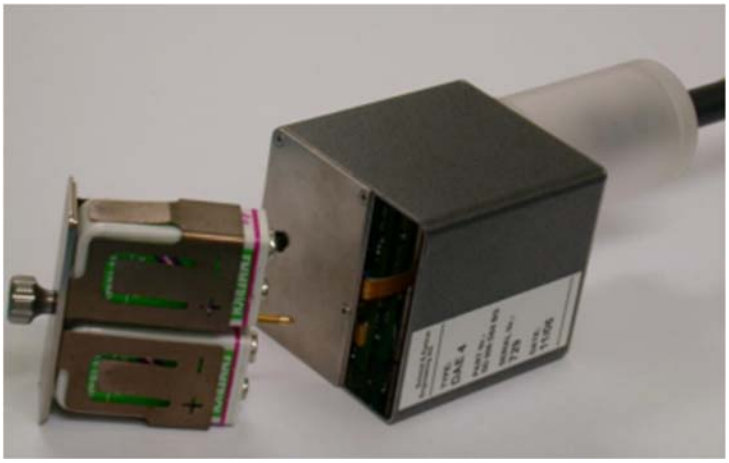
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz;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

E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

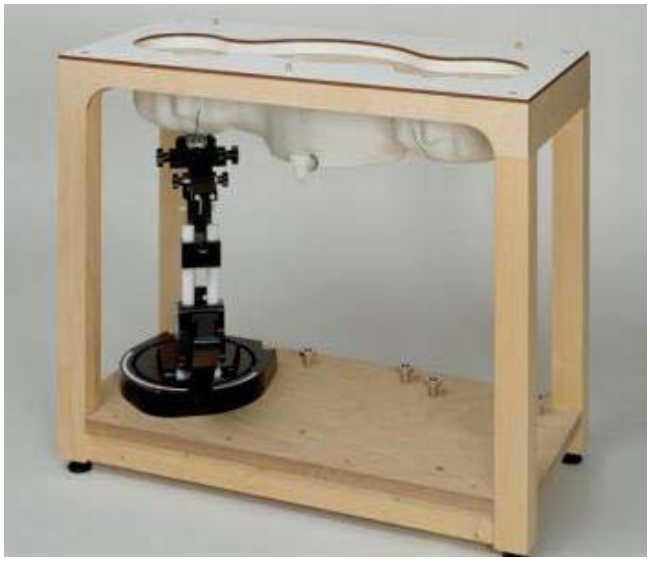
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



- Left head
- Right head
- Flat phantom

Photo of Phantom SN1857

Photo of Phantom SN1859

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

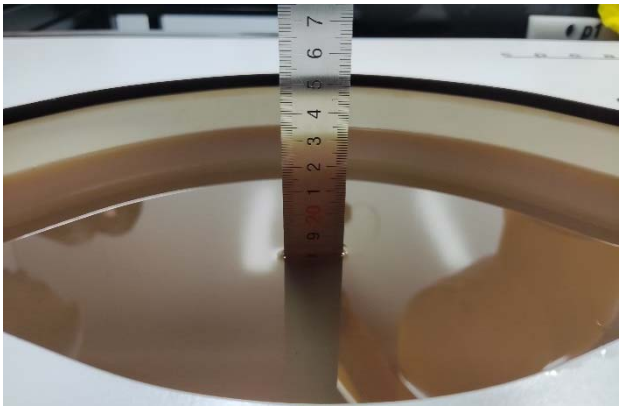
4.2.6 Device Holder

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

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

4.2.7 Simulating Liquid

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

Head Liquid Depth	Body Liquid Depth
	

The following table gives the recipes for tissue simulating liquid.

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

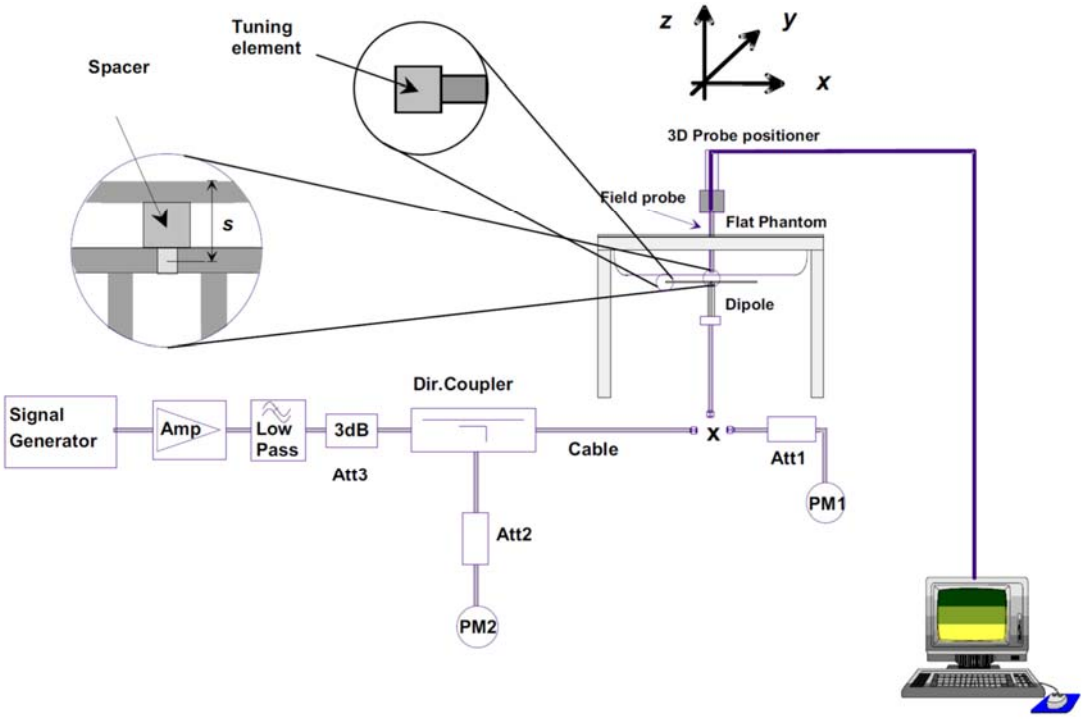
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

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

6.1 Head Exposure Conditions

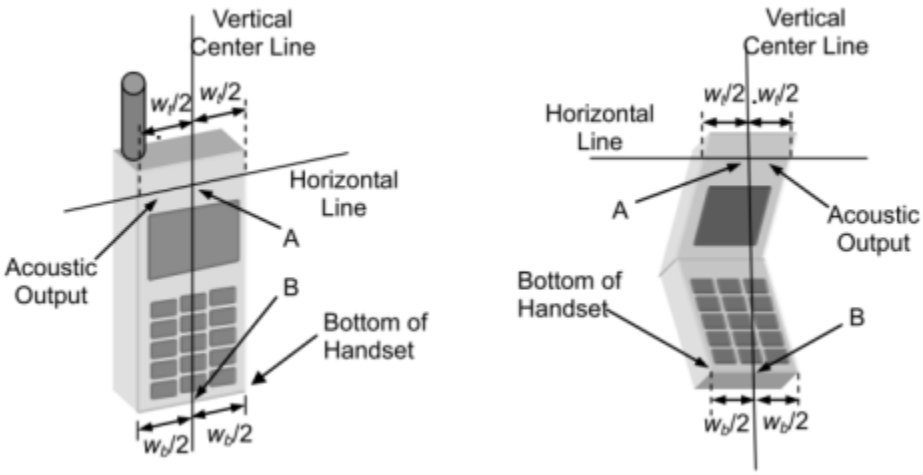
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

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

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

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

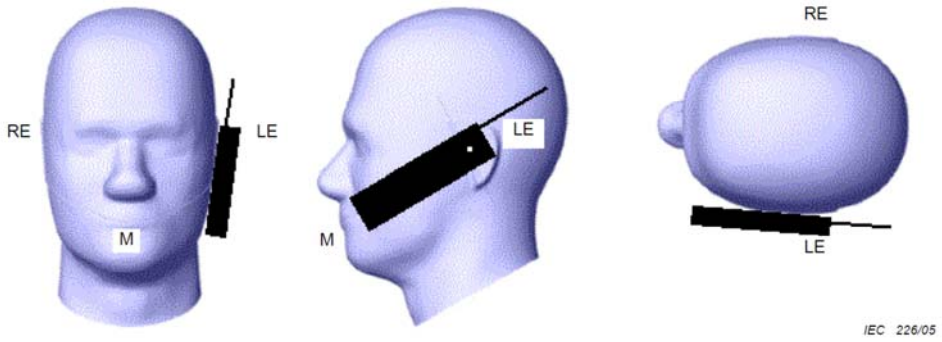


6.1.2 Cheek Position

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

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

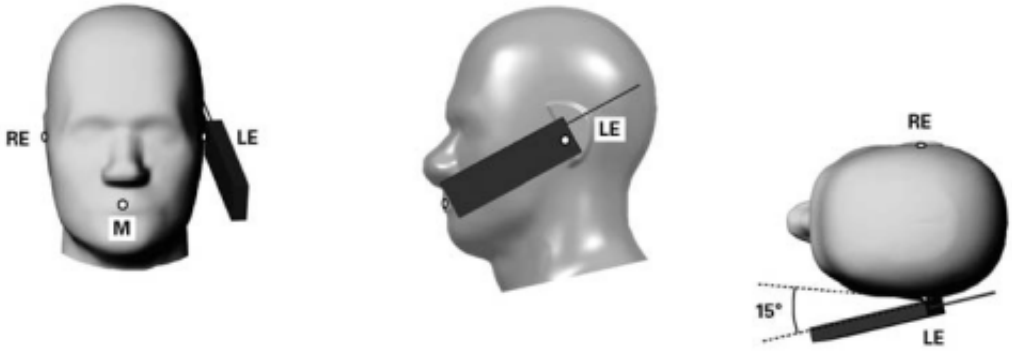
contact with the cheek of the phantom or until contact with the ear is lost.



6.1.3 Tilted Position

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

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

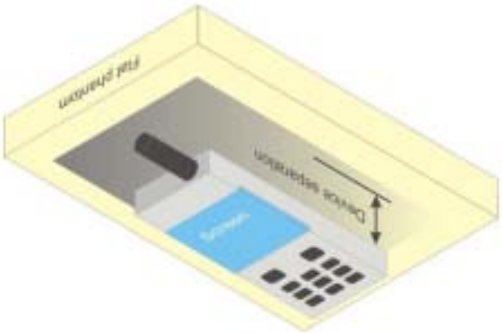


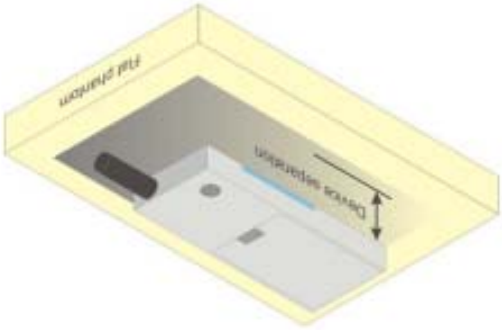
6.2 Body-worn Position Conditions

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

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

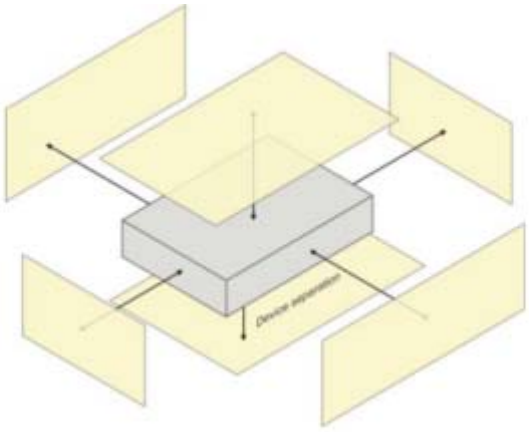
Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice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





6.3 Hotspot Mode Exposure Position Conditions

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



6.4 Product Specific 10g Exposure Consideration

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

The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 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.

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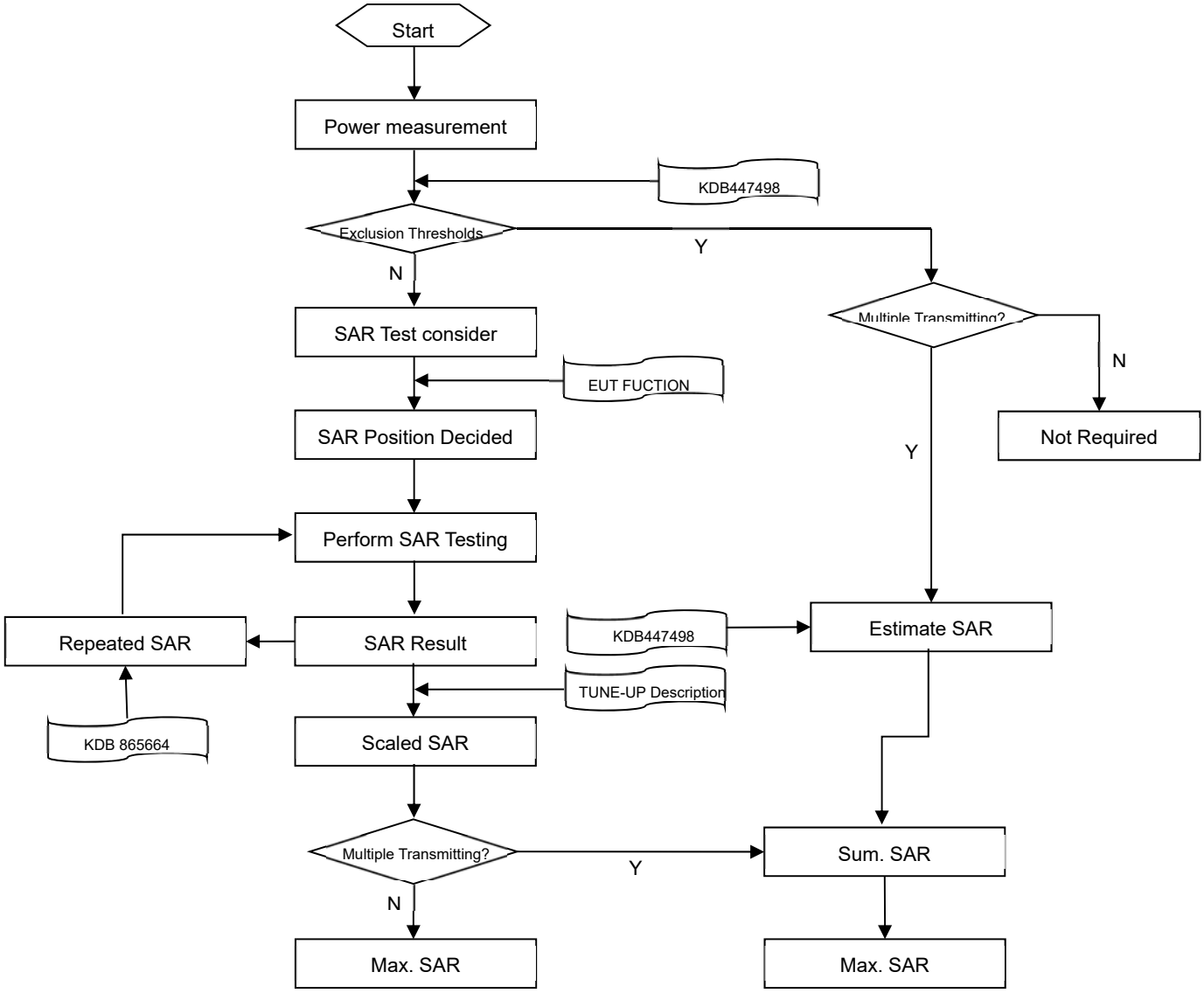
7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

7.3 Measurement Procedure

The following steps are used for each test position

a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
c. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 *32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

7.4 Area & Zoom Scan Procedure

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

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

8 CONDUCTED RF OUPUT POWER

8.1 Power Table and Power Reduction Description

1. This mobile phone device supports the receiver detection mechanism. This device uses the receiver to indicate whether the user is making a call in head.
2. When device is making call in head, the power reduction will applied for SAR compliance.
3. This device uses the P-sensor only to detect handheld state (Extremity RF exposure condiction).

8.1.1 WWAN Power table

WWAN Antenna Power table

Reduced State	Receiver state	Transmitting conditions
State3	On (Head scenario)	WWAN Only
State6	On (Head scenario)	WWAN + WLAN 2.4G/WLAN 5G + BT
State9	On (Head scenario)	WWAN + WLAN 2.4G + WLAN 5G+BT
State1	Off (Body& Limb scenario)	WWAN Only
State4	Off (Body& Limb scenario)	WWAN + WLAN 2.4G/WLAN 5G + BT
State7	Off (Body& Limb scenario)	WWAN + WLAN 2.4G + WLAN 5G+BT

WWAN Up Antenna Power Table

Mode	Antenna	WWAN Antenna Up						
		Full Power	Head			Body		
			Receiver on			Receiver off		
			State3	State6	State9	State1	State4	State7
GSM 850	ANT0	33.20	27.70	24.70	21.70	33.20	30.20	27.20
GPRS850 1 Tx Slot	ANT0	33.20	27.70	24.70	21.70	33.20	30.20	27.20
GPRS850 2 Tx Slots	ANT0	31.50	26.00	23.00	20.00	31.50	28.50	25.50
GPRS850 3 Tx Slots	ANT0	30.20	24.70	21.70	18.70	30.20	27.20	24.20
GPRS850 4 Tx Slots	ANT0	29.00	23.50	20.50	17.50	29.00	26.00	23.00
EGPRS850 1 Tx Slot	ANT0	27.80	22.30	19.30	16.30	27.80	24.80	21.80
EGPRS850 2 Tx Slots	ANT0	25.50	20.00	17.00	14.00	25.50	22.50	19.50
EGPRS850 3 Tx Slots	ANT0	24.00	18.50	15.50	12.50	24.00	21.00	18.00
EGPRS850 4 Tx Slots	ANT0	23.00	17.50	14.50	11.50	23.00	20.00	17.00
GSM 1900	ANT4	30.80	26.80	25.80	22.80	30.80	27.80	24.80
GPRS1900 1 Tx Slot	ANT4	30.80	26.80	25.80	22.80	30.80	27.80	24.80
GPRS1900 2 Tx Slots	ANT4	28.60	24.60	23.60	20.60	28.60	25.60	22.60
GPRS1900 3 Tx Slots	ANT4	27.00	23.00	22.00	19.00	27.00	24.00	21.00

GPRS1900 4 Tx Slots	ANT4	25.80	21.80	20.80	17.80	25.80	22.80	19.80
EGPRS1900 1 Tx Slot	ANT4	26.00	22.00	21.00	18.00	26.00	23.00	20.00
EGPRS1900 2 Tx Slots	ANT4	24.00	20.00	19.00	16.00	24.00	21.00	18.00
EGPRS1900 3 Tx Slots	ANT4	23.00	19.00	18.00	15.00	23.00	20.00	17.00
EGPRS1900 4 Tx Slots	ANT4	21.50	17.50	16.50	13.50	21.50	18.50	15.50
WCDMA Band2 RMC	ANT4	24.30	19.30	16.30	13.30	23.30	20.30	17.30
AMR	ANT4	24.30	19.30	16.30	13.30	23.30	20.30	17.30
HSDPA Subtest-1	ANT4	24.30	19.30	16.30	13.30	23.30	20.30	17.30
HSDPA Subtest-2	ANT4	24.30	19.30	16.30	13.30	23.30	20.30	17.30
HSDPA Subtest-3	ANT4	23.80	18.80	15.80	12.80	22.80	19.80	16.80
HSDPA Subtest-4	ANT4	23.80	18.80	15.80	12.80	22.80	19.80	16.80
DC-HSDPA Subtest-1	ANT4	24.30	19.30	16.30	13.30	23.30	20.30	17.30
DC-HSDPA Subtest-2	ANT4	24.30	19.30	16.30	13.30	23.30	20.30	17.30
DC-HSDPA Subtest-3	ANT4	23.80	18.80	15.80	12.80	22.80	19.80	16.80
DC-HSDPA Subtest-4	ANT4	23.80	18.80	15.80	12.80	22.80	19.80	16.80
HSUPA Subtest-1	ANT4	22.30	17.30	14.30	11.30	21.30	18.30	15.30
HSUPA Subtest-2	ANT4	22.30	17.30	14.30	11.30	21.30	18.30	15.30
HSUPA Subtest-3	ANT4	23.30	18.30	15.30	12.30	22.30	19.30	16.30

HSUPA Subtest-4	ANT4	22.20	17.20	14.20	11.20	21.20	18.20	15.20
HSUPA Subtest-5	ANT4	23.70	18.70	15.70	12.70	22.70	19.70	16.70
WCDMA Band4 RMC	ANT4	24.20	19.70	16.70	13.70	23.20	20.20	17.20
AMR	ANT4	24.20	19.70	16.70	13.70	23.20	20.20	17.20
HSDPA Subtest-1	ANT4	24.20	19.70	16.70	13.70	23.20	20.20	17.20
HSDPA Subtest-2	ANT4	24.20	19.70	16.70	13.70	23.20	20.20	17.20
HSDPA Subtest-3	ANT4	23.70	19.20	16.20	13.20	22.70	19.70	16.70
HSDPA Subtest-4	ANT4	23.70	19.20	16.20	13.20	22.70	19.70	16.70
DC-HSDPA Subtest-1	ANT4	24.20	19.70	16.70	13.70	23.20	20.20	17.20
DC-HSDPA Subtest-2	ANT4	24.20	19.70	16.70	13.70	23.20	20.20	17.20
DC-HSDPA Subtest-3	ANT4	23.70	19.20	16.20	13.20	22.70	19.70	16.70
DC-HSDPA Subtest-4	ANT4	23.70	19.20	16.20	13.20	22.70	19.70	16.70
HSUPA Subtest-1	ANT4	22.20	17.70	14.70	11.70	21.20	18.20	15.20
HSUPA Subtest-2	ANT4	22.20	17.70	14.70	11.70	21.20	18.20	15.20
HSUPA Subtest-3	ANT4	23.20	18.70	15.70	12.70	22.20	19.20	16.20
HSUPA Subtest-4	ANT4	21.70	17.20	14.20	11.20	20.70	17.70	14.70
HSUPA Subtest-5	ANT4	23.20	18.70	15.70	12.70	22.20	19.20	16.20
WCDMA Band5 RMC	ANT0	24.70	19.70	16.70	13.70	24.70	21.70	18.70

AMR	ANT0	24.70	19.70	16.70	13.70	24.70	21.70	18.70
HSDPA Subtest-1	ANT0	23.70	18.70	15.70	12.70	23.70	20.70	17.70
HSDPA Subtest-2	ANT0	23.70	18.70	15.70	12.70	23.70	20.70	17.70
HSDPA Subtest-3	ANT0	23.20	18.20	15.20	12.20	23.20	20.20	17.20
HSDPA Subtest-4	ANT0	23.20	18.20	15.20	12.20	23.20	20.20	17.20
DC-HSDPA Subtest-1	ANT0	23.70	18.70	15.70	12.70	23.70	20.70	17.70
DC-HSDPA Subtest-2	ANT0	23.70	18.70	15.70	12.70	23.70	20.70	17.70
DC-HSDPA Subtest-3	ANT0	23.20	18.20	15.20	12.20	23.20	20.20	17.20
DC-HSDPA Subtest-4	ANT0	23.20	18.20	15.20	12.20	23.20	20.20	17.20
HSUPA Subtest-1	ANT0	21.70	16.70	13.70	10.70	21.70	18.70	15.70
HSUPA Subtest-2	ANT0	21.70	16.70	13.70	10.70	21.70	18.70	15.70
HSUPA Subtest-3	ANT0	22.70	17.70	14.70	11.70	22.70	19.70	16.70
HSUPA Subtest-4	ANT0	21.20	16.20	13.20	10.20	21.20	18.20	15.20
HSUPA Subtest-5	ANT0	22.70	17.70	14.70	11.70	22.70	19.70	16.70
LTE Band2	ANT4	23.80	17.80	16.80	13.80	21.80	18.80	15.80
LTE Band4	ANT4	24.20	19.20	16.20	13.20	21.70	18.70	15.70
LTE Band5	ANT0	25.00	19.50	16.50	13.50	25.00	22.00	19.00
LTE Band7	ANT4	24.00	16.00	13.00	10.00	19.00	16.00	13.00

LTE Band12	ANT0	24.50	19.50	16.50	13.50	24.50	21.50	18.50
LTE Band17	ANT0	24.50	19.50	16.50	13.50	24.50	21.50	18.50
LTE Band26	ANT0	25.00	20.00	17.00	14.00	25.00	22.00	19.00
LTE Band66	ANT4	24.20	24.20	24.20	24.20	22.70	19.70	16.70
LTE Band38	ANT4	24.70	19.20	16.20	13.20	20.70	17.70	14.70
LTE Band41	ANT4	24.70	17.70	14.70	11.70	20.70	17.70	14.70
NR Band2	ANT4	24.20	18.70	17.20	14.2	24.20	21.2	18.2
NR Band5	ANT0	24.90	20.90	17.90	14.9	24.9	21.9	18.9
NR Band7	ANT4	24.50	15.50	12.50	9.5	22.5	19.5	16.5
NR Band12	ANT0	24.70	22.20	19.20	16.2	24.7	21.7	18.7
NR Band38	ANT4	24.60	15.60	14.10	11.1	19.10	16.1	13.1
NR Band41	ANT4	24.60	16.10	14.10	11.1	18.6	15.6	12.6
NR Band66	ANT4	24.30	24.3	24.3	24.3	24.3	21.3	18.3

WWAN Down Antenna Power Table

Mode	Antenna	WWAN Antenna Down						
		Full Power	Head			Body		
			Receiver on			Receiver off		
			State3	State6	State9	State1	State4	State7
GSM 850	ANT1	33.50	33.50	33.50	33.50	33.50	30.50	27.50
GPRS850 1 Tx Slot	ANT1	33.50	33.50	33.50	33.50	33.50	30.50	27.50
GPRS850 2 Tx Slots	ANT1	31.80	31.80	31.80	31.80	31.80	28.80	25.80
GPRS850 3 Tx Slots	ANT1	30.50	30.50	30.50	30.50	30.50	27.50	24.50
GPRS850 4 Tx Slots	ANT1	29.30	29.30	29.30	29.30	29.30	26.30	23.30
EGPRS850 1 Tx Slot	ANT1	28.10	28.10	28.10	28.10	28.10	25.10	22.10
EGPRS850 2 Tx Slots	ANT1	25.80	25.80	25.80	25.80	25.80	22.80	19.80
EGPRS850 3 Tx Slots	ANT1	24.30	24.30	24.30	24.30	24.30	21.30	18.30
EGPRS850 4 Tx Slots	ANT1	23.30	23.30	23.30	23.30	23.30	20.30	17.30
GSM 1900	ANT5	29.30	26.30	24.80	21.80	29.30	26.30	23.30
GPRS1900 1 Tx Slot	ANT5	29.30	26.30	24.80	21.80	29.30	26.30	23.30
GPRS1900 2 Tx Slots	ANT5	27.10	24.10	22.60	19.60	27.10	24.10	21.10
GPRS1900 3 Tx Slots	ANT5	25.50	22.50	21.00	18.00	25.50	22.50	19.50

GPRS1900 4 Tx Slots	ANT5	24.30	21.30	19.80	16.80	24.30	21.30	18.30
EGPRS1900 1 Tx Slot	ANT5	24.50	21.50	20.00	17.00	24.50	21.50	18.50
EGPRS1900 2 Tx Slots	ANT5	22.50	19.50	18.00	15.00	22.50	19.50	16.50
EGPRS1900 3 Tx Slots	ANT5	21.50	18.50	17.00	14.00	21.50	18.50	15.50
EGPRS1900 4 Tx Slots	ANT5	20.00	17.00	15.50	12.50	20.00	17.00	14.00
WCDMA Band2 RMC	ANT5	22.80	18.30	15.30	12.30	22.80	19.80	16.80
AMR	ANT5	22.80	18.30	15.30	12.30	22.80	19.80	16.80
HSDPA Subtest-1	ANT5	22.80	18.30	15.30	12.30	22.80	19.80	16.80
HSDPA Subtest-2	ANT5	22.80	18.30	15.30	12.30	22.80	19.80	16.80
HSDPA Subtest-3	ANT5	22.30	17.80	14.80	11.80	22.30	19.30	16.30
HSDPA Subtest-4	ANT5	22.30	17.80	14.80	11.80	22.30	19.30	16.30
DC-HSDPA Subtest-1	ANT5	22.80	18.30	15.30	12.30	22.80	19.80	16.80
DC-HSDPA Subtest-2	ANT5	22.80	18.30	15.30	12.30	22.80	19.80	16.80
DC-HSDPA Subtest-3	ANT5	22.30	17.80	14.80	11.80	22.30	19.30	16.30
DC-HSDPA Subtest-4	ANT5	22.30	17.80	14.80	11.80	22.30	19.30	16.30
HSUPA Subtest-1	ANT5	20.80	16.30	13.30	10.30	20.80	17.80	14.80
HSUPA Subtest-2	ANT5	20.80	16.30	13.30	10.30	20.80	17.80	14.80
HSUPA Subtest-3	ANT5	21.80	17.30	14.30	11.30	21.80	18.80	15.80

HSUPA Subtest-4	ANT5	20.70	16.20	13.20	10.20	20.70	17.70	14.70
HSUPA Subtest-5	ANT5	22.20	17.70	14.70	11.70	22.20	19.20	16.20
WCDMA Band4 RMC	ANT5	22.70	22.70	22.70	22.70	22.70	19.70	16.70
AMR	ANT5	22.70	22.70	22.70	22.70	22.70	19.70	16.70
HSDPA Subtest-1	ANT5	22.70	22.70	22.70	22.70	22.70	19.70	16.70
HSDPA Subtest-2	ANT5	22.70	22.70	22.70	22.70	22.70	19.70	16.70
HSDPA Subtest-3	ANT5	22.20	22.20	22.20	22.20	22.20	19.20	16.20
HSDPA Subtest-4	ANT5	22.20	22.20	22.20	22.20	22.20	19.20	16.20
DC-HSDPA Subtest-1	ANT5	22.70	22.70	22.70	22.70	22.70	19.70	16.70
DC-HSDPA Subtest-2	ANT5	22.70	22.70	22.70	22.70	22.70	19.70	16.70
DC-HSDPA Subtest-3	ANT5	22.20	22.20	22.20	22.20	22.20	19.20	16.20
DC-HSDPA Subtest-4	ANT5	22.20	22.20	22.20	22.20	22.20	19.20	16.20
HSUPA Subtest-1	ANT5	20.70	20.70	20.70	20.70	20.70	17.70	14.70
HSUPA Subtest-2	ANT5	20.70	20.70	20.70	20.70	20.70	17.70	14.70
HSUPA Subtest-3	ANT5	21.70	21.70	21.70	21.70	21.70	18.70	15.70
HSUPA Subtest-4	ANT5	20.20	20.20	20.20	20.20	20.20	17.20	14.20
HSUPA Subtest-5	ANT5	21.70	21.70	21.70	21.70	21.70	18.70	15.70
WCDMA Band5 RMC	ANT1	25.00	25.00	25.00	25.00	25.00	22.00	19.00

AMR	ANT1	25.00	25.00	25.00	25.00	25.00	22.00	19.00
HSDPA Subtest-1	ANT1	24.00	24.00	24.00	24.00	24.00	21.00	18.00
HSDPA Subtest-2	ANT1	24.00	24.00	24.00	24.00	24.00	21.00	18.00
HSDPA Subtest-3	ANT1	23.50	23.50	23.50	23.50	23.50	20.50	17.50
HSDPA Subtest-4	ANT1	23.50	23.50	23.50	23.50	23.50	20.50	17.50
DC-HSDPA Subtest-1	ANT1	24.00	24.00	24.00	24.00	24.00	21.00	18.00
DC-HSDPA Subtest-2	ANT1	24.00	24.00	24.00	24.00	24.00	21.00	18.00
DC-HSDPA Subtest-3	ANT1	23.50	23.50	23.50	23.50	23.50	20.50	17.50
DC-HSDPA Subtest-4	ANT1	23.50	23.50	23.50	23.50	23.50	20.50	17.50
HSUPA Subtest-1	ANT1	22.00	22.00	22.00	22.00	22.00	19.00	16.00
HSUPA Subtest-2	ANT1	22.00	22.00	22.00	22.00	22.00	19.00	16.00
HSUPA Subtest-3	ANT1	23.00	23.00	23.00	23.00	23.00	20.00	17.00
HSUPA Subtest-4	ANT1	21.50	21.50	21.50	21.50	21.50	18.50	15.50
HSUPA Subtest-5	ANT1	23.00	23.00	23.00	23.00	23.00	20.00	17.00
LTE Band2	ANT5	22.30	19.80	16.80	13.80	22.30	19.30	16.30
LTE Band4	ANT5	22.70	22.70	22.70	22.70	22.70	19.70	16.70
LTE Band5	ANT1	25.00	25.00	25.00	25.00	25.00	22.00	19.00
LTE Band7	ANT5	22.00	18.00	15.00	12.00	21.00	18.00	15.00

LTE Band12	ANT1	24.80	24.80	24.80	24.80	24.80	21.80	18.80
LTE Band17	ANT1	24.80	24.80	24.80	24.80	24.80	21.80	18.80
LTE Band26	ANT1	25.00	25.00	25.00	25.00	25.00	22.00	19.00
LTE Band66	ANT5	22.70	22.70	22.70	22.70	21.70	18.70	15.70
LTE Band38	ANT5	22.70	20.20	17.20	14.20	22.70	19.70	16.70
LTE Band41	ANT5	22.70	20.20	17.20	14.20	21.70	18.70	15.70
NR Band2	ANT5	22.70	19.20	18.20	15.2	22.70	19.7	16.7
NR Band5	ANT1	25.20	25.20	25.20	25.20	25.20	22.2	19.2
NR Band7	ANT5	22.50	18.50	17.50	14.5	22.50	19.5	16.5
NR Band12	ANT1	25.00	25.00	25.00	25.00	25.00	22	19
NR Band38	ANT5	22.60	19.10	17.10	14.1	21.6	18.6	15.6
NR Band41	ANT5	22.90	18.90	17.40	14.4	20.9	17.9	14.9
NR Band66	ANT5	22.80	22.80	22.80	22.80	22.80	19.8	16.8

EN DC Power Table

Mode	Band	Antenna	ENDC Antenna						
			Full Power	Head			Body		
				Receiver on			Receiver off		
				State3	State6	State9	State1	State4	State7
DC_7A_n5A	n5	Ant.0	24.90	20.40	17.40	6.90	21.90	18.90	11.40
	n5	Ant.1	25.20	25.20	25.20	25.20	22.20	19.20	16.20
	LTE Band7	Ant.6	24.00	22.00	19.00	16.00	23.00	20.00	17.00
	LTE Band7	Ant.0	22.00	15.00	12.00	9.00	21.00	18.00	15.00
DC_2A_n7A	n7	Ant.6	24.40	22.40	19.40	16.40	21.40	18.40	15.40
	n7	Ant.0	22.50	14.50	12.50	9.50	19.50	16.50	13.50
	LTE Band2	Ant.4	23.80	17.80	14.80	11.80	18.80	15.80	12.80
	LTE Band2	Ant.5	22.30	17.80	14.80	11.80	19.30	16.30	13.30
DC_4A_n7A	n7	Ant.4	24.50	15.50	12.50	9.50	19.50	16.50	13.50
	n7	Ant.5	22.50	17.00	15.50	12.50	19.50	16.50	13.50
	LTE Band4	Ant.6	24.20	22.20	19.20	16.20	23.20	20.20	17.20
	LTE Band4	Ant.0	22.40	15.40	12.40	9.40	21.40	18.40	15.40
DC_5A_n7A	n7	Ant.6	24.40	22.40	19.40	16.40	21.40	18.40	15.40

	n7	Ant.0	22.50	14.50	12.50	9.50	19.50	16.50	13.50
	LTE Band5	Ant.0	25.00	18.50	15.50	12.50	22.00	19.00	16.00
	LTE Band5	Ant.1	25.30	25.30	25.30	25.30	22.30	19.30	16.30
DC_66A_n7A	n7	Ant.4	24.50	15.50	12.50	9.50	19.50	16.50	13.50
	n7	Ant.5	22.50	17.00	15.50	12.50	19.50	16.50	13.50
	LTE Band66	Ant.6	24.20	21.20	18.20	15.20	23.20	20.20	17.20
	LTE Band66	Ant.0	22.40	19.40	16.40	13.40	21.40	18.40	15.40
DC_4A_n38A	n38	Ant.6	24.80	22.80	19.80	16.80	21.80	18.80	15.80
	n38	Ant.0	22.30	15.30	12.30	9.30	19.30	16.30	13.30
	LTE Band4	Ant.4	24.20	17.70	14.70	11.70	12.20	15.70	12.70
	LTE Band4	Ant.5	22.70	22.70	22.70	22.70	19.70	16.70	13.70
DC_5A_n38A	n38	Ant.6	24.80	22.80	19.80	16.80	21.80	18.80	15.80
	n38	Ant.0	22.30	15.30	12.30	9.30	19.30	16.30	13.30
	LTE Band5	Ant.0	25.00	18.50	15.50	12.50	22.00	19.00	16.00
	LTE Band5	Ant.1	25.30	25.30	25.30	25.30	22.30	19.30	16.30
DC_66A_n38A	n38	Ant.6	24.80	22.80	19.80	16.80	21.80	18.80	15.80
	n38	Ant.0	22.30	15.30	12.30	9.30	19.30	16.30	13.30

	LTE Band66	Ant.4	24.20	22.20	19.20	16.20	19.70	16.70	13.70
	LTE Band66	Ant.5	22.70	22.70	22.70	22.70	18.70	15.70	12.70
DC_4A_n41A	n41	Ant.6	25.20	23.20	20.20	17.20	22.20	19.20	10.20
	n41	Ant.0	22.70	15.20	12.20	9.20	19.70	16.70	13.70
	LTE Band4	Ant.4	24.20	17.70	14.70	11.70	18.70	15.70	12.70
	LTE Band4	Ant.5	22.70	22.70	22.70	22.70	19.70	16.70	13.20
DC_66A_n41A	n41	Ant.6	25.20	23.20	20.20	17.20	22.20	19.20	10.20
	n41	Ant.0	22.70	15.20	12.20	9.20	19.70	16.70	13.70
	LTE Band66	Ant.4	24.20	22.20	19.20	16.20	19.70	16.70	13.70
	LTE Band66	Ant.5	22.70	22.70	22.70	22.70	18.70	15.70	12.70

8.1.2 WLAN Power table

WLAN Antenna Power table

Reduced State	Receiver state	Transmitting conditions
Level1	On (Head scenario)	WLAN 2.4G Only WLAN 5G Only BT Only
Level2	On (Head scenario)	WLAN 2.4G +WLAN 5G
Level3	On (Head scenario)	WLAN 2.4G /WLAN 5G+BT WWAN+WLAN 2.4G /WLAN 5G WWAN+BT
Level4	On (Head scenario)	WLAN 2.4G +WLAN 5G+BT
Level5	On (Head scenario)	WWAN+WLAN 2.4G +WLAN 5G
Level6	On (Head scenario)	WWAN+WLAN 2.4G /WLAN 5G+BT
Level7	On (Head scenario)	WWAN+WLAN 2.4G +WLAN 5G+BT
Level8	Off (Body scenario)	WLAN 2.4G Only WLAN 5G Only BT Only
Level9	Off (Body scenario)	WLAN 2.4G +WLAN 5G
Level10	Off (Body scenario)	WLAN 2.4G /WLAN 5G+BT WWAN+WLAN 2.4G /WLAN 5G WWAN+BT
Level11	Off (Body scenario)	WLAN 2.4G +WLAN 5G+BT
Level12	Off (Body scenario)	WWAN+WLAN 2.4G +WLAN 5G
Level13	Off (Body scenario)	WWAN+WLAN 2.4G /WLAN 5G+BT
Level14	Off (Body scenario)	WWAN+WLAN 2.4G +WLAN 5G+BT

WLAN Antenna Chain0

Mode	Antenna	WLAN Antenna Chain0														
		Full Power	Head							Body						
			Receiver on							Receiver off						
			Level1	Level2	Level3	Level4	Level5	Level6	Level7	Level8	Level9	Level10	Level11	Level12	Level13	Level14
2.4G WLAN 802.11b	ANT12	19.00	13.50	12.50	12.50	10.50	9.00	9.00	7.00	13.50	12.50	12.50	11.00	9.00	9.00	7.00
2.4G WLAN 802.11g	ANT12	19.10	13.60	12.60	12.60	10.60	9.10	9.10	7.10	13.60	12.60	12.60	11.10	9.10	9.10	7.10
2.4G WLAN 802.11n20	ANT12	19.00	13.50	12.50	12.50	10.50	9.00	9.00	7.00	13.50	12.50	12.50	11.00	9.00	9.00	7.00
2.4G WLAN 802.11n40	ANT12	17.00	13.50	12.50	12.50	10.50	9.00	9.00	7.00	13.50	12.50	12.50	11.00	9.00	9.00	7.00
2.4G WLAN 802.11ac20	ANT12	19.00	13.50	12.50	12.50	10.50	9.00	9.00	7.00	13.50	12.50	12.50	11.00	9.00	9.00	7.00
2.4G WLAN 802.11ac40	ANT12	17.00	13.50	12.50	12.50	10.50	9.00	9.00	7.00	13.50	12.50	12.50	11.00	9.00	9.00	7.00
2.4G WLAN 802.11ax20	ANT12	19.00	13.50	12.50	12.50	10.50	9.00	9.00	7.00	13.50	12.50	12.50	11.00	9.00	9.00	7.00
2.4G WLAN 802.11ax40	ANT12	18.00	13.50	12.50	12.50	10.50	9.00	9.00	7.00	13.50	12.50	12.50	11.00	9.00	9.00	7.00
5.2G WLAN 802.11a	ANT9	13.10	13.10	13.10	13.10	12.10	12.10	11.10	10.10	8.10	13.10	13.10	13.10	13.10	12.10	12.10	9.10
5.2G WLAN 802.11n20	ANT9	13.00	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11n40	ANT9	13.00	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ac20	ANT9	13.00	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00

5.2G WLAN 802.11ac40	ANT9	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ac80	ANT9	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ac160	ANT9	15.50	15.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ax20	ANT9	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ax40	ANT9	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ax80	ANT9	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ax160	ANT9	15.50	15.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11a	ANT9	17.10	15.10	13.10	12.10	12.10	11.10	10.10	8.10	17.10	15.10	15.10	13.10	12.10	12.10	9.10
5.3G WLAN 802.11n20	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11n40	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11ac20	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11ac40	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11ac80	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11ax20	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11ax40	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11ax80	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11a	ANT9	17.10	15.10	13.10	12.10	12.10	11.10	10.10	8.10	17.10	15.10	15.10	13.10	12.10	12.10	9.10
5.6G WLAN 802.11n20	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00

5.6G WLAN 802.11n40	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ac20	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ac40	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ac80	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ac160	ANT9	15.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	15.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ax20	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ax40	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ax80	ANT9	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ax160	ANT9	15.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	15.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11a	ANT9	20.10	15.10	13.10	12.10	12.10	11.10	10.10	8.10	17.10	15.10	15.10	13.10	12.10	12.10	9.10
5.8G WLAN 802.11n20	ANT9	20.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11n40	ANT9	19.50	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11ac20	ANT9	20.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11ac40	ANT9	19.50	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11ac80	ANT9	19.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11ax20	ANT9	20.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11ax40	ANT9	19.50	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11ax80	ANT9	19.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00

Bluetooth	ANT12	13.00	12.00	12.00	12.00	12.00	12.00	12.00	10.00	13.00	12.00	12.00	12.00	12.00	12.00	12.00

WLAN Antenna Chain1

Mode	Antenna	WLAN Antenna Chain1														
		Full Power	Head							Body						
			Receiver on							Receiver off						
			Level1	Level2	Level3	Level4	Level5	Level6	Level7	Level8	Level9	Level10	Level11	Level12	Level13	Level14
2.4G WLAN 802.11b	ANT0	19.00	13.50	12.50	12.50	10.50	9.00	9.00	7.00	13.50	12.50	12.50	11.00	9.00	9.00	7.00
2.4G WLAN 802.11g	ANT0	19.10	13.60	12.60	12.60	10.60	9.10	9.10	7.10	13.60	12.60	12.60	11.10	9.10	9.10	7.10
2.4G WLAN 802.11n20	ANT0	19.00	13.50	12.50	12.50	10.50	9.00	9.00	7.00	13.50	12.50	12.50	11.00	9.00	9.00	7.00
2.4G WLAN 802.11n40	ANT0	18.00	13.50	12.50	12.50	10.50	9.00	9.00	7.00	13.50	12.50	12.50	11.00	9.00	9.00	7.00
2.4G WLAN 802.11ac20	ANT0	19.00	13.50	12.50	12.50	10.50	9.00	9.00	7.00	13.50	12.50	12.50	11.00	9.00	9.00	7.00
2.4G WLAN 802.11ac40	ANT0	18.50	13.50	12.50	12.50	10.50	9.00	9.00	7.00	13.50	12.50	12.50	11.00	9.00	9.00	7.00
2.4G WLAN 802.11ax20	ANT0	19.00	13.50	12.50	12.50	10.50	9.00	9.00	7.00	13.50	12.50	12.50	11.00	9.00	9.00	7.00
2.4G WLAN 802.11ax40	ANT0	18.00	13.50	12.50	12.50	10.50	9.00	9.00	7.00	13.50	12.50	12.50	11.00	9.00	9.00	7.00
5.2G WLAN 802.11a	ANT13	13.10	13.10	13.10	12.10	12.10	11.10	10.10	8.10	13.10	13.10	13.10	13.10	12.10	12.10	9.10
5.2G WLAN 802.11n20	ANT13	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00

5.2G WLAN 802.11n40	ANT13	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ac20	ANT13	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ac40	ANT13	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ac80	ANT13	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ac160	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ax20	ANT13	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ax40	ANT13	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ax80	ANT13	13.00	13.00	13.00	12.00	12.00	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.2G WLAN 802.11ax160	ANT13	17.00	15.00	13.00	12.10	12.10	11.00	10.00	8.00	13.00	13.00	13.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11a	ANT13	17.10	15.10	13.10	12.00	12.00	11.10	10.10	8.10	17.10	15.10	15.10	13.10	12.10	12.10	9.10
5.3G WLAN 802.11n20	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11n40	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11ac20	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11ac40	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11ac80	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11ax20	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11ax40	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.3G WLAN 802.11ax80	ANT13	17.00	15.00	13.00	12.10	12.10	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00

5.6G WLAN 802.11a	ANT13	17.10	15.10	13.10	12.00	12.00	11.10	10.10	8.10	17.10	15.10	15.10	13.10	12.10	12.10	9.10
5.6G WLAN 802.11n20	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11n40	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ac20	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ac40	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ac80	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ac160	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ax20	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ax40	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ax80	ANT13	17.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.6G WLAN 802.11ax160	ANT13	17.00	15.00	13.00	12.10	12.10	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11a	ANT13	20.10	15.10	13.10	12.00	12.00	11.10	10.10	8.10	17.10	15.10	15.10	13.10	12.10	12.10	9.10
5.8G WLAN 802.11n20	ANT13	20.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11n40	ANT13	19.50	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11ac20	ANT13	20.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11ac40	ANT13	19.50	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11ac80	ANT13	19.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11ax20	ANT13	20.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00

5.8G WLAN 802.11ax40	ANT13	19.50	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
5.8G WLAN 802.11ax80	ANT13	19.00	15.00	13.00	12.00	12.00	11.00	10.00	8.00	17.00	15.00	15.00	13.00	12.00	12.00	9.00
Bluetooth	ANT0	13.00	12.00	12.00	12.00	12.00	12.00	12.00	10.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00

WLAN Antenna Chain0&1

Mode	Antenna	WLAN Antenna Chain0														
		Full Power	Head							Body						
			Receiver on							Receiver off						
			Level1	Level2	Level3	Level4	Level5	Level6	Level7	Level8	Level9	Level10	Level11	Level12	Level13	Level14
2.4G WLAN 802.11b	ANT0&12	22.00	16.50	15.50	15.50	13.50	12.00	12.00	10.00	16.50	15.50	15.50	14.00	12.00	12.00	10.00
2.4G WLAN 802.11g	ANT0&12	22.10	16.60	15.60	15.60	13.60	12.10	12.10	10.10	16.60	15.60	15.60	14.10	12.10	12.10	10.10
2.4G WLAN 802.11n20	ANT0&12	22.00	16.50	15.50	15.50	13.50	12.00	12.00	10.00	16.50	15.50	15.50	14.00	12.00	12.00	10.00
2.4G WLAN 802.11n40	ANT0&12	20.00	16.50	15.50	15.50	13.50	12.00	12.00	10.00	16.50	15.50	15.50	14.00	12.00	12.00	10.00
2.4G WLAN 802.11ac20	ANT0&12	22.00	16.50	15.50	15.50	13.50	12.00	12.00	10.00	16.50	15.50	15.50	14.00	12.00	12.00	10.00
2.4G WLAN 802.11ac40	ANT0&12	20.00	16.50	15.50	15.50	13.50	12.00	12.00	10.00	16.50	15.50	15.50	14.00	12.00	12.00	10.00
2.4G WLAN 802.11ax20	ANT0&12	22.00	16.50	15.50	15.50	13.50	12.00	12.00	10.00	16.50	15.50	15.50	14.00	12.00	12.00	10.00
2.4G WLAN 802.11ax40	ANT0&12	21.00	16.50	15.50	15.50	13.50	12.00	12.00	10.00	16.50	15.50	15.50	14.00	12.00	12.00	10.00
5.2G WLAN 802.11a	ANT9&13	16.10	16.10	16.10	16.10	15.10	15.10	14.10	13.10	11.10	16.10	16.10	16.10	16.10	15.10	15.10	12.10

5.2G WLAN 802.11n20	ANT9&13	16.00	16.00	16.00	15.00	15.00	14.00	13.00	11.00	16.00	16.00	16.00	16.00	15.00	15.00	12.00
5.2G WLAN 802.11n40	ANT9&13	16.00	16.00	16.00	15.00	15.00	14.00	13.00	11.00	16.00	16.00	16.00	16.00	15.00	15.00	12.00
5.2G WLAN 802.11ac20	ANT9&13	16.00	16.00	16.00	15.00	15.00	14.00	13.00	11.00	16.00	16.00	16.00	16.00	15.00	15.00	12.00
5.2G WLAN 802.11ac40	ANT9&13	16.00	16.00	16.00	15.00	15.00	14.00	13.00	11.00	16.00	16.00	16.00	16.00	15.00	15.00	12.00
5.2G WLAN 802.11ac80	ANT9&13	16.00	16.00	16.00	15.00	15.00	14.00	13.00	11.00	16.00	16.00	16.00	16.00	15.00	15.00	12.00
5.2G WLAN 802.11ac80	ANT9&13	18.50	18.00	16.00	15.00	15.00	14.00	13.00	11.00	16.00	16.00	16.00	16.00	15.00	15.00	12.00
5.2G WLAN 802.11ax20	ANT9&13	16.00	16.00	16.00	15.00	15.00	14.00	13.00	11.00	16.00	16.00	16.00	16.00	15.00	15.00	12.00
5.2G WLAN 802.11ax40	ANT9&13	16.00	16.00	16.00	15.00	15.00	14.00	13.00	11.00	16.00	16.00	16.00	16.00	15.00	15.00	12.00
5.2G WLAN 802.11ax80	ANT9&13	16.00	16.00	16.00	15.00	15.00	14.00	13.00	11.00	16.00	16.00	16.00	16.00	15.00	15.00	12.00
5.2G WLAN 802.11ax80	ANT9&13	18.50	18.00	16.00	15.10	15.10	14.00	13.00	11.00	16.00	16.00	16.00	16.00	15.00	15.00	12.00
5.3G WLAN 802.11a	ANT9&13	20.10	18.10	16.10	15.00	15.00	14.10	13.10	11.10	20.10	18.10	18.10	16.10	15.10	15.10	12.10
5.3G WLAN 802.11n20	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.3G WLAN 802.11n40	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.3G WLAN 802.11ac20	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00

5.3G WLAN 802.11ac40	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.3G WLAN 802.11ac80	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.3G WLAN 802.11ax20	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.3G WLAN 802.11ax40	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.3G WLAN 802.11ax80	ANT9&13	20.00	18.00	16.00	15.10	15.10	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.6G WLAN 802.11a	ANT9&13	20.10	18.10	16.10	15.00	15.00	14.10	13.10	11.10	20.10	18.10	18.10	16.10	15.10	15.10	12.10
5.6G WLAN 802.11n20	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.6G WLAN 802.11n40	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.6G WLAN 802.11ac20	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.6G WLAN 802.11ac40	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.6G WLAN 802.11ac80	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.6G WLAN 802.11ac80	ANT9&13	18.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.6G WLAN 802.11ax20	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.6G WLAN 802.11ax40	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00

5.6G WLAN 802.11ax80	ANT9&13	20.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.6G WLAN 802.11ax80	ANT9&13	18.00	18.00	16.00	15.10	15.10	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.8G WLAN 802.11a	ANT9&13	23.10	18.10	16.10	15.00	15.00	14.10	13.10	11.10	20.10	18.10	18.10	16.10	15.10	15.10	12.10
5.8G WLAN 802.11n20	ANT9&13	23.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.8G WLAN 802.11n40	ANT9&13	22.50	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.8G WLAN 802.11ac20	ANT9&13	23.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.8G WLAN 802.11ac40	ANT9&13	22.50	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.8G WLAN 802.11ac80	ANT9&13	22.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.8G WLAN 802.11ax20	ANT9&13	23.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.8G WLAN 802.11ax40	ANT9&13	22.50	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00
5.8G WLAN 802.11ax80	ANT9&13	22.00	18.00	16.00	15.00	15.00	14.00	13.00	11.00	20.00	18.00	18.00	16.00	15.00	15.00	12.00

8.2 GSM

Please refer the document “BL-SZ2380398-701 Conducted RF Output Power List.pdf”.

8.3 WCDMA

Please refer the document “BL-SZ2380398-701 Conducted RF Output Power List.pdf”.

8.4 LTE

Please refer the document “BL-SZ2380398-701 Conducted RF Output Power List.pdf”.

8.5 Intra-Band Uplink CA Normal Power

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

Please refer the document “BL-SZ2380398-701 Conducted RF Output Power List.pdf”.

8.6 LTE-EN DC Power

Please refer the document “BL-SZ2380398-701 Conducted RF Output Power List.pdf”.

8.7 NR-SA Power

Please refer the document “BL-SZ2380398-701 Conducted RF Output Power List.pdf”.

8.8 NR-NSA Power

Please refer the document “BL-SZ2380398-701 Conducted RF Output Power List.pdf”.

8.9 WIFI

8.9.1 2.4G WIFI Ant. 12 Full power

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	**18.90**	19.00	Yes
		6	2437	18.44	19.00	Yes
		11	2462	18.46	19.00	Yes
	802.11g	1	2412	15.77	17.00	No
		2	2417	17.32	18.00	No
		3	2422	18.72	19.10	No
		6	2437	18.43	19.10	No
		8	2447	18.55	19.10	No
		9	2452	18.14	19.10	No
		10	2457	16.05	17.00	No
		11	2462	14.94	16.50	No
	802.11n(HT20)	1	2412	15.13	16.50	No
		2	2417	17.22	19.00	No
		3	2422	18.62	19.00	No
		4	2427	18.53	19.00	No
		6	2437	18.41	19.00	No
		8	2447	18.49	19.00	No
		9	2452	18.00	18.50	No
		10	2457	15.85	17.00	No
		11	2462	14.27	16.00	No
	802.11n(HT40)	3	2422	13.31	15.00	No
		4	2427	13.03	15.00	No
		5	2432	14.53	16.00	No
		6	2437	16.07	17.00	No
		7	2442	15.01	17.00	No
		8	2447	14.03	16.00	No
		9	2452	13.09	15.00	No
	802.11ac(VHT20)	1	2412	15.31	17.00	No
		2	2413	17.45	18.00	No
		3	2414	18.84	19.00	No
		6	2437	18.55	19.00	No
		8	2447	18.67	19.00	No
		9	2452	17.73	19.00	No
		10	2457	16.13	18.00	No
		11	2462	14.35	16.00	No

		3	2422	13.09	14.00	No
	802.11ac(VHT40)	4	2427	13.14	14.00	No
		5	2432	14.54	15.00	No
		6	2437	16.06	16.50	No
		7	2442	15.06	17.00	No
		8	2447	14.10	16.00	No
		9	2452	12.84	14.00	No
		1	2412	14.45	16.00	No
	802.11ax(HE20)	2	2417	16.47	18.00	No
		3	2422	17.43	19.00	No
		4	2427	18.90	19.00	No
		6	2437	18.71	19.00	No
		8	2447	18.85	19.00	No
		9	2452	17.40	19.00	No
		10	2457	15.23	17.00	No
		11	2462	13.13	15.00	No
	802.11ax(HE40)	3	2422	13.42	15.00	No
		4	2427	12.99	14.00	No
		5	2432	14.59	16.00	No
		6	2437	16.08	18.00	No
		7	2442	16.10	17.00	No
		8	2447	15.05	16.00	No
		9	2452	12.94	14.00	No
		1	2412	18.90	19.00	No

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

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

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

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

8.9.2 2.4G WIFI Ant. 0 Full power

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	17.69	19.00	Yes
		6	2437	**17.92**	19.00	Yes
		11	2462	17.50	19.00	Yes
	802.11g	1	2412	16.78	17.00	No
		2	2417	17.89	18.00	No
		3	2422	18.01	19.10	No
		6	2437	17.78	19.10	No
		8	2447	17.79	19.10	No
		9	2452	17.74	19.10	No
		10	2457	17.75	19.10	No
		11	2462	16.23	16.50	No
	802.11n(HT20)	1	2412	16.20	16.50	No
		2	2417	17.92	19.00	No
		3	2422	17.99	19.00	No
		4	2427	17.90	19.00	No
		6	2437	17.82	19.00	No
		8	2447	17.66	19.00	No
		9	2452	17.74	19.00	No
		10	2457	17.59	19.00	No
		11	2462	16.13	16.50	No
	802.11n(HT40)	3	2422	13.82	14.00	No
		4	2427	14.33	14.50	No
		5	2432	15.77	16.00	No
		6	2437	16.77	18.00	No
		7	2442	16.37	18.00	No
		8	2447	15.16	15.50	No
		9	2452	14.52	15.00	No
	802.11ac(VHT20)	1	2412	16.23	17.00	No
		2	2413	17.87	19.00	No
		3	2414	17.97	19.00	No
		6	2437	17.83	19.00	No
		8	2447	17.67	19.00	No
		9	2452	17.74	19.00	No
		10	2457	17.78	19.00	No
		11	2462	16.20	17.00	No

	802.11ac(VHT40)	3	2422	13.50	14.00	No
		4	2427	14.47	15.00	No
		5	2432	14.92	15.00	No
		6	2437	16.53	18.50	No
		7	2442	16.51	18.00	No
		8	2447	15.39	17.00	No
		9	2452	14.26	16.00	No
	802.11ax(HE20)	1	2412	15.49	17.00	No
		2	2417	18.16	19.00	No
		3	2422	18.29	19.00	No
		4	2427	18.22	19.00	No
		6	2437	18.14	19.00	No
		8	2447	18.04	19.00	No
		9	2452	17.99	19.00	No
		10	2457	18.03	19.00	No
		11	2462	15.42	17.00	No
	802.11ax(HE40)	3	2422	12.93	14.00	No
		4	2427	13.75	15.00	No
		5	2432	14.76	16.00	No
		6	2437	16.27	18.00	No
		7	2442	15.71	17.00	No
		8	2447	14.58	16.00	No
		9	2452	13.87	15.00	No

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

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

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

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

8.9.3 2.4G WIFI Ant. 0&12 Full power

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	21.35	22.0	Yes
		6	2437	21.20	22.0	Yes
		11	2462	21.02	22.0	Yes
	802.11g	1	2412	19.31	20.0	No
		2	2417	20.62	21.0	No
		3	2422	21.39	22.1	No
		6	2437	21.13	22.1	No
		8	2447	21.20	22.1	No
		9	2452	20.95	22.1	No
		10	2457	19.99	20.0	No
		11	2462	18.64	19.5	No
	802.11n(HT20)	1	2412	18.71	19.5	No
		2	2417	20.59	22.0	No
		3	2422	21.33	22.0	No
		4	2427	21.24	22.0	No
		6	2437	21.14	22.0	No
		8	2447	21.11	22.0	No
		9	2452	20.88	21.5	No
		10	2457	19.82	20.0	No
		11	2462	18.31	19.0	No
	802.11n(HT40)	3	2422	16.58	18.0	No
		4	2427	16.74	18.0	No
		5	2432	18.20	19.0	No
		6	2437	19.44	20.0	No
		7	2442	18.75	20.0	No
		8	2447	17.64	19.0	No
		9	2452	16.87	18.0	No
	802.11ac(VHT20)	1	2412	18.80	20.0	No
		2	2413	20.68	21.0	No
		3	2414	21.44	22.0	No
		6	2437	21.22	22.0	No
		8	2447	21.21	22.0	No
		9	2452	20.75	22.0	No
		10	2457	20.04	21.0	No
		11	2462	18.38	19.0	No

	802.11ac(VHT40)	3	2422	16.31	17.0	No
		4	2427	16.87	17.0	No
		5	2432	17.74	18.0	No
		6	2437	19.31	19.5	No
		7	2442	18.86	20.0	No
		8	2447	17.80	19.0	No
		9	2452	16.62	17.0	No
	802.11ax(HE20)	1	2412	18.01	19.0	No
		2	2417	20.41	21.0	No
		3	2422	20.89	22.0	No
		4	2427	21.58	22.0	No
		6	2437	21.44	22.0	No
		8	2447	21.47	22.0	No
		9	2452	20.72	22.0	No
		10	2457	19.86	20.0	No
		11	2462	17.43	18.0	No
	802.11ax(HE40)	3	2422	16.19	18.0	No
		4	2427	16.40	17.0	No
		5	2432	17.69	19.0	No
		6	2437	19.19	21.0	No
		7	2442	18.92	20.0	No
		8	2447	17.83	19.0	No
		9	2452	16.44	17.0	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.

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

8.9.4 2.4G WIFI Ant. 12 Level1&8

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	13.43	13.50	Yes
		6	2437	12.88	13.50	Yes
		11	2462	12.89	13.50	Yes
	802.11g	1	2412	12.94	13.60	No
		2	2417	12.75	13.60	No
		3	2422	13.45	13.60	No
		6	2437	13.41	13.60	No
		8	2447	12.97	13.60	No
		9	2452	13.42	13.60	No
		10	2457	13.45	13.60	No
		11	2462	12.55	13.60	No
	802.11n(HT20)	1	2412	12.93	13.50	No
		2	2417	12.89	13.50	No
		3	2422	12.63	13.50	No
		4	2427	12.86	13.50	No
		6	2437	12.53	13.50	No
		8	2447	12.96	13.50	No
		9	2452	12.88	13.50	No
		10	2457	13.07	13.50	No
		11	2462	12.85	13.50	No
	802.11n(HT40)	3	2422	12.70	13.50	No
		4	2427	12.84	13.50	No
		5	2432	12.50	13.50	No
		6	2437	12.80	13.50	No
		7	2442	12.85	13.50	No
		8	2447	13.32	13.50	No
		9	2452	12.85	13.50	No
	802.11ac(VHT20)	1	2412	12.47	13.50	No
		2	2413	13.16	13.50	No
		3	2414	12.82	13.50	No
		6	2437	12.82	13.50	No
		8	2447	13.07	13.50	No
		9	2452	12.76	13.50	No
		10	2457	12.49	13.50	No
		11	2462	13.35	13.50	No
	802.11ac(VHT40)	3	2422	12.99	13.50	No

		4	2427	12.94	13.50	No
		5	2432	12.98	13.50	No
		6	2437	12.84	13.50	No
		7	2442	13.06	13.50	No
		8	2447	13.24	13.50	No
		9	2452	12.63	13.50	No
	802.11ax(HE20)	1	2412	13.33	13.50	No
		2	2417	12.99	13.50	No
		3	2422	12.56	13.50	No
		4	2427	12.82	13.50	No
		6	2437	12.89	13.50	No
		8	2447	12.78	13.50	No
		9	2452	13.24	13.50	No
		10	2457	12.93	13.50	No
		11	2462	12.55	13.50	No
	802.11ax(HE40)	3	2422	12.60	13.50	No
		4	2427	13.34	13.50	No
		5	2432	13.26	13.50	No
		6	2437	13.12	13.50	No
		7	2442	12.64	13.50	No
		8	2447	12.70	13.50	No
		9	2452	13.12	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.

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

8.9.5 2.4G WIFI Ant. 0 Level1&8

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	12.21	13.50	Yes
		6	2437	12.46	13.50	Yes
		11	2462	12.21	13.50	Yes
	802.11g	1	2412	12.61	13.60	No
		2	2417	12.56	13.60	No
		3	2422	12.96	13.60	No
		6	2437	12.95	13.60	No
		8	2447	13.33	13.60	No
		9	2452	12.84	13.60	No
		10	2457	13.22	13.60	No
		11	2462	12.66	13.60	No
	802.11n(HT20)	1	2412	12.84	13.50	No
		2	2417	12.77	13.50	No
		3	2422	12.71	13.50	No
		4	2427	12.61	13.50	No
		6	2437	12.57	13.50	No
		8	2447	12.65	13.50	No
		9	2452	13.05	13.50	No
		10	2457	12.89	13.50	No
		11	2462	13.35	13.50	No
	802.11n(HT40)	3	2422	12.91	13.50	No
		4	2427	12.63	13.50	No
		5	2432	13.11	13.50	No
		6	2437	12.74	13.50	No
		7	2442	12.94	13.50	No
		8	2447	12.52	13.50	No
		9	2452	12.54	13.50	No
	802.11ac(VHT20)	1	2412	12.60	13.50	No
		2	2413	12.52	13.50	No
		3	2414	12.59	13.50	No
		6	2437	13.09	13.50	No
		8	2447	12.59	13.50	No
		9	2452	12.90	13.50	No
		10	2457	12.61	13.50	No
		11	2462	13.00	13.50	No

	802.11ac(VHT40)	3	2422	12.77	13.50	No
		4	2427	12.85	13.50	No
		5	2432	12.87	13.50	No
		6	2437	13.29	13.50	No
		7	2442	13.30	13.50	No
		8	2447	12.88	13.50	No
		9	2452	12.59	13.50	No
	802.11ax(HE20)	1	2412	13.35	13.50	No
		2	2417	12.54	13.50	No
		3	2422	12.57	13.50	No
		4	2427	13.34	13.50	No
		6	2437	12.74	13.50	No
		8	2447	13.09	13.50	No
		9	2452	13.17	13.50	No
		10	2457	12.47	13.50	No
		11	2462	12.53	13.50	No
	802.11ax(HE40)	3	2422	12.47	13.50	No
		4	2427	13.31	13.50	No
		5	2432	12.60	13.50	No
		6	2437	12.95	13.50	No
		7	2442	12.92	13.50	No
		8	2447	12.54	13.50	No
		9	2452	12.78	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.

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

8.9.6 2.4G WIFI Ant. 0&12 Level1&8

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	15.87	16.5	Yes
		6	2437	15.69	16.5	Yes
		11	2462	15.57	16.5	Yes
	802.11g	1	2412	15.79	16.6	No
		2	2417	15.67	16.6	No
		3	2422	16.22	16.6	No
		6	2437	16.20	16.6	No
		8	2447	16.16	16.6	No
		9	2452	16.15	16.6	No
		10	2457	16.35	16.6	No
		11	2462	15.62	16.6	No
	802.11n(HT20)	1	2412	15.90	16.5	No
		2	2417	15.84	16.5	No
		3	2422	15.68	16.5	No
		4	2427	15.75	16.5	No
		6	2437	15.56	16.5	No
		8	2447	15.82	16.5	No
		9	2452	15.98	16.5	No
		10	2457	15.99	16.5	No
		11	2462	16.12	16.5	No
	802.11n(HT40)	3	2422	15.82	16.5	No
		4	2427	15.75	16.5	No
		5	2432	15.83	16.5	No
		6	2437	15.78	16.5	No
		7	2442	15.91	16.5	No
		8	2447	15.95	16.5	No
		9	2452	15.71	16.5	No
	802.11ac(VHT20)	1	2412	15.55	16.5	No
		2	2413	15.86	16.5	No
		3	2414	15.72	16.5	No
		6	2437	15.97	16.5	No
		8	2447	15.85	16.5	No
		9	2452	15.84	16.5	No
		10	2457	15.56	16.5	No
		11	2462	16.19	16.5	No

	802.11ac(VHT40)	3	2422	15.89	16.5	No
		4	2427	15.91	16.5	No
		5	2432	15.94	16.5	No
		6	2437	16.08	16.5	No
		7	2442	16.19	16.5	No
		8	2447	16.07	16.5	No
		9	2452	15.62	16.5	No
	802.11ax(HE20)	1	2412	16.35	16.5	No
		2	2417	15.78	16.5	No
		3	2422	15.58	16.5	No
		4	2427	16.10	16.5	No
		6	2437	15.83	16.5	No
		8	2447	15.95	16.5	No
		9	2452	16.22	16.5	No
		10	2457	15.72	16.5	No
		11	2462	15.55	16.5	No
	802.11ax(HE40)	3	2422	15.55	16.5	No
		4	2427	16.34	16.5	No
		5	2432	15.95	16.5	No
		6	2437	16.05	16.5	No
		7	2442	15.79	16.5	No
		8	2447	15.63	16.5	No
		9	2452	15.96	16.5	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.

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

8.9.7 2.4G WIFI Ant. 12 Level2&3&9&10

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	12.32	12.50	Yes
		6	2437	11.88	12.50	Yes
		11	2462	11.76	12.50	Yes
	802.11g	1	2412	11.75	12.60	No
		2	2417	11.87	12.60	No
		3	2422	11.59	12.60	No
		6	2437	12.11	12.60	No
		8	2447	12.29	12.60	No
		9	2452	11.83	12.60	No
		10	2457	12.07	12.60	No
		11	2462	11.84	12.60	No
	802.11n(HT20)	1	2412	12.20	12.50	No
		2	2417	12.27	12.50	No
		3	2422	11.97	12.50	No
		4	2427	12.25	12.50	No
		6	2437	11.52	12.50	No
		8	2447	11.81	12.50	No
		9	2452	11.63	12.50	No
		10	2457	11.62	12.50	No
		11	2462	11.66	12.50	No
	802.11n(HT40)	3	2422	11.77	12.50	No
		4	2427	12.30	12.50	No
		5	2432	12.23	12.50	No
		6	2437	11.84	12.50	No
		7	2442	11.55	12.50	No
		8	2447	11.80	12.50	No
		9	2452	12.22	12.50	No
	802.11ac(VHT20)	1	2412	11.98	12.50	No
		2	2413	11.55	12.50	No
		3	2414	11.74	12.50	No
		6	2437	11.92	12.50	No
		8	2447	11.66	12.50	No
		9	2452	11.84	12.50	No
		10	2457	12.27	12.50	No
		11	2462	11.55	12.50	No
	802.11ac(VHT40)	3	2422	11.80	12.50	No

		4	2427	11.57	12.50	No
		5	2432	12.35	12.50	No
		6	2437	11.48	12.50	No
		7	2442	11.88	12.50	No
		8	2447	12.01	12.50	No
		9	2452	12.21	12.50	No
	802.11ax(HE20)	1	2412	11.52	12.50	No
		2	2417	11.75	12.50	No
		3	2422	11.80	12.50	No
		4	2427	11.57	12.50	No
		6	2437	12.11	12.50	No
		8	2447	12.16	12.50	No
		9	2452	11.88	12.50	No
		10	2457	11.87	12.50	No
		11	2462	11.92	12.50	No
	802.11ax(HE40)	3	2422	11.88	12.50	No
		4	2427	11.62	12.50	No
		5	2432	11.48	12.50	No
		6	2437	11.97	12.50	No
		7	2442	12.25	12.50	No
		8	2447	11.59	12.50	No
		9	2452	11.48	12.50	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.

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

8.9.8 2.4G WIFI Ant. 0 Level2&3&9&10

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	11.25	12.50	Yes
		6	2437	11.31	12.50	Yes
		11	2462	11.16	12.50	Yes
	802.11g	1	2412	11.56	12.60	No
		2	2417	12.18	12.60	No
		3	2422	12.15	12.60	No
		6	2437	12.30	12.60	No
		8	2447	12.03	12.60	No
		9	2452	12.39	12.60	No
		10	2457	12.17	12.60	No
		11	2462	11.76	12.60	No
	802.11n(HT20)	1	2412	11.94	12.50	No
		2	2417	11.53	12.50	No
		3	2422	11.76	12.50	No
		4	2427	11.97	12.50	No
		6	2437	11.74	12.50	No
		8	2447	11.62	12.50	No
		9	2452	11.70	12.50	No
		10	2457	12.09	12.50	No
		11	2462	11.56	12.50	No
	802.11n(HT40)	3	2422	11.72	12.50	No
		4	2427	11.49	12.50	No
		5	2432	11.68	12.50	No
		6	2437	11.89	12.50	No
		7	2442	12.15	12.50	No
		8	2447	12.24	12.50	No
		9	2452	11.95	12.50	No
	802.11ac(VHT20)	1	2412	11.59	12.50	No
		2	2413	12.00	12.50	No
		3	2414	12.25	12.50	No
		6	2437	11.51	12.50	No
		8	2447	11.58	12.50	No
		9	2452	12.24	12.50	No
		10	2457	11.50	12.50	No
		11	2462	12.32	12.50	No

	802.11ac(VHT40)	3	2422	12.08	12.50	No
		4	2427	11.53	12.50	No
		5	2432	12.16	12.50	No
		6	2437	11.55	12.50	No
		7	2442	12.17	12.50	No
		8	2447	11.64	12.50	No
		9	2452	11.70	12.50	No
	802.11ax(HE20)	1	2412	11.80	12.50	No
		2	2417	12.33	12.50	No
		3	2422	11.92	12.50	No
		4	2427	11.74	12.50	No
		6	2437	11.46	12.50	No
		8	2447	12.27	12.50	No
		9	2452	11.98	12.50	No
		10	2457	11.70	12.50	No
		11	2462	11.67	12.50	No
	802.11ax(HE40)	3	2422	12.16	12.50	No
		4	2427	11.57	12.50	No
		5	2432	12.26	12.50	No
		6	2437	11.56	12.50	No
		7	2442	11.87	12.50	No
		8	2447	11.73	12.50	No
		9	2452	12.24	12.50	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.

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

8.9.9 2.4G WIFI Ant. 0&12 Level2&3&9&10

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	14.83	15.5	Yes
		6	2437	14.61	15.5	Yes
		11	2462	14.48	15.5	Yes
	802.11g	1	2412	14.67	15.6	No
		2	2417	15.04	15.6	No
		3	2422	14.89	15.6	No
		6	2437	15.22	15.6	No
		8	2447	15.17	15.6	No
		9	2452	15.13	15.6	No
		10	2457	15.13	15.6	No
		11	2462	14.81	15.6	No
	802.11n(HT20)	1	2412	15.08	15.5	No
		2	2417	14.93	15.5	No
		3	2422	14.88	15.5	No
		4	2427	15.12	15.5	No
		6	2437	14.64	15.5	No
		8	2447	14.73	15.5	No
		9	2452	14.68	15.5	No
		10	2457	14.87	15.5	No
		11	2462	14.62	15.5	No
	802.11n(HT40)	3	2422	14.76	15.5	No
		4	2427	14.92	15.5	No
		5	2432	14.97	15.5	No
		6	2437	14.88	15.5	No
		7	2442	14.87	15.5	No
		8	2447	15.04	15.5	No
		9	2452	15.10	15.5	No
	802.11ac(VHT20)	1	2412	14.80	15.5	No
		2	2413	14.79	15.5	No
		3	2414	15.01	15.5	No
		6	2437	14.73	15.5	No
		8	2447	14.63	15.5	No
		9	2452	15.05	15.5	No
		10	2457	14.91	15.5	No
		11	2462	14.96	15.5	No

	802.11ac(VHT40)	3	2422	14.95	15.5	No
		4	2427	14.56	15.5	No
		5	2432	15.27	15.5	No
		6	2437	14.53	15.5	No
		7	2442	15.04	15.5	No
		8	2447	14.84	15.5	No
		9	2452	14.97	15.5	No
	802.11ax(HE20)	1	2412	14.67	15.5	No
		2	2417	15.06	15.5	No
		3	2422	14.87	15.5	No
		4	2427	14.67	15.5	No
		6	2437	14.81	15.5	No
		8	2447	15.23	15.5	No
		9	2452	14.94	15.5	No
		10	2457	14.80	15.5	No
		11	2462	14.81	15.5	No
	802.11ax(HE40)	3	2422	15.03	15.5	No
		4	2427	14.61	15.5	No
		5	2432	14.90	15.5	No
		6	2437	14.78	15.5	No
		7	2442	15.07	15.5	No
		8	2447	14.67	15.5	No
		9	2452	14.89	15.5	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.

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

8.9.10 2.4G WIFI Ant. 12 Level4

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	10.25	10.50	Yes
		6	2437	9.99	10.50	Yes
		11	2462	9.85	10.50	Yes
	802.11g	1	2412	9.97	10.60	No
		2	2417	9.88	10.60	No
		3	2422	10.43	10.60	No
		6	2437	9.58	10.60	No
		8	2447	10.16	10.60	No
		9	2452	10.28	10.60	No
		10	2457	9.72	10.60	No
		11	2462	10.22	10.60	No
	802.11n(HT20)	1	2412	10.06	10.50	No
		2	2417	9.55	10.50	No
		3	2422	9.72	10.50	No
		4	2427	9.87	10.50	No
		6	2437	10.00	10.50	No
		8	2447	10.33	10.50	No
		9	2452	9.71	10.50	No
		10	2457	10.26	10.50	No
		11	2462	9.83	10.50	No
	802.11n(HT40)	3	2422	10.33	10.50	No
		4	2427	10.31	10.50	No
		5	2432	10.32	10.50	No
		6	2437	9.87	10.50	No
		7	2442	9.95	10.50	No
		8	2447	9.56	10.50	No
		9	2452	10.02	10.50	No
	802.11ac(VHT20)	1	2412	9.57	10.50	No
		2	2413	10.20	10.50	No
		3	2414	10.06	10.50	No
		6	2437	9.83	10.50	No
		8	2447	9.93	10.50	No
		9	2452	10.14	10.50	No
		10	2457	9.66	10.50	No
		11	2462	9.45	10.50	No
	802.11ac(VHT40)	3	2422	9.91	10.50	No

		4	2427	9.84	10.50	No
		5	2432	10.09	10.50	No
		6	2437	10.13	10.50	No
		7	2442	10.07	10.50	No
		8	2447	9.70	10.50	No
		9	2452	10.35	10.50	No
	802.11ax(HE20)	1	2412	9.77	10.50	No
		2	2417	9.62	10.50	No
		3	2422	9.64	10.50	No
		4	2427	10.05	10.50	No
		6	2437	9.75	10.50	No
		8	2447	10.12	10.50	No
		9	2452	9.69	10.50	No
		10	2457	10.07	10.50	No
		11	2462	9.84	10.50	No
	802.11ax(HE40)	3	2422	9.87	10.50	No
		4	2427	10.18	10.50	No
		5	2432	9.53	10.50	No
		6	2437	9.58	10.50	No
		7	2442	9.81	10.50	No
		8	2447	10.11	10.50	No
		9	2452	9.62	10.50	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.

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

8.9.11 2.4G WIFI Ant. 0 Level4

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	9.17	10.50	Yes
		6	2437	9.29	10.50	Yes
		11	2462	9.13	10.50	Yes
	802.11g	1	2412	10.09	10.60	No
		2	2417	9.79	10.60	No
		3	2422	9.98	10.60	No
		6	2437	10.41	10.60	No
		8	2447	9.57	10.60	No
		9	2452	10.21	10.60	No
		10	2457	10.32	10.60	No
		11	2462	9.84	10.60	No
	802.11n(HT20)	1	2412	9.86	10.50	No
		2	2417	9.83	10.50	No
		3	2422	10.33	10.50	No
		4	2427	9.54	10.50	No
		6	2437	10.33	10.50	No
		8	2447	10.05	10.50	No
		9	2452	9.96	10.50	No
		10	2457	9.55	10.50	No
		11	2462	9.90	10.50	No
	802.11n(HT40)	3	2422	10.33	10.50	No
		4	2427	9.96	10.50	No
		5	2432	9.58	10.50	No
		6	2437	9.71	10.50	No
		7	2442	9.51	10.50	No
		8	2447	10.11	10.50	No
		9	2452	9.85	10.50	No
	802.11ac(VHT20)	1	2412	9.58	10.50	No
		2	2413	9.79	10.50	No
		3	2414	10.03	10.50	No
		6	2437	10.33	10.50	No
		8	2447	10.09	10.50	No
		9	2452	9.59	10.50	No
		10	2457	9.63	10.50	No
		11	2462	9.95	10.50	No
	802.11ac(VHT40)	3	2422	9.59	10.50	No

		4	2427	10.22	10.50	No
		5	2432	9.99	10.50	No
		6	2437	9.89	10.50	No
		7	2442	10.14	10.50	No
		8	2447	10.26	10.50	No
		9	2452	10.30	10.50	No
	802.11ax(HE20)	1	2412	10.24	10.50	No
		2	2417	10.16	10.50	No
		3	2422	9.47	10.50	No
		4	2427	9.47	10.50	No
		6	2437	10.11	10.50	No
		8	2447	10.13	10.50	No
		9	2452	9.93	10.50	No
		10	2457	9.51	10.50	No
		11	2462	9.66	10.50	No
	802.11ax(HE40)	3	2422	9.84	10.50	No
		4	2427	9.84	10.50	No
		5	2432	10.34	10.50	No
		6	2437	9.71	10.50	No
		7	2442	10.03	10.50	No
		8	2447	9.98	10.50	No
		9	2452	10.19	10.50	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.

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

8.9.12 2.4G WIFI Ant. 0&12 Level4

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	12.75	13.5	Yes
		6	2437	12.66	13.5	Yes
		11	2462	12.52	13.5	Yes
	802.11g	1	2412	13.04	13.6	No
		2	2417	12.85	13.6	No
		3	2422	13.22	13.6	No
		6	2437	13.03	13.6	No
		8	2447	12.89	13.6	No
		9	2452	13.26	13.6	No
		10	2457	13.04	13.6	No
		11	2462	13.04	13.6	No
	802.11n(HT20)	1	2412	12.97	13.5	No
		2	2417	12.70	13.5	No
		3	2422	13.05	13.5	No
		4	2427	12.72	13.5	No
		6	2437	13.18	13.5	No
		8	2447	13.20	13.5	No
		9	2452	12.85	13.5	No
		10	2457	12.93	13.5	No
		11	2462	12.88	13.5	No
	802.11n(HT40)	3	2422	13.34	13.5	No
		4	2427	13.15	13.5	No
		5	2432	12.98	13.5	No
		6	2437	12.80	13.5	No
		7	2442	12.75	13.5	No
		8	2447	12.85	13.5	No
		9	2452	12.95	13.5	No
	802.11ac(VHT20)	1	2412	12.59	13.5	No
		2	2413	13.01	13.5	No
		3	2414	13.06	13.5	No
		6	2437	13.10	13.5	No
		8	2447	13.02	13.5	No
		9	2452	12.88	13.5	No
		10	2457	12.66	13.5	No
		11	2462	12.72	13.5	No
	802.11ac(VHT40)	3	2422	12.76	13.5	No

		4	2427	13.04	13.5	No
		5	2432	13.05	13.5	No
		6	2437	13.02	13.5	No
		7	2442	13.12	13.5	No
		8	2447	13.00	13.5	No
		9	2452	13.34	13.5	No
	802.11ax(HE20)	1	2412	13.02	13.5	No
		2	2417	12.91	13.5	No
		3	2422	12.57	13.5	No
		4	2427	12.78	13.5	No
		6	2437	12.94	13.5	No
		8	2447	13.14	13.5	No
		9	2452	12.82	13.5	No
		10	2457	12.81	13.5	No
		11	2462	12.76	13.5	No
	802.11ax(HE40)	3	2422	12.87	13.5	No
		4	2427	13.02	13.5	No
		5	2432	12.96	13.5	No
		6	2437	12.66	13.5	No
		7	2442	12.93	13.5	No
		8	2447	13.06	13.5	No
		9	2452	12.92	13.5	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.

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

8.9.13 2.4G WIFI Ant. 12 Level5&6&12&13

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	8.73	9.00	Yes
		6	2437	8.43	9.00	Yes
		11	2462	8.39	9.00	Yes
	802.11g	1	2412	8.07	9.10	No
		2	2417	8.57	9.10	No
		3	2422	8.54	9.10	No
		6	2437	8.09	9.10	No
		8	2447	8.58	9.10	No
		9	2452	8.49	9.10	No
		10	2457	8.39	9.10	No
		11	2462	8.56	9.10	No
	802.11n(HT20)	1	2412	8.67	9.00	No
		2	2417	8.65	9.00	No
		3	2422	8.23	9.00	No
		4	2427	7.96	9.00	No
		6	2437	8.67	9.00	No
		8	2447	8.58	9.00	No
		9	2452	8.55	9.00	No
		10	2457	8.41	9.00	No
		11	2462	8.00	9.00	No
	802.11n(HT40)	3	2422	8.14	9.00	No
		4	2427	8.23	9.00	No
		5	2432	8.60	9.00	No
		6	2437	8.43	9.00	No
		7	2442	8.52	9.00	No
		8	2447	8.01	9.00	No
		9	2452	8.38	9.00	No
	802.11ac(VHT20)	1	2412	8.36	9.00	No
		2	2413	8.23	9.00	No
		3	2414	8.19	9.00	No
		6	2437	7.97	9.00	No
		8	2447	8.24	9.00	No
		9	2452	8.74	9.00	No
		10	2457	8.35	9.00	No
		11	2462	8.35	9.00	No
	802.11ac(VHT40)	3	2422	7.98	9.00	No

		4	2427	8.55	9.00	No
		5	2432	8.69	9.00	No
		6	2437	8.06	9.00	No
		7	2442	8.45	9.00	No
		8	2447	8.76	9.00	No
		9	2452	8.66	9.00	No
	802.11ax(HE20)	1	2412	8.53	9.00	No
		2	2417	8.59	9.00	No
		3	2422	8.50	9.00	No
		4	2427	8.19	9.00	No
		6	2437	8.06	9.00	No
		8	2447	8.48	9.00	No
		9	2452	8.80	9.00	No
		10	2457	8.79	9.00	No
		11	2462	8.55	9.00	No
	802.11ax(HE40)	3	2422	8.15	9.00	No
		4	2427	8.01	9.00	No
		5	2432	8.17	9.00	No
		6	2437	8.61	9.00	No
		7	2442	7.99	9.00	No
		8	2447	8.75	9.00	No
		9	2452	8.62	9.00	No

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

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

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

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

8.9.14 2.4G WIFI Ant. 0 Level5&6&12&13

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	8.84	9.00	Yes
		6	2437	8.71	9.00	Yes
		11	2462	8.28	9.00	Yes
	802.11g	1	2412	8.32	9.00	No
		2	2417	8.41	9.00	No
		3	2422	8.02	9.00	No
		6	2437	8.62	9.00	No
		8	2447	8.01	9.00	No
		9	2452	8.25	9.00	No
		10	2457	8.80	9.00	No
		11	2462	8.43	9.00	No
	802.11n(HT20)	1	2412	8.10	9.00	No
		2	2417	8.78	9.00	No
		3	2422	8.07	9.00	No
		4	2427	8.19	9.00	No
		6	2437	8.63	9.00	No
		8	2447	8.65	9.00	No
		9	2452	8.53	9.00	No
		10	2457	8.58	9.00	No
		11	2462	8.35	9.00	No
	802.11n(HT40)	3	2422	8.25	9.00	No
		4	2427	8.01	9.00	No
		5	2432	8.81	9.00	No
		6	2437	8.73	9.00	No
		7	2442	8.59	9.00	No
		8	2447	8.23	9.00	No
		9	2452	8.47	9.00	No
	802.11ac(VHT20)	1	2412	8.37	9.00	No
		2	2413	8.26	9.00	No
		3	2414	8.51	9.00	No
		6	2437	8.13	9.00	No
		8	2447	8.69	9.00	No
		9	2452	8.63	9.00	No
		10	2457	8.73	9.00	No
		11	2462	8.84	9.00	No
	802.11ac(VHT40)	3	2422	8.71	9.00	No

		4	2427	8.28	9.00	No
		5	2432	8.32	9.00	No
		6	2437	8.41	9.00	No
		7	2442	8.02	9.00	No
		8	2447	8.62	9.00	No
		9	2452	8.01	9.00	No
	802.11ax(HE20)	1	2412	8.25	9.00	No
		2	2417	8.80	9.00	No
		3	2422	8.43	9.00	No
		4	2427	8.10	9.00	No
		6	2437	8.78	9.00	No
		8	2447	8.07	9.00	No
		9	2452	8.19	9.00	No
		10	2457	8.63	9.00	No
		11	2462	8.65	9.00	No
	802.11ax(HE40)	3	2422	8.53	9.00	No
		4	2427	8.58	9.00	No
		5	2432	8.35	9.00	No
		6	2437	8.25	9.00	No
		7	2442	8.01	9.00	No
		8	2447	8.81	9.00	No
		9	2452	8.73	9.00	No

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

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

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

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

8.9.15 2.4G WIFI Ant. 0&12 Level5&6&12&13

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	11.69	12	Yes
		6	2437	11.38	12	Yes
		11	2462	11.34	12	Yes
	802.11g	1	2412	11.35	12	No
		2	2417	11.33	12	No
		3	2422	11.12	12	No
		6	2437	11.32	12	No
		8	2447	11.14	12	No
		9	2452	11.51	12	No
		10	2457	11.59	12	No
		11	2462	11.40	12	No
	802.11n(HT20)	1	2412	11.05	12	No
		2	2417	11.68	12	No
		3	2422	11.40	12	No
		4	2427	11.14	12	No
		6	2437	11.55	12	No
		8	2447	11.72	12	No
		9	2452	11.61	12	No
		10	2457	11.57	12	No
		11	2462	11.48	12	No
	802.11n(HT40)	3	2422	11.39	12	No
		4	2427	11.11	12	No
		5	2432	11.46	12	No
		6	2437	11.62	12	No
		7	2442	11.71	12	No
		8	2447	11.53	12	No
		9	2452	11.52	12	No
	802.11ac(VHT20)	1	2412	11.27	12	No
		2	2413	11.15	12	No
		3	2414	11.35	12	No
		6	2437	11.39	12	No
		8	2447	11.36	12	No
		9	2452	11.70	12	No
		10	2457	11.69	12	No
		11	2462	11.69	12	No

	802.11ac(VHT40)	3	2422	11.38	12	No
		4	2427	11.34	12	No
		5	2432	11.35	12	No
		6	2437	11.33	12	No
		7	2442	11.12	12	No
		8	2447	11.32	12	No
		9	2452	11.14	12	No
	802.11ax(HE20)	1	2412	11.51	12	No
		2	2417	11.59	12	No
		3	2422	11.40	12	No
		4	2427	11.05	12	No
		6	2437	11.68	12	No
		8	2447	11.40	12	No
		9	2452	11.14	12	No
		10	2457	11.55	12	No
		11	2462	11.72	12	No
	802.11ax(HE40)	3	2422	11.61	12	No
		4	2427	11.57	12	No
		5	2432	11.48	12	No
		6	2437	11.39	12	No
		7	2442	11.11	12	No
		8	2447	11.46	12	No
		9	2452	11.62	12	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.

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

8.9.16 2.4G WIFI Ant. 12 Level7&14

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	6.74	7.00	Yes
		6	2437	6.45	7.00	Yes
		11	2462	6.43	7.00	Yes
	802.11g	1	2412	6.27	7.10	No
		2	2417	6.74	7.10	No
		3	2422	6.50	7.10	No
		6	2437	6.38	7.10	No
		8	2447	6.42	7.10	No
		9	2452	6.14	7.10	No
		10	2457	6.49	7.10	No
		11	2462	6.46	7.10	No
	802.11n(HT20)	1	2412	6.49	7.00	No
		2	2417	6.70	7.00	No
		3	2422	6.19	7.00	No
		4	2427	5.98	7.00	No
		6	2437	6.29	7.00	No
		8	2447	6.09	7.00	No
		9	2452	6.64	7.00	No
		10	2457	6.58	7.00	No
		11	2462	6.17	7.00	No
	802.11n(HT40)	3	2422	6.52	7.00	No
		4	2427	6.25	7.00	No
		5	2432	6.15	7.00	No
		6	2437	6.25	7.00	No
		7	2442	6.80	7.00	No
		8	2447	6.61	7.00	No
		9	2452	6.85	7.00	No
	802.11ac(VHT20)	1	2412	6.41	7.00	No
		2	2413	6.47	7.00	No
		3	2414	6.34	7.00	No
		6	2437	6.55	7.00	No
		8	2447	5.98	7.00	No
		9	2452	6.63	7.00	No
		10	2457	6.39	7.00	No
		11	2462	6.05	7.00	No

	802.11ac(VHT40)	3	2422	6.23	7.00	No
		4	2427	6.43	7.00	No
		5	2432	6.11	7.00	No
		6	2437	6.50	7.00	No
		7	2442	6.06	7.00	No
		8	2447	6.26	7.00	No
		9	2452	5.97	7.00	No
	802.11ax(HE20)	1	2412	6.69	7.00	No
		2	2417	6.55	7.00	No
		3	2422	6.06	7.00	No
		4	2427	6.70	7.00	No
		6	2437	6.70	7.00	No
		8	2447	5.95	7.00	No
		9	2452	6.33	7.00	No
		10	2457	5.95	7.00	No
		11	2462	6.83	7.00	No
	802.11ax(HE40)	3	2422	6.50	7.00	No
		4	2427	6.54	7.00	No
		5	2432	6.63	7.00	No
		6	2437	6.48	7.00	No
		7	2442	6.76	7.00	No
		8	2447	6.00	7.00	No
		9	2452	6.54	7.00	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.

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

8.9.17 2.4G WIFI Ant. 0 Level7&14

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	5.58	7.00	Yes
		6	2437	5.76	7.00	Yes
		11	2462	5.62	7.00	Yes
	802.11g	1	2412	6.87	7.10	No
		2	2417	6.54	7.10	No
		3	2422	6.14	7.10	No
		6	2437	6.15	7.10	No
		8	2447	6.82	7.10	No
		9	2452	6.70	7.10	No
		10	2457	6.75	7.10	No
		11	2462	6.42	7.10	No
	802.11n(HT20)	1	2412	6.55	7.00	No
		2	2417	6.57	7.00	No
		3	2422	6.05	7.00	No
		4	2427	6.05	7.00	No
		6	2437	6.46	7.00	No
		8	2447	6.34	7.00	No
		9	2452	6.52	7.00	No
		10	2457	6.65	7.00	No
		11	2462	6.18	7.00	No
	802.11n(HT40)	3	2422	6.61	7.00	No
		4	2427	6.51	7.00	No
		5	2432	6.39	7.00	No
		6	2437	6.69	7.00	No
		7	2442	6.41	7.00	No
		8	2447	6.41	7.00	No
		9	2452	6.41	7.00	No
	802.11ac(VHT20)	1	2412	6.57	7.00	No
		2	2413	6.09	7.00	No
		3	2414	6.50	7.00	No
		6	2437	6.65	7.00	No
		8	2447	5.99	7.00	No
		9	2452	6.05	7.00	No
		10	2457	5.98	7.00	No
		11	2462	6.79	7.00	No

	802.11ac(VHT40)	3	2422	6.02	7.00	No
		4	2427	6.22	7.00	No
		5	2432	6.24	7.00	No
		6	2437	6.66	7.00	No
		7	2442	6.34	7.00	No
		8	2447	6.24	7.00	No
		9	2452	6.51	7.00	No
	802.11ax(HE20)	1	2412	6.82	7.00	No
		2	2417	6.30	7.00	No
		3	2422	6.57	7.00	No
		4	2427	6.27	7.00	No
		6	2437	6.35	7.00	No
		8	2447	6.37	7.00	No
		9	2452	6.83	7.00	No
		10	2457	6.59	7.00	No
		11	2462	6.39	7.00	No
	802.11ax(HE40)	3	2422	6.41	7.00	No
		4	2427	6.70	7.00	No
		5	2432	6.56	7.00	No
		6	2437	6.52	7.00	No
		7	2442	6.47	7.00	No
		8	2447	6.27	7.00	No
		9	2452	6.55	7.00	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.

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

8.9.18 2.4G WIFI Ant. 0&12 Level7&14

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	9.21	10	Yes
		6	2437	9.13	10	Yes
		11	2462	9.05	10	Yes
	802.11g	1	2412	9.59	10.1	No
		2	2417	9.65	10.1	No
		3	2422	9.33	10.1	No
		6	2437	9.28	10.1	No
		8	2447	9.63	10.1	No
		9	2452	9.44	10.1	No
		10	2457	9.63	10.1	No
		11	2462	9.45	10.1	No
	802.11n(HT20)	1	2412	9.53	10	No
		2	2417	9.65	10	No
		3	2422	9.13	10	No
		4	2427	9.03	10	No
		6	2437	9.39	10	No
		8	2447	9.23	10	No
		9	2452	9.59	10	No
		10	2457	9.63	10	No
		11	2462	9.19	10	No
	802.11n(HT40)	3	2422	9.58	10	No
		4	2427	9.39	10	No
		5	2432	9.28	10	No
		6	2437	9.49	10	No
		7	2442	9.62	10	No
		8	2447	9.52	10	No
		9	2452	9.65	10	No
	802.11ac(VHT20)	1	2412	9.50	10	No
		2	2413	9.29	10	No
		3	2414	9.43	10	No
		6	2437	9.61	10	No
		8	2447	9.00	10	No
		9	2452	9.36	10	No
		10	2457	9.20	10	No
		11	2462	9.45	10	No

	802.11ac(VHT40)	3	2422	9.14	10	No
		4	2427	9.34	10	No
		5	2432	9.19	10	No
		6	2437	9.59	10	No
		7	2442	9.21	10	No
		8	2447	9.26	10	No
		9	2452	9.26	10	No
	802.11ax(HE20)	1	2412	9.77	10	No
		2	2417	9.44	10	No
		3	2422	9.33	10	No
		4	2427	9.50	10	No
		6	2437	9.54	10	No
		8	2447	9.18	10	No
		9	2452	9.60	10	No
		10	2457	9.29	10	No
		11	2462	9.63	10	No
	802.11ax(HE40)	3	2422	9.47	10	No
		4	2427	9.63	10	No
		5	2432	9.61	10	No
		6	2437	9.51	10	No
		7	2442	9.63	10	No
		8	2447	9.15	10	No
		9	2452	9.56	10	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.

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

8.9.19 2.4G WIFI Ant. 12 Level11

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	10.83	11.00	Yes
		6	2437	10.42	11.00	Yes
		11	2462	10.36	11.00	Yes
	802.11g	1	2412	10.78	11.10	No
		2	2417	10.09	11.10	No
		3	2422	10.39	11.10	No
		6	2437	10.27	11.10	No
		8	2447	10.56	11.10	No
		9	2452	10.45	11.10	No
		10	2457	10.90	11.10	No
		11	2462	10.15	11.10	No
	802.11n(HT20)	1	2412	10.74	11.00	No
		2	2417	10.51	11.00	No
		3	2422	10.40	11.00	No
		4	2427	10.68	11.00	No
		6	2437	10.19	11.00	No
		8	2447	9.95	11.00	No
		9	2452	10.12	11.00	No
		10	2457	10.62	11.00	No
		11	2462	10.16	11.00	No
	802.11n(HT40)	3	2422	10.32	11.00	No
		4	2427	9.95	11.00	No
		5	2432	10.69	11.00	No
		6	2437	10.12	11.00	No
		7	2442	10.38	11.00	No
		8	2447	10.54	11.00	No
		9	2452	10.73	11.00	No
	802.11ac(VHT20)	1	2412	10.18	11.00	No
		2	2413	10.76	11.00	No
		3	2414	10.29	11.00	No
		6	2437	10.08	11.00	No
		8	2447	10.13	11.00	No
		9	2452	10.25	11.00	No
		10	2457	10.65	11.00	No
		11	2462	10.43	11.00	No
	802.11ac(VHT40)	3	2422	10.73	11.00	No

		4	2427	10.50	11.00	No
		5	2432	10.05	11.00	No
		6	2437	10.11	11.00	No
		7	2442	10.75	11.00	No
		8	2447	10.31	11.00	No
		9	2452	9.97	11.00	No
	802.11ax(HE20)	1	2412	9.95	11.00	No
		2	2417	10.52	11.00	No
		3	2422	10.31	11.00	No
		4	2427	10.11	11.00	No
		6	2437	10.17	11.00	No
		8	2447	10.45	11.00	No
		9	2452	10.71	11.00	No
		10	2457	10.48	11.00	No
		11	2462	9.95	11.00	No
	802.11ax(HE40)	3	2422	10.44	11.00	No
		4	2427	10.67	11.00	No
		5	2432	10.21	11.00	No
		6	2437	10.59	11.00	No
		7	2442	10.57	11.00	No
		8	2447	10.68	11.00	No
		9	2452	10.27	11.00	No

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

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

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

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

8.9.20 2.4G WIFI Ant. 0 Level11

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	9.76	11.00	Yes
		6	2437	9.89	11.00	Yes
		11	2462	9.73	11.00	Yes
	802.11g	1	2412	10.06	11.10	No
		2	2417	9.94	11.10	No
		3	2422	10.31	11.10	No
		6	2437	9.78	11.10	No
		8	2447	10.08	11.10	No
		9	2452	9.80	11.10	No
		10	2457	9.65	11.10	No
		11	2462	9.98	11.10	No
	802.11n(HT20)	1	2412	10.29	11.00	No
		2	2417	10.02	11.00	No
		3	2422	10.12	11.00	No
		4	2427	10.27	11.00	No
		6	2437	9.81	11.00	No
		8	2447	9.63	11.00	No
		9	2452	10.13	11.00	No
		10	2457	10.28	11.00	No
		11	2462	10.29	11.00	No
	802.11n(HT40)	3	2422	10.32	11.00	No
		4	2427	9.52	11.00	No
		5	2432	9.70	11.00	No
		6	2437	9.63	11.00	No
		7	2442	9.57	11.00	No
		8	2447	10.14	11.00	No
		9	2452	9.90	11.00	No
	802.11ac(VHT20)	1	2412	9.74	11.00	No
		2	2413	9.61	11.00	No
		3	2414	9.89	11.00	No
		6	2437	9.85	11.00	No
		8	2447	9.85	11.00	No
		9	2452	10.25	11.00	No
		10	2457	9.76	11.00	No
		11	2462	9.64	11.00	No

	802.11ac(VHT40)	3	2422	9.80	11.00	No
		4	2427	9.89	11.00	No
		5	2432	9.73	11.00	No
		6	2437	10.10	11.00	No
		7	2442	9.49	11.00	No
		8	2447	10.06	11.00	No
		9	2452	10.30	11.00	No
	802.11ax(HE20)	1	2412	10.00	11.00	No
		2	2417	10.31	11.00	No
		3	2422	10.08	11.00	No
		4	2427	9.87	11.00	No
		6	2437	9.86	11.00	No
		8	2447	10.01	11.00	No
		9	2452	9.75	11.00	No
		10	2457	10.16	11.00	No
		11	2462	9.79	11.00	No
	802.11ax(HE40)	3	2422	9.59	11.00	No
		4	2427	9.98	11.00	No
		5	2432	9.89	11.00	No
		6	2437	9.69	11.00	No
		7	2442	9.97	11.00	No
		8	2447	9.59	11.00	No
		9	2452	10.21	11.00	No

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

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

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

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

8.9.21 2.4G WIFI Ant. 0&12 Level11

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	13.34	14	Yes
		6	2437	13.17	14	Yes
		11	2462	13.07	14	Yes
	802.11g	1	2412	13.45	14.1	No
		2	2417	13.03	14.1	No
		3	2422	13.36	14.1	No
		6	2437	13.04	14.1	No
		8	2447	13.34	14.1	No
		9	2452	13.15	14.1	No
		10	2457	13.33	14.1	No
		11	2462	13.08	14.1	No
	802.11n(HT20)	1	2412	13.53	14	No
		2	2417	13.28	14	No
		3	2422	13.27	14	No
		4	2427	13.49	14	No
		6	2437	13.01	14	No
		8	2447	12.80	14	No
		9	2452	13.14	14	No
		10	2457	13.46	14	No
		11	2462	13.24	14	No
	802.11n(HT40)	3	2422	13.33	14	No
		4	2427	12.75	14	No
		5	2432	13.23	14	No
		6	2437	12.89	14	No
		7	2442	13.00	14	No
		8	2447	13.35	14	No
		9	2452	13.35	14	No
	802.11ac(VHT20)	1	2412	12.98	14	No
		2	2413	13.23	14	No
		3	2414	13.10	14	No
		6	2437	12.98	14	No
		8	2447	13.00	14	No
		9	2452	13.26	14	No
		10	2457	13.24	14	No
		11	2462	13.06	14	No

	802.11ac(VHT40)	3	2422	13.30	14	No
		4	2427	13.22	14	No
		5	2432	12.90	14	No
		6	2437	13.12	14	No
		7	2442	13.18	14	No
		8	2447	13.20	14	No
		9	2452	13.15	14	No
	802.11ax(HE20)	1	2412	12.99	14	No
		2	2417	13.43	14	No
		3	2422	13.21	14	No
		4	2427	13.00	14	No
		6	2437	13.03	14	No
		8	2447	13.25	14	No
		9	2452	13.27	14	No
		10	2457	13.33	14	No
		11	2462	12.88	14	No
	802.11ax(HE40)	3	2422	13.05	14	No
		4	2427	13.35	14	No
		5	2432	13.06	14	No
		6	2437	13.17	14	No
		7	2442	13.29	14	No
		8	2447	13.18	14	No
		9	2452	13.25	14	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.

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

8.9.22 5G WIFI Ant. 9 Full power

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	12.34	13.1	No
		44	5220	11.75	13.1	No
		48	5240	11.84	13.1	No
	802.11n(HT20)	36	5180	12.48	13.00	No
		44	5220	12.06	13.00	No
		48	5240	11.68	13.00	No
	802.11n(HT40)	38	5190	12.52	13.00	No
		46	5230	11.91	13.00	No
	802.11ac(VHT20)	36	5180	12.53	13.00	No
		44	5220	12.06	13.00	No
		48	5240	11.69	13.00	No
	802.11ac(VHT40)	38	5190	12.56	13.00	No
		46	5230	11.89	13.00	No
	802.11ac(VHT80)	42	5210	12.31	13.00	No
	802.11ac(VHT160)	50	5250	14.00	15.50	No
	802.11ax(HE20)	36	5180	12.56	13.00	No
		44	5220	12.08	13.00	No
		48	5240	11.93	13.00	No
	802.11ax(HE40)	38	5190	12.63	13.00	No
		46	5230	12.48	13.00	No
	802.11ax(HE80)	42	5210	12.34	13.00	No
	802.11ax(HE160)	50	5250	13.97	15.50	No
5.3 (5.25~5.35)	802.11a	52	5260	16.34	17.10	Yes
		60	5300	16.16	17.10	Yes
		64	5320	16.04	17.10	Yes
	802.11n(HT20)	52	5260	16.16	17.00	No
		60	5300	16.06	17.00	No
		64	5320	15.93	17.00	No
	802.11n(HT40)	54	5270	16.29	17.00	No
		62	5310	15.63	17.00	No
	802.11ac(VHT20)	52	5260	16.18	17.00	No
		60	5300	16.03	17.00	No
		64	5320	15.92	17.00	No
	802.11ac(VHT40)	54	5270	16.21	17.00	No
		62	5310	15.61	17.00	No
	802.11ac(VHT80)	58	5290	15.71	17.00	No

	802.11ax(HE20)	52	5260	16.32	17.00	No
		60	5300	16.18	17.00	No
		64	5320	16.09	17.00	No
	802.11ax(HE 40)	54	5270	16.49	17.00	No
		62	5310	15.91	17.00	No
	802.11ax(HE 80)	58	5290	15.91	17.00	No
5.6 (5.47~5.725)	802.11a	100	5500	15.35	17.10	Yes
		116	5580	16.06	17.10	Yes
		140	5700	15.80	17.10	Yes
	802.11n(HT20)	100	5500	14.99	16.50	No
		116	5580	15.87	17.00	No
		140	5700	15.28	17.00	No
	802.11n(HT40)	102	5510	14.40	16.00	No
		118	5590	16.05	17.00	No
		134	5670	16.31	17.00	No
	802.11ac(VHT20)	100	5500	15.15	17.00	No
		116	5580	15.89	17.00	No
		140	5700	15.38	17.00	No
	802.11ac(VHT40)	102	5510	14.42	16.00	No
		118	5590	16.10	17.00	No
		134	5670	16.30	17.00	No
	802.11ac(VHT80)	106	5530	13.31	15.00	No
		122	5610	16.07	17.00	No
	802.11ac(VHT160)	114	5570	13.03	15.00	No
	802.11ax(HE20)	100	5500	15.47	17.00	No
		116	5580	16.13	17.00	No
		140	5700	15.61	17.00	No
	802.11ax(HE40)	102	5510	13.28	15.00	No
		118	5590	16.48	17.00	No
		134	5670	16.55	17.00	No
	802.11ax(HE80)	106	5530	12.89	14.00	No
		122	5610	16.35	17.00	No
	802.11ax(HE160)	114	5570	13.24	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	18.91	20.10	No
		157	5785	18.72	20.10	No
		165	5825	18.83	20.10	No
	802.11n(HT20)	149	5745	18.68	20.00	No
		157	5785	18.60	20.00	No
		165	5825	18.72	20.00	No

	802.11n(HT40)	151	5755	18.45	19.50	No
		159	5795	18.21	19.50	No
	802.11ac(VHT20)	149	5745	18.90	20.00	No
		157	5785	18.66	20.00	No
		165	5825	18.73	20.00	No
	802.11ac(VHT40)	151	5755	18.34	19.50	No
		159	5795	18.21	19.50	No
	802.11ac(VHT80)	155	5775	17.72	19.00	No
	802.11ax(HE20)	149	5745	18.86	20.00	No
		157	5785	18.66	20.00	No
		165	5825	19.01	20.00	No
	802.11ax(HE40)	151	5755	18.77	19.50	No
		159	5795	18.50	19.50	No
	802.11ax(HE80)	155	5775	17.95	19.00	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.						

8.9.23 5G WIFI Ant. 13 Full power

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	12.13	13.1	No
		44	5220	11.54	13.1	No
		48	5240	11.73	13.1	No
	802.11n(HT20)	36	5180	12.02	13.00	No
		44	5220	11.62	13.00	No
		48	5240	11.30	13.00	No
	802.11n(HT40)	38	5190	12.02	13.00	No
		46	5230	11.48	13.00	No
	802.11ac(VHT20)	36	5180	12.00	13.00	No
		44	5220	11.45	13.00	No
		48	5240	11.54	13.00	No
	802.11ac(VHT40)	38	5190	12.03	13.00	No
		46	5230	11.84	13.00	No
	802.11ac(VHT80)	42	5210	12.04	13.00	No
	802.11ac(VHT160)	50	5250	16.04	17.00	No
	802.11ax(HE20)	36	5180	12.34	13.00	No
		44	5220	11.99	13.00	No
		48	5240	11.71	13.00	No
	802.11ax(HE40)	38	5190	12.36	13.00	No
		46	5230	12.18	13.00	No
	802.11ax(HE80)	42	5210	12.32	13.00	No
	802.11ax(HE80)	50	5250	16.06	17.00	No
5.3 (5.25~5.35)	802.11a	52	5260	16.77	17.10	Yes
		60	5300	16.52	17.10	Yes
		64	5320	16.40	17.10	Yes
	802.11n(HT20)	52	5260	16.60	17.00	No
		60	5300	16.31	17.00	No
		64	5320	16.22	17.00	No
	802.11n(HT40)	54	5270	16.65	17.00	No
		62	5310	16.32	17.00	No
	802.11ac(VHT20)	52	5260	16.53	17.00	No
		60	5300	16.29	17.00	No
		64	5320	16.19	17.00	No
	802.11ac(VHT40)	54	5270	16.58	17.00	No
		62	5310	16.36	17.00	No
	802.11ac(VHT80)	58	5290	16.50	17.00	No

	802.11ax(HE20)	52	5260	16.82	17.00	No
		60	5300	16.61	17.00	No
		64	5320	16.50	17.00	No
	802.11ax(HE 40)	54	5270	17.00	17.00	No
		62	5310	16.76	17.00	No
	802.11ax(HE 80)	58	5290	16.79	17.00	No
5.6 (5.47~5.725)	802.11a	100	5500	16.70	17.10	Yes
		116	5580	16.64	17.10	Yes
		140	5700	16.94	17.10	Yes
	802.11n(HT20)	100	5500	16.59	17.00	No
		116	5580	16.55	17.00	No
		140	5700	16.78	17.00	No
	802.11n(HT40)	102	5510	16.22	17.00	No
		118	5590	16.70	17.00	No
		134	5670	16.98	17.00	No
	802.11ac(VHT20)	100	5500	16.57	17.00	No
		116	5580	16.51	17.00	No
		140	5700	16.77	17.00	No
	802.11ac(VHT40)	102	5510	16.24	17.00	No
		118	5590	16.72	17.00	No
		134	5670	16.99	17.00	No
	802.11ac(VHT80)	106	5530	16.65	17.00	No
		122	5610	16.59	17.00	No
	802.11ac(VHT160)	114	5570	15.69	17.00	No
	802.11ax(HE20)	100	5500	16.82	17.00	No
		116	5580	16.71	17.00	No
		140	5700	16.92	17.00	No
	802.11ax(HE40)	102	5510	15.89	17.00	No
		118	5590	16.95	17.00	No
		134	5670	16.99	17.00	No
	802.11ax(HE80)	106	5530	16.41	17.00	No
		122	5610	16.88	17.00	No
	802.11ax(HE160)	114	5570	15.42	17.00	No
5.8 (5.725~5.850)	802.11a	149	5745	19.24	20.10	No
		157	5785	19.05	20.10	No
		165	5825	19.37	20.10	No
	802.11n(HT20)	149	5745	19.04	20.00	No
		157	5785	18.93	20.00	No
		165	5825	19.30	20.00	No

	802.11n(HT40)	151	5755	18.70	19.50	No
		159	5795	18.61	19.50	No
	802.11ac(VHT20)	149	5745	19.11	20.00	No
		157	5785	18.94	20.00	No
		165	5825	19.29	20.00	No
	802.11ac(VHT40)	151	5755	18.71	19.50	No
		159	5795	18.58	19.50	No
	802.11ac(VHT80)	155	5775	18.10	19.00	No
	802.11ax(HE20)	149	5745	19.27	20.00	No
		157	5785	19.13	20.00	No
		165	5825	19.45	20.00	No
	802.11ax(HE40)	151	5755	19.01	19.50	No
		159	5795	18.93	19.50	No
	802.11ax(HE80)	155	5775	18.48	19.00	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.						

8.9.24 5G WIFI Ant. 9&13 Full power

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	15.25	16.1	No
		44	5220	14.66	16.1	No
		48	5240	14.80	16.1	No
	802.11n(HT20)	36	5180	15.27	16.0	No
		44	5220	14.86	16.0	No
		48	5240	14.50	16.0	No
	802.11n(HT40)	38	5190	15.29	16.0	No
		46	5230	14.71	16.0	No
	802.11ac(VHT20)	36	5180	15.28	16.0	No
		44	5220	14.78	16.0	No
		48	5240	14.63	16.0	No
	802.11ac(VHT40)	38	5190	15.31	16.0	No
		46	5230	14.88	16.0	No
	802.11ac(VHT80)	42	5210	15.19	16.0	No
	802.11ac(VHT160)	50	5250	18.15	18.5	No
	802.11ax(HE20)	36	5180	15.46	16.0	No
		44	5220	15.05	16.0	No
		48	5240	14.83	16.0	No
	802.11ax(HE40)	38	5190	15.51	16.0	No
		46	5230	15.34	16.0	No
	802.11ax(HE80)	42	5210	15.34	16.0	No
	802.11ax(HE160)	50	5250	18.15	18.5	No
5.3 (5.25~5.35)	802.11a	52	5260	19.57	20.1	Yes
		60	5300	19.35	20.1	Yes
		64	5320	19.23	20.1	Yes
	802.11n(HT20)	52	5260	19.40	20.0	No
		60	5300	19.20	20.0	No
		64	5320	19.09	20.0	No
	802.11n(HT40)	54	5270	19.48	20.0	No
		62	5310	19.00	20.0	No
	802.11ac(VHT20)	52	5260	19.37	20.0	No
		60	5300	19.17	20.0	No
		64	5320	19.07	20.0	No
	802.11ac(VHT40)	54	5270	19.41	20.0	No
		62	5310	19.01	20.0	No
	802.11ac(VHT80)	58	5290	19.13	20.0	No

	802.11ax(HE20)	52	5260	19.59	20.0	No
		60	5300	19.41	20.0	No
		64	5320	19.31	20.0	No
	802.11ax(HE 40)	54	5270	19.76	20.0	No
		62	5310	19.37	20.0	No
	802.11ax(HE 80)	58	5290	19.38	20.0	No
5.6 (5.47~5.725)	802.11a	100	5500	19.09	20.1	Yes
		116	5580	19.37	20.1	Yes
		140	5700	19.42	20.1	Yes
	802.11n(HT20)	100	5500	18.87	19.5	No
		116	5580	19.23	20.0	No
		140	5700	19.10	20.0	No
	802.11n(HT40)	102	5510	18.41	19.0	No
		118	5590	19.40	20.0	No
		134	5670	19.67	20.0	No
	802.11ac(VHT20)	100	5500	18.93	20.0	No
		116	5580	19.22	20.0	No
		140	5700	19.14	20.0	No
	802.11ac(VHT40)	102	5510	18.43	19.0	No
		118	5590	19.43	20.0	No
		134	5670	19.67	20.0	No
	802.11ac(VHT80)	106	5530	18.30	20.0	No
		122	5610	19.35	20.0	No
	802.11ac(VHT160)	114	5570	17.57	18.0	No
	802.11ax(HE20)	100	5500	19.21	20.0	No
		116	5580	19.44	20.0	No
		140	5700	19.32	20.0	No
	802.11ax(HE40)	102	5510	17.79	18.0	No
		118	5590	19.73	20.0	No
		134	5670	19.79	20.0	No
	802.11ax(HE80)	106	5530	18.01	20.0	No
		122	5610	19.63	20.0	No
	802.11ax(HE160)	114	5570	17.48	18.0	No
5.8 (5.725~5.850)	802.11a	149	5745	22.09	23.1	No
		157	5785	21.90	23.1	No
		165	5825	22.12	23.1	No
	802.11n(HT20)	149	5745	21.87	23.0	No
		157	5785	21.78	23.0	No
		165	5825	22.03	23.0	No

	802.11n(HT40)	151	5755	21.59	22.5	No
		159	5795	21.42	22.5	No
	802.11ac(VHT20)	149	5745	22.02	23.0	No
		157	5785	21.81	23.0	No
		165	5825	22.03	23.0	No
	802.11ac(VHT40)	151	5755	21.54	22.5	No
		159	5795	21.41	22.5	No
	802.11ac(VHT80)	155	5775	20.92	22.0	No
	802.11ax(HE20)	149	5745	22.08	23.0	No
		157	5785	21.91	23.0	No
		165	5825	22.25	23.0	No
	802.11ax(HE40)	151	5755	21.90	22.5	No
		159	5795	21.73	22.5	No
	802.11ax(HE80)	155	5775	21.23	22.0	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.9.25 5G WIFI Ant. 9 Level1&9&10

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	12.34	13.10	No
		44	5220	11.75	13.10	No
		48	5240	11.84	13.10	No
	802.11n(HT20)	36	5180	12.48	13.00	No
		44	5220	12.06	13.00	No
		48	5240	11.68	13.00	No
	802.11n(HT40)	38	5190	12.52	13.00	No
		46	5230	11.91	13.00	No
	802.11ac(VHT20)	36	5180	12.53	13.00	No
		44	5220	12.06	13.00	No
		48	5240	11.69	13.00	No
	802.11ac(VHT40)	38	5190	12.56	13.00	No
		46	5230	11.89	13.00	No
	802.11ac(VHT80)	42	5210	12.31	13.00	No
	802.11ac(VHT160)	50	5250	14.00	15.00	No
	802.11ax(HE20)	36	5180	12.56	13.00	No
		44	5220	12.08	13.00	No
		48	5240	11.93	13.00	No
	802.11ax(HE40)	38	5190	12.63	13.00	No
		46	5230	12.48	13.00	No
	802.11ax(HE80)	42	5210	12.34	13.00	No
	802.11ax(HE160)	50	5250	13.97	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.53	15.1	Yes
		60	5300	14.32	15.1	Yes
		64	5320	14.33	15.1	Yes
	802.11n(HT20)	52	5260	14.37	15.00	No
		60	5300	14.52	15.00	No
		64	5320	13.82	15.00	No
	802.11n(HT40)	54	5270	14.16	15.00	No
		62	5310	14.31	15.00	No
	802.11ac(VHT20)	52	5260	14.19	15.00	No
		60	5300	14.52	15.00	No
		64	5320	14.09	15.00	No
	802.11ac(VHT40)	54	5270	14.18	15.00	No
		62	5310	14.13	15.00	No
	802.11ac(VHT80)	58	5290	14.35	15.00	No

	802.11ax(HE20)	52	5260	14.16	15.00	No
		60	5300	14.42	15.00	No
		64	5320	13.74	15.00	No
	802.11ax(HE 40)	54	5270	14.30	15.00	No
		62	5310	14.25	15.00	No
	802.11ax(HE 80)	58	5290	14.55	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.33	15.10	Yes
		116	5580	14.28	15.10	Yes
		140	5700	14.38	15.10	Yes
	802.11n(HT20)	100	5500	14.21	15.00	No
		116	5580	14.37	15.00	No
		140	5700	13.66	15.00	No
	802.11n(HT40)	102	5510	13.93	15.00	No
		118	5590	14.26	15.00	No
		134	5670	14.44	15.00	No
	802.11ac(VHT20)	100	5500	14.43	15.00	No
		116	5580	14.12	15.00	No
		140	5700	13.81	15.00	No
	802.11ac(VHT40)	102	5510	14.54	15.00	No
		118	5590	13.69	15.00	No
		134	5670	14.26	15.00	No
	802.11ac(VHT80)	106	5530	14.16	15.00	No
		122	5610	14.24	15.00	No
	802.11ac(VHT160)	114	5570	13.88	15.00	No
	802.11ax(HE20)	100	5500	13.69	15.00	No
		116	5580	14.22	15.00	No
		140	5700	13.83	15.00	No
	802.11ax(HE40)	102	5510	13.93	15.00	No
		118	5590	14.44	15.00	No
		134	5670	13.81	15.00	No
	802.11ax(HE80)	106	5530	14.54	15.00	No
		122	5610	13.69	15.00	No
	802.11ax(HE160)	114	5570	13.98	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	14.12	15.10	No
		157	5785	14.10	15.10	No
		165	5825	14.13	15.10	No
	802.11n(HT20)	149	5745	14.34	15.00	No
		157	5785	14.22	15.00	No
		165	5825	13.92	15.00	No

	802.11n(HT40)	151	5755	14.27	15.00	No
		159	5795	14.31	15.00	No
	802.11ac(VHT20)	149	5745	14.55	15.00	No
		157	5785	14.51	15.00	No
		165	5825	13.68	15.00	No
	802.11ac(VHT40)	151	5755	13.97	15.00	No
		159	5795	13.85	15.00	No
	802.11ac(VHT80)	155	5775	13.79	15.00	No
	802.11ax(HE20)	149	5745	14.54	15.00	No
		157	5785	14.47	15.00	No
		165	5825	14.06	15.00	No
	802.11ax(HE40)	151	5755	14.04	15.00	No
		159	5795	14.21	15.00	No
	802.11ax(HE80)	155	5775	14.54	15.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.9.26 5G WIFI Ant. 13 Level1&9&10

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	12.13	13.10	No
		44	5220	11.54	13.10	No
		48	5240	11.73	13.10	No
	802.11n(HT20)	36	5180	12.02	13.00	No
		44	5220	11.62	13.00	No
		48	5240	11.30	13.00	No
	802.11n(HT40)	38	5190	12.02	13.00	No
		46	5230	11.48	13.00	No
	802.11ac(VHT20)	36	5180	12.00	13.00	No
		44	5220	11.45	13.00	No
		48	5240	11.54	13.00	No
	802.11ac(VHT40)	38	5190	12.03	13.00	No
		46	5230	11.84	13.00	No
	802.11ac(VHT80)	42	5210	12.04	13.00	No
	802.11ac(VHT160)	50	5250	14.43	15.00	No
	802.11ax(HE20)	36	5180	12.34	13.00	No
		44	5220	11.99	13.00	No
		48	5240	11.71	13.00	No
	802.11ax(HE40)	38	5190	12.36	13.00	No
		46	5230	12.18	13.00	No
	802.11ax(HE80)	42	5210	12.32	13.00	No
	802.11ax(HE160)	50	5250	14.26	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.46	15.1	Yes
		60	5300	14.35	15.1	Yes
		64	5320	14.41	15.1	Yes
	802.11n(HT20)	52	5260	13.76	15.00	No
		60	5300	13.96	15.00	No
		64	5320	13.94	15.00	No
	802.11n(HT40)	54	5270	14.44	15.00	No
		62	5310	14.16	15.00	No
	802.11ac(VHT20)	52	5260	13.78	15.00	No
		60	5300	13.74	15.00	No
		64	5320	13.73	15.00	No
	802.11ac(VHT40)	54	5270	13.76	15.00	No
		62	5310	14.44	15.00	No
	802.11ac(VHT80)	58	5290	14.55	15.00	No

	802.11ax(HE20)	52	5260	13.79	15.00	No
		60	5300	14.05	15.00	No
		64	5320	13.70	15.00	No
	802.11ax(HE 40)	54	5270	13.90	15.00	No
		62	5310	14.14	15.00	No
	802.11ax(HE 80)	58	5290	14.24	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.64	15.10	Yes
		116	5580	14.68	15.10	Yes
		140	5700	14.70	15.10	Yes
	802.11n(HT20)	100	5500	14.24	15.00	No
		116	5580	13.68	15.00	No
		140	5700	14.38	15.00	No
	802.11n(HT40)	102	5510	13.78	15.00	No
		118	5590	14.42	15.00	No
		134	5670	14.55	15.00	No
	802.11ac(VHT20)	100	5500	14.45	15.00	No
		116	5580	14.23	15.00	No
		140	5700	14.10	15.00	No
	802.11ac(VHT40)	102	5510	14.11	15.00	No
		118	5590	14.13	15.00	No
		134	5670	14.32	15.00	No
	802.11ac(VHT80)	106	5530	14.56	15.00	No
		122	5610	14.62	15.00	No
	802.11ac(VHT160)	114	5570	13.89	15.00	No
	802.11ax(HE20)	100	5500	13.88	15.00	No
		116	5580	13.97	15.00	No
		140	5700	14.10	15.00	No
	802.11ax(HE40)	102	5510	14.51	15.00	No
		118	5590	14.35	15.00	No
		134	5670	14.51	15.00	No
	802.11ax(HE80)	106	5530	13.78	15.00	No
		122	5610	14.39	15.00	No
	802.11ax(HE160)	114	5570	14.07	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	14.33	15.10	No
		157	5785	14.28	15.10	No
		165	5825	14.36	15.10	No
	802.11n(HT20)	149	5745	14.49	15.00	No
		157	5785	14.10	15.00	No
		165	5825	13.83	15.00	No

	802.11n(HT40)	151	5755	13.83	15.00	No
		159	5795	14.44	15.00	No
	802.11ac(VHT20)	149	5745	13.84	15.00	No
		157	5785	13.83	15.00	No
		165	5825	14.20	15.00	No
	802.11ac(VHT40)	151	5755	14.26	15.00	No
		159	5795	13.73	15.00	No
	802.11ac(VHT80)	155	5775	14.20	15.00	No
	802.11ax(HE20)	149	5745	14.47	15.00	No
		157	5785	14.38	15.00	No
		165	5825	14.23	15.00	No
	802.11ax(HE40)	151	5755	13.84	15.00	No
		159	5795	14.25	15.00	No
	802.11ax(HE80)	155	5775	14.16	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.						

8.9.27 5G WIFI Ant. 9&13 Level1&9&10

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	15.25	16.1	No
		44	5220	14.66	16.1	No
		48	5240	14.80	16.1	No
	802.11n(HT20)	36	5180	15.27	16	No
		44	5220	14.86	16	No
		48	5240	14.50	16	No
	802.11n(HT40)	38	5190	15.29	16	No
		46	5230	14.71	16	No
	802.11ac(VHT20)	36	5180	15.28	16	No
		44	5220	14.78	16	No
		48	5240	14.63	16	No
	802.11ac(VHT40)	38	5190	15.31	16	No
		46	5230	14.88	16	No
	802.11ac(VHT80)	42	5210	15.19	16	No
	802.11ac(VHT160)	50	5250	17.23	18	No
	802.11ax(HE20)	36	5180	15.46	16	No
		44	5220	15.05	16	No
		48	5240	14.83	16	No
	802.11ax(HE40)	38	5190	15.51	16	No
		46	5230	15.34	16	No
	802.11ax(HE80)	42	5210	15.34	16	No
	802.11ax(HE160)	50	5250	17.13	18	No
5.3 (5.25~5.35)	802.11a	52	5260	17.51	18.1	Yes
		60	5300	17.35	18.1	Yes
		64	5320	17.38	18.1	Yes
	802.11n(HT20)	52	5260	17.09	18	No
		60	5300	17.26	18	No
		64	5320	16.89	18	No
	802.11n(HT40)	54	5270	17.31	18	No
		62	5310	17.25	18	No
	802.11ac(VHT20)	52	5260	17.00	18	No
		60	5300	17.16	18	No
		64	5320	16.92	18	No
	802.11ac(VHT40)	54	5270	16.99	18	No
		62	5310	17.30	18	No
	802.11ac(VHT80)	58	5290	17.46	18	No

	802.11ax(HE20)	52	5260	16.99	18	No
		60	5300	17.25	18	No
		64	5320	16.73	18	No
	802.11ax(HE 40)	54	5270	17.11	18	No
		62	5310	17.21	18	No
	802.11ax(HE 80)	58	5290	17.41	18	No
5.6 (5.47~5.725)	802.11a	100	5500	17.50	18.1	Yes
		116	5580	17.49	18.1	Yes
		140	5700	17.55	18.1	Yes
	802.11n(HT20)	100	5500	17.24	18	No
		116	5580	17.05	18	No
		140	5700	17.05	18	No
	802.11n(HT40)	102	5510	16.87	18	No
		118	5590	17.35	18	No
		134	5670	17.51	18	No
	802.11ac(VHT20)	100	5500	17.45	18	No
		116	5580	17.19	18	No
		140	5700	16.97	18	No
	802.11ac(VHT40)	102	5510	17.34	18	No
		118	5590	16.93	18	No
		134	5670	17.30	18	No
	802.11ac(VHT80)	106	5530	17.37	18	No
		122	5610	17.44	18	No
	802.11ac(VHT160)	114	5570	16.90	18	No
	802.11ax(HE20)	100	5500	16.80	18	No
		116	5580	17.11	18	No
		140	5700	16.98	18	No
	802.11ax(HE40)	102	5510	17.24	18	No
		118	5590	17.41	18	No
		134	5670	17.18	18	No
	802.11ax(HE80)	106	5530	17.19	18	No
		122	5610	17.06	18	No
	802.11ax(HE160)	114	5570	17.04	18	No
5.8 (5.725~5.850)	802.11a	149	5745	17.24	18.1	No
		157	5785	17.20	18.1	No
		165	5825	17.26	18.1	No
	802.11n(HT20)	149	5745	17.43	18	No
		157	5785	17.17	18	No
		165	5825	16.89	18	No

	802.11n(HT40)	151	5755	17.07	18	No
		159	5795	17.39	18	No
	802.11ac(VHT20)	149	5745	17.22	18	No
		157	5785	17.19	18	No
		165	5825	16.96	18	No
	802.11ac(VHT40)	151	5755	17.13	18	No
		159	5795	16.80	18	No
	802.11ac(VHT80)	155	5775	17.01	18	No
	802.11ax(HE20)	149	5745	17.52	18	No
		157	5785	17.44	18	No
		165	5825	17.16	18	No
	802.11ax(HE40)	151	5755	16.95	18	No
		159	5795	17.24	18	No
	802.11ax(HE80)	155	5775	17.36	18	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.9.28 5G WIFI Ant. 9 Level2&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	12.34	13.10	No
		44	5220	11.75	13.10	No
		48	5240	11.84	13.10	No
	802.11n(HT20)	36	5180	12.48	13.00	No
		44	5220	12.06	13.00	No
		48	5240	11.68	13.00	No
	802.11n(HT40)	38	5190	12.52	13.00	No
		46	5230	11.91	13.00	No
	802.11ac(VHT20)	36	5180	12.53	13.00	No
		44	5220	12.06	13.00	No
		48	5240	11.69	13.00	No
	802.11ac(VHT40)	38	5190	12.56	13.00	No
		46	5230	11.89	13.00	No
	802.11ac(VHT80)	42	5210	12.31	13.00	No
	802.11ac(VHT160)	50	5250	12.28	13.00	No
	802.11ax(HE20)	36	5180	12.56	13.00	No
		44	5220	12.08	13.00	No
		48	5240	11.93	13.00	No
	802.11ax(HE40)	38	5190	12.63	13.00	No
		46	5230	12.48	13.00	No
	802.11ax(HE80)	42	5210	12.34	13.00	No
	802.11ax(HE160)	50	5250	11.93	13.00	No
5.3 (5.25~5.35)	802.11a	52	5260	12.51	13.1	Yes
		60	5300	12.47	13.1	Yes
		64	5320	12.36	13.1	Yes
	802.11n(HT20)	52	5260	12.36	13.00	No
		60	5300	12.39	13.00	No
		64	5320	11.94	13.00	No
	802.11n(HT40)	54	5270	12.15	13.00	No
		62	5310	12.02	13.00	No
	802.11ac(VHT20)	52	5260	12.11	13.00	No
		60	5300	12.29	13.00	No
		64	5320	12.27	13.00	No
	802.11ac(VHT40)	54	5270	11.87	13.00	No
		62	5310	12.11	13.00	No
	802.11ac(VHT80)	58	5290	12.70	13.00	No

	802.11ax(HE20)	52	5260	11.97	13.00	No
		60	5300	11.85	13.00	No
		64	5320	12.44	13.00	No
	802.11ax(HE 40)	54	5270	12.02	13.00	No
		62	5310	12.53	13.00	No
	802.11ax(HE 80)	58	5290	12.18	13.00	No
5.6 (5.47~5.725)	802.11a	100	5500	12.28	13.10	Yes
		116	5580	12.31	13.10	Yes
		140	5700	12.35	13.10	Yes
	802.11n(HT20)	100	5500	12.16	13.00	No
		116	5580	12.57	13.00	No
		140	5700	12.33	13.00	No
	802.11n(HT40)	102	5510	12.13	13.00	No
		118	5590	11.90	13.00	No
		134	5670	12.33	13.00	No
	802.11ac(VHT20)	100	5500	12.70	13.00	No
		116	5580	12.34	13.00	No
		140	5700	12.67	13.00	No
	802.11ac(VHT40)	102	5510	11.97	13.00	No
		118	5590	12.31	13.00	No
		134	5670	12.12	13.00	No
	802.11ac(VHT80)	106	5530	12.17	13.00	No
		122	5610	11.89	13.00	No
	802.11ac(VHT160)	114	5570	12.26	13.00	No
	802.11ax(HE20)	100	5500	12.15	13.00	No
		116	5580	12.14	13.00	No
		140	5700	12.04	13.00	No
	802.11ax(HE40)	102	5510	12.74	13.00	No
		118	5590	12.29	13.00	No
		134	5670	12.62	13.00	No
	802.11ax(HE80)	106	5530	12.01	13.00	No
		122	5610	12.02	13.00	No
	802.11ax(HE160)	114	5570	12.45	13.00	No
5.8 (5.725~5.850)	802.11a	149	5745	12.01	13.10	No
		157	5785	12.06	13.10	No
		165	5825	12.11	13.10	No
	802.11n(HT20)	149	5745	12.07	13.00	No
		157	5785	11.93	13.00	No
		165	5825	12.21	13.00	No

	802.11n(HT40)	151	5755	12.32	13.00	No
		159	5795	12.27	13.00	No
	802.11ac(VHT20)	149	5745	12.65	13.00	No
		157	5785	12.53	13.00	No
		165	5825	12.62	13.00	No
	802.11ac(VHT40)	151	5755	12.33	13.00	No
		159	5795	12.05	13.00	No
	802.11ac(VHT80)	155	5775	12.58	13.00	No
	802.11ax(HE20)	149	5745	12.16	13.00	No
		157	5785	12.64	13.00	No
		165	5825	11.92	13.00	No
	802.11ax(HE40)	151	5755	12.17	13.00	No
		159	5795	12.59	13.00	No
	802.11ax(HE80)	155	5775	12.53	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.						

8.9.29 5G WIFI Ant. 13 Level2&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	12.13	13.10	No
		44	5220	11.54	13.10	No
		48	5240	11.73	13.10	No
	802.11n(HT20)	36	5180	12.02	13.00	No
		44	5220	11.62	13.00	No
		48	5240	11.30	13.00	No
	802.11n(HT40)	38	5190	12.02	13.00	No
		46	5230	11.48	13.00	No
	802.11ac(VHT20)	36	5180	12.00	13.00	No
		44	5220	11.45	13.00	No
		48	5240	11.54	13.00	No
	802.11ac(VHT40)	38	5190	12.03	13.00	No
		46	5230	11.84	13.00	No
	802.11ac(VHT80)	42	5210	12.04	13.00	No
	802.11ac(VHT160)	50	5250	12.05	13.00	No
	802.11ax(HE20)	36	5180	12.34	13.00	No
		44	5220	11.99	13.00	No
		48	5240	11.71	13.00	No
	802.11ax(HE40)	38	5190	12.36	13.00	No
		46	5230	12.18	13.00	No
	802.11ax(HE80)	42	5210	12.32	13.00	No
	802.11ax(HE160)	50	5250	11.86	13.00	No
5.3 (5.25~5.35)	802.11a	52	5260	12.45	13.1	Yes
		60	5300	12.07	13.1	Yes
		64	5320	12.36	13.1	Yes
	802.11n(HT20)	52	5260	12.38	13.00	No
		60	5300	12.48	13.00	No
		64	5320	12.62	13.00	No
	802.11n(HT40)	54	5270	12.04	13.00	No
		62	5310	12.29	13.00	No
	802.11ac(VHT20)	52	5260	12.14	13.00	No
		60	5300	12.19	13.00	No
		64	5320	12.09	13.00	No
	802.11ac(VHT40)	54	5270	12.75	13.00	No
		62	5310	12.25	13.00	No
	802.11ac(VHT80)	58	5290	12.74	13.00	No

	802.11ax(HE20)	52	5260	12.64	13.00	No
		60	5300	12.22	13.00	No
		64	5320	11.91	13.00	No
	802.11ax(HE 40)	54	5270	12.39	13.00	No
		62	5310	12.59	13.00	No
	802.11ax(HE 80)	58	5290	12.05	13.00	No
5.6 (5.47~5.725)	802.11a	100	5500	12.34	13.10	Yes
		116	5580	12.35	13.10	Yes
		140	5700	12.65	13.10	Yes
	802.11n(HT20)	100	5500	12.62	13.00	No
		116	5580	12.14	13.00	No
		140	5700	12.60	13.00	No
	802.11n(HT40)	102	5510	12.22	13.00	No
		118	5590	12.43	13.00	No
		134	5670	11.92	13.00	No
	802.11ac(VHT20)	100	5500	12.48	13.00	No
		116	5580	12.19	13.00	No
		140	5700	11.85	13.00	No
	802.11ac(VHT40)	102	5510	11.85	13.00	No
		118	5590	12.17	13.00	No
		134	5670	12.63	13.00	No
	802.11ac(VHT80)	106	5530	12.61	13.00	No
		122	5610	12.13	13.00	No
	802.11ac(VHT160)	114	5570	12.09	13.00	No
	802.11ax(HE20)	100	5500	12.17	13.00	No
		116	5580	11.86	13.00	No
		140	5700	12.37	13.00	No
	802.11ax(HE40)	102	5510	11.93	13.00	No
		118	5590	12.09	13.00	No
		134	5670	12.27	13.00	No
	802.11ax(HE80)	106	5530	12.53	13.00	No
		122	5610	12.68	13.00	No
	802.11ax(HE160)	114	5570	11.91	13.00	No
5.8 (5.725~5.850)	802.11a	149	5745	12.29	13.10	No
		157	5785	12.11	13.10	No
		165	5825	12.35	13.10	No
	802.11n(HT20)	149	5745	12.02	13.00	No
		157	5785	12.30	13.00	No
		165	5825	12.09	13.00	No

	802.11n(HT40)	151	5755	12.62	13.00	No
		159	5795	11.97	13.00	No
	802.11ac(VHT20)	149	5745	12.31	13.00	No
		157	5785	12.46	13.00	No
		165	5825	12.17	13.00	No
	802.11ac(VHT40)	151	5755	12.28	13.00	No
		159	5795	12.60	13.00	No
	802.11ac(VHT80)	155	5775	12.37	13.00	No
	802.11ax(HE20)	149	5745	12.24	13.00	No
		157	5785	12.07	13.00	No
		165	5825	12.66	13.00	No
	802.11ax(HE40)	151	5755	12.44	13.00	No
		159	5795	12.32	13.00	No
	802.11ax(HE80)	155	5775	11.92	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.						

8.9.30 5G WIFI Ant. 9&13 Level2&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	15.25	16.1	No
		44	5220	14.66	16.1	No
		48	5240	14.80	16.1	No
	802.11n(HT20)	36	5180	15.27	16	No
		44	5220	14.86	16	No
		48	5240	14.50	16	No
	802.11n(HT40)	38	5190	15.29	16	No
		46	5230	14.71	16	No
	802.11ac(VHT20)	36	5180	15.28	16	No
		44	5220	14.78	16	No
		48	5240	14.63	16	No
	802.11ac(VHT40)	38	5190	15.31	16	No
		46	5230	14.88	16	No
	802.11ac(VHT80)	42	5210	15.19	16	No
	802.11ac(VHT160)	50	5250	15.18	16	No
	802.11ax(HE20)	36	5180	15.46	16	No
		44	5220	15.05	16	No
		48	5240	14.83	16	No
	802.11ax(HE40)	38	5190	15.51	16	No
		46	5230	15.34	16	No
	802.11ax(HE80)	42	5210	15.34	16	No
	802.11ax(HE160)	50	5250	14.91	16	No
5.3 (5.25~5.35)	802.11a	52	5260	15.49	16.1	Yes
		60	5300	15.28	16.1	Yes
		64	5320	15.37	16.1	Yes
	802.11n(HT20)	52	5260	15.38	16	No
		60	5300	15.45	16	No
		64	5320	15.30	16	No
	802.11n(HT40)	54	5270	15.11	16	No
		62	5310	15.17	16	No
	802.11ac(VHT20)	52	5260	15.14	16	No
		60	5300	15.25	16	No
		64	5320	15.19	16	No
	802.11ac(VHT40)	54	5270	15.34	16	No
		62	5310	15.19	16	No
	802.11ac(VHT80)	58	5290	15.73	16	No

	802.11ax(HE20)	52	5260	15.33	16	No
		60	5300	15.05	16	No
		64	5320	15.19	16	No
	802.11ax(HE 40)	54	5270	15.22	16	No
		62	5310	15.57	16	No
	802.11ax(HE 80)	58	5290	15.13	16	No
5.6 (5.47~5.725)	802.11a	100	5500	15.32	16.1	Yes
		116	5580	15.34	16.1	Yes
		140	5700	15.51	16.1	Yes
	802.11n(HT20)	100	5500	15.41	16	No
		116	5580	15.37	16	No
		140	5700	15.48	16	No
	802.11n(HT40)	102	5510	15.19	16	No
		118	5590	15.18	16	No
		134	5670	15.14	16	No
	802.11ac(VHT20)	100	5500	15.60	16	No
		116	5580	15.28	16	No
		140	5700	15.29	16	No
	802.11ac(VHT40)	102	5510	14.92	16	No
		118	5590	15.25	16	No
		134	5670	15.39	16	No
	802.11ac(VHT80)	106	5530	15.41	16	No
		122	5690	15.02	16	No
	802.11ac(VHT160)	114	5570	15.19	16	No
	802.11ax(HE20)	100	5500	15.17	16	No
		116	5580	15.01	16	No
		140	5700	15.22	16	No
	802.11ax(HE40)	102	5510	15.36	16	No
		118	5590	15.20	16	No
		134	5670	15.46	16	No
	802.11ax(HE80)	106	5530	15.29	16	No
		122	5690	15.37	16	No
	802.11ax(HE160)	114	5570	15.20	16	No
5.8 (5.725~5.850)	802.11a	149	5745	15.16	16.1	No
		157	5785	15.10	16.1	No
		165	5825	15.24	16.1	No
	802.11n(HT20)	149	5745	15.06	16	No
		157	5785	15.13	16	No
		165	5825	15.16	16	No

	802.11n(HT40)	151	5755	15.48	16	No
		159	5795	15.13	16	No
	802.11ac(VHT20)	149	5745	15.49	16	No
		157	5785	15.51	16	No
		165	5825	15.41	16	No
	802.11ac(VHT40)	151	5755	15.32	16	No
		159	5795	15.34	16	No
	802.11ac(VHT80)	155	5775	15.49	16	No
	802.11ax(HE20)	149	5745	15.21	16	No
		157	5785	15.37	16	No
		165	5825	15.32	16	No
	802.11ax(HE40)	151	5755	15.32	16	No
		159	5795	15.47	16	No
	802.11ax(HE80)	155	5775	15.25	16	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.9.31 5G WIFI Ant. 9 Level3&4&12&13

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	11.57	12.10	No
		44	5220	11.38	12.10	No
		48	5240	10.99	12.10	No
	802.11n(HT20)	36	5180	11.47	12.00	No
		44	5220	11.25	12.00	No
		48	5240	11.51	12.00	No
	802.11n(HT40)	38	5190	11.50	12.00	No
		46	5230	10.96	12.00	No
	802.11ac(VHT20)	36	5180	11.49	12.00	No
		44	5220	11.33	12.00	No
		48	5240	10.99	12.00	No
	802.11ac(VHT40)	38	5190	11.36	12.00	No
		46	5230	11.55	12.00	No
	802.11ac(VHT80)	42	5210	11.45	12.00	No
	802.11ac(VHT160)	50	5250	11.49	12.00	No
	802.11ax(HE20)	36	5180	10.99	12.00	No
		44	5220	11.04	12.00	No
		48	5240	11.65	12.00	No
	802.11ax(HE40)	38	5190	11.59	12.00	No
		46	5230	10.96	12.00	No
	802.11ax(HE80)	42	5210	10.99	12.00	No
	802.11ax(HE160)	50	5250	11.44	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	11.52	12.10	Yes
		60	5300	11.25	12.10	Yes
		64	5320	11.07	12.10	Yes
	802.11n(HT20)	52	5260	11.29	12.00	No
		60	5300	11.62	12.00	No
		64	5320	11.26	12.00	No
	802.11n(HT40)	54	5270	10.87	12.00	No
		62	5310	11.17	12.00	No
	802.11ac(VHT20)	52	5260	11.26	12.00	No
		60	5300	10.87	12.00	No
		64	5320	11.49	12.00	No
	802.11ac(VHT40)	54	5270	11.50	12.00	No
		62	5310	11.72	12.00	No
	802.11ac(VHT80)	58	5290	11.31	12.00	No

	802.11ax(HE20)	52	5260	11.23	12.00	No
		60	5300	11.51	12.00	No
		64	5320	11.35	12.00	No
	802.11ax(HE 40)	54	5270	11.06	12.00	No
		62	5310	11.34	12.00	No
	802.11ax(HE 80)	58	5290	11.61	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	11.01	12.10	Yes
		116	5580	10.90	12.10	Yes
		140	5700	11.31	12.10	Yes
	802.11n(HT20)	100	5500	11.31	12.00	No
		116	5580	11.67	12.00	No
		140	5700	11.50	12.00	No
	802.11n(HT40)	102	5510	11.01	12.00	No
		118	5590	11.33	12.00	No
		134	5670	11.34	12.00	No
	802.11ac(VHT20)	100	5500	10.90	12.00	No
		116	5580	11.73	12.00	No
		140	5700	11.03	12.00	No
	802.11ac(VHT40)	102	5510	11.66	12.00	No
		118	5590	11.68	12.00	No
		134	5670	11.54	12.00	No
	802.11ac(VHT80)	106	5530	11.03	12.00	No
		122	5690	11.13	12.00	No
	802.11ac(VHT160)	114	5570	11.19	12.00	No
	802.11ax(HE20)	100	5500	11.40	12.00	No
		116	5580	10.91	12.00	No
		140	5700	10.94	12.00	No
	802.11ax(HE40)	102	5510	11.22	12.00	No
		118	5590	11.04	12.00	No
		134	5670	11.08	12.00	No
	802.11ax(HE80)	106	5530	11.68	12.00	No
		122	5690	11.46	12.00	No
	802.11ax(HE160)	114	5570	11.67	12.00	No
5.8 (5.725~5.850)	802.11a	149	5745	11.79	12.10	No
		157	5785	12.04	12.10	No
		165	5825	12.11	12.10	No
	802.11n(HT20)	149	5745	11.63	12.00	No
		157	5785	11.10	12.00	No
		165	5825	10.92	12.00	No

	802.11n(HT40)	151	5755	11.57	12.00	No
		159	5795	11.73	12.00	No
	802.11ac(VHT20)	149	5745	11.38	12.00	No
		157	5785	11.21	12.00	No
		165	5825	11.56	12.00	No
	802.11ac(VHT40)	151	5755	11.40	12.00	No
		159	5795	11.65	12.00	No
	802.11ac(VHT80)	155	5775	10.98	12.00	No
	802.11ax(HE20)	149	5745	11.71	12.00	No
		157	5785	11.64	12.00	No
		165	5825	10.87	12.00	No
	802.11ax(HE40)	151	5755	11.41	12.00	No
		159	5795	11.07	12.00	No
	802.11ax(HE80)	155	5775	11.65	12.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.9.32 5G WIFI Ant. 13 Level3&4&12&13

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	11.70	12.10	No
		44	5220	11.78	12.10	No
		48	5240	11.63	12.10	No
	802.11n(HT20)	36	5180	11.44	12.00	No
		44	5220	11.07	12.00	No
		48	5240	11.39	12.00	No
	802.11n(HT40)	38	5190	11.55	12.00	No
		46	5230	11.13	12.00	No
	802.11ac(VHT20)	36	5180	11.02	12.00	No
		44	5220	11.45	12.00	No
		48	5240	11.46	12.00	No
	802.11ac(VHT40)	38	5190	11.44	12.00	No
		46	5230	11.16	12.00	No
	802.11ac(VHT80)	42	5210	11.73	12.00	No
	802.11ac(VHT160)	50	5250	11.21	12.00	No
	802.11ax(HE20)	36	5180	11.00	12.00	No
		44	5220	11.64	12.00	No
		48	5240	11.00	12.00	No
	802.11ax(HE40)	38	5190	11.75	12.00	No
		46	5230	11.20	12.00	No
	802.11ax(HE80)	42	5210	11.58	12.00	No
	802.11ax(HE160)	50	5250	11.47	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	11.43	12.10	Yes
		60	5300	11.41	12.10	Yes
		64	5320	10.97	12.10	Yes
	802.11n(HT20)	52	5260	11.17	12.00	No
		60	5300	10.96	12.00	No
		64	5320	11.10	12.00	No
	802.11n(HT40)	54	5270	11.21	12.00	No
		62	5310	11.47	12.00	No
	802.11ac(VHT20)	52	5260	11.10	12.00	No
		60	5300	10.97	12.00	No
		64	5320	11.09	12.00	No
	802.11ac(VHT40)	54	5270	11.08	12.00	No
		62	5310	11.47	12.00	No
	802.11ac(VHT80)	58	5290	11.67	12.00	No

	802.11ax(HE20)	52	5260	11.03	12.00	No
		60	5300	11.11	12.00	No
		64	5320	10.99	12.00	No
	802.11ax(HE 40)	54	5270	11.61	12.00	No
		62	5310	10.96	12.00	No
	802.11ax(HE 80)	58	5290	10.95	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	11.37	12.10	Yes
		116	5580	11.58	12.10	Yes
		140	5700	11.67	12.10	Yes
	802.11n(HT20)	100	5500	11.11	12.00	No
		116	5580	11.53	12.00	No
		140	5700	11.23	12.00	No
	802.11n(HT40)	102	5510	11.12	12.00	No
		118	5590	11.02	12.00	No
		134	5670	11.75	12.00	No
	802.11ac(VHT20)	100	5500	11.10	12.00	No
		116	5580	11.25	12.00	No
		140	5700	11.56	12.00	No
	802.11ac(VHT40)	102	5510	11.33	12.00	No
		118	5590	10.89	12.00	No
		134	5670	11.11	12.00	No
	802.11ac(VHT80)	106	5530	11.30	12.00	No
		122	5690	11.33	12.00	No
	802.11ac(VHT160)	114	5570	11.75	12.00	No
	802.11ax(HE20)	100	5500	11.06	12.00	No
		116	5580	11.31	12.00	No
		140	5700	11.20	12.00	No
	802.11ax(HE40)	102	5510	11.02	12.00	No
		118	5590	11.42	12.00	No
		134	5670	11.42	12.00	No
	802.11ax(HE80)	106	5530	10.86	12.00	No
		122	5690	11.53	12.00	No
	802.11ax(HE160)	114	5570	11.26	12.00	No
5.8 (5.725~5.850)	802.11a	149	5745	12.22	12.10	No
		157	5785	12.16	12.10	No
		165	5825	12.35	12.10	No
	802.11n(HT20)	149	5745	11.00	12.00	No
		157	5785	11.24	12.00	No
		165	5825	11.17	12.00	No

	802.11n(HT40)	151	5755	11.27	12.00	No
		159	5795	11.16	12.00	No
	802.11ac(VHT20)	149	5745	11.41	12.00	No
		157	5785	11.74	12.00	No
		165	5825	11.34	12.00	No
	802.11ac(VHT40)	151	5755	10.86	12.00	No
		159	5795	10.95	12.00	No
	802.11ac(VHT80)	155	5775	11.09	12.00	No
	802.11ax(HE20)	149	5745	11.45	12.00	No
		157	5785	11.14	12.00	No
		165	5825	11.07	12.00	No
	802.11ax(HE40)	151	5755	11.13	12.00	No
		159	5795	11.47	12.00	No
	802.11ax(HE80)	155	5775	10.97	12.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.9.33 5G WIFI Ant. 9&13 Level3&4&12&13

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	14.65	15.1	No
		44	5220	14.59	15.1	No
		48	5240	14.33	15.1	No
	802.11n(HT20)	36	5180	14.47	15	No
		44	5220	14.17	15	No
		48	5240	14.46	15	No
	802.11n(HT40)	38	5190	14.54	15	No
		46	5230	14.06	15	No
	802.11ac(VHT20)	36	5180	14.27	15	No
		44	5220	14.40	15	No
		48	5240	14.24	15	No
	802.11ac(VHT40)	38	5190	14.41	15	No
		46	5230	14.37	15	No
	802.11ac(VHT80)	42	5210	14.60	15	No
	802.11ac(VHT160)	50	5250	14.36	15	No
	802.11ax(HE20)	36	5180	14.01	15	No
		44	5220	14.36	15	No
		48	5240	14.35	15	No
	802.11ax(HE40)	38	5190	14.68	15	No
		46	5230	14.09	15	No
	802.11ax(HE80)	42	5210	14.31	15	No
	802.11ax(HE160)	50	5250	14.47	15	No
5.3 (5.25~5.35)	802.11a	52	5260	14.49	15.1	Yes
		60	5300	14.34	15.1	Yes
		64	5320	14.03	15.1	Yes
	802.11n(HT20)	52	5260	14.24	15	No
		60	5300	14.31	15	No
		64	5320	14.19	15	No
	802.11n(HT40)	54	5270	14.05	15	No
		62	5310	14.33	15	No
	802.11ac(VHT20)	52	5260	14.19	15	No
		60	5300	13.93	15	No
		64	5320	14.30	15	No
	802.11ac(VHT40)	54	5270	14.31	15	No
		62	5310	14.61	15	No
	802.11ac(VHT80)	58	5290	14.50	15	No

	802.11ax(HE20)	52	5260	14.14	15	No
		60	5300	14.32	15	No
		64	5320	14.18	15	No
	802.11ax(HE 40)	54	5270	14.35	15	No
		62	5310	14.16	15	No
	802.11ax(HE 80)	58	5290	14.30	15	No
5.6 (5.47~5.725)	802.11a	100	5500	14.20	15.1	Yes
		116	5580	14.26	15.1	Yes
		140	5700	14.50	15.1	Yes
	802.11n(HT20)	100	5500	14.22	15	No
		116	5580	14.61	15	No
		140	5700	14.38	15	No
	802.11n(HT40)	102	5510	14.08	15	No
		118	5590	14.19	15	No
		134	5670	14.56	15	No
	802.11ac(VHT20)	100	5500	14.01	15	No
		116	5580	14.51	15	No
		140	5700	14.31	15	No
	802.11ac(VHT40)	102	5510	14.51	15	No
		118	5590	14.31	15	No
		134	5670	14.34	15	No
	802.11ac(VHT80)	106	5530	14.18	15	No
		122	5690	14.24	15	No
	802.11ac(VHT160)	114	5570	14.49	15	No
	802.11ax(HE20)	100	5500	14.24	15	No
		116	5580	14.12	15	No
		140	5700	14.08	15	No
	802.11ax(HE40)	102	5510	14.13	15	No
		118	5590	14.24	15	No
		134	5670	14.26	15	No
	802.11ax(HE80)	106	5530	14.30	15	No
		122	5690	14.51	15	No
	802.11ax(HE160)	114	5570	14.48	15	No
5.8 (5.725~5.850)	802.11a	149	5745	15.02	15.1	No
		157	5785	15.11	15.1	No
		165	5825	15.24	15.1	No
	802.11n(HT20)	149	5745	14.34	15	No
		157	5785	14.18	15	No
		165	5825	14.06	15	No

	802.11n(HT40)	151	5755	14.43	15	No
		159	5795	14.46	15	No
	802.11ac(VHT20)	149	5745	14.41	15	No
		157	5785	14.49	15	No
		165	5825	14.46	15	No
	802.11ac(VHT40)	151	5755	14.15	15	No
		159	5795	14.32	15	No
	802.11ac(VHT80)	155	5775	14.05	15	No
	802.11ax(HE20)	149	5745	14.59	15	No
		157	5785	14.41	15	No
		165	5825	13.98	15	No
	802.11ax(HE40)	151	5755	14.28	15	No
		159	5795	14.28	15	No
	802.11ax(HE80)	155	5775	14.33	15	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.						

8.9.34 5G WIFI Ant. 9 Level5

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	10.25	11.10	No
		44	5220	10.28	11.10	No
		48	5240	10.77	11.10	No
	802.11n(HT20)	36	5180	10.11	11.00	No
		44	5220	9.99	11.00	No
		48	5240	10.11	11.00	No
	802.11n(HT40)	38	5190	10.39	11.00	No
		46	5230	10.40	11.00	No
	802.11ac(VHT20)	36	5180	10.57	11.00	No
		44	5220	10.39	11.00	No
		48	5240	10.56	11.00	No
	802.11ac(VHT40)	38	5190	9.90	11.00	No
		46	5230	10.24	11.00	No
	802.11ac(VHT80)	42	5210	10.19	11.00	No
	802.11ac(VHT160)	50	5250	9.90	11.00	No
	802.11ax(HE20)	36	5180	10.66	11.00	No
		44	5220	10.55	11.00	No
		48	5240	10.53	11.00	No
	802.11ax(HE40)	38	5190	10.16	11.00	No
		46	5230	10.37	11.00	No
	802.11ax(HE80)	42	5210	9.85	11.00	No
	802.11ax(HE160)	50	5250	10.04	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	10.48	11.1	Yes
		60	5300	10.21	11.1	Yes
		64	5320	10.34	11.1	Yes
	802.11n(HT20)	52	5260	9.92	11.00	No
		60	5300	10.57	11.00	No
		64	5320	9.95	11.00	No
	802.11n(HT40)	54	5270	10.53	11.00	No
		62	5310	9.94	11.00	No
	802.11ac(VHT20)	52	5260	10.13	11.00	No
		60	5300	10.42	11.00	No
		64	5320	10.65	11.00	No
	802.11ac(VHT40)	54	5270	10.00	11.00	No
		62	5310	10.70	11.00	No
	802.11ac(VHT80)	58	5290	10.24	11.00	No

	802.11ax(HE20)	52	5260	10.43	11.00	No
		60	5300	10.26	11.00	No
		64	5320	10.50	11.00	No
	802.11ax(HE 40)	54	5270	10.06	11.00	No
		62	5310	10.33	11.00	No
	802.11ax(HE 80)	58	5290	10.66	11.00	No
5.6 (5.47~5.725)	802.11a	100	5500	10.12	11.1	Yes
		116	5580	10.01	11.1	Yes
		140	5700	10.28	11.1	Yes
	802.11n(HT20)	100	5500	10.03	11.00	No
		116	5580	9.96	11.00	No
		140	5700	10.47	11.00	No
	802.11n(HT40)	102	5510	9.88	11.00	No
		118	5590	9.97	11.00	No
		134	5670	10.19	11.00	No
	802.11ac(VHT20)	100	5500	10.13	11.00	No
		116	5580	10.25	11.00	No
		140	5700	10.08	11.00	No
	802.11ac(VHT40)	102	5510	10.47	11.00	No
		118	5590	10.12	11.00	No
		134	5670	10.61	11.00	No
	802.11ac(VHT80)	106	5530	10.56	11.00	No
		122	5690	10.01	11.00	No
	802.11ac(VHT160)	114	5570	10.18	11.00	No
	802.11ax(HE20)	100	5500	10.13	11.00	No
		116	5580	10.46	11.00	No
		140	5700	10.61	11.00	No
	802.11ax(HE40)	102	5510	10.12	11.00	No
		118	5590	9.94	11.00	No
		134	5670	10.55	11.00	No
	802.11ax(HE80)	106	5530	10.33	11.00	No
		122	5690	10.20	11.00	No
	802.11ax(HE160)	114	5570	10.10	11.00	No
5.8 (5.725~5.850)	802.11a	149	5745	10.08	11.1	No
		157	5785	10.03	11.1	No
		165	5825	10.16	11.1	No
	802.11n(HT20)	149	5745	10.14	11.00	No
		157	5785	10.28	11.00	No
		165	5825	9.96	11.00	No

	802.11n(HT40)	151	5755	10.61	11.00	No
		159	5795	10.48	11.00	No
	802.11ac(VHT20)	149	5745	10.18	11.00	No
		157	5785	10.32	11.00	No
		165	5825	10.63	11.00	No
	802.11ac(VHT40)	151	5755	10.75	11.00	No
		159	5795	10.08	11.00	No
	802.11ac(VHT80)	155	5775	10.37	11.00	No
	802.11ax(HE20)	149	5745	10.71	11.00	No
		157	5785	9.95	11.00	No
		165	5825	10.26	11.00	No
	802.11ax(HE40)	151	5755	10.56	11.00	No
		159	5795	10.59	11.00	No
	802.11ax(HE80)	155	5775	10.64	11.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.9.35 5G WIFI Ant. 13 Level5

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	10.24	11.10	No
		44	5220	10.66	11.10	No
		48	5240	10.30	11.10	No
	802.11n(HT20)	36	5180	9.85	11.00	No
		44	5220	10.23	11.00	No
		48	5240	10.40	11.00	No
	802.11n(HT40)	38	5190	10.14	11.00	No
		46	5230	10.16	11.00	No
	802.11ac(VHT20)	36	5180	10.75	11.00	No
		44	5220	9.85	11.00	No
		48	5240	10.73	11.00	No
	802.11ac(VHT40)	38	5190	9.90	11.00	No
		46	5230	10.62	11.00	No
	802.11ac(VHT80)	42	5210	10.37	11.00	No
	802.11ac(VHT160)	50	5250	10.56	11.00	No
	802.11ax(HE20)	36	5180	10.47	11.00	No
		44	5220	10.17	11.00	No
		48	5240	9.87	11.00	No
	802.11ax(HE40)	38	5190	10.32	11.00	No
		46	5230	10.46	11.00	No
	802.11ax(HE80)	42	5210	10.75	11.00	No
	802.11ax(HE160)	50	5250	10.35	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	10.52	11.1	Yes
		60	5300	10.12	11.1	Yes
		64	5320	10.33	11.1	Yes
	802.11n(HT20)	52	5260	10.71	11.00	No
		60	5300	9.87	11.00	No
		64	5320	10.08	11.00	No
	802.11n(HT40)	54	5270	10.18	11.00	No
		62	5310	10.71	11.00	No
	802.11ac(VHT20)	52	5260	10.18	11.00	No
		60	5300	10.39	11.00	No
		64	5320	10.26	11.00	No
	802.11ac(VHT40)	54	5270	10.55	11.00	No
		62	5310	10.47	11.00	No
	802.11ac(VHT80)	58	5290	10.00	11.00	No

	802.11ac(VHT20)	52	5260	10.67	11.00	No
		60	5300	10.13	11.00	No
		64	5320	10.63	11.00	No
	802.11ac(VHT40)	54	5270	10.58	11.00	No
		62	5310	10.45	11.00	No
	802.11ac(VHT80)	58	5290	10.27	11.00	No
	802.11ax(HE20)	52	5260	10.37	11.1	No
		60	5300	10.05	11.1	No
		64	5320	10.47	11.1	No
	802.11ax(HE 40)	54	5270	10.37	11.00	No
		62	5310	10.72	11.00	No
	802.11ax(HE 80)	58	5290	10.35	11.00	No
5.6 (5.47~5.725)	802.11a	100	5500	10.59	11.00	Yes
		116	5580	10.37	11.00	Yes
		140	5700	9.90	11.00	Yes
	802.11n(HT20)	100	5500	10.15	11.00	No
		116	5580	10.60	11.00	No
		140	5700	10.37	11.00	No
	802.11n(HT40)	102	5510	9.94	11.00	No
		118	5590	9.90	11.00	No
		134	5670	10.54	11.00	No
	802.11ac(VHT20)	100	5500	10.33	11.00	No
		116	5580	10.31	11.00	No
		140	5700	10.40	11.00	No
	802.11ac(VHT40)	102	5510	9.87	11.00	No
		118	5590	10.02	11.00	No
		134	5670	10.26	11.00	No
	802.11ac(VHT80)	106	5530	10.11	11.00	No
		122	5690	10.27	11.00	No
	802.11ac(VHT160)	114	5570	10.65	11.00	No
	802.11ax(HE20)	100	5500	10.48	11.00	No
		116	5580	10.26	11.00	No
		140	5700	10.14	11.00	No
	802.11ax(HE40)	102	5510	10.16	11.1	No
		118	5590	10.05	11.1	No
		134	5670	10.24	11.1	No
	802.11ax(HE80)	106	5530	10.18	11.00	No
		122	5690	10.65	11.00	No
	802.11ax(HE160)	114	5570	9.93	11.00	No

5.8 (5.725~5.850)	802.11a	149	5745	10.75	11.00	No
		157	5785	9.99	11.00	No
		165	5825	10.72	11.00	No
	802.11n(HT20)	149	5745	10.63	11.00	No
		157	5785	10.67	11.00	No
		165	5825	10.71	11.00	No
	802.11n(HT40)	151	5755	10.62	11.00	No
		159	5795	9.95	11.00	No
	802.11ac(VHT20)	149	5745	9.92	11.00	No
		157	5785	10.41	11.00	No
		165	5825	10.30	11.00	No
	802.11ac(VHT40)	151	5755	10.17	11.00	No
		159	5795	10.23	11.00	No
	802.11ac(VHT80)	155	5775	10.73	11.00	No
	802.11ax(HE20)	149	5745	10.24	11.10	No
		157	5785	10.66	11.10	No
		165	5825	10.30	11.10	No
	802.11ax(HE40)	151	5755	9.85	11.00	No
		159	5795	10.23	11.00	No
	802.11ax(HE80)	155	5775	10.40	11.00	No

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

8.9.36 5G WIFI Ant. 9&13 Level5

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	13.26	14.1	No
		44	5220	13.48	14.1	No
		48	5240	13.55	14.1	No
	802.11n(HT20)	36	5180	12.99	14	No
		44	5220	13.12	14	No
		48	5240	13.27	14	No
	802.11n(HT40)	38	5190	13.28	14	No
		46	5230	13.29	14	No
	802.11ac(VHT20)	36	5180	13.67	14	No
		44	5220	13.14	14	No
		48	5240	13.66	14	No
	802.11ac(VHT40)	38	5190	12.91	14	No
		46	5230	13.44	14	No
	802.11ac(VHT80)	42	5210	13.29	14	No
	802.11ac(VHT160)	50	5250	13.25	14	No
	802.11ax(HE20)	36	5180	13.58	14	No
		44	5220	13.37	14	No
		48	5240	13.22	14	No
	802.11ax(HE40)	38	5190	13.25	14	No
		46	5230	13.43	14	No
	802.11ax(HE80)	42	5210	13.33	14	No
	802.11ax(HE160)	50	5250	13.21	14	No
5.3 (5.25~5.35)	802.11a	52	5260	13.51	14.1	Yes
		60	5300	13.18	14.1	Yes
		64	5320	13.35	14.1	Yes
	802.11n(HT20)	52	5260	13.34	14	No
		60	5300	13.24	14	No
		64	5320	13.03	14	No
	802.11n(HT40)	54	5270	13.37	14	No
		62	5310	13.35	14	No
	802.11ac(VHT20)	52	5260	13.17	14	No
		60	5300	13.42	14	No
		64	5320	13.47	14	No
	802.11ac(VHT40)	54	5270	13.29	14	No
		62	5310	13.60	14	No
	802.11ac(VHT80)	58	5290	13.13	14	No

	802.11ax(HE20)	52	5260	13.56	14	No
		60	5300	13.21	14	No
		64	5320	13.58	14	No
	802.11ax(HE 40)	54	5270	13.34	14	No
		62	5310	13.40	14	No
	802.11ax(HE 80)	58	5290	13.48	14	No
5.6 (5.47~5.725)	802.11a	100	5500	13.26	14.1	Yes
		116	5580	13.04	14.1	Yes
		140	5700	13.39	14.1	Yes
	802.11n(HT20)	100	5500	13.21	14	No
		116	5580	13.37	14	No
		140	5700	13.42	14	No
	802.11n(HT40)	102	5510	13.26	14	No
		118	5590	13.18	14	No
		134	5670	13.06	14	No
	802.11ac(VHT20)	100	5500	13.15	14	No
		116	5580	13.44	14	No
		140	5700	13.24	14	No
	802.11ac(VHT40)	102	5510	13.22	14	No
		118	5590	13.02	14	No
		134	5670	13.59	14	No
	802.11ac(VHT80)	106	5530	13.46	14	No
		122	5690	13.17	14	No
	802.11ac(VHT160)	114	5570	13.30	14	No
	802.11ax(HE20)	100	5500	13.01	14	No
		116	5580	13.26	14	No
		140	5700	13.45	14	No
	802.11ax(HE40)	102	5510	13.13	14	No
		118	5590	13.12	14	No
		134	5670	13.61	14	No
	802.11ax(HE80)	106	5530	13.42	14	No
		122	5690	13.24	14	No
	802.11ax(HE160)	114	5570	13.13	14	No
5.8 (5.725~5.850)	802.11a	149	5745	13.13	14.1	No
		157	5785	13.05	14.1	No
		165	5825	13.21	14.1	No
	802.11n(HT20)	149	5745	13.17	14	No
		157	5785	13.48	14	No
		165	5825	12.96	14	No

	802.11n(HT40)	151	5755	13.69	14	No
		159	5795	13.25	14	No
	802.11ac(VHT20)	149	5745	13.47	14	No
		157	5785	13.49	14	No
		165	5825	13.66	14	No
	802.11ac(VHT40)	151	5755	13.74	14	No
		159	5795	13.37	14	No
	802.11ac(VHT80)	155	5775	13.18	14	No
	802.11ax(HE20)	149	5745	13.34	14	No
		157	5785	13.20	14	No
		165	5825	13.29	14	No
	802.11ax(HE40)	151	5755	13.38	14	No
		159	5795	13.42	14	No
	802.11ax(HE80)	155	5775	13.70	14	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.9.37 5G WIFI Ant. 9 Level6

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	9.14	10.1	No
		44	5220	9.74	10.1	No
		48	5240	9.79	10.1	No
	802.11n(HT20)	36	5180	9.75	10.00	No
		44	5220	9.23	10.00	No
		48	5240	9.53	10.00	No
	802.11n(HT40)	38	5190	9.58	10.00	No
		46	5230	9.22	10.00	No
	802.11ac(VHT20)	36	5180	8.92	10.00	No
		44	5220	8.95	10.00	No
		48	5240	8.94	10.00	No
	802.11ac(VHT40)	38	5190	9.42	10.00	No
		46	5230	9.67	10.00	No
	802.11ac(VHT80)	42	5210	9.27	10.00	No
	802.11ac(VHT160)	42	5210	9.52	10.00	No
	802.11ax(HE20)	36	5180	9.04	10.00	No
		44	5220	8.89	10.00	No
		48	5240	8.96	10.00	No
	802.11ax(HE40)	38	5190	9.67	10.00	No
		46	5230	9.20	10.00	No
	802.11ax(HE80)	42	5210	9.02	10.00	No
	802.11ax(HE160)	42	5210	9.12	10.00	No
5.3 (5.25~5.35)	802.11a	52	5260	9.55	10.1	Yes
		60	5300	9.13	10.1	Yes
		64	5320	9.40	10.1	Yes
	802.11n(HT20)	52	5260	9.55	10.00	No
		60	5300	9.18	10.00	No
		64	5320	9.50	10.00	No
	802.11n(HT40)	54	5270	8.94	10.00	No
		62	5310	9.27	10.00	No
	802.11ac(VHT20)	52	5260	8.99	10.00	No
		60	5300	9.15	10.00	No
		64	5320	9.44	10.00	No
	802.11ac(VHT40)	54	5270	8.87	10.00	No
		62	5310	8.94	10.00	No
	802.11ac(VHT80)	58	5290	8.86	10.00	No

	802.11ax(HE20)	52	5260	9.01	10.00	No
		60	5300	8.92	10.00	No
		64	5320	9.48	10.00	No
	802.11ax(HE 40)	54	5270	9.29	10.00	No
		62	5310	9.70	10.00	No
	802.11ax(HE 80)	58	5290	8.89	10.00	No
5.6 (5.47~5.725)	802.11a	100	5500	9.19	10.1	Yes
		116	5580	9.00	10.1	Yes
		140	5700	9.35	10.1	Yes
	802.11n(HT20)	100	5500	9.09	10.00	No
		116	5580	9.25	10.00	No
		140	5700	8.86	10.00	No
	802.11n(HT40)	102	5510	8.93	10.00	No
		118	5590	9.41	10.00	No
		134	5670	9.30	10.00	No
	802.11ac(VHT20)	100	5500	8.99	10.00	No
		116	5580	9.59	10.00	No
		140	5700	9.63	10.00	No
	802.11ac(VHT40)	102	5510	9.07	10.00	No
		118	5590	9.68	10.00	No
		134	5670	9.07	10.00	No
	802.11ac(VHT80)	106	5530	9.04	10.00	No
		122	5610	9.73	10.00	No
	802.11ac(VHT160)	114	5570	9.55	10.00	No
	802.11ax(HE20)	100	5500	9.49	10.00	No
		116	5580	8.99	10.00	No
		140	5700	9.73	10.00	No
	802.11ax(HE40)	102	5510	9.47	10.00	No
		118	5590	9.68	10.00	No
		134	5670	9.56	10.00	No
	802.11ax(HE80)	106	5530	9.54	10.00	No
		122	5610	8.87	10.00	No
	802.11ax(HE160)	114	5570	9.51	10.00	No
5.8 (5.725~5.850)	802.11a	149	5745	9.09	10.1	No
		157	5785	9.22	10.1	No
		165	5825	9.45	10.1	No
	802.11n(HT20)	149	5745	9.12	10.00	No
		157	5785	9.03	10.00	No
		165	5825	9.75	10.00	No

	802.11n(HT40)	151	5755	9.72	10.00	No
		159	5795	9.58	10.00	No
	802.11ac(VHT20)	149	5745	9.03	10.00	No
		157	5785	9.12	10.00	No
		165	5825	9.75	10.00	No
	802.11ac(VHT40)	151	5755	9.59	10.00	No
		159	5795	9.02	10.00	No
	802.11ac(VHT80)	155	5775	8.89	10.00	No
	802.11ax(HE20)	149	5745	9.42	10.00	No
		157	5785	9.27	10.00	No
		165	5825	9.72	10.00	No
	802.11ax(HE40)	151	5755	9.00	10.00	No
		159	5795	9.71	10.00	No
	802.11ax(HE80)	155	5775	9.16	10.00	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.						

8.9.38 5G WIFI Ant. 13 Level6

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	9.11	10.10	No
		44	5220	9.77	10.10	No
		48	5240	9.55	10.10	No
	802.11n(HT20)	36	5180	8.86	10.00	No
		44	5220	9.26	10.00	No
		48	5240	9.64	10.00	No
	802.11n(HT40)	38	5190	9.43	10.00	No
		46	5230	9.32	10.00	No
	802.11ac(VHT20)	36	5180	9.26	10.00	No
		44	5220	9.41	10.00	No
		48	5240	9.21	10.00	No
	802.11ac(VHT40)	38	5190	9.37	10.00	No
		46	5230	9.44	10.00	No
	802.11ac(VHT80)	42	5210	9.23	10.00	No
	802.11ac(VHT160)	42	5210	9.70	10.00	No
	802.11ax(HE20)	36	5180	9.18	10.00	No
		44	5220	9.02	10.00	No
		48	5240	8.92	10.00	No
	802.11ax(HE40)	38	5190	9.27	10.00	No
		46	5230	9.43	10.00	No
	802.11ax(HE80)	42	5210	9.35	10.00	No
	802.11ax(HE160)	42	5210	9.49	10.00	No
5.3 (5.25~5.35)	802.11a	52	5260	9.47	10.10	Yes
		60	5300	9.16	10.10	Yes
		64	5320	9.00	10.10	Yes
	802.11n(HT20)	52	5260	9.59	10.00	No
		60	5300	9.39	10.00	No
		64	5320	9.57	10.00	No
	802.11n(HT40)	54	5270	8.89	10.00	No
		62	5310	9.12	10.00	No
	802.11ac(VHT20)	52	5260	8.93	10.00	No
		60	5300	9.59	10.00	No
		64	5320	9.08	10.00	No
	802.11ac(VHT40)	54	5270	9.48	10.00	No
		62	5310	9.02	10.00	No
	802.11ac(VHT80)	58	5290	8.87	10.00	No

	802.11ax(HE20)	52	5260	9.06	10.00	No
		60	5300	9.08	10.00	No
		64	5320	9.65	10.00	No
	802.11ax(HE 40)	54	5270	9.66	10.00	No
		62	5310	9.06	10.00	No
	802.11ax(HE 80)	58	5290	9.36	10.00	No
5.6 (5.47~5.725)	802.11a	100	5500	9.12	10.10	Yes
		116	5580	9.25	10.10	Yes
		140	5700	9.39	10.10	Yes
	802.11n(HT20)	100	5500	8.87	10.00	No
		116	5580	9.29	10.00	No
		140	5700	9.19	10.00	No
	802.11n(HT40)	102	5510	8.86	10.00	No
		118	5590	9.07	10.00	No
		134	5670	9.47	10.00	No
	802.11ac(VHT20)	100	5500	9.08	10.00	No
		116	5580	9.50	10.00	No
		140	5700	9.33	10.00	No
	802.11ac(VHT40)	102	5510	9.09	10.00	No
		118	5590	9.66	10.00	No
		134	5670	8.98	10.00	No
	802.11ac(VHT80)	106	5530	9.42	10.00	No
		122	5610	8.99	10.00	No
	802.11ac(VHT160)	114	5570	9.12	10.00	No
	802.11ax(HE20)	100	5500	9.57	10.00	No
		116	5580	9.14	10.00	No
		140	5700	9.29	10.00	No
	802.11ax(HE40)	102	5510	9.19	10.00	No
		118	5590	9.11	10.00	No
		134	5670	9.66	10.00	No
	802.11ax(HE80)	106	5530	9.75	10.00	No
		122	5610	9.30	10.00	No
	802.11ax(HE160)	114	5570	9.25	10.00	No
5.8 (5.725~5.850)	802.11a	149	5745	9.44	10.10	No
		157	5785	9.35	10.10	No
		165	5825	9.51	10.10	No
	802.11n(HT20)	149	5745	9.37	10.00	No
		157	5785	9.15	10.00	No
		165	5825	9.72	10.00	No

	802.11n(HT40)	151	5755	8.97	10.00	No
		159	5795	9.31	10.00	No
	802.11ac(VHT20)	149	5745	9.22	10.00	No
		157	5785	8.93	10.00	No
		165	5825	9.16	10.00	No
	802.11ac(VHT40)	151	5755	9.10	10.00	No
		159	5795	9.35	10.00	No
	802.11ac(VHT80)	155	5775	9.37	10.00	No
	802.11ax(HE20)	149	5745	9.34	10.00	No
		157	5785	9.43	10.00	No
		165	5825	9.64	10.00	No
	802.11ax(HE40)	151	5755	9.38	10.00	No
		159	5795	9.59	10.00	No
	802.11ax(HE80)	155	5775	9.50	10.00	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.						

8.9.39 5G WIFI Ant. 9&13 Level6

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	12.14	13.10	No
		44	5220	12.77	13.10	No
		48	5240	12.68	13.10	No
	802.11n(HT20)	36	5180	12.34	13.00	No
		44	5220	12.26	13.00	No
		48	5240	12.60	13.00	No
	802.11n(HT40)	38	5190	12.52	13.00	No
		46	5230	12.28	13.00	No
	802.11ac(VHT20)	36	5180	12.10	13.00	No
		44	5220	12.20	13.00	No
		48	5240	12.09	13.00	No
	802.11ac(VHT40)	38	5190	12.41	13.00	No
		46	5230	12.57	13.00	No
	802.11ac(VHT80)	42	5210	12.26	13.00	No
	802.11ac(VHT160)	50	5250	12.62	13.00	No
	802.11ax(HE20)	36	5180	12.12	13.00	No
		44	5220	11.97	13.00	No
		48	5240	11.95	13.00	No
	802.11ax(HE40)	38	5190	12.48	13.00	No
		46	5230	12.33	13.00	No
	802.11ax(HE80)	42	5210	12.20	13.00	No
	802.11ax(HE160)	50	5250	12.32	13.00	No
5.3 (5.25~5.35)	802.11a	52	5260	12.52	13.10	Yes
		60	5300	12.16	13.10	Yes
		64	5320	12.21	13.10	Yes
	802.11n(HT20)	52	5260	12.58	13.00	No
		60	5300	12.30	13.00	No
		64	5320	12.55	13.00	No
	802.11n(HT40)	54	5270	11.93	13.00	No
		62	5310	12.21	13.00	No
	802.11ac(VHT20)	52	5260	11.97	13.00	No
		60	5300	12.39	13.00	No
		64	5320	12.27	13.00	No
	802.11ac(VHT40)	54	5270	12.20	13.00	No
		62	5310	11.99	13.00	No
	802.11ac(VHT80)	58	5290	11.88	13.00	No

	802.11ax(HE20)	52	5260	12.05	13.00	No
		60	5300	12.01	13.00	No
		64	5320	12.58	13.00	No
	802.11ax(HE 40)	54	5270	12.49	13.00	No
		62	5310	12.40	13.00	No
	802.11ax(HE 80)	58	5290	12.14	13.00	No
5.6 (5.47~5.725)	802.11a	100	5500	12.17	13.10	Yes
		116	5580	12.14	13.10	Yes
		140	5700	12.38	13.10	Yes
	802.11n(HT20)	100	5500	11.99	13.00	No
		116	5580	12.28	13.00	No
		140	5700	12.04	13.00	No
	802.11n(HT40)	102	5510	11.91	13.00	No
		118	5590	12.25	13.00	No
		134	5670	12.40	13.00	No
	802.11ac(VHT20)	100	5500	12.05	13.00	No
		116	5580	12.56	13.00	No
		140	5700	12.49	13.00	No
	802.11ac(VHT40)	102	5510	12.09	13.00	No
		118	5590	12.68	13.00	No
		134	5670	12.04	13.00	No
	802.11ac(VHT80)	106	5530	12.24	13.00	No
		122	5690	12.39	13.00	No
	802.11ac(VHT160)	114	5570	12.35	13.00	No
	802.11ax(HE20)	100	5500	12.54	13.00	No
		116	5580	12.08	13.00	No
		140	5700	12.53	13.00	No
	802.11ax(HE40)	102	5510	12.34	13.00	No
		118	5590	12.41	13.00	No
		134	5670	12.62	13.00	No
	802.11ax(HE80)	106	5530	12.66	13.00	No
		122	5690	12.10	13.00	No
	802.11ax(HE160)	114	5570	12.39	13.00	No
5.8 (5.725~5.850)	802.11a	149	5745	12.28	13.10	No
		157	5785	12.30	13.10	No
		165	5825	12.49	13.10	No
	802.11n(HT20)	149	5745	12.26	13.00	No
		157	5785	12.10	13.00	No
		165	5825	12.75	13.00	No

	802.11n(HT40)	151	5755	12.37	13.00	No
		159	5795	12.46	13.00	No
	802.11ac(VHT20)	149	5745	12.14	13.00	No
		157	5785	12.04	13.00	No
		165	5825	12.48	13.00	No
	802.11ac(VHT40)	151	5755	12.36	13.00	No
		159	5795	12.20	13.00	No
	802.11ac(VHT80)	155	5775	12.15	13.00	No
	802.11ax(HE20)	149	5745	12.39	13.00	No
		157	5785	12.36	13.00	No
		165	5825	12.69	13.00	No
	802.11ax(HE40)	151	5755	12.20	13.00	No
		159	5795	12.66	13.00	No
	802.11ax(HE80)	155	5775	12.34	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.						

8.9.40 5G WIFI Ant. 9 Level7

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	7.47	8.10	No
		44	5220	7.63	8.10	No
		48	5240	7.04	8.10	No
	802.11n(HT20)	36	5180	7.61	8.00	No
		44	5220	7.16	8.00	No
		48	5240	7.43	8.00	No
	802.11n(HT40)	38	5190	7.04	8.00	No
		46	5230	7.11	8.00	No
	802.11ac(VHT20)	36	5180	7.18	8.00	No
		44	5220	7.58	8.00	No
		48	5240	6.96	8.00	No
	802.11ac(VHT40)	38	5190	7.02	8.00	No
		46	5230	7.21	8.00	No
	802.11ac(VHT80)	42	5210	7.38	8.00	No
	802.11ac(VHT160)	50	5250	7.42	8.00	No
	802.11ax(HE20)	36	5180	7.46	8.00	No
		44	5220	7.45	8.00	No
		48	5240	7.19	8.00	No
	802.11ax(HE40)	38	5190	7.25	8.00	No
		46	5230	7.55	8.00	No
	802.11ax(HE80)	42	5210	7.69	8.00	No
	802.11ax(HE160)	50	5250	7.71	8.00	No
5.3 (5.25~5.35)	802.11a	52	5260	7.32	8.10	Yes
		60	5300	7.24	8.10	Yes
		64	5320	7.27	8.10	Yes
	802.11n(HT20)	52	5260	7.10	8.00	No
		60	5300	6.95	8.00	No
		64	5320	7.11	8.00	No
	802.11n(HT40)	54	5270	7.73	8.00	No
		62	5310	7.30	8.00	No
	802.11ac(VHT20)	52	5260	7.05	8.00	No
		60	5300	6.89	8.00	No
		64	5320	7.45	8.00	No
	802.11ac(VHT40)	54	5270	7.68	8.00	No
		62	5310	7.09	8.00	No
	802.11ac(VHT80)	58	5290	6.99	8.00	No

	802.11ax(HE20)	52	5260	7.25	8.00	No
		60	5300	7.42	8.00	No
		64	5320	6.95	8.00	No
	802.11ax(HE 40)	54	5270	7.22	8.00	No
		62	5310	7.44	8.00	No
	802.11ax(HE 80)	58	5290	7.18	8.00	No
5.6 (5.47~5.725)	802.11a	100	5500	7.12	8.10	Yes
		116	5580	7.32	8.10	Yes
		140	5700	7.45	8.10	Yes
	802.11n(HT20)	100	5500	7.31	8.00	No
		116	5580	6.99	8.00	No
		140	5700	7.75	8.00	No
	802.11n(HT40)	102	5510	7.39	8.00	No
		118	5590	7.32	8.00	No
		134	5670	7.56	8.00	No
	802.11ac(VHT20)	100	5500	7.43	8.00	No
		116	5580	7.43	8.00	No
		140	5700	7.58	8.00	No
	802.11ac(VHT40)	102	5510	7.53	8.00	No
		118	5590	7.34	8.00	No
		134	5670	6.87	8.00	No
	802.11ac(VHT80)	106	5530	7.19	8.00	No
		122	5690	6.87	8.00	No
	802.11ac(VHT160)	114	5570	7.49	8.00	No
	802.11ax(HE20)	100	5500	7.72	8.00	No
		116	5580	7.31	8.00	No
		140	5700	7.70	8.00	No
	802.11ax(HE40)	102	5510	6.98	8.00	No
		118	5590	7.03	8.00	No
		134	5670	7.00	8.00	No
	802.11ax(HE80)	106	5530	7.30	8.00	No
		122	5690	7.49	8.00	No
	802.11ax(HE160)	114	5570	6.90	8.00	No
5.8 (5.725~5.850)	802.11a	149	5745	7.07	8.10	No
		157	5785	7.13	8.10	No
		165	5825	7.22	8.10	No
	802.11n(HT20)	149	5745	7.64	8.00	No
		157	5785	7.23	8.00	No
		165	5825	7.56	8.00	No

	802.11n(HT40)	151	5755	7.66	8.00	No
		159	5795	7.39	8.00	No
	802.11ac(VHT20)	149	5745	7.02	8.00	No
		157	5785	6.87	8.00	No
		165	5825	6.93	8.00	No
	802.11ac(VHT40)	151	5755	7.41	8.00	No
		159	5795	7.65	8.00	No
	802.11ac(VHT80)	155	5775	7.08	8.00	No
	802.11ax(HE20)	149	5745	7.63	8.00	No
		157	5785	7.47	8.00	No
		165	5825	7.38	8.00	No
	802.11ax(HE40)	151	5755	6.92	8.00	No
		159	5795	6.91	8.00	No
	802.11ax(HE80)	155	5775	7.08	8.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.9.41 5G WIFI Ant. 13 Level7

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	7.62	8.10	No
		44	5220	7.04	8.10	No
		48	5240	7.48	8.10	No
	802.11n(HT20)	36	5180	7.23	8.00	No
		44	5220	7.52	8.00	No
		48	5240	7.40	8.00	No
	802.11n(HT40)	38	5190	7.04	8.00	No
		46	5230	7.25	8.00	No
	802.11ac(VHT20)	36	5180	7.04	8.00	No
		44	5220	7.38	8.00	No
		48	5240	7.14	8.00	No
	802.11ac(VHT40)	38	5190	7.06	8.00	No
		46	5230	7.60	8.00	No
	802.11ac(VHT80)	42	5210	7.31	8.00	No
	802.11ac(VHT160)	50	5250	6.95	8.00	No
	802.11ax(HE20)	36	5180	7.68	8.00	No
		44	5220	6.92	8.00	No
		48	5240	6.95	8.00	No
	802.11ax(HE40)	38	5190	7.73	8.00	No
		46	5230	7.37	8.00	No
	802.11ax(HE80)	42	5210	7.53	8.00	No
	802.11ax(HE160)	50	5250	7.62	8.00	No
5.3 (5.25~5.35)	802.11a	52	5260	7.41	8.10	Yes
		60	5300	7.19	8.10	Yes
		64	5320	7.24	8.10	Yes
	802.11n(HT20)	52	5260	6.91	8.00	No
		60	5300	7.17	8.00	No
		64	5320	7.11	8.00	No
	802.11n(HT40)	54	5270	7.14	8.00	No
		62	5310	6.87	8.00	No
	802.11ac(VHT20)	52	5260	6.95	8.00	No
		60	5300	7.50	8.00	No
		64	5320	7.51	8.00	No
	802.11ac(VHT40)	54	5270	7.03	8.00	No
		62	5310	6.85	8.00	No
	802.11ac(VHT80)	58	5290	7.24	8.00	No

	802.11ax(HE20)	52	5260	7.33	8.00	No
		60	5300	7.01	8.00	No
		64	5320	7.06	8.00	No
	802.11ax(HE 40)	54	5270	6.95	8.00	No
		62	5310	7.65	8.00	No
	802.11ax(HE 80)	58	5290	7.19	8.00	No
5.6 (5.47~5.725)	802.11a	100	5500	7.26	8.10	Yes
		116	5580	7.12	8.10	Yes
		140	5700	7.37	8.10	Yes
	802.11n(HT20)	100	5500	7.59	8.00	No
		116	5580	7.25	8.00	No
		140	5700	7.08	8.00	No
	802.11n(HT40)	102	5510	7.03	8.00	No
		118	5590	7.31	8.00	No
		134	5670	7.21	8.00	No
	802.11ac(VHT20)	100	5500	7.05	8.00	No
		116	5580	6.88	8.00	No
		140	5700	7.27	8.00	No
	802.11ac(VHT40)	102	5510	7.21	8.00	No
		118	5590	7.52	8.00	No
		134	5670	7.71	8.00	No
	802.11ac(VHT80)	106	5530	7.61	8.00	No
		122	5690	7.09	8.00	No
	802.11ac(VHT160)	114	5570	7.00	8.00	No
	802.11ax(HE20)	100	5500	7.28	8.00	No
		116	5580	7.73	8.00	No
		140	5700	6.86	8.00	No
	802.11ax(HE40)	102	5510	6.93	8.00	No
		118	5590	7.55	8.00	No
		134	5670	7.43	8.00	No
	802.11ax(HE80)	106	5530	7.58	8.00	No
		122	5690	7.29	8.00	No
	802.11ax(HE160)	114	5570	6.93	8.00	No
5.8 (5.725~5.850)	802.11a	149	5745	6.97	8.10	No
		157	5785	7.02	8.10	No
		165	5825	7.29	8.10	No
	802.11n(HT20)	149	5745	6.86	8.00	No
		157	5785	7.11	8.00	No
		165	5825	7.65	8.00	No

	802.11n(HT40)	151	5755	7.36	8.00	No
		159	5795	7.24	8.00	No
	802.11ac(VHT20)	149	5745	6.89	8.00	No
		157	5785	7.71	8.00	No
		165	5825	7.70	8.00	No
	802.11ac(VHT40)	151	5755	7.34	8.00	No
		159	5795	6.87	8.00	No
	802.11ac(VHT80)	155	5775	7.38	8.00	No
	802.11ax(HE20)	149	5745	7.71	8.00	No
		157	5785	7.10	8.00	No
		165	5825	7.34	8.00	No
	802.11ax(HE40)	151	5755	7.04	8.00	No
		159	5795	7.16	8.00	No
	802.11ax(HE80)	155	5775	6.98	8.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.9.42 5G WIFI Ant. 9&13 Level7

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	10.56	11.10	No
		44	5220	10.36	11.10	No
		48	5240	10.28	11.10	No
	802.11n(HT20)	36	5180	10.43	11.00	No
		44	5220	10.35	11.00	No
		48	5240	10.43	11.00	No
	802.11n(HT40)	38	5190	10.05	11.00	No
		46	5230	10.19	11.00	No
	802.11ac(VHT20)	36	5180	10.12	11.00	No
		44	5220	10.49	11.00	No
		48	5240	10.06	11.00	No
	802.11ac(VHT40)	38	5190	10.05	11.00	No
		46	5230	10.42	11.00	No
	802.11ac(VHT80)	42	5210	10.36	11.00	No
	802.11ac(VHT160)	50	5250	10.20	11.00	No
	802.11ax(HE20)	36	5180	10.58	11.00	No
		44	5220	10.20	11.00	No
		48	5240	10.08	11.00	No
	802.11ax(HE40)	38	5190	10.51	11.00	No
		46	5230	10.47	11.00	No
	802.11ax(HE80)	42	5210	10.62	11.00	No
	802.11ax(HE160)	50	5250	10.68	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	10.38	11.10	Yes
		60	5300	10.23	11.10	Yes
		64	5320	10.27	11.10	Yes
	802.11n(HT20)	52	5260	10.02	11.00	No
		60	5300	10.07	11.00	No
		64	5320	10.12	11.00	No
	802.11n(HT40)	54	5270	10.46	11.00	No
		62	5310	10.10	11.00	No
	802.11ac(VHT20)	52	5260	10.01	11.00	No
		60	5300	10.22	11.00	No
		64	5320	10.49	11.00	No
	802.11ac(VHT40)	54	5270	10.38	11.00	No
		62	5310	9.98	11.00	No
	802.11ac(VHT80)	58	5290	10.13	11.00	No

	802.11ax(HE20)	52	5260	10.30	11.00	No
		60	5300	10.23	11.00	No
		64	5320	10.02	11.00	No
	802.11ax(HE 40)	54	5270	10.10	11.00	No
		62	5310	10.56	11.00	No
	802.11ax(HE 80)	58	5290	10.20	11.00	No
5.6 (5.47~5.725)	802.11a	100	5500	10.20	11.10	Yes
		116	5580	10.23	11.10	Yes
		140	5700	10.42	11.10	Yes
	802.11n(HT20)	100	5500	10.46	11.00	No
		116	5580	10.13	11.00	No
		140	5700	10.44	11.00	No
	802.11n(HT40)	102	5510	10.22	11.00	No
		118	5590	10.33	11.00	No
		134	5670	10.40	11.00	No
	802.11ac(VHT20)	100	5500	10.25	11.00	No
		116	5580	10.17	11.00	No
		140	5700	10.44	11.00	No
	802.11ac(VHT40)	102	5510	10.38	11.00	No
		118	5590	10.44	11.00	No
		134	5670	10.32	11.00	No
	802.11ac(VHT80)	106	5530	10.42	11.00	No
		122	5690	9.99	11.00	No
	802.11ac(VHT160)	114	5570	10.26	11.00	No
	802.11ax(HE20)	100	5500	10.52	11.00	No
		116	5580	10.54	11.00	No
		140	5700	10.31	11.00	No
	802.11ax(HE40)	102	5510	9.97	11.00	No
		118	5590	10.31	11.00	No
		134	5670	10.23	11.00	No
	802.11ax(HE80)	106	5530	10.45	11.00	No
		122	5690	10.40	11.00	No
	802.11ax(HE160)	114	5570	9.93	11.00	No
5.8 (5.725~5.850)	802.11a	149	5745	10.03	11.10	No
		157	5785	10.09	11.10	No
		165	5825	10.27	11.10	No
	802.11n(HT20)	149	5745	10.28	11.00	No
		157	5785	10.18	11.00	No
		165	5825	10.62	11.00	No

	802.11n(HT40)	151	5755	10.52	11.00	No
		159	5795	10.33	11.00	No
	802.11ac(VHT20)	149	5745	9.97	11.00	No
		157	5785	10.32	11.00	No
		165	5825	10.34	11.00	No
	802.11ac(VHT40)	151	5755	10.39	11.00	No
		159	5795	10.29	11.00	No
	802.11ac(VHT80)	155	5775	10.24	11.00	No
	802.11ax(HE20)	149	5745	10.68	11.00	No
		157	5785	10.30	11.00	No
		165	5825	10.37	11.00	No
	802.11ax(HE40)	151	5755	9.99	11.00	No
		159	5795	10.05	11.00	No
	802.11ax(HE80)	155	5775	10.04	11.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.9.43 5G WIFI Ant. 9 Level8

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	12.34	13.1	No
		44	5220	11.75	13.1	No
		48	5240	11.84	13.1	No
	802.11n(HT20)	36	5180	12.48	13.00	No
		44	5220	12.06	13.00	No
		48	5240	11.68	13.00	No
	802.11n(HT40)	38	5190	12.52	13.00	No
		46	5230	11.91	13.00	No
	802.11ac(VHT20)	36	5180	12.53	13.00	No
		44	5220	12.06	13.00	No
		48	5240	11.69	13.00	No
	802.11ac(VHT40)	38	5190	12.56	13.00	No
		46	5230	11.89	13.00	No
	802.11ac(VHT80)	42	5210	12.31	13.00	No
	802.11ac(VHT160)	50	5250	14.00	15.50	No
	802.11ax(HE20)	36	5180	12.56	13.00	No
		44	5220	12.08	13.00	No
		48	5240	11.93	13.00	No
	802.11ax(HE40)	38	5190	12.63	13.00	No
		46	5230	12.48	13.00	No
	802.11ax(HE80)	42	5210	12.34	13.00	No
	802.11ax(HE160)	50	5250	13.97	15.50	No
5.3 (5.25~5.35)	802.11a	52	5260	16.34	17.10	Yes
		60	5300	16.16	17.10	Yes
		64	5320	16.04	17.10	Yes
	802.11n(HT20)	52	5260	16.16	17.00	No
		60	5300	16.06	17.00	No
		64	5320	15.93	17.00	No
	802.11n(HT40)	54	5270	16.29	17.00	No
		62	5310	15.63	17.00	No
	802.11ac(VHT20)	52	5260	16.18	17.00	No
		60	5300	16.03	17.00	No
		64	5320	15.92	17.00	No
	802.11ac(VHT40)	54	5270	16.21	17.00	No
		62	5310	15.61	17.00	No
	802.11ac(VHT80)	58	5290	15.71	17.00	No

	802.11ax(HE20)	52	5260	16.32	17.00	No
		60	5300	16.18	17.00	No
		64	5320	16.09	17.00	No
	802.11ax(HE 40)	54	5270	16.49	17.00	No
		62	5310	15.91	17.00	No
	802.11ax(HE 80)	58	5290	15.91	17.00	No
5.6 (5.47~5.725)	802.11a	100	5500	15.35	17.10	Yes
		116	5580	16.06	17.10	Yes
		140	5700	15.80	17.10	Yes
	802.11n(HT20)	100	5500	14.99	16.50	No
		116	5580	15.87	17.00	No
		140	5700	15.28	17.00	No
	802.11n(HT40)	102	5510	14.40	16.00	No
		118	5590	16.05	17.00	No
		134	5670	16.31	17.00	No
	802.11ac(VHT20)	100	5500	15.15	17.00	No
		116	5580	15.89	17.00	No
		140	5700	15.38	17.00	No
	802.11ac(VHT40)	102	5510	14.42	16.00	No
		118	5590	16.10	17.00	No
		134	5670	16.30	17.00	No
	802.11ac(VHT80)	106	5530	13.31	15.00	No
		122	5690	16.07	17.00	No
	802.11ac(VHT160)	114	5570	13.03	15.00	No
	802.11ax(HE20)	100	5500	15.47	17.00	No
		116	5580	16.13	17.00	No
		140	5700	15.61	17.00	No
	802.11ax(HE40)	102	5510	13.28	15.00	No
		118	5590	16.48	17.00	No
		134	5670	16.55	17.00	No
	802.11ax(HE80)	106	5530	12.89	14.00	No
		122	5690	16.35	17.00	No
	802.11ax(HE160)	114	5570	13.24	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	16.10	17.10	No
		157	5785	15.99	17.10	No
		165	5825	16.08	17.10	No
	802.11n(HT20)	149	5745	16.10	17.00	No
		157	5785	16.68	17.00	No
		165	5825	16.19	17.00	No

	802.11n(HT40)	151	5755	16.20	17.00	No
		159	5795	16.43	17.00	No
	802.11ac(VHT20)	149	5745	16.62	17.00	No
		157	5785	16.50	17.00	No
		165	5825	16.01	17.00	No
	802.11ac(VHT40)	151	5755	16.50	17.00	No
		159	5795	15.87	17.00	No
	802.11ac(VHT80)	155	5775	15.87	17.00	No
	802.11ax(HE20)	149	5745	16.57	17.00	No
		157	5785	16.01	17.00	No
		165	5825	16.18	17.00	No
	802.11ax(HE40)	151	5755	16.38	17.00	No
		159	5795	16.38	17.00	No
	802.11ax(HE80)	155	5775	15.93	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.						

8.9.44 5G WIFI Ant. 13 Level8

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	12.13	13.1	No
		44	5220	11.54	13.1	No
		48	5240	11.73	13.1	No
	802.11n(HT20)	36	5180	12.02	13.00	No
		44	5220	11.62	13.00	No
		48	5240	11.30	13.00	No
	802.11n(HT40)	38	5190	12.02	13.00	No
		46	5230	11.48	13.00	No
	802.11ac(VHT20)	36	5180	12.00	13.00	No
		44	5220	11.45	13.00	No
		48	5240	11.54	13.00	No
	802.11ac(VHT40)	38	5190	12.03	13.00	No
		46	5230	11.84	13.00	No
	802.11ac(VHT80)	42	5210	12.04	13.00	No
	802.11ac(VHT160)	50	5250	16.04	17.00	No
	802.11ax(HE20)	36	5180	12.34	13.00	No
		44	5220	11.99	13.00	No
		48	5240	11.71	13.00	No
	802.11ax(HE40)	38	5190	12.36	13.00	No
		46	5230	12.18	13.00	No
	802.11ax(HE80)	42	5210	12.32	13.00	No
	802.11ax(HE160)	50	5250	16.06	17.00	No
5.3 (5.25~5.35)	802.11a	52	5260	16.77	17.10	Yes
		60	5300	16.52	17.10	Yes
		64	5320	16.40	17.10	Yes
	802.11n(HT20)	52	5260	16.60	17.00	No
		60	5300	16.31	17.00	No
		64	5320	16.22	17.00	No
	802.11n(HT40)	54	5270	16.65	17.00	No
		62	5310	16.32	17.00	No
	802.11ac(VHT20)	52	5260	16.53	17.00	No
		60	5300	16.29	17.00	No
		64	5320	16.19	17.00	No
	802.11ac(VHT40)	54	5270	16.58	17.00	No
		62	5310	16.36	17.00	No
	802.11ac(VHT80)	58	5290	16.50	17.00	No

	802.11ax(HE20)	52	5260	16.82	17.00	No
		60	5300	16.61	17.00	No
		64	5320	16.50	17.00	No
	802.11ax(HE 40)	54	5270	17.00	17.00	No
		62	5310	16.76	17.00	No
	802.11ax(HE 80)	58	5290	16.79	17.00	No
5.6 (5.47~5.725)	802.11a	100	5500	16.70	17.10	Yes
		116	5580	16.64	17.10	Yes
		140	5700	16.94	17.10	Yes
	802.11n(HT20)	100	5500	16.59	17.00	No
		116	5580	16.55	17.00	No
		140	5700	16.78	17.00	No
	802.11n(HT40)	102	5510	16.22	17.00	No
		118	5590	16.70	17.00	No
		134	5670	16.98	17.00	No
	802.11ac(VHT20)	100	5500	16.57	17.00	No
		116	5580	16.51	17.00	No
		140	5700	16.77	17.00	No
	802.11ac(VHT40)	102	5510	16.24	17.00	No
		118	5590	16.72	17.00	No
		134	5670	16.99	17.00	No
	802.11ac(VHT80)	106	5530	16.65	17.00	No
		122	5690	16.59	17.00	No
	802.11ac(VHT160)	114	5570	15.69	17.00	No
	802.11ax(HE20)	100	5500	16.82	17.00	No
		116	5580	16.71	17.00	No
		140	5700	16.92	17.00	No
	802.11ax(HE40)	102	5510	15.89	17.00	No
		118	5590	16.95	17.00	No
		134	5670	16.99	17.00	No
	802.11ax(HE80)	106	5530	16.41	17.00	No
		122	5690	16.88	17.00	No
	802.11ax(HE160)	114	5570	15.42	17.00	No
5.8 (5.725~5.850)	802.11a	149	5745	16.31	17.10	No
		157	5785	16.22	17.10	No
		165	5825	16.32	17.10	No
	802.11n(HT20)	149	5745	16.34	17.00	No
		157	5785	16.05	17.00	No
		165	5825	15.93	17.00	No

	802.11n(HT40)	151	5755	16.50	17.00	No
		159	5795	16.30	17.00	No
	802.11ac(VHT20)	149	5745	15.89	17.00	No
		157	5785	16.52	17.00	No
		165	5825	16.29	17.00	No
	802.11ac(VHT40)	151	5755	15.86	17.00	No
		159	5795	16.16	17.00	No
	802.11ac(VHT80)	155	5775	16.25	17.00	No
	802.11ax(HE20)	149	5745	16.73	17.00	No
		157	5785	16.43	17.00	No
		165	5825	16.71	17.00	No
	802.11ax(HE40)	151	5755	15.90	17.00	No
		159	5795	16.61	17.00	No
	802.11ax(HE80)	155	5775	16.14	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.						

8.9.45 5G WIFI Ant. 9&13 Level8

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	15.25	16.1	No
		44	5220	14.66	16.1	No
		48	5240	14.80	16.1	No
	802.11n(HT20)	36	5180	15.27	16.0	No
		44	5220	14.86	16.0	No
		48	5240	14.50	16.0	No
	802.11n(HT40)	38	5190	15.29	16.0	No
		46	5230	14.71	16.0	No
	802.11ac(VHT20)	36	5180	15.28	16.0	No
		44	5220	14.78	16.0	No
		48	5240	14.63	16.0	No
	802.11ac(VHT40)	38	5190	15.31	16.0	No
		46	5230	14.88	16.0	No
	802.11ac(VHT80)	42	5210	15.19	16.0	No
	802.11ac(VHT160)	50	5250	18.15	18.5	No
	802.11ax(HE20)	36	5180	15.46	16.0	No
		44	5220	15.05	16.0	No
		48	5240	14.83	16.0	No
	802.11ax(HE40)	38	5190	15.51	16.0	No
		46	5230	15.34	16.0	No
	802.11ax(HE80)	42	5210	15.34	16.0	No
	802.11ax(HE160)	50	5250	18.15	18.5	No
5.3 (5.25~5.35)	802.11a	52	5260	19.57	20.1	Yes
		60	5300	19.35	20.1	Yes
		64	5320	19.23	20.1	Yes
	802.11n(HT20)	52	5260	19.40	20.0	No
		60	5300	19.20	20.0	No
		64	5320	19.09	20.0	No
	802.11n(HT40)	54	5270	19.48	20.0	No
		62	5310	19.00	20.0	No
	802.11ac(VHT20)	52	5260	19.37	20.0	No
		60	5300	19.17	20.0	No
		64	5320	19.07	20.0	No
	802.11ac(VHT40)	54	5270	19.41	20.0	No
		62	5310	19.01	20.0	No
	802.11ac(VHT80)	58	5290	19.13	20.0	No

	802.11ax(HE20)	52	5260	19.59	20.0	No
		60	5300	19.41	20.0	No
		64	5320	19.31	20.0	No
	802.11ax(HE 40)	54	5270	19.76	20.0	No
		62	5310	19.37	20.0	No
	802.11ax(HE 80)	58	5290	19.38	20.0	No
5.6 (5.47~5.725)	802.11a	100	5500	19.09	20.1	Yes
		116	5580	19.37	20.1	Yes
		140	5700	19.42	20.1	Yes
	802.11n(HT20)	100	5500	18.87	19.5	No
		116	5580	19.23	20.0	No
		140	5700	19.10	20.0	No
	802.11n(HT40)	102	5510	18.41	19.0	No
		118	5590	19.40	20.0	No
		134	5670	19.67	20.0	No
	802.11ac(VHT20)	100	5500	18.93	20.0	No
		116	5580	19.22	20.0	No
		140	5700	19.14	20.0	No
	802.11ac(VHT40)	102	5510	18.43	19.0	No
		118	5590	19.43	20.0	No
		134	5670	19.67	20.0	No
	802.11ac(VHT80)	106	5530	18.30	20.0	No
		122	5690	19.35	20.0	No
	802.11ac(VHT160)	114	5570	17.57	18.0	No
	802.11ax(HE20)	100	5500	19.21	20.0	No
		116	5580	19.44	20.0	No
		140	5700	19.32	20.0	No
	802.11ax(HE40)	102	5510	17.79	18.0	No
		118	5590	19.73	20.0	No
		134	5670	19.79	20.0	No
	802.11ax(HE80)	106	5530	18.01	20.0	No
		122	5690	19.63	20.0	No
	802.11ax(HE160)	114	5570	17.48	18.0	No
5.8 (5.725~5.850)	802.11a	149	5745	19.22	22.2	No
		157	5785	19.12	22.1	No
		165	5825	19.21	22.2	No
	802.11n(HT20)	149	5745	19.23	22.2	No
		157	5785	19.39	22.4	No
		165	5825	19.07	22.1	No

	802.11n(HT40)	151	5755	19.36	22.4	No
		159	5795	19.38	22.4	No
	802.11ac(VHT20)	149	5745	19.28	22.3	No
		157	5785	19.52	22.5	No
		165	5825	19.16	22.2	No
	802.11ac(VHT40)	151	5755	19.20	22.2	No
		159	5795	19.03	22.0	No
	802.11ac(VHT80)	155	5775	19.07	22.1	No
	802.11ax(HE20)	149	5745	19.66	22.7	No
		157	5785	19.24	22.2	No
		165	5825	19.46	22.5	No
	802.11ax(HE40)	151	5755	19.16	22.2	No
		159	5795	19.51	22.5	No
	802.11ax(HE80)	155	5775	19.05	22.1	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.						

8.9.46 5G WIFI Ant. 9 Level14

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	8.62	9.10	No
		44	5220	8.35	9.10	No
		48	5240	8.47	9.10	No
	802.11n(HT20)	36	5180	7.86	9.00	No
		44	5220	8.49	9.00	No
		48	5240	8.15	9.00	No
	802.11n(HT40)	38	5190	8.16	9.00	No
		46	5230	8.60	9.00	No
	802.11ac(VHT20)	36	5180	8.73	9.00	No
		44	5220	8.74	9.00	No
		48	5240	8.24	9.00	No
	802.11ac(VHT40)	38	5190	8.18	9.00	No
		46	5230	7.87	9.00	No
	802.11ac(VHT80)	42	5210	7.95	9.00	No
	802.11ac(VHT160)	50	5250	7.92	9.00	No
	802.11ax(HE20)	36	5180	8.29	9.00	No
		44	5220	8.03	9.00	No
		48	5240	7.85	9.00	No
	802.11ax(HE40)	38	5190	8.62	9.00	No
		46	5230	8.44	9.00	No
	802.11ax(HE80)	42	5210	8.24	9.00	No
	802.11ax(HE160)	50	5250	7.94	9.00	No
5.3 (5.25~5.35)	802.11a	52	5260	8.46	9.10	Yes
		60	5300	8.22	9.10	Yes
		64	5320	8.61	9.10	Yes
	802.11n(HT20)	52	5260	8.65	9.00	No
		60	5300	8.57	9.00	No
		64	5320	8.03	9.00	No
	802.11n(HT40)	54	5270	8.47	9.00	No
		62	5310	8.65	9.00	No
	802.11ac(VHT20)	52	5260	8.75	9.00	No
		60	5300	8.50	9.00	No
		64	5320	8.19	9.00	No
	802.11ac(VHT40)	54	5270	8.62	9.00	No
		62	5310	8.49	9.00	No
	802.11ac(VHT80)	58	5290	8.46	9.00	No

	802.11ax(HE20)	52	5260	8.65	9.00	No
		60	5300	8.38	9.00	No
		64	5320	8.11	9.00	No
	802.11ax(HE 40)	54	5270	8.18	9.00	No
		62	5310	8.59	9.00	No
	802.11ax(HE 80)	58	5290	7.87	9.00	No
5.6 (5.47~5.725)	802.11a	100	5500	8.24	9.10	Yes
		116	5580	8.41	9.10	Yes
		140	5700	8.38	9.10	Yes
	802.11n(HT20)	100	5500	8.73	9.00	No
		116	5580	8.13	9.00	No
		140	5700	8.54	9.00	No
	802.11n(HT40)	102	5510	8.36	9.00	No
		118	5590	7.91	9.00	No
		134	5670	8.09	9.00	No
	802.11ac(VHT20)	100	5500	8.35	9.00	No
		116	5580	8.22	9.00	No
		140	5700	8.70	9.00	No
	802.11ac(VHT40)	102	5510	8.64	9.00	No
		118	5590	8.07	9.00	No
		134	5670	8.40	9.00	No
	802.11ac(VHT80)	106	5530	8.16	9.00	No
		122	5690	8.08	9.00	No
	802.11ac(VHT160)	114	5570	7.96	9.00	No
	802.11ax(HE20)	100	5500	8.48	9.00	No
		116	5580	8.53	9.00	No
		140	5700	7.99	9.00	No
	802.11ax(HE40)	102	5510	8.73	9.00	No
		118	5590	8.72	9.00	No
		134	5670	8.26	9.00	No
	802.11ax(HE80)	106	5530	8.15	9.00	No
		122	5690	8.13	9.00	No
	802.11ax(HE160)	114	5570	8.11	9.00	No
5.8 (5.725~5.850)	802.11a	149	5745	8.01	9.10	No
		157	5785	7.97	9.10	No
		165	5825	8.06	9.10	No
	802.11n(HT20)	149	5745	8.51	9.00	No
		157	5785	8.48	9.00	No
		165	5825	8.09	9.00	No

	802.11n(HT40)	151	5755	8.30	9.00	No
		159	5795	8.61	9.00	No
	802.11ac(VHT20)	149	5745	8.24	9.00	No
		157	5785	7.90	9.00	No
		165	5825	8.25	9.00	No
	802.11ac(VHT40)	151	5755	8.20	9.00	No
		159	5795	8.09	9.00	No
	802.11ac(VHT80)	155	5775	8.52	9.00	No
	802.11ax(HE20)	149	5745	8.07	9.00	No
		157	5785	8.69	9.00	No
		165	5825	8.73	9.00	No
	802.11ax(HE40)	151	5755	8.46	9.00	No
		159	5795	8.59	9.00	No
	802.11ax(HE80)	155	5775	8.39	9.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.9.47 5G WIFI Ant. 13 Level14

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	8.55	9.10	No
		44	5220	8.42	9.10	No
		48	5240	8.23	9.10	No
	802.11n(HT20)	36	5180	8.10	9.00	No
		44	5220	8.26	9.00	No
		48	5240	8.72	9.00	No
	802.11n(HT40)	38	5190	8.60	9.00	No
		46	5230	8.08	9.00	No
	802.11ac(VHT20)	36	5180	7.93	9.00	No
		44	5220	8.17	9.00	No
		48	5240	7.99	9.00	No
	802.11ac(VHT40)	38	5190	8.53	9.00	No
		46	5230	8.39	9.00	No
	802.11ac(VHT80)	42	5210	8.05	9.00	No
	802.11ac(VHT160)	50	5250	8.53	9.00	No
	802.11ax(HE20)	36	5180	8.00	9.00	No
		44	5220	8.41	9.00	No
		48	5240	8.26	9.00	No
	802.11ax(HE40)	38	5190	8.58	9.00	No
		46	5230	7.97	9.00	No
	802.11ax(HE80)	42	5210	8.48	9.00	No
	802.11ax(HE160)	50	5250	7.89	9.00	No
5.3 (5.25~5.35)	802.11a	52	5260	8.57	9.10	Yes
		60	5300	8.46	9.10	Yes
		64	5320	8.57	9.10	Yes
	802.11n(HT20)	52	5260	8.38	9.00	No
		60	5300	8.11	9.00	No
		64	5320	8.55	9.00	No
	802.11n(HT40)	54	5270	8.42	9.00	No
		62	5310	8.53	9.00	No
	802.11ac(VHT20)	52	5260	8.08	9.00	No
		60	5300	8.62	9.00	No
		64	5320	8.69	9.00	No
	802.11ac(VHT40)	54	5270	8.07	9.00	No
		62	5310	8.66	9.00	No
	802.11ac(VHT80)	58	5290	8.25	9.00	No

	802.11ax(HE20)	52	5260	8.63	9.00	No
		60	5300	8.58	9.00	No
		64	5320	8.48	9.00	No
	802.11ax(HE 40)	54	5270	8.20	9.00	No
		62	5310	8.05	9.00	No
	802.11ax(HE 80)	58	5290	8.48	9.00	No
5.6 (5.47~5.725)	802.11a	100	5500	8.04	9.10	Yes
		116	5580	8.03	9.10	Yes
		140	5700	8.23	9.10	Yes
	802.11n(HT20)	100	5500	8.47	9.00	No
		116	5580	8.21	9.00	No
		140	5700	8.48	9.00	No
	802.11n(HT40)	102	5510	8.26	9.00	No
		118	5590	8.07	9.00	No
		134	5670	8.51	9.00	No
	802.11ac(VHT20)	100	5500	8.31	9.00	No
		116	5580	8.49	9.00	No
		140	5700	8.22	9.00	No
	802.11ac(VHT40)	102	5510	7.94	9.00	No
		118	5590	7.85	9.00	No
		134	5670	8.53	9.00	No
	802.11ac(VHT80)	106	5530	8.63	9.00	No
		122	5690	8.52	9.00	No
	802.11ac(VHT160)	114	5570	8.18	9.00	No
	802.11ax(HE20)	100	5500	8.45	9.00	No
		116	5580	8.43	9.00	No
		140	5700	8.47	9.00	No
	802.11ax(HE40)	102	5510	8.16	9.00	No
		118	5590	7.86	9.00	No
		134	5670	8.16	9.00	No
	802.11ax(HE80)	106	5530	7.98	9.00	No
		122	5690	8.38	9.00	No
	802.11ax(HE160)	114	5570	7.86	9.00	No
5.8 (5.725~5.850)	802.11a	149	5745	7.91	9.10	No
		157	5785	7.95	9.10	No
		165	5825	8.01	9.10	No
	802.11n(HT20)	149	5745	8.32	9.00	No
		157	5785	8.45	9.00	No
		165	5825	8.02	9.00	No

	802.11n(HT40)	151	5755	8.72	9.00	No
		159	5795	8.38	9.00	No
	802.11ac(VHT20)	149	5745	8.70	9.00	No
		157	5785	7.94	9.00	No
		165	5825	8.01	9.00	No
	802.11ac(VHT40)	151	5755	8.13	9.00	No
		159	5795	8.21	9.00	No
	802.11ac(VHT80)	155	5775	8.70	9.00	No
	802.11ax(HE20)	149	5745	8.25	9.00	No
		157	5785	8.40	9.00	No
		165	5825	7.91	9.00	No
	802.11ax(HE40)	151	5755	7.97	9.00	No
		159	5795	8.38	9.00	No
	802.11ax(HE80)	155	5775	8.46	9.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.9.48 5G WIFI Ant. 9&13 Level14

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	11.60	12.10	No
		44	5220	11.40	12.10	No
		48	5240	11.36	12.10	No
	802.11n(HT20)	36	5180	10.99	12.00	No
		44	5220	11.39	12.00	No
		48	5240	11.45	12.00	No
	802.11n(HT40)	38	5190	11.40	12.00	No
		46	5230	11.36	12.00	No
	802.11ac(VHT20)	36	5180	11.36	12.00	No
		44	5220	11.47	12.00	No
		48	5240	11.13	12.00	No
	802.11ac(VHT40)	38	5190	11.37	12.00	No
		46	5230	11.15	12.00	No
	802.11ac(VHT80)	42	5210	11.01	12.00	No
	802.11ac(VHT160)	50	5250	11.25	12.00	No
	802.11ax(HE20)	36	5180	11.16	12.00	No
		44	5220	11.23	12.00	No
		48	5240	11.07	12.00	No
	802.11ax(HE40)	38	5190	11.61	12.00	No
		46	5230	11.22	12.00	No
	802.11ax(HE80)	42	5210	11.37	12.00	No
	802.11ax(HE160)	50	5250	10.93	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	11.53	12.10	Yes
		60	5300	11.35	12.10	Yes
		64	5320	11.60	12.10	Yes
	802.11n(HT20)	52	5260	11.53	12.00	No
		60	5300	11.36	12.00	No
		64	5320	11.31	12.00	No
	802.11n(HT40)	54	5270	11.46	12.00	No
		62	5310	11.60	12.00	No
	802.11ac(VHT20)	52	5260	11.44	12.00	No
		60	5300	11.57	12.00	No
		64	5320	11.46	12.00	No
	802.11ac(VHT40)	54	5270	11.36	12.00	No
		62	5310	11.59	12.00	No
	802.11ac(VHT80)	58	5290	11.37	12.00	No

	802.11ac(VHT20)	52	5260	11.65	12.00	No
		60	5300	11.49	12.00	No
		64	5320	11.31	12.00	No
	802.11ac(VHT40)	54	5270	11.20	12.00	No
		62	5310	11.34	12.00	No
	802.11ac(VHT80)	58	5290	11.20	12.00	No
	802.11ax(HE20)	52	5260	11.15	12.10	No
		60	5300	11.23	12.10	No
		64	5320	11.32	12.10	No
	802.11ax(HE 40)	54	5270	11.61	12.00	No
		62	5310	11.18	12.00	No
	802.11ax(HE 80)	58	5290	11.52	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	11.32	12.00	Yes
		116	5580	11.00	12.00	Yes
		140	5700	11.32	12.00	Yes
	802.11n(HT20)	100	5500	11.34	12.00	No
		116	5580	11.37	12.00	No
		140	5700	11.48	12.00	No
	802.11n(HT40)	102	5510	11.31	12.00	No
		118	5590	10.97	12.00	No
		134	5670	11.48	12.00	No
	802.11ac(VHT20)	100	5500	11.41	12.00	No
		116	5580	11.32	12.00	No
		140	5700	11.08	12.00	No
	802.11ac(VHT40)	102	5510	11.48	12.00	No
		118	5590	11.49	12.00	No
		134	5670	11.25	12.00	No
	802.11ac(VHT80)	106	5530	11.46	12.00	No
		122	5690	11.32	12.00	No
	802.11ac(VHT160)	114	5570	11.22	12.00	No
	802.11ax(HE20)	100	5500	11.08	12.00	No
		116	5580	11.27	12.00	No
		140	5700	11.00	12.00	No
	802.11ax(HE40)	102	5510	10.97	12.10	No
		118	5590	10.97	12.10	No
		134	5670	11.05	12.10	No
	802.11ax(HE80)	106	5530	11.43	12.00	No
		122	5690	11.48	12.00	No
	802.11ax(HE160)	114	5570	11.07	12.00	No

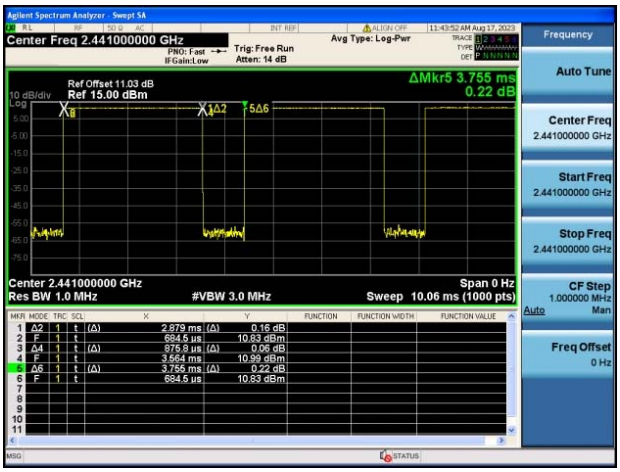
5.8 (5.725~5.850)	802.11a	149	5745	11.53	12.00	No
		157	5785	11.51	12.00	No
		165	5825	11.49	12.00	No
	802.11n(HT20)	149	5745	10.93	12.00	No
		157	5785	11.14	12.00	No
		165	5825	11.18	12.00	No
	802.11n(HT40)	151	5755	11.16	12.00	No
		159	5795	11.62	12.00	No
	802.11ac(VHT20)	149	5745	11.17	12.00	No
		157	5785	11.56	12.00	No
		165	5825	11.35	12.00	No
	802.11ac(VHT40)	151	5755	11.23	12.00	No
		159	5795	11.50	12.00	No
	802.11ac(VHT80)	155	5775	11.44	12.00	No
	802.11ax(HE20)	149	5745	11.60	12.10	No
		157	5785	11.40	12.10	No
		165	5825	11.36	12.10	No
	802.11ax(HE40)	151	5755	10.99	12.00	No
		159	5795	11.39	12.00	No
	802.11ax(HE80)	155	5775	11.45	12.00	No

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

8.10 Bluetooth

The Bluetooth duty cycle GFSK is 76.68 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation. Duty Cycle

GFSK



8.10.1 Bluetooth Ant. 0 Full power

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	10.89	**11.23**	10.81	10.12	10.16	10.15
Tune-Up Limit (dBm)	12.0	12.0	12.0	12.0	12.0	12.0
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	10.12	10.15	10.21	/	/	/
Tune-Up Limit (dBm)	12.0	12.0	12.0	/		
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	5.69	5.56	5.60	6.03	5.81	5.54
Tune-Up Limit (dBm)	7.00	7.00	7.00	7.00	7.00	7.00
SAR Test Require	NO	NO	NO	NO	NO	NO
Note 1: Since Bluetooth BR mode is the maximum output power mode，SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.						

8.10.2 Bluetooth Ant. 12 Full power

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	10.65	**11.02**	10.75	10.01	10.15	10.08
Tune-Up Limit (dBm)	12.0	12.0	12.0	12.0	12.0	12.0
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	10.11	10.05	10.07	/	/	/
Tune-Up Limit (dBm)	12.0	12.0	12.0	/		
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	5.69	5.67	5.98	5.39	5.76	5.76
Tune-Up Limit (dBm)	7.00	7.00	7.00	7.00	7.00	7.00
SAR Test Require	NO	NO	NO	NO	NO	NO
Note 1: Since Bluetooth BR mode is the maximum output power mode，SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode						

8.10.3 Bluetooth Ant. 0 Level1

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	10.89	**11.23**	10.81	10.12	10.16	10.15
Tune-Up Limit (dBm)	12.0	12.0	12.0	12.0	12.0	12.0
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	10.12	10.15	10.21	/	/	/
Tune-Up Limit (dBm)	12.0	12.0	12.0	/		
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	5.69	5.56	5.60	6.03	5.81	5.54
Tune-Up Limit (dBm)	7.00	7.00	7.00	7.00	7.00	7.00
SAR Test Require	NO	NO	NO	NO	NO	NO
Note 1: Since Bluetooth BR mode is the maximum output power mode，SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.						

8.10.4 Bluetooth Ant. 12 Level1

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	10.65	**11.02**	10.75	10.01	10.15	10.08
Tune-Up Limit (dBm)	12.0	12.0	12.0	12.0	12.0	12.0
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	10.11	10.05	10.07	/	/	/
Tune-Up Limit (dBm)	12.0	12.0	12.0	/		
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	5.69	5.67	5.98	5.39	5.76	5.76
Tune-Up Limit (dBm)	7.00	7.00	7.00	7.00	7.00	7.00
SAR Test Require	NO	NO	NO	NO	NO	NO
Note 1: Since Bluetooth BR mode is the maximum output power mode，SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode						

8.10.5 Bluetooth Ant. 0 Level7

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	8.86	**9.21**	8.79	8.33	8.12	8.23
Tune-Up Limit (dBm)	10.0	10.0	10.0	10.0	10.0	10.0
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	8.26	8.11	8.23	/	/	/
Tune-Up Limit (dBm)	10.0	10.0	10.0	/		
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	5.69	5.56	5.60	6.03	5.81	5.54
Tune-Up Limit (dBm)	7.00	7.00	7.00	7.00	7.00	7.00
SAR Test Require	NO	NO	NO	NO	NO	NO
Note 1: Since Bluetooth BR mode is the maximum output power mode，SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.						

8.10.6 Bluetooth Ant. 12 Level7

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
EIRP (dBm)	8.61	**9.05**	8.78	8.33	8.12	8.23
Tune-Up Limit (dBm)	10.0	10.0	10.0	10.0	10.0	10.0
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
EIRP (dBm)	8.24	8.13	8.22	/	/	/
Tune-Up Limit (dBm)	10.0	10.0	10.0	/		
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
EIRP (dBm)	5.69	5.67	5.98	5.39	5.76	5.76
Tune-Up Limit (dBm)	7.00	7.00	7.00	7.00	7.00	7.00
SAR Test Require	NO	NO	NO	NO	NO	NO
Note 1: Since Bluetooth BR mode is the maximum output power mode，SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode						

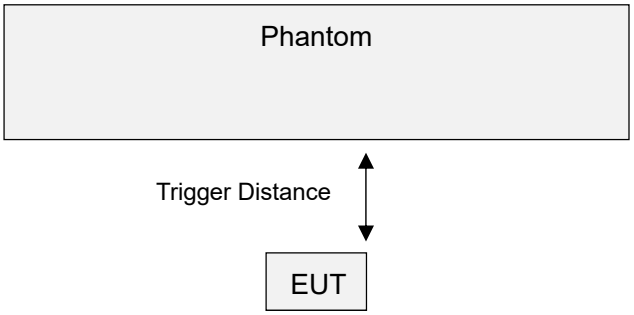
9 PROXIMITY SENSOR TRIGGERING TEST

9.1 Procedures for determining proximity sensor distance

The device uses one proximity sensors to reduce the maximum output power in selected wireless mode and operating configurations to ensure SAR compliance. The sensor implementation can identify and facilitate triggering different max power levels for different scenarios including the device held by hand(Extremity) and different exposure test positions test positions when the device is closed to a user's body.

Proximity sensor triggering distance testing was performed, EUT moving further away from the phantom and EUT moving toward the phantom were both assessed, and the shortest triggering distances were reported and used for SAR assessment. Note that while sensor is failed and it sets the output power to the lowest one in the sensor trigger state ,to make sure the SAR requirements can still be satisfied.

9.1.1 proximity sensor



EUT moving toward Phantom

Distance in mm	1~5	6	7	8	9	10	11~15	16	17	18	19
Front Side	On	On	On	On	On	On	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	Off	Off	Off	Off
Right Edge	On	On	On	On	On	On	On	Off	Off	Off	Off
Top Edge	On	On	On	On	On	On	On	On	Off	Off	Off
Note: Power reduction is only applicable for ANT4											

To ensure all production units are compliant, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, or more if it is necessary, and use the smallest distance for EUT moving toward the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.

ANT4 of proximity sensor

EUT Sides	Additional SAR test Distance in mm
Front Side	10
Back Side	11
Left Edge	11
Bottom Edge	12

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

The influence of EUT tilt angles to proximity sensor triggering was determined by positioning each EUT edge that contains a transmitting antenna 4, perpendicular to the flat phantom, at 12 mm separation for the right edge and 11 mm separation for the Top edge.

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

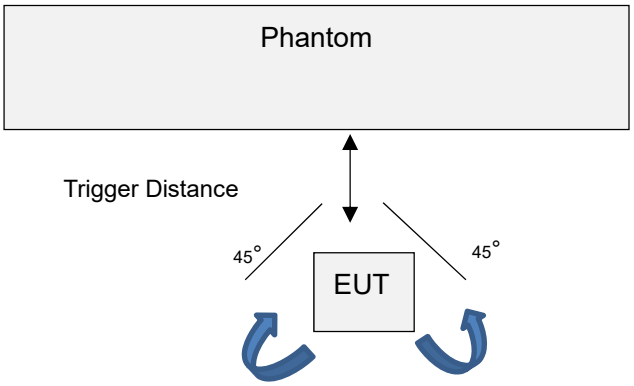
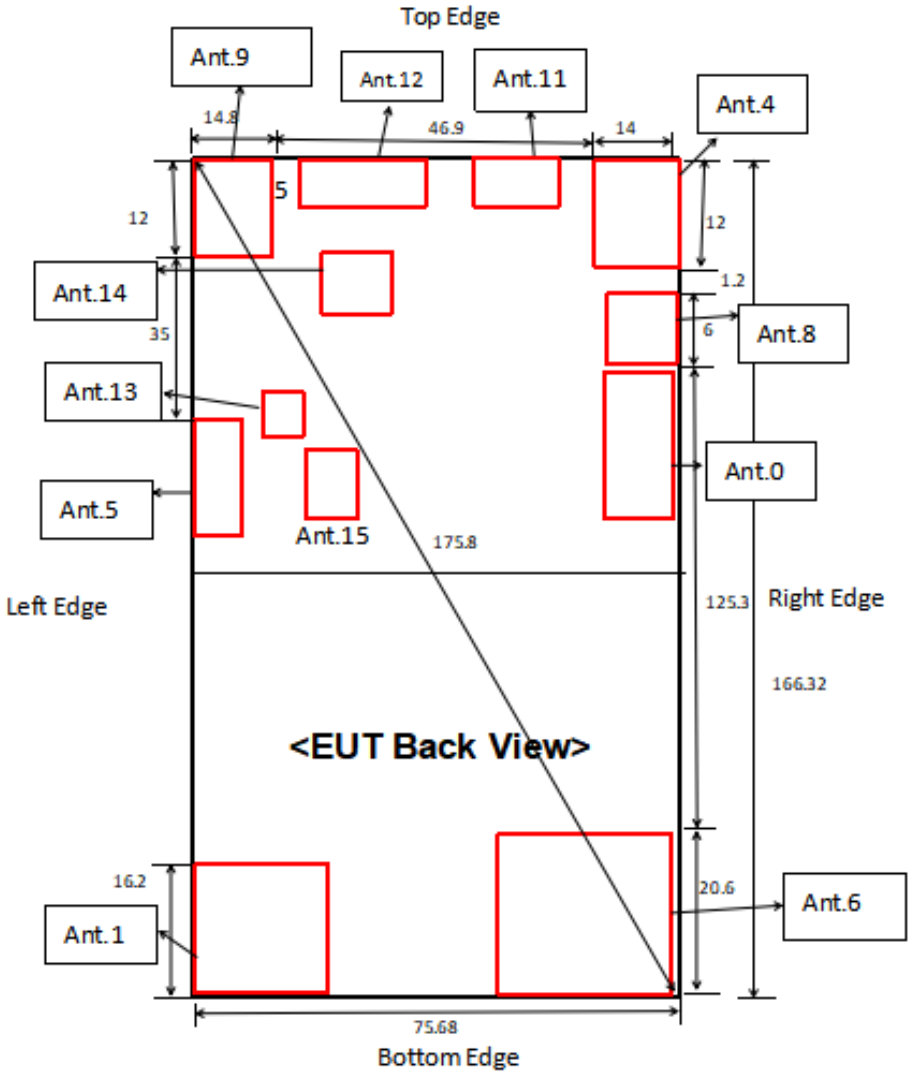


Table: Summary of Phone Tilt Angle Influence to Proximity Sensor Triggering(Left /Top edge)

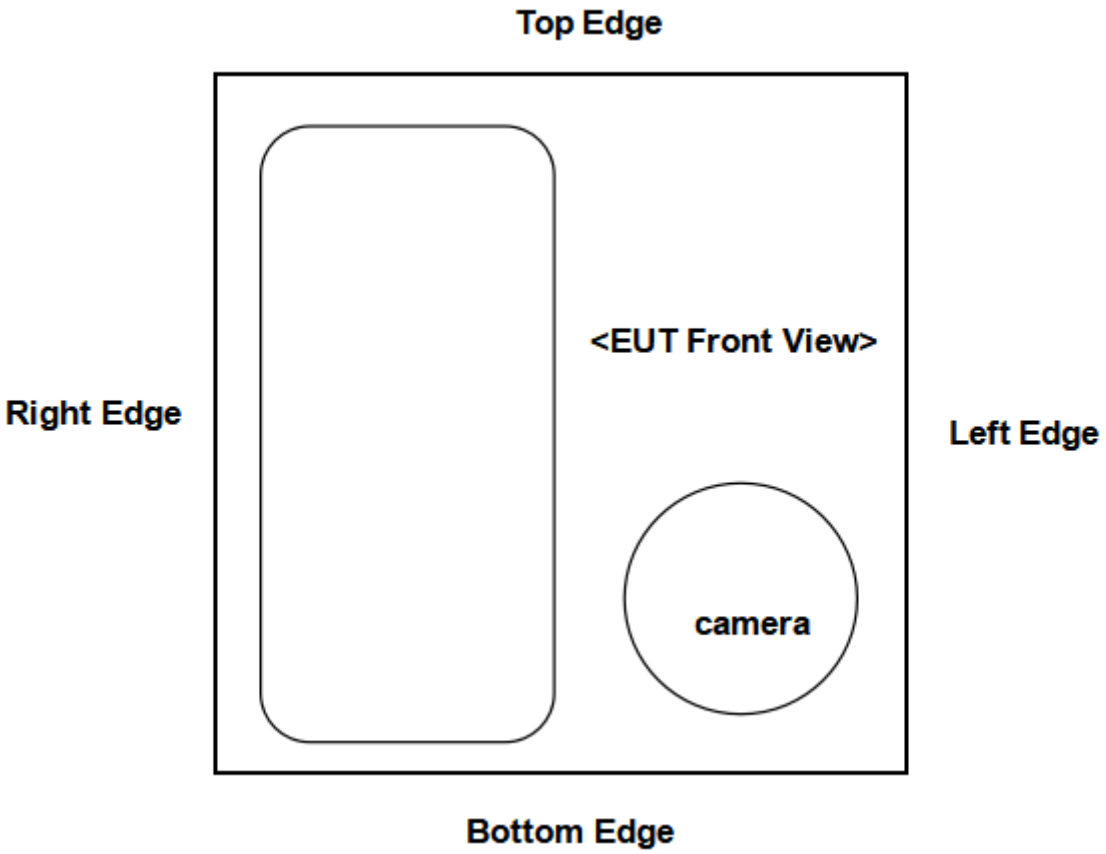
Antenna	Posltion	Minimum trigger distance at which power reduction was maintained over ±45°	Power Reduction Status										
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
ANT4	Top Edge	12mm	on	on	on	on	on	on	on	on	on	on	on
ANT4	Right Edge	11mm	on	on	on	on	on	on	on	on	on	on	on

10 TEST EXCLUSION CONSIDERATION

10.1 Antenna Location (Open)



10.2 Antenna Location（Close）



Antenna	Description	Support Bands
Antenna 0	2/3/4/5G TX Antenna; WLAN 2.4G TX Antenna Bluetooth TX Antenna	GSM 850 WCDMA Band2/4/5 LTE Band5/7/12/17/26 NR Band5/7/12/38/41 WLAN 2.4G Chain1、BT Chain1
Antenna 1	2/3/4/5G TX Antenna	GSM 850 WCDMA Band2/4/5 LTE Band5/12/13/17/26
Antenna 4	2/3/4/5G TX Antenna	GSM 1900 WCDMA Band2/4 LTE Band2/4/7/38/41/66 NR Band2/7/38/41/66
Antenna 5	2/3/4/5G TX Antenna	GSM 1900 WCDMA Band2/4 LTE Band2/4/7/38/41/66

		NR Band2/7/38/41/66
Antenna 6	4/5G TX Antenna	NSA-LTE Band4/7/66 NSA-NR Band7/38/41
Antenna 9	WLAN 5G TX Antenna	WLAN 5G Chain1
Antenna 12	WLAN 2.4G TX Antenna Bluetooth TX Antenna GPS Antenna	WLAN 2.4G Chain0 BT Chain0 GPS
Antenna 13	WLAN 5G TX Antenna	WLAN 5G Chain0
Note1: WWAN TX antennas for certain frequency band can switch automatically, but only one antenna can transmit at same time.		

10.3 SAR Test Exclusion Consideration Table

According with FCC KDB 447498 D04, Appendix B, The SAR-based exemption formula applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold Pth (mW), this Device SAR test configurations consider as following :

DUT Open Status

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge(mm)	Bottom Edge(mm)
ANT0	<25	<25	>25	<25	<25	>25
ANT1	<25	<25	<25	>25	>25	<25
ANT4	<25	<25	>25	<25	<25	>25
ANT5	<25	<25	<25	>25	>25	>25
ANT6	<25	<25	>25	<25	>25	<25
ANT9	<25	<25	<25	>25	<25	>25
ANT12	<25	<25	<25	>25	<25	>25
ANT13	<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.

DUT Close Status

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge(mm)	Bottom Edge(mm)
ANT0	<25	<25	>25	<25	<25	>25
ANT1	<25	<25	<25	>25	>25	<25
ANT4	<25	<25	>25	<25	>25	<25
ANT5	<25	<25	<25	>25	<25	>25
ANT6	<25	<25	>25	<25	>25	<25
ANT9	<25	<25	<25	>25	>25	<25
ANT12	<25	<25	<25	>25	>25	<25
ANT13	<25	<25	<25	>25	<25	>25

Note:

1. Maximum power is the source-based time-average power and represents the maximum RF output power including tune-up tolerance among production units
2. Per KDB 447498 D04, for larger devices, the test separation distance of adjacent edge configuration is determined

by the closest separation between the antenna and the user.

3. Per KDB 447498 D04, standalone SAR test exclusion threshold is applied; If the distance of the antenna to the user is < 5mm, 5mm is used to determine SAR exclusion threshold

4. Per KDB 447498 D04, for separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive), the threshold Pth (mW) is given by Following:

$$P_{th}(mW) = \begin{cases} ERP_{20cm}(d/20cm)^x & d \le 20cm \\ ERP_{20cm} & 20cm < d \le 40cm \end{cases}$$

where

$$x = -log_{10}\left(\frac{60}{ERP_{20cm}\sqrt{f}}\right)$$

a. f(GHz) is the RF channel transmit frequency in GHz

b. d is the separation distance (cm), The result is rounded to one decimal place for comparison

c. ERP_{20cm} are determined by:

$$ERP_{20cm}(mW) = f(x) = \begin{cases} 2040f & 0.3GHz \le f < 1.5GHz \\ 3060 & 1.5GHz \le f \le 6GHz \end{cases}$$

5. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If HSDPA /HSUPA /DC-HSDPA output power is < 0.25dB higher than RMC12.2Kbps, or reported SAR with RMC 12.2kbps setting is ≤ 1.2W/kg, HSDPA/HSUPA/DC-HSDPA SAR evaluation can be excluded.

6. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion.8. For each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4dB higher than those measured at the lowest data rate

7. Per KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions.

a. When KDB Publication 447498 D04 SAR test exclusion applies to the OFDM configuration.

b. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.

8. Per KDB 248227 D01 SAR is not required for the following U-NII-1 and U-NII-2A bands conditions.

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

b. When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.

11 TEST RESULT

11.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.0	State3	DATA 4slots	Left Cheek	0	251	848.8	-0.09	0.251	22.37	23.50	1.297	0.326	/
	State3		Left Tilt	0	251	848.8	0.19	0.112	22.37	23.50	1.297	0.145	/
	State3		Right Cheek	0	251	848.8	0.07	0.514	22.37	23.50	1.297	0.667	1#
	State3		Right Tilt	0	251	848.8	0.08	0.168	22.37	23.50	1.297	0.218	/
	State6	DATA 4slots	Left Cheek	0	251	848.8	-0.12	0.126	19.53	20.50	1.250	0.158	/
	State6		Left Tilt	0	251	848.8	-0.17	0.056	19.53	20.50	1.250	0.070	/
	State6		Right Cheek	0	251	848.8	-0.17	0.291	19.53	20.50	1.250	0.364	/
	State6		Right Tilt	0	251	848.8	-0.03	0.084	19.53	20.50	1.250	0.105	/
Ant.1	State3&6	DATA 4slots	Left Cheek	0	190	836.6	0.16	0.072	28.09	29.30	1.321	0.095	/
	State3&6		Left Tilt	0	190	836.6	0.12	0.035	28.09	29.30	1.321	0.046	/
	State3&6		Right Cheek	0	190	836.6	-0.09	0.046	28.09	29.30	1.321	0.061	/
	State3&6		Right Tilt	0	190	836.6	-0.01	0.021	28.09	29.30	1.321	0.028	/
Body-worn (Open)													
Ant.0	State1	DATA 4slots	Front Side	15	190	836.6	0.03	0.229	28.09	29.00	1.233	0.282	2#
	State1		Back Side	15	190	836.6	0.03	0.207	28.09	29.00	1.233	0.255	/
	State4		Front Side	15	190	836.6	0.11	0.132	24.85	26.00	1.303	0.172	/
	State4		Back Side	15	190	836.6	-0.06	0.104	24.85	26.00	1.303	0.136	/
Ant.1	State1	DATA 4slots	Front Side	15	190	836.6	-0.14	0.198	28.12	29.30	1.312	0.260	/
	State1		Back Side	15	190	836.6	-0.05	0.156	28.12	29.30	1.312	0.205	/
	State4		Front Side	15	190	836.6	0.06	0.111	25.23	26.30	1.279	0.142	/
	State4		Back Side	15	190	836.6	-0.12	0.103	25.23	26.30	1.279	0.132	/
Body-worn (Close)													
Ant.0	State1	DATA 4slots	Front Side	15	190	836.6	0.08	0.095	28.09	29.00	1.233	0.117	/
	State1		Back Side	15	190	836.6	0.12	0.045	28.09	29.00	1.233	0.055	/
	State4	DATA 4slots	Front Side	15	190	836.6	0.15	0.055	24.85	26.00	1.303	0.072	/
	State4		Back Side	15	190	836.6	-0.15	0.023	24.85	26.00	1.303	0.030	/
Ant.1	State1	DATA 4slots	Front Side	15	190	836.6	0.09	0.054	28.12	29.30	1.312	0.071	/
	State1		Back Side	15	190	836.6	0.02	0.100	28.12	29.30	1.312	0.131	/
	State4	DATA 4slots	Front Side	15	190	836.6	0.19	0.027	25.23	26.30	1.279	0.035	/
	State4		Back Side	15	190	836.6	0.05	0.077	25.23	26.30	1.279	0.098	/
Hotspot (Open)													
Ant.0	State4	DATA 4slots	Front Side	10	190	836.6	0.07	0.258	24.85	26.00	1.303	0.336	/
	State4		Back Side	10	190	836.6	-0.19	0.204	24.85	26.00	1.303	0.266	/
	State4		Right Edge	10	190	836.6	0.00	0.378	24.85	26.00	1.303	0.493	3#
	State4		Top Edge	10	190	836.6	0.09	0.037	24.85	26.00	1.303	0.048	/

Ant.1	State4	DATA 4slots	Front Side	10	190	836.6	-0.11	0.194	25.23	26.30	1.279	0.248	/
	State4		Back Side	10	190	836.6	0.00	0.173	25.23	26.30	1.279	0.221	/
	State4		Left Edge	10	190	836.6	-0.01	0.136	25.23	26.30	1.279	0.174	/
	State4		Bottom Edge	10	190	836.6	-0.12	0.157	25.23	26.30	1.279	0.201	/
Hotspot (Close)													
Ant.0	State4	DATA 4slots	Front Side	10	190	836.6	-0.07	0.094	24.85	26.00	1.303	0.122	/
	State4		Back Side	10	190	836.6	0.03	0.032	24.85	26.00	1.303	0.042	/
	State4		Right Edge	10	190	836.6	0.01	0.152	24.85	26.00	1.303	0.198	/
	State4		Top Edge	10	190	836.6	-0.04	0.021	24.85	26.00	1.303	0.027	/
Ant.1	State4	DATA 4slots	Front Side	10	190	836.6	-0.08	0.037	25.23	26.30	1.279	0.047	/
	State4		Back Side	10	190	836.6	0.16	0.120	25.23	26.30	1.279	0.153	/
	State4		Left Edge	10	190	836.6	0.04	0.075	25.23	26.30	1.279	0.096	/
	State4		Bottom Edge	10	190	836.6	0.13	0.085	25.23	26.30	1.279	0.109	/

11.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	State3	DATA 4slots	Left Cheek	0	661	1880	0.04	0.256	20.45	21.80	1.365	0.349	/
	State3		Left Tilt	0	661	1880	0.11	0.332	20.45	21.80	1.365	0.453	/
	State3		Right Cheek	0	661	1880	-0.10	0.588	20.45	21.80	1.365	0.803	/
	State3		Right Tilt	0	661	1880	0.12	0.390	20.45	21.80	1.365	0.532	/
	State3		Right Cheek	0	512	1850.2	0.03	0.537	20.31	21.80	1.409	0.757	/
	State3		Right Cheek	0	810	1909.8	0.09	0.635	20.42	21.80	1.374	0.872	/
	State6	DATA 4slots	Left Cheek	0	661	1880	0.00	0.128	19.32	20.80	1.406	0.180	/
	State6		Left Tilt	0	661	1880	0.19	0.167	19.32	20.80	1.406	0.235	/
	State6		Right Cheek	0	661	1880	0.14	0.291	19.32	20.80	1.406	0.409	/
	State6		Right Tilt	0	661	1880	-0.11	0.196	19.32	20.80	1.406	0.276	/
Ant.5	State3	DATA 4slots	Left Cheek	0	661	1880	0.05	0.389	19.85	21.30	1.396	0.543	/
	State3		Left Tilt	0	661	1880	0.12	0.111	19.85	21.30	1.396	0.155	/
	State3		Right Cheek	0	661	1880	0.02	0.744	19.85	21.30	1.396	1.039	4#
	State3		Right Tilt	0	661	1880	0.07	0.079	19.85	21.30	1.396	0.110	/
	State3		Right Cheek	0	512	1850.2	0.05	0.701	19.67	21.30	1.455	1.020	/
	State3		Right Cheek	0	810	1909.8	0.06	0.711	19.82	21.30	1.406	1.000	/
Ant.5	State6	DATA 4slots	Left Cheek	0	661	1880	-0.18	0.195	18.37	19.80	1.390	0.271	/
	State6		Left Tilt	0	661	1880	0.10	0.056	18.37	19.80	1.390	0.078	/
	State6		Right Cheek	0	661	1880	-0.01	0.371	18.37	19.80	1.390	0.516	/
	State6		Right Tilt	0	661	1880	0.03	0.039	18.37	19.80	1.390	0.054	/
Body-worn (Open)													
Ant.4	State1	DATA 4slots	Front Side	15	661	1880	-0.11	0.109	24.33	25.80	1.403	0.153	/
	State1		Back Side	15	661	1880	-0.01	0.138	24.33	25.80	1.403	0.194	5#
	State4		Front Side	15	661	1880	-0.18	0.055	21.25	22.80	1.429	0.079	/
	State4		Back Side	15	661	1880	-0.19	0.073	21.25	22.80	1.429	0.104	/
Ant.5	State1	DATA 4slots	Front Side	15	661	1880	-0.05	0.119	22.96	24.30	1.361	0.162	/
	State1		Back Side	15	661	1880	0.16	0.133	22.96	24.30	1.361	0.181	/
	State4		Front Side	15	661	1880	-0.13	0.060	19.85	21.30	1.396	0.084	/
	State4		Back Side	15	661	1880	0.08	0.067	19.85	21.30	1.396	0.094	/
Body-worn (Close)													
Ant.4	State1	DATA 4slots	Front Side	15	661	1880	0.01	0.116	24.33	25.80	1.403	0.163	/
	State1		Back Side	15	661	1880	-0.02	0.058	24.33	25.80	1.403	0.081	/
	State4		Front Side	15	661	1880	0.19	0.048	21.25	22.80	1.429	0.069	/
	State4		Back Side	15	661	1880	-0.16	0.029	21.25	22.80	1.429	0.041	/
Ant.5	State1	DATA 4slots	Front Side	15	661	1880	0.10	0.083	22.96	24.30	1.361	0.113	/
	State1		Back Side	15	661	1880	-0.18	0.032	22.96	24.30	1.361	0.044	/

	State4	DATA 4slots	Front Side	15	661	1880	-0.17	0.042	19.85	21.30	1.396	0.059	/
	State4		Back Side	15	661	1880	-0.08	0.016	19.85	21.30	1.396	0.022	/
Hotspot (Open)													
Ant.4	State4	DATA 4slots	Front Side	10	661	1880	0.13	0.095	21.25	22.80	1.429	0.136	/
	State4		Back Side	10	661	1880	-0.05	0.101	21.25	22.80	1.429	0.144	/
	State4		Right Edge	10	661	1880	-0.03	0.062	21.25	22.80	1.429	0.089	/
	State4		Top Edge	10	661	1880	0.02	0.304	21.25	22.80	1.429	0.434	6#
Ant.5	State4	DATA 4slots	Front Side	10	661	1880	-0.07	0.127	19.85	21.30	1.396	0.177	/
	State4		Back Side	10	661	1880	-0.06	0.138	19.85	21.30	1.396	0.193	/
	State4		Left Edge	10	661	1880	0.09	0.219	19.85	21.30	1.396	0.306	/
	State4		Front Side	10	661	1880	0.13	0.095	21.25	22.80	1.429	0.136	/
Hotspot (Close)													
Ant.4	State4	DATA 4slots	Front Side	10	661	1880	-0.18	0.086	21.25	22.80	1.429	0.123	/
	State4		Back Side	10	661	1880	0.14	0.056	21.25	22.80	1.429	0.080	/
	State4	DATA 4slots	Right Edge	10	661	1880	-0.03	0.122	21.25	22.80	1.429	0.174	/
	State4		Bottom Edge	10	661	1880	0.02	0.253	21.25	22.80	1.429	0.362	/
Ant.5	State4	DATA 4slots	Front Side	10	661	1880	-0.04	0.086	19.85	21.30	1.396	0.120	/
	State4		Back Side	10	661	1880	0.05	0.029	19.85	21.30	1.396	0.040	/
	State4	DATA 4slots	Left Edge	10	661	1880	-0.01	0.260	19.85	21.30	1.396	0.363	/
	State4		Top Edge	10	661	1880	0.03	0.056	19.85	21.30	1.396	0.078	/
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Sensor n-1 (Open)													
Ant.4	Full Power	DATA 4slots	Front Side	9	661	1880	0.03	0.136	24.33	25.80	1.403	0.191	/
	Full Power		Back Side	10	661	1880	-0.03	0.122	24.33	25.80	1.403	0.171	/
	Full Power		Right Edge	10	661	1880	0.04	0.068	24.33	25.80	1.403	0.095	/
	Full Power		Top Edge	11	661	1880	0.11	0.304	24.33	25.80	1.403	0.427	/
Sensor n-1 (Close)													
Ant.4	Full Power	DATA 4slots	Front Side	9	661	1880	0.02	0.116	24.33	25.80	1.403	0.163	/
	Full Power		Back Side	10	661	1880	0.07	0.051	24.33	25.80	1.403	0.072	/
	Full Power		Right Edge	10	661	1880	-0.05	0.041	24.33	25.80	1.403	0.058	/
	Full Power		Bottom Edge	11	661	1880	-0.13	0.228	24.33	25.80	1.403	0.320	/

11.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	State3	RMC	Left Cheek	0	9400	1880	0.16	0.348	18.41	19.30	1.227	0.427	/
	State3		Left Tilt	0	9400	1880	-0.17	0.493	18.41	19.30	1.227	0.605	/
	State3		Right Cheek	0	9400	1880	0.07	0.835	18.41	19.30	1.227	1.025	/
	State3		Right Tilt	0	9400	1880	-0.13	0.547	18.41	19.30	1.227	0.671	/
	State3		Right Cheek	0	9262	1852.4	-0.04	0.689	18.26	19.30	1.271	0.876	/
	State3		Right Cheek	0	9538	1907.6	0.00	0.934	18.37	19.30	1.239	1.157	7#
	State6	RMC	Left Cheek	0	9400	1880	-0.17	0.174	15.39	16.30	1.233	0.215	/
	State6		Left Tilt	0	9400	1880	-0.19	0.247	15.39	16.30	1.233	0.305	/
	State6		Right Cheek	0	9400	1880	-0.12	0.418	15.39	16.30	1.233	0.515	/
	State6		Right Tilt	0	9400	1880	0.05	0.274	15.39	16.30	1.233	0.338	/
Ant.5	State3	RMC	Left Cheek	0	9400	1880	-0.05	0.299	17.39	18.30	1.233	0.369	/
	State3		Left Tilt	0	9400	1880	-0.01	0.102	17.39	18.30	1.233	0.126	/
	State3		Right Cheek	0	9400	1880	0.03	0.742	17.39	18.30	1.233	0.915	/
	State3		Right Tilt	0	9400	1880	0.06	0.085	17.39	18.30	1.233	0.105	/
	State3		Right Cheek	0	9262	1852.4	0.19	0.742	17.38	18.30	1.236	0.917	/
	State3		Right Cheek	0	9538	1907.6	-0.09	0.712	17.31	18.30	1.256	0.894	/
Ant.5	State6	RMC	Left Cheek	0	9400	1880	0.05	0.150	14.51	15.30	1.199	0.180	/
	State6		Left Tilt	0	9400	1880	0.05	0.051	14.51	15.30	1.199	0.061	/
	State6		Right Cheek	0	9400	1880	0.14	0.372	14.51	15.30	1.199	0.446	/
	State6		Right Tilt	0	9400	1880	-0.12	0.043	14.51	15.30	1.199	0.052	/
Body-worn (Open)													
Ant.4	State1	RMC	Front Side	15	9400	1880	0.13	0.186	22.39	23.30	1.233	0.229	/
	State1		Back Side	15	9400	1880	0.00	0.222	22.39	23.30	1.233	0.274	8#
	State4	RMC	Front Side	15	9400	1880	0.01	0.093	19.43	20.30	1.222	0.114	/
	State4		Back Side	15	9400	1880	-0.13	0.115	19.43	20.30	1.222	0.141	/
Ant.5	State1	RMC	Front Side	15	9400	1880	0.19	0.178	22.24	22.80	1.138	0.203	/
	State1		Back Side	15	9400	1880	0.02	0.200	22.24	22.80	1.138	0.228	/
	State4	RMC	Front Side	15	9400	1880	0.09	0.089	19.15	19.80	1.161	0.103	/
	State4		Back Side	15	9400	1880	0.17	0.100	19.15	19.80	1.161	0.116	/
Body-worn (Close)													
Ant.4	State1	RMC	Front Side	15	9400	1880	-0.01	0.153	22.39	23.30	1.233	0.189	/
	State1		Back Side	15	9400	1880	0.00	0.079	22.39	23.30	1.233	0.097	/
	State4	RMC	Front Side	15	9400	1880	-0.14	0.078	19.43	20.30	1.222	0.095	/
	State4		Back Side	15	9400	1880	0.11	0.040	19.43	20.30	1.222	0.049	/
Ant.5	State1	RMC	Front Side	15	9400	1880	-0.05	0.129	22.24	22.80	1.138	0.147	/
	State1		Back Side	15	9400	1880	-0.16	0.034	22.24	22.80	1.138	0.039	/
	State4	RMC	Front Side	15	9400	1880	0.09	0.065	19.15	19.80	1.161	0.075	/

	State4		Back Side	15	9400	1880	0.16	0.017	19.15	19.80	1.161	0.020	/
Hotspot (Open)													
Ant.4	State4	RMC	Front Side	10	9400	1880	0.18	0.098	19.43	20.30	1.222	0.120	/
	State4		Back Side	10	9400	1880	0.00	0.123	19.43	20.30	1.222	0.150	/
	State4		Right Edge	10	9400	1880	0.16	0.087	19.43	20.30	1.222	0.106	/
	State4		Top Edge	10	9400	1880	0.00	0.388	19.43	20.30	1.222	0.474	9#
Ant.5	State4	RMC	Front Side	10	9400	1880	0.17	0.182	19.15	19.80	1.161	0.211	/
	State4	RMC	Back Side	10	9400	1880	0.02	0.199	19.15	19.80	1.161	0.231	/
	State4		Left Edge	10	9400	1880	-0.12	0.307	19.15	19.80	1.161	0.356	/
	State4		Front Side	10	9400	1880	0.18	0.098	19.43	20.30	1.222	0.120	/
Hotspot (Close)													
Ant.4	State4	RMC	Front Side	10	9400	1880	0.06	0.112	19.43	20.30	1.222	0.137	/
	State4		Back Side	10	9400	1880	0.15	0.046	19.43	20.30	1.222	0.056	/
	State4		Right Edge	10	9400	1880	0.01	0.043	19.43	20.30	1.222	0.053	/
	State4		Bottom Edge	10	9400	1880	-0.06	0.285	19.43	20.30	1.222	0.348	/
Ant.5	State4	RMC	Front Side	10	9400	1880	0.02	0.153	19.15	19.80	1.161	0.178	/
	State4		Back Side	10	9400	1880	-0.19	0.046	19.15	19.80	1.161	0.053	/
	State4		Left Edge	10	9400	1880	0.02	0.303	19.15	19.80	1.161	0.352	/
	State4		Top Edge	10	9400	1880	-0.19	0.021	19.15	19.80	1.161	0.024	/
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Sensor n-1 (Open)													
Ant.4	Full Power	RMC	Front Side	9	9400	1880	0.11	0.289	23.57	24.30	1.183	0.342	/
	Full Power		Back Side	10	9400	1880	-0.14	0.246	23.57	24.30	1.183	0.291	/
	Full Power		Right Edge	10	9400	1880	0.06	0.148	23.57	24.30	1.183	0.175	/
	Full Power		Top Edge	11	9400	1880	-0.18	0.586	23.57	24.30	1.183	0.693	/
Sensor n-1 (Close)													
Ant.4	Full Power	RMC	Front Side	9	9400	1880	-0.14	0.274	23.57	24.30	1.183	0.324	/
	Full Power		Back Side	10	9400	1880	-0.16	0.098	23.57	24.30	1.183	0.116	/
	Full Power		Right Edge	10	9400	1880	0.10	0.096	23.57	24.30	1.183	0.114	/
	Full Power		Bottom Edge	11	9400	1880	-0.09	0.439	23.57	24.30	1.183	0.519	/

11.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	State3	RMC	Left Cheek	0	1312	1712.4	-0.09	0.429	18.93	19.70	1.194	0.512	/
	State3		Left Tilt	0	1312	1712.4	0.04	0.536	18.93	19.70	1.194	0.640	/
	State3		Right Cheek	0	1312	1712.4	0.12	0.848	18.93	19.70	1.194	1.013	/
	State3		Right Tilt	0	1312	1712.4	0.18	0.667	18.93	19.70	1.194	0.796	/
	State3		Right Cheek	0	1412	1732.4	-0.02	0.944	18.90	19.70	1.202	1.135	/
	State3		Right Cheek	0	1513	1752.6	0.01	0.994	18.92	19.70	1.197	1.190	10#
	State6	RMC	Left Cheek	0	1312	1712.4	-0.07	0.215	15.99	16.70	1.178	0.253	/
	State6		Left Tilt	0	1312	1712.4	0.09	0.269	15.99	16.70	1.178	0.317	/
	State6		Right Cheek	0	1312	1712.4	0.11	0.455	15.99	16.70	1.178	0.536	/
	State6		Right Tilt	0	1312	1712.4	-0.18	0.334	15.99	16.70	1.178	0.393	/
Ant.5	State3&6	RMC	Left Cheek	0	1312	1712.4	-0.12	0.147	22.25	22.70	1.109	0.163	/
	State3&6		Left Tilt	0	1312	1712.4	-0.19	0.056	22.25	22.70	1.109	0.062	/
	State3&6		Right Cheek	0	1312	1712.4	-0.01	0.315	22.25	22.70	1.109	0.349	/
	State3&6		Right Tilt	0	1312	1712.4	-0.08	0.123	22.25	22.70	1.109	0.136	/
Body-worn (Open)													
Ant.4	State1	RMC	Front Side	15	1312	1712.4	0.19	0.226	22.39	23.20	1.205	0.272	/
	State1		Back Side	15	1312	1712.4	0.02	0.238	22.39	23.20	1.205	0.287	11#
	State4	RMC	Front Side	15	1312	1712.4	0.08	0.113	19.45	20.20	1.189	0.134	/
	State4		Back Side	15	1312	1712.4	0.09	0.118	19.45	20.20	1.189	0.140	/
Ant.5	State1	RMC	Front Side	15	1312	1712.4	0.01	0.098	22.25	22.70	1.109	0.109	/
	State1		Back Side	15	1312	1712.4	0.12	0.125	22.25	22.70	1.109	0.139	/
	State4	RMC	Front Side	15	1312	1712.4	-0.02	0.046	19.19	19.70	1.125	0.052	/
	State4		Back Side	15	1312	1712.4	-0.07	0.058	19.19	19.70	1.125	0.065	/
Body-worn (Close)													
Ant.4	State1	RMC	Front Side	15	1312	1712.4	-0.01	0.178	22.39	23.20	1.205	0.214	/
	State1		Back Side	15	1312	1712.4	-0.08	0.071	22.39	23.20	1.205	0.086	/
	State4	RMC	Front Side	15	1312	1712.4	0.17	0.087	19.45	20.20	1.189	0.103	/
	State4		Back Side	15	1312	1712.4	0.02	0.036	19.45	20.20	1.189	0.043	/
Ant.5	State1	RMC	Front Side	15	1312	1712.4	-0.06	0.067	22.25	22.70	1.109	0.074	/
	State1		Back Side	15	1312	1712.4	-0.12	0.023	22.25	22.70	1.109	0.026	/
	State4	RMC	Front Side	15	1312	1712.4	-0.03	0.031	19.19	19.70	1.125	0.035	/
	State4		Back Side	15	1312	1712.4	-0.18	0.011	19.19	19.70	1.125	0.012	/
Hotspot (Open)													
Ant.4	State4	RMC	Front Side	10	1312	1712.4	-0.03	0.141	19.45	20.20	1.189	0.168	/
	State4		Back Side	10	1312	1712.4	-0.15	0.145	19.45	20.20	1.189	0.172	/
	State4		Right Edge	10	1312	1712.4	0.15	0.090	19.45	20.20	1.189	0.107	/

	State4		Top Edge	10	1312	1712.4	-0.02	0.327	19.45	20.20	1.189	0.389	12#
Ant.5	State4	RMC	Front Side	10	1312	1712.4	0.08	0.156	19.19	19.70	1.125	0.176	/
	State4		Back Side	10	1312	1712.4	0.16	0.207	19.19	19.70	1.125	0.233	/
	State4	RMC	Left Edge	10	1312	1712.4	0.13	0.256	19.19	19.70	1.125	0.288	/
	State4		Front Side	10	1312	1712.4	-0.03	0.141	19.45	20.20	1.189	0.168	/
Hotspot (Close)													
Ant.4	State4	RMC	Front Side	10	1312	1712.4	0.03	0.212	19.45	20.20	1.189	0.252	/
	State4		Back Side	10	1312	1712.4	-0.15	0.071	19.45	20.20	1.189	0.084	/
	State4		Right Edge	10	1312	1712.4	-0.11	0.129	19.45	20.20	1.189	0.153	/
	State4		Bottom Edge	10	1312	1712.4	0.15	0.209	19.45	20.20	1.189	0.249	/
Ant.5	State4	RMC	Front Side	10	1312	1712.4	-0.18	0.093	19.19	19.70	1.125	0.105	/
	State4		Back Side	10	1312	1712.4	0.09	0.033	19.19	19.70	1.125	0.037	/
	State4		Left Edge	10	1312	1712.4	0.18	0.196	19.19	19.70	1.125	0.221	/
	State4		Top Edge	10	1312	1712.4	0.18	0.052	19.19	19.70	1.125	0.059	/
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Sensor n-1 (Open)													
Ant.4	Full Power	RMC	Front Side	9	1513	1752.6	0.08	0.305	23.58	24.20	1.153	0.352	/
	Full Power		Back Side	10	1513	1752.6	0.05	0.244	23.58	24.20	1.153	0.281	/
	Full Power		Right Edge	10	1513	1752.6	0.12	0.175	23.58	24.20	1.153	0.202	/
	Full Power		Top Edge	11	1513	1752.6	0.04	0.515	23.58	24.20	1.153	0.594	/
Sensor n-1 (Close)													
Ant.4	Full Power	RMC	Front Side	9	1513	1752.6	0.01	0.280	23.58	24.20	1.153	0.323	/
	Full Power		Back Side	10	1513	1752.6	0.15	0.073	23.58	24.20	1.153	0.084	/
	Full Power		Right Edge	10	1513	1752.6	0.19	0.124	23.58	24.20	1.153	0.143	/
	Full Power		Bottom Edge	11	1513	1752.6	-0.16	0.390	23.58	24.20	1.153	0.450	/

11.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.0	State3	RMC	Left Cheek	0	4182	836.4	0.19	0.217	18.45	19.70	1.334	0.289	/
	State3		Left Tilt	0	4182	836.4	0.02	0.082	18.45	19.70	1.334	0.109	/
	State3		Right Cheek	0	4182	836.4	0.08	0.544	18.45	19.70	1.334	0.726	13#
	State3		Right Tilt	0	4182	836.4	0.15	0.139	18.45	19.70	1.334	0.185	/
	State6	RMC	Left Cheek	0	4182	836.4	-0.17	0.131	15.51	16.70	1.315	0.172	/
	State6		Left Tilt	0	4182	836.4	0.05	0.050	15.51	16.70	1.315	0.066	/
	State6		Right Cheek	0	4182	836.4	0.14	0.326	15.51	16.70	1.315	0.429	/
	State6		Right Tilt	0	4182	836.4	-0.17	0.084	15.51	16.70	1.315	0.110	/
Ant.1	State3&6	RMC	Left Cheek	0	4182	836.4	0.03	0.068	24.18	25.00	1.208	0.082	/
	State3&6		Left Tilt	0	4182	836.4	0.15	0.034	24.18	25.00	1.208	0.041	/
	State3&6		Right Cheek	0	4182	836.4	-0.03	0.047	24.18	25.00	1.208	0.057	/
	State3&6		Right Tilt	0	4182	836.4	-0.04	0.025	24.18	25.00	1.208	0.030	/
Body-worn (Open)													
Ant.0	State1	RMC	Front Side	15	4182	836.4	0.02	0.234	23.91	24.70	1.199	0.281	14#
	State1		Back Side	15	4182	836.4	-0.13	0.158	23.91	24.70	1.199	0.189	/
	State4	RMC	Front Side	15	4182	836.4	-0.13	0.101	20.49	21.70	1.321	0.133	/
	State4		Back Side	15	4182	836.4	-0.04	0.079	20.49	21.70	1.321	0.104	/
Ant.1	State1	RMC	Front Side	15	4182	836.4	0.13	0.184	24.18	25.00	1.208	0.222	/
	State1		Back Side	15	4182	836.4	-0.15	0.180	24.18	25.00	1.208	0.217	/
	State4	RMC	Front Side	15	4182	836.4	0.04	0.092	20.95	22.00	1.274	0.117	/
	State4		Back Side	15	4182	836.4	-0.04	0.090	20.95	22.00	1.274	0.115	/
Body-worn (Close)													
Ant.0	State1	RMC	Front Side	15	4182	836.4	0.00	0.096	23.91	24.70	1.199	0.115	/
	State1		Back Side	15	4182	836.4	-0.19	0.054	23.91	24.70	1.199	0.065	/
	State4	RMC	Front Side	15	4182	836.4	-0.14	0.039	20.49	21.70	1.321	0.052	/
	State4		Back Side	15	4182	836.4	-0.01	0.023	20.49	21.70	1.321	0.030	/
Ant.1	State1	RMC	Front Side	15	4182	836.4	0.00	0.051	24.18	25.00	1.208	0.062	/
	State1		Back Side	15	4182	836.4	-0.18	0.084	24.18	25.00	1.208	0.101	/
	State4	RMC	Front Side	15	4182	836.4	-0.14	0.026	20.95	22.00	1.274	0.033	/
	State4		Back Side	15	4182	836.4	-0.18	0.042	20.95	22.00	1.274	0.054	/
Hotspot (Open)													
Ant.0	State4	RMC	Front Side	10	4182	836.4	0.16	0.272	20.49	21.70	1.321	0.359	/
	State4		Back Side	10	4182	836.4	0.07	0.185	20.49	21.70	1.321	0.244	/
	State4		Right Edge	10	4182	836.4	-0.02	0.336	20.49	21.70	1.321	0.444	15#
	State4		Top Edge	10	4182	836.4	0.06	0.038	20.49	21.70	1.321	0.050	/
Ant.1	State4	RMC	Front Side	10	4182	836.4	-0.17	0.148	20.95	22.00	1.274	0.189	/

	State4		Back Side	10	4182	836.4	0.05	0.137	20.95	22.00	1.274	0.175	/
	State4		Left Edge	10	4182	836.4	-0.17	0.095	20.95	22.00	1.274	0.121	/
	State4		Bottom Edge	10	4182	836.4	0.03	0.106	20.95	22.00	1.274	0.135	/
Hotspot (Close)													
Ant.0	State4	RMC	Front Side	10	4182	836.4	0.10	0.092	20.49	21.70	1.321	0.122	/
	State4		Back Side	10	4182	836.4	0.08	0.036	20.49	21.70	1.321	0.048	/
	State4		Right Edge	10	4182	836.4	0.03	0.189	20.49	21.70	1.321	0.250	/
	State4		Top Edge	10	4182	836.4	-0.15	0.023	20.49	21.70	1.321	0.030	/
Ant.1	State4	RMC	Front Side	10	4182	836.4	0.15	0.035	20.95	22.00	1.274	0.045	/
	State4		Back Side	10	4182	836.4	-0.03	0.110	20.95	22.00	1.274	0.140	/
	State4		Left Edge	10	4182	836.4	0.06	0.066	20.95	22.00	1.274	0.084	/
	State4		Bottom Edge	10	4182	836.4	0.17	0.078	20.95	22.00	1.274	0.099	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.6 LTE 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.4	State3	QPSK	Left Cheek	0	19100	1900	1	HIGH	0.02	0.237	16.92	17.80	1.225	0.290	/
	State3		Left Tilt	0	19100	1900	1	HIGH	0.03	0.325	16.92	17.80	1.225	0.398	/
	State3		Right Cheek	0	19100	1900	1	HIGH	0.01	0.591	16.92	17.80	1.225	0.724	/
	State3		Right Tilt	0	19100	1900	1	HIGH	-0.11	0.351	16.92	17.80	1.225	0.430	/
	State3		Left Cheek	0	19100	1900	50	HIGH	-0.05	0.232	16.95	17.80	1.216	0.282	/
	State3		Left Tilt	0	19100	1900	50	HIGH	0.14	0.325	16.95	17.80	1.216	0.395	/
	State3		Right Cheek	0	19100	1900	50	HIGH	-0.12	0.517	16.95	17.80	1.216	0.629	/
	State3		Right Tilt	0	19100	1900	50	HIGH	0.06	0.338	16.95	17.80	1.216	0.411	/
Ant.4	State6	QPSK	Left Cheek	0	19100	1900	1	LOW	0.08	0.188	15.69	16.80	1.291	0.243	/
	State6		Left Tilt	0	19100	1900	1	LOW	-0.14	0.258	15.69	16.80	1.291	0.333	/
	State6		Right Cheek	0	19100	1900	1	LOW	0.11	0.414	15.69	16.80	1.291	0.534	/
	State6		Right Tilt	0	19100	1900	1	LOW	0.00	0.279	15.69	16.80	1.291	0.360	/
	State6		Left Cheek	0	19100	1900	50	LOW	-0.16	0.184	15.83	16.80	1.250	0.230	/
	State6		Left Tilt	0	19100	1900	50	LOW	0.12	0.258	15.83	16.80	1.250	0.323	/
	State6		Right Cheek	0	19100	1900	50	LOW	0.09	0.410	15.83	16.80	1.250	0.513	/
	State6		Right Tilt	0	19100	1900	50	LOW	0.00	0.269	15.83	16.80	1.250	0.336	/
Ant.5	State3	QPSK	Left Cheek	0	18900	1880	1	LOW	-0.17	0.432	18.89	19.80	1.233	0.533	/
	State3		Left Tilt	0	18900	1880	1	LOW	-0.03	0.142	18.89	19.80	1.233	0.175	/
	State3		Right Cheek	0	18900	1880	1	LOW	-0.01	0.861	18.89	19.80	1.233	1.062	16#
	State3		Right Tilt	0	18900	1880	1	LOW	-0.08	0.114	18.89	19.80	1.233	0.141	/
	State3		Left Cheek	0	18900	1880	50	LOW	0.06	0.412	18.88	19.80	1.236	0.509	/
	State3		Left Tilt	0	18900	1880	50	LOW	0.05	0.125	18.88	19.80	1.236	0.155	/
	State3		Right Cheek	0	18900	1880	50	LOW	0.16	0.825	18.88	19.80	1.236	1.020	/
	State3		Right Tilt	0	18900	1880	50	LOW	0.04	0.136	18.88	19.80	1.236	0.168	/
	State3		Right Cheek	0	18700	1880	1	HIGH	0.02	0.823	18.88	19.80	1.236	1.017	/
	State3		Right Cheek	0	19100	1900	1	LOW	0.11	0.806	18.62	19.80	1.312	1.057	/
	State3		Right Cheek	0	18700	1880	50	HIGH	-0.12	0.805	18.83	19.80	1.250	1.006	/
	State3		Right Cheek	0	19100	1900	50	LOW	0.14	0.798	18.65	19.80	1.303	1.040	/
	State3		Right Cheek	0	18900	1880	100	LOW	-0.13	0.799	18.87	19.80	1.239	0.990	/
Ant.5	State6	QPSK	Left Cheek	0	18900	1880	1	HIGH	0.05	0.217	15.86	16.80	1.242	0.270	/
	State6		Left Tilt	0	18900	1880	1	HIGH	0.11	0.071	15.86	16.80	1.242	0.088	/
	State6		Right Cheek	0	18900	1880	1	HIGH	0.18	0.434	15.86	16.80	1.242	0.539	/
	State6		Right Tilt	0	18900	1880	1	HIGH	0.08	0.057	15.86	16.80	1.242	0.071	/
	State6		Left Cheek	0	18900	1880	50	LOW	-0.12	0.176	15.90	16.80	1.230	0.216	/
	State6		Left Tilt	0	18900	1880	50	LOW	-0.02	0.058	15.90	16.80	1.230	0.071	/
	State6		Right Cheek	0	18900	1880	50	LOW	-0.19	0.347	15.90	16.80	1.230	0.427	/

	State6		Right Tilt	0	18900	1880	50	LOW	-0.08	0.056	15.90	16.80	1.230	0.069	/
Body-worn (Open)															
Ant.4	State1	QPSK	Front Side	15	19100	1900	1	HIGH	-0.06	0.087	20.87	21.80	1.239	0.108	/
	State1		Back Side	15	19100	1900	1	HIGH	-0.07	0.105	20.87	21.80	1.239	0.130	/
	State1		Front Side	15	19100	1900	50	HIGH	-0.13	0.079	20.88	21.80	1.236	0.098	/
	State1		Back Side	15	19100	1900	50	HIGH	-0.19	0.085	20.88	21.80	1.236	0.105	/
Ant.4	State4	QPSK	Front Side	15	19100	1900	1	LOW	-0.07	0.044	17.69	18.80	1.291	0.057	/
	State4		Back Side	15	19100	1900	1	LOW	-0.01	0.053	17.69	18.80	1.291	0.068	/
	State4		Front Side	15	19100	1900	50	LOW	-0.08	0.040	17.81	18.80	1.256	0.050	/
	State4		Back Side	15	19100	1900	50	LOW	-0.05	0.043	17.81	18.80	1.256	0.054	/
Ant.5	State1	QPSK	Front Side	15	19100	1900	1	LOW	-0.12	0.201	21.93	22.30	1.089	0.219	/
	State1		Back Side	15	19100	1900	1	LOW	-0.01	0.251	21.93	22.30	1.089	0.273	17#
	State1		Front Side	15	19100	1900	50	LOW	0.13	0.163	20.91	21.30	1.094	0.178	/
	State1		Back Side	15	19100	1900	50	LOW	-0.03	0.167	20.91	21.30	1.094	0.183	/
Ant.5	State4	QPSK	Front Side	15	19100	1900	1	MID	-0.05	0.101	18.41	19.30	1.227	0.124	/
	State4		Back Side	15	19100	1900	1	MID	-0.19	0.104	18.41	19.30	1.227	0.128	/
	State4		Front Side	15	19100	1900	50	HIGH	0.10	0.082	18.39	19.30	1.233	0.101	/
	State4		Back Side	15	19100	1900	50	HIGH	-0.13	0.084	18.39	19.30	1.233	0.104	/
Body-worn Close)															
Ant.4	State1	QPSK	Front Side	15	19100	1900	1	HIGH	-0.01	0.150	20.87	21.80	1.239	0.186	/
	State1		Back Side	15	19100	1900	1	HIGH	-0.03	0.052	20.87	21.80	1.239	0.064	/
	State1		Front Side	15	19100	1900	50	HIGH	-0.12	0.078	20.88	21.80	1.236	0.096	/
	State1		Back Side	15	19100	1900	50	HIGH	0.12	0.044	20.88	21.80	1.236	0.054	/
Ant.4	State4	QPSK	Front Side	15	19100	1900	1	LOW	0.07	0.060	17.69	18.80	1.291	0.077	/
	State4		Back Side	15	19100	1900	1	LOW	-0.10	0.026	17.69	18.80	1.291	0.034	/
	State4		Front Side	15	19100	1900	50	LOW	0.02	0.039	17.81	18.80	1.256	0.049	/
	State4		Back Side	15	19100	1900	50	LOW	-0.02	0.022	17.81	18.80	1.256	0.028	/
Ant.5	State1	QPSK	Front Side	15	19100	1900	1	LOW	-0.09	0.123	21.93	22.30	1.089	0.134	/
	State1		Back Side	15	19100	1900	1	LOW	0.12	0.043	21.93	22.30	1.089	0.047	/
	State1		Front Side	15	19100	1900	50	LOW	-0.16	0.098	20.91	21.30	1.094	0.107	/
	State1		Back Side	15	19100	1900	50	LOW	0.06	0.036	20.91	21.30	1.094	0.039	/
Ant.5	State4	QPSK	Front Side	15	19100	1900	1	MID	0.17	0.062	18.41	19.30	1.227	0.076	/
	State4		Back Side	15	19100	1900	1	MID	-0.06	0.022	18.41	19.30	1.227	0.027	/
	State4		Front Side	15	19100	1900	50	HIGH	0.14	0.049	18.39	19.30	1.233	0.060	/
	State4		Back Side	15	19100	1900	50	HIGH	-0.05	0.015	18.39	19.30	1.233	0.018	/
Hotspot (Open)															
Ant.4	State4	QPSK	Front Side	10	19100	1900	1	LOW	-0.15	0.114	17.69	18.80	1.291	0.147	/
	State4		Back Side	10	19100	1900	1	LOW	0.15	0.112	17.69	18.80	1.291	0.145	/
	State4		Right Edge	10	19100	1900	1	LOW	0.18	0.079	17.69	18.80	1.291	0.102	/
	State4		Top Edge	10	19100	1900	1	LOW	0.00	0.348	17.69	18.80	1.291	0.449	18#
	State4		Front Side	10	19100	1900	50	LOW	0.10	0.101	17.81	18.80	1.256	0.127	/
	State4		Back Side	10	19100	1900	50	LOW	0.09	0.099	17.81	18.80	1.256	0.124	/
	State4		Right Edge	10	19100	1900	50	LOW	-0.02	0.062	17.81	18.80	1.256	0.078	/

	State4		Top Edge	10	19100	1900	50	LOW	-0.19	0.283	17.81	18.80	1.256	0.355	/
Ant.5	State4	QPSK	Front Side	10	19100	1900	1	MID	-0.11	0.149	18.41	19.30	1.227	0.183	/
	State4		Back Side	10	19100	1900	1	MID	-0.01	0.167	18.41	19.30	1.227	0.205	/
	State4		Left Edge	10	19100	1900	1	MID	0.19	0.276	18.41	19.30	1.227	0.339	/
	State4		Front Side	10	19100	1900	50	HIGH	-0.12	0.122	18.39	19.30	1.233	0.150	/
	State4		Back Side	10	19100	1900	50	HIGH	0.16	0.131	18.39	19.30	1.233	0.162	/
	State4		Left Edge	10	19100	1900	50	HIGH	-0.19	0.225	18.39	19.30	1.233	0.277	/
Hotspot (Close)															
Ant.4	State4	QPSK	Front Side	10	19100	1900	1	LOW	-0.16	0.135	17.69	18.80	1.291	0.174	/
	State4		Back Side	10	19100	1900	1	LOW	-0.04	0.056	17.69	18.80	1.291	0.072	/
	State4		Right Edge	10	19100	1900	1	LOW	0.15	0.051	17.69	18.80	1.291	0.066	/
	State4		Bottom Edge	10	19100	1900	1	LOW	-0.09	0.305	17.69	18.80	1.291	0.394	/
	State4		Front Side	10	19100	1900	50	LOW	-0.06	0.112	17.81	18.80	1.256	0.141	/
	State4		Back Side	10	19100	1900	50	LOW	-0.10	0.049	17.81	18.80	1.256	0.062	/
	State4		Right Edge	10	19100	1900	50	LOW	0.13	0.041	17.81	18.80	1.256	0.051	/
	State4		Bottom Edge	10	19100	1900	50	LOW	-0.01	0.318	17.81	18.80	1.256	0.399	/
Ant.5	State4	QPSK	Front Side	10	19100	1900	1	MID	-0.01	0.113	18.41	19.30	1.227	0.139	/
	State4		Back Side	10	19100	1900	1	MID	0.06	0.031	18.41	19.30	1.227	0.038	/
	State4		Left Edge	10	19100	1900	1	MID	-0.16	0.252	18.41	19.30	1.227	0.309	/
	State4		Top Edge	10	19100	1900	1	MID	0.05	0.056	18.41	19.30	1.227	0.069	
	State4		Front Side	10	19100	1900	50	HIGH	-0.12	0.089	18.39	19.30	1.233	0.110	/
	State4		Back Side	10	19100	1900	50	HIGH	0.12	0.024	18.39	19.30	1.233	0.030	/
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific（Open）															
Ant.4	State1	QPSK	Top Edge	0	19100	1900	1	LOW	0.00	1.380	20.64	21.80	1.306	1.802	19#
	State1		Top Edge	0	19100	1900	50	Low	0.02	1.300	20.76	21.80	1.271	1.652	/
	State4	QPSK	Top Edge	0	19100	1900	1	LOW	0.05	0.685	17.69	18.80	1.291	0.884	/
	State4		Top Edge	0	19100	1900	50	Low	0.04	0.672	17.81	18.80	1.256	0.844	/
Specific（close）															
Ant.4	State1	QPSK	Bottom Edge	0	19100	1900	1	LOW	-0.01	1.310	20.64	21.80	1.306	1.711	/
	State1		Bottom Edge	0	19100	1900	50	Low	0.03	1.250	20.76	21.80	1.271	1.589	/
	State4	QPSK	Bottom Edge	0	19100	1900	1	LOW	0.01	0.678	17.69	18.80	1.291	0.875	/
	State4		Bottom Edge	0	19100	1900	50	Low	0.08	0.663	17.81	18.80	1.256	0.833	/
Sensor n-1 (Open)															
Ant.4	Full Power	QPSK	Front Side	9	18900	1900	1	HIGH	0.03	0.270	23.14	23.80	1.164	0.314	/
Ant.4	Full Power	QPSK	Back Side	10	18900	1900	1	HIGH	-0.05	0.229	23.14	23.80	1.164	0.267	/
Ant.4	Full Power	QPSK	Right Edge	10	18900	1900	1	HIGH	0.12	0.126	23.14	23.80	1.164	0.147	/
Ant.4	Full Power	QPSK	Top Edge	11	18900	1900	1	HIGH	-0.03	0.511	23.14	23.80	1.164	0.595	/
Ant.4	Full Power	QPSK	Front Side	9	18900	1900	50	HIGH	0.05	0.216	22.14	22.80	1.164	0.251	/
Ant.4	Full Power	QPSK	Back Side	10	18900	1900	50	HIGH	-0.05	0.182	22.14	22.80	1.164	0.212	/

Ant.4	Full Power	QPSK	Right Edge	10	18900	1900	50	HIGH	0.15	0.095	22.14	22.80	1.164	0.111	/
Ant.4	Full Power	QPSK	Top Edge	11	18900	1900	50	HIGH	-0.14	0.395	22.14	22.80	1.164	0.460	/
Sensor n-1 (Close)															
Ant.4	Full Power	QPSK	Front Side	9	18900	1900	1	HIGH	0.19	0.209	23.14	23.80	1.164	0.243	/
Ant.4	Full Power	QPSK	Back Side	10	18900	1900	1	HIGH	0.15	0.077	23.14	23.80	1.164	0.090	/
Ant.4	Full Power	QPSK	Right Edge	10	18900	1900	1	HIGH	-0.11	0.084	23.14	23.80	1.164	0.098	/
Ant.4	Full Power	QPSK	Bottom Edge	11	18900	1900	1	HIGH	-0.15	0.419	23.14	23.80	1.164	0.488	/
Ant.4	Full Power	QPSK	Front Side	9	18900	1900	50	HIGH	-0.05	0.167	22.14	22.80	1.164	0.194	/
Ant.4	Full Power	QPSK	Back Side	10	18900	1900	50	HIGH	-0.11	0.065	22.14	22.80	1.164	0.076	/
Ant.4	Full Power	QPSK	Right Edge	10	18900	1900	50	HIGH	0.11	0.066	22.14	22.80	1.164	0.077	/
Ant.4	Full Power	QPSK	Bottom Edge	11	18900	1900	50	HIGH	0.07	0.333	22.14	22.80	1.164	0.388	/

11.7 LTE 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.4	State3	QPSK	Left Cheek	0	20175	1732.5	1	HIGH	-0.08	0.421	18.25	19.20	1.245	0.524	/
	State3		Left Tilt	0	20175	1732.5	1	HIGH	-0.04	0.481	18.25	19.20	1.245	0.599	/
	State3		Right Cheek	0	20175	1732.5	1	HIGH	-0.09	0.781	18.25	19.20	1.245	0.972	/
	State3		Right Tilt	0	20175	1732.5	1	HIGH	0.17	0.595	18.25	19.20	1.245	0.741	/
	State3		Left Cheek	0	20175	1732.5	50	HIGH	-0.01	0.412	18.26	19.20	1.242	0.512	/
	State3		Left Tilt	0	20175	1732.5	50	HIGH	0.10	0.435	18.26	19.20	1.242	0.540	/
	State3		Right Cheek	0	20175	1732.5	50	HIGH	0.17	0.670	18.26	19.20	1.242	0.832	/
	State3		Right Tilt	0	20175	1732.5	50	HIGH	0.04	0.555	18.26	19.20	1.242	0.689	/
	State3		Right Cheek	0	20050	1720	1	HIGH	0.13	0.734	18.24	19.20	1.247	0.915	/
	State3		Right Cheek	0	20300	1745	1	MID	-0.02	0.882	18.31	19.20	1.227	1.082	20#
	State3		Right Cheek	0	20050	1720	50	HIGH	-0.04	0.666	18.22	19.20	1.253	0.834	/
	State3		Right Cheek	0	20300	1745	50	MID	-0.18	0.686	18.14	19.20	1.276	0.875	/
	State3		Right Cheek	0	20175	1732.5	100	LOW	-0.05	0.664	18.15	19.20	1.274	0.846	/
Ant.4	State6	QPSK	Left Cheek	0	20175	1732.5	1	HIGH	-0.13	0.211	15.23	16.20	1.250	0.264	/
	State6		Left Tilt	0	20175	1732.5	1	HIGH	0.06	0.241	15.23	16.20	1.250	0.301	/
	State6		Right Cheek	0	20175	1732.5	1	HIGH	-0.13	0.391	15.23	16.20	1.250	0.489	/
	State6		Right Tilt	0	20175	1732.5	1	HIGH	-0.06	0.298	15.23	16.20	1.250	0.373	/
	State6		Left Cheek	0	20175	1732.5	50	HIGH	-0.04	0.173	15.24	16.20	1.247	0.216	/
	State6		Left Tilt	0	20175	1732.5	50	HIGH	0.18	0.201	15.24	16.20	1.247	0.251	/
	State6		Right Cheek	0	20175	1732.5	50	HIGH	-0.10	0.336	15.24	16.20	1.247	0.419	/
	State6		Right Tilt	0	20175	1732.5	50	HIGH	0.12	0.252	15.24	16.20	1.247	0.314	/
Ant.5	State3&6	QPSK	Left Cheek	0	20175	1732.5	1	MID	0.04	0.162	22.29	22.70	1.099	0.178	/
	State3&6		Left Tilt	0	20175	1732.5	1	MID	-0.10	0.023	22.29	22.70	1.099	0.025	/
	State3&6		Right Cheek	0	20175	1732.5	1	MID	0.02	0.327	22.29	22.70	1.099	0.359	/
	State3&6		Right Tilt	0	20175	1732.5	1	MID	-0.04	0.056	22.29	22.70	1.099	0.062	/
	State3&6		Left Cheek	0	20175	1732.5	50	MID	-0.10	0.132	21.35	21.70	1.084	0.143	/
	State3&6		Left Tilt	0	20175	1732.5	50	MID	-0.07	0.018	21.35	21.70	1.084	0.020	/
	State3&6		Right Cheek	0	20175	1732.5	50	MID	0.05	0.270	21.35	21.70	1.084	0.293	/
	State3&6		Right Tilt	0	20175	1732.5	50	MID	0.18	0.046	21.35	21.70	1.084	0.050	/
Ant.6	State3	QPSK (ENDC) QPSK (ENDC)	Left Cheek	0	20175	1732.5	1	MID	-0.15	0.031	21.21	22.20	1.256	0.039	/
	State3		Left Tilt	0	20175	1732.5	1	MID	0.08	0.008	21.21	22.20	1.256	0.010	/
	State3		Right Cheek	0	20175	1732.5	1	MID	-0.05	0.014	21.21	22.20	1.256	0.018	/
	State3		Right Tilt	0	20175	1732.5	1	MID	-0.19	0.003	21.21	22.20	1.256	0.004	/
	State3		Left Cheek	0	20175	1732.5	50	HIGH	0.15	0.029	21.28	22.20	1.236	0.036	/
	State3		Left Tilt	0	20175	1732.5	50	HIGH	-0.06	0.006	21.28	22.20	1.236	0.007	/

	State3		Right Cheek	0	20175	1732.5	50	HIGH	0.01	0.011	21.28	22.20	1.236	0.014	/
	State3		Right Tilt	0	20175	1732.5	50	HIGH	0.19	0.004	21.28	22.20	1.236	0.005	/
Ant.6	State6	QPSK	Left Cheek	0	20175	1732.5	1	LOW	0.01	0.016	18.18	19.20	1.265	0.020	/
	State6		Left Tilt	0	20175	1732.5	1	LOW	-0.06	0.004	18.18	19.20	1.265	0.005	/
	State6		Right Cheek	0	20175	1732.5	1	LOW	0.11	0.007	18.18	19.20	1.265	0.009	/
	State6		Right Tilt	0	20175	1732.5	1	LOW	-0.11	0.002	18.18	19.20	1.265	0.003	/
	State6		Left Cheek	0	20175	1732.5	50	LOW	0.06	0.015	18.23	19.20	1.250	0.019	/
	State6		Left Tilt	0	20175	1732.5	50	LOW	-0.10	0.003	18.23	19.20	1.250	0.004	/
	State6		Right Cheek	0	20175	1732.5	50	LOW	0.12	0.006	18.23	19.20	1.250	0.008	/
	State6		Right Tilt	0	20175	1732.5	50	LOW	0.12	0.002	18.23	19.20	1.250	0.003	/
Ant.0	State3	QPSK (ENDC) QPSK (ENDC)	Left Cheek	0	20175	1732.5	1	MID	-0.18	0.021	14.87	15.40	1.130	0.024	/
	State3		Left Tilt	0	20175	1732.5	1	MID	-0.18	0.011	14.87	15.40	1.130	0.012	/
	State3		Right Cheek	0	20175	1732.5	1	MID	0.12	0.041	14.87	15.40	1.130	0.046	/
	State3		Right Tilt	0	20175	1732.5	1	MID	0.16	0.016	14.87	15.40	1.130	0.018	/
	State3		Left Cheek	0	20175	1732.5	50	LOW	0.17	0.018	14.90	15.40	1.122	0.020	/
	State3		Left Tilt	0	20175	1732.5	50	LOW	-0.18	0.009	14.90	15.40	1.122	0.010	/
	State3		Right Cheek	0	20175	1732.5	50	LOW	-0.07	0.039	14.90	15.40	1.122	0.044	/
	State3		Right Tilt	0	20175	1732.5	50	LOW	0.18	0.012	14.90	15.40	1.122	0.013	/
Ant.6	State6	QPSK	Left Cheek	0	20175	1732.5	1	LOW	0.06	0.011	11.87	12.40	1.130	0.012	/
	State6		Left Tilt	0	20175	1732.5	1	LOW	-0.03	0.006	11.87	12.40	1.130	0.007	/
	State6		Right Cheek	0	20175	1732.5	1	LOW	0.08	0.021	11.87	12.40	1.130	0.024	/
	State6		Right Tilt	0	20175	1732.5	1	LOW	-0.14	0.008	11.87	12.40	1.130	0.009	/
	State6		Left Cheek	0	20175	1732.5	50	HIGH	-0.18	0.009	11.94	12.40	1.112	0.010	/
	State6		Left Tilt	0	20175	1732.5	50	HIGH	0.15	0.005	11.94	12.40	1.112	0.006	/
	State6		Right Cheek	0	20175	1732.5	50	HIGH	0.02	0.020	11.94	12.40	1.112	0.022	/
	State6		Right Tilt	0	20175	1732.5	50	HIGH	-0.17	0.006	11.94	12.40	1.112	0.007	/
Body-worn (Open)															
Ant.4	State1	QPSK	Front Side	15	20175	1732.5	1	HIGH	-0.14	0.128	20.78	21.70	1.236	0.158	/
	State1		Back Side	15	20175	1732.5	1	HIGH	0.17	0.145	20.78	21.70	1.236	0.179	/
	State1		Front Side	15	20175	1732.5	50	HIGH	-0.11	0.110	20.75	21.70	1.245	0.137	/
	State1		Back Side	15	20175	1732.5	50	HIGH	0.15	0.120	20.75	21.70	1.245	0.149	/
Ant.4	State4	QPSK	Front Side	15	20175	1732.5	1	HIGH	-0.14	0.064	17.78	18.70	1.236	0.079	/
	State4		Back Side	15	20175	1732.5	1	HIGH	0.15	0.073	17.78	18.70	1.236	0.090	/
	State4		Front Side	15	20175	1732.5	50	HIGH	0.08	0.055	17.73	18.70	1.250	0.069	/
	State4		Back Side	15	20175	1732.5	50	HIGH	-0.14	0.060	17.73	18.70	1.250	0.075	/
Ant.5	State1	QPSK	Front Side	15	20175	1732.5	1	MID	0.07	0.190	22.29	22.70	1.099	0.209	/
	State1		Back Side	15	20175	1732.5	1	MID	-0.02	0.217	22.29	22.70	1.099	0.238	21#
	State1		Front Side	15	20175	1732.5	50	MID	-0.08	0.157	21.35	21.70	1.084	0.170	/
	State1		Back Side	15	20175	1732.5	50	MID	0.05	0.184	21.35	21.70	1.084	0.199	/
Ant.5	State4	QPSK	Front Side	15	20175	1732.5	1	HIGH	-0.10	0.095	18.89	19.70	1.205	0.114	/
	State4		Back Side	15	20175	1732.5	1	HIGH	-0.12	0.114	18.89	19.70	1.205	0.137	/
	State4		Front Side	15	20175	1732.5	50	HIGH	-0.05	0.079	18.87	19.70	1.211	0.096	/
	State4		Back Side	15	20175	1732.5	50	HIGH	0.06	0.092	18.87	19.70	1.211	0.111	/

Ant.6	State1	QPSK (ENDC)	Front Side	15	20175	1732.5	1	HIGH	-0.18	0.012	22.16	23.20	1.271	0.015	/
	State1		Back Side	15	20175	1732.5	1	HIGH	-0.08	0.023	22.16	23.20	1.271	0.029	/
	State1		Front Side	15	20175	1732.5	50	HIGH	0.06	0.014	22.28	23.20	1.236	0.017	/
	State1		Back Side	15	20175	1732.5	50	HIGH	-0.10	0.026	22.28	23.20	1.236	0.032	/
Ant.6	State4	QPSK (ENDC)	Front Side	15	20175	1732.5	1	HIGH	-0.06	0.007	19.21	20.20	1.256	0.009	/
	State4		Back Side	15	20175	1732.5	1	HIGH	0.12	0.013	19.21	20.20	1.256	0.016	/
	State4		Front Side	15	20175	1732.5	50	LOW	0.11	0.009	19.29	20.20	1.233	0.011	/
	State4		Back Side	15	20175	1732.5	50	LOW	-0.02	0.015	19.29	20.20	1.233	0.018	/
Ant.0	State1	QPSK (ENDC)	Front Side	15	20175	1732.5	1	HIGH	-0.07	0.035	20.93	21.40	1.114	0.039	/
	State1		Back Side	15	20175	1732.5	1	HIGH	-0.03	0.019	20.93	21.40	1.114	0.021	/
	State1		Front Side	15	20175	1732.5	50	HIGH	0.03	0.032	20.96	21.40	1.107	0.035	/
	State1		Back Side	15	20175	1732.5	50	HIGH	0.15	0.016	20.96	21.40	1.107	0.018	/
Ant.0	State4	QPSK (ENDC)	Front Side	15	20175	1732.5	1	MID	0.19	0.019	17.87	18.40	1.130	0.021	/
	State4		Back Side	15	20175	1732.5	1	MID	0.17	0.010	17.87	18.40	1.130	0.011	/
	State4		Front Side	15	20175	1732.5	50	LOW	-0.19	0.015	17.97	18.40	1.104	0.017	/
	State4		Back Side	15	20175	1732.5	50	LOW	-0.14	0.010	17.97	18.40	1.104	0.011	/
Body-worn (Close)															
Ant.4	State1	QPSK	Front Side	15	20175	1732.5	1	HIGH	0.00	0.158	20.78	21.70	1.236	0.195	/
	State1		Back Side	15	20175	1732.5	1	HIGH	0.06	0.057	20.78	21.70	1.236	0.070	/
	State1		Front Side	15	20175	1732.5	50	HIGH	-0.06	0.115	20.75	21.70	1.245	0.143	/
	State1		Back Side	15	20175	1732.5	50	HIGH	0.03	0.048	20.75	21.70	1.245	0.060	/
Ant.4	State4	QPSK	Front Side	15	20175	1732.5	1	HIGH	-0.05	0.071	17.78	18.70	1.236	0.088	/
	State4		Back Side	15	20175	1732.5	1	HIGH	-0.04	0.029	17.78	18.70	1.236	0.036	/
	State4		Front Side	15	20175	1732.5	50	HIGH	-0.06	0.058	17.73	18.70	1.250	0.073	/
	State4		Back Side	15	20175	1732.5	50	HIGH	-0.04	0.024	17.73	18.70	1.250	0.030	/
Ant.5	State1	QPSK	Front Side	15	20175	1732.5	1	MID	0.09	0.103	22.29	22.70	1.099	0.113	/
	State1		Back Side	15	20175	1732.5	1	MID	0.18	0.035	22.29	22.70	1.099	0.038	/
	State1		Front Side	15	20175	1732.5	50	MID	0.13	0.084	21.35	21.70	1.084	0.091	/
	State1		Back Side	15	20175	1732.5	50	MID	0.08	0.031	21.35	21.70	1.084	0.034	/
Ant.5	State4	QPSK	Front Side	15	20175	1732.5	1	HIGH	0.10	0.052	18.89	19.70	1.205	0.063	/
	State4		Back Side	15	20175	1732.5	1	HIGH	-0.02	0.018	18.89	19.70	1.205	0.022	/
	State4		Front Side	15	20175	1732.5	50	HIGH	-0.02	0.042	18.87	19.70	1.211	0.051	/
	State4		Back Side	15	20175	1732.5	50	HIGH	0.07	0.047	18.87	19.70	1.211	0.057	/
Ant.6	State1	QPSK (ENDC)	Front Side	15	20175	1732.5	1	HIGH	0.02	0.009	22.16	23.20	1.271	0.011	/
	State1		Back Side	15	20175	1732.5	1	HIGH	0.09	0.023	22.16	23.20	1.271	0.029	/
	State1		Front Side	15	20175	1732.5	50	HIGH	-0.17	0.008	22.28	23.20	1.236	0.010	/
	State1		Back Side	15	20175	1732.5	50	HIGH	-0.08	0.017	22.28	23.20	1.236	0.021	/
Ant.6	State4	QPSK (ENDC)	Front Side	15	20175	1732.5	1	HIGH	0.08	0.005	19.21	20.20	1.256	0.006	/
	State4		Back Side	15	20175	1732.5	1	HIGH	0.06	0.011	19.21	20.20	1.256	0.014	/
	State4		Front Side	15	20175	1732.5	50	LOW	0.01	0.003	19.29	20.20	1.233	0.004	/
	State4		Back Side	15	20175	1732.5	50	LOW	0.00	0.009	19.29	20.20	1.233	0.011	/
Ant.0	State1		Front Side	15	20175	1732.5	1	HIGH	0.03	0.034	20.93	21.40	1.114	0.038	/
	State1		Back Side	15	20175	1732.5	1	HIGH	0.00	0.012	20.93	21.40	1.114	0.013	/

	State1	QPSK (ENDC)	Front Side	15	20175	1732.5	50	HIGH	-0.19	0.028	20.96	21.40	1.107	0.031	/
	State1		Back Side	15	20175	1732.5	50	HIGH	0.09	0.009	20.96	21.40	1.107	0.010	/
Ant.0	State4	QPSK (ENDC)	Front Side	15	20175	1732.5	1	MID	0.06	0.015	17.87	18.40	1.130	0.017	/
	State4		Back Side	15	20175	1732.5	1	MID	0.11	0.006	17.87	18.40	1.130	0.007	/
	State4		Front Side	15	20175	1732.5	50	LOW	0.01	0.013	17.97	18.40	1.104	0.014	/
	State4		Back Side	15	20175	1732.5	50	LOW	-0.17	0.004	17.97	18.40	1.104	0.004	/
Hotspot (Open)															
Ant.4	State4	QPSK	Front Side	10	20175	1732.5	1	HIGH	0.15	0.129	17.78	18.70	1.236	0.159	/
	State4		Back Side	10	20175	1732.5	1	HIGH	-0.15	0.138	17.78	18.70	1.236	0.171	/
	State4		Right Edge	10	20175	1732.5	1	HIGH	0.12	0.087	17.78	18.70	1.236	0.108	/
	State4		Top Edge	10	20175	1732.5	1	HIGH	-0.04	0.335	17.78	18.70	1.236	0.414	22#
	State4		Front Side	10	20175	1732.5	50	HIGH	0.08	0.105	17.73	18.70	1.250	0.131	/
	State4		Back Side	10	20175	1732.5	50	HIGH	-0.12	0.116	17.73	18.70	1.250	0.145	/
	State4		Right Edge	10	20175	1732.5	50	HIGH	-0.16	0.070	17.73	18.70	1.250	0.088	/
	State4		Top Edge	10	20175	1732.5	50	HIGH	0.11	0.251	17.73	18.70	1.250	0.314	/
Ant.5	State4	QPSK	Front Side	10	20175	1732.5	1	HIGH	0.10	0.195	18.89	19.70	1.205	0.235	/
	State4		Back Side	10	20175	1732.5	1	HIGH	-0.04	0.216	18.89	19.70	1.205	0.260	/
	State4		Left Edge	10	20175	1732.5	1	HIGH	-0.09	0.297	18.89	19.70	1.205	0.358	/
	State4		Front Side	10	20175	1732.5	50	HIGH	-0.17	0.162	18.87	19.70	1.211	0.196	/
	State4		Back Side	10	20175	1732.5	50	HIGH	0.14	0.180	18.87	19.70	1.211	0.218	/
	State4		Left Edge	10	20175	1732.5	50	HIGH	0.05	0.245	18.87	19.70	1.211	0.297	/
Ant.6	State4	QPSK (ENDC)	Front Side	10	20175	1732.5	1	HIGH	0.07	0.015	19.21	20.20	1.256	0.019	/
	State4		Back Side	10	20175	1732.5	1	HIGH	0.15	0.043	19.21	20.20	1.256	0.054	/
	State4		Right Edge	10	20175	1732.5	1	HIGH	-0.01	0.021	19.21	20.20	1.256	0.026	/
	State4		Bottom Edge	10	20175	1732.5	1	HIGH	-0.17	0.055	19.21	20.20	1.256	0.069	/
	State4		Front Side	10	20175	1732.5	50	LOW	0.02	0.012	19.29	20.20	1.233	0.015	/
	State4		Back Side	10	20175	1732.5	50	LOW	0.03	0.039	19.29	20.20	1.233	0.048	/
	State4		Right Edge	10	20175	1732.5	50	LOW	-0.10	0.016	19.29	20.20	1.233	0.020	/
	State4		Bottom Edge	10	20175	1732.5	50	LOW	0.11	0.023	19.29	20.20	1.233	0.028	/
Ant.0	State4	QPSK (ENDC)	Front Side	10	20175	1732.5	1	MID	0.08	0.009	17.87	18.40	1.130	0.010	/
	State4		Back Side	10	20175	1732.5	1	MID	0.11	0.016	17.87	18.40	1.130	0.018	/
	State4		Right Edge	10	20175	1732.5	1	MID	-0.16	0.023	17.87	18.40	1.130	0.026	/
	State4		Top Edge	10	20175	1732.5	1	MID	0.06	0.004	17.87	18.40	1.130	0.005	/
	State4		Front Side	10	20175	1732.5	50	LOW	0.07	0.011	17.97	18.40	1.104	0.012	/
	State4		Back Side	10	20175	1732.5	50	LOW	0.14	0.012	17.97	18.40	1.104	0.013	/
	State4		Right Edge	10	20175	1732.5	50	LOW	-0.04	0.019	17.97	18.40	1.104	0.021	/
	State4		Top Edge	10	20175	1732.5	50	LOW	-0.04	0.003	17.97	18.40	1.104	0.003	/
Hotspot (Close)															
Ant.4	State4	QPSK	Front Side	10	20175	1732.5	1	HIGH	0.07	0.120	17.78	18.70	1.236	0.148	/
	State4		Back Side	10	20175	1732.5	1	HIGH	-0.01	0.042	17.78	18.70	1.236	0.052	/
	State4		Right Edge	10	20175	1732.5	1	HIGH	-0.08	0.052	17.78	18.70	1.236	0.064	/
	State4		Bottom Edge	10	20175	1732.5	1	HIGH	0.01	0.232	17.78	18.70	1.236	0.287	/

	State4		Front Side	10	20175	1732.5	50	HIGH	-0.19	0.097	17.73	18.70	1.250	0.121	/
	State4		Back Side	10	20175	1732.5	50	HIGH	-0.13	0.034	17.73	18.70	1.250	0.043	/
	State4		Right Edge	10	20175	1732.5	50	HIGH	0.16	0.040	17.73	18.70	1.250	0.050	/
	State4		Bottom Edge	10	20175	1732.5	50	HIGH	-0.19	0.196	17.73	18.70	1.250	0.245	/
Ant.5	State4	QPSK	Front Side	10	20175	1732.5	1	HIGH	0.16	0.093	18.89	19.70	1.205	0.112	/
	State4		Back Side	10	20175	1732.5	1	HIGH	-0.09	0.033	18.89	19.70	1.205	0.040	/
	State4		Left Edge	10	20175	1732.5	1	HIGH	-0.07	0.225	18.89	19.70	1.205	0.271	/
	State4		Top Edge	10	20175	1732.5	1	HIGH	0.05	0.056	18.89	19.70	1.205	0.067	
	State4		Front Side	10	20175	1732.5	50	HIGH	0.18	0.083	18.87	19.70	1.211	0.101	/
	State4		Back Side	10	20175	1732.5	50	HIGH	0.10	0.023	18.87	19.70	1.211	0.028	/
	State4		Left Edge	10	20175	1732.5	50	HIGH	-0.11	0.216	18.87	19.70	1.211	0.262	
	State4		Top Edge	10	20175	1732.5	50	HIGH	-0.11	0.053	18.87	19.70	1.211	0.064	/
Ant.6	State4	QPSK (ENDC)	Front Side	10	20175	1732.5	1	HIGH	0.13	0.023	19.21	20.20	1.256	0.029	/
	State4		Back Side	10	20175	1732.5	1	HIGH	-0.11	0.054	19.21	20.20	1.256	0.068	/
	State4		Right Edge	10	20175	1732.5	1	HIGH	0.12	0.032	19.21	20.20	1.256	0.040	/
	State4		Bottom Edge	10	20175	1732.5	1	HIGH	0.06	0.061	19.21	20.20	1.256	0.077	
	State4		Front Side	10	20175	1732.5	50	LOW	-0.11	0.021	19.29	20.20	1.233	0.026	
	State4		Back Side	10	20175	1732.5	50	LOW	0.04	0.051	19.29	20.20	1.233	0.063	/
	State4		Right Edge	10	20175	1732.5	50	LOW	0.06	0.025	19.29	20.20	1.233	0.031	/
	State4		Bottom Edge	10	20175	1732.5	50	LOW	0.18	0.049	19.29	20.20	1.233	0.060	/
Ant.0	State4	QPSK (ENDC)	Front Side	10	20175	1732.5	1	MID	-0.01	0.021	17.87	18.40	1.130	0.024	/
	State4		Back Side	10	20175	1732.5	1	MID	0.15	0.011	17.87	18.40	1.130	0.012	/
	State4		Right Edge	10	20175	1732.5	1	MID	0.01	0.025	17.87	18.40	1.130	0.028	/
	State4		Top Edge	10	20175	1732.5	1	MID	-0.07	0.006	17.87	18.40	1.130	0.007	
	State4		Front Side	10	20175	1732.5	50	LOW	0.00	0.015	17.97	18.40	1.104	0.017	
	State4		Back Side	10	20175	1732.5	50	LOW	-0.07	0.009	17.97	18.40	1.104	0.010	/
	State4		Right Edge	10	20175	1732.5	50	LOW	0.12	0.021	17.97	18.40	1.104	0.023	/
	State4		Top Edge	10	20175	1732.5	50	LOW	-0.01	0.004	17.97	18.40	1.104	0.004	/

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific（Open）															
Ant.4	State1	QPSK	Top Edge	0	20175	1732.5	1	HIGH	0.00	1.710	20.78	21.70	1.236	2.114	23#
	State1		Top Edge	0	20175	1732.5	50	HIGH	-0.03	1.660	20.75	21.70	1.245	2.067	/
	State1		Top Edge	0	20050	1720	1	HIGH	0.02	1.610	20.71	21.70	1.256	2.022	/
	State1		Top Edge	0	20300	1745	1	LOW	0.03	1.580	20.59	21.70	1.291	2.040	/
	State1		Top Edge	0	20050	1720	50	HIGH	-0.15	1.520	20.71	21.70	1.256	1.909	/
	State1		Top Edge	0	20300	1745	50	HIGH	0.18	1.540	20.59	21.70	1.291	1.988	/
	State1		Top Edge	0	20050	1720	100	HIGH	0.00	1.550	20.66	21.70	1.271	1.970	/
	State4		Top Edge	0	20175	1732.5	1	HIGH	0.04	0.846	17.78	18.70	1.236	1.046	/
	State4		Top Edge	0	20175	1732.5	50	HIGH	-0.07	0.831	17.73	18.70	1.250	1.039	/

Sensor n-1 (Open)															
Ant.4	Full Power	QPSK	Front Side	9	20175	1732.5	1	MID	-0.15	0.180	23.57	24.20	1.156	0.208	/
Ant.4	Full Power	QPSK	Back Side	10	20175	1732.5	1	MID	0.17	0.140	23.57	24.20	1.156	0.162	/
Ant.4	Full Power	QPSK	Right Edge	10	20175	1732.5	1	MID	0.12	0.097	23.57	24.20	1.156	0.112	/
Ant.4	Full Power	QPSK	Top Edge	11	20175	1732.5	1	MID	-0.18	0.516	23.57	24.20	1.156	0.596	/
Ant.4	Full Power	QPSK	Front Side	9	20175	1732.5	50	HIGH	-0.02	0.187	22.57	23.20	1.156	0.216	/
Ant.4	Full Power	QPSK	Back Side	10	20175	1732.5	50	HIGH	-0.09	0.148	22.57	23.20	1.156	0.171	/
Ant.4	Full Power	QPSK	Right Edge	10	20175	1732.5	50	HIGH	0.06	0.098	22.57	23.20	1.156	0.113	/
Ant.4	Full Power	QPSK	Top Edge	11	20175	1732.5	50	HIGH	-0.05	0.448	22.57	23.20	1.156	0.518	/
Sensor n-1 (Close)															
Ant.4	Full Power	QPSK	Front Side	9	20175	1732.5	1	MID	-0.10	0.201	23.57	24.20	1.156	0.232	/
Ant.4	Full Power	QPSK	Back Side	10	20175	1732.5	1	MID	-0.16	0.054	23.57	24.20	1.156	0.062	/
Ant.4	Full Power	QPSK	Right Edge	10	20175	1732.5	1	MID	-0.04	0.083	23.57	24.20	1.156	0.096	/
Ant.4	Full Power	QPSK	Bottom Edge	11	20175	1732.5	1	MID	0.10	0.424	23.57	24.20	1.156	0.490	/
Ant.4	Full Power	QPSK	Front Side	9	20175	1732.5	50	HIGH	-0.07	0.205	22.57	23.20	1.156	0.237	/
Ant.4	Full Power	QPSK	Back Side	10	20175	1732.5	50	HIGH	0.06	0.051	22.57	23.20	1.156	0.059	/
Ant.4	Full Power	QPSK	Right Edge	10	20175	1732.5	50	HIGH	-0.03	0.079	22.57	23.20	1.156	0.091	/
Ant.4	Full Power	QPSK	Bottom Edge	11	20175	1732.5	50	HIGH	0.01	0.338	22.57	23.20	1.156	0.391	/

11.8 LTE 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	State3	QPSK	Left Cheek	0	20525	836.5	1	HIGH	-0.02	0.245	18.14	19.50	1.368	0.335	/
	State3		Left Tilt	0	20525	836.5	1	HIGH	0.08	0.078	18.14	19.50	1.368	0.107	/
	State3		Right Cheek	0	20525	836.5	1	HIGH	0.03	0.535	18.14	19.50	1.368	0.732	24#
	State3		Right Tilt	0	20525	836.5	1	HIGH	0.06	0.135	18.14	19.50	1.368	0.185	/
	State3		Left Cheek	0	20525	836.5	25	HIGH	-0.03	0.204	18.15	19.50	1.365	0.278	/
	State3		Left Tilt	0	20525	836.5	25	HIGH	0.00	0.066	18.15	19.50	1.365	0.090	/
	State3		Right Cheek	0	20525	836.5	25	HIGH	0.17	0.441	18.15	19.50	1.365	0.602	/
	State3		Right Tilt	0	20525	836.5	25	HIGH	0.14	0.112	18.15	19.50	1.365	0.153	/
Ant.0	State6	QPSK	Left Cheek	0	20525	836.5	1	MID	0.19	0.123	15.11	16.50	1.377	0.169	/
	State6		Left Tilt	0	20525	836.5	1	MID	-0.17	0.039	15.11	16.50	1.377	0.054	/
	State6		Right Cheek	0	20525	836.5	1	MID	-0.03	0.265	15.11	16.50	1.377	0.365	/
	State6		Right Tilt	0	20525	836.5	1	MID	-0.19	0.068	15.11	16.50	1.377	0.094	/
	State6		Left Cheek	0	20525	836.5	25	HIGH	0.15	0.103	15.16	16.50	1.361	0.140	/
	State6		Left Tilt	0	20525	836.5	25	HIGH	-0.11	0.033	15.16	16.50	1.361	0.045	/
	State6		Right Cheek	0	20525	836.5	25	HIGH	-0.09	0.221	15.16	16.50	1.361	0.301	/
	State6		Right Tilt	0	20525	836.5	25	HIGH	0.02	0.057	15.16	16.50	1.361	0.078	/
Ant.1	State3&6	QPSK	Left Cheek	0	20525	836.5	1	MID	0.18	0.075	24.15	25.00	1.216	0.091	/
	State3&6		Left Tilt	0	20525	836.5	1	MID	-0.12	0.034	24.15	25.00	1.216	0.041	/
	State3&6		Right Cheek	0	20525	836.5	1	MID	-0.06	0.042	24.15	25.00	1.216	0.051	/
	State3&6		Right Tilt	0	20525	836.5	1	MID	0.13	0.022	24.15	25.00	1.216	0.027	/
	State3&6		Left Cheek	0	20525	836.5	25	HIGH	0.14	0.063	23.39	24.00	1.151	0.073	/
	State3&6		Left Tilt	0	20525	836.5	25	HIGH	0.06	0.025	23.39	24.00	1.151	0.029	/
	State3&6		Right Cheek	0	20525	836.5	25	HIGH	-0.10	0.029	23.39	24.00	1.151	0.033	/
	State3&6		Right Tilt	0	20525	836.5	25	HIGH	-0.05	0.013	23.39	24.00	1.151	0.015	/
Body-worn (Open)															
Ant.0	State1	QPSK	Front Side	15	20525	836.5	1	MID	0.02	0.267	23.87	25.00	1.297	0.346	25#
	State1		Back Side	15	20525	836.5	1	MID	-0.08	0.154	23.87	25.00	1.297	0.200	/
	State1		Front Side	15	20525	836.5	25	HIGH	0.02	0.166	23.05	24.00	1.245	0.207	/
	State1		Back Side	15	20525	836.5	25	HIGH	0.01	0.129	23.05	24.00	1.245	0.161	/
Ant.1	State4	QPSK	Front Side	15	20525	836.5	1	HIGH	0.15	0.101	20.66	22.00	1.361	0.137	/
	State4		Back Side	15	20525	836.5	1	HIGH	-0.11	0.077	20.66	22.00	1.361	0.105	/
	State4		Front Side	15	20525	836.5	25	HIGH	0.17	0.083	20.69	22.00	1.352	0.112	/
	State4		Back Side	15	20525	836.5	25	HIGH	0.14	0.065	20.69	22.00	1.352	0.088	/
Ant.0	State1	QPSK	Front Side	15	20525	836.5	1	MID	-0.13	0.189	24.15	25.00	1.216	0.230	/
	State1		Back Side	15	20525	836.5	1	MID	-0.01	0.202	24.15	25.00	1.216	0.246	/

	State1		Front Side	15	20525	836.5	25	HIGH	-0.15	0.150	23.39	24.00	1.151	0.173	/
	State1		Back Side	15	20525	836.5	25	HIGH	-0.14	0.155	23.39	24.00	1.151	0.178	/
Ant.1	State4	QPSK	Front Side	15	20525	836.5	1	MID	-0.02	0.095	21.16	22.00	1.213	0.115	/
	State4		Back Side	15	20525	836.5	1	MID	-0.16	0.097	21.16	22.00	1.213	0.118	/
	State4		Front Side	15	20525	836.5	25	HIGH	0.12	0.075	21.15	22.00	1.216	0.091	/
	State4		Back Side	15	20525	836.5	25	HIGH	0.13	0.078	21.15	22.00	1.216	0.095	/
Body-worn Close)															
Ant.0	State1	QPSK	Front Side	15	20525	836.5	1	MID	0.19	0.086	23.87	25.00	1.297	0.112	/
	State1		Back Side	15	20525	836.5	1	MID	0.18	0.045	23.87	25.00	1.297	0.058	/
	State1		Front Side	15	20525	836.5	25	HIGH	0.02	0.069	23.05	24.00	1.245	0.086	/
	State1		Back Side	15	20525	836.5	25	HIGH	-0.18	0.036	23.05	24.00	1.245	0.045	/
Ant.1	State4	QPSK	Front Side	15	20525	836.5	1	HIGH	-0.18	0.043	20.66	22.00	1.361	0.059	/
	State4		Back Side	15	20525	836.5	1	HIGH	-0.06	0.021	20.66	22.00	1.361	0.029	/
	State4		Front Side	15	20525	836.5	25	HIGH	0.00	0.035	20.69	22.00	1.352	0.047	/
	State4		Back Side	15	20525	836.5	25	HIGH	0.16	0.016	20.69	22.00	1.352	0.022	/
Ant.0	State1	QPSK	Front Side	15	20525	836.5	1	MID	-0.17	0.076	24.15	25.00	1.216	0.092	/
	State1		Back Side	15	20525	836.5	1	MID	0.01	0.239	24.15	25.00	1.216	0.291	/
	State1		Front Side	15	20525	836.5	25	HIGH	0.15	0.062	23.39	24.00	1.151	0.071	/
	State1		Back Side	15	20525	836.5	25	HIGH	-0.03	0.189	23.39	24.00	1.151	0.218	/
Ant.1	State4	QPSK	Front Side	15	20525	836.5	1	MID	0.01	0.037	21.16	22.00	1.213	0.045	/
	State4		Back Side	15	20525	836.5	1	MID	0.12	0.115	21.16	22.00	1.213	0.139	/
	State4		Front Side	15	20525	836.5	25	HIGH	-0.13	0.036	21.15	22.00	1.216	0.044	/
	State4		Back Side	15	20525	836.5	25	HIGH	0.11	0.097	21.15	22.00	1.216	0.118	/
Hotspot (Open)															
Ant.0	State4	QPSK	Front Side	10	20525	836.5	1	HIGH	0.13	0.217	20.66	22.00	1.361	0.295	/
	State4		Back Side	10	20525	836.5	1	HIGH	0.12	0.175	20.66	22.00	1.361	0.238	/
	State4		Right Edge	10	20525	836.5	1	HIGH	-0.04	0.298	20.66	22.00	1.361	0.406	26#
	State4		Top Edge	10	20525	836.5	1	HIGH	0.00	0.032	20.66	22.00	1.361	0.044	/
	State4		Front Side	10	20525	836.5	25	HIGH	0.15	0.184	20.69	22.00	1.352	0.249	/
	State4		Back Side	10	20525	836.5	25	HIGH	-0.10	0.146	20.69	22.00	1.352	0.197	/
	State4		Right Edge	10	20525	836.5	25	HIGH	0.06	0.233	20.69	22.00	1.352	0.315	/
	State4		Top Edge	10	20525	836.5	25	HIGH	-0.03	0.026	20.69	22.00	1.352	0.035	/
Ant.1	State4	QPSK	Front Side	10	20525	836.5	1	MID	-0.10	0.174	21.16	22.00	1.213	0.211	/
	State4		Back Side	10	20525	836.5	1	MID	-0.04	0.160	21.16	22.00	1.213	0.194	/
	State4		Left Edge	10	20525	836.5	1	MID	0.10	0.104	21.16	22.00	1.213	0.126	/
	State4		Bottom Edge	10	20525	836.5	1	MID	0.19	0.137	21.16	22.00	1.213	0.166	/
	State4		Front Side	10	20525	836.5	25	HIGH	0.01	0.137	21.15	22.00	1.216	0.167	/
	State4		Back Side	10	20525	836.5	25	HIGH	-0.13	0.127	21.15	22.00	1.216	0.154	/
	State4		Left Edge	10	20525	836.5	25	HIGH	0.05	0.082	21.15	22.00	1.216	0.100	/
	State4		Bottom Edge	10	20525	836.5	25	HIGH	-0.16	0.109	21.15	22.00	1.216	0.133	/
Hotspot (Close)															
Ant.0	State4	QPSK	Front Side	10	20525	836.5	1	HIGH	0.14	0.093	20.66	22.00	1.361	0.127	/
	State4		Back Side	10	20525	836.5	1	HIGH	-0.08	0.056	20.66	22.00	1.361	0.076	/

	State4		Right Edge	10	20525	836.5	1	HIGH	0.16	0.108	20.66	22.00	1.361	0.147	/
	State4		Top Edge	10	20525	836.5	1	HIGH	-0.01	0.034	20.66	22.00	1.361	0.046	/
	State4		Front Side	10	20525	836.5	25	HIGH	0.10	0.079	20.69	22.00	1.352	0.107	/
	State4		Back Side	10	20525	836.5	25	HIGH	0.19	0.049	20.69	22.00	1.352	0.066	/
	State4		Right Edge	10	20525	836.5	25	HIGH	-0.05	0.098	20.69	22.00	1.352	0.132	/
	State4		Top Edge	10	20525	836.5	25	HIGH	-0.07	0.031	20.69	22.00	1.352	0.042	/
Ant.1	State4	QPSK	Front Side	10	20525	836.5	1	MID	-0.14	0.053	21.16	22.00	1.213	0.064	/
	State4		Back Side	10	20525	836.5	1	MID	0.03	0.184	21.16	22.00	1.213	0.223	/
	State4		Left Edge	10	20525	836.5	1	MID	0.04	0.123	21.16	22.00	1.213	0.149	/
	State4		Bottom Edge	10	20525	836.5	1	MID	-0.05	0.135	21.16	22.00	1.213	0.164	/
	State4		Front Side	10	20525	836.5	25	HIGH	-0.05	0.043	21.15	22.00	1.216	0.052	/
	State4		Back Side	10	20525	836.5	25	HIGH	0.02	0.152	21.15	22.00	1.216	0.185	/
	State4		Left Edge	10	20525	836.5	25	HIGH	0.03	0.121	21.15	22.00	1.216	0.147	/
	State4		Bottom Edge	10	20525	836.5	25	HIGH	0.05	0.134	21.15	22.00	1.216	0.163	/

11.9 LTE 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.4	State3	QPSK	Left Cheek	0	21100	2535	1	HIGH	-0.13	0.346	15.15	16.00	1.216	0.421	/
	State3		Left Tilt	0	21100	2535	1	HIGH	0.02	0.475	15.15	16.00	1.216	0.578	/
	State3		Right Cheek	0	21100	2535	1	HIGH	-0.01	0.835	15.15	16.00	1.216	1.015	/
	State3		Right Tilt	0	21100	2535	1	HIGH	-0.11	0.566	15.15	16.00	1.216	0.688	/
	State3		Left Cheek	0	21100	2535	50	HIGH	-0.01	0.254	15.20	16.00	1.202	0.305	/
	State3		Left Tilt	0	21100	2535	50	HIGH	-0.10	0.357	15.20	16.00	1.202	0.429	/
	State3		Right Cheek	0	21100	2535	50	HIGH	0.12	0.765	15.20	16.00	1.202	0.920	/
	State3		Right Tilt	0	21100	2535	50	HIGH	0.11	0.507	15.20	16.00	1.202	0.609	/
	State3		Right Cheek	0	20850	2510	1	LOW	0.04	0.794	15.08	16.00	1.236	0.981	/
	State3		Right Cheek	0	21350	2560	1	LOW	-0.08	0.850	15.05	16.00	1.245	1.058	27#
	State3		Right Cheek	0	20850	2510	50	HIGH	0.14	0.653	15.16	16.00	1.213	0.792	/
	State3		Right Cheek	0	21350	2560	50	LOW	0.05	0.699	15.11	16.00	1.227	0.858	/
	State3		Right Cheek	0	21100	2535	100	LOW	0.18	0.693	15.16	16.00	1.213	0.841	/
Ant.4	State6	QPSK	Left Cheek	0	21100	2535	1	HIGH	0.08	0.173	12.15	13.00	1.216	0.210	/
	State6		Left Tilt	0	21100	2535	1	HIGH	0.19	0.238	12.15	13.00	1.216	0.289	/
	State6		Right Cheek	0	21100	2535	1	HIGH	0.04	0.418	12.15	13.00	1.216	0.508	/
	State6		Right Tilt	0	21100	2535	1	HIGH	0.01	0.284	12.15	13.00	1.216	0.345	/
	State6		Left Cheek	0	21100	2535	50	HIGH	-0.09	0.165	12.22	13.00	1.197	0.198	/
	State6		Left Tilt	0	21100	2535	50	HIGH	-0.09	0.211	12.22	13.00	1.197	0.253	/
	State6		Right Cheek	0	21100	2535	50	HIGH	-0.11	0.407	12.22	13.00	1.197	0.487	/
	State6		Right Tilt	0	21100	2535	50	HIGH	0.15	0.254	12.22	13.00	1.197	0.304	/
Ant.5	State3	QPSK	Left Cheek	0	21100	2535	1	LOW	-0.11	0.529	17.35	18.00	1.161	0.614	/
	State3		Left Tilt	0	21100	2535	1	LOW	0.15	0.082	17.35	18.00	1.161	0.095	/
	State3		Right Cheek	0	21100	2535	1	LOW	0.08	0.605	17.35	18.00	1.161	0.702	/
	State3		Right Tilt	0	21100	2535	1	LOW	-0.14	0.067	17.35	18.00	1.161	0.078	/
	State3		Left Cheek	0	21100	2535	50	LOW	-0.01	0.502	17.38	18.00	1.153	0.579	/
	State3		Left Tilt	0	21100	2535	50	LOW	0.04	0.075	17.38	18.00	1.153	0.086	/
	State3		Right Cheek	0	21100	2535	50	LOW	0.06	0.565	17.38	18.00	1.153	0.651	/
	State3		Right Tilt	0	21100	2535	50	LOW	-0.07	0.050	17.38	18.00	1.153	0.058	/
Ant.5	State6	QPSK	Left Cheek	0	21100	2535	1	MID	-0.07	0.265	14.35	15.00	1.161	0.308	/
	State6		Left Tilt	0	21100	2535	1	MID	0.17	0.041	14.35	15.00	1.161	0.048	/
	State6		Right Cheek	0	21100	2535	1	MID	0.15	0.303	14.35	15.00	1.161	0.352	/
	State6		Right Tilt	0	21100	2535	1	MID	0.19	0.034	14.35	15.00	1.161	0.039	/
	State6		Left Cheek	0	21100	2535	50	MID	-0.17	0.189	14.42	15.00	1.143	0.216	/
	State6		Left Tilt	0	21100	2535	50	MID	0.04	0.039	14.42	15.00	1.143	0.045	/

	State6		Right Cheek	0	21100	2535	50	MID	0.06	0.285	14.42	15.00	1.143	0.326	/
	State6		Right Tilt	0	21100	2535	50	MID	-0.13	0.031	14.42	15.00	1.143	0.035	/
Ant.6	State3	QPSK (ENDC)	Left Cheek	0	21100	2535	1	LOW	-0.03	0.056	21.48	22.00	1.127	0.063	/
	State3		Left Tilt	0	21100	2535	1	LOW	0.03	0.011	21.48	22.00	1.127	0.012	/
	State3		Right Cheek	0	21100	2535	1	LOW	-0.09	0.034	21.48	22.00	1.127	0.038	/
	State3		Right Tilt	0	21100	2535	1	LOW	0.09	0.008	21.48	22.00	1.127	0.009	/
	State3		Left Cheek	0	21100	2535	50	LOW	-0.03	0.059	21.47	22.00	1.130	0.067	/
	State3		Left Tilt	0	21100	2535	50	LOW	-0.14	0.013	21.47	22.00	1.130	0.015	/
	State3		Right Cheek	0	21100	2535	50	LOW	0.09	0.029	21.47	22.00	1.130	0.033	/
	State3		Right Tilt	0	21100	2535	50	LOW	0.02	0.007	21.47	22.00	1.130	0.008	/
Ant.6	State6	QPSK (ENDC)	Left Cheek	0	21100	2535	1	HIGH	-0.05	0.028	18.54	19.00	1.112	0.031	/
	State6		Left Tilt	0	21100	2535	1	HIGH	0.07	0.006	18.54	19.00	1.112	0.007	/
	State6		Right Cheek	0	21100	2535	1	HIGH	0.13	0.017	18.54	19.00	1.112	0.019	/
	State6		Right Tilt	0	21100	2535	1	HIGH	0.15	0.004	18.54	19.00	1.112	0.004	/
	State6		Left Cheek	0	21100	2535	50	MID	0.06	0.030	18.58	19.00	1.102	0.033	/
	State6		Left Tilt	0	21100	2535	50	MID	-0.02	0.007	18.58	19.00	1.102	0.008	/
	State6		Right Cheek	0	21100	2535	50	MID	-0.15	0.015	18.58	19.00	1.102	0.017	/
	State6		Right Tilt	0	21100	2535	50	MID	-0.02	0.004	18.58	19.00	1.102	0.004	/
Ant.0	State3	QPSK (ENDC)	Left Cheek	0	21100	2535	1	LOW	0.06	0.595	14.98	15.00	1.005	0.598	/
	State3		Left Tilt	0	21100	2535	1	LOW	0.08	0.070	14.98	15.00	1.005	0.070	/
	State3		Right Cheek	0	21100	2535	1	LOW	0.13	0.785	14.98	15.00	1.005	0.789	/
	State3		Right Tilt	0	21100	2535	1	LOW	-0.16	0.121	14.98	15.00	1.005	0.122	/
	State3		Left Cheek	0	21100	2535	50	LOW	0.13	0.578	14.93	15.00	1.016	0.587	/
	State3		Left Tilt	0	21100	2535	50	LOW	0.05	0.074	14.93	15.00	1.016	0.075	/
	State3		Right Cheek	0	21100	2535	50	LOW	-0.11	0.765	14.93	15.00	1.016	0.777	/
	State3		Right Tilt	0	21100	2535	50	LOW	-0.01	0.123	14.93	15.00	1.016	0.125	/
Ant.0	State6	QPSK (ENDC)	Left Cheek	0	21100	2535	1	MID	0.01	0.298	11.92	12.00	1.019	0.304	/
	State6		Left Tilt	0	21100	2535	1	MID	-0.07	0.035	11.92	12.00	1.019	0.036	/
	State6		Right Cheek	0	21100	2535	1	MID	0.15	0.393	11.92	12.00	1.019	0.400	/
	State6		Right Tilt	0	21100	2535	1	MID	-0.18	0.061	11.92	12.00	1.019	0.062	/
	State6		Left Cheek	0	21100	2535	50	MID	0.01	0.290	11.93	12.00	1.016	0.295	/
	State6		Left Tilt	0	21100	2535	50	MID	0.08	0.037	11.93	12.00	1.016	0.038	/
	State6		Right Cheek	0	21100	2535	50	MID	-0.18	0.391	11.93	12.00	1.016	0.397	/
	State6		Right Tilt	0	21100	2535	50	MID	0.09	0.062	11.93	12.00	1.016	0.063	/
Head CA															
Ant.4	State3	QPSK	Right Cheek	0	21350 +2115 2	2560 +2540. 2	1+1	Low +High	0.03	0.720	14.86	15.80	1.242	0.894	/
Body-worn (Open)															
Ant.4	State1	QPSK	Front Side	15	21100	2535	1	HIGH	0.01	0.053	18.16	19.00	1.213	0.064	/
	State1		Back Side	15	21100	2535	1	HIGH	-0.11	0.133	18.16	19.00	1.213	0.161	/
	State1		Front Side	15	21100	2535	50	HIGH	-0.09	0.051	18.23	19.00	1.194	0.061	/
	State1		Back Side	15	21100	2535	50	HIGH	-0.04	0.123	18.23	19.00	1.194	0.147	/

Ant.4	State4	QPSK	Front Side	15	21100	2535	1	HIGH	0.17	0.027	15.15	16.00	1.216	0.033	/
	State4		Back Side	15	21100	2535	1	HIGH	-0.05	0.067	15.15	16.00	1.216	0.081	/
	State4		Front Side	15	21100	2535	50	HIGH	-0.02	0.048	15.20	16.00	1.202	0.058	/
	State4		Back Side	15	21100	2535	50	HIGH	0.01	0.056	15.20	16.00	1.202	0.067	/
Ant.5	State1	QPSK	Front Side	15	21100	2535	1	MID	-0.11	0.197	20.48	21.00	1.127	0.222	/
	State1		Back Side	15	21100	2535	1	MID	0.00	0.209	20.48	21.00	1.127	0.236	28#
	State1		Front Side	15	21100	2535	50	LOW	0.06	0.143	19.97	21.00	1.268	0.181	/
	State1		Back Side	15	21100	2535	50	LOW	0.05	0.154	19.97	21.00	1.268	0.195	/
Ant.5	State4	QPSK	Front Side	15	21100	2535	1	LOW	0.13	0.099	17.35	18.00	1.161	0.115	/
	State4		Back Side	15	21100	2535	1	LOW	0.02	0.107	17.35	18.00	1.161	0.124	/
	State4		Front Side	15	21100	2535	50	LOW	0.10	0.072	17.38	18.00	1.153	0.083	/
	State4		Back Side	15	21100	2535	50	LOW	0.03	0.077	17.38	18.00	1.153	0.089	/
Ant.6	State1	QPSK (ENDC)	Front Side	15	21100	2535	1	HIGH	-0.06	0.021	22.67	23.00	1.079	0.023	/
	State1		Back Side	15	21100	2535	1	HIGH	0.08	0.035	22.67	23.00	1.079	0.038	/
	State1		Front Side	15	21100	2535	50	HIGH	-0.17	0.019	22.78	23.00	1.052	0.020	/
	State1		Back Side	15	21100	2535	50	HIGH	0.03	0.036	22.78	23.00	1.052	0.038	/
Ant.6	State4	QPSK (ENDC)	Front Side	15	21100	2535	1	MID	-0.13	0.013	19.58	20.00	1.102	0.014	/
	State4		Back Side	15	21100	2535	1	MID	0.00	0.020	19.58	20.00	1.102	0.022	/
	State4		Front Side	15	21100	2535	50	LOW	-0.05	0.014	19.57	20.00	1.104	0.015	/
	State4		Back Side	15	21100	2535	50	LOW	-0.08	0.019	19.57	20.00	1.104	0.021	/
Ant.0	State1	QPSK (ENDC)	Front Side	15	21100	2535	1	LOW	0.01	0.102	20.89	21.00	1.026	0.105	/
	State1		Back Side	15	21100	2535	1	LOW	-0.07	0.057	20.89	21.00	1.026	0.058	/
	State1		Front Side	15	21100	2535	50	MID	0.03	0.085	20.95	21.00	1.012	0.086	/
	State1		Back Side	15	21100	2535	50	MID	0.14	0.053	20.95	21.00	1.012	0.054	/
Ant.0	State4	QPSK (ENDC)	Front Side	15	21100	2535	1	MID	0.06	0.053	17.98	18.00	1.005	0.053	/
	State4		Back Side	15	21100	2535	1	MID	0.12	0.023	17.98	18.00	1.005	0.023	/
	State4		Front Side	15	21100	2535	50	MID	0.00	0.044	17.88	18.00	1.028	0.045	/
	State4		Back Side	15	21100	2535	50	MID	-0.10	0.029	17.88	18.00	1.028	0.030	/
Body-worn CA(Open)															
Ant.5	State1	QPSK	Back Side	15	21100 +21298	2535 +2554.8	1+1	High +Low	0.01	0.204	20.22	20.80	1.143	0.233	/
Body-worn (Close)															
Ant.4	State1	QPSK	Front Side	15	21100	2535	1	HIGH	0.05	0.101	18.16	19.00	1.213	0.123	/
	State1		Back Side	15	21100	2535	1	HIGH	0.13	0.028	18.16	19.00	1.213	0.034	/
	State1		Front Side	15	21100	2535	50	HIGH	-0.18	0.071	18.23	19.00	1.194	0.085	/
	State1		Back Side	15	21100	2535	50	HIGH	-0.10	0.023	18.23	19.00	1.194	0.027	/
Ant.4	State4	QPSK	Front Side	15	21100	2535	1	HIGH	0.09	0.051	15.15	16.00	1.216	0.062	/
	State4		Back Side	15	21100	2535	1	HIGH	-0.17	0.014	15.15	16.00	1.216	0.017	/
	State4		Front Side	15	21100	2535	50	HIGH	-0.17	0.036	15.20	16.00	1.202	0.043	/
	State4		Back Side	15	21100	2535	50	HIGH	-0.18	0.012	15.20	16.00	1.202	0.014	/
Ant.5	State1	QPSK	Front Side	15	21100	2535	1	MID	-0.07	0.189	20.48	21.00	1.127	0.213	/
	State1		Back Side	15	21100	2535	1	MID	-0.18	0.054	20.48	21.00	1.127	0.061	/

	State1		Front Side	15	21100	2535	50	LOW	0.16	0.124	19.97	21.00	1.268	0.157	/
	State1		Back Side	15	21100	2535	50	LOW	-0.01	0.027	19.97	21.00	1.268	0.034	/
Ant.5	State4	QPSK	Front Side	15	21100	2535	1	LOW	-0.09	0.085	17.35	18.00	1.161	0.099	/
	State4		Back Side	15	21100	2535	1	LOW	0.00	0.027	17.35	18.00	1.161	0.031	/
	State4		Front Side	15	21100	2535	50	LOW	0.16	0.062	17.38	18.00	1.153	0.071	/
	State4		Back Side	15	21100	2535	50	LOW	0.00	0.016	17.38	18.00	1.153	0.018	/
Ant.6	State1	QPSK (ENDC)	Front Side	15	21100	2535	1	HIGH	-0.01	0.029	22.67	23.00	1.079	0.031	/
	State1		Back Side	15	21100	2535	1	HIGH	0.13	0.041	22.67	23.00	1.079	0.044	/
	State1		Front Side	15	21100	2535	50	HIGH	0.16	0.031	22.78	23.00	1.052	0.033	/
	State1		Back Side	15	21100	2535	50	HIGH	0.14	0.046	22.78	23.00	1.052	0.048	/
Ant.6	State4	QPSK (ENDC)	Front Side	15	21100	2535	1	MID	-0.02	0.015	19.58	20.00	1.102	0.017	/
	State4		Back Side	15	21100	2535	1	MID	-0.01	0.023	19.58	20.00	1.102	0.025	/
	State4		Front Side	15	21100	2535	50	LOW	-0.19	0.019	19.57	20.00	1.104	0.021	/
	State4		Back Side	15	21100	2535	50	LOW	-0.13	0.027	19.57	20.00	1.104	0.030	/
Ant.0	State1	QPSK (ENDC)	Front Side	15	21100	2535	1	LOW	0.03	0.105	20.89	21.00	1.026	0.108	/
	State1		Back Side	15	21100	2535	1	LOW	-0.19	0.183	20.89	21.00	1.026	0.188	/
	State1		Front Side	15	21100	2535	50	MID	0.11	0.101	20.95	21.00	1.012	0.102	/
	State1		Back Side	15	21100	2535	50	MID	-0.10	0.177	20.95	21.00	1.012	0.179	/
Ant.0	State4	QPSK (ENDC)	Front Side	15	21100	2535	1	MID	0.15	0.053	17.98	18.00	1.005	0.053	/
	State4		Back Side	15	21100	2535	1	MID	0.01	0.096	17.98	18.00	1.005	0.096	/
	State4		Front Side	15	21100	2535	50	MID	0.19	0.047	17.88	18.00	1.028	0.048	/
	State4		Back Side	15	21100	2535	50	MID	-0.14	0.088	17.88	18.00	1.028	0.090	/
Body-worn CA(Close)															
Ant.5	State1	QPSK	Front Side	15	21100 +21298	2535 +2554.8	1+1	High +Low	-0.06	0.158	20.22	20.80	1.143	0.181	/
Hotspot (Open)															
Ant.4	State4	QPSK	Front Side	10	21100	2535	1	HIGH	-0.02	0.147	15.15	16.00	1.216	0.179	/
	State4		Back Side	10	21100	2535	1	HIGH	-0.14	0.137	15.15	16.00	1.216	0.167	/
	State4		Right Edge	10	21100	2535	1	HIGH	-0.13	0.141	15.15	16.00	1.216	0.171	/
	State4		Top Edge	10	21100	2535	1	HIGH	0.02	0.305	15.15	16.00	1.216	0.371	/
	State4		Front Side	10	21100	2535	50	HIGH	-0.03	0.102	15.20	16.00	1.202	0.123	/
	State4		Back Side	10	21100	2535	50	HIGH	0.00	0.094	15.20	16.00	1.202	0.113	/
	State4		Right Edge	10	21100	2535	50	HIGH	-0.11	0.097	15.20	16.00	1.202	0.117	/
	State4		Top Edge	10	21100	2535	50	HIGH	-0.02	0.206	15.20	16.00	1.202	0.248	/
Ant.5	State4	QPSK	Front Side	10	21100	2535	1	LOW	0.19	0.174	17.35	18.00	1.161	0.202	/
	State4		Back Side	10	21100	2535	1	LOW	-0.03	0.189	17.35	18.00	1.161	0.219	/
	State4		Left Edge	10	21100	2535	1	LOW	-0.09	0.313	17.35	18.00	1.161	0.363	/
	State4		Front Side	10	21100	2535	50	LOW	-0.03	0.126	17.38	18.00	1.153	0.145	/
	State4		Back Side	10	21100	2535	50	LOW	0.09	0.137	17.38	18.00	1.153	0.158	/
	State4		Left Edge	10	21100	2535	50	LOW	0.11	0.233	17.38	18.00	1.153	0.269	/
Ant.6	State4		Front Side	10	21100	2535	1	MID	-0.05	0.064	19.58	20.00	1.102	0.071	/
	State4		Back Side	10	21100	2535	1	MID	-0.05	0.106	19.58	20.00	1.102	0.117	/

	State4	QPSK (ENDC)	Right Edge	10	21100	2535	1	MID	0.05	0.054	19.58	20.00	1.102	0.060	/
	State4		Bottom Edge	10	21100	2535	1	MID	0.00	0.151	19.58	20.00	1.102	0.166	/
	State4		Front Side	10	21100	2535	50	LOW	-0.13	0.058	19.57	20.00	1.104	0.064	/
	State4		Back Side	10	21100	2535	50	LOW	-0.13	0.096	19.57	20.00	1.104	0.106	/
	State4		Right Edge	10	21100	2535	50	LOW	-0.06	0.051	19.57	20.00	1.104	0.056	/
	State4		Bottom Edge	10	21100	2535	50	LOW	0.12	0.163	19.57	20.00	1.104	0.180	/
Ant.0	State4	QPSK (ENDC)	Front Side	10	21100	2535	1	MID	0.09	0.196	17.98	18.00	1.005	0.197	/
	State4		Back Side	10	21100	2535	1	MID	0.03	0.125	17.98	18.00	1.005	0.126	/
	State4		Right Edge	10	21100	2535	1	MID	0.12	0.053	17.98	18.00	1.005	0.053	/
	State4		Top Edge	10	21100	2535	1	MID	0.07	0.034	17.98	18.00	1.005	0.034	/
	State4		Front Side	10	21100	2535	50	MID	-0.05	0.178	17.88	18.00	1.028	0.183	/
	State4		Back Side	10	21100	2535	50	MID	-0.10	0.116	17.88	18.00	1.028	0.119	/
	State4		Right Edge	10	21100	2535	50	MID	-0.08	0.049	17.88	18.00	1.028	0.050	/
	State4		Top Edge	10	21100	2535	50	MID	-0.18	0.027	17.88	18.00	1.028	0.028	/
Hotspot CA(Open)															
Ant.5	State4	QPSK	Left Edge	10	21100 +21298	2535 +2554.8	1+1	High +Low	-0.05	0.266	17.19	17.80	1.151	0.306	/
Hotspot (Close)															
Ant.4	State4	QPSK	Front Side	10	21100	2535	1	HIGH	0.17	0.101	15.15	16.00	1.216	0.123	/
	State4		Back Side	10	21100	2535	1	HIGH	0.02	0.026	15.15	16.00	1.216	0.032	/
	State4		Right Edge	10	21100	2535	1	HIGH	-0.02	0.076	15.15	16.00	1.216	0.092	/
	State4		Bottom Edge	10	21100	2535	1	HIGH	0.19	0.162	15.15	16.00	1.216	0.197	/
	State4		Front Side	10	21100	2535	50	HIGH	-0.19	0.069	15.20	16.00	1.202	0.083	/
	State4		Back Side	10	21100	2535	50	HIGH	-0.11	0.021	15.20	16.00	1.202	0.025	/
	State4		Right Edge	10	21100	2535	50	HIGH	-0.15	0.055	15.20	16.00	1.202	0.066	/
	State4		Bottom Edge	10	21100	2535	50	HIGH	0.18	0.120	15.20	16.00	1.202	0.144	/
Ant.5	State4	QPSK	Front Side	10	21100	2535	1	LOW	0.17	0.089	17.35	18.00	1.161	0.103	/
	State4		Back Side	10	21100	2535	1	LOW	-0.05	0.052	17.35	18.00	1.161	0.060	/
	State4		Left Edge	10	21100	2535	1	LOW	0.16	0.109	17.35	18.00	1.161	0.127	/
	State4		Top Edge	10	21100	2535	1	LOW	0.06	0.043	17.35	18.00	1.161	0.050	/
	State4		Front Side	10	21100	2535	50	LOW	0.12	0.084	17.38	18.00	1.000	0.084	/
	State4		Back Side	10	21100	2535	50	LOW	0.02	0.046	17.38	18.00	1.000	0.046	/
	State4		Left Edge	10	21100	2535	50	LOW	0.10	0.101	17.38	18.00	1.000	0.101	/
	State4		Top Edge	10	21100	2535	50	LOW	0.13	0.043	17.38	18.00	1.000	0.043	/
Ant.6	State4	QPSK (ENDC)	Front Side	10	21100	2535	1	MID	0.17	0.025	19.58	20.00	1.102	0.028	/
	State4		Back Side	10	21100	2535	1	MID	-0.13	0.095	19.58	20.00	1.102	0.105	/
	State4		Right Edge	10	21100	2535	1	MID	0.06	0.031	19.58	20.00	1.102	0.034	/
	State4		Bottom Edge	10	21100	2535	1	MID	0.17	0.076	19.58	20.00	1.102	0.084	/
	State4		Front Side	10	21100	2535	50	LOW	0.03	0.021	19.57	20.00	1.104	0.023	/
	State4		Back Side	10	21100	2535	50	LOW	0.01	0.087	19.57	20.00	1.104	0.096	/
	State4		Right Edge	10	21100	2535	50	LOW	0.08	0.025	19.57	20.00	1.104	0.028	/
	State4		Bottom Edge	10	21100	2535	50	LOW	0.06	0.071	19.57	20.00	1.104	0.078	/

Ant.0	State4	QPSK (ENDC)	Front Side	10	21100	2535	1	MID	0.14	0.113	17.98	18.00	1.005	0.114	/
	State4		Back Side	10	21100	2535	1	MID	-0.11	0.044	17.98	18.00	1.005	0.044	/
	State4		Right Edge	10	21100	2535	1	MID	0.12	0.136	17.98	18.00	1.005	0.137	/
	State4		Top Edge	10	21100	2535	1	MID	0.12	0.022	17.98	18.00	1.005	0.022	/
	State4		Front Side	10	21100	2535	50	MID	0.13	0.101	17.88	18.00	1.028	0.104	/
	State4		Back Side	10	21100	2535	50	MID	0.11	0.041	17.88	18.00	1.028	0.042	/
	State4		Right Edge	10	21100	2535	50	MID	0.08	0.123	17.88	18.00	1.028	0.126	/
	State4		Top Edge	10	21100	2535	50	MID	-0.09	0.015	17.88	18.00	1.028	0.015	/
Hotspot CA(Close)															
Ant.4	State4	QPSK	Bottom Edge	10	21100 +21298	2535 +2554.8	1+1	High +Low	0.17	0.147	14.74	15.80	1.276	0.188	/
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific（Open）															
Ant.4	State1	QPSK	Top Edge	0	21100	2535	1	HIGH	-0.03	0.770	18.16	19.00	1.213	0.934	/
	State1	QPSK	Top Edge	0	21100	2535	50	HIGH	0.05	0.757	18.23	19.00	1.194	0.904	/
	State4	QPSK	Top Edge	0	21100	2535	1	HIGH	-0.16	0.383	15.15	16.00	1.216	0.466	/
	State4	QPSK	Top Edge	0	21100	2535	50	HIGH	0.04	0.372	15.20	16.00	1.202	0.447	/
Ant.5	State1	QPSK	Left Edge	0	21100	2535	1	MID	-0.02	1.720	20.48	21.00	1.127	1.938	30#
	State1	QPSK	Left Edge	0	21100	2535	50	LOW	0.07	1.410	19.97	21.00	1.268	1.788	/
	State4	QPSK	Left Edge	0	21100	2535	1	LOW	-0.13	0.857	17.35	18.00	1.161	0.995	/
	State4	QPSK	Left Edge	0	21100	2535	50	LOW	0.09	0.808	17.38	18.00	1.153	0.932	/
Specific（Close）_															
Ant.4	State1	QPSK	Bottom Edge	0	21100	2535	1	HIGH	0.00	0.570	18.16	19.00	1.213	0.691	/
	State1	QPSK	Bottom Edge	0	21100	2535	50	HIGH	0.06	0.553	18.23	19.00	1.194	0.660	/
	State4	QPSK	Bottom Edge	0	21100	2535	1	HIGH	0.07	0.282	15.15	16.00	1.216	0.343	/
	State4	QPSK	Bottom Edge	0	21100	2535	50	HIGH	0.14	0.275	15.20	16.00	1.202	0.331	/
Sensor n-1 (Open)															
Ant.4	Full Power	QPSK	Front Side	9	21100	2535	1	HIGH	0.04	0.195	23.48	24.00	1.127	0.220	/
Ant.4	Full Power	QPSK	Back Side	10	21100	2535	1	HIGH	0.18	0.155	23.48	24.00	1.127	0.175	/
Ant.4	Full Power	QPSK	Right Edge	10	21100	2535	1	HIGH	0.00	0.157	23.48	24.00	1.127	0.177	/
Ant.4	Full Power	QPSK	Top Edge	11	21100	2535	1	HIGH	0.07	0.901	23.48	24.00	1.127	1.015	/
Ant.4	Full Power	QPSK	Front Side	9	21100	2535	50	HIGH	0.05	0.200	21.96	23.00	1.271	0.254	/
Ant.4	Full Power	QPSK	Back Side	10	21100	2535	50	HIGH	0.01	0.159	21.96	23.00	1.271	0.202	/
Ant.4	Full Power	QPSK	Right Edge	10	21100	2535	50	HIGH	0.11	0.155	21.96	23.00	1.271	0.197	/
Ant.4	Full Power	QPSK	Top Edge	11	21100	2535	50	HIGH	0.19	0.663	21.96	23.00	1.271	0.843	/
Sensor n-1 (Close)															
Ant.4	Full Power	QPSK	Front Side	9	21100	2535	1	LOW	-0.06	0.304	23.48	24.00	1.127	0.343	/
Ant.4	Full Power	QPSK	Back Side	10	21100	2535	1	LOW	-0.11	0.050	23.48	24.00	1.127	0.056	/
Ant.4	Full Power	QPSK	Right Edge	10	21100	2535	1	LOW	-0.15	0.174	23.48	24.00	1.127	0.196	/

Ant.4	Full Power	QPSK	Bottom Edge	11	21100	2535	1	LOW	-0.17	0.444	23.48	24.00	1.127	0.500	/
Ant.4	Full Power	QPSK	Front Side	9	21100	2535	50	LOW	0.13	0.315	21.96	23.00	1.271	0.400	/
Ant.4	Full Power	QPSK	Back Side	10	21100	2535	50	LOW	-0.06	0.057	21.96	23.00	1.271	0.072	/
Ant.4	Full Power	QPSK	Right Edge	10	21100	2535	50	LOW	-0.12	0.178	21.96	23.00	1.271	0.226	/
Ant.4	Full Power	QPSK	Bottom Edge	11	21100	2535	50	LOW	0.18	0.338	21.96	23.00	1.271	0.430	/

11.10 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	State3	QPSK	Left Cheek	0	23095	707.5	1	HIGH	-0.10	0.200	18.28	19.50	1.324	0.265	/
	State3		Left Tilt	0	23095	707.5	1	HIGH	-0.02	0.084	18.28	19.50	1.324	0.111	/
	State3		Right Cheek	0	23095	707.5	1	HIGH	0.01	0.484	18.28	19.50	1.324	0.641	/
	State3		Right Tilt	0	23095	707.5	1	HIGH	0.16	0.127	18.28	19.50	1.324	0.168	/
	State3		Left Cheek	0	23095	707.5	25	LOW	0.02	0.173	18.35	19.50	1.303	0.225	/
	State3		Left Tilt	0	23095	707.5	25	LOW	0.02	0.075	18.35	19.50	1.303	0.098	/
	State3		Right Cheek	0	23095	707.5	25	LOW	0.04	0.427	18.35	19.50	1.303	0.556	/
	State3		Right Tilt	0	23095	707.5	25	LOW	0.04	0.111	18.35	19.50	1.303	0.145	/
Ant.0	State6	QPSK	Left Cheek	0	23095	707.5	1	HIGH	0.14	0.100	15.38	16.50	1.294	0.129	/
	State6		Left Tilt	0	23095	707.5	1	HIGH	0.08	0.042	15.38	16.50	1.294	0.054	/
	State6		Right Cheek	0	23095	707.5	1	HIGH	0.18	0.244	15.38	16.50	1.294	0.316	/
	State6		Right Tilt	0	23095	707.5	1	HIGH	0.07	0.064	15.38	16.50	1.294	0.083	/
	State6		Left Cheek	0	23095	707.5	25	LOW	-0.13	0.087	15.32	16.50	1.312	0.114	/
	State6		Left Tilt	0	23095	707.5	25	LOW	-0.13	0.038	15.32	16.50	1.312	0.050	/
	State6		Right Cheek	0	23095	707.5	25	LOW	0.12	0.214	15.32	16.50	1.312	0.281	/
	State6		Right Tilt	0	23095	707.5	25	LOW	0.19	0.056	15.32	16.50	1.312	0.073	/
Ant.1	State3&6	QPSK	Left Cheek	0	23095	707.5	1	HIGH	0.04	0.073	23.99	24.80	1.205	0.088	/
	State3&6		Left Tilt	0	23095	707.5	1	HIGH	0.18	0.035	23.99	24.80	1.205	0.042	/
	State3&6		Right Cheek	0	23095	707.5	1	HIGH	-0.14	0.045	23.99	24.80	1.205	0.054	/
	State3&6		Right Tilt	0	23095	707.5	1	HIGH	-0.15	0.021	23.99	24.80	1.205	0.025	/
	State3&6		Left Cheek	0	23095	707.5	25	LOW	-0.05	0.060	22.96	23.80	1.213	0.073	/
	State3&6		Left Tilt	0	23095	707.5	25	LOW	0.11	0.031	22.96	23.80	1.213	0.038	/
	State3&6		Right Cheek	0	23095	707.5	25	LOW	0.05	0.039	22.96	23.80	1.213	0.047	/
	State3&6		Right Tilt	0	23095	707.5	25	LOW	0.14	0.018	22.96	23.80	1.213	0.022	/
Body-worn (Open)															
Ant.0	State1	QPSK	Front Side	15	23095	707.5	1	HIGH	-0.11	0.185	23.58	24.50	1.236	0.229	/
	State1		Back Side	15	23095	707.5	1	HIGH	-0.03	0.145	23.58	24.50	1.236	0.179	/
	State1		Front Side	15	23095	707.5	25	HIGH	0.12	0.167	22.56	23.50	1.242	0.207	/
	State1		Back Side	15	23095	707.5	25	HIGH	0.05	0.134	22.56	23.50	1.242	0.166	/
Ant.1	State4	QPSK	Front Side	15	23095	707.5	1	HIGH	0.17	0.102	20.39	21.50	1.291	0.132	/
	State4		Back Side	15	23095	707.5	1	HIGH	0.00	0.079	20.39	21.50	1.291	0.102	/
	State4		Front Side	15	23095	707.5	25	MID	0.06	0.084	20.31	21.50	1.315	0.110	/
	State4		Back Side	15	23095	707.5	25	MID	0.02	0.067	20.31	21.50	1.315	0.088	/
Ant.0	State1	QPSK	Front Side	15	23095	707.5	1	HIGH	-0.01	0.196	23.99	24.80	1.205	0.236	32#
	State1		Back Side	15	23095	707.5	1	HIGH	-0.18	0.185	23.99	24.80	1.205	0.223	/

	State1		Front Side	15	23095	707.5	25	LOW	0.02	0.158	22.96	23.80	1.213	0.192	/
	State1		Back Side	15	23095	707.5	25	LOW	0.17	0.149	22.96	23.80	1.213	0.181	/
Ant.1	State4	QPSK	Front Side	15	23095	707.5	1	HIGH	-0.09	0.105	20.71	21.80	1.285	0.135	/
	State4		Back Side	15	23095	707.5	1	HIGH	-0.19	0.100	20.71	21.80	1.285	0.129	/
	State4		Front Side	15	23095	707.5	25	LOW	-0.03	0.084	20.73	21.80	1.279	0.107	/
	State4		Back Side	15	23095	707.5	25	LOW	-0.04	0.080	20.73	21.80	1.279	0.102	/
Body-worn Close)															
Ant.0	State1	QPSK	Front Side	15	23095	707.5	1	HIGH	0.18	0.050	23.58	24.50	1.236	0.062	/
	State1		Back Side	15	23095	707.5	1	HIGH	0.14	0.026	23.58	24.50	1.236	0.032	/
	State1		Front Side	15	23095	707.5	25	HIGH	-0.02	0.048	22.56	23.50	1.242	0.060	/
	State1		Back Side	15	23095	707.5	25	HIGH	0.08	0.021	22.56	23.50	1.242	0.026	/
Ant.1	State4	QPSK	Front Side	15	23095	707.5	1	HIGH	0.10	0.025	20.39	21.50	1.291	0.032	/
	State4		Back Side	15	23095	707.5	1	HIGH	0.11	0.013	20.39	21.50	1.291	0.017	/
	State4		Front Side	15	23095	707.5	25	MID	-0.09	0.024	20.31	21.50	1.315	0.032	/
	State4		Back Side	15	23095	707.5	25	MID	0.08	0.011	20.31	21.50	1.315	0.014	/
Ant.0	State1	QPSK	Front Side	15	23095	707.5	1	HIGH	0.03	0.085	23.99	24.80	1.205	0.102	/
	State1		Back Side	15	23095	707.5	1	HIGH	0.02	0.183	23.99	24.80	1.205	0.221	/
	State1		Front Side	15	23095	707.5	25	LOW	0.02	0.069	22.96	23.80	1.213	0.084	/
	State1		Back Side	15	23095	707.5	25	LOW	-0.09	0.141	22.96	23.80	1.213	0.171	/
Ant.1	State4	QPSK	Front Side	15	23095	707.5	1	HIGH	-0.04	0.044	20.71	21.80	1.285	0.057	/
	State4		Back Side	15	23095	707.5	1	HIGH	0.04	0.089	20.71	21.80	1.285	0.114	/
	State4		Front Side	15	23095	707.5	25	LOW	0.03	0.032	20.73	21.80	1.279	0.041	/
	State4		Back Side	15	23095	707.5	25	LOW	-0.08	0.071	20.73	21.80	1.279	0.091	/
Hotspot (Open)															
Ant.0	State4	QPSK	Front Side	10	23095	707.5	1	HIGH	-0.11	0.212	20.39	21.50	1.291	0.274	/
	State4		Back Side	10	23095	707.5	1	HIGH	0.17	0.168	20.39	21.50	1.291	0.217	/
	State4		Right Edge	10	23095	707.5	1	HIGH	0.01	0.318	20.39	21.50	1.291	0.411	33#
	State4		Top Edge	10	23095	707.5	1	HIGH	-0.18	0.041	20.39	21.50	1.291	0.053	/
	State4		Front Side	10	23095	707.5	25	MID	-0.19	0.172	20.31	21.50	1.315	0.226	/
	State4		Back Side	10	23095	707.5	25	MID	-0.08	0.132	20.31	21.50	1.315	0.174	/
	State4		Right Edge	10	23095	707.5	25	MID	-0.13	0.246	20.31	21.50	1.315	0.323	/
	State4		Top Edge	10	23095	707.5	25	MID	0.15	0.035	20.31	21.50	1.315	0.046	/
Ant.1	State4	QPSK	Front Side	10	23095	707.5	1	HIGH	-0.03	0.202	20.71	21.80	1.285	0.260	/
	State4		Back Side	10	23095	707.5	1	HIGH	-0.16	0.170	20.71	21.80	1.285	0.218	/
	State4		Left Edge	10	23095	707.5	1	HIGH	-0.17	0.111	20.71	21.80	1.285	0.143	/
	State4		Bottom Edge	10	23095	707.5	1	HIGH	0.14	0.120	20.71	21.80	1.285	0.154	/
	State4		Front Side	10	23095	707.5	25	LOW	-0.05	0.163	20.73	21.80	1.279	0.208	/
	State4		Back Side	10	23095	707.5	25	LOW	-0.15	0.137	20.73	21.80	1.279	0.175	/
	State4		Left Edge	10	23095	707.5	25	LOW	0.05	0.089	20.73	21.80	1.279	0.114	/
	State4		Bottom Edge	10	23095	707.5	25	LOW	0.12	0.093	20.73	21.80	1.279	0.119	/
Hotspot (Close)															
Ant.0	State4	QPSK	Front Side	10	23095	707.5	1	HIGH	0.16	0.059	20.39	21.50	1.291	0.076	/
	State4		Back Side	10	23095	707.5	1	HIGH	0.01	0.034	20.39	21.50	1.291	0.044	/

	State4		Right Edge	10	23095	707.5	1	HIGH	-0.17	0.087	20.39	21.50	1.291	0.112	33#
	State4		Top Edge	10	23095	707.5	1	HIGH	-0.14	0.026	20.39	21.50	1.291	0.034	/
	State4		Front Side	10	23095	707.5	25	MID	0.06	0.051	20.31	21.50	1.315	0.067	/
	State4		Back Side	10	23095	707.5	25	MID	0.12	0.031	20.31	21.50	1.315	0.041	/
	State4		Right Edge	10	23095	707.5	25	MID	-0.06	0.075	20.31	21.50	1.315	0.099	/
	State4		Top Edge	10	23095	707.5	25	MID	0.12	0.021	20.31	21.50	1.315	0.028	/
Ant.1	State4	QPSK	Front Side	10	23095	707.5	1	HIGH	-0.04	0.035	20.71	21.80	1.285	0.045	/
	State4		Back Side	10	23095	707.5	1	HIGH	-0.06	0.163	20.71	21.80	1.285	0.209	/
	State4		Left Edge	10	23095	707.5	1	HIGH	0.12	0.087	20.71	21.80	1.285	0.112	/
	State4		Bottom Edge	10	23095	707.5	1	HIGH	0.17	0.121	20.71	21.80	1.285	0.155	/
	State4		Front Side	10	23095	707.5	25	LOW	-0.15	0.026	20.73	21.80	1.279	0.033	/
	State4		Back Side	10	23095	707.5	25	LOW	-0.07	0.143	20.73	21.80	1.279	0.183	/
	State4		Left Edge	10	23095	707.5	25	LOW	0.03	0.081	20.73	21.80	1.279	0.104	/
	State4		Bottom Edge	10	23095	707.5	25	LOW	-0.06	0.115	20.73	21.80	1.279	0.147	/

11.11 LTE Band 17 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.0	State3	QPSK	Left Cheek	0	23780	709	1	MID	0.17	0.204	18.37	19.50	1.297	0.265	/
	State3		Left Tilt	0	23780	709	1	MID	-0.13	0.087	18.37	19.50	1.297	0.113	/
	State3		Right Cheek	0	23780	709	1	MID	0.00	0.510	18.37	19.50	1.297	0.661	34#
	State3		Right Tilt	0	23780	709	1	MID	-0.13	0.130	18.37	19.50	1.297	0.169	/
	State3		Left Cheek	0	23780	709	25	LOW	0.05	0.178	18.55	19.50	1.245	0.222	/
	State3		Left Tilt	0	23780	709	25	LOW	0.01	0.075	18.55	19.50	1.245	0.093	/
	State3		Right Cheek	0	23780	709	25	LOW	0.11	0.452	18.55	19.50	1.245	0.563	/
	State3		Right Tilt	0	23780	709	25	LOW	0.12	0.113	18.55	19.50	1.245	0.141	/
Ant.0	State6	QPSK	Left Cheek	0	23780	709	1	MID	-0.06	0.102	15.40	16.50	1.288	0.131	/
	State6		Left Tilt	0	23780	709	1	MID	-0.04	0.044	15.40	16.50	1.288	0.057	/
	State6		Right Cheek	0	23780	709	1	MID	-0.04	0.266	15.40	16.50	1.288	0.343	/
	State6		Right Tilt	0	23780	709	1	MID	0.06	0.065	15.40	16.50	1.288	0.084	/
	State6		Left Cheek	0	23780	709	25	LOW	0.03	0.089	15.45	16.50	1.274	0.113	/
	State6		Left Tilt	0	23780	709	25	LOW	-0.13	0.038	15.45	16.50	1.274	0.048	/
	State6		Right Cheek	0	23780	709	25	LOW	0.19	0.227	15.45	16.50	1.274	0.289	/
	State6		Right Tilt	0	23780	709	25	LOW	0.01	0.057	15.45	16.50	1.274	0.073	/
Ant.1	State3&6	QPSK	Left Cheek	0	23780	709	1	MID	0.01	0.079	24.01	24.80	1.199	0.095	/
	State3&6		Left Tilt	0	23780	709	1	MID	0.17	0.042	24.01	24.80	1.199	0.050	/
	State3&6		Right Cheek	0	23780	709	1	MID	0.17	0.043	24.01	24.80	1.199	0.052	/
	State3&6		Right Tilt	0	23780	709	1	MID	-0.09	0.025	24.01	24.80	1.199	0.030	/
	State3&6		Left Cheek	0	23780	709	25	LOW	0.14	0.062	23.05	23.80	1.189	0.074	/
	State3&6		Left Tilt	0	23780	709	25	LOW	0.06	0.035	23.05	23.80	1.189	0.042	/
	State3&6		Right Cheek	0	23780	709	25	LOW	-0.08	0.039	23.05	23.80	1.189	0.046	/
	State3&6		Right Tilt	0	23780	709	25	LOW	0.11	0.021	23.05	23.80	1.189	0.025	/
Body-worn (Open)															
Ant.0	State1	QPSK	Front Side	15	23780	709	1	MID	-0.13	0.185	23.63	24.50	1.222	0.226	/
	State1		Back Side	15	23780	709	1	MID	0.19	0.165	23.63	24.50	1.222	0.202	/
	State1		Front Side	15	23780	709	25	LOW	0.10	0.174	22.58	23.50	1.236	0.215	/
	State1		Back Side	15	23780	709	25	LOW	0.19	0.137	22.58	23.50	1.236	0.169	/
Ant.1	State4	QPSK	Front Side	15	23780	709	1	MID	0.16	0.103	20.38	21.50	1.294	0.133	/
	State4		Back Side	15	23780	709	1	MID	0.16	0.083	20.38	21.50	1.294	0.107	/
	State4		Front Side	15	23780	709	25	LOW	-0.15	0.087	20.47	21.50	1.268	0.110	/
	State4		Back Side	15	23780	709	25	LOW	-0.17	0.069	20.47	21.50	1.268	0.087	/
Ant.0	State1	QPSK	Front Side	15	23780	709	1	MID	-0.01	0.201	24.01	24.80	1.199	0.241	35#
	State1		Back Side	15	23780	709	1	MID	0.18	0.195	24.01	24.80	1.199	0.234	/

	State1		Front Side	15	23780	709	25	LOW	0.02	0.170	23.05	23.80	1.189	0.202	/
	State1		Back Side	15	23780	709	25	LOW	-0.17	0.163	23.05	23.80	1.189	0.194	/
Ant.1	State4	QPSK	Front Side	15	23780	709	1	MID	-0.02	0.106	20.79	21.80	1.262	0.134	/
	State4		Back Side	15	23780	709	1	MID	0.09	0.102	20.79	21.80	1.262	0.129	/
	State4		Front Side	15	23780	709	25	LOW	0.17	0.085	20.88	21.80	1.236	0.105	/
	State4		Back Side	15	23780	709	25	LOW	-0.17	0.082	20.88	21.80	1.236	0.101	/
Body-worn Close)															
Ant.0	State1	QPSK	Front Side	15	23780	709	1	MID	0.03	0.049	23.63	24.50	1.222	0.060	/
	State1		Back Side	15	23780	709	1	MID	0.15	0.019	23.63	24.50	1.222	0.023	/
	State1		Front Side	15	23780	709	25	LOW	-0.06	0.044	22.58	23.50	1.236	0.054	/
	State1		Back Side	15	23780	709	25	LOW	0.02	0.013	22.58	23.50	1.236	0.016	/
Ant.1	State4	QPSK	Front Side	15	23780	709	1	MID	0.19	0.025	20.38	21.50	1.294	0.032	/
	State4		Back Side	15	23780	709	1	MID	0.12	0.011	20.38	21.50	1.294	0.014	/
	State4		Front Side	15	23780	709	25	LOW	-0.02	0.022	20.47	21.50	1.268	0.028	/
	State4		Back Side	15	23780	709	25	LOW	0.08	0.007	20.47	21.50	1.268	0.009	/
Ant.0	State1	QPSK	Front Side	15	23780	709	1	MID	-0.09	0.102	24.01	24.80	1.199	0.122	/
	State1		Back Side	15	23780	709	1	MID	0.01	0.187	24.01	24.80	1.199	0.224	/
	State1		Front Side	15	23780	709	25	LOW	0.15	0.098	23.05	23.80	1.189	0.117	/
	State1		Back Side	15	23780	709	25	LOW	0.13	0.156	23.05	23.80	1.189	0.185	/
Ant.1	State4	QPSK	Front Side	15	23780	709	1	MID	0.03	0.053	20.79	21.80	1.262	0.067	/
	State4		Back Side	15	23780	709	1	MID	-0.03	0.089	20.79	21.80	1.262	0.112	/
	State4		Front Side	15	23780	709	25	LOW	-0.13	0.047	20.88	21.80	1.236	0.058	/
	State4		Back Side	15	23780	709	25	LOW	-0.03	0.069	20.88	21.80	1.236	0.085	/
Hotspot (Open)															
Ant.0	State4	QPSK	Front Side	10	23780	709	1	MID	-0.09	0.196	20.38	21.50	1.294	0.254	/
	State4		Back Side	10	23780	709	1	MID	0.00	0.154	20.38	21.50	1.294	0.199	/
	State4		Right Edge	10	23780	709	1	MID	-0.03	0.328	20.38	21.50	1.294	0.424	36#
	State4		Top Edge	10	23780	709	1	MID	0.18	0.031	20.38	21.50	1.294	0.040	/
	State4		Front Side	10	23780	709	25	LOW	0.08	0.172	20.47	21.50	1.268	0.218	/
	State4		Back Side	10	23780	709	25	LOW	0.14	0.135	20.47	21.50	1.268	0.171	/
	State4		Right Edge	10	23780	709	25	LOW	-0.17	0.255	20.47	21.50	1.268	0.323	/
	State4		Top Edge	10	23780	709	25	LOW	0.03	0.025	20.47	21.50	1.268	0.032	/
Ant.1	State4	QPSK	Front Side	10	23780	709	1	MID	-0.14	0.201	20.79	21.80	1.262	0.254	/
	State4		Back Side	10	23780	709	1	MID	-0.12	0.178	20.79	21.80	1.262	0.225	/
	State4		Left Edge	10	23780	709	1	MID	0.05	0.115	20.79	21.80	1.262	0.145	/
	State4		Bottom Edge	10	23780	709	1	MID	-0.07	0.137	20.79	21.80	1.262	0.173	/
	State4		Front Side	10	23780	709	25	LOW	-0.03	0.164	20.88	21.80	1.236	0.203	/
	State4		Back Side	10	23780	709	25	LOW	-0.08	0.142	20.88	21.80	1.236	0.176	/
	State4		Left Edge	10	23780	709	25	LOW	0.04	0.094	20.88	21.80	1.236	0.116	/
	State4		Bottom Edge	10	23780	709	25	LOW	-0.06	0.107	20.88	21.80	1.236	0.132	/
Hotspot (Close)															
Ant.0	State4	QPSK	Front Side	10	23780	709	1	MID	0.12	0.064	20.38	21.50	1.294	0.083	/
	State4		Back Side	10	23780	709	1	MID	0.09	0.034	20.38	21.50	1.294	0.044	/

	State4		Right Edge	10	23780	709	1	MID	-0.18	0.093	20.38	21.50	1.294	0.120	/
	State4		Top Edge	10	23780	709	1	MID	-0.12	0.018	20.38	21.50	1.294	0.023	/
	State4		Front Side	10	23780	709	25	LOW	0.07	0.051	20.47	21.50	1.268	0.065	/
	State4		Back Side	10	23780	709	25	LOW	-0.01	0.029	20.47	21.50	1.268	0.037	/
	State4		Right Edge	10	23780	709	25	LOW	0.06	0.076	20.47	21.50	1.268	0.096	/
	State4		Top Edge	10	23780	709	25	LOW	-0.13	0.011	20.47	21.50	1.268	0.014	/
Ant.1	State4	QPSK	Front Side	10	23780	709	1	MID	0.15	0.030	20.79	21.80	1.262	0.038	/
	State4		Back Side	10	23780	709	1	MID	0.06	0.150	20.79	21.80	1.262	0.189	/
	State4		Left Edge	10	23780	709	1	MID	0.13	0.085	20.79	21.80	1.262	0.107	/
	State4		Bottom Edge	10	23780	709	1	MID	-0.15	0.102	20.79	21.80	1.262	0.129	/
	State4		Front Side	10	23780	709	25	LOW	-0.06	0.025	20.88	21.80	1.236	0.031	/
	State4		Back Side	10	23780	709	25	LOW	0.07	0.127	20.88	21.80	1.236	0.157	/
	State4		Left Edge	10	23780	709	25	LOW	0.06	0.072	20.88	21.80	1.236	0.089	/
	State4		Bottom Edge	10	23780	709	25	LOW	0.00	0.082	20.88	21.80	1.236	0.101	/

11.12 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	State3	QPSK	Left Cheek	0	26965	841.5	1	MID	-0.11	0.239	18.55	20.00	1.396	0.334	/
	State3		Left Tilt	0	26965	841.5	1	MID	0.02	0.087	18.55	20.00	1.396	0.121	/
	State3		Right Cheek	0	26965	841.5	1	MID	0.01	0.565	18.55	20.00	1.396	0.789	37#
	State3		Right Tilt	0	26965	841.5	1	MID	0.19	0.140	18.55	20.00	1.396	0.195	/
	State3		Left Cheek	0	26965	841.5	36	LOW	-0.14	0.183	18.58	20.00	1.387	0.254	/
	State3		Left Tilt	0	26965	841.5	36	LOW	0.04	0.066	18.58	20.00	1.387	0.092	/
	State3		Right Cheek	0	26965	841.5	36	LOW	-0.08	0.437	18.58	20.00	1.387	0.606	/
	State3		Right Tilt	0	26965	841.5	36	LOW	0.15	0.108	18.58	20.00	1.387	0.150	/
Ant.0	State6	QPSK	Left Cheek	0	26965	841.5	1	MID	-0.05	0.119	15.55	17.00	1.396	0.166	/
	State6		Left Tilt	0	26965	841.5	1	MID	0.13	0.044	15.55	17.00	1.396	0.061	/
	State6		Right Cheek	0	26965	841.5	1	MID	0.11	0.283	15.55	17.00	1.396	0.395	/
	State6		Right Tilt	0	26965	841.5	1	MID	-0.08	0.070	15.55	17.00	1.396	0.098	/
	State6		Left Cheek	0	26965	841.5	36	LOW	-0.17	0.092	15.58	17.00	1.387	0.128	/
	State6		Left Tilt	0	26965	841.5	36	LOW	0.08	0.033	15.58	17.00	1.387	0.046	/
	State6		Right Cheek	0	26965	841.5	36	LOW	-0.07	0.219	15.58	17.00	1.387	0.304	/
	State6		Right Tilt	0	26965	841.5	36	LOW	0.03	0.054	15.58	17.00	1.387	0.075	/
Ant.1	State3&6	QPSK	Left Cheek	0	26865	831.5	1	LOW	0.15	0.061	24.05	25.00	1.245	0.076	/
	State3&6		Left Tilt	0	26865	831.5	1	LOW	-0.17	0.025	24.05	25.00	1.245	0.031	/
	State3&6		Right Cheek	0	26865	831.5	1	LOW	0.01	0.033	24.05	25.00	1.245	0.041	/
	State3&6		Right Tilt	0	26865	831.5	1	LOW	-0.13	0.016	24.05	25.00	1.245	0.020	/
	State3&6		Left Cheek	0	26865	831.5	36	LOW	-0.08	0.054	23.18	24.00	1.208	0.065	/
	State3&6		Left Tilt	0	26865	831.5	36	LOW	-0.07	0.021	23.18	24.00	1.208	0.025	/
	State3&6		Right Cheek	0	26865	831.5	36	LOW	-0.17	0.031	23.18	24.00	1.208	0.037	/
	State3&6		Right Tilt	0	26865	831.5	36	LOW	-0.18	0.011	23.18	24.00	1.208	0.013	/
Body-worn (Open)															
Ant.0	State1	QPSK	Front Side	15	26965	841.5	1	HIGH	0.00	0.238	23.77	25.00	1.327	0.316	38#
	State1		Back Side	15	26965	841.5	1	HIGH	0.12	0.155	23.77	25.00	1.327	0.206	/
	State1		Front Side	15	26965	841.5	36	LOW	-0.09	0.161	22.95	24.00	1.274	0.205	/
	State1		Back Side	15	26965	841.5	36	LOW	-0.03	0.121	22.95	24.00	1.274	0.154	/
Ant.1	State4	QPSK	Front Side	15	26965	841.5	1	LOW	-0.03	0.097	20.51	22.00	1.409	0.137	/
	State4		Back Side	15	26965	841.5	1	LOW	0.16	0.078	20.51	22.00	1.409	0.110	/
	State4		Front Side	15	26965	841.5	36	MID	-0.16	0.081	20.55	22.00	1.396	0.113	/
	State4		Back Side	15	26965	841.5	36	MID	-0.19	0.061	20.55	22.00	1.396	0.085	/
Ant.0	State1	QPSK	Front Side	15	26865	831.5	1	LOW	-0.19	0.189	24.05	25.00	1.245	0.235	/

	State1		Back Side	15	26865	831.5	1	LOW	0.12	0.178	24.05	25.00	1.245	0.222	/
	State1		Front Side	15	26865	831.5	36	LOW	0.00	0.147	23.18	24.00	1.208	0.178	/
	State1		Back Side	15	26865	831.5	36	LOW	-0.04	0.141	23.18	24.00	1.208	0.170	/
Ant.1	State4	QPSK	Front Side	15	26865	831.5	1	LOW	0.13	0.095	20.98	22.00	1.265	0.120	/
	State4		Back Side	15	26865	831.5	1	LOW	0.15	0.089	20.98	22.00	1.265	0.113	/
	State4		Front Side	15	26865	831.5	36	LOW	-0.17	0.074	20.99	22.00	1.262	0.093	/
	State4		Back Side	15	26865	831.5	36	LOW	-0.02	0.069	20.99	22.00	1.262	0.087	/
Body-worn Close)															
Ant.0	State1	QPSK	Front Side	15	26965	841.5	1	HIGH	0.01	0.055	23.77	25.00	1.327	0.073	/
	State1		Back Side	15	26965	841.5	1	HIGH	-0.11	0.018	23.77	25.00	1.327	0.024	/
	State1		Front Side	15	26965	841.5	36	LOW	-0.15	0.049	22.95	24.00	1.274	0.062	/
	State1		Back Side	15	26965	841.5	36	LOW	0.18	0.011	22.95	24.00	1.274	0.014	/
Ant.1	State4	QPSK	Front Side	15	26965	841.5	1	LOW	-0.17	0.028	20.51	22.00	1.409	0.039	/
	State4		Back Side	15	26965	841.5	1	LOW	0.05	0.009	20.51	22.00	1.409	0.013	/
	State4		Front Side	15	26965	841.5	36	MID	0.16	0.025	20.55	22.00	1.396	0.035	/
	State4		Back Side	15	26965	841.5	36	MID	-0.13	0.005	20.55	22.00	1.396	0.007	/
Ant.0	State1	QPSK	Front Side	15	26865	831.5	1	LOW	0.07	0.043	24.05	25.00	1.245	0.054	/
	State1		Back Side	15	26865	831.5	1	LOW	-0.13	0.091	24.05	25.00	1.245	0.113	/
	State1		Front Side	15	26865	831.5	36	LOW	0.19	0.036	23.18	24.00	1.208	0.043	/
	State1		Back Side	15	26865	831.5	36	LOW	-0.17	0.085	23.18	24.00	1.208	0.103	/
Ant.1	State4	QPSK	Front Side	15	26865	831.5	1	LOW	0.15	0.021	20.98	22.00	1.265	0.027	/
	State4		Back Side	15	26865	831.5	1	LOW	-0.04	0.045	20.98	22.00	1.265	0.057	/
	State4		Front Side	15	26865	831.5	36	LOW	0.01	0.018	20.99	22.00	1.262	0.023	/
	State4		Back Side	15	26865	831.5	36	LOW	-0.03	0.041	20.99	22.00	1.262	0.052	/
Hotspot (Open)															
Ant.0	State4	QPSK	Front Side	10	26965	841.5	1	LOW	-0.01	0.253	20.51	22.00	1.409	0.356	/
	State4		Back Side	10	26965	841.5	1	LOW	0.12	0.184	20.51	22.00	1.409	0.259	/
	State4		Right Edge	10	26965	841.5	1	LOW	0.01	0.352	20.51	22.00	1.409	0.496	39#
	State4		Top Edge	10	26965	841.5	1	LOW	0.05	0.052	20.51	22.00	1.409	0.073	/
	State4		Front Side	10	26965	841.5	36	MID	0.06	0.211	20.55	22.00	1.396	0.295	/
	State4		Back Side	10	26965	841.5	36	MID	0.12	0.165	20.55	22.00	1.396	0.230	/
	State4		Right Edge	10	26965	841.5	36	MID	-0.12	0.312	20.55	22.00	1.396	0.436	/
	State4		Top Edge	10	26965	841.5	36	MID	0.03	0.036	20.55	22.00	1.396	0.050	/
Ant.1	State4	QPSK	Front Side	10	26865	831.5	1	LOW	0.13	0.167	20.98	22.00	1.265	0.211	/
	State4		Back Side	10	26865	831.5	1	LOW	-0.18	0.153	20.98	22.00	1.265	0.194	/
	State4		Left Edge	10	26865	831.5	1	LOW	0.19	0.106	20.98	22.00	1.265	0.134	/
	State4		Bottom Edge	10	26865	831.5	1	LOW	0.11	0.137	20.98	22.00	1.265	0.173	/
	State4		Front Side	10	26865	831.5	36	LOW	-0.18	0.131	20.99	22.00	1.262	0.165	/
	State4		Back Side	10	26865	831.5	36	LOW	-0.10	0.119	20.99	22.00	1.262	0.150	/
	State4		Left Edge	10	26865	831.5	36	LOW	-0.10	0.084	20.99	22.00	1.262	0.106	/
	State4		Bottom Edge	10	26865	831.5	36	LOW	-0.08	0.105	20.99	22.00	1.262	0.133	/

Hotspot (Close)															
Ant.0	State4	QPSK	Front Side	10	26965	841.5	1	LOW	-0.14	0.101	20.51	22.00	1.409	0.142	/
	State4		Back Side	10	26965	841.5	1	LOW	0.04	0.036	20.51	22.00	1.409	0.051	/
	State4		Right Edge	10	26965	841.5	1	LOW	-0.09	0.212	20.51	22.00	1.409	0.299	/
	State4		Top Edge	10	26965	841.5	1	LOW	0.17	0.025	20.51	22.00	1.409	0.035	/
	State4		Front Side	10	26965	841.5	36	MID	0.04	0.098	20.55	22.00	1.396	0.137	/
	State4		Back Side	10	26965	841.5	36	MID	0.09	0.032	20.55	22.00	1.396	0.045	/
	State4		Right Edge	10	26965	841.5	36	MID	-0.12	0.196	20.55	22.00	1.396	0.274	/
	State4		Top Edge	10	26965	841.5	36	MID	-0.06	0.021	20.55	22.00	1.396	0.029	/
Ant.1	State4	QPSK	Front Side	10	26865	831.5	1	LOW	0.02	0.028	20.98	22.00	1.265	0.035	/
	State4		Back Side	10	26865	831.5	1	LOW	0.03	0.114	20.98	22.00	1.265	0.144	/
	State4		Left Edge	10	26865	831.5	1	LOW	-0.10	0.075	20.98	22.00	1.265	0.095	/
	State4		Bottom Edge	10	26865	831.5	1	LOW	0.10	0.088	20.98	22.00	1.265	0.111	/
	State4		Front Side	10	26865	831.5	36	LOW	0.04	0.024	20.99	22.00	1.262	0.030	/
	State4		Back Side	10	26865	831.5	36	LOW	0.06	0.093	20.99	22.00	1.262	0.117	/
	State4		Left Edge	10	26865	831.5	36	LOW	0.17	0.060	20.99	22.00	1.262	0.076	/
	State4		Bottom Edge	10	26865	831.5	36	LOW	-0.05	0.066	20.99	22.00	1.262	0.083	/

11.13 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	State3&6	QPSK	Left Cheek	0	132322	1745	1	LOW	0.09	0.370	23.56	24.20	1.159	0.429	/
	State3&6		Left Tilt	0	132322	1745	1	LOW	-0.11	0.493	23.56	24.20	1.159	0.571	/
	State3&6		Right Cheek	0	132322	1745	1	LOW	-0.11	0.765	23.56	24.20	1.159	0.887	/
	State3&6		Right Tilt	0	132322	1745	1	LOW	0.03	0.565	23.56	24.20	1.159	0.655	/
	State3&6		Left Cheek	0	132322	1745	50	HIGH	-0.19	0.319	22.49	23.20	1.178	0.376	/
	State3&6		Left Tilt	0	132322	1745	50	HIGH	-0.07	0.415	22.49	23.20	1.178	0.489	/
	State3&6		Right Cheek	0	132322	1745	50	HIGH	-0.18	0.681	22.49	23.20	1.178	0.802	/
	State3&6		Right Tilt	0	132322	1745	50	HIGH	0.05	0.499	22.49	23.20	1.178	0.588	/
	State3&6		Right Cheek	0	132072	1720	1	HIGH	0.16	0.759	23.51	24.20	1.172	0.890	/
	State3&6		Right Cheek	0	132572	1770	1	HIGH	0.02	0.965	23.45	24.20	1.189	1.147	40#
	State3&6		Right Cheek	0	132072	1720	50	HIGH	0.05	0.774	22.47	23.20	1.183	0.916	/
	State3&6		Right Cheek	0	132572	1770	50	HIGH	-0.08	0.819	22.42	23.20	1.197	0.980	/
	State3&6		Right Cheek	0	132322	1745	100	LOW	-0.07	0.798	22.39	23.20	1.205	0.962	/
Ant.5	State3&6	QPSK	Left Cheek	0	132072	1720	1	HIGH	-0.04	0.131	22.20	22.70	1.122	0.147	/
	State3&6		Left Tilt	0	132072	1720	1	HIGH	-0.13	0.034	22.20	22.70	1.122	0.038	/
	State3&6		Right Cheek	0	132072	1720	1	HIGH	0.16	0.287	22.20	22.70	1.122	0.322	/
	State3&6		Right Tilt	0	132072	1720	1	HIGH	0.16	0.056	22.20	22.70	1.122	0.063	/
	State3&6		Left Cheek	0	132072	1720	50	HIGH	-0.01	0.112	21.18	21.70	1.127	0.126	/
	State3&6		Left Tilt	0	132072	1720	50	HIGH	-0.12	0.023	21.18	21.70	1.127	0.026	/
	State3&6		Right Cheek	0	132072	1720	50	HIGH	-0.17	0.234	21.18	21.70	1.127	0.264	/
	State3&6		Right Tilt	0	132072	1720	50	HIGH	0.01	0.051	21.18	21.70	1.127	0.057	/
Ant.6	State3	QPSK (ENDC)	Left Cheek	0	132322	1745	1	MID	0.11	0.039	20.44	21.20	1.191	0.046	/
	State3		Left Tilt	0	132322	1745	1	MID	-0.19	0.015	20.44	21.20	1.191	0.018	/
	State3		Right Cheek	0	132322	1745	1	MID	-0.02	0.023	20.44	21.20	1.191	0.027	/
	State3		Right Tilt	0	132322	1745	1	MID	-0.08	0.009	20.44	21.20	1.191	0.011	/

	State3		Left Cheek	0	132322	1745	50	LOW	0.15	0.041	20.51	21.20	1.172	0.048	/
	State3		Left Tilt	0	132322	1745	50	LOW	0.07	0.014	20.51	21.20	1.172	0.016	/
	State3		Right Cheek	0	132322	1745	50	LOW	-0.06	0.019	20.51	21.20	1.172	0.022	/
	State3		Right Tilt	0	132322	1745	50	LOW	-0.07	0.008	20.51	21.20	1.172	0.009	/
Ant.6	State6	QPSK (ENDC)	Left Cheek	0	132322	1745	1	MID	0.11	0.020	17.56	18.20	1.159	0.023	/
	State6		Left Tilt	0	132322	1745	1	MID	0.03	0.008	17.56	18.20	1.159	0.009	/
	State6		Right Cheek	0	132322	1745	1	MID	0.15	0.012	17.56	18.20	1.159	0.014	/
	State6		Right Tilt	0	132322	1745	1	MID	0.16	0.005	17.56	18.20	1.159	0.006	/
	State6		Left Cheek	0	132322	1745	50	MID	0.14	0.021	17.53	18.20	1.167	0.025	/
	State6		Left Tilt	0	132322	1745	50	MID	0.19	0.007	17.53	18.20	1.167	0.008	/
	State6		Right Cheek	0	132322	1745	50	MID	-0.09	0.010	17.53	18.20	1.167	0.012	/
	State6		Right Tilt	0	132322	1745	50	MID	-0.05	0.004	17.53	18.20	1.167	0.005	/
Ant.0	State3	QPSK (ENDC)	Left Cheek	0	132572	1770	1	MID	-0.06	0.023	19.23	19.40	1.040	0.024	/
	State3		Left Tilt	0	132572	1770	1	MID	0.03	0.011	19.23	19.40	1.040	0.011	/
	State3		Right Cheek	0	132572	1770	1	MID	0.08	0.048	19.23	19.40	1.040	0.050	/
	State3		Right Tilt	0	132572	1770	1	MID	0.09	0.024	19.23	19.40	1.040	0.025	/
	State3		Left Cheek	0	132572	1770	50	HIGH	0.15	0.021	19.17	19.40	1.054	0.022	/
	State3		Left Tilt	0	132572	1770	50	HIGH	0.12	0.009	19.17	19.40	1.054	0.009	/
	State3		Right Cheek	0	132572	1770	50	HIGH	-0.04	0.042	19.17	19.40	1.054	0.044	/
	State3		Right Tilt	0	132572	1770	50	HIGH	0.03	0.018	19.17	19.40	1.054	0.019	/
Ant.0	State6	QPSK (ENDC)	Left Cheek	0	132572	1770	1	MID	0.12	0.012	16.19	16.40	1.050	0.013	/
	State6		Left Tilt	0	132572	1770	1	MID	-0.01	0.006	16.19	16.40	1.050	0.006	/
	State6		Right Cheek	0	132572	1770	1	MID	0.10	0.024	16.19	16.40	1.050	0.025	/
	State6		Right Tilt	0	132572	1770	1	MID	-0.15	0.012	16.19	16.40	1.050	0.013	/
	State6		Left Cheek	0	132572	1770	50	HIGH	0.02	0.011	16.15	16.40	1.059	0.012	/
	State6		Left Tilt	0	132572	1770	50	HIGH	-0.18	0.005	16.15	16.40	1.059	0.005	/
	State6		Right Cheek	0	132572	1770	50	HIGH	0.05	0.021	16.15	16.40	1.059	0.022	/
	State6		Right Tilt	0	132572	1770	50	HIGH	0.14	0.009	16.15	16.40	1.059	0.010	/
Head CA															
Body-worn (Open)															
Ant.4	State1	QPSK	Front Side	15	132322	1745	1	LOW	0.05	0.043	21.69	22.70	1.262	0.054	/
	State1		Back Side	15	132322	1745	1	LOW	0.01	0.046	21.69	22.70	1.262	0.058	41#
	State1		Front Side	15	132322	1745	50	LOW	0.08	0.036	21.67	22.70	1.268	0.046	/
	State1		Back Side	15	132322	1745	50	LOW	0.15	0.040	21.67	22.70	1.268	0.051	/
Ant.4	State4	QPSK	Front Side	15	132322	1745	1	HIGH	-0.17	0.022	18.65	19.70	1.274	0.028	/

	State4		Back Side	15	132322	1745	1	HIGH	-0.09	0.025	18.65	19.70	1.274	0.032	/
	State4		Front Side	15	132322	1745	50	MID	0.11	0.018	18.66	19.70	1.271	0.023	/
	State4		Back Side	15	132322	1745	50	MID	-0.06	0.020	18.66	19.70	1.271	0.025	/
Ant.5	State1	QPSK	Front Side	15	132072	1720	1	HIGH	0.07	0.015	20.78	21.70	1.236	0.019	/
	State1		Back Side	15	132072	1720	1	HIGH	0.14	0.037	20.78	21.70	1.236	0.046	/
	State1		Front Side	15	132072	1720	50	HIGH	-0.17	0.010	20.79	21.70	1.233	0.012	/
	State1		Back Side	15	132072	1720	50	HIGH	0.17	0.018	20.79	21.70	1.233	0.022	/
Ant.5	State4	QPSK	Front Side	15	132072	1720	1	HIGH	-0.03	0.011	17.77	18.70	1.239	0.014	/
	State4		Back Side	15	132072	1720	1	HIGH	-0.17	0.019	17.77	18.70	1.239	0.024	/
	State4		Front Side	15	132072	1720	50	HIGH	-0.02	0.005	17.88	18.70	1.208	0.006	/
	State4		Back Side	15	132072	1720	50	HIGH	-0.09	0.011	17.88	18.70	1.208	0.013	/
Ant.6	State1	QPSK (ENDC)	Front Side	15	132322	1745	1	LOW	0.19	0.013	22.45	23.20	1.189	0.015	/
	State1		Back Side	15	132322	1745	1	LOW	0.01	0.026	22.45	23.20	1.189	0.031	/
	State1		Front Side	15	132322	1745	50	MID	0.07	0.012	22.56	23.20	1.159	0.014	/
	State1		Back Side	15	132322	1745	50	MID	0.16	0.024	22.56	23.20	1.159	0.028	/
Ant.6	State4	QPSK (ENDC)	Front Side	15	132322	1745	1	HIGH	0.05	0.005	19.48	20.20	1.180	0.006	/
	State4		Back Side	15	132322	1745	1	HIGH	-0.10	0.013	19.48	20.20	1.180	0.015	/
	State4		Front Side	15	132322	1745	50	MID	-0.15	0.006	19.53	20.20	1.167	0.007	/
	State4		Back Side	15	132322	1745	50	MID	0.11	0.012	19.53	20.20	1.167	0.014	/
Ant.0	State1	QPSK (ENDC)	Front Side	15	132322	1745	1	LOW	0.03	0.014	21.23	21.40	1.040	0.015	/
	State1		Back Side	15	132322	1745	1	LOW	0.01	0.006	21.23	21.40	1.040	0.006	/
	State1		Front Side	15	132322	1745	50	HIGH	0.05	0.018	21.20	21.40	1.047	0.019	/
	State1		Back Side	15	132322	1745	50	HIGH	-0.15	0.008	21.20	21.40	1.047	0.008	/
Ant.0	State4	QPSK (ENDC)	Front Side	15	132322	1745	1	HIGH	0.13	0.007	18.16	18.40	1.057	0.007	/
	State4		Back Side	15	132322	1745	1	HIGH	-0.10	0.002	18.16	18.40	1.057	0.002	/
	State4		Front Side	15	132322	1745	50	HIGH	0.18	0.009	18.15	18.40	1.059	0.010	/
	State4		Back Side	15	132322	1745	50	HIGH	0.08	0.005	18.15	18.40	1.059	0.005	/
Body-worn (Close)															
Ant.4	State1	QPSK	Front Side	15	132322	1745	1	LOW	-0.12	0.024	21.69	22.70	1.262	0.030	/
	State1		Back Side	15	132322	1745	1	LOW	-0.12	0.015	21.69	22.70	1.262	0.019	/
	State1		Front Side	15	132322	1745	50	LOW	-0.17	0.021	21.67	22.70	1.268	0.027	/
	State1		Back Side	15	132322	1745	50	LOW	-0.16	0.014	21.67	22.70	1.268	0.018	/
Ant.4	State4	QPSK	Front Side	15	132322	1745	1	HIGH	0.14	0.012	18.65	19.70	1.274	0.015	/
	State4		Back Side	15	132322	1745	1	HIGH	0.10	0.007	18.65	19.70	1.274	0.009	/
	State4		Front Side	15	132322	1745	50	MID	-0.14	0.011	18.66	19.70	1.271	0.014	/
	State4		Back Side	15	132322	1745	50	MID	-0.08	0.006	18.66	19.70	1.271	0.008	/
Ant.5	State1	QPSK	Front Side	15	132072	1720	1	HIGH	-0.09	0.019	20.78	21.70	1.236	0.023	/
	State1		Back Side	15	132072	1720	1	HIGH	-0.12	0.009	20.78	21.70	1.236	0.011	/
	State1		Front Side	15	132072	1720	50	HIGH	0.11	0.018	20.79	21.70	1.233	0.022	/
	State1		Back Side	15	132072	1720	50	HIGH	-0.06	0.010	20.79	21.70	1.233	0.012	/
Ant.5	State4	QPSK	Front Side	15	132072	1720	1	HIGH	-0.04	0.010	17.77	18.70	1.239	0.012	/
	State4		Back Side	15	132072	1720	1	HIGH	0.18	0.006	17.77	18.70	1.239	0.007	/
	State4		Front Side	15	132072	1720	50	HIGH	-0.15	0.009	17.88	18.70	1.208	0.011	/

	State4		Back Side	15	132072	1720	50	HIGH	0.07	0.005	17.88	18.70	1.208	0.006	/
Ant.6	State1	QPSK (ENDC)	Front Side	15	132322	1745	1	LOW	-0.14	0.017	22.45	23.20	1.189	0.020	/
	State1		Back Side	15	132322	1745	1	LOW	0.06	0.023	22.45	23.20	1.189	0.027	/
	State1		Front Side	15	132322	1745	50	MID	-0.04	0.015	22.56	23.20	1.159	0.017	/
	State1		Back Side	15	132322	1745	50	MID	0.03	0.017	22.56	23.20	1.159	0.020	/
Ant.6	State4	QPSK (ENDC)	Front Side	15	132322	1745	1	HIGH	0.09	0.009	19.48	20.20	1.180	0.011	/
	State4		Back Side	15	132322	1745	1	HIGH	-0.06	0.011	19.48	20.20	1.180	0.013	/
	State4		Front Side	15	132322	1745	50	MID	0.07	0.008	19.53	20.20	1.167	0.009	/
	State4		Back Side	15	132322	1745	50	MID	0.05	0.004	19.53	20.20	1.167	0.005	/
Ant.0	State1	QPSK (ENDC)	Front Side	15	132322	1745	1	LOW	-0.08	0.015	21.23	21.40	1.040	0.016	/
	State1		Back Side	15	132322	1745	1	LOW	-0.12	0.008	21.23	21.40	1.040	0.008	/
	State1		Front Side	15	132322	1745	50	HIGH	-0.03	0.012	21.20	21.40	1.047	0.013	/
	State1		Back Side	15	132322	1745	50	HIGH	-0.12	0.006	21.20	21.40	1.047	0.006	/
Ant.0	State4	QPSK (ENDC)	Front Side	15	132322	1745	1	HIGH	-0.05	0.007	18.16	18.40	1.057	0.007	/
	State4		Back Side	15	132322	1745	1	HIGH	-0.11	0.005	18.16	18.40	1.057	0.005	/
	State4		Front Side	15	132322	1745	50	HIGH	0.08	0.008	18.15	18.40	1.059	0.008	/
	State4		Back Side	15	132322	1745	50	HIGH	0.10	0.004	18.15	18.40	1.059	0.004	/
Hotspot (Open)															
Ant.4	State4	QPSK	Front Side	10	132322	1745	1	HIGH	0.05	0.039	18.65	19.70	1.274	0.050	/
	State4		Back Side	10	132322	1745	1	HIGH	-0.12	0.045	18.65	19.70	1.274	0.057	/
	State4		Right Edge	10	132322	1745	1	HIGH	-0.02	0.028	18.65	19.70	1.274	0.036	/
	State4		Top Edge	10	132322	1745	1	HIGH	0.04	0.134	18.65	19.70	1.274	0.171	42#
	State4		Front Side	10	132322	1745	50	MID	-0.10	0.033	18.66	19.70	1.271	0.042	/
	State4		Back Side	10	132322	1745	50	MID	-0.18	0.039	18.66	19.70	1.271	0.050	/
	State4		Right Edge	10	132322	1745	50	MID	-0.08	0.024	18.66	19.70	1.271	0.031	/
	State4		Top Edge	10	132322	1745	50	MID	-0.06	0.117	18.66	19.70	1.271	0.149	/
Ant.5	State4	QPSK	Front Side	10	132072	1720	1	HIGH	0.07	0.030	17.77	18.70	1.239	0.037	/
	State4		Back Side	10	132072	1720	1	HIGH	-0.16	0.033	17.77	18.70	1.239	0.041	/
	State4		Left Edge	10	132072	1720	1	HIGH	-0.13	0.053	17.77	18.70	1.239	0.066	/
	State4		Front Side	10	132072	1720	50	HIGH	-0.13	0.025	17.88	18.70	1.208	0.030	/
Ant.6	State4	QPSK (ENDC)	Back Side	10	132072	1720	50	HIGH	-0.13	0.029	17.88	18.70	1.208	0.035	/
	State4		Left Edge	10	132072	1720	50	HIGH	-0.05	0.045	17.88	18.70	1.208	0.054	/
	State4		Front Side	10	132322	1745	1	HIGH	-0.08	0.024	19.48	20.20	1.180	0.028	/
	State4		Back Side	10	132322	1745	1	HIGH	0.00	0.069	19.48	20.20	1.180	0.081	/
	State4		Right Edge	10	132322	1745	1	HIGH	0.07	0.015	19.48	20.20	1.180	0.018	/
	State4		Bottom Edge	10	132322	1745	1	HIGH	0.00	0.054	19.48	20.20	1.180	0.064	
Ant.0	State4	QPSK (ENDC)	Front Side	10	132322	1745	50	MID	0.09	0.024	19.53	20.20	1.167	0.028	/
	State4		Back Side	10	132322	1745	50	MID	-0.11	0.065	19.53	20.20	1.167	0.076	/
	State4		Right Edge	10	132322	1745	50	MID	-0.11	0.014	19.53	20.20	1.167	0.016	
	State4		Bottom Edge	10	132322	1745	50	MID	-0.01	0.051	19.53	20.20	1.167	0.060	/
	State4		Front Side	10	132322	1745	1	HIGH	-0.15	0.045	18.16	18.40	1.057	0.048	/

	State4		Back Side	10	132322	1745	1	HIGH	0.18	0.023	18.16	18.40	1.057	0.024	/
Hotspot (Close)															
Ant.4	State4	QPSK	Front Side	10	132322	1745	1	HIGH	-0.18	0.060	18.65	19.70	1.274	0.076	/
	State4		Back Side	10	132322	1745	1	HIGH	0.01	0.016	18.65	19.70	1.274	0.020	/
	State4		Right Edge	10	132322	1745	1	HIGH	0.11	0.020	18.65	19.70	1.274	0.025	/
	State4		Bottom Edge	10	132322	1745	1	HIGH	0.02	0.097	18.65	19.70	1.274	0.124	/
	State4		Front Side	10	132322	1745	50	MID	-0.09	0.051	18.66	19.70	1.271	0.065	/
	State4		Back Side	10	132322	1745	50	MID	0.15	0.000	18.66	19.70	1.271	0.000	/
	State4		Right Edge	10	132322	1745	50	MID	-0.04	0.016	18.66	19.70	1.271	0.020	/
	State4		Bottom Edge	10	132322	1745	50	MID	-0.18	0.089	18.66	19.70	1.271	0.113	/
Ant.5	State4	QPSK	Front Side	10	132072	1720	1	HIGH	0.13	0.054	17.77	18.70	1.239	0.067	/
	State4		Back Side	10	132072	1720	1	HIGH	-0.15	0.023	17.77	18.70	1.239	0.028	/
	State4		Left Edge	10	132072	1720	1	HIGH	-0.07	0.063	17.77	18.70	1.239	0.078	/
	State4		Top Edge	10	132072	1720	1	HIGH	0.02	0.021	17.77	18.70	1.239	0.026	/
	State4		Front Side	10	132072	1720	50	HIGH	0.02	0.051	17.88	18.70	1.208	0.062	/
	State4		Back Side	10	132072	1720	50	HIGH	0.11	0.029	17.88	18.70	1.208	0.035	/
	State4		Left Edge	10	132072	1720	50	HIGH	0.00	0.056	17.88	18.70	1.208	0.068	/
	State4		Top Edge	10	132072	1720	50	HIGH	-0.03	0.019	17.88	18.70	1.208	0.023	/
Ant.6	State4	QPSK (ENDC)	Front Side	10	132322	1745	1	HIGH	-0.08	0.011	19.48	20.20	1.180	0.013	/
	State4		Back Side	10	132322	1745	1	HIGH	0.00	0.058	19.48	20.20	1.180	0.068	/
	State4		Right Edge	10	132322	1745	1	HIGH	0.07	0.011	19.48	20.20	1.180	0.013	/
	State4		Bottom Edge	10	132322	1745	1	HIGH	0.00	0.043	19.48	20.20	1.180	0.051	
	State4		Front Side	10	132322	1745	50	MID	0.09	0.012	19.53	20.20	1.167	0.014	/
	State4		Back Side	10	132322	1745	50	MID	-0.11	0.052	19.53	20.20	1.167	0.061	/
	State4		Right Edge	10	132322	1745	50	MID	-0.11	0.039	19.53	20.20	1.167	0.046	
	State4		Bottom Edge	10	132322	1745	50	MID	-0.01	0.009	19.53	20.20	1.167	0.011	/
Ant.0	State4	QPSK (ENDC)	Front Side	10	132322	1745	1	HIGH	-0.15	0.051	18.16	18.40	1.057	0.054	/
	State4		Back Side	10	132322	1745	1	HIGH	0.18	0.026	18.16	18.40	1.057	0.027	/
	State4		Right Edge	10	132322	1745	1	HIGH	-0.08	0.048	18.16	18.40	1.057	0.051	/
	State4		Top Edge	10	132322	1745	1	HIGH	0.02	0.019	18.16	18.40	1.057	0.020	/
	State4		Front Side	10	132322	1745	50	HIGH	-0.15	0.056	18.15	18.40	1.059	0.059	/
	State4		Back Side	10	132322	1745	50	HIGH	0.05	0.019	18.15	18.40	1.059	0.020	
	State4		Right Edge	10	132322	1745	50	HIGH	0.06	0.069	18.15	18.40	1.059	0.073	
	State4		Top Edge	10	132322	1745	50	HIGH	-0.07	0.013	18.15	18.40	1.059	0.014	/
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Sensor n-1 (Open)															

Ant.4	Full Power	QPSK	Front Side	9	132322	1745	1	LOW	-0.15	0.082	23.56	24.20	1.159	0.161	/
Ant.4	Full Power	QPSK	Back Side	10	132322	1745	1	LOW	0.06	0.047	23.56	24.20	1.159	0.089	/
Ant.4	Full Power	QPSK	Right Edge	10	132322	1745	1	LOW	-0.14	0.031	23.56	24.20	1.159	0.067	/
Ant.4	Full Power	QPSK	Top Edge	11	132322	1745	1	LOW	-0.13	0.193	23.56	24.20	1.159	0.415	/
Ant.4	Full Power	QPSK	Front Side	9	132322	1745	50	HIGH	0.12	0.069	22.49	23.20	1.178	0.137	/
Ant.4	Full Power	QPSK	Back Side	10	132322	1745	50	HIGH	0.02	0.051	22.49	23.20	1.178	0.097	/
Ant.4	Full Power	QPSK	Right Edge	10	132322	1745	50	HIGH	0.01	0.035	22.49	23.20	1.178	0.077	/
Ant.4	Full Power	QPSK	Top Edge	11	132322	1745	50	HIGH	0.13	0.168	22.49	23.20	1.178	0.369	/
Sensor n-1 (Close)															
Ant.4	Full Power	QPSK	Front Side	9	132322	1745	1	LOW	-0.05	0.096	23.56	24.20	1.159	0.188	/
Ant.4	Full Power	QPSK	Back Side	10	132322	1745	1	LOW	-0.04	0.000	23.56	24.20	1.159	0.000	/
Ant.4	Full Power	QPSK	Right Edge	10	132322	1745	1	LOW	-0.02	0.034	23.56	24.20	1.159	0.068	/
Ant.4	Full Power	QPSK	Bottom Edge	11	132322	1745	1	LOW	0.04	0.172	23.56	24.20	1.159	0.372	/
Ant.4	Full Power	QPSK	Front Side	9	132322	1745	50	HIGH	-0.11	0.082	22.49	23.20	1.178	0.165	/
Ant.4	Full Power	QPSK	Back Side	10	132322	1745	50	HIGH	0.08	0.000	22.49	23.20	1.178	0.000	/
Ant.4	Full Power	QPSK	Right Edge	10	132322	1745	50	HIGH	-0.13	0.029	22.49	23.20	1.178	0.060	/
Ant.4	Full Power	QPSK	Bottom Edge	11	132322	1745	50	HIGH	-0.02	0.148	22.49	23.20	1.178	0.324	/

11.14 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.4	State3	QPSK	Left Cheek	0	38000	2595	1	HIGH	0.08	0.356	18.05	19.20	1.303	0.464	/
	State3		Left Tilt	0	38000	2595	1	HIGH	0.16	0.490	18.05	19.20	1.303	0.638	/
	State3		Right Cheek	0	38000	2595	1	HIGH	0.18	0.792	18.05	19.20	1.303	1.032	43#
	State3		Right Tilt	0	38000	2595	1	HIGH	0.19	0.586	18.05	19.20	1.303	0.764	/
	State3		Left Cheek	0	38000	2595	50	LOW	-0.02	0.351	18.04	19.20	1.306	0.458	/
	State3		Left Tilt	0	38000	2595	50	LOW	0.09	0.456	18.04	19.20	1.306	0.596	/
	State3		Right Cheek	0	38000	2595	50	LOW	0.00	0.723	18.04	19.20	1.306	0.944	/
	State3		Right Tilt	0	38000	2595	50	LOW	-0.15	0.512	18.04	19.20	1.306	0.669	/
	State3		Right Cheek	0	37850	2580	1	HIGH	0.13	0.755	17.93	19.20	1.340	1.012	/
	State3		Right Cheek	0	38150	2610	1	HIGH	0.13	0.753	18.03	19.20	1.309	0.986	/
	State3		Right Cheek	0	37850	2580	50	HIGH	0.06	0.656	18.02	19.20	1.312	0.861	/
	State3		Right Cheek	0	38150	2610	50	LOW	-0.04	0.670	17.97	19.20	1.327	0.889	/
	State3		Right Cheek	0	38000	2595	100	LOW	0.03	0.682	18.02	19.20	1.312	0.895	/
Ant.4	State6	QPSK	Left Cheek	0	38000	2595	1	LOW	-0.13	0.223	14.96	16.20	1.330	0.297	/
	State6		Left Tilt	0	38000	2595	1	LOW	-0.17	0.307	14.96	16.20	1.330	0.408	/
	State6		Right Cheek	0	38000	2595	1	LOW	-0.18	0.509	14.96	16.20	1.330	0.677	/
	State6		Right Tilt	0	38000	2595	1	LOW	0.19	0.367	14.96	16.20	1.330	0.488	/
	State6		Left Cheek	0	38000	2595	50	LOW	0.03	0.185	15.06	16.20	1.300	0.241	/
	State6		Left Tilt	0	38000	2595	50	LOW	0.17	0.291	15.06	16.20	1.300	0.378	/
	State6		Right Cheek	0	38000	2595	50	LOW	-0.16	0.496	15.06	16.20	1.300	0.645	/
	State6		Right Tilt	0	38000	2595	50	LOW	-0.19	0.356	15.06	16.20	1.300	0.463	/
Ant.5	State3	QPSK	Left Cheek	0	38000	2595	1	LOW	0.16	0.485	19.11	20.20	1.285	0.623	/
	State3		Left Tilt	0	38000	2595	1	LOW	0.01	0.088	19.11	20.20	1.285	0.113	/
	State3		Right Cheek	0	38000	2595	1	LOW	-0.08	0.596	19.11	20.20	1.285	0.766	/
	State3		Right Tilt	0	38000	2595	1	LOW	-0.04	0.076	19.11	20.20	1.285	0.098	/
	State3		Left Cheek	0	38000	2595	50	LOW	0.04	0.346	19.13	20.20	1.279	0.443	/
	State3		Left Tilt	0	38000	2595	50	LOW	-0.11	0.061	19.13	20.20	1.279	0.078	/
	State3		Right Cheek	0	38000	2595	50	LOW	-0.19	0.544	19.13	20.20	1.279	0.696	/
	State3		Right Tilt	0	38000	2595	50	LOW	0.12	0.060	19.13	20.20	1.279	0.077	/
Ant.5	State6	QPSK	Left Cheek	0	38000	2595	1	LOW	0.04	0.243	16.12	17.20	1.282	0.312	/
	State6		Left Tilt	0	38000	2595	1	LOW	0.16	0.044	16.12	17.20	1.282	0.056	/
	State6		Right Cheek	0	38000	2595	1	LOW	-0.05	0.310	16.12	17.20	1.282	0.397	/
	State6		Right Tilt	0	38000	2595	1	LOW	-0.09	0.038	16.12	17.20	1.282	0.049	/
	State6		Left Cheek	0	38000	2595	50	LOW	0.17	0.173	16.15	17.20	1.274	0.220	/
	State6		Left Tilt	0	38000	2595	50	LOW	0.18	0.031	16.15	17.20	1.274	0.039	/

	State6		Right Cheek	0	38000	2595	50	LOW	0.13	0.223	16.15	17.20	1.274	0.284	/
	State6		Right Tilt	0	38000	2595	50	LOW	0.07	0.030	16.15	17.20	1.274	0.038	/
Head –CA															
Ant.4	State3	QPSK	Right Cheek	0	38099 + 37901	2604.9 + 2585.1	1+1	Low+ High	0.02	0.775	17.68	18.80	1.294	1.003	/
Body-worn (Open)															
Ant.4	State1	QPSK	Front Side	15	38000	2595	1	LOW	-0.09	0.098	19.52	20.70	1.312	0.129	/
	State1		Back Side	15	38000	2595	1	LOW	0.07	0.125	19.52	20.70	1.312	0.164	/
	State1		Front Side	15	38000	2595	50	LOW	0.07	0.071	19.53	20.70	1.309	0.093	/
	State1		Back Side	15	38000	2595	50	LOW	-0.11	0.088	19.53	20.70	1.309	0.115	/
Ant.4	State4	QPSK	Front Side	15	38000	2595	1	HIGH	-0.10	0.049	16.57	17.70	1.297	0.064	/
	State4		Back Side	15	38000	2595	1	HIGH	-0.02	0.063	16.57	17.70	1.297	0.082	/
	State4		Front Side	15	38000	2595	50	MID	-0.18	0.036	16.58	17.70	1.294	0.047	/
	State4		Back Side	15	38000	2595	50	MID	0.02	0.044	16.58	17.70	1.294	0.057	/
Ant.5	State1	QPSK	Front Side	15	38000	2595	1	LOW	-0.11	0.154	22.26	22.70	1.107	0.170	/
	State1		Back Side	15	38000	2595	1	LOW	-0.02	0.174	22.26	22.70	1.107	0.193	44#
	State1		Front Side	15	38000	2595	50	LOW	-0.11	0.104	20.78	21.70	1.236	0.129	/
	State1		Back Side	15	38000	2595	50	LOW	0.17	0.118	20.78	21.70	1.236	0.146	/
Ant.5	State4	QPSK	Front Side	15	38000	2595	1	LOW	0.14	0.077	18.58	19.70	1.294	0.100	/
	State4		Back Side	15	38000	2595	1	LOW	0.06	0.082	18.58	19.70	1.294	0.106	/
	State4		Front Side	15	38000	2595	50	MID	0.16	0.052	18.69	19.70	1.262	0.066	/
	State4		Back Side	15	38000	2595	50	MID	0.07	0.059	18.69	19.70	1.262	0.074	/
Body-worn–CA((Open)															
Ant.5	State1	QPSK	Back Side	15	38099 + 37901	2604.9 + 2585.1	1+1	Low+ High	0.02	0.149	21.39	22.30	1.233	0.184	/
Body-worn Close)															
Ant.4	State1	QPSK	Front Side	15	38000	2595	1	LOW	0.13	0.056	19.52	20.70	1.312	0.073	/
	State1		Back Side	15	38000	2595	1	LOW	0.11	0.038	19.52	20.70	1.312	0.050	/
	State1		Front Side	15	38000	2595	50	LOW	0.18	0.053	19.53	20.70	1.309	0.069	/
	State1		Back Side	15	38000	2595	50	LOW	-0.04	0.029	19.53	20.70	1.309	0.038	/
Ant.4	State4	QPSK	Front Side	15	38000	2595	1	HIGH	-0.18	0.037	16.57	17.70	1.297	0.048	/
	State4		Back Side	15	38000	2595	1	HIGH	0.11	0.019	16.57	17.70	1.297	0.025	/
	State4		Front Side	15	38000	2595	50	MID	-0.06	0.027	16.58	17.70	1.294	0.035	/
	State4		Back Side	15	38000	2595	50	MID	-0.02	0.015	16.58	17.70	1.294	0.019	/
Ant.5	State1	QPSK	Front Side	15	38000	2595	1	LOW	0.01	0.075	22.26	22.70	1.107	0.083	/
	State1		Back Side	15	38000	2595	1	LOW	0.16	0.031	22.26	22.70	1.107	0.034	/
	State1		Front Side	15	38000	2595	50	LOW	0.19	0.065	20.78	21.70	1.236	0.080	/
	State1		Back Side	15	38000	2595	50	LOW	-0.05	0.029	20.78	21.70	1.236	0.036	/
Ant.5	State4	QPSK	Front Side	15	38000	2595	1	LOW	0.15	0.036	18.58	19.70	1.294	0.047	/
	State4		Back Side	15	38000	2595	1	LOW	0.18	0.015	18.58	19.70	1.294	0.019	/
	State4		Front Side	15	38000	2595	50	MID	-0.18	0.034	18.69	19.70	1.262	0.043	/

	State4		Back Side	15	38000	2595	50	MID	-0.18	0.011	18.69	19.70	1.262	0.014	/
Body-worn–CA((Close)															
Ant.5	State1	QPSK	Back Side	15	38099 + 37901	2604.9 + 2585.1	1+1	Low+ High	-0.03	0.073	21.39	22.30	1.233	0.090	/
Hotspot (Open)															
Ant.4	State4	QPSK	Front Side	10	38000	2595	1	HIGH	0.01	0.112	16.57	17.70	1.297	0.145	/
	State4		Back Side	10	38000	2595	1	HIGH	-0.09	0.119	16.57	17.70	1.297	0.154	/
	State4		Right Edge	10	38000	2595	1	HIGH	-0.02	0.102	16.57	17.70	1.297	0.132	/
	State4		Top Edge	10	38000	2595	1	HIGH	0.04	0.297	16.57	17.70	1.297	0.385	45#
	State4		Front Side	10	38000	2595	50	MID	-0.15	0.078	16.58	17.70	1.294	0.101	/
	State4		Back Side	10	38000	2595	50	MID	0.00	0.083	16.58	17.70	1.294	0.107	/
	State4		Right Edge	10	38000	2595	50	MID	-0.10	0.069	16.58	17.70	1.294	0.089	/
	State4		Top Edge	10	38000	2595	50	MID	0.09	0.221	16.58	17.70	1.294	0.286	/
Ant.5	State4	QPSK	Front Side	10	38000	2595	1	LOW	0.10	0.148	18.58	19.70	1.294	0.192	/
	State4		Back Side	10	38000	2595	1	LOW	-0.12	0.162	18.58	19.70	1.294	0.210	/
	State4		Left Edge	10	38000	2595	1	LOW	-0.07	0.260	18.58	19.70	1.294	0.336	/
	State4		Front Side	10	38000	2595	50	MID	0.00	0.104	18.69	19.70	1.262	0.131	/
	State4		Back Side	10	38000	2595	50	MID	0.17	0.117	18.69	19.70	1.262	0.148	/
	State4		Left Edge	10	38000	2595	50	MID	-0.04	0.200	18.69	19.70	1.262	0.252	/
Hotspot–CA((Open)															
Ant.4	State4	QPSK	Top Edge	10	38099 + 37901	2604.9 + 2585.1	1+1	Low+ High	0.01	0.239	16.03	17.30	1.340	0.320	/
Hotspot (Close)															
Ant.4	State4	QPSK	Front Side	10	38000	2595	1	HIGH	-0.03	0.054	16.57	17.70	1.297	0.070	/
	State4		Back Side	10	38000	2595	1	HIGH	0.06	0.026	16.57	17.70	1.297	0.034	/
	State4		Right Edge	10	38000	2595	1	HIGH	0.17	0.052	16.57	17.70	1.297	0.067	/
	State4		Bottom Edge	10	38000	2595	1	HIGH	-0.03	0.124	16.57	17.70	1.297	0.161	/
	State4		Front Side	10	38000	2595	50	MID	0.01	0.051	16.58	17.70	1.294	0.066	/
	State4		Back Side	10	38000	2595	50	MID	-0.07	0.023	16.58	17.70	1.294	0.030	/
	State4		Right Edge	10	38000	2595	50	MID	0.04	0.049	16.58	17.70	1.294	0.063	/
	State4		Bottom Edge	10	38000	2595	50	MID	-0.13	0.118	16.58	17.70	1.294	0.153	/
Ant.5	State4	QPSK	Front Side	10	38000	2595	1	LOW	-0.14	0.108	18.58	19.70	1.294	0.140	/
	State4		Back Side	10	38000	2595	1	LOW	-0.19	0.030	18.58	19.70	1.294	0.039	/
	State4		Left Edge	10	38000	2595	1	LOW	0.07	0.115	18.58	19.70	1.294	0.149	/
	State4		Top Edge	10	38000	2595	1	LOW	0.15	0.035	18.69	19.70	1.262	0.044	/
	State4		Front Side	10	38000	2595	50	MID	-0.03	0.078	18.69	19.70	1.262	0.098	/
	State4		Back Side	10	38000	2595	50	MID	-0.18	0.022	18.69	19.70	1.262	0.028	/
	State4		Left Edge	10	38000	2595	50	MID	-0.15	0.113	18.69	19.70	1.262	0.143	/
	State4		Top Edge	10	38000	2595	50	MID	0.13	0.031	18.69	19.70	1.262	0.039	/
Hotspot–CA((Close)															
Ant.4	State4	QPSK	Bottom Edge	10	38099	2604.9	1+1	Low+	0.05	0.118	16.03	17.30	1.340	0.158	/

					+ 37901	+ 2585.1		High							
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific（Open）															
Ant.4	State1	QPSK	Top Edge	0	38000	2595	1	LOW	0.00	0.629	19.52	20.70	1.312	0.825	46#
	State1	QPSK	Top Edge	0	38000	2595	50	LOW	-0.17	0.617	19.53	20.70	1.309	0.808	/
	State4	QPSK	Top Edge	0	38000	2595	1	HIGH	-0.09	0.322	16.57	17.70	1.297	0.418	/
	State4	QPSK	Top Edge	0	38000	2595	50	MID	0.05	0.313	16.58	17.70	1.294	0.405	/
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Sensor n-1 (Open)															
Ant.4	Full Power	QPSK	Front Side	9	38150	2610	1	HIGH	0.05	0.357	24.06	24.70	1.159	0.414	/
Ant.4	Full Power	QPSK	Back Side	10	38150	2610	1	HIGH	-0.18	0.316	24.06	24.70	1.159	0.366	/
Ant.4	Full Power	QPSK	Right Edge	10	38150	2610	1	HIGH	-0.18	0.292	24.06	24.70	1.159	0.338	/
Ant.4	Full Power	QPSK	Top Edge	11	38150	2610	1	HIGH	-0.03	0.718	24.06	24.70	1.159	0.832	/
Ant.4	Full Power	QPSK	Front Side	9	38150	2610	50	LOW	0.14	0.259	22.50	23.70	1.318	0.341	/
Ant.4	Full Power	QPSK	Back Side	10	38150	2610	50	LOW	0.00	0.233	22.50	23.70	1.318	0.307	/
Ant.4	Full Power	QPSK	Right Edge	10	38150	2610	50	LOW	0.17	0.213	22.50	23.70	1.318	0.281	/
Ant.4	Full Power	QPSK	Top Edge	11	38150	2610	50	LOW	-0.11	0.535	22.50	23.70	1.318	0.705	/
Sensor n-1 (Close)															
Ant.4	Full Power	QPSK	Front Side	9	38150	2610	1	HIGH	-0.09	0.215	24.06	24.70	1.159	0.249	/
Ant.4	Full Power	QPSK	Back Side	10	38150	2610	1	HIGH	-0.05	0.078	24.06	24.70	1.159	0.090	/
Ant.4	Full Power	QPSK	Right Edge	10	38150	2610	1	HIGH	-0.19	0.159	24.06	24.70	1.159	0.184	/
Ant.4	Full Power	QPSK	Bottom Edge	11	38150	2610	1	HIGH	0.04	0.374	24.06	24.70	1.159	0.433	/
Ant.4	Full Power	QPSK	Front Side	9	38150	2610	50	LOW	0.03	0.154	22.50	23.70	1.318	0.203	/
Ant.4	Full Power	QPSK	Back Side	10	38150	2610	50	LOW	0.15	0.059	22.50	23.70	1.318	0.078	/
Ant.4	Full Power	QPSK	Right Edge	10	38150	2610	50	LOW	-0.12	0.112	22.50	23.70	1.318	0.148	/
Ant.4	Full Power	QPSK	Bottom Edge	11	38150	2610	50	LOW	-0.18	0.341	22.50	23.70	1.318	0.449	/

11.15 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.4	State3	QPSK	Left Cheek	0	40620	2593	1	LOW	0.08	0.101	16.57	17.70	1.297	0.131	/
	State3		Left Tilt	0	40620	2593	1	LOW	-0.16	0.224	16.57	17.70	1.297	0.291	/
	State3		Right Cheek	0	40620	2593	1	LOW	-0.02	0.449	16.57	17.70	1.297	0.582	47#
	State3		Right Tilt	0	40620	2593	1	LOW	0.07	0.081	16.57	17.70	1.297	0.105	/
	State3		Left Cheek	0	40620	2593	50	LOW	0.12	0.178	16.67	17.70	1.268	0.226	/
	State3		Left Tilt	0	40620	2593	50	LOW	-0.18	0.345	16.67	17.70	1.268	0.437	/
	State3		Right Cheek	0	40620	2593	50	LOW	0.09	0.408	16.67	17.70	1.268	0.517	/
	State3		Right Tilt	0	40620	2593	50	LOW	-0.15	0.235	16.67	17.70	1.268	0.298	/
Ant.4	State6	QPSK	Left Cheek	0	40620	2593	1	MID	0.01	0.050	13.48	14.70	1.324	0.066	/
	State6		Left Tilt	0	40620	2593	1	MID	0.04	0.112	13.48	14.70	1.324	0.148	/
	State6		Right Cheek	0	40620	2593	1	MID	-0.01	0.218	13.48	14.70	1.324	0.289	/
	State6		Right Tilt	0	40620	2593	1	MID	-0.09	0.147	13.48	14.70	1.324	0.195	/
	State6		Left Cheek	0	40620	2593	50	MID	-0.15	0.041	13.62	14.70	1.282	0.053	/
	State6		Left Tilt	0	40620	2593	50	MID	-0.11	0.089	13.62	14.70	1.282	0.114	/
	State6		Right Cheek	0	40620	2593	50	MID	0.05	0.173	13.62	14.70	1.282	0.222	/
	State6		Right Tilt	0	40620	2593	50	MID	-0.19	0.118	13.62	14.70	1.282	0.151	/
Ant.5	State3	QPSK	Left Cheek	0	40620	2593	1	MID	-0.14	0.316	19.43	20.20	1.194	0.377	/
	State3		Left Tilt	0	40620	2593	1	MID	0.09	0.059	19.43	20.20	1.194	0.070	/
	State3		Right Cheek	0	40620	2593	1	MID	-0.02	0.384	19.43	20.20	1.194	0.458	/
	State3		Right Tilt	0	40620	2593	1	MID	-0.01	0.051	19.43	20.20	1.194	0.061	/
	State3		Left Cheek	0	40620	2593	50	MID	-0.04	0.268	19.39	20.20	1.205	0.323	/
	State3		Left Tilt	0	40620	2593	50	MID	-0.09	0.045	19.39	20.20	1.205	0.054	/
	State3		Right Cheek	0	40620	2593	50	MID	0.13	0.304	19.39	20.20	1.205	0.366	/
	State3		Right Tilt	0	40620	2593	50	MID	-0.17	0.040	19.39	20.20	1.205	0.048	/
Ant.5	State6	QPSK	Left Cheek	0	40620	2593	1	MID	0.07	0.159	16.10	17.20	1.288	0.205	/
	State6		Left Tilt	0	40620	2593	1	MID	0.18	0.030	16.10	17.20	1.288	0.039	/
	State6		Right Cheek	0	40620	2593	1	MID	-0.06	0.196	16.10	17.20	1.288	0.252	/
	State6		Right Tilt	0	40620	2593	1	MID	-0.18	0.026	16.10	17.20	1.288	0.033	/
	State6		Left Cheek	0	40620	2593	50	MID	0.05	0.134	16.55	17.20	1.161	0.156	/
	State6		Left Tilt	0	40620	2593	50	MID	0.15	0.023	16.55	17.20	1.161	0.027	/
	State6		Right Cheek	0	40620	2593	50	MID	-0.03	0.153	16.55	17.20	1.161	0.178	/
	State6		Right Tilt	0	40620	2593	50	MID	-0.09	0.020	16.55	17.20	1.161	0.023	/
Head –CA															
Ant.4	State3	QPSK	Right Cheek	0	40620 +40818	2593 +2612.8	1+1	High +Low	0.03	0.570	16.53	17.50	1.250	0.713	/

Body-worn (Open)															
Ant.4	State1	QPSK	Front Side	15	40620	2593	1	LOW	-0.17	0.100	19.85	20.70	1.216	0.122	/
	State1		Back Side	15	40620	2593	1	LOW	-0.15	0.123	19.85	20.70	1.216	0.150	/
	State1		Front Side	15	40620	2593	50	LOW	0.08	0.078	19.84	20.70	1.219	0.095	/
	State1		Back Side	15	40620	2593	50	LOW	0.02	0.099	19.84	20.70	1.219	0.121	/
Ant.4	State4	QPSK	Front Side	15	40620	2593	1	LOW	0.19	0.050	16.57	17.70	1.297	0.065	/
	State4		Back Side	15	40620	2593	1	LOW	-0.16	0.062	16.57	17.70	1.297	0.080	/
	State4		Front Side	15	40620	2593	50	LOW	-0.11	0.039	16.67	17.70	1.268	0.049	/
	State4		Back Side	15	40620	2593	50	LOW	0.05	0.050	16.67	17.70	1.268	0.063	/
Ant.5	State1	QPSK	Front Side	15	40620	2593	1	LOW	0.15	0.119	20.81	21.70	1.227	0.146	/
	State1		Back Side	15	40620	2593	1	LOW	0.01	0.138	20.81	21.70	1.227	0.169	48#
	State1		Front Side	15	40620	2593	50	LOW	0.05	0.093	20.88	21.70	1.208	0.112	/
	State1		Back Side	15	40620	2593	50	LOW	0.13	0.102	20.88	21.70	1.208	0.123	/
Ant.5	State4	QPSK	Front Side	15	40620	2593	1	MID	-0.12	0.060	17.98	18.70	1.180	0.071	/
	State4		Back Side	15	40620	2593	1	MID	-0.03	0.064	17.98	18.70	1.180	0.076	/
	State4		Front Side	15	40620	2593	50	HIGH	0.19	0.047	17.65	18.70	1.274	0.060	/
	State4		Back Side	15	40620	2593	50	HIGH	0.05	0.051	17.65	18.70	1.274	0.065	/
Body-worn–CA((Open)															
Ant.5	State1	QPSK	Back Side	15	40620 +4081 8	2593 +2612. 8	1+1	High +Low	0.03	0.133	20.57	21.50	1.239	0.165	/
Body-worn Close)															
Ant.4	State1	QPSK	Front Side	15	40620	2593	1	LOW	-0.13	0.061	19.85	20.70	1.216	0.074	/
	State1		Back Side	15	40620	2593	1	LOW	0.00	0.039	19.85	20.70	1.216	0.047	/
	State1		Front Side	15	40620	2593	50	LOW	-0.18	0.056	19.84	20.70	1.219	0.068	/
	State1		Back Side	15	40620	2593	50	LOW	0.00	0.032	19.84	20.70	1.219	0.039	/
Ant.4	State4	QPSK	Front Side	15	40620	2593	1	LOW	0.06	0.039	16.57	17.70	1.297	0.051	/
	State4		Back Side	15	40620	2593	1	LOW	-0.01	0.020	16.57	17.70	1.297	0.026	/
	State4		Front Side	15	40620	2593	50	LOW	-0.14	0.032	16.67	17.70	1.268	0.041	/
	State4		Back Side	15	40620	2593	50	LOW	-0.12	0.016	16.67	17.70	1.268	0.020	/
Ant.5	State1	QPSK	Front Side	15	40620	2593	1	LOW	0.06	0.070	20.81	21.70	1.227	0.086	/
	State1		Back Side	15	40620	2593	1	LOW	0.10	0.035	20.81	21.70	1.227	0.043	/
	State1		Front Side	15	40620	2593	50	LOW	-0.04	0.062	20.88	21.70	1.208	0.075	/
	State1		Back Side	15	40620	2593	50	LOW	-0.12	0.031	20.88	21.70	1.208	0.037	/
Ant.5	State4	QPSK	Front Side	15	40620	2593	1	MID	0.16	0.038	17.98	18.70	1.180	0.045	/
	State4		Back Side	15	40620	2593	1	MID	-0.14	0.015	17.98	18.70	1.180	0.018	/
	State4		Front Side	15	40620	2593	50	HIGH	-0.06	0.025	17.65	18.70	1.274	0.032	/
	State4		Back Side	15	40620	2593	50	HIGH	-0.03	0.011	17.65	18.70	1.274	0.014	/
Body-worn–CA((Close)															
Ant.5	State1	QPSK	Back Side	15	40620 +4081 8	2593 +2612. 8	1+1	High +Low	0.02	0.063	20.57	21.50	1.239	0.078	/
Hotspot (Open)															

Ant.4	State4	QPSK	Front Side	10	40620	2593	1	LOW	-0.06	0.116	16.57	17.70	1.297	0.150	/
	State4		Back Side	10	40620	2593	1	LOW	-0.02	0.119	16.57	17.70	1.297	0.154	/
	State4		Right Edge	10	40620	2593	1	LOW	-0.19	0.083	16.57	17.70	1.297	0.108	/
	State4		Top Edge	10	40620	2593	1	LOW	-0.01	0.280	16.57	17.70	1.297	0.363	49#
	State4		Front Side	10	40620	2593	50	LOW	-0.15	0.091	16.67	17.70	1.268	0.115	/
	State4		Back Side	10	40620	2593	50	LOW	0.01	0.094	16.67	17.70	1.268	0.119	/
	State4		Right Edge	10	40620	2593	50	LOW	0.11	0.075	16.67	17.70	1.268	0.095	/
	State4		Top Edge	10	40620	2593	50	LOW	-0.14	0.243	16.67	17.70	1.268	0.308	/
Ant.5	State4	QPSK	Front Side	10	40620	2593	1	MID	-0.18	0.120	17.98	18.70	1.180	0.142	/
	State4		Back Side	10	40620	2593	1	MID	-0.13	0.130	17.98	18.70	1.180	0.153	/
	State4		Left Edge	10	40620	2593	1	MID	-0.06	0.221	17.98	18.70	1.180	0.261	/
	State4		Front Side	10	40620	2593	50	HIGH	-0.15	0.090	17.65	18.70	1.274	0.115	/
	State4		Back Side	10	40620	2593	50	HIGH	0.19	0.101	17.65	18.70	1.274	0.129	/
	State4		Left Edge	10	40620	2593	50	HIGH	0.00	0.177	17.65	18.70	1.274	0.225	/
Hotspot–CA((Open)															
Ant.4	State4	QPSK	Top Edge	10	40620 +4081 8	2593 +2612. 8	1+1	High +Low	0.00	0.257	16.53	17.50	1.250	0.321	/
Hotspot (Close)															
Ant.4	State4	QPSK	Front Side	10	40620	2593	1	LOW	-0.10	0.074	16.57	17.70	1.297	0.096	/
	State4		Back Side	10	40620	2593	1	LOW	-0.16	0.037	16.57	17.70	1.297	0.048	/
	State4		Right Edge	10	40620	2593	1	LOW	0.11	0.069	16.57	17.70	1.297	0.089	/
	State4		Bottom Edge	10	40620	2593	1	LOW	0.14	0.137	16.57	17.70	1.297	0.178	/
	State4		Front Side	10	40620	2593	50	LOW	-0.11	0.059	16.67	17.70	1.268	0.075	/
	State4		Back Side	10	40620	2593	50	LOW	0.05	0.031	16.67	17.70	1.268	0.039	/
	State4		Right Edge	10	40620	2593	50	LOW	0.08	0.121	16.67	17.70	1.268	0.153	/
	State4		Bottom Edge	10	40620	2593	50	LOW	0.18	0.056	16.67	17.70	1.268	0.071	/
Ant.5	State4	QPSK	Front Side	10	40620	2593	1	MID	0.03	0.088	17.98	18.70	1.180	0.104	/
	State4		Back Side	10	40620	2593	1	MID	0.00	0.023	17.98	18.70	1.180	0.027	/
	State4		Left Edge	10	40620	2593	1	MID	0.08	0.124	17.98	18.70	1.180	0.146	/
	State4		Top Edge	10	40620	2593	1	MID	0.03	0.020	17.98	18.70	1.180	0.024	/
	State4		Front Side	10	40620	2593	50	HIGH	0.06	0.071	17.65	18.70	1.274	0.090	/
	State4		Back Side	10	40620	2593	50	HIGH	-0.15	0.018	17.65	18.70	1.274	0.023	/
Hotspot–CA((Close)															
Ant.4	State4	QPSK	Bottom Edge	10	40620 +4081 8	2593 +2612. 8	1+1	High +Low	0.04	0.119	16.53	17.50	1.250	0.149	/
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Powe r Drift (dB)	10 g Meas SAR(W/ kg)	Meas. Power (dBm)	Max. tune-up power(d Bm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific（Open）															
Ant.4	State1	QPSK	Top Edge	0	40620	2593	1	LOW	0.00	0.614	19.85	20.70	1.216	0.747	50#

Ant.4	State1	QPSK	Top Edge	0	40620	2593	50	LOW	0.05	0.589	19.84	20.70	1.219	0.718	/
Ant.4	State4	QPSK	Top Edge	0	40620	2593	1	LOW	0.12	0.305	16.57	17.70	1.297	0.396	/
Ant.4	State4	QPSK	Top Edge	0	40620	2593	50	LOW	-0.05	0.292	16.67	17.70	1.268	0.370	/
Sensor n-1 (Open)															
Ant.4	Full Power	QPSK	Front Side	9	41055	2636.5	1	MID	0.03	0.374	24.15	24.70	1.135	0.424	/
Ant.4	Full Power	QPSK	Back Side	10	41055	2636.5	1	MID	0.11	0.315	24.15	24.70	1.135	0.358	/
Ant.4	Full Power	QPSK	Right Edge	10	41055	2636.5	1	MID	-0.11	0.266	24.15	24.70	1.135	0.302	/
Ant.4	Full Power	QPSK	Top Edge	11	41055	2636.5	1	MID	0.03	0.723	24.15	24.70	1.135	0.821	/
Ant.4	Full Power	QPSK	Front Side	9	41055	2636.5	50	MID	0.17	0.302	23.15	23.70	1.135	0.343	/
Ant.4	Full Power	QPSK	Back Side	10	41055	2636.5	50	MID	0.11	0.259	23.15	23.70	1.135	0.294	/
Ant.4	Full Power	QPSK	Right Edge	10	41055	2636.5	50	MID	0.05	0.213	23.15	23.70	1.135	0.242	/
Ant.4	Full Power	QPSK	Top Edge	11	41055	2636.5	50	MID	0.13	0.597	23.15	23.70	1.135	0.678	/
Sensor n-1 (Close)															
Ant.4	Full Power	QPSK	Front Side	9	41055	2636.5	1	MID	-0.18	0.213	24.15	24.70	1.135	0.242	/
Ant.4	Full Power	QPSK	Back Side	10	41055	2636.5	1	MID	-0.07	0.081	24.15	24.70	1.135	0.092	/
Ant.4	Full Power	QPSK	Right Edge	10	41055	2636.5	1	MID	-0.03	0.146	24.15	24.70	1.135	0.166	/
Ant.4	Full Power	QPSK	Bottom Edge	11	41055	2636.5	1	MID	-0.15	0.168	24.15	24.70	1.135	0.191	/
Ant.4	Full Power	QPSK	Front Side	9	41055	2636.5	50	MID	-0.11	0.326	23.15	23.70	1.135	0.370	/
Ant.4	Full Power	QPSK	Back Side	10	41055	2636.5	50	MID	-0.11	0.067	23.15	23.70	1.135	0.076	/
Ant.4	Full Power	QPSK	Right Edge	10	41055	2636.5	50	MID	-0.01	0.119	23.15	23.70	1.135	0.135	/
Ant.4	Full Power	QPSK	Bottom Edge	11	41055	2636.5	50	MID	-0.19	0.268	23.15	23.70	1.135	0.304	/

11.16 n2 (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.4	State3	DFT-s-OFDM BPSK	Left Cheek	0	381500	1907.5	1	1	-0.08	0.265	18.07	18.70	1.156	0.306	/
	State3		Left Cheek	0	381500	1907.5	50	0	0.12	0.271	18.16	18.70	1.132	0.307	/
	State3		Left Tilt	0	381500	1907.5	1	1	0.15	0.374	18.07	18.70	1.156	0.432	/
	State3		Left Tilt	0	381500	1907.5	50	0	0.01	0.385	18.16	18.70	1.132	0.436	/
	State3		Right Cheek	0	381500	1907.5	1	1	-0.05	0.623	18.07	18.70	1.156	0.720	/
	State3		Right Cheek	0	381500	1907.5	50	0	-0.01	0.606	18.16	18.70	1.132	0.686	/
	State3		Right Tilt	0	381500	1907.5	1	1	0.04	0.434	18.07	18.70	1.156	0.502	/
	State3		Right Tilt	0	381500	1907.5	50	0	-0.11	0.465	18.16	18.70	1.132	0.526	/
	State3		Right Cheek	0	372000	1860	1	1	-0.14	0.556	18.01	18.70	1.172	0.652	/
	State3		Right Cheek	0	376000	1880	1	1	-0.14	0.672	17.89	18.70	1.205	0.810	/
	State3		Right Cheek	0	372000	1860	50	0	0.14	0.621	18.09	18.70	1.151	0.715	/
	State3		Right Cheek	0	376000	1880	50	0	-0.13	0.606	17.99	18.70	1.178	0.714	/
	State3		Right Cheek	0	381500	1907.5	100	0	-0.03	0.799	18.01	18.70	1.172	0.936	/
Ant.4	State6	DFT-s-OFDM BPSK	Left Cheek	0	381500	1907.5	1	1	-0.12	0.182	16.94	17.20	1.062	0.193	/
	State6		Left Cheek	0	381500	1907.5	50	0	-0.03	0.193	16.82	17.20	1.091	0.211	/
	State6		Left Tilt	0	381500	1907.5	1	1	-0.08	0.264	16.94	17.20	1.062	0.280	/
	State6		Left Tilt	0	381500	1907.5	50	0	-0.03	0.273	16.82	17.20	1.091	0.298	/
	State6		Right Cheek	0	381500	1907.5	1	1	-0.13	0.436	16.94	17.20	1.062	0.463	/
	State6		Right Cheek	0	381500	1907.5	50	0	-0.13	0.422	16.82	17.20	1.091	0.460	/
	State6		Right Tilt	0	381500	1907.5	1	1	-0.02	0.304	16.94	17.20	1.062	0.323	/
	State6		Right Tilt	0	381500	1907.5	50	0	0.09	0.323	16.82	17.20	1.091	0.352	/
Ant.5	State3	DFT-s-OFDM BPSK	Left Cheek	0	381500	1907.5	1	1	-0.06	0.512	18.87	19.20	1.079	0.552	/
	State3		Left Cheek	0	381500	1907.5	50	0	0.05	0.499	18.85	19.20	1.084	0.541	/
	State3		Left Tilt	0	381500	1907.5	1	1	0.17	0.152	18.87	19.20	1.079	0.164	/
	State3		Left Tilt	0	381500	1907.5	50	0	0.00	0.159	18.85	19.20	1.084	0.172	/
	State3		Right Cheek	0	381500	1907.5	1	1	0.01	1.070	18.87	19.20	1.079	1.155	51#
	State3		Right Cheek	0	381500	1907.5	50	0	0.12	1.010	18.85	19.20	1.084	1.095	/
	State3		Right Tilt	0	381500	1907.5	1	1	-0.07	0.122	18.87	19.20	1.079	0.132	/
	State3		Right Tilt	0	381500	1907.5	50	0	-0.07	0.116	18.85	19.20	1.084	0.126	/
	State3		Right Cheek	0	372000	1860	1	1	0.10	0.825	18.71	19.20	1.119	0.923	/
	State3		Right Cheek	0	376000	1880	1	1	0.05	0.811	18.80	19.20	1.096	0.889	/
	State3		Right Cheek	0	372000	1860	50	0	0.13	0.612	18.83	19.20	1.089	0.666	/
	State3		Right Cheek	0	376000	1880	50	0	0.16	0.645	18.59	19.20	1.151	0.742	/
	State3		Right Cheek	0	381500	1907.5	100	0	0.04	0.622	18.90	19.20	1.072	0.667	/

Ant.5	State6	DFT-s-OFDM BPSK	Left Cheek	0	376000	1880	1	1	0.16	0.402	17.99	18.20	1.050	0.422	/
	State6		Left Cheek	0	376000	1880	50	0	0.02	0.395	17.93	18.20	1.064	0.420	/
	State6		Left Tilt	0	376000	1880	1	1	-0.04	0.122	17.99	18.20	1.050	0.128	/
	State6		Left Tilt	0	376000	1880	50	0	0.18	0.128	17.93	18.20	1.064	0.136	/
	State6		Right Cheek	0	376000	1880	1	1	0.15	0.841	17.99	18.20	1.050	0.883	/
	State6		Right Cheek	0	376000	1880	50	0	-0.09	0.795	17.93	18.20	1.064	0.846	/
	State6		Right Tilt	0	376000	1880	1	1	0.15	0.094	17.99	18.20	1.050	0.099	/
	State6		Right Tilt	0	376000	1880	50	0	0.16	0.093	17.93	18.20	1.064	0.099	/
	State6		Right Cheek	0	381500	1907.5	1	1	0.02	0.831	17.95	18.20	1.059	0.880	/
	State6		Right Cheek	0	372000	1860	1	1	0.06	0.829	17.96	18.20	1.057	0.876	/
Body-worn (Open)															
Ant.4	State1	DFT-s-OFDM BPSK	Front Side	15	381500	1907.5	1	1	-0.19	0.252	22.89	24.20	1.352	0.341	/
	State1		Front Side	15	381500	1907.5	50	0	-0.10	0.241	22.89	24.20	1.352	0.326	/
	State1		Back Side	15	381500	1907.5	1	1	-0.01	0.297	22.89	24.20	1.352	0.402	52#
	State1		Back Side	15	381500	1907.5	50	0	0.15	0.285	22.89	24.20	1.352	0.385	/
Ant.5	State1	DFT-s-OFDM BPSK	Front Side	15	381500	1907.5	1	1	0.09	0.160	21.50	22.70	1.318	0.211	/
	State1		Front Side	15	381500	1907.5	50	0	0.00	0.152	21.88	22.70	1.208	0.184	/
	State1		Back Side	15	381500	1907.5	1	1	0.02	0.178	21.50	22.70	1.318	0.235	/
	State1		Back Side	15	381500	1907.5	50	0	0.19	0.165	21.88	22.70	1.208	0.199	/
Body-worn Close)															
Ant.4	State1	DFT-s-OFDM BPSK	Front Side	15	381500	1907.5	1	1	-0.01	0.238	22.89	24.20	1.352	0.322	/
	State1		Front Side	15	381500	1907.5	50	0	-0.05	0.224	22.89	24.20	1.352	0.303	/
	State1		Back Side	15	381500	1907.5	1	1	0.00	0.095	22.89	24.20	1.352	0.128	/
	State1		Back Side	15	381500	1907.5	50	0	0.00	0.091	22.89	24.20	1.352	0.123	/
Ant.5	State1	DFT-s-OFDM BPSK	Front Side	15	381500	1907.5	1	1	-0.01	0.159	21.50	22.70	1.318	0.210	/
	State1		Front Side	15	381500	1907.5	50	0	-0.08	0.141	21.88	22.70	1.208	0.170	/
	State1		Back Side	15	381500	1907.5	1	1	-0.18	0.045	21.50	22.70	1.318	0.059	/
	State1		Back Side	15	381500	1907.5	50	0	-0.12	0.041	21.88	22.70	1.208	0.050	/
Hotspot (Open)															
Ant.4	State4	DFT-s-OFDM BPSK	Front Side	10	381500	1907.5	1	1	-0.15	0.205	20.55	21.20	1.161	0.238	/
	State4		Front Side	10	381500	1907.5	50	0	-0.05	0.209	20.59	21.20	1.151	0.241	/
	State4		Back Side	10	381500	1907.5	1	1	0.14	0.227	20.55	21.20	1.161	0.264	/
	State4		Back Side	10	381500	1907.5	50	0	0.06	0.232	20.59	21.20	1.151	0.267	/
	State4		Right Edge	10	381500	1907.5	1	1	-0.15	0.126	20.55	21.20	1.161	0.146	/
	State4		Right Edge	10	381500	1907.5	50	0	0.13	0.132	20.59	21.20	1.151	0.152	/
	State4		Top Edge	10	381500	1907.5	1	1	0.01	0.676	20.55	21.20	1.161	0.785	53#
	State4		Top Edge	10	381500	1907.5	50	0	0.19	0.665	20.59	21.20	1.151	0.765	/
Ant.5	State4	DFT-s-OFDM BPSK	Front Side	10	381500	1907.5	1	1	0.18	0.202	19.12	19.70	1.143	0.231	/
	State4		Front Side	10	381500	1907.5	50	0	0.00	0.207	19.15	19.70	1.135	0.235	/
	State4		Back Side	10	381500	1907.5	1	1	0.00	0.197	19.12	19.70	1.143	0.225	/
	State4		Back Side	10	381500	1907.5	50	0	0.14	0.203	19.15	19.70	1.135	0.230	/
	State4		Left Edge	10	381500	1907.5	1	1	0.08	0.336	19.12	19.70	1.143	0.384	/
	State4		Left Edge	10	381500	1907.5	50	0	0.01	0.351	19.15	19.70	1.135	0.398	/

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Hotspot (Close)															
Ant.4	State4	DFT-s-OFDM BPSK	Front Side	10	381500	1907.5	1	1	-0.04	0.135	20.55	21.20	1.161	0.157	/
	State4		Front Side	10	381500	1907.5	50	0	0.14	0.132	20.59	21.20	1.151	0.152	/
	State4		Back Side	10	381500	1907.5	1	1	-0.18	0.062	20.55	21.20	1.161	0.072	/
	State4		Back Side	10	381500	1907.5	50	0	0.12	0.061	20.59	21.20	1.151	0.070	/
	State4		Right Edge	10	381500	1907.5	1	1	0.00	0.061	20.55	21.20	1.161	0.071	/
	State4		Right Edge	10	381500	1907.5	50	0	0.05	0.065	20.59	21.20	1.151	0.075	/
	State4		Bottom Edge	10	381500	1907.5	1	1	-0.08	0.474	20.55	21.20	1.161	0.550	/
	State4		Bottom Edge	10	381500	1907.5	50	0	0.00	0.486	20.59	21.20	1.151	0.559	/
Ant.5	State4	DFT-s-OFDM BPSK	Front Side	10	381500	1907.5	1	1	-0.06	0.303	19.12	19.70	1.143	0.346	/
	State4		Front Side	10	381500	1907.5	50	0	-0.18	0.254	19.15	19.70	1.135	0.288	/
	State4		Back Side	10	381500	1907.5	1	1	-0.19	0.068	19.12	19.70	1.143	0.078	/
	State4		Back Side	10	381500	1907.5	50	0	-0.10	0.056	19.15	19.70	1.135	0.064	/
	State4		Left Edge	10	381500	1907.5	1	1	-0.17	0.482	19.12	19.70	1.143	0.551	/
	State4		Left Edge	10	381500	1907.5	50	0	-0.16	0.397	19.15	19.70	1.135	0.451	/
	State4		Top Edge	10	381500	1907.5	1	1	-0.15	0.071	19.12	19.70	1.143	0.081	/
	State4		Top Edge	10	381500	1907.5	50	0	-0.13	0.061	19.15	19.70	1.135	0.069	/
Specific（Open）															
Ant.4	State1	DFT-s-OFDM BPSK	Top Edge	0	381500	1907.5	1	1	-0.03	1.930	22.89	24.20	1.352	2.609	54#
	State1		Top Edge	0	381500	1907.5	50	0	-0.13	1.880	22.89	24.20	1.352	2.542	/
	State1		Top Edge	0	372000	1860	1	1	0.17	1.810	22.85	24.20	1.365	2.471	/
	State1		Top Edge	0	376000	1880	1	1	0.06	1.750	22.85	24.20	1.365	2.389	/
	State1		Top Edge	0	372000	1860	50	0	-0.10	1.830	22.81	24.20	1.377	2.520	/
	State1		Top Edge	0	376000	1880	50	0	0.11	1.650	22.38	24.20	1.521	2.510	/
	State1		Top Edge	0	381500	1907.5	100	0	-0.12	1.610	22.08	23.20	1.294	2.083	/
	State4		Top Edge	0	381500	1907.5	1	1	-0.10	0.941	20.55	21.20	1.161	1.093	/
	State4		Top Edge	0	381500	1907.5	50	0	0.16	0.933	20.59	21.20	1.151	1.074	/
Sensor n-1（Open）															
Ant.4	Full Power	DFT-s-OFDM BPSK	Front Side	9	381500	1907.5	1	1	-0.16	0.258	22.89	24.20	1.352	0.349	/
	Full Power		Front Side	9	381500	1907.5	50	0	-0.07	0.214	22.89	24.20	1.352	0.289	/
	Full Power		Back Side	10	381500	1907.5	1	1	-0.02	0.225	22.89	24.20	1.352	0.304	/
	Full Power		Back Side	10	381500	1907.5	50	0	-0.09	0.189	22.89	24.20	1.352	0.256	/
	Full Power		Right Edge	10	381500	1907.5	1	1	-0.13	0.123	22.89	24.20	1.352	0.166	/
	Full Power		Right Edge	10	381500	1907.5	50	0	-0.02	0.105	22.89	24.20	1.352	0.142	/
	Full Power		Top Edge	11	381500	1907.5	1	1	-0.11	0.589	22.89	24.20	1.352	0.796	/
	Full Power		Top Edge	11	381500	1907.5	50	0	-0.07	0.489	22.89	24.20	1.352	0.661	/
Sensor n-1（Close）															
Ant.4	Full Power	DFT-s-OFDM	Front Side	9	381500	1907.5	1	1	0.16	0.218	22.89	24.20	1.352	0.295	/
	Full Power		Front Side	9	381500	1907.5	50	0	-0.10	0.186	22.89	24.20	1.352	0.251	/

	Full Power	BPSK	Back Side	10	381500	1907.5	1	1	0.08	0.080	22.89	24.20	1.352	0.108	/
	Full Power		Back Side	10	381500	1907.5	50	0	0.07	0.064	22.89	24.20	1.352	0.087	/
	Full Power		Right Edge	10	381500	1907.5	1	1	-0.14	0.069	22.89	24.20	1.352	0.093	/
	Full Power		Right Edge	10	381500	1907.5	50	0	0.17	0.057	22.89	24.20	1.352	0.077	/
	Full Power		Bottom Edge	11	381500	1907.5	1	1	0.05	0.414	22.89	24.20	1.352	0.560	/
	Full Power		Bottom Edge	11	381500	1907.5	50	0	-0.09	0.359	22.89	24.20	1.352	0.485	/

11.17 n5 (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	State3	DFT-s-OFDM BPSK	Left Cheek	0	167800	839	1	1	0.15	0.312	20.88	20.90	1.005	0.314	/
	State3		Left Cheek	0	167800	839	50	0	-0.04	0.316	20.85	20.90	1.012	0.320	/
	State3		Left Tilt	0	167800	839	1	1	-0.01	0.133	20.88	20.90	1.005	0.134	/
	State3		Left Tilt	0	167800	839	50	0	0.17	0.138	20.85	20.90	1.012	0.140	/
	State3		Right Cheek	0	167800	839	1	1	0.01	0.782	20.88	20.90	1.005	0.786	55#
	State3		Right Cheek	0	167800	839	50	0	0.04	0.761	20.85	20.90	1.012	0.770	/
	State3		Right Tilt	0	167800	839	1	1	0.02	0.233	20.88	20.90	1.005	0.234	/
	State3		Right Tilt	0	167800	839	50	0	0.04	0.225	20.85	20.90	1.012	0.228	/
Ant.0	State6	DFT-s-OFDM BPSK	Left Cheek	0	167800	839	1	1	0.15	0.153	17.59	17.90	1.074	0.164	/
	State6		Left Cheek	0	167800	839	50	0	0.14	0.159	17.62	17.90	1.067	0.170	/
	State6		Left Tilt	0	167800	839	1	1	0.04	0.065	17.59	17.90	1.074	0.070	/
	State6		Left Tilt	0	167800	839	50	0	0.14	0.064	17.62	17.90	1.067	0.068	/
	State6		Right Cheek	0	167800	839	1	1	0.06	0.392	17.59	17.90	1.074	0.421	/
	State6		Right Cheek	0	167800	839	50	0	0.18	0.385	17.62	17.90	1.067	0.411	/
	State6		Right Tilt	0	167800	839	1	1	-0.14	0.119	17.59	17.90	1.074	0.128	/
	State6		Right Tilt	0	167800	839	50	0	0.01	0.116	17.62	17.90	1.067	0.124	/
Ant.1	State3&6	DFT-s-OFDM BPSK	Left Cheek	0	166800	834	1	1	-0.01	0.055	24.23	25.20	1.250	0.069	/
	State3&6		Left Cheek	0	166800	834	50	0	0.11	0.053	24.25	25.20	1.245	0.066	/
	State3&6		Left Tilt	0	166800	834	1	1	0.11	0.021	24.23	25.20	1.250	0.026	/
	State3&6		Left Tilt	0	166800	834	50	0	-0.18	0.019	24.25	25.20	1.245	0.024	/
	State3&6		Right Cheek	0	166800	834	1	1	0.01	0.045	24.23	25.20	1.250	0.056	/
	State3&6		Right Cheek	0	166800	834	50	0	-0.14	0.043	24.25	25.20	1.245	0.054	/
	State3&6		Right Tilt	0	166800	834	1	1	-0.02	0.013	24.23	25.20	1.250	0.016	/
	State3&6		Right Tilt	0	166800	834	50	0	-0.14	0.011	24.25	25.20	1.245	0.014	/
Body-worn (Open)															
Ant.0	State1	DFT-s-OFDM BPSK	Front Side	15	167800	839	1	1	0.04	0.214	23.87	24.90	1.268	0.271	56#
	State1		Front Side	15	167800	839	50	0	0.05	0.202	23.78	24.90	1.294	0.261	/
	State1		Back Side	15	167800	839	1	1	-0.16	0.155	23.87	24.90	1.268	0.197	/
	State1		Back Side	15	167800	839	50	0	0.00	0.151	23.78	24.90	1.294	0.195	/
Ant.1	State1	DFT-s-OFDM BPSK	Front Side	15	166800	834	1	1	0.19	0.133	24.23	25.20	1.250	0.166	/
	State1		Front Side	15	166800	834	50	0	-0.01	0.128	24.25	25.20	1.245	0.159	/
	State1		Back Side	15	166800	834	1	1	0.03	0.131	24.23	25.20	1.250	0.164	/
	State1		Back Side	15	166800	834	50	0	-0.10	0.125	24.25	25.20	1.245	0.156	/
Body-worn Close)															
Ant.0	State1	DFT-s-	Front Side	15	167800	839	1	1	0.02	0.083	23.87	24.90	1.268	0.105	/

	State1	OFDM BPSK	Front Side	15	167800	839	50	0	0.10	0.081	23.78	24.90	1.294	0.105	/
	State1		Back Side	15	167800	839	1	1	-0.17	0.044	23.87	24.90	1.268	0.056	/
	State1		Back Side	15	167800	839	50	0	-0.01	0.041	23.78	24.90	1.294	0.053	/
Ant.1	State1	DFT-s-OFDM BPSK	Front Side	15	166800	834	1	1	0.17	0.023	24.23	25.20	1.250	0.029	/
	State1		Front Side	15	166800	834	50	0	-0.12	0.021	24.25	25.20	1.245	0.026	/
	State1		Back Side	15	166800	834	1	1	0.19	0.011	24.23	25.20	1.250	0.014	/
	State1		Back Side	15	166800	834	50	0	-0.05	0.010	24.25	25.20	1.245	0.012	/
Hotspot (Open)															
Ant.0	State4	DFT-s-OFDM BPSK	Front Side	10	167800	839	1	1	0.18	0.311	21.84	21.90	1.014	0.315	/
	State4		Front Side	10	167800	839	50	0	0.06	0.306	21.84	21.90	1.014	0.310	/
	State4		Back Side	10	167800	839	1	1	-0.04	0.223	21.84	21.90	1.014	0.226	/
	State4		Back Side	10	167800	839	50	0	0.13	0.231	21.84	21.90	1.014	0.234	/
	State4		Right Edge	10	167800	839	1	1	-0.02	0.323	21.84	21.90	1.014	0.328	/
	State4		Right Edge	10	167800	839	50	0	-0.04	0.333	21.84	21.90	1.014	0.338	57#
	State4		Top Edge	10	167800	839	1	1	0.11	0.006	21.84	21.90	1.014	0.006	/
	State4		Top Edge	10	167800	839	50	0	-0.14	0.005	21.84	21.90	1.014	0.005	/
Ant.1	State4	DFT-s-OFDM BPSK	Front Side	10	166800	834	1	1	-0.02	0.138	21.77	22.20	1.104	0.152	/
	State4		Front Side	10	166800	834	50	0	-0.14	0.156	21.95	22.20	1.059	0.165	/
	State4		Back Side	10	166800	834	1	1	-0.03	0.134	21.77	22.20	1.104	0.148	/
	State4		Back Side	10	166800	834	50	0	-0.08	0.155	21.95	22.20	1.059	0.164	/
	State4		Left Edge	10	166800	834	1	1	0.07	0.097	21.77	22.20	1.104	0.107	/
	State4		Left Edge	10	166800	834	50	0	0.19	0.104	21.95	22.20	1.059	0.110	/
	State4		Bottom Edge	10	166800	834	1	1	-0.11	0.170	21.77	22.20	1.104	0.188	/
	State4		Bottom Edge	10	166800	834	50	0	0.00	0.164	21.95	22.20	1.059	0.174	/
Hotspot (Close)															
“Ant.0	State4	DFT-s-OFDM BPSK	Front Side	10	167800	839	1	1	0.11	0.085	21.84	21.90	1.014	0.086	/
	State4		Front Side	10	167800	839	50	0	-0.13	0.091	21.84	21.90	1.014	0.092	/
	State4		Back Side	10	167800	839	1	1	-0.18	0.003	21.84	21.90	1.014	0.003	/
	State4		Back Side	10	167800	839	50	0	0.08	0.002	21.84	21.90	1.014	0.002	/
	State4		Right Edge	10	167800	839	1	1	0.14	0.144	21.84	21.90	1.014	0.146	/
	State4		Right Edge	10	167800	839	50	0	0.03	0.147	21.84	21.90	1.014	0.149	/
	State4		Top Edge	10	167800	839	1	1	0.00	0.001	21.84	21.90	1.014	0.001	/
	State4		Top Edge	10	167800	839	50	0	0.00	0.002	21.84	21.90	1.014	0.002	/
Ant.1	State4	DFT-s-OFDM BPSK	Front Side	10	166800	834	1	1	-0.10	0.032	21.77	22.20	1.104	0.035	/
	State4		Front Side	10	166800	834	50	0	-0.17	0.031	21.95	22.20	1.059	0.033	/
	State4		Back Side	10	166800	834	1	1	0.08	0.025	21.77	22.20	1.104	0.028	/
	State4		Back Side	10	166800	834	50	0	0.02	0.026	21.95	22.20	1.059	0.028	/
	State4		Left Edge	10	166800	834	1	1	0.03	0.011	21.77	22.20	1.104	0.012	/
	State4		Left Edge	10	166800	834	50	0	-0.18	0.010	21.95	22.20	1.059	0.011	/
	State4		Top Edge	10	166800	834	1	1	-0.10	0.006	21.77	22.20	1.104	0.007	/
	State4		Top Edge	10	166800	834	50	0	-0.10	0.005	21.95	22.20	1.059	0.005	/

11.18 n7 (50MHz 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.4	State3	DFT-s-OFDM BPSK	Left Cheek	0	507000	2535	1	1	0.03	0.356	15.44	15.50	1.014	0.361	/
	State3		Left Cheek	0	507000	2535	108	0	0.13	0.344	15.46	15.50	1.009	0.347	/
	State3		Left Tilt	0	507000	2535	1	1	0.06	0.487	15.44	15.50	1.014	0.494	/
	State3		Left Tilt	0	507000	2535	108	0	-0.01	0.492	15.46	15.50	1.009	0.496	/
	State3		Right Cheek	0	507000	2535	1	1	0.15	0.775	15.44	15.50	1.014	0.786	/
	State3		Right Cheek	0	507000	2535	108	0	0.02	0.781	15.46	15.50	1.009	0.788	
	State3		Right Tilt	0	507000	2535	1	1	0.18	0.534	15.44	15.50	1.014	0.541	/
	State3		Right Tilt	0	507000	2535	108	0	0.12	0.539	15.46	15.50	1.009	0.544	/
Ant.4	State6	DFT-s-OFDM BPSK	Left Cheek	0	507000	2535	1	1	-0.11	0.175	12.11	12.50	1.094	0.191	/
	State6		Left Cheek	0	507000	2535	108	0	0.15	0.171	12.19	12.50	1.074	0.184	/
	State6		Left Tilt	0	507000	2535	1	1	-0.19	0.237	12.11	12.50	1.094	0.259	/
	State6		Left Tilt	0	507000	2535	108	0	-0.07	0.239	12.19	12.50	1.074	0.257	/
	State6		Right Cheek	0	507000	2535	1	1	-0.17	0.434	12.11	12.50	1.094	0.475	/
	State6		Right Cheek	0	507000	2535	108	0	0.17	0.438	12.19	12.50	1.074	0.470	/
	State6		Right Tilt	0	507000	2535	1	1	-0.08	0.265	12.11	12.50	1.094	0.290	/
	State6		Right Tilt	0	507000	2535	108	0	-0.16	0.271	12.19	12.50	1.074	0.291	/
Ant.5	State3	DFT-s-OFDM BPSK	Left Cheek	0	508000	2542.5	1	1	-0.16	0.632	18.22	18.50	1.067	0.674	/
	State3		Left Cheek	0	508000	2542.5	108	0	0.07	0.611	18.28	18.50	1.052	0.643	/
	State3		Left Tilt	0	508000	2542.5	1	1	0.10	0.112	18.22	18.50	1.067	0.120	/
	State3		Left Tilt	0	508000	2542.5	108	0	-0.18	0.115	18.28	18.50	1.052	0.121	/
	State3		Right Cheek	0	508000	2542.5	1	1	-0.07	0.923	18.22	18.50	1.067	0.985	/
	State3		Right Cheek	0	508000	2542.5	108	0	0.00	0.976	18.28	18.50	1.052	1.027	58#
	State3		Right Tilt	0	508000	2542.5	1	1	-0.08	0.095	18.22	18.50	1.067	0.101	/
	State3		Right Tilt	0	508000	2542.5	108	0	0.15	0.098	18.28	18.50	1.052	0.103	/
	State3		Right Cheek	0	505000	2527.5	1	1	-0.08	0.785	18.17	18.50	1.079	0.847	/
	State3		Right Cheek	0	508000	2542.5	1	1	0.11	0.766	18.19	18.50	1.074	0.823	/
	State3		Right Cheek	0	505000	2527.5	108	0	0.13	0.723	18.21	18.50	1.069	0.773	/
	State3		Right Cheek	0	508000	2542.5	108	0	0.05	0.748	18.23	18.50	1.064	0.796	/
	State3		Right Cheek	0	507000	2535	216	0	-0.11	0.743	18.24	18.50	1.062	0.789	/
Ant.5	State6	DFT-s-OFDM BPSK	Left Cheek	0	508000	2542.5	1	1	-0.01	0.501	17.26	17.50	1.057	0.530	/
	State6		Left Cheek	0	508000	2542.5	108	0	-0.19	0.477	17.23	17.50	1.064	0.508	/
	State6		Left Tilt	0	508000	2542.5	1	1	0.12	0.091	17.26	17.50	1.057	0.096	/
	State6		Left Tilt	0	508000	2542.5	108	0	0.12	0.093	17.23	17.50	1.064	0.099	/
	State6		Right Cheek	0	508000	2542.5	1	1	-0.19	0.726	17.26	17.50	1.057	0.767	/
	State6		Right Cheek	0	508000	2542.5	108	0	-0.15	0.734	17.23	17.50	1.064	0.781	/

	State6		Right Tilt	0	508000	2542.5	1	1	0.08	0.079	17.26	17.50	1.057	0.084	/
	State6		Right Tilt	0	508000	2542.5	108	0	0.02	0.083	17.23	17.50	1.064	0.088	/
Ant.0	State3	DFT-s-OFDM BPSK (NSA)	Left Cheek	0	508000	2542.5	1	1	0.05	0.486	14.33	14.50	1.040	0.505	/
	State3		Left Cheek	0	508000	2542.5	108	0	0.01	0.453	14.16	14.50	1.081	0.490	/
	State3		Left Tilt	0	508000	2542.5	1	1	-0.02	0.053	14.33	14.50	1.040	0.055	/
	State3		Left Tilt	0	508000	2542.5	108	0	0.06	0.046	14.16	14.50	1.081	0.050	/
	State3		Right Cheek	0	508000	2542.5	1	1	0.11	0.686	14.33	14.50	1.040	0.713	/
	State3		Right Cheek	0	508000	2542.5	108	0	0.04	0.657	14.16	14.50	1.081	0.710	/
	State3		Right Tilt	0	508000	2542.5	1	1	0.07	0.092	14.33	14.50	1.040	0.096	/
	State3		Right Tilt	0	508000	2542.5	108	0	0.09	0.089	14.16	14.50	1.081	0.096	/
Ant.6	State3	DFT-s-OFDM BPSK (NSA)	Left Cheek	0	508000	2542.5	1	1	0.05	0.055	22.14	22.40	1.062	0.058	/
	State3		Left Cheek	0	508000	2542.5	108	0	-0.06	0.051	22.05	22.40	1.084	0.055	/
	State3		Left Tilt	0	508000	2542.5	1	1	0.01	0.021	22.14	22.40	1.062	0.022	/
	State3		Left Tilt	0	508000	2542.5	108	0	0.11	0.018	22.05	22.40	1.084	0.020	/
	State3		Right Cheek	0	508000	2542.5	1	1	0.09	0.047	22.14	22.40	1.062	0.050	/
	State3		Right Cheek	0	508000	2542.5	108	0	0.04	0.045	22.05	22.40	1.084	0.049	/
	State3		Right Tilt	0	508000	2542.5	1	1	0.03	0.023	22.14	22.40	1.062	0.024	/
	State3		Right Tilt	0	508000	2542.5	108	0	-0.05	0.020	22.05	22.40	1.084	0.022	/
Body-worn (Open)															
Ant.4	State1	DFT-s-OFDM BPSK	Front Side	15	507000	2535	1	1	0.01	0.393	21.78	22.50	1.180	0.464	59#
	State1		Front Side	15	507000	2535	108	0	0.06	0.365	21.97	22.50	1.130	0.412	/
	State1		Back Side	15	507000	2535	1	1	-0.07	0.351	21.78	22.50	1.180	0.414	/
	State1		Back Side	15	507000	2535	108	0	-0.05	0.332	21.97	22.50	1.130	0.375	/
Ant.5	State1	DFT-s-OFDM BPSK	Front Side	15	508000	2542.5	1	1	-0.13	0.233	21.17	22.50	1.358	0.316	/
	State1		Front Side	15	508000	2542.5	108	0	-0.06	0.226	21.27	22.50	1.327	0.300	/
	State1		Back Side	15	508000	2542.5	1	1	0.15	0.256	21.17	22.50	1.358	0.348	/
	State1		Back Side	15	508000	2542.5	108	0	0.14	0.248	21.27	22.50	1.327	0.329	/
Ant.0	State1	DFT-s-OFDM BPSK (NSA)	Front Side	15	507000	2535	1	1	0.02	0.125	19.13	19.50	1.089	0.136	/
	State1		Front Side	15	507000	2535	108	0	0.05	0.119	19.17	19.50	1.079	0.128	/
	State1		Back Side	15	507000	2535	1	1	0.04	0.088	19.13	19.50	1.089	0.096	/
	State1		Back Side	15	507000	2535	108	0	0.11	0.083	19.17	19.50	1.079	0.090	/
Ant.6	State1		Front Side	15	508000	2542.5	1	1	-0.03	0.056	20.91	21.40	1.119	0.063	/
	State1		Front Side	15	508000	2542.5	108	0	-0.05	0.050	20.83	21.40	1.140	0.057	/
	State1		Back Side	15	508000	2542.5	1	1	0.08	0.080	20.91	21.40	1.119	0.090	/
	State1		Back Side	15	508000	2542.5	108	0	-0.07	0.072	20.83	21.40	1.140	0.082	/
Body- (Close)															
Ant.4	State1	DFT-s-OFDM BPSK	Front Side	15	507000	2535	1	1	-0.03	0.206	21.78	22.50	1.180	0.243	/
	State1		Front Side	15	507000	2535	108	0	0.16	0.211	21.97	22.50	1.130	0.238	/
	State1		Back Side	15	507000	2535	1	1	0.10	0.042	21.78	22.50	1.180	0.050	/
	State1		Back Side	15	507000	2535	108	0	0.08	0.041	21.97	22.50	1.130	0.046	/
Ant.5	State1	DFT-s-OFDM BPSK	Front Side	15	508000	2542.5	1	1	0.01	0.245	21.17	22.50	1.358	0.333	/
	State1		Front Side	15	508000	2542.5	108	0	-0.19	0.233	21.27	22.50	1.327	0.309	/
	State1		Back Side	15	508000	2542.5	1	1	0.17	0.041	21.17	22.50	1.358	0.056	/

	State1		Back Side	15	508000	2542.5	108	0	-0.13	0.031	21.27	22.50	1.327	0.041	/
Ant.0	State1	DFT-s-OFDM BPSK (NSA)	Front Side	15	507000	2535	1	1	0.07	0.088	19.13	19.50	1.089	0.096	/
	State1		Front Side	15	507000	2535	108	0	0.09	0.081	19.17	19.50	1.079	0.087	/
	State1		Back Side	15	507000	2535	1	1	0.17	0.051	19.13	19.50	1.089	0.056	/
	State1		Back Side	15	507000	2535	108	0	-0.02	0.046	19.17	19.50	1.079	0.050	/
Ant.6	State1		Front Side	15	508000	2542.5	1	1	-0.04	0.031	20.91	21.40	1.119	0.035	/
	State1		Front Side	15	508000	2542.5	108	0	0.08	0.026	20.83	21.40	1.140	0.030	/
	State1		Back Side	15	508000	2542.5	1	1	-0.07	0.078	20.91	21.40	1.119	0.087	/
	State1		Back Side	15	508000	2542.5	108	0	0.02	0.075	20.83	21.40	1.140	0.086	/
Hotspot (Open)															
Ant.4	State4	DFT-s-OFDM BPSK	Front Side	10	507000	2535	1	1	0.03	0.381	19.11	19.50	1.094	0.417	/
	State4		Front Side	10	507000	2535	108	0	-0.19	0.378	19.07	19.50	1.104	0.417	/
	State4		Back Side	10	507000	2535	1	1	0.18	0.329	19.11	19.50	1.094	0.360	/
	State4		Back Side	10	507000	2535	108	0	0.03	0.320	19.07	19.50	1.104	0.353	/
	State4		Right Edge	10	507000	2535	1	1	0.11	0.351	19.11	19.50	1.094	0.384	/
	State4		Right Edge	10	507000	2535	108	0	0.06	0.354	19.07	19.50	1.104	0.391	/
	State4		Top Edge	10	507000	2535	1	1	-0.01	0.737	19.11	19.50	1.094	0.806	60#
	State4		Top Edge	10	507000	2535	108	0	0.00	0.726	19.07	19.50	1.104	0.802	/
	State4		Top Edge	10	505000	2527.5	1	1	0.13	0.692	18.95	19.50	1.135	0.785	/
	State4		Top Edge	10	508000	2542.5	1	1	0.18	0.703	18.93	19.50	1.140	0.801	/
	State4		Top Edge	10	505000	2527.5	108	0	-0.01	0.731	19.11	19.50	1.094	0.800	/
	State4		Top Edge	10	508000	2542.5	108	0	0.07	0.702	18.99	19.50	1.125	0.790	/
	State4		Top Edge	10	507000	2535	216	0	-0.05	0.695	18.89	19.50	1.151	0.800	/
Ant.5	State4	DFT-s-OFDM BPSK	Front Side	10	508000	2542.5	1	108	0.15	0.313	18.66	19.50	1.213	0.380	/
	State4		Front Side	10	508000	2542.5	108	0	0.01	0.325	18.79	19.50	1.178	0.383	/
	State4		Back Side	10	508000	2542.5	1	1	0.15	0.343	18.66	19.50	1.213	0.416	/
	State4		Back Side	10	508000	2542.5	108	0	-0.06	0.353	18.79	19.50	1.178	0.416	/
	State4		Left Edge	10	508000	2542.5	1	1	0.06	0.465	18.66	19.50	1.213	0.564	/
	State4		Left Edge	10	508000	2542.5	108	0	-0.01	0.480	18.79	19.50	1.178	0.565	/
Ant.4	State4	DFT-s-OFDM BPSK (NSA)	Front Side	10	508000	2542.5	1	108	0.16	0.162	16.37	16.50	1.030	0.167	/
	State4		Front Side	10	508000	2542.5	108	0	0.18	0.150	16.31	16.50	1.045	0.157	/
	State4		Back Side	10	508000	2542.5	1	1	0.01	0.108	16.37	16.50	1.030	0.111	/
	State4		Back Side	10	508000	2542.5	108	0	-0.02	0.099	16.31	16.50	1.045	0.103	/
	State4		Right Edge	10	508000	2542.5	1	1	0.17	0.241	16.37	16.50	1.030	0.248	/
	State4		Right Edge	10	508000	2542.5	108	0	-0.08	0.235	16.31	16.50	1.045	0.246	/
	State4		Top Edge	10	508000	2542.5	1	1	0.17	0.055	16.37	16.50	1.030	0.057	/
	State4		Top Edge	10	508000	2542.5	108	0	-0.08	0.041	16.31	16.50	1.045	0.043	/
Ant.5	State4	DFT-s-OFDM BPSK (NSA)	Front Side	10	508000	2542.5	1	108	0.12	0.057	18.29	18.40	1.026	0.058	/
	State4		Front Side	10	508000	2542.5	108	0	0.18	0.050	18.25	18.40	1.035	0.052	/
	State4		Back Side	10	508000	2542.5	1	1	0.16	0.097	18.29	18.40	1.026	0.100	/

	State4		Back Side	10	508000	2542.5	108	0	-0.07	0.092	18.25	18.40	1.035	0.095	/
	State4		Right Edge	10	508000	2542.5	1	1	-0.19	0.060	18.29	18.40	1.026	0.062	/
	State4		Right Edge	10	508000	2542.5	108	0	-0.02	0.055	18.25	18.40	1.035	0.057	/
	State4		Bottom Edge	10	508000	2542.5	1	1	-0.19	0.087	18.29	18.40	1.026	0.089	/
	State4		Bottom Edge	10	508000	2542.5	108	0	-0.02	0.082	18.25	18.40	1.035	0.085	/
Hotspot (Close)															
	State4		Front Side	10	507000	2535	1	1	-0.15	0.285	19.11	19.50	1.094	0.312	/
	State4		Front Side	10	507000	2535	108	0	0.13	0.300	19.07	19.50	1.104	0.331	/
	State4		Back Side	10	507000	2535	1	1	0.07	0.050	19.11	19.50	1.094	0.055	/
	State4		Back Side	10	507000	2535	108	0	0.00	0.056	19.07	19.50	1.104	0.062	/
	State4		Right Edge	10	507000	2535	1	1	-0.19	0.256	19.11	19.50	1.094	0.280	/
	State4	DFT-s-OFDM BPSK	Right Edge	10	507000	2535	108	0	-0.09	0.269	19.07	19.50	1.104	0.297	/
Ant.4	State4		Bottom Edge	10	507000	2535	1	1	0.03	0.428	19.11	19.50	1.094	0.468	/
	State4		Bottom Edge	10	507000	2535	108	0	-0.01	0.468	19.07	19.50	1.104	0.517	/
	State4		Bottom Edge	10	505000	2527.5	1	1	-0.12	0.370	18.95	19.50	1.135	0.420	/
	State4		Bottom Edge	10	508000	2542.5	1	1	0.12	0.409	18.93	19.50	1.140	0.466	/
	State4		Bottom Edge	10	505000	2527.5	108	0	0.01	0.406	19.11	19.50	1.094	0.444	/
	State4		Bottom Edge	10	508000	2542.5	108	0	-0.16	0.400	18.99	19.50	1.125	0.450	/
	State4		Bottom Edge	10	507000	2535	216	0	0.16	0.437	18.89	19.50	1.151	0.503	/
	State4		Front Side	10	508000	2542.5	1	1	0.18	0.306	18.66	19.50	1.213	0.371	/
	State4		Front Side	10	508000	2542.5	108	0	-0.10	0.324	18.79	19.50	1.178	0.382	/
	State4		Back Side	10	508000	2542.5	1	1	-0.03	0.049	18.66	19.50	1.213	0.059	/
	State4	DFT-s-OFDM BPSK	Back Side	10	508000	2542.5	108	0	0.10	0.050	18.79	19.50	1.178	0.059	/
Ant.5	State4		Left Edge	10	508000	2542.5	1	1	-0.17	0.334	18.66	19.50	1.213	0.405	/
	State4		Left Edge	10	508000	2542.5	108	0	0.03	0.353	18.79	19.50	1.178	0.416	/
	State4		Top Edge	10	508000	2542.5	1	1	-0.15	0.048	18.66	19.50	1.213	0.058	/
	State4		Top Edge	10	508000	2542.5	108	0	0.10	0.050	18.79	19.50	1.178	0.059	/
	State4		Front Side	10	508000	2542.5	1	108	-0.11	0.112	16.37	16.50	1.030	0.115	/
	State4		Front Side	10	508000	2542.5	108	0	0.11	0.102	16.31	16.50	1.045	0.107	/
	State4		Back Side	10	508000	2542.5	1	1	-0.04	0.051	16.37	16.50	1.030	0.053	/
Ant.4	State4	DFT-s-OFDM BPSK (NSA)	Back Side	10	508000	2542.5	108	0	-0.14	0.047	16.31	16.50	1.045	0.049	/
	State4		Right Edge	10	508000	2542.5	1	1	0.02	0.211	16.37	16.50	1.030	0.217	/
	State4		Right Edge	10	508000	2542.5	108	0	-0.15	0.205	16.31	16.50	1.045	0.214	/
	State4		Top Edge	10	508000	2542.5	1	1	-0.12	0.059	16.37	16.50	1.030	0.061	/
	State4		Top Edge	10	508000	2542.5	108	0	-0.06	0.051	16.31	16.50	1.045	0.053	/
	State4		Front Side	10	508000	2542.5	1	108	0.08	0.063	18.29	18.40	1.026	0.065	/
	State4		Front Side	10	508000	2542.5	108	0	0.01	0.061	18.25	18.40	1.035	0.063	/
	State4		Back Side	10	508000	2542.5	1	1	0.16	0.100	18.29	18.40	1.026	0.103	/
Ant.5	State4	DFT-s-OFDM BPSK (NSA)	Back Side	10	508000	2542.5	108	0	0.19	0.096	18.25	18.40	1.035	0.099	/
	State4		Right Edge	10	508000	2542.5	1	1	-0.09	0.042	18.29	18.40	1.026	0.043	/
	State4		Right Edge	10	508000	2542.5	108	0	-0.07	0.040	18.25	18.40	1.035	0.041	/

	State4		Bottom Edge	10	508000	2542.5	1	1	-0.10	0.146	18.29	18.40	1.026	0.150	/
	State4		Bottom Edge	10	508000	2542.5	108	0	-0.04	0.141	18.25	18.40	1.035	0.146	/
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific（Open）															
Ant.4	State1	DFT-s-OFDM BPSK	Top Edge	0	507000	2535	1	1	0.03	1.630	21.78	22.50	1.180	1.923	61#
	State1		Top Edge	0	507000	2535	108	0	0.15	1.570	21.97	22.50	1.130	1.774	/
	State4		Top Edge	0	507000	2535	1	1	0.03	0.513	19.11	19.50	1.094	0.561	/
	State4		Top Edge	0	507000	2535	108	0	0.12	0.491	19.07	19.50	1.104	0.542	/
Specific(Close)															
Ant.4	State1	DFT-s-OFDM BPSK	Bottom Edge	0	507000	2535	1	1	0.04	1.610	21.78	22.50	1.180	1.900	/
	State1		Bottom Edge	0	507000	2535	108	0	-0.05	1.550	21.97	22.50	1.130	1.752	/
	State4		Bottom Edge	0	507000	2535	1	1	0.16	0.499	19.11	19.50	1.094	0.546	/
	State4		Bottom Edge	0	507000	2535	108	0	0.06	0.452	19.07	19.50	1.104	0.499	/
Sensor n-1（Open）															
Ant.4	Full Power	DFT-s-OFDM BPSK	Front Side	9	507000	2535	1	108	0.10	0.594	22.95	24.50	1.429	0.849	/
	Full Power		Front Side	9	508000	2545.5	108	54	0.17	0.369	23.05	24.50	1.396	0.515	/
	Full Power		Back Side	10	507000	2535	1	108	0.15	0.438	22.95	24.50	1.429	0.626	/
	Full Power		Back Side	10	508000	2545.5	108	54	-0.19	0.308	23.05	24.50	1.396	0.430	/
	Full Power		Right Edge	10	507000	2535	1	108	-0.06	0.402	22.95	24.50	1.429	0.574	/
	Full Power		Right Edge	10	508000	2545.5	108	54	0.00	0.290	23.05	24.50	1.396	0.405	/
	Full Power		Top Edge	11	507000	2535	1	108	0.08	0.738	22.95	24.50	1.429	1.055	/
	Full Power		Top Edge	11	508000	2545.5	108	54	-0.13	0.533	23.05	24.50	1.396	0.744	/
Sensor n-1（Close）															
Ant.4	Full Power	DFT-s-OFDM BPSK	Front Side	9	507000	2535	1	108	0.18	0.430	22.95	24.50	1.429	0.614	/
	Full Power		Front Side	9	508000	2545.5	108	54	0.18	0.303	23.05	24.50	1.396	0.423	/
	Full Power		Back Side	10	507000	2535	1	108	0.18	0.079	22.95	24.50	1.429	0.113	/
	Full Power		Back Side	10	508000	2545.5	108	54	-0.17	0.058	23.05	24.50	1.396	0.081	/
	Full Power		Right Edge	10	507000	2535	1	108	0.10	0.259	22.95	24.50	1.429	0.370	/
	Full Power		Right Edge	10	508000	2545.5	108	54	-0.02	0.187	23.05	24.50	1.396	0.261	/
	Full Power		Top Edge	11	507000	2535	1	108	-0.08	0.424	22.95	24.50	1.429	0.606	/
	Full Power		Top Edge	11	508000	2545.5	108	54	-0.19	0.290	23.05	24.50	1.396	0.405	/

11.19 n12 (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	State3	DFT-s-OFDM BPSK	Left Cheek	0	141500	707.5	1	1	-0.04	0.285	21.81	22.20	1.094	0.312	/
	State3		Left Cheek	0	141500	707.5	36	0	0.18	0.316	21.95	22.20	1.059	0.335	/
	State3		Left Tilt	0	141500	707.5	1	1	-0.08	0.120	21.81	22.20	1.094	0.131	/
	State3		Left Tilt	0	141500	707.5	36	0	0.05	0.131	21.95	22.20	1.059	0.139	/
	State3		Right Cheek	0	141500	707.5	1	1	-0.19	0.756	21.81	22.20	1.094	0.827	/
	State3		Right Cheek	0	141500	707.5	36	0	-0.06	0.811	21.95	22.20	1.059	0.859	/
	State3		Right Tilt	0	141500	707.5	1	1	-0.17	0.183	21.81	22.20	1.094	0.200	/
	State3		Right Tilt	0	141500	707.5	36	0	0.14	0.211	21.95	22.20	1.059	0.223	/
	State3		Right Cheek	0	141300	706.5	1	1	0.04	0.728	21.73	22.20	1.114	0.811	/
	State3		Right Cheek	0	141700	708.5	1	36	0.11	0.769	21.74	22.20	1.112	0.855	/
	State3		Right Cheek	0	141300	706.5	36	18	-0.07	0.790	21.93	22.20	1.064	0.841	/
	State3		Right Cheek	0	141700	708.5	36	18	0.15	0.818	21.85	22.20	1.084	0.887	/
	State3		Right Cheek	0	141500	707.5	75	0	0.03	0.841	21.93	22.20	1.064	0.895	62#
Ant.0	State6	DFT-s-OFDM BPSK	Left Cheek	0	141500	707.5	1	1	-0.10	0.145	18.85	19.20	1.084	0.157	/
	State6		Left Cheek	0	141500	707.5	36	0	-0.10	0.158	18.72	19.20	1.117	0.176	/
	State6		Left Tilt	0	141500	707.5	1	1	0.11	0.062	18.85	19.20	1.084	0.067	/
	State6		Left Tilt	0	141500	707.5	36	0	0.11	0.066	18.72	19.20	1.117	0.074	/
	State6		Right Cheek	0	141500	707.5	1	1	-0.19	0.375	18.85	19.20	1.084	0.407	/
	State6		Right Cheek	0	141500	707.5	36	0	0.01	0.405	18.72	19.20	1.117	0.452	/
	State6		Right Tilt	0	141500	707.5	1	1	0.00	0.092	18.85	19.20	1.084	0.100	/
	State6		Right Tilt	0	141500	707.5	36	0	0.13	0.103	18.72	19.20	1.117	0.115	/
Ant.1	State3&6	DFT-s-OFDM BPSK	Left Cheek	0	141500	707.5	1	1	0.12	0.044	24.12	25.00	1.225	0.054	/
	State3&6		Left Cheek	0	141500	707.5	36	0	0.10	0.042	24.15	25.00	1.216	0.051	/
	State3&6		Left Tilt	0	141500	707.5	1	1	0.05	0.021	24.12	25.00	1.225	0.026	/
	State3&6		Left Tilt	0	141500	707.5	36	0	0.06	0.019	24.15	25.00	1.216	0.023	/
	State3&6		Right Cheek	0	141500	707.5	1	1	-0.11	0.037	24.12	25.00	1.225	0.045	/
	State3&6		Right Cheek	0	141500	707.5	36	0	0.08	0.035	24.15	25.00	1.216	0.043	/
	State3&6		Right Tilt	0	141500	707.5	1	1	-0.15	0.015	24.12	25.00	1.225	0.018	/
	State3&6		Right Tilt	0	141500	707.5	36	0	0.00	0.016	24.15	25.00	1.216	0.019	/
Body-worn (Open)															
Ant.0	State1	DFT-s-OFDM BPSK	Front Side	15	141500	707.5	1	1	0.03	0.204	23.82	24.70	1.225	0.250	63#
	State1		Front Side	15	141500	707.5	36	0	0.01	0.193	23.89	24.70	1.205	0.233	/
	State1		Back Side	15	141500	707.5	1	1	0.03	0.158	23.82	24.70	1.225	0.194	/
	State1		Back Side	15	141500	707.5	36	0	-0.19	0.146	23.89	24.70	1.205	0.176	/
Ant.1	State1	DFT-s-	Front Side	15	141500	707.5	1	1	-0.12	0.167	24.12	25.00	1.225	0.205	/

	State1	OFDM BPSK	Front Side	15	141500	707.5	36	0	0.18	0.159	24.15	25.00	1.216	0.193	/
	State1		Back Side	15	141500	707.5	1	1	-0.16	0.165	24.12	25.00	1.225	0.202	/
	State1		Back Side	15	141500	707.5	36	0	0.03	0.157	24.15	25.00	1.216	0.191	/
Body-worn Close)															
Ant.0	State1	DFT-s-OFDM BPSK	Front Side	15	141500	707.5	1	1	0.10	0.047	23.82	24.70	1.225	0.058	/
	State1		Front Side	15	141500	707.5	36	0	-0.03	0.050	23.89	24.70	1.205	0.060	/
	State1		Back Side	15	141500	707.5	1	1	0.07	0.026	23.82	24.70	1.225	0.032	/
	State1		Back Side	15	141500	707.5	36	0	0.02	0.023	23.89	24.70	1.205	0.028	/
Ant.1	State1	DFT-s-OFDM BPSK	Front Side	15	141500	707.5	1	1	0.02	0.027	24.12	25.00	1.225	0.033	/
	State1		Front Side	15	141500	707.5	36	0	0.02	0.025	24.15	25.00	1.216	0.030	/
	State1		Back Side	15	141500	707.5	1	1	0.15	0.017	24.12	25.00	1.225	0.021	/
	State1		Back Side	15	141500	707.5	36	0	0.10	0.015	24.15	25.00	1.216	0.018	/
Hotspot (Open)															
Ant.0	State4	DFT-s-OFDM BPSK	Front Side	10	141500	707.5	1	1	0.06	0.212	21.42	21.70	1.067	0.226	/
	State4		Front Side	10	141500	707.5	36	0	-0.10	0.229	21.60	21.70	1.023	0.234	/
	State4		Back Side	10	141500	707.5	1	1	-0.18	0.151	21.42	21.70	1.067	0.161	/
	State4		Back Side	10	141500	707.5	36	0	-0.18	0.162	21.60	21.70	1.023	0.166	/
	State4		Right Edge	10	141500	707.5	1	1	-0.01	0.285	21.42	21.70	1.067	0.304	64#
	State4		Right Edge	10	141500	707.5	36	0	-0.04	0.294	21.60	21.70	1.023	0.301	/
	State4		Top Edge	10	141500	707.5	1	1	-0.17	0.012	21.42	21.70	1.067	0.013	/
	State4		Top Edge	10	141500	707.5	36	0	0.16	0.014	21.60	21.70	1.023	0.014	/
Ant.1	State4	DFT-s-OFDM BPSK	Front Side	10	141500	707.5	1	1	0.03	0.153	21.36	22.00	1.159	0.177	/
	State4		Front Side	10	141500	707.5	36	0	0.09	0.175	21.42	22.00	1.143	0.200	/
	State4		Back Side	10	141500	707.5	1	1	0.02	0.141	21.36	22.00	1.159	0.163	/
	State4		Back Side	10	141500	707.5	36	0	0.15	0.159	21.42	22.00	1.143	0.182	/
	State4		Left Edge	10	141500	707.5	1	1	-0.08	0.089	21.36	22.00	1.159	0.103	/
	State4		Left Edge	10	141500	707.5	36	0	-0.15	0.102	21.42	22.00	1.143	0.117	/
	State4		Bottom Edge	10	141500	707.5	1	1	-0.06	0.117	21.36	22.00	1.159	0.136	/
	State4		Bottom Edge	10	141500	707.5	36	0	-0.02	0.121	21.42	22.00	1.143	0.138	/
Hotspot (Close)															
Ant.0	State4	DFT-s-OFDM BPSK	Front Side	10	141500	707.5	1	1	0.12	0.066	21.42	21.70	1.067	0.070	/
	State4		Front Side	10	141500	707.5	36	0	0.12	0.078	21.60	21.70	1.023	0.080	/
	State4		Back Side	10	141500	707.5	1	1	0.05	0.032	21.42	21.70	1.067	0.034	/
	State4		Back Side	10	141500	707.5	36	0	0.07	0.026	21.60	21.70	1.023	0.027	/
	State4		Right Edge	10	141500	707.5	1	1	0.16	0.042	21.42	21.70	1.067	0.045	/
	State4		Right Edge	10	141500	707.5	36	0	0.10	0.049	21.60	21.70	1.023	0.050	/
	State4		Top Edge	10	141500	707.5	1	1	-0.07	0.015	21.42	21.70	1.067	0.016	/
	State4		Top Edge	10	141500	707.5	36	0	-0.03	0.016	21.60	21.70	1.023	0.016	/
Ant.1	State4	DFT-s-OFDM BPSK	Front Side	10	141500	707.5	1	1	-0.18	0.014	21.36	22.00	1.159	0.016	/
	State4		Front Side	10	141500	707.5	36	0	0.14	0.019	21.42	22.00	1.143	0.022	/
	State4		Back Side	10	141500	707.5	1	1	-0.09	0.095	21.36	22.00	1.159	0.110	/
	State4		Back Side	10	141500	707.5	36	0	0.04	0.097	21.42	22.00	1.143	0.111	/
	State4		Left Edge	10	141500	707.5	1	1	0.15	0.081	21.36	22.00	1.159	0.094	/

	State4		Left Edge	10	141500	707.5	36	0	0.12	0.093	21.42	22.00	1.143	0.106	/
	State4		Bottom Edge	10	141500	707.5	1	1	0.17	0.101	21.36	22.00	1.159	0.117	/
	State4		Bottom Edge	10	141500	707.5	36	0	0.02	0.105	21.42	22.00	1.143	0.120	/

11.20 n38 (40MHz 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.4	State3	DFT-s-OFDM BPSK	Left Cheek	0	519000	2595	1	1	-0.13	0.308	15.19	15.60	1.099	0.338	/
	State3		Left Cheek	0	519000	2595	50	0	0.08	0.313	15.30	15.60	1.072	0.336	/
	State3		Left Tilt	0	519000	2595	1	1	-0.19	0.426	15.19	15.60	1.099	0.468	/
	State3		Left Tilt	0	519000	2595	50	0	0.11	0.430	15.30	15.60	1.072	0.461	/
	State3		Right Cheek	0	519000	2595	1	1	-0.08	0.691	15.19	15.60	1.099	0.759	/
	State3		Right Cheek	0	519000	2595	50	0	-0.03	0.712	15.30	15.60	1.072	0.763	
	State3		Right Tilt	0	519000	2595	1	1	-0.12	0.489	15.19	15.60	1.099	0.537	/
	State3		Right Tilt	0	519000	2595	50	0	0.06	0.497	15.30	15.60	1.072	0.533	/
Ant.4	State6	DFT-s-OFDM BPSK	Left Cheek	0	519000	2595	1	1	0.01	0.215	14.02	14.10	1.019	0.219	/
	State6		Left Cheek	0	519000	2595	50	0	0.00	0.223	14.03	14.10	1.016	0.227	/
	State6		Left Tilt	0	519000	2595	1	1	-0.08	0.298	14.02	14.10	1.019	0.304	/
	State6		Left Tilt	0	519000	2595	50	0	0.16	0.302	14.03	14.10	1.016	0.307	/
	State6		Right Cheek	0	519000	2595	1	1	-0.19	0.485	14.02	14.10	1.019	0.494	/
	State6		Right Cheek	0	519000	2595	50	0	-0.07	0.501	14.03	14.10	1.016	0.509	/
	State6		Right Tilt	0	519000	2595	1	1	0.07	0.345	14.02	14.10	1.019	0.352	/
	State6		Right Tilt	0	519000	2595	50	0	-0.06	0.347	14.03	14.10	1.016	0.353	/
Ant.5	State3	DFT-s-OFDM BPSK	Left Cheek	0	519000	2595	1	1	-0.13	0.692	18.81	19.10	1.069	0.740	/
	State3		Left Cheek	0	519000	2595	50	0	0.08	0.668	18.89	19.10	1.050	0.701	/
	State3		Left Tilt	0	519000	2595	1	1	0.00	0.167	18.81	19.10	1.069	0.179	/
	State3		Left Tilt	0	519000	2595	50	0	0.18	0.172	18.89	19.10	1.050	0.181	/
	State3		Right Cheek	0	519000	2595	1	1	0.00	0.964	18.81	19.10	1.069	1.031	65#
	State3		Right Cheek	0	519000	2595	50	0	0.08	0.909	18.89	19.10	1.050	0.954	/
	State3		Right Tilt	0	519000	2595	1	1	0.09	0.126	18.81	19.10	1.069	0.135	/
	State3		Right Tilt	0	519000	2595	50	0	-0.19	0.130	18.89	19.10	1.050	0.137	/
	State3		Right Cheek	0	518000	2590	1	53	-0.03	0.952	18.77	19.10	1.079	1.027	/
	State3		Right Cheek	0	520000	2600	1	53	-0.14	0.918	18.67	19.10	1.104	1.013	/
	State3		Right Cheek	0	518000	2590	50	28	0.05	0.918	18.80	19.10	1.072	0.984	/
	State3		Right Cheek	0	520000	2600	50	28	-0.13	0.892	18.87	19.10	1.054	0.940	/
	State3		Right Cheek	0	519000	2595	100	0	0.04	0.884	18.82	19.10	1.067	0.943	/
Ant.5	State6	DFT-s-OFDM BPSK	Left Cheek	0	519000	2595	1	1	-0.03	0.421	17.06	17.10	1.009	0.425	/
	State6		Left Cheek	0	519000	2595	50	0	-0.04	0.416	17.01	17.10	1.021	0.425	/
	State6		Left Tilt	0	519000	2595	1	1	0.08	0.103	17.06	17.10	1.009	0.104	/
	State6		Left Tilt	0	519000	2595	50	0	-0.13	0.101	17.01	17.10	1.021	0.103	/
	State6		Right Cheek	0	519000	2595	1	1	-0.10	0.604	17.06	17.10	1.009	0.609	/
	State6		Right Cheek	0	519000	2595	50	0	-0.15	0.594	17.01	17.10	1.021	0.606	/

	State6		Right Tilt	0	519000	2595	1	1	-0.03	0.075	17.06	17.10	1.009	0.076	/
	State6		Right Tilt	0	519000	2595	50	0	-0.05	0.081	17.01	17.10	1.021	0.083	/
Ant.0	State3	DFT-s-OFDM BPSK (NSA)	Left Cheek	0	519000	2595	1	1	0.10	0.466	15.11	15.30	1.045	0.487	/
	State3		Left Cheek	0	519000	2595	50	0	-0.11	0.463	15.16	15.30	1.033	0.478	/
	State3		Left Tilt	0	519000	2595	1	1	0.11	0.068	15.11	15.30	1.045	0.071	/
	State3		Left Tilt	0	519000	2595	50	0	-0.08	0.065	15.16	15.30	1.033	0.067	/
	State3		Right Cheek	0	519000	2595	1	1	-0.04	0.624	15.11	15.30	1.045	0.652	/
	State3		Right Cheek	0	519000	2595	50	0	-0.01	0.603	15.16	15.30	1.033	0.623	/
	State3		Right Tilt	0	519000	2595	1	1	0.08	0.098	14.67	15.30	1.156	0.113	/
	State3		Right Tilt	0	519000	2595	50	0	-0.16	0.095	14.59	15.30	1.178	0.112	/
Ant.6	State3	DFT-s-OFDM BPSK (NSA)	Left Cheek	0	519000	2595	1	1	-0.09	0.109	22.18	22.80	1.153	0.126	/
	State3		Left Cheek	0	519000	2595	50	0	-0.01	0.118	22.34	22.80	1.112	0.131	/
	State3		Left Tilt	0	519000	2595	1	1	-0.15	0.053	22.18	22.80	1.153	0.061	/
	State3		Left Tilt	0	519000	2595	50	0	-0.19	0.046	22.34	22.80	1.112	0.051	/
	State3		Right Cheek	0	519000	2595	1	1	0.07	0.051	22.18	22.80	1.153	0.059	/
	State3		Right Cheek	0	519000	2595	50	0	0.14	0.052	22.34	22.80	1.112	0.058	/
	State3		Right Tilt	0	519000	2595	1	1	-0.01	0.022	22.18	22.80	1.153	0.025	/
	State3		Right Tilt	0	519000	2595	50	0	0.10	0.018	22.34	22.80	1.112	0.020	/
Head CA															
Ant.4	State3	QPSK	Right Cheek	0	38099+37901	2604.9+2585.1	1+1	Low + High	0.02	0.775	17.68	18.80	1.294	1.003	/
Body-worn (Open)															
Ant.4	State1	DFT-s-OFDM BPSK	Front Side	15	519000	2595	1	1	-0.16	0.182	18.99	19.10	1.026	0.187	/
	State1		Front Side	15	519000	2595	50	0	0.14	0.186	18.95	19.10	1.035	0.193	/
	State1		Back Side	15	519000	2595	1	1	-0.14	0.190	18.99	19.10	1.026	0.195	/
	State1		Back Side	15	519000	2595	50	0	0.02	0.200	18.95	19.10	1.035	0.207	/
Ant.5	State1	DFT-s-OFDM BPSK	Front Side	15	519000	2595	1	1	-0.19	0.244	20.68	21.60	1.236	0.302	/
	State1		Front Side	15	519000	2595	50	0	0.03	0.232	20.89	21.60	1.178	0.273	/
	State1		Back Side	15	519000	2595	1	1	0.05	0.282	20.68	21.60	1.236	0.349	66#
	State1		Back Side	15	519000	2595	50	0	0.01	0.262	20.89	21.60	1.178	0.309	/
Ant.0	State1	DFT-s-OFDM BPSK (NSA)	Front Side	15	519000	2595	1	1	0.01	0.107	18.57	19.30	1.183	0.127	/
	State1		Front Side	15	519000	2595	50	0	0.07	0.106	18.49	19.30	1.205	0.128	/
	State1		Back Side	15	519000	2595	1	1	-0.18	0.078	18.57	19.30	1.183	0.092	/
	State1		Back Side	15	519000	2595	50	0	0.14	0.076	18.49	19.30	1.205	0.092	/
Ant.6	State1		Front Side	15	519000	2595	1	1	0.14	0.081	21.30	21.80	1.122	0.091	/
	State1		Front Side	15	519000	2595	50	0	0.05	0.075	21.26	21.80	1.132	0.085	/
	State1		Back Side	15	519000	2595	1	1	-0.03	0.119	21.30	21.80	1.122	0.134	/
	State1		Back Side	15	519000	2595	50	0	0.02	0.108	21.26	21.80	1.132	0.122	/
Body-worn CA (Open)															
Ant.5	State1	QPSK	Back Side	15	38099+37901	2604.9+	1+1	Low +	0.02	0.149	21.39	22.30	1.233	0.184	/

						2585.1		High							
Body-worn (Close)															
Ant.4	State1	DFT-s-OFDM BPSK	Front Side	15	519000	2595	1	1	0.18	0.147	18.99	19.10	1.026	0.151	/
	State1		Front Side	15	519000	2595	50	0	-0.04	0.141	18.95	19.10	1.035	0.146	/
	State1		Back Side	15	519000	2595	1	1	0.18	0.049	18.99	19.10	1.026	0.050	/
	State1		Back Side	15	519000	2595	50	0	-0.02	0.042	18.95	19.10	1.035	0.043	/
Ant.5	State1	DFT-s-OFDM BPSK	Front Side	15	519000	2595	1	1	-0.04	0.237	20.68	21.60	1.236	0.293	/
	State1		Front Side	15	519000	2595	50	0	-0.13	0.231	20.89	21.60	1.178	0.272	/
	State1		Back Side	15	519000	2595	1	1	-0.10	0.050	20.68	21.60	1.236	0.062	/
	State1		Back Side	15	519000	2595	50	0	-0.19	0.047	20.89	21.60	1.178	0.055	/
Ant.0	State1	DFT-s-OFDM BPSK (NSA)	Front Side	15	519000	2595	1	1	0.00	0.092	18.57	19.30	1.183	0.109	/
	State1		Front Side	15	519000	2595	50	0	0.07	0.090	18.49	19.30	1.205	0.108	/
	State1		Back Side	15	519000	2595	1	1	0.00	0.049	18.57	19.30	1.183	0.058	/
	State1		Back Side	15	519000	2595	50	0	-0.13	0.045	18.49	19.30	1.205	0.054	/
Ant.6	State1		Front Side	15	519000	2595	1	1	0.00	0.033	21.30	21.80	1.122	0.037	/
	State1		Front Side	15	519000	2595	50	0	-0.07	0.028	21.26	21.80	1.132	0.032	/
	State1		Back Side	15	519000	2595	1	1	0.02	0.102	21.30	21.80	1.122	0.114	/
	State1		Back Side	15	519000	2595	50	0	-0.16	0.097	21.26	21.80	1.132	0.110	/
Body-worn CA (Close)															
Ant.5	State1	QPSK	Back Side	15	38099+37901	2604.9+2585.1	1+1	Low + High	-0.03	0.073	21.39	22.30	1.233	0.090	/
Hotspot (Open)															
Ant.4	State4	DFT-s-OFDM BPSK	Front Side	10	519000	2595	1	1	0.05	0.159	16.02	16.10	1.019	0.162	/
	State4		Front Side	10	519000	2595	50	0	-0.06	0.159	15.92	16.10	1.042	0.166	/
	State4		Back Side	10	519000	2595	1	1	0.18	0.155	16.02	16.10	1.019	0.158	/
	State4		Back Side	10	519000	2595	50	0	-0.15	0.159	15.92	16.10	1.042	0.166	/
	State4		Right Edge	10	519000	2595	1	1	0.01	0.138	16.02	16.10	1.019	0.141	/
	State4		Right Edge	10	519000	2595	50	0	-0.19	0.136	15.92	16.10	1.042	0.142	/
	State4		Top Edge	10	519000	2595	1	1	0.06	0.428	16.02	16.10	1.019	0.436	/
	State4		Top Edge	10	519000	2595	50	0	0.02	0.448	15.92	16.10	1.042	0.467	/
Ant.5	State4	DFT-s-OFDM BPSK	Front Side	10	519000	2595	1	1	-0.04	0.237	18.19	18.60	1.099	0.260	/
	State4		Front Side	10	519000	2595	50	0	0.19	0.228	18.11	18.60	1.119	0.255	/
	State4		Back Side	10	519000	2595	1	1	0.06	0.254	18.19	18.60	1.099	0.279	/
	State4		Back Side	10	519000	2595	50	0	0.08	0.243	18.11	18.60	1.119	0.272	/
	State4		Left Edge	10	519000	2595	1	1	0.02	0.469	18.19	18.60	1.099	0.515	67#
	State4		Left Edge	10	519000	2595	50	0	0.05	0.453	18.11	18.60	1.119	0.507	/
Ant.0	State4	DFT-s-OFDM BPSK (NSA)	Front Side	10	519000	2595	1	1	0.14	0.133	15.65	16.30	1.161	0.154	/
	State4		Front Side	10	519000	2595	50	0	-0.03	0.128	15.69	16.30	1.151	0.147	/
	State4		Back Side	10	519000	2595	1	1	0.11	0.089	15.69	16.30	1.151	0.102	/
	State4		Back Side	10	519000	2595	50	0	0.08	0.082	15.69	16.30	1.151	0.094	/

	State4		Right Edge	10	519000	2595	1	1	0.06	0.202	15.69	16.30	1.151	0.233	/
	State4		Right Edge	10	519000	2595	50	0	0.18	0.196	15.69	16.30	1.151	0.226	/
	State4		Top Edge	10	519000	2595	1	1	0.09	0.055	15.69	16.30	1.151	0.063	/
	State4		Top Edge	10	519000	2595	50	0	-0.07	0.046	15.69	16.30	1.151	0.053	/
Ant.6	State4	DFT-s-OFDM BPSK (NSA)	Front Side	10	519000	2595	1	1	0.15	0.074	18.35	18.80	1.109	0.082	/
	State4		Front Side	10	519000	2595	50	0	-0.17	0.071	18.32	18.80	1.117	0.079	/
	State4		Back Side	10	519000	2595	1	1	-0.10	0.108	18.35	18.80	1.109	0.120	/
	State4		Back Side	10	519000	2595	50	0	0.10	0.101	18.32	18.80	1.117	0.113	/
	State4		Right Edge	10	519000	2595	1	1	-0.15	0.037	18.35	18.80	1.109	0.041	/
	State4		Right Edge	10	519000	2595	50	0	-0.04	0.031	18.32	18.80	1.117	0.035	/
	State4		Bottom Edge	10	519000	2595	1	1	-0.17	0.145	18.35	18.80	1.109	0.161	/
	State4		Bottom Edge	10	519000	2595	50	0	-0.03	0.137	18.32	18.80	1.117	0.153	/
Hotspot CA(Open)															
Ant.4	State4	QPSK	Top Edge	10	38099+37901	2604.9+2585.1	1+1	Low + High	0.01	0.239	16.03	17.30	1.340	0.320	/
Hotspot (Close)															
Ant.4	State4	DFT-s-OFDM BPSK	Front Side	10	519000	2595	1	1	0.05	0.128	16.02	16.10	1.019	0.130	/
	State4		Front Side	10	519000	2595	50	0	0.01	0.131	15.92	16.10	1.042	0.137	/
	State4		Back Side	10	519000	2595	1	1	0.13	0.042	16.02	16.10	1.019	0.043	/
	State4		Back Side	10	519000	2595	50	0	-0.18	0.045	15.92	16.10	1.042	0.047	/
	State4		Right Edge	10	519000	2595	1	1	-0.02	0.108	16.02	16.10	1.019	0.110	/
	State4		Right Edge	10	519000	2595	50	0	-0.16	0.110	15.92	16.10	1.042	0.115	/
	State4		Bottom Edge	10	519000	2595	1	1	0.05	0.195	16.02	16.10	1.019	0.199	/
	State4		Bottom Edge	10	519000	2595	50	0	0.08	0.201	15.92	16.10	1.042	0.209	/
Ant.5	State4	DFT-s-OFDM BPSK	Front Side	10	519000	2595	1	1	0.13	0.185	18.19	18.60	1.099	0.203	/
	State4		Front Side	10	519000	2595	50	0	0.16	0.177	18.11	18.60	1.119	0.198	/
	State4		Back Side	10	519000	2595	1	1	0.12	0.046	18.19	18.60	1.099	0.051	/
	State4		Back Side	10	519000	2595	50	0	0.18	0.043	18.11	18.60	1.119	0.048	/
	State4		Left Edge	10	519000	2595	1	1	0.12	0.183	18.19	18.60	1.099	0.201	/
	State4		Left Edge	10	519000	2595	50	0	0.02	0.174	18.11	18.60	1.119	0.195	/
	State4		Top Edge	10	519000	2595	1	1	-0.02	0.032	18.19	18.60	1.099	0.035	/
	State4		Top Edge	10	519000	2595	50	0	0.13	0.028	18.11	18.60	1.119	0.031	/
Ant.0	State4	DFT-s-OFDM BPSK (NSA)	Front Side	10	519000	2595	1	1	0.16	0.090	15.65	16.30	1.161	0.104	/
	State4		Front Side	10	519000	2595	50	0	0.09	0.085	15.69	16.30	1.151	0.098	/
	State4		Back Side	10	519000	2595	1	1	-0.05	0.044	15.69	16.30	1.151	0.051	/
	State4		Back Side	10	519000	2595	50	0	-0.05	0.040	15.69	16.30	1.151	0.046	/
	State4		Right Edge	10	519000	2595	1	1	0.15	0.198	15.69	16.30	1.151	0.228	/
	State4		Right Edge	10	519000	2595	50	0	-0.16	0.191	15.69	16.30	1.151	0.220	/
	State4		Bottom Edge	10	519000	2595	1	1	0.03	0.055	15.69	16.30	1.151	0.063	/
	State4		Bottom Edge	10	519000	2595	50	0	-0.09	0.048	15.69	16.30	1.151	0.055	/
Ant.6	State4		Front Side	10	519000	2595	1	1	-0.17	0.051	18.35	18.80	1.109	0.057	/

	State4	DFT-s-OFDM BPSK (NSA)	Front Side	10	519000	2595	50	0	-0.12	0.046	18.32	18.80	1.117	0.051	/
	State4		Back Side	10	519000	2595	1	1	-0.09	0.090	18.35	18.80	1.109	0.100	/
	State4		Back Side	10	519000	2595	50	0	-0.12	0.084	18.32	18.80	1.117	0.094	/
	State4		Right Edge	10	519000	2595	1	1	-0.06	0.033	18.35	18.80	1.109	0.037	/
	State4		Right Edge	10	519000	2595	50	0	0.15	0.025	18.32	18.80	1.117	0.028	/
	State4		Bottom Edge	10	519000	2595	1	1	-0.07	0.114	18.35	18.80	1.109	0.126	/
	State4		Bottom Edge	10	519000	2595	50	0	-0.03	0.107	18.32	18.80	1.117	0.120	/
Hotspot CA(Close)															
Ant.4	State4	QPSK	Bottom Edge	10	38099+37901	2604.9+2585.1	1+1	Low + High	0.05	0.118	16.03	17.30	1.340	0.158	/
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific（Open）															
Ant.4	state1	DFT-s-OFDM BPSK	Top Edge	0	519000	2595	1	1	-0.16	0.812	18.99	19.10	1.026	0.833	/
	state1		Top Edge	0	519000	2595	50	0	-0.01	0.827	18.95	19.10	1.035	0.856	/
	state4		Top Edge	0	519000	2595	1	1	0.04	0.401	16.02	16.10	1.019	0.409	/
	state4		Top Edge	0	519000	2595	50	0	0.16	0.409	15.92	16.10	1.042	0.426	/
Ant.5	state1	DFT-s-OFDM BPSK	Left Edge	0	519000	2595	1	1	0.02	1.920	20.55	21.60	1.274	2.446	/
	state1		Left Edge	0	519000	2595	50	0	-0.01	2.110	20.55	21.60	1.274	2.688	68#
	state1		Left Edge	0	518000	2590	1	104	-0.12	1.980	18.87	19.10	1.054	2.087	/
	state1		Left Edge	0	520000	2600	1	53	-0.05	1.850	18.93	19.10	1.040	1.924	/
	state1		Left Edge	0	518000	2590	50	0	0.07	2.060	18.94	19.10	1.038	2.138	/
	state1		Left Edge	0	520000	2600	50	0	0.19	1.970	18.94	19.10	1.038	2.045	/
	state1		Left Edge	0	519000	2595	100	0	0.03	1.890	18.82	19.10	1.067	2.017	/
	state4		Left Edge	0	519000	2595	1	1	0.01	1.330	18.19	18.60	1.099	1.462	/
	state4		Left Edge	0	519000	2595	50	0	0.13	1.250	18.11	18.60	1.119	1.399	/
Specific（Close）															
Ant.4	state1	DFT-s-OFDM	Bottom Edge	0	519000	2595	1	1	0.12	0.912	18.99	19.10	1.026	0.936	/
	state1		Bottom Edge	0	519000	2595	50	0	0.00	0.928	18.95	19.10	1.035	0.960	/
	state4		Bottom Edge	0	519000	2595	1	1	0.05	0.451	16.02	16.10	1.019	0.460	/
	state4		Bottom Edge	0	519000	2595	50	0	-0.12	0.461	15.92	16.10	1.042	0.480	/
Sensor n-1（Open）															
Ant.4	Full Power	DFT-s-OFDM	Front Side	9	520000	2600	1	53	-0.17	0.543	23.18	24.60	1.387	1.470	/
	Full Power		Front Side	9	520000	2600	50	28	-0.16	0.475	23.17	24.60	1.390	1.294	/

	Full Power	BPSK	Back Side	10	520000	2600	1	53	-0.06	0.438	23.18	24.60	1.387	1.172	/
	Full Power		Back Side	10	520000	2600	50	28	-0.14	0.394	23.17	24.60	1.390	1.069	/
	Full Power		Right Edge	10	520000	2600	1	53	0.17	0.407	23.18	24.60	1.387	1.164	/
	Full Power		Right Edge	10	520000	2600	50	28	-0.12	0.351	23.17	24.60	1.390	1.004	/
	Full Power		Top Edge	11	520000	2600	1	53	-0.19	1.010	23.18	24.60	1.387	2.940	/
	Full Power		Top Edge	11	520000	2600	50	28	0.16	0.928	23.17	24.60	1.390	2.724	/
Sensor n-1（Close）															
Ant.4	Full Power	DFT-s-OFDM BPSK	Front Side	9	520000	2600	1	53	0.09	0.345	23.18	24.60	1.387	0.867	/
	Full Power		Front Side	9	520000	2600	50	28	0.15	0.288	23.17	24.60	1.390	0.755	/
	Full Power		Back Side	10	520000	2600	1	53	-0.11	0.059	23.18	24.60	1.387	0.153	/
	Full Power		Back Side	10	520000	2600	50	28	-0.10	0.049	23.17	24.60	1.390	0.126	/
	Full Power		Right Edge	10	520000	2600	1	53	0.14	0.240	23.18	24.60	1.387	0.682	/
	Full Power		Right Edge	10	520000	2600	50	28	-0.10	0.205	23.17	24.60	1.390	0.585	/
	Full Power		Top Edge	11	520000	2600	1	53	-0.15	0.457	23.18	24.60	1.387	1.270	/
	Full Power		Top Edge	11	520000	2600	50	28	-0.14	0.395	23.17	24.60	1.390	1.102	/

11.21 n41 (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dis. (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.4	State3	DFT-s-OFDM BPSK	Left Cheek	0	518598	2592.99	1	1	-0.19	0.353	15.95	16.10	1.035	0.365	/
	State3		Left Cheek	0	518598	2592.99	135	0	-0.08	0.370	15.88	16.10	1.052	0.389	/
	State3		Left Tilt	0	518598	2592.99	1	1	-0.12	0.502	15.95	16.10	1.035	0.520	/
	State3		Left Tilt	0	518598	2592.99	135	0	0.18	0.513	15.88	16.10	1.052	0.540	/
	State3		Right Cheek	0	518598	2592.99	1	1	-0.14	0.833	15.95	16.10	1.035	0.862	/
	State3		Right Cheek	0	518598	2592.99	135	0	-0.15	0.840	15.88	16.10	1.052	0.884	/
	State3		Right Tilt	0	518598	2592.99	1	1	0.19	0.587	15.95	16.10	1.035	0.608	/
	State3		Right Tilt	0	518598	2592.99	135	0	0.18	0.621	15.88	16.10	1.052	0.653	/
	State3		Right Cheek	0	509202	2546.01	1	137	0.04	0.834	16.01	16.10	1.021	0.852	/
	State3		Right Cheek	0	513900	2569.5	1	137	0.13	0.833	16.03	16.10	1.016	0.846	/
	State3		Right Cheek	0	523302	2616.51	1	137	0.14	0.846	16.01	16.10	1.021	0.864	/
	State3		Right Cheek	0	528000	2640	1	137	0.15	0.859	15.97	16.10	1.030	0.885	/
	State3		Right Cheek	0	509202	2546.01	135	138	0.04	0.834	15.92	16.10	1.042	0.869	/
	State3		Right Cheek	0	513900	2569.5	135	138	0.02	0.866	15.76	16.10	1.081	0.936	/
	State3		Right Cheek	0	523302	2616.51	135	69	0.14	0.846	15.83	16.10	1.064	0.900	/
	State3		Right Cheek	0	528000	2640	135	69	0.15	0.859	15.85	16.10	1.059	0.910	/
	State3		Right Cheek	0	518598	2592.99	270	0	0.07	0.846	15.95	16.10	1.035	0.876	/
Ant.4	State6	DFT-s-OFDM BPSK	Left Cheek	0	518598	2592.99	1	1	0.07	0.219	14.08	14.10	1.005	0.220	/
	State6		Left Cheek	0	518598	2592.99	135	0	-0.13	0.225	14.05	14.10	1.012	0.228	/
	State6		Left Tilt	0	518598	2592.99	1	1	0.12	0.308	14.08	14.10	1.005	0.310	/
	State6		Left Tilt	0	518598	2592.99	135	0	0.13	0.315	14.05	14.10	1.012	0.319	/
	State6		Right Cheek	0	518598	2592.99	1	1	-0.13	0.505	14.08	14.10	1.005	0.508	/
	State6		Right Cheek	0	518598	2592.99	135	0	-0.18	0.517	14.05	14.10	1.012	0.523	/
	State6		Right Tilt	0	518598	2592.99	1	1	-0.19	0.364	14.08	14.10	1.005	0.366	/
	State6		Right Tilt	0	518598	2592.99	135	0	0.09	0.375	14.05	14.10	1.012	0.380	/
Ant.5	State3	DFT-s-OFDM BPSK	Left Cheek	0	518598	2592.99	1	1	-0.09	0.599	18.35	18.90	1.135	0.680	/
	State3		Left Cheek	0	518598	2592.99	135	0	0.13	0.508	18.26	18.90	1.159	0.589	/
	State3		Left Tilt	0	518598	2592.99	1	1	0.08	0.118	18.35	18.90	1.135	0.134	/
	State3		Left Tilt	0	518598	2592.99	135	0	0.10	0.115	18.26	18.90	1.159	0.133	/
	State3		Right Cheek	0	518598	2592.99	1	1	-0.03	0.977	18.35	18.90	1.135	1.109	69#
	State3		Right Cheek	0	518598	2592.99	135	0	0.17	0.952	18.26	18.90	1.159	1.103	/
	State3		Right Tilt	0	518598	2592.99	1	1	0.18	0.099	18.35	18.90	1.135	0.112	/
	State3		Right Tilt	0	518598	2592.99	135	0	0.12	0.082	18.26	18.90	1.159	0.095	/
	State3		Right Cheek	0	509202	2546.01	1	137	0.10	0.719	18.16	18.90	1.186	0.853	/
	State3		Right Cheek	0	513900	2569.5	1	137	0.17	0.693	18.01	18.90	1.227	0.850	/

	State3		Right Cheek	0	523302	2616.51	1	137	0.10	0.719	18.16	18.90	1.186	0.853	/
	State3		Right Cheek	0	528000	2640	1	137	0.17	0.693	18.01	18.90	1.227	0.850	/
	State3		Right Cheek	0	509202	2546.01	135	138	-0.18	0.705	17.92	18.90	1.253	0.883	/
	State3		Right Cheek	0	513900	2569.5	135	0	0.15	0.562	17.95	18.90	1.245	0.700	/
	State3		Right Cheek	0	523302	2616.51	135	0	-0.18	0.705	17.94	18.90	1.247	0.879	/
	State3		Right Cheek	0	528000	2640	135	0	0.15	0.562	17.98	18.90	1.236	0.695	/
	State3		Right Cheek	0	518598	2592.99	270	0	0.03	0.570	18.12	18.90	1.197	0.682	/
Ant.5	State6	DFT-s-OFDM BPSK	Left Cheek	0	518598	2592.99	1	1	0.02	0.415	16.98	17.40	1.102	0.457	/
	State6		Left Cheek	0	518598	2592.99	135	0	-0.19	0.346	16.95	17.40	1.109	0.384	/
	State6		Left Tilt	0	518598	2592.99	1	1	0.08	0.081	16.98	17.40	1.102	0.089	/
	State6		Left Tilt	0	518598	2592.99	135	0	0.01	0.078	16.95	17.40	1.109	0.087	/
	State6		Right Cheek	0	518598	2592.99	1	1	0.04	0.685	16.98	17.40	1.102	0.755	/
	State6		Right Cheek	0	518598	2592.99	135	0	0.03	0.671	16.95	17.40	1.109	0.744	/
	State6		Right Tilt	0	518598	2592.99	1	1	0.02	0.075	16.98	17.40	1.102	0.083	/
	State6		Right Tilt	0	518598	2592.99	135	0	0.04	0.062	16.95	17.40	1.109	0.069	/
Ant.0	State3	DFT-s-OFDM BPSK (NSA)	Left Cheek	0	518598	2592.99	1	1	-0.08	0.547	14.87	15.20	1.079	0.590	/
	State3		Left Cheek	0	518598	2592.99	135	0	0.07	0.541	14.97	15.20	1.054	0.570	/
	State3		Left Tilt	0	518598	2592.99	1	1	-0.18	0.059	14.87	15.20	1.079	0.064	/
	State3		Left Tilt	0	518598	2592.99	135	0	-0.01	0.055	14.97	15.20	1.054	0.058	/
	State3		Right Cheek	0	518598	2592.99	1	1	-0.03	0.653	14.87	15.20	1.079	0.705	/
	State3		Right Cheek	0	518598	2592.99	135	0	0.13	0.655	14.97	15.20	1.054	0.690	/
	State3		Right Tilt	0	518598	2592.99	1	1	0.05	0.099	14.87	15.20	1.079	0.107	/
	State3		Right Tilt	0	518598	2592.99	135	0	0.16	0.096	14.97	15.20	1.054	0.101	/
Ant.6	State3	DFT-s-OFDM BPSK (NSA)	Left Cheek	0	518598	2592.99	1	1	-0.03	0.096	19.64	19.70	1.014	0.097	/
	State3		Left Cheek	0	518598	2592.99	135	0	-0.10	0.093	19.56	19.70	1.033	0.096	/
	State3		Left Tilt	0	518598	2592.99	1	1	-0.19	0.033	19.64	19.70	1.014	0.033	/
	State3		Left Tilt	0	518598	2592.99	135	0	0.19	0.026	19.56	19.70	1.033	0.027	/
	State3		Right Cheek	0	518598	2592.99	1	1	0.03	0.049	19.64	19.70	1.014	0.050	/
	State3		Right Cheek	0	518598	2592.99	135	0	0.12	0.042	19.56	19.70	1.033	0.043	/
	State3		Right Tilt	0	518598	2592.99	1	1	0.17	0.024	19.64	19.70	1.014	0.024	/
	State3		Right Tilt	0	518598	2592.99	135	0	-0.05	0.018	19.56	19.70	1.033	0.019	/
Head CA															
Ant.4	State3	QPSK	Right Cheek	0	40620 +40818	2593 +2612.8	1+1	High + Low	0.03	0.570	16.53	17.50	1.250	0.713	/
Body-worn (Open)															
Ant.4	State1	DFT-s-OFDM BPSK	Front Side	15	518598	2592.99	1	137	-0.17	0.189	18.55	18.60	1.012	0.191	/
	State1		Front Side	15	518598	2592.99	135	0	-0.19	0.181	18.53	18.60	1.016	0.184	/
	State1		Back Side	15	518598	2592.99	1	1	0.05	0.156	18.55	18.60	1.012	0.158	/
	State1		Back Side	15	518598	2592.99	135	0	-0.09	0.170	18.53	18.60	1.016	0.173	/
Ant.5	State1	DFT-s-OFDM BPSK	Front Side	15	518598	2592.99	1	137	0.16	0.214	20.26	20.90	1.159	0.248	/
	State1		Front Side	15	518598	2592.99	135	0	0.19	0.169	20.32	20.90	1.143	0.193	/
	State1		Back Side	15	518598	2592.99	1	137	0.01	0.264	20.26	20.90	1.159	0.306	70#

	State1		Back Side	15	518598	2592.99	135	0	-0.08	0.198	20.32	20.90	1.143	0.226	/
Ant.0	State1	DFT-s-OFDM BPSK (NSA)	Front Side	15	518598	2592.99	1	137	-0.10	0.195	22.93	23.20	1.064	0.207	/
	State1		Front Side	15	518598	2592.99	135	0	0.14	0.177	22.85	23.20	1.084	0.192	/
	State1		Back Side	15	518598	2592.99	1	1	-0.06	0.141	22.93	23.20	1.064	0.150	/
	State1		Back Side	15	518598	2592.99	135	0	0.17	0.127	22.85	23.20	1.084	0.138	/
Ant.6	State1	DFT-s-OFDM BPSK (NSA)	Front Side	15	518598	2592.99	1	137	0.16	0.071	22.93	23.20	1.064	0.076	/
	State1		Front Side	15	518598	2592.99	135	0	-0.17	0.065	22.85	23.20	1.084	0.070	/
	State1		Back Side	15	518598	2592.99	1	137	-0.08	0.094	22.93	23.20	1.064	0.100	/
	State1		Back Side	15	518598	2592.99	135	0	-0.08	0.086	22.85	23.20	1.084	0.093	/
Body-worn CA(Open)															
Ant.5	State1	QPSK	Back Side	15	40620 +40818	2593 +2612.8	1+1	High + Low	0.03	0.133	20.57	21.50	1.239	0.165	/
Body-worn (Close)															
Ant.4	State1	DFT-s-OFDM BPSK	Front Side	15	518598	2592.99	1	1	-0.02	0.138	18.55	18.60	1.012	0.140	/
	State1		Front Side	15	518598	2592.99	135	0	0.13	0.125	18.53	18.60	1.016	0.127	/
	State1		Back Side	15	518598	2592.99	1	1	0.10	0.023	18.55	18.60	1.012	0.023	/
	State1		Back Side	15	518598	2592.99	135	0	-0.08	0.015	18.53	18.60	1.016	0.015	/
Ant.5	State1	DFT-s-OFDM BPSK	Front Side	15	518598	2592.99	1	1	0.03	0.195	20.26	20.90	1.159	0.226	/
	State1		Front Side	15	518598	2592.99	135	0	-0.10	0.165	20.32	20.90	1.143	0.189	/
	State1		Back Side	15	518598	2592.99	1	1	0.12	0.058	20.26	20.90	1.159	0.067	/
	State1		Back Side	15	518598	2592.99	135	0	-0.11	0.041	20.32	20.90	1.143	0.047	/
Ant.0	State1	DFT-s-OFDM BPSK (NSA)	Front Side	15	518598	2592.99	1	137	-0.09	0.150	22.93	23.20	1.064	0.160	/
	State1		Front Side	15	518598	2592.99	135	0	-0.15	0.141	22.85	23.20	1.084	0.153	/
	State1		Back Side	15	518598	2592.99	1	1	0.03	0.082	22.93	23.20	1.064	0.087	/
	State1		Back Side	15	518598	2592.99	135	0	0.11	0.076	22.85	23.20	1.084	0.082	/
Ant.6	State1	DFT-s-OFDM BPSK (NSA)	Front Side	15	518598	2592.99	1	137	0.13	0.021	22.93	23.20	1.064	0.022	/
	State1		Front Side	15	518598	2592.99	135	0	0.15	0.019	22.85	23.20	1.084	0.021	/
	State1		Back Side	15	518598	2592.99	1	137	0.06	0.083	22.93	23.20	1.064	0.088	/
	State1		Back Side	15	518598	2592.99	135	0	0.08	0.074	22.85	23.20	1.084	0.080	/
Body-wprn CA(Close)															
Ant.5	State1	QPSK	Back Side	15	40620 +40818	2593 +2612.8	1+1	High + Low	0.02	0.063	20.57	21.50	1.239	0.078	/
Hotspot (Open)															
Ant.4	State4	DFT-s-OFDM BPSK	Front Side	10	518598	2592.99	1	1	-0.19	0.150	15.53	15.60	1.016	0.152	/
	State4		Front Side	10	518598	2592.99	135	0	0.09	0.147	15.49	15.60	1.026	0.151	/
	State4		Back Side	10	518598	2592.99	1	1	0.07	0.135	15.53	15.60	1.016	0.137	/
	State4		Back Side	10	518598	2592.99	135	0	0.14	0.124	15.49	15.60	1.026	0.127	/
	State4		Right Edge	10	518598	2592.99	1	1	0.16	0.174	15.53	15.60	1.016	0.177	/
	State4		Right Edge	10	518598	2592.99	135	0	-0.07	0.161	15.49	15.60	1.026	0.165	/
	State4		Top Edge	10	518598	2592.99	1	1	-0.06	0.425	15.53	15.60	1.016	0.432	71#
	State4		Top Edge	10	518598	2592.99	135	0	0.02	0.406	15.49	15.60	1.026	0.417	/

Ant.5	State4	DFT-s-OFDM BPSK	Front Side	10	518598	2592.99	1	1	0.13	0.225	17.63	17.90	1.064	0.239	/
	State4		Front Side	10	518598	2592.99	135	0	0.00	0.220	17.52	17.90	1.091	0.240	/
	State4		Back Side	10	518598	2592.99	1	1	-0.05	0.245	17.63	17.90	1.064	0.261	/
	State4		Back Side	10	518598	2592.99	135	0	-0.11	0.242	17.52	17.90	1.091	0.264	/
	State4		Left Edge	10	518598	2592.99	1	1	0.06	0.388	17.63	17.90	1.064	0.413	/
	State4		Left Edge	10	518598	2592.99	135	0	0.15	0.362	17.52	17.90	1.091	0.395	/
Ant.0	State4	DFT-s-OFDM BPSK (NSA)	Front Side	10	518598	2592.99	1	1	0.07	0.181	16.11	16.70	1.146	0.207	/
	State4		Front Side	10	518598	2592.99	135	0	0.05	0.160	16.19	16.70	1.125	0.180	/
	State4		Back Side	10	518598	2592.99	1	1	-0.15	0.119	16.11	16.70	1.146	0.136	/
	State4		Back Side	10	518598	2592.99	135	0	-0.08	0.101	16.19	16.70	1.125	0.114	/
	State4		Right Edge	10	518598	2592.99	1	1	-0.09	0.262	16.11	16.70	1.146	0.300	/
	State4		Right Edge	10	518598	2592.99	135	0	-0.18	0.243	16.19	16.70	1.125	0.273	/
	State4		Top Edge	10	518598	2592.99	1	1	0.16	0.057	16.11	16.70	1.146	0.065	/
	State4		Top Edge	10	518598	2592.99	135	0	0.08	0.047	16.19	16.70	1.125	0.053	/
Ant.6	State4	DFT-s-OFDM BPSK (NSA)	Front Side	10	518598	2592.99	1	1	0.05	0.089	18.95	19.20	1.059	0.094	/
	State4		Front Side	10	518598	2592.99	135	0	-0.10	0.082	18.80	19.20	1.096	0.090	/
	State4		Back Side	10	518598	2592.99	1	1	-0.17	0.118	18.95	19.20	1.059	0.125	/
	State4		Back Side	10	518598	2592.99	135	0	-0.10	0.107	18.80	19.20	1.096	0.117	/
	State4		Right Edge	10	518598	2592.99	1	1	0.04	0.018	18.95	19.20	1.059	0.019	/
	State4		Right Edge	10	518598	2592.99	135	0	-0.01	0.016	18.80	19.20	1.096	0.018	/
	State4		Bottom Edge	10	518598	2592.99	1	1	0.08	0.136	18.95	19.20	1.059	0.144	/
	State4		Bottom Edge	10	518598	2592.99	135	0	-0.15	0.127	18.80	19.20	1.096	0.139	/
Hotspot CA(Open)															
Ant.4	State4	QPSK	Top Edge	10	40620 +40818	2593 +2612.8	1+1	High + Low	0.00	0.257	16.53	17.50	1.250	0.321	/
Hotspot (Close)															
Ant.4	State4	DFT-s-OFDM BPSK	Front Side	10	518598	2592.99	1	1	-0.07	0.122	15.53	15.60	1.016	0.124	/
	State4		Front Side	10	518598	2592.99	135	0	-0.03	0.105	15.49	15.60	1.026	0.108	/
	State4		Back Side	10	518598	2592.99	1	1	0.16	0.041	15.53	15.60	1.016	0.042	/
	State4		Back Side	10	518598	2592.99	135	0	-0.14	0.032	15.49	15.60	1.026	0.033	/
	State4		Right Edge	10	518598	2592.99	1	1	-0.19	0.106	15.53	15.60	1.016	0.108	/
	State4		Right Edge	10	518598	2592.99	135	0	0.14	0.096	15.49	15.60	1.026	0.098	/
	State4		Bottom Edge	10	518598	2592.99	1	1	0.00	0.234	15.53	15.60	1.016	0.238	/
	State4		Bottom Edge	10	518598	2592.99	135	0	0.18	0.221	15.49	15.60	1.026	0.227	/
Ant.5	State4	DFT-s-OFDM BPSK	Front Side	10	518598	2592.99	1	1	-0.17	0.256	17.63	17.90	1.064	0.272	/
	State4		Front Side	10	518598	2592.99	135	0	-0.18	0.242	17.52	17.90	1.091	0.264	/
	State4		Back Side	10	518598	2592.99	1	1	0.09	0.056	17.63	17.90	1.064	0.060	/
	State4		Back Side	10	518598	2592.99	135	0	0.16	0.047	17.52	17.90	1.091	0.051	/
	State4		Left Edge	10	518598	2592.99	1	1	0.19	0.279	17.63	17.90	1.064	0.297	/
	State4		Left Edge	10	518598	2592.99	135	0	0.15	0.290	17.52	17.90	1.091	0.316	/
	State4		Top Edge	10	518598	2592.99	1	1	-0.04	0.031	17.63	17.90	1.064	0.033	/
	State4		Top Edge	10	518598	2592.99	135	0	-0.06	0.027	17.52	17.90	1.091	0.029	/

Ant.0	State4	DFT-s-OFDM BPSK (NSA)	Front Side	10	518598	2592.99	1	1	0.13	0.133	16.11	16.70	1.146	0.152	/
	State4		Front Side	10	518598	2592.99	135	0	-0.05	0.121	16.19	16.70	1.125	0.136	/
	State4		Back Side	10	518598	2592.99	1	1	-0.06	0.059	16.11	16.70	1.146	0.068	/
	State4		Back Side	10	518598	2592.99	135	0	0.11	0.051	16.19	16.70	1.125	0.057	/
	State4		Right Edge	10	518598	2592.99	1	1	-0.02	0.268	16.11	16.70	1.146	0.307	/
	State4		Right Edge	10	518598	2592.99	135	0	-0.19	0.241	16.19	16.70	1.125	0.271	/
	State4		Bottom Edge	10	518598	2592.99	1	1	-0.01	0.047	16.11	16.70	1.146	0.054	/
	State4		Bottom Edge	10	518598	2592.99	135	0	0.04	0.041	16.19	16.70	1.125	0.046	/
Ant.6	State4	DFT-s-OFDM BPSK (NSA)	Front Side	10	518598	2592.99	1	1	-0.12	0.032	18.95	19.20	1.059	0.034	/
	State4		Front Side	10	518598	2592.99	135	0	-0.03	0.027	18.80	19.20	1.096	0.030	/
	State4		Back Side	10	518598	2592.99	1	1	-0.07	0.121	18.95	19.20	1.059	0.128	/
	State4		Back Side	10	518598	2592.99	135	0	0.19	0.114	18.80	19.20	1.096	0.125	/
	State4		Right Edge	10	518598	2592.99	1	1	0.12	0.042	18.95	19.20	1.059	0.044	/
	State4		Right Edge	10	518598	2592.99	135	0	0.14	0.037	18.80	19.20	1.096	0.041	/
	State4		Bottom Edge	10	518598	2592.99	1	1	-0.09	0.154	18.95	19.20	1.059	0.163	/
	State4		Bottom Edge	10	518598	2592.99	135	0	0.18	0.147	18.80	19.20	1.096	0.161	/
Hotospot CA(Close)															
Ant.4	State4	QPSK	Bottom Edge	10	40620 +40818	2593 +2612.8	1+1	High + Low	0.04	0.119	16.53	17.50	1.250	0.149	/
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific（Open）															
Ant.4	State1	DFT-s-OFDM BPSK	Top Edge	0	518598	2592.99	1	1	0.01	0.909	18.55	18.60	1.012	0.920	/
	State1		Top Edge	0	518598	2592.99	135	0	0.05	0.882	18.53	18.60	1.016	0.896	/
	State4		Top Edge	0	518598	2592.99	1	1	0.05	0.426	15.53	15.60	1.016	0.433	/
	State4		Top Edge	0	518598	2592.99	135	0	0.09	0.411	15.49	15.60	1.026	0.422	/
Ant.5	State1	DFT-s-OFDM BPSK	Left Edge	0	518598	2592.99	1	137	0.05	1.330	20.26	20.90	1.159	1.541	/
	State1		Left Edge	0	518598	2592.99	135	0	0.00	1.520	20.32	20.90	1.143	1.737	72#
	State4		Left Edge	0	518598	2592.99	1	137	0.02	0.721	17.63	17.90	1.064	0.767	/
	State4		Left Edge	0	518598	2592.99	135	0	-0.03	0.683	17.52	17.90	1.091	0.745	/
Specific（Close）															
Ant.4	State1	DFT-s-OFDM BPSK	Bottom Edge	0	518598	2592.99	1	1	-0.01	0.623	18.11	18.60	1.119	0.658	/
	State1		Bottom Edge	0	518598	2592.99	135	0	0.05	0.608	18.53	18.60	1.016	0.588	/
	State4		Bottom Edge	0	518598	2592.99	1	1	-0.07	0.315	15.53	15.60	1.016	0.320	/
	State4		Bottom Edge	0	518598	2592.99	135	0	0.08	0.301	15.49	15.60	1.026	0.309	/
Sensor n-1（Open）															
Ant.4	Full Power	DFT-s-OFDM BPSK	Front Side	9	523302	2616.51	1	137	0.06	0.531	23.08	24.60	1.419	1.462	/
	Full Power		Front Side	9	518598	2592.99	135	69	-0.08	0.337	23.22	24.60	1.374	0.900	/
	Full Power		Back Side	10	523302	2616.51	1	13	0.04	0.416	23.08	24.60	1.419	1.064	/

								7							
	Full Power		Back Side	10	518598	2592.99	135	69	0.19	0.257	23.22	24.60	1.374	0.654	/
	Full Power		Right Edge	10	523302	2616.51	1	137	-0.03	0.424	23.08	24.60	1.419	1.203	/
	Full Power		Right Edge	10	518598	2592.99	135	69	-0.06	0.267	23.22	24.60	1.374	0.734	/
	Full Power		Top Edge	11	523302	2616.51	1	137	-0.17	0.874	23.08	24.60	1.419	2.583	/
	Full Power		Top Edge	11	518598	2592.99	135	69	0.18	0.591	23.22	24.60	1.374	1.690	/
Sensor n-1（Close）															
Ant.4	Full Power	DFT-s-OFDM BPSK	Front Side	9	523302	2616.51	1	137	-0.03	0.378	23.08	24.60	1.419	1.033	/
	Full Power		Front Side	9	518598	2592.99	135	69	0.00	0.228	23.22	24.60	1.374	0.598	/
	Full Power		Back Side	10	523302	2616.51	1	137	-0.08	0.076	23.08	24.60	1.419	0.201	/
	Full Power		Back Side	10	518598	2592.99	135	69	0.09	0.044	23.22	24.60	1.374	0.111	/
	Full Power		Right Edge	10	523302	2616.51	1	137	0.02	0.276	23.08	24.60	1.419	0.813	/
	Full Power		Right Edge	10	518598	2592.99	135	69	0.07	0.173	23.22	24.60	1.374	0.495	/
	Full Power		Top Edge	11	523302	2616.51	1	137	0.16	0.443	23.08	24.60	1.419	1.300	/
	Full Power		Top Edge	11	518598	2592.99	135	69	-0.15	0.254	23.22	24.60	1.374	0.702	/

11.22 n66 (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.4	State3&6	DFT-s-OFDM BPSK	Left Cheek	0	349000	1745	1	1	0.13	0.278	23.81	24.30	1.119	0.311	/
	State3&6		Left Cheek	0	349000	1745	50	0	0.03	0.238	23.80	24.30	1.122	0.267	/
	State3&6		Left Tilt	0	349000	1745	1	1	0.16	0.409	23.81	24.30	1.119	0.458	/
	State3&6		Left Tilt	0	349000	1745	50	0	0.15	0.352	23.80	24.30	1.122	0.395	/
	State3&6		Right Cheek	0	349000	1745	1	1	-0.02	0.698	23.81	24.30	1.119	0.781	73#
	State3&6		Right Cheek	0	349000	1745	50	0	0.18	0.566	23.80	24.30	1.122	0.635	/
	State3&6		Right Tilt	0	349000	1745	1	1	0.05	0.546	23.81	24.30	1.119	0.611	/
	State3&6		Right Tilt	0	349000	1745	50	0	0.02	0.459	23.80	24.30	1.122	0.515	/
Ant.5	State3&6	DFT-s-OFDM BPSK	Left Cheek	0	349000	1745	1	1	-0.11	0.178	22.54	22.80	1.062	0.189	/
	State3&6		Left Cheek	0	349000	1745	50	0	0.18	0.151	22.46	22.80	1.081	0.163	/
	State3&6		Left Tilt	0	349000	1745	1	1	-0.15	0.056	22.54	22.80	1.062	0.059	/
	State3&6		Left Tilt	0	349000	1745	50	0	0.15	0.043	22.46	22.80	1.081	0.046	/
	State3&6		Right Cheek	0	349000	1745	1	1	0.02	0.365	22.54	22.80	1.062	0.388	/
	State3&6		Right Cheek	0	349000	1745	50	0	0.10	0.311	22.46	22.80	1.081	0.336	/
	State3&6		Right Tilt	0	349000	1745	1	1	-0.16	0.063	22.54	22.80	1.062	0.067	/
	State3&6		Right Tilt	0	349000	1745	50	0	0.14	0.055	22.46	22.80	1.081	0.059	/
Body-worn (Open)															
Ant.4	State1	DFT-s-OFDM BPSK	Front Side	15	349000	1745	1	1	-0.02	0.062	23.81	24.30	1.119	0.069	74#
	State1		Front Side	15	349000	1745	50	0	-0.03	0.054	23.80	24.30	1.122	0.061	/
	State1		Back Side	15	349000	1745	1	1	0.05	0.053	23.81	24.30	1.119	0.059	/
	State1		Back Side	15	349000	1745	50	0	-0.07	0.046	23.80	24.30	1.122	0.052	/
Ant.5	State1	DFT-s-OFDM BPSK	Front Side	15	349000	1745	1	1	-0.11	0.032	22.54	22.80	1.062	0.034	/
	State1		Front Side	15	349000	1745	50	0	-0.10	0.026	22.46	22.80	1.081	0.028	/
	State1		Back Side	15	349000	1745	1	1	0.17	0.027	22.54	22.80	1.062	0.029	/
	State1		Back Side	15	349000	1745	50	0	-0.04	0.023	22.46	22.80	1.081	0.025	/
Body-worn Close)															
Ant.4	State1	DFT-s-OFDM BPSK	Front Side	15	349000	1745	1	1	-0.16	0.008	23.81	24.30	1.119	0.009	/
	State1		Front Side	15	349000	1745	50	0	-0.19	0.007	23.80	24.30	1.122	0.008	/
	State1		Back Side	15	349000	1745	1	1	0.04	0.011	23.81	24.30	1.119	0.012	/
	State1		Back Side	15	349000	1745	50	0	-0.01	0.009	23.80	24.30	1.122	0.010	/
Ant.5	State1	DFT-s-OFDM BPSK	Front Side	15	349000	1745	1	1	-0.07	0.011	22.54	22.80	1.062	0.012	/
	State1		Front Side	15	349000	1745	50	0	-0.11	0.009	22.46	22.80	1.081	0.010	/
	State1		Back Side	15	349000	1745	1	1	0.00	0.012	22.54	22.80	1.062	0.013	/
	State1		Back Side	15	349000	1745	50	0	0.05	0.010	22.46	22.80	1.081	0.011	/
Hotspot (Open)															

Ant.4	State4	DFT-s-OFDM BPSK	Front Side	10	349000	1745	1	1	0.13	0.078	20.95	21.30	1.084	0.085	/
	State4		Front Side	10	349000	1745	50	0	-0.04	0.085	20.89	21.30	1.099	0.093	/
	State4		Back Side	10	349000	1745	1	1	0.19	0.069	20.95	21.30	1.084	0.075	/
	State4		Back Side	10	349000	1745	50	0	0.15	0.076	20.89	21.30	1.099	0.084	/
	State4		Right Edge	10	349000	1745	1	1	-0.17	0.051	20.95	21.30	1.084	0.055	/
	State4		Right Edge	10	349000	1745	50	0	-0.02	0.054	20.89	21.30	1.099	0.059	/
	State4		Top Edge	10	349000	1745	1	1	-0.10	0.251	20.95	21.30	1.084	0.272	/
	State4		Top Edge	10	349000	1745	50	0	-0.02	0.263	20.89	21.30	1.099	0.289	75#
Ant.5	State4	DFT-s-OFDM BPSK	Front Side	10	349000	1745	1	1	-0.17	0.033	19.63	19.80	1.040	0.034	/
	State4		Front Side	10	349000	1745	50	0	0.09	0.035	19.55	19.80	1.059	0.037	/
	State4		Back Side	10	349000	1745	1	1	0.12	0.051	19.63	19.80	1.040	0.053	/
	State4		Back Side	10	349000	1745	50	0	0.15	0.055	19.55	19.80	1.059	0.058	/
	State4		Left Edge	10	349000	1745	1	1	0.14	0.086	19.63	19.80	1.040	0.089	/
	State4		Left Edge	10	349000	1745	50	0	0.04	0.089	19.55	19.80	1.059	0.094	/
Hotspot (Close)															
Ant.4	State4	DFT-s-OFDM BPSK	Front Side	10	349000	1745	1	1	-0.02	0.087	20.95	21.30	1.084	0.094	/
	State4		Front Side	10	349000	1745	50	0	-0.10	0.093	20.89	21.30	1.099	0.102	/
	State4		Back Side	10	349000	1745	1	1	0.12	0.056	20.95	21.30	1.084	0.061	/
	State4		Back Side	10	349000	1745	50	0	0.09	0.063	20.89	21.30	1.099	0.069	/
	State4		Right Edge	10	349000	1745	1	1	-0.16	0.035	20.95	21.30	1.084	0.038	/
	State4		Right Edge	10	349000	1745	50	0	0.16	0.029	20.89	21.30	1.099	0.032	/
	State4		Bottom Edge	10	349000	1745	1	1	-0.01	0.142	20.95	21.30	1.084	0.154	/
	State4		Bottom Edge	10	349000	1745	50	0	0.09	0.138	20.89	21.30	1.099	0.152	/
Ant.5	State4	DFT-s-OFDM BPSK	Front Side	10	349000	1745	1	1	-0.15	0.087	19.63	19.80	1.040	0.090	/
	State4		Front Side	10	349000	1745	50	0	-0.15	0.091	19.55	19.80	1.059	0.096	/
	State4		Back Side	10	349000	1745	1	1	-0.14	0.051	19.63	19.80	1.040	0.053	/
	State4		Back Side	10	349000	1745	50	0	-0.11	0.055	19.55	19.80	1.059	0.058	/
	State4		Left Edge	10	349000	1745	1	1	0.13	0.034	19.63	19.80	1.040	0.035	/
	State4		Left Edge	10	349000	1745	50	0	-0.07	0.039	19.55	19.80	1.059	0.041	/
	State4		Top Edge	10	349000	1745	1	1	-0.02	0.022	19.63	19.80	1.040	0.023	/
	State4		Top Edge	10	349000	1745	50	0	0.09	0.029	19.55	19.80	1.059	0.031	/

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Sensor n-1（Open）															
Ant.4	Full Power	DFT-s-OFDM BPSK	Front Side	9	349000	1745	1	1	-0.08	0.082	23.81	24.30	1.119	0.154	/
	Full Power		Front Side	9	349000	1745	50	0	-0.18	0.070	23.80	24.30	1.122	0.134	/
	Full Power		Back Side	10	349000	1745	1	1	0.04	0.068	23.81	24.30	1.119	0.122	/
	Full Power		Back Side	10	349000	1745	50	0	-0.02	0.058	23.80	24.30	1.122	0.104	/
	Full Power		Right Edge	10	349000	1745	1	1	0.02	0.041	23.81	24.30	1.119	0.085	/
	Full Power		Right Edge	10	349000	1745	50	0	-0.15	0.036	23.80	24.30	1.122	0.074	/
	Full Power		Top Edge	11	349000	1745	1	1	-0.15	0.173	23.81	24.30	1.119	0.355	/

	Full Power		Top Edge	11	349000	1745	50	0	0.18	0.152	23.80	24.30	1.122	0.313	/
Sensor n-1（Close）															
Ant.4	Full Power	DFT-s-OFDM BPSK	Front Side	9	349000	1745	1	1	0.08	0.104	23.81	24.30	1.119	0.188	/
	Full Power		Front Side	9	349000	1745	50	0	0.13	0.090	23.80	24.30	1.122	0.163	/
	Full Power		Back Side	10	349000	1745	1	1	0.15	0.026	23.81	24.30	1.119	0.048	/
	Full Power		Back Side	10	349000	1745	50	0	0.17	0.000	23.80	24.30	1.122	0.000	/
	Full Power		Right Edge	10	349000	1745	1	1	0.18	0.035	23.81	24.30	1.119	0.068	/
	Full Power		Right Edge	10	349000	1745	50	0	0.17	0.030	23.80	24.30	1.122	0.058	/
	Full Power		Top Edge	11	349000	1745	1	1	0.13	0.167	23.81	24.30	1.119	0.349	/
	Full Power		Top Edge	11	349000	1745	50	0	-0.16	0.128	23.80	24.30	1.122	0.268	/

11.23 WIFI 2.4GHz

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	Duty Cycle (%)	Duty Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.12	Level1	802.11 b	Left Cheek	0	CH 1	2412	0.08	0.294	13.43	13.50	1.016	98.26	1.018	0.304	/
	Level1		Left Tilt	0	CH 1	2412	0.18	0.364	13.43	13.50	1.016	98.26	1.018	0.376	/
	Level1		Right Cheek	0	CH 1	2412	-0.04	0.298	13.43	13.50	1.016	98.26	1.018	0.308	/
	Level1		Right Tilt	0	CH 1	2412	-0.01	0.356	13.43	13.50	1.016	98.26	1.018	0.368	/
	Level2&3		Left Cheek	0	CH 1	2412	-0.12	0.221	12.32	12.50	1.042	98.26	1.018	0.234	/
	Level2&3		Left Tilt	0	CH 1	2412	0.08	0.265	12.32	12.50	1.042	98.26	1.018	0.281	/
	Level2&3		Right Cheek	0	CH 1	2412	0	0.216	12.32	12.50	1.042	98.26	1.018	0.229	/
	Level2&3		Right Tilt	0	CH 1	2412	0.16	0.255	12.32	12.50	1.042	98.26	1.018	0.270	/
	Level4		Left Cheek	0	CH 1	2412	0.16	0.131	10.25	10.50	1.059	98.26	1.018	0.141	/
	Level4		Left Tilt	0	CH 1	2412	-0.19	0.162	10.25	10.50	1.059	98.26	1.018	0.175	/
	Level4		Right Cheek	0	CH 1	2412	0.13	0.145	10.25	10.50	1.059	98.26	1.018	0.156	/
	Level4		Right Tilt	0	CH 1	2412	-0.02	0.165	10.25	10.50	1.059	98.26	1.018	0.178	/
	Level5&6		Left Cheek	0	CH 1	2412	-0.09	0.101	8.73	9.00	1.064	98.26	1.018	0.109	/
	Level5&6		Left Tilt	0	CH 1	2412	-0.06	0.112	8.73	9.00	1.064	98.26	1.018	0.121	/
	Level5&6		Right Cheek	0	CH 1	2412	-0.06	0.095	8.73	9.00	1.064	98.26	1.018	0.103	/
	Level5&6		Right Tilt	0	CH 1	2412	0.03	0.113	8.73	9.00	1.064	98.26	1.018	0.122	/
	Level7		Left Cheek	0	CH 1	2412	0.05	0.061	6.74	7.00	1.062	98.26	1.018	0.066	/
	Level7		Left Tilt	0	CH 1	2412	-0.01	0.075	6.74	7.00	1.062	98.26	1.018	0.081	/
	Level7		Right Cheek	0	CH 1	2412	0.18	0.062	6.74	7.00	1.062	98.26	1.018	0.067	/
	Level7		Right Tilt	0	CH 1	2412	0.14	0.075	6.74	7.00	1.062	98.26	1.018	0.081	/
Ant.0	Level1	802.11 b	Left Cheek	0	CH 6	2437	-0.01	0.316	12.46	13.50	1.271	98.26	1.018	0.409	/
	Level1		Left Tilt	0	CH 6	2437	-0.01	0.041	12.46	13.50	1.271	98.26	1.018	0.053	/
	Level1		Right Cheek	0	CH 6	2437	-0.02	0.426	12.46	13.50	1.271	98.26	1.018	0.551	76#
	Level1		Right Tilt	0	CH 6	2437	-0.11	0.062	12.46	13.50	1.271	98.26	1.018	0.080	/
	Level2&3		Left Cheek	0	CH 6	2437	-0.01	0.232	11.31	12.50	1.315	98.26	1.018	0.311	/
	Level2&3		Left Tilt	0	CH 6	2437	0.18	0.031	11.31	12.50	1.315	98.26	1.018	0.041	/
	Level2&3		Right Cheek	0	CH 6	2437	-0.17	0.323	11.31	12.50	1.315	98.26	1.018	0.432	/
	Level2&3		Right Tilt	0	CH 6	2437	-0.16	0.041	11.31	12.50	1.315	98.26	1.018	0.055	/
	Level4		Left Cheek	0	CH 6	2437	-0.08	0.138	9.29	10.50	1.321	98.26	1.018	0.186	/
	Level4		Left Tilt	0	CH 6	2437	0.19	0.015	9.29	10.50	1.321	98.26	1.018	0.020	/
	Level4		Right Cheek	0	CH 6	2437	-0.12	0.201	9.29	10.50	1.321	98.26	1.018	0.270	/
	Level4		Right Tilt	0	CH 6	2437	0.16	0.023	9.29	10.50	1.321	98.26	1.018	0.031	/
	Level5&6		Left Cheek	0	CH 6	2437	-0.06	0.095	7.87	9.00	1.297	98.26	1.018	0.125	/
	Level5&6		Left Tilt	0	CH 6	2437	0.17	0.010	7.87	9.00	1.297	98.26	1.018	0.013	/
	Level5&6		Right Cheek	0	CH 6	2437	0.14	0.132	7.87	9.00	1.297	98.26	1.018	0.174	/

	Level5&6		Right Tilt	0	CH 6	2437	0.02	0.013	7.87	9.00	1.297	98.26	1.018	0.017	/
	Level7		Left Cheek	0	CH 6	2437	-0.09	0.058	5.76	7.00	1.330	98.26	1.018	0.079	/
	Level7		Left Tilt	0	CH 6	2437	0.19	0.005	5.76	7.00	1.330	98.26	1.018	0.007	/
	Level7		Right Cheek	0	CH 6	2437	0.16	0.081	5.76	7.00	1.330	98.26	1.018	0.110	/
	Level7		Right Tilt	0	CH 6	2437	-0.05	0.006	5.76	7.00	1.330	98.26	1.018	0.008	/
Ant.0&12	Level1	802.11b	Left Cheek	0	CH 1	2412	0.08	0.243	15.87	16.50	1.156	98.26	1.018	0.286	/
	Level1		Left Tilt	0	CH 1	2412	-0.07	0.288	15.87	16.50	1.156	98.26	1.018	0.339	/
	Level1		Right Cheek	0	CH 1	2412	-0.06	0.368	15.87	16.50	1.156	98.26	1.018	0.433	/
	Level1		Right Tilt	0	CH 1	2412	-0.16	0.245	15.87	16.50	1.156	98.26	1.018	0.288	/
	Level2&3		Left Cheek	0	CH 1	2412	0.11	0.185	14.83	15.50	1.167	98.26	1.018	0.220	/
	Level2&3		Left Tilt	0	CH 1	2412	0.08	0.216	14.83	15.50	1.167	98.26	1.018	0.257	/
	Level2&3		Right Cheek	0	CH 1	2412	-0.05	0.288	14.83	15.50	1.167	98.26	1.018	0.342	/
	Level2&3		Right Tilt	0	CH 1	2412	-0.09	0.185	14.83	15.50	1.167	98.26	1.018	0.220	/
	Level4		Left Cheek	0	CH 1	2412	-0.04	0.107	12.75	13.50	1.189	98.26	1.018	0.130	/
	Level4		Left Tilt	0	CH 1	2412	0.06	0.132	12.75	13.50	1.189	98.26	1.018	0.160	/
	Level4		Right Cheek	0	CH 1	2412	0.02	0.174	12.75	13.50	1.189	98.26	1.018	0.211	/
	Level4		Right Tilt	0	CH 1	2412	0.19	0.113	12.75	13.50	1.189	98.26	1.018	0.137	/
	Level5&6		Left Cheek	0	CH 1	2412	0.08	0.072	11.23	12.00	1.194	98.26	1.018	0.088	/
	Level5&6		Left Tilt	0	CH 1	2412	0.02	0.091	11.23	12.00	1.194	98.26	1.018	0.111	/
	Level5&6		Right Cheek	0	CH 1	2412	0.1	0.116	11.23	12.00	1.194	98.26	1.018	0.141	/
	Level5&6		Right Tilt	0	CH 1	2412	-0.11	0.075	11.23	12.00	1.194	98.26	1.018	0.091	/
	Level7		Left Cheek	0	CH 1	2412	-0.1	0.042	9.21	10.00	1.199	98.26	1.018	0.051	/
	Level7		Left Tilt	0	CH 1	2412	0.04	0.055	9.21	10.00	1.199	98.26	1.018	0.067	/
	Level7		Right Cheek	0	CH 1	2412	-0.06	0.071	9.21	10.00	1.199	98.26	1.018	0.087	/
	Level7		Right Tilt	0	CH 1	2412	0.13	0.043	9.21	10.00	1.199	98.26	1.018	0.052	/
Body-worm(Open)															
Ant.12	Level8	802.11b	Front Side	15	CH 1	2412	-0.05	0.049	13.43	13.50	1.016	98.26	1.018	0.051	/
	Level8		Back Side	15	CH 1	2412	0.17	0.052	13.43	13.50	1.016	98.26	1.018	0.054	/
Ant.0	Level8	802.11b	Front Side	15	CH 6	2437	0.19	0.044	12.46	13.50	1.271	98.26	1.018	0.057	/
	Level8		Back Side	15	CH 6	2437	0.18	0.035	12.46	13.50	1.271	98.26	1.018	0.045	/
Ant.0&12	Level8	802.11b	Front Side	15	CH 1	2412	0.19	0.054	15.87	16.50	1.156	98.26	1.018	0.064	77#
	Level8		Back Side	15	CH 1	2412	0.01	0.051	15.87	16.50	1.156	98.26	1.018	0.060	/
Body-worm(Close)															
Ant.12	Level8	802.11b	Front Side	15	CH 1	2412	-0.02	0.006	13.43	13.50	1.016	98.26	1.018	0.006	/
	Level8		Back Side	15	CH 1	2412	0.11	0.008	13.43	13.50	1.016	98.26	1.018	0.008	/
Ant.0	Level8	802.11b	Front Side	15	CH 6	2437	-0.07	0.005	12.46	13.50	1.271	98.26	1.018	0.006	/
	Level8		Back Side	15	CH 6	2437	-0.07	0.004	12.46	13.50	1.271	98.26	1.018	0.005	/
Ant.0&12	Level8	802.11b	Front Side	15	CH 1	2412	-0.03	0.014	15.87	16.50	1.156	98.26	1.018	0.016	/
	Level8		Back Side	15	CH 1	2412	0.06	0.012	15.87	16.50	1.156	98.26	1.018	0.014	/
Hotspot(Open)															
Ant.12	Level8	802.11b	Front Side	10	CH 1	2412	-0.09	0.084	13.43	13.50	1.016	98.26	1.018	0.087	/
	Level8		Back Side	10	CH 1	2412	0.12	0.103	13.43	13.50	1.016	98.26	1.018	0.107	/
	Level8		Left Edge	10	CH 1	2412	0.19	0.011	13.43	13.50	1.016	98.26	1.018	0.011	/

	Level8		Right Edge	10	CH 1	2412	-0.01	0.013	13.43	13.50	1.016	98.26	1.018	0.013	/
	Level8		Top Edge	10	CH 1	2412	-0.19	0.163	13.43	13.50	1.016	98.26	1.018	0.169	/
	Level8		Bottom Edge	10	CH 1	2412	0.02	0.009	13.43	13.50	1.016	98.26	1.018	0.009	/
	Level9&10		Front Side	10	CH 1	2412	0	0.061	12.32	12.50	1.042	98.26	1.018	0.065	/
	Level9&10		Back Side	10	CH 1	2412	-0.05	0.075	12.32	12.50	1.042	98.26	1.018	0.080	/
	Level9&10		Left Edge	10	CH 1	2412	-0.07	0.008	12.32	12.50	1.042	98.26	1.018	0.008	/
	Level9&10		Right Edge	10	CH 1	2412	-0.09	0.009	12.32	12.50	1.042	98.26	1.018	0.010	/
	Level9&10		Top Edge	10	CH 1	2412	-0.02	0.125	12.32	12.50	1.042	98.26	1.018	0.133	/
	Level9&10		Bottom Edge	10	CH 1	2412	-0.19	0.005	12.32	12.50	1.042	98.26	1.018	0.005	/
	Level11		Front Side	10	CH 1	2412	0.13	0.041	10.42	11.00	1.143	98.26	1.018	0.048	/
	Level11		Back Side	10	CH 1	2412	-0.01	0.052	10.42	11.00	1.143	98.26	1.018	0.061	/
	Level11		Left Edge	10	CH 1	2412	-0.01	0.005	10.42	11.00	1.143	98.26	1.018	0.006	/
	Level11		Right Edge	10	CH 1	2412	-0.07	0.005	10.42	11.00	1.143	98.26	1.018	0.006	/
	Level11		Top Edge	10	CH 1	2412	0.17	0.085	10.42	11.00	1.143	98.26	1.018	0.099	/
	Level11		Bottom Edge	10	CH 1	2412	0.1	0.003	10.42	11.00	1.143	98.26	1.018	0.003	/
	Level12&13		Front Side	10	CH 1	2412	0.11	0.028	8.73	9.00	1.064	98.26	1.018	0.030	/
	Level12&13		Back Side	10	CH 1	2412	0.11	0.035	8.73	9.00	1.064	98.26	1.018	0.038	/
	Level12&13		Left Edge	10	CH 1	2412	0.1	0.004	8.73	9.00	1.064	98.26	1.018	0.004	/
	Level12&13		Right Edge	10	CH 1	2412	0.01	0.004	8.73	9.00	1.064	98.26	1.018	0.004	/
	Level12&13		Top Edge	10	CH 1	2412	0.08	0.052	8.73	9.00	1.064	98.26	1.018	0.056	/
	Level12&13		Bottom Edge	10	CH 1	2412	0.17	0.002	8.73	9.00	1.064	98.26	1.018	0.002	/
	Level14		Front Side	10	CH 1	2412	-0.03	0.016	6.74	7.00	1.062	98.26	1.018	0.017	/
	Level14		Back Side	10	CH 1	2412	-0.03	0.021	6.74	7.00	1.062	98.26	1.018	0.023	/
	Level14		Left Edge	10	CH 1	2412	-0.01	0.002	6.74	7.00	1.062	98.26	1.018	0.002	/
	Level14		Right Edge	10	CH 1	2412	0.18	0.002	6.74	7.00	1.062	98.26	1.018	0.002	/
	Level14		Top Edge	10	CH 1	2412	0.05	0.031	6.74	7.00	1.062	98.26	1.018	0.034	/
	Level14		Bottom Edge	10	CH 1	2412	-0.07	0.001	6.74	7.00	1.062	98.26	1.018	0.001	/
Ant.0	Level8	802.11 b	Front Side	10	CH 6	2437	-0.05	0.101	12.46	13.50	1.271	98.26	1.018	0.131	/
	Level8		Back Side	10	CH 6	2437	0.11	0.060	12.46	13.50	1.271	98.26	1.018	0.078	/
	Level8		Left Edge	10	CH 6	2437	0.13	0.146	12.46	13.50	1.271	98.26	1.018	0.189	/
	Level8		Right Edge	10	CH 6	2437	0.1	0.000	12.46	13.50	1.271	98.26	1.018	0.000	/
	Level8		Top Edge	10	CH 6	2437	-0.02	0.000	12.46	13.50	1.271	98.26	1.018	0.000	/
	Level8		Bottom Edge	10	CH 6	2437	0.04	0.000	12.46	13.50	1.271	98.26	1.018	0.000	/
	Level9&10		Front Side	10	CH 6	2437	-0.14	0.078	11.31	12.50	1.315	98.26	1.018	0.104	/
	Level9&10		Back Side	10	CH 6	2437	0.06	0.045	11.31	12.50	1.315	98.26	1.018	0.060	/
	Level9&10		Left Edge	10	CH 6	2437	-0.05	0.118	11.31	12.50	1.315	98.26	1.018	0.158	/
	Level9&10		Right Edge	10	CH 6	2437	0.07	0.015	11.31	12.50	1.315	98.26	1.018	0.020	/
	Level9&10		Top Edge	10	CH 6	2437	0.04	0.017	11.31	12.50	1.315	98.26	1.018	0.023	/
	Level9&10		Bottom Edge	10	CH 6	2437	-0.09	0.005	11.31	12.50	1.315	98.26	1.018	0.007	/
	Level11		Front Side	10	CH 6	2437	0.12	0.052	9.89	11.00	1.291	98.26	1.018	0.068	/
	Level11		Back Side	10	CH 6	2437	-0.16	0.031	9.89	11.00	1.291	98.26	1.018	0.041	/
	Level11		Left Edge	10	CH 6	2437	-0.11	0.075	9.89	11.00	1.291	98.26	1.018	0.099	/
	Level11		Right Edge	10	CH 6	2437	0.1	0.012	9.89	11.00	1.291	98.26	1.018	0.016	/

	Level11		Top Edge	10	CH 6	2437	0.15	0.010	9.89	11.00	1.291	98.26	1.018	0.013	/
	Level11		Bottom Edge	10	CH 6	2437	-0.12	0.003	9.89	11.00	1.291	98.26	1.018	0.004	/
	Level12&13		Front Side	10	CH 6	2437	-0.1	0.038	7.87	9.00	1.297	98.26	1.018	0.050	/
	Level12&13		Back Side	10	CH 6	2437	-0.13	0.018	7.87	9.00	1.297	98.26	1.018	0.024	/
	Level12&13		Left Edge	10	CH 6	2437	0.02	0.051	7.87	9.00	1.297	98.26	1.018	0.067	/
	Level12&13		Right Edge	10	CH 6	2437	-0.19	0.006	7.87	9.00	1.297	98.26	1.018	0.008	/
	Level12&13		Top Edge	10	CH 6	2437	0.04	0.005	7.87	9.00	1.297	98.26	1.018	0.007	/
	Level12&13		Bottom Edge	10	CH 6	2437	0.18	0.002	7.87	9.00	1.297	98.26	1.018	0.003	/
	Level14		Front Side	10	CH 6	2437	-0.12	0.021	5.76	7.00	1.330	98.26	1.018	0.028	/
	Level14		Back Side	10	CH 6	2437	0.19	0.012	5.76	7.00	1.330	98.26	1.018	0.016	/
	Level14		Left Edge	10	CH 6	2437	0.07	0.031	5.76	7.00	1.330	98.26	1.018	0.042	/
	Level14		Right Edge	10	CH 6	2437	0.18	0.007	5.76	7.00	1.330	98.26	1.018	0.009	/
	Level14		Top Edge	10	CH 6	2437	-0.17	0.003	5.76	7.00	1.330	98.26	1.018	0.004	/
	Level14		Bottom Edge	10	CH 6	2437	-0.06	0.001	5.76	7.00	1.330	98.26	1.018	0.001	/
Ant.0&12	Level8	802.11b	Front Side	10	CH 1	2412	0.14	0.085	15.87	16.50	1.156	98.26	1.018	0.100	/
	Level8		Back Side	10	CH 1	2412	-0.1	0.086	15.87	16.50	1.156	98.26	1.018	0.101	/
	Level8		Left Edge	10	CH 1	2412	-0.13	0.021	15.87	16.50	1.156	98.26	1.018	0.025	/
	Level8		Right Edge	10	CH 1	2412	0.17	0.123	15.87	16.50	1.156	98.26	1.018	0.145	/
	Level8		Top Edge	10	CH 1	2412	0.01	0.189	15.87	16.50	1.156	98.26	1.018	0.222	78#
	Level8		Bottom Edge	10	CH 1	2412	-0.06	0.011	15.87	16.50	1.156	98.26	1.018	0.013	/
	Level9&10		Front Side	10	CH 1	2412	-0.17	0.075	14.82	15.50	1.169	98.26	1.018	0.089	/
	Level9&10		Back Side	10	CH 1	2412	-0.06	0.073	14.82	15.50	1.169	98.26	1.018	0.087	/
	Level9&10		Left Edge	10	CH 1	2412	0.19	0.015	14.82	15.50	1.169	98.26	1.018	0.018	/
	Level9&10		Right Edge	10	CH 1	2412	0.03	0.095	14.82	15.50	1.169	98.26	1.018	0.113	/
	Level9&10		Top Edge	10	CH 1	2412	-0.1	0.132	14.82	15.50	1.169	98.26	1.018	0.157	/
	Level9&10		Bottom Edge	10	CH 1	2412	0.05	0.003	14.82	15.50	1.169	98.26	1.018	0.004	/
	Level11		Front Side	10	CH 1	2412	-0.02	0.048	13.34	14.00	1.164	98.26	1.018	0.057	/
	Level11		Back Side	10	CH 1	2412	-0.01	0.046	13.34	14.00	1.164	98.26	1.018	0.055	/
	Level11		Left Edge	10	CH 1	2412	0.06	0.011	13.34	14.00	1.164	98.26	1.018	0.013	/
	Level11		Right Edge	10	CH 1	2412	0.04	0.068	13.34	14.00	1.164	98.26	1.018	0.081	/
	Level11		Top Edge	10	CH 1	2412	0.07	0.102	13.34	14.00	1.164	98.26	1.018	0.121	/
	Level11		Bottom Edge	10	CH 1	2412	-0.19	0.005	13.34	14.00	1.164	98.26	1.018	0.006	/
	Level12&13		Front Side	10	CH 1	2412	0.13	0.028	11.23	12.00	1.194	98.26	1.018	0.034	/
	Level12&13		Back Side	10	CH 1	2412	-0.1	0.026	11.23	12.00	1.194	98.26	1.018	0.032	/
	Level12&13		Left Edge	10	CH 1	2412	0.14	0.005	11.23	12.00	1.194	98.26	1.018	0.006	/
	Level12&13		Right Edge	10	CH 1	2412	0.13	0.041	11.23	12.00	1.194	98.26	1.018	0.050	/
	Level12&13		Top Edge	10	CH 1	2412	-0.04	0.063	11.23	12.00	1.194	98.26	1.018	0.077	/
	Level12&13		Bottom Edge	10	CH 1	2412	0.12	0.003	11.23	12.00	1.194	98.26	1.018	0.004	/
	Level14		Front Side	10	CH 1	2412	-0.1	0.017	9.21	10.00	1.199	98.26	1.018	0.021	/
	Level14		Back Side	10	CH 1	2412	0.08	0.016	9.21	10.00	1.199	98.26	1.018	0.020	/
	Level14		Left Edge	10	CH 1	2412	0.14	0.006	9.21	10.00	1.199	98.26	1.018	0.007	/
	Level14		Right Edge	10	CH 1	2412	0.12	0.031	9.21	10.00	1.199	98.26	1.018	0.038	/
	Level14		Top Edge	10	CH 1	2412	-0.19	0.041	9.21	10.00	1.199	98.26	1.018	0.050	/

	Level14		Bottom Edge	10	CH 1	2412	-0.03	0.001	9.21	10.00	1.199	98.26	1.018	0.001	/
Hotspot(Close)															
Ant.12	Level8	802.11 b	Front Side	10	CH 1	2412	-0.18	0.011	13.43	13.50	1.016	98.26	1.018	0.011	/
	Level8		Back Side	10	CH 1	2412	-0.18	0.016	13.43	13.50	1.016	98.26	1.018	0.017	/
	Level8		Left Edge	10	CH 1	2412	0.15	0.011	13.43	13.50	1.016	98.26	1.018	0.011	/
	Level8		Right Edge	10	CH 1	2412	0.16	0.023	13.43	13.50	1.016	98.26	1.018	0.024	/
	Level8		Top Edge	10	CH 1	2412	0.15	0.021	13.43	13.50	1.016	98.26	1.018	0.022	/
	Level8		Bottom Edge	10	CH 1	2412	-0.06	0.072	13.43	13.50	1.016	98.26	1.018	0.074	/
	Level9&10		Front Side	10	CH 1	2412	0.1	0.007	12.32	12.50	1.042	98.26	1.018	0.007	/
	Level9&10		Back Side	10	CH 1	2412	-0.14	0.012	12.32	12.50	1.042	98.26	1.018	0.013	/
	Level9&10		Left Edge	10	CH 1	2412	-0.05	0.008	12.32	12.50	1.042	98.26	1.018	0.008	/
	Level9&10		Right Edge	10	CH 1	2412	0.06	0.016	12.32	12.50	1.042	98.26	1.018	0.017	/
	Level9&10		Top Edge	10	CH 1	2412	0.18	0.015	12.32	12.50	1.042	98.26	1.018	0.016	/
	Level9&10		Bottom Edge	10	CH 1	2412	-0.12	0.052	12.32	12.50	1.042	98.26	1.018	0.055	/
	Level11		Front Side	10	CH 1	2412	0.13	0.005	10.42	11.00	1.143	98.26	1.018	0.006	/
	Level11		Back Side	10	CH 1	2412	-0.08	0.007	10.42	11.00	1.143	98.26	1.018	0.008	/
	Level11		Left Edge	10	CH 1	2412	0	0.005	10.42	11.00	1.143	98.26	1.018	0.006	/
	Level11		Right Edge	10	CH 1	2412	0.07	0.012	10.42	11.00	1.143	98.26	1.018	0.014	/
	Level11		Top Edge	10	CH 1	2412	-0.14	0.011	10.42	11.00	1.143	98.26	1.018	0.013	/
	Level11		Bottom Edge	10	CH 1	2412	-0.16	0.045	10.42	11.00	1.143	98.26	1.018	0.052	/
	Level12&13		Front Side	10	CH 1	2412	-0.1	0.003	8.73	9.00	1.064	98.26	1.018	0.003	/
	Level12&13		Back Side	10	CH 1	2412	0	0.005	8.73	9.00	1.064	98.26	1.018	0.005	/
	Level12&13		Left Edge	10	CH 1	2412	0.05	0.003	8.73	9.00	1.064	98.26	1.018	0.003	/
	Level12&13		Right Edge	10	CH 1	2412	0.02	0.006	8.73	9.00	1.064	98.26	1.018	0.006	/
	Level12&13		Top Edge	10	CH 1	2412	0.16	0.006	8.73	9.00	1.064	98.26	1.018	0.006	/
	Level12&13		Bottom Edge	10	CH 1	2412	-0.06	0.023	8.73	9.00	1.064	98.26	1.018	0.025	/
	Level14		Front Side	10	CH 1	2412	-0.17	0.002	6.74	7.00	1.062	98.26	1.018	0.002	/
	Level14		Back Side	10	CH 1	2412	0.19	0.003	6.74	7.00	1.062	98.26	1.018	0.003	/
	Level14		Left Edge	10	CH 1	2412	-0.16	0.002	6.74	7.00	1.062	98.26	1.018	0.002	/
	Level14		Right Edge	10	CH 1	2412	-0.01	0.004	6.74	7.00	1.062	98.26	1.018	0.004	/
	Level14		Top Edge	10	CH 1	2412	0.14	0.003	6.74	7.00	1.062	98.26	1.018	0.003	/
	Level14		Bottom Edge	10	CH 1	2412	-0.17	0.013	6.74	7.00	1.062	98.26	1.018	0.014	/
Ant.0	Level8	802.11 b	Front Side	10	CH 6	2437	0.14	0.053	12.46	13.50	1.271	98.26	1.018	0.069	/
	Level8		Back Side	10	CH 6	2437	0.18	0.032	12.46	13.50	1.271	98.26	1.018	0.041	/
	Level8		Left Edge	10	CH 6	2437	0.14	0.018	12.46	13.50	1.271	98.26	1.018	0.023	/
	Level8		Right Edge	10	CH 6	2437	0	0.142	12.46	13.50	1.271	98.26	1.018	0.184	/
	Level8		Top Edge	10	CH 6	2437	0.07	0.016	12.46	13.50	1.271	98.26	1.018	0.021	/
	Level8		Bottom Edge	10	CH 6	2437	0.09	0.011	12.46	13.50	1.271	98.26	1.018	0.014	/
	Level9&10		Front Side	10	CH 6	2437	0.16	0.041	11.31	12.50	1.315	98.26	1.018	0.055	/
	Level9&10		Back Side	10	CH 6	2437	0.18	0.023	11.31	12.50	1.315	98.26	1.018	0.031	/
	Level9&10		Left Edge	10	CH 6	2437	-0.1	0.013	11.31	12.50	1.315	98.26	1.018	0.017	/
	Level9&10		Right Edge	10	CH 6	2437	-0.05	0.106	11.31	12.50	1.315	98.26	1.018	0.142	/
	Level9&10		Top Edge	10	CH 6	2437	0.16	0.011	11.31	12.50	1.315	98.26	1.018	0.015	/

	Level9&10		Bottom Edge	10	CH 6	2437	0.13	0.008	11.31	12.50	1.315	98.26	1.018	0.011	/
	Level11		Front Side	10	CH 6	2437	-0.14	0.028	9.89	11.00	1.291	98.26	1.018	0.037	/
	Level11		Back Side	10	CH 6	2437	0.01	0.017	9.89	11.00	1.291	98.26	1.018	0.022	/
	Level11		Left Edge	10	CH 6	2437	-0.09	0.009	9.89	11.00	1.291	98.26	1.018	0.012	/
	Level11		Right Edge	10	CH 6	2437	-0.02	0.075	9.89	11.00	1.291	98.26	1.018	0.099	/
	Level11		Top Edge	10	CH 6	2437	0.04	0.006	9.89	11.00	1.291	98.26	1.018	0.008	/
	Level11		Bottom Edge	10	CH 6	2437	-0.18	0.005	9.89	11.00	1.291	98.26	1.018	0.007	/
	Level12&13		Front Side	10	CH 6	2437	-0.13	0.016	7.87	9.00	1.297	98.26	1.018	0.021	/
	Level12&13		Back Side	10	CH 6	2437	-0.1	0.009	7.87	9.00	1.297	98.26	1.018	0.012	/
	Level12&13		Left Edge	10	CH 6	2437	-0.01	0.005	7.87	9.00	1.297	98.26	1.018	0.007	/
	Level12&13		Right Edge	10	CH 6	2437	0	0.047	7.87	9.00	1.297	98.26	1.018	0.062	/
	Level12&13		Top Edge	10	CH 6	2437	-0.18	0.004	7.87	9.00	1.297	98.26	1.018	0.005	/
	Level12&13		Bottom Edge	10	CH 6	2437	0.14	0.004	7.87	9.00	1.297	98.26	1.018	0.005	/
	Level14		Front Side	10	CH 6	2437	0.17	0.011	5.76	7.00	1.330	98.26	1.018	0.015	/
	Level14		Back Side	10	CH 6	2437	-0.08	0.006	5.76	7.00	1.330	98.26	1.018	0.008	/
	Level14		Left Edge	10	CH 6	2437	-0.13	0.003	5.76	7.00	1.330	98.26	1.018	0.004	/
	Level14		Right Edge	10	CH 6	2437	-0.13	0.031	5.76	7.00	1.330	98.26	1.018	0.042	/
	Level14		Top Edge	10	CH 6	2437	0.03	0.002	5.76	7.00	1.330	98.26	1.018	0.003	/
	Level14		Bottom Edge	10	CH 6	2437	0.05	0.001	5.76	7.00	1.330	98.26	1.018	0.001	/
Ant.0&12	Level8	802.11b	Front Side	10	CH 1	2412	0.07	0.048	15.87	16.50	1.156	98.26	1.018	0.056	/
	Level8		Back Side	10	CH 1	2412	-0.06	0.032	15.87	16.50	1.156	98.26	1.018	0.038	/
	Level8		Left Edge	10	CH 1	2412	0.11	0.021	15.87	16.50	1.156	98.26	1.018	0.025	/
	Level8		Right Edge	10	CH 1	2412	-0.04	0.115	15.87	16.50	1.156	98.26	1.018	0.135	/
	Level8		Top Edge	10	CH 1	2412	0.12	0.012	15.87	16.50	1.156	98.26	1.018	0.014	/
	Level8		Bottom Edge	10	CH 1	2412	0.15	0.055	15.87	16.50	1.156	98.26	1.018	0.065	/
	Level9&10		Front Side	10	CH 1	2412	-0.04	0.035	14.82	15.50	1.169	98.26	1.018	0.042	/
	Level9&10		Back Side	10	CH 1	2412	0.09	0.021	14.82	15.50	1.169	98.26	1.018	0.025	/
	Level9&10		Left Edge	10	CH 1	2412	-0.17	0.016	14.82	15.50	1.169	98.26	1.018	0.019	/
	Level9&10		Right Edge	10	CH 1	2412	0.11	0.088	14.82	15.50	1.169	98.26	1.018	0.105	/
	Level9&10		Top Edge	10	CH 1	2412	-0.02	0.009	14.82	15.50	1.169	98.26	1.018	0.011	/
	Level9&10		Bottom Edge	10	CH 1	2412	-0.01	0.042	14.82	15.50	1.169	98.26	1.018	0.050	/
	Level11		Front Side	10	CH 1	2412	0.14	0.025	13.34	14.00	1.164	98.26	1.018	0.030	/
	Level11		Back Side	10	CH 1	2412	-0.17	0.016	13.34	14.00	1.164	98.26	1.018	0.019	/
	Level11		Left Edge	10	CH 1	2412	0.17	0.011	13.34	14.00	1.164	98.26	1.018	0.013	/
	Level11		Right Edge	10	CH 1	2412	-0.09	0.062	13.34	14.00	1.164	98.26	1.018	0.073	/
	Level11		Top Edge	10	CH 1	2412	-0.15	0.005	13.34	14.00	1.164	98.26	1.018	0.006	/
	Level11		Bottom Edge	10	CH 1	2412	0.03	0.028	13.34	14.00	1.164	98.26	1.018	0.033	/
	Level12&13		Front Side	10	CH 1	2412	-0.18	0.016	11.23	12.00	1.194	98.26	1.018	0.019	/
	Level12&13		Back Side	10	CH 1	2412	-0.03	0.009	11.23	12.00	1.194	98.26	1.018	0.011	/
	Level12&13		Left Edge	10	CH 1	2412	-0.04	0.006	11.23	12.00	1.194	98.26	1.018	0.007	/
	Level12&13		Right Edge	10	CH 1	2412	0.15	0.038	11.23	12.00	1.194	98.26	1.018	0.046	/
	Level12&13		Top Edge	10	CH 1	2412	0.06	0.002	11.23	12.00	1.194	98.26	1.018	0.002	/
	Level12&13		Bottom Edge	10	CH 1	2412	0.15	0.019	11.23	12.00	1.194	98.26	1.018	0.023	/

	Level14		Front Side	10	CH 1	2412	0.05	0.009	9.21	10.00	1.199	98.26	1.018	0.011	/
	Level14		Back Side	10	CH 1	2412	-0.12	0.006	9.21	10.00	1.199	98.26	1.018	0.007	/
	Level14		Left Edge	10	CH 1	2412	0.01	0.004	9.21	10.00	1.199	98.26	1.018	0.005	/
	Level14		Right Edge	10	CH 1	2412	-0.02	0.021	9.21	10.00	1.199	98.26	1.018	0.026	/
	Level14		Top Edge	10	CH 1	2412	-0.11	0.002	9.21	10.00	1.199	98.26	1.018	0.002	/
	Level14		Bottom Edge	10	CH 1	2412	0.16	0.011	9.21	10.00	1.199	98.26	1.018	0.013	/

11.24 WIFI 5GHz

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	Duty Cycle (%)	Duty Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head 5.3G WALN															
Ant.9	Level1	802.11a	Left Cheek	0	52	5260	-0.14	0.471	14.53	15.10	1.140	96.26	1.039	0.558	/
	Level1		Left Tilt	0	52	5260	0.05	0.509	14.53	15.10	1.140	96.26	1.039	0.603	/
	Level1		Right Cheek	0	52	5260	0.1	0.282	14.53	15.10	1.140	96.26	1.039	0.334	/
	Level1		Right Tilt	0	52	5260	0.15	0.306	14.53	15.10	1.140	96.26	1.039	0.362	/
	Level2		Left Cheek	0	52	5260	-0.17	0.288	12.51	13.10	1.146	96.26	1.039	0.343	/
	Level2		Left Tilt	0	52	5260	-0.07	0.312	12.51	13.10	1.146	96.26	1.039	0.371	/
	Level2		Right Cheek	0	52	5260	0.03	0.165	12.51	13.10	1.146	96.26	1.039	0.196	/
	Level2		Right Tilt	0	52	5260	-0.05	0.184	12.51	13.10	1.146	96.26	1.039	0.219	/
	Level3&4		Left Cheek	0	52	5260	0.1	0.212	11.52	12.10	1.143	96.26	1.039	0.252	/
	Level3&4		Left Tilt	0	52	5260	0.01	0.241	11.52	12.10	1.143	96.26	1.039	0.286	/
	Level3&4		Right Cheek	0	52	5260	0.05	0.155	11.52	12.10	1.143	96.26	1.039	0.184	/
	Level3&4		Right Tilt	0	52	5260	0.08	0.151	11.52	12.10	1.143	96.26	1.039	0.179	/
	Level5		Left Cheek	0	52	5260	-0.02	0.174	10.48	11.10	1.153	96.26	1.039	0.208	/
	Level5		Left Tilt	0	52	5260	-0.01	0.195	10.48	11.10	1.153	96.26	1.039	0.234	/
	Level5		Right Cheek	0	52	5260	-0.11	0.103	10.48	11.10	1.153	96.26	1.039	0.123	/
	Level5		Right Tilt	0	52	5260	0.11	0.116	10.48	11.10	1.153	96.26	1.039	0.139	/
	Level6		Left Cheek	0	52	5260	0.17	0.141	9.55	10.10	1.135	96.26	1.039	0.166	/
	Level6		Left Tilt	0	52	5260	0.08	0.156	9.55	10.10	1.135	96.26	1.039	0.184	/
	Level6		Right Cheek	0	52	5260	0.07	0.085	9.55	10.10	1.135	96.26	1.039	0.100	/
	Level6		Right Tilt	0	52	5260	0.06	0.095	9.55	10.10	1.135	96.26	1.039	0.112	/
	Level7		Left Cheek	0	52	5260	0.02	0.085	7.32	8.10	1.197	96.26	1.039	0.106	/
	Level7		Left Tilt	0	52	5260	-0.05	0.096	7.32	8.10	1.197	96.26	1.039	0.119	/
	Level7		Right Cheek	0	52	5260	-0.02	0.051	7.32	8.10	1.197	96.26	1.039	0.063	/
	Level7		Right Tilt	0	52	5260	0.07	0.059	7.32	8.10	1.197	96.26	1.039	0.073	/
Ant.13	Level1	802.11a	Left Cheek	0	52	5260	-0.12	0.083	14.46	15.10	1.159	96.26	1.039	0.100	/
	Level1		Left Tilt	0	52	5260	0.1	0.171	14.46	15.10	1.159	96.26	1.039	0.206	/
	Level1		Right Cheek	0	52	5260	0.11	0.105	14.46	15.10	1.159	96.26	1.039	0.126	/
	Level1		Right Tilt	0	52	5260	-0.13	0.063	14.46	15.10	1.159	96.26	1.039	0.076	/
	Level2		Left Cheek	0	52	5260	0.02	0.051	12.45	13.10	1.161	96.26	1.039	0.062	/
	Level2		Left Tilt	0	52	5260	-0.15	0.102	12.45	13.10	1.161	96.26	1.039	0.123	/
	Level2		Right Cheek	0	52	5260	0.16	0.063	12.45	13.10	1.161	96.26	1.039	0.076	/
	Level2		Right Tilt	0	52	5260	0.14	0.045	12.45	13.10	1.161	96.26	1.039	0.054	/
	Level3&4		Left Cheek	0	52	5260	-0.14	0.046	11.43	12.10	1.167	96.26	1.039	0.056	/
	Level3&4		Left Tilt	0	52	5260	0.01	0.082	11.43	12.10	1.167	96.26	1.039	0.099	/
	Level3&4		Right Cheek	0	52	5260	-0.05	0.051	11.43	12.10	1.167	96.26	1.039	0.062	/
	Level3&4		Right Tilt	0	52	5260	-0.02	0.028	11.43	12.10	1.167	96.26	1.039	0.034	/

	Level5		Left Cheek	0	52	5260	0.14	0.035	10.52	11.10	1.143	96.26	1.039	0.042	/
	Level5		Left Tilt	0	52	5260	0.07	0.062	10.52	11.10	1.143	96.26	1.039	0.074	/
	Level5		Right Cheek	0	52	5260	-0.09	0.038	10.52	11.10	1.143	96.26	1.039	0.045	/
	Level5		Right Tilt	0	52	5260	0.16	0.024	10.52	11.10	1.143	96.26	1.039	0.029	/
	Level6		Left Cheek	0	52	5260	0.07	0.021	9.47	10.10	1.156	96.26	1.039	0.025	/
	Level6		Left Tilt	0	52	5260	0.07	0.051	9.47	10.10	1.156	96.26	1.039	0.061	/
	Level6		Right Cheek	0	52	5260	-0.13	0.028	9.47	10.10	1.156	96.26	1.039	0.034	/
	Level6		Right Tilt	0	52	5260	-0.17	0.018	9.47	10.10	1.156	96.26	1.039	0.022	/
	Level7		Left Cheek	0	52	5260	0.14	0.014	7.41	8.10	1.172	96.26	1.039	0.017	/
	Level7		Left Tilt	0	52	5260	0.17	0.032	7.41	8.10	1.172	96.26	1.039	0.039	/
	Level7		Right Cheek	0	52	5260	0.02	0.017	7.41	8.10	1.172	96.26	1.039	0.021	/
	Level7		Right Tilt	0	52	5260	-0.17	0.011	7.41	8.10	1.172	96.26	1.039	0.013	/
	Level1		Left Cheek	0	52	5260	0.03	0.554	17.51	18.10	1.146	96.26	1.039	0.660	/
	Level1		Left Tilt	0	52	5260	0	0.669	17.51	18.10	1.146	96.26	1.039	0.797	79#
	Level1		Right Cheek	0	52	5260	0.06	0.323	17.51	18.10	1.146	96.26	1.039	0.385	/
	Level1		Right Tilt	0	52	5260	-0.13	0.406	17.51	18.10	1.146	96.26	1.039	0.483	/
	Level2		Left Cheek	0	52	5260	0.04	0.365	15.49	16.10	1.151	96.26	1.039	0.436	/
	Level2		Left Tilt	0	52	5260	0.17	0.416	15.49	16.10	1.151	96.26	1.039	0.497	/
	Level2		Right Cheek	0	52	5260	-0.17	0.228	15.49	16.10	1.151	96.26	1.039	0.273	/
	Level2		Right Tilt	0	52	5260	0.01	0.247	15.49	16.10	1.151	96.26	1.039	0.295	/
	Level3&4		Left Cheek	0	52	5260	-0.11	0.265	14.49	15.10	1.151	96.26	1.039	0.317	/
	Level3&4		Left Tilt	0	52	5260	-0.02	0.323	14.49	15.10	1.151	96.26	1.039	0.386	/
	Level3&4	802.	Right Cheek	0	52	5260	0.08	0.184	14.49	15.10	1.151	96.26	1.039	0.220	/
Ant.9&	Level3&4	11a	Right Tilt	0	52	5260	0.14	0.195	14.49	15.10	1.151	96.26	1.039	0.233	/
13	Level5		Left Cheek	0	52	5260	-0.08	0.213	13.51	14.10	1.146	96.26	1.039	0.254	/
	Level5		Left Tilt	0	52	5260	0.18	0.241	13.51	14.10	1.146	96.26	1.039	0.287	/
	Level5		Right Cheek	0	52	5260	0.11	0.135	13.51	14.10	1.146	96.26	1.039	0.161	/
	Level6		Right Tilt	0	52	5260	0.05	0.128	13.51	14.10	1.146	96.26	1.039	0.152	/
	Level6		Left Cheek	0	52	5260	-0.01	0.175	12.52	13.10	1.143	96.26	1.039	0.208	/
	Level6		Left Tilt	0	52	5260	-0.1	0.206	12.52	13.10	1.143	96.26	1.039	0.245	/
	Level6		Right Cheek	0	52	5260	-0.01	0.109	12.52	13.10	1.143	96.26	1.039	0.129	/
	Level7		Right Tilt	0	52	5260	-0.08	0.081	12.52	13.10	1.143	96.26	1.039	0.096	/
	Level7		Left Cheek	0	52	5260	0.08	0.103	10.38	11.10	1.180	96.26	1.039	0.126	/
	Level7		Left Tilt	0	52	5260	-0.16	0.121	10.38	11.10	1.180	96.26	1.039	0.148	/
	Level7		Right Cheek	0	52	5260	-0.06	0.065	10.38	11.10	1.180	96.26	1.039	0.080	/
	Level7		Right Tilt	0	52	5260	-0.15	0.074	10.38	11.10	1.180	96.26	1.039	0.091	/
Head 5.6G WALN															
	Leve1		Left Cheek	0	140	5700	-0.15	0.696	14.38	15.10	1.180	96.26	1.039	0.853	/
	Leve1	802.	Left Tilt	0	140	5700	-0.08	0.526	14.38	15.10	1.180	96.26	1.039	0.645	/
	Leve1	11a	Right Cheek	0	140	5700	0.17	0.333	14.38	15.10	1.180	96.26	1.039	0.408	/
Ant.9	Leve1		Right Tilt	0	140	5700	0.1	0.325	14.38	15.10	1.180	96.26	1.039	0.398	/
	Level2		Left Cheek	0	140	5700	-0.16	0.423	12.35	13.10	1.189	96.26	1.039	0.523	/
	Level2		Left Tilt	0	140	5700	0.06	0.312	12.35	13.10	1.189	96.26	1.039	0.385	/

	Level2		Right Cheek	0	140	5700	0.03	0.206	12.35	13.10	1.189	96.26	1.039	0.254	/
	Level2		Right Tilt	0	140	5700	-0.18	0.188	12.35	13.10	1.189	96.26	1.039	0.232	/
	Level3&4		Left Cheek	0	140	5700	-0.04	0.323	11.31	12.10	1.199	96.26	1.039	0.402	/
	Level3&4		Left Tilt	0	140	5700	-0.18	0.236	11.31	12.10	1.199	96.26	1.039	0.294	/
	Level3&4		Right Cheek	0	140	5700	-0.16	0.156	11.31	12.10	1.199	96.26	1.039	0.194	/
	Level3&4		Right Tilt	0	140	5700	0.19	0.136	11.31	12.10	1.199	96.26	1.039	0.169	/
	Level5		Left Cheek	0	140	5700	-0.07	0.256	10.28	11.10	1.208	96.26	1.039	0.321	/
	Level5		Left Tilt	0	140	5700	-0.15	0.184	10.28	11.10	1.208	96.26	1.039	0.231	/
	Level5		Right Cheek	0	140	5700	-0.02	0.123	10.28	11.10	1.208	96.26	1.039	0.154	/
	Level6		Right Tilt	0	140	5700	-0.14	0.091	10.28	11.10	1.208	96.26	1.039	0.114	/
	Level6		Left Cheek	0	140	5700	0.17	0.206	9.35	10.10	1.189	96.26	1.039	0.254	/
	Level6		Left Tilt	0	140	5700	0.1	0.143	9.35	10.10	1.189	96.26	1.039	0.177	/
	Level6		Right Cheek	0	140	5700	0.11	0.101	9.35	10.10	1.189	96.26	1.039	0.125	/
	Level7		Right Tilt	0	140	5700	0.02	0.058	9.35	10.10	1.189	96.26	1.039	0.072	/
	Level7		Left Cheek	0	140	5700	-0.18	0.122	7.45	8.10	1.161	96.26	1.039	0.147	/
	Level7		Left Tilt	0	140	5700	0.08	0.095	7.45	8.10	1.161	96.26	1.039	0.115	/
	Level7		Right Cheek	0	140	5700	-0.19	0.061	7.45	8.10	1.161	96.26	1.039	0.074	/
	Level7		Right Tilt	0	140	5700	0.07	0.053	7.45	8.10	1.161	96.26	1.039	0.064	/
Ant.13	Leve1	802.11a	Left Cheek	0	140	5700	0.02	0.160	14.70	15.10	1.096	96.26	1.039	0.182	/
	Leve1		Left Tilt	0	140	5700	-0.1	0.146	14.70	15.10	1.096	96.26	1.039	0.166	/
	Leve1		Right Cheek	0	140	5700	-0.07	0.063	14.70	15.10	1.096	96.26	1.039	0.072	/
	Leve1		Right Tilt	0	140	5700	0.09	0.074	14.70	15.10	1.096	96.26	1.039	0.084	/
	Level2		Left Cheek	0	140	5700	-0.1	0.095	12.65	13.10	1.109	96.26	1.039	0.109	/
	Level2		Left Tilt	0	140	5700	-0.09	0.089	12.65	13.10	1.109	96.26	1.039	0.103	/
	Level2		Right Cheek	0	140	5700	0.03	0.038	12.65	13.10	1.109	96.26	1.039	0.044	/
	Level2		Right Tilt	0	140	5700	0.13	0.041	12.65	13.10	1.109	96.26	1.039	0.047	/
	Level3&4		Left Cheek	0	140	5700	-0.18	0.075	11.67	12.10	1.104	96.26	1.039	0.086	/
	Level3&4		Left Tilt	0	140	5700	0.15	0.071	11.67	12.10	1.104	96.26	1.039	0.081	/
	Level3&4		Right Cheek	0	140	5700	0.12	0.032	11.67	12.10	1.104	96.26	1.039	0.037	/
	Level3&4		Right Tilt	0	140	5700	-0.19	0.035	11.67	12.10	1.104	96.26	1.039	0.040	/
	Level5		Left Cheek	0	140	5700	0.17	0.061	10.47	11.10	1.156	96.26	1.039	0.073	/
	Level5		Left Tilt	0	140	5700	0.17	0.055	10.47	11.10	1.156	96.26	1.039	0.066	/
	Level5		Right Cheek	0	140	5700	-0.15	0.023	10.47	11.10	1.156	96.26	1.039	0.028	/
	Level5		Right Tilt	0	140	5700	0.09	0.027	10.47	11.10	1.156	96.26	1.039	0.032	/
	Level6		Left Cheek	0	140	5700	-0.18	0.052	9.39	10.10	1.178	96.26	1.039	0.064	/
	Level6		Left Tilt	0	140	5700	-0.17	0.045	9.39	10.10	1.178	96.26	1.039	0.055	/
	Level6		Right Cheek	0	140	5700	-0.14	0.018	9.39	10.10	1.178	96.26	1.039	0.022	/
	Level6		Right Tilt	0	140	5700	0.08	0.021	9.39	10.10	1.178	96.26	1.039	0.026	/
	Level7		Left Cheek	0	140	5700	-0.05	0.031	7.37	8.10	1.183	96.26	1.039	0.038	/
	Level7		Left Tilt	0	140	5700	0.14	0.025	7.37	8.10	1.183	96.26	1.039	0.031	/
	Level7		Right Cheek	0	140	5700	-0.17	0.012	7.37	8.10	1.183	96.26	1.039	0.015	/
	Level7		Right Tilt	0	140	5700	0.08	0.011	7.37	8.10	1.183	96.26	1.039	0.014	/
Ant.9&	Leve1	802.	Left Cheek	0	140	5700	0.02	0.885	17.55	18.10	1.135	96.26	1.039	1.044	/

13	Leve1	11a	Left Tilt	0	140	5700	-0.08	0.623	17.55	18.10	1.135	96.26	1.039	0.735	/
	Leve1	802.	Right Cheek	0	140	5700	0.17	0.356	17.55	18.10	1.135	96.26	1.039	0.420	/
	Leve1	11a	Right Tilt	0	140	5700	-0.17	0.411	17.55	18.10	1.135	96.26	1.039	0.485	/
	Leve1		Left Cheek	0	100	5500	0.14	0.858	17.50	18.10	1.148	96.26	1.039	1.023	/
	Leve1		Left Cheek	0	116	5580	0.05	0.998	17.49	18.10	1.151	96.26	1.039	1.193	80#
	Level2		Left Cheek	0	140	5700	0	0.488	15.51	16.10	1.146	96.26	1.039	0.581	/
	Level2		Left Tilt	0	140	5700	0.18	0.345	15.51	16.10	1.146	96.26	1.039	0.411	/
	Level2		Right Cheek	0	140	5700	0.04	0.206	15.51	16.10	1.146	96.26	1.039	0.245	/
	Level2		Right Tilt	0	140	5700	0.14	0.223	15.51	16.10	1.146	96.26	1.039	0.266	/
	Level3&4		Left Cheek	0	140	5700	-0.03	0.385	14.50	15.10	1.148	96.26	1.039	0.459	/
	Level3&4		Left Tilt	0	140	5700	0.09	0.271	14.50	15.10	1.148	96.26	1.039	0.323	/
	Level3&4		Right Cheek	0	140	5700	0.18	0.163	14.50	15.10	1.148	96.26	1.039	0.194	/
	Level3&4		Right Tilt	0	140	5700	-0.19	0.174	14.50	15.10	1.148	96.26	1.039	0.208	/
	Level5		Left Cheek	0	140	5700	0.11	0.302	13.39	14.10	1.178	96.26	1.039	0.370	/
	Level5		Left Tilt	0	140	5700	0	0.216	13.39	14.10	1.178	96.26	1.039	0.264	/
	Level5		Right Cheek	0	140	5700	0.05	0.122	13.39	14.10	1.178	96.26	1.039	0.149	/
	Level5		Right Tilt	0	140	5700	0.18	0.135	13.39	14.10	1.178	96.26	1.039	0.165	/
	Level6		Left Cheek	0	140	5700	-0.07	0.232	12.38	13.10	1.180	96.26	1.039	0.284	/
	Level6		Left Tilt	0	140	5700	-0.15	0.175	12.38	13.10	1.180	96.26	1.039	0.215	/
	Level6		Right Cheek	0	140	5700	-0.06	0.101	12.38	13.10	1.180	96.26	1.039	0.124	/
	Level6		Right Tilt	0	140	5700	0.09	0.123	12.38	13.10	1.180	96.26	1.039	0.151	/
	Level7		Left Cheek	0	140	5700	-0.17	0.142	10.42	11.10	1.169	96.26	1.039	0.172	/
	Level7		Left Tilt	0	140	5700	-0.16	0.106	10.42	11.10	1.169	96.26	1.039	0.129	/
	Level7		Right Cheek	0	140	5700	-0.19	0.065	10.42	11.10	1.169	96.26	1.039	0.079	/
	Level7		Right Tilt	0	140	5700	0.06	0.069	10.42	11.10	1.169	96.26	1.039	0.084	/
Head 5.8G WALN															
	Leve1		Left Cheek	0	165	5825	0.01	0.706	14.13	15.10	1.250	96.26	1.039	0.917	/
	Leve1		Left Tilt	0	165	5825	-0.18	0.596	14.13	15.10	1.250	96.26	1.039	0.774	/
	Leve1		Right Cheek	0	165	5825	0.19	0.326	14.13	15.10	1.250	96.26	1.039	0.423	/
	Leve1		Right Tilt	0	165	5825	-0.14	0.304	14.13	15.10	1.250	96.26	1.039	0.395	/
	Leve1		Left Cheek	0	149	5745	0.19	0.767	14.12	15.10	1.253	96.26	1.039	0.999	/
	Leve1		Left Cheek	0	157	5785	-0.05	0.713	14.10	15.10	1.259	96.26	1.039	0.933	/
	Level2		Left Cheek	0	165	5825	-0.02	0.434	12.11	13.10	1.256	96.26	1.039	0.566	/
	Level2	802.	Left Tilt	0	165	5825	-0.15	0.355	12.11	13.10	1.256	96.26	1.039	0.463	/
Ant.9	Level2	11a	Right Cheek	0	165	5825	0.07	0.195	12.11	13.10	1.256	96.26	1.039	0.254	/
	Level2		Right Tilt	0	165	5825	0.1	0.183	12.11	13.10	1.256	96.26	1.039	0.239	/
	Level3&4		Left Cheek	0	165	5825	0.04	0.347	11.13	12.10	1.250	96.26	1.039	0.451	/
	Level3&4		Left Tilt	0	165	5825	0.13	0.285	11.13	12.10	1.250	96.26	1.039	0.370	/
	Level3&4		Right Cheek	0	165	5825	0.08	0.158	11.13	12.10	1.250	96.26	1.039	0.205	/
	Level3&4		Right Tilt	0	165	5825	-0.02	0.144	11.13	12.10	1.250	96.26	1.039	0.187	/
	Level5		Left Cheek	0	165	5825	0.15	0.274	10.16	11.10	1.242	96.26	1.039	0.354	/
	Level5		Left Tilt	0	165	5825	-0.12	0.223	10.16	11.10	1.242	96.26	1.039	0.288	/
	Level5		Right Cheek	0	165	5825	-0.08	0.121	10.16	11.10	1.242	96.26	1.039	0.156	/

	Level5		Right Tilt	0	165	5825	-0.16	0.116	10.16	11.10	1.242	96.26	1.039	0.150	/
	Level6		Left Cheek	0	165	5825	0.14	0.212	9.45	10.10	1.161	96.26	1.039	0.256	/
	Level6		Left Tilt	0	165	5825	0.07	0.174	9.45	10.10	1.161	96.26	1.039	0.210	/
	Level6		Right Cheek	0	165	5825	-0.07	0.095	9.45	10.10	1.161	96.26	1.039	0.115	/
	Level6		Right Tilt	0	165	5825	-0.19	0.089	9.45	10.10	1.161	96.26	1.039	0.107	/
	Level7		Left Cheek	0	165	5825	0.17	0.132	7.22	8.10	1.225	96.26	1.039	0.168	/
	Level7		Left Tilt	0	165	5825	0.06	0.106	7.22	8.10	1.225	96.26	1.039	0.135	/
	Level7		Right Cheek	0	165	5825	0.17	0.062	7.22	8.10	1.225	96.26	1.039	0.079	/
	Level7		Right Tilt	0	165	5825	-0.05	0.058	7.22	8.10	1.225	96.26	1.039	0.074	/
Ant.13	Leve1	802.11a	Left Cheek	0	165	5825	-0.16	0.136	14.36	15.10	1.186	96.26	1.039	0.168	/
	Leve1		Left Tilt	0	165	5825	-0.04	0.075	14.36	15.10	1.186	96.26	1.039	0.092	/
	Leve1		Right Cheek	0	165	5825	0.13	0.106	14.36	15.10	1.186	96.26	1.039	0.131	/
	Leve1		Right Tilt	0	165	5825	-0.1	0.103	14.36	15.10	1.186	96.26	1.039	0.127	/
	Level2		Left Cheek	0	165	5825	-0.15	0.085	12.35	13.10	1.189	96.26	1.039	0.105	/
	Level2		Left Tilt	0	165	5825	-0.11	0.041	12.35	13.10	1.189	96.26	1.039	0.051	/
	Level2		Right Cheek	0	165	5825	-0.02	0.065	12.35	13.10	1.189	96.26	1.039	0.080	/
	Level2		Right Tilt	0	165	5825	0.04	0.062	12.35	13.10	1.189	96.26	1.039	0.077	/
	Level3&4		Left Cheek	0	165	5825	-0.1	0.063	11.33	12.10	1.194	96.26	1.039	0.078	/
	Level3&4		Left Tilt	0	165	5825	-0.04	0.032	11.33	12.10	1.194	96.26	1.039	0.040	/
	Level3&4		Right Cheek	0	165	5825	0.08	0.051	11.33	12.10	1.194	96.26	1.039	0.063	/
	Level3&4		Right Tilt	0	165	5825	0.05	0.048	11.33	12.10	1.194	96.26	1.039	0.060	/
	Level5		Left Cheek	0	165	5825	0.11	0.051	10.24	11.10	1.219	96.26	1.039	0.065	/
	Level5		Left Tilt	0	165	5825	0.03	0.026	10.24	11.10	1.219	96.26	1.039	0.033	/
	Level5		Right Cheek	0	165	5825	0.13	0.038	10.24	11.10	1.219	96.26	1.039	0.048	/
	Level5		Right Tilt	0	165	5825	-0.17	0.042	10.24	11.10	1.219	96.26	1.039	0.053	/
	Level6		Left Cheek	0	165	5825	-0.19	0.041	9.51	10.10	1.146	96.26	1.039	0.049	/
	Level6		Left Tilt	0	165	5825	-0.19	0.021	9.51	10.10	1.146	96.26	1.039	0.025	/
	Level6		Right Cheek	0	165	5825	0.13	0.031	9.51	10.10	1.146	96.26	1.039	0.037	/
	Level6		Right Tilt	0	165	5825	-0.19	0.028	9.51	10.10	1.146	96.26	1.039	0.033	/
	Level7		Left Cheek	0	165	5825	0.19	0.025	7.29	8.10	1.205	96.26	1.039	0.031	/
	Level7		Left Tilt	0	165	5825	-0.08	0.013	7.29	8.10	1.205	96.26	1.039	0.016	/
	Level7		Right Cheek	0	165	5825	-0.15	0.019	7.29	8.10	1.205	96.26	1.039	0.024	/
	Level7		Right Tilt	0	165	5825	0.13	0.017	7.29	8.10	1.205	96.26	1.039	0.021	/
Ant.9&13	Leve1	802.11a	Left Cheek	0	165	5825	-0.15	0.785	17.26	18.10	1.213	96.26	1.039	0.989	/
	Leve1		Left Tilt	0	165	5825	-0.04	0.643	17.26	18.10	1.213	96.26	1.039	0.810	/
	Leve1		Right Cheek	0	165	5825	-0.05	0.316	17.26	18.10	1.213	96.26	1.039	0.398	/
	Leve1		Right Tilt	0	165	5825	0.12	0.355	17.26	18.10	1.213	96.26	1.039	0.447	/
	Leve1		Left Cheek	0	149	5745	-0.01	0.864	17.24	18.10	1.219	96.26	1.039	1.094	81#
	Leve1		Left Cheek	0	157	5785	0.03	0.811	17.20	18.10	1.230	96.26	1.039	1.036	/
	Level2		Left Cheek	0	165	5825	-0.04	0.488	15.24	16.10	1.219	96.26	1.039	0.618	/
	Level2		Left Tilt	0	165	5825	0.04	0.406	15.24	16.10	1.219	96.26	1.039	0.514	/
	Level2		Right Cheek	0	165	5825	-0.05	0.201	15.24	16.10	1.219	96.26	1.039	0.255	/
	Level2		Right Tilt	0	165	5825	-0.08	0.216	15.24	16.10	1.219	96.26	1.039	0.274	/

	Level3&4		Left Cheek	0	165	5825	-0.11	0.388	14.24	15.10	1.219	96.26	1.039	0.491	/
	Level3&4		Left Tilt	0	165	5825	-0.13	0.312	14.24	15.10	1.219	96.26	1.039	0.395	/
	Level3&4		Right Cheek	0	165	5825	-0.18	0.157	14.24	15.10	1.219	96.26	1.039	0.199	/
	Level3&4		Right Tilt	0	165	5825	0.01	0.174	14.24	15.10	1.219	96.26	1.039	0.220	/
	Level5		Left Cheek	0	165	5825	-0.09	0.306	13.21	14.10	1.227	96.26	1.039	0.390	/
	Level5		Left Tilt	0	165	5825	0.06	0.244	13.21	14.10	1.227	96.26	1.039	0.311	/
	Level5		Right Cheek	0	165	5825	-0.09	0.116	13.21	14.10	1.227	96.26	1.039	0.148	/
	Level5		Right Tilt	0	165	5825	0.02	0.135	13.21	14.10	1.227	96.26	1.039	0.172	/
	Level6		Left Cheek	0	165	5825	-0.14	0.247	12.49	13.10	1.151	96.26	1.039	0.295	/
	Level6		Left Tilt	0	165	5825	-0.19	0.201	12.49	13.10	1.151	96.26	1.039	0.240	/
	Level6		Right Cheek	0	165	5825	0.13	0.098	12.49	13.10	1.151	96.26	1.039	0.117	/
	Level6		Right Tilt	0	165	5825	-0.07	0.106	12.49	13.10	1.151	96.26	1.039	0.127	/
	Level7		Left Cheek	0	165	5825	0.18	0.154	10.27	11.10	1.211	96.26	1.039	0.194	/
	Level7		Left Tilt	0	165	5825	-0.13	0.121	10.27	11.10	1.211	96.26	1.039	0.152	/
	Level7		Right Cheek	0	165	5825	0.16	0.061	10.27	11.10	1.211	96.26	1.039	0.077	/
	Level7		Right Tilt	0	165	5825	-0.1	0.071	10.27	11.10	1.211	96.26	1.039	0.089	/
'Body-worm(Open) 5.3G WLAN															
Ant.9	Level8	802.	Front Side	15	52	5260	0.07	0.076	16.34	17.10	1.191	96.26	1.039	0.094	/
	Level8	11a	Back Side	15	52	5260	-0.16	0.150	16.34	17.10	1.191	96.26	1.039	0.186	/
Ant.13	Level8	802.	Front Side	15	52	5260	-0.15	0.021	16.77	17.10	1.079	96.26	1.039	0.024	/
	Level8	11a	Back Side	15	52	5260	-0.14	0.233	16.77	17.10	1.079	96.26	1.039	0.261	/
Ant.9&	Level8	802.	Front Side	15	52	5260	0.11	0.102	19.57	20.10	1.130	96.26	1.039	0.120	/
13	Level8	11a	Back Side	15	52	5260	0.06	0.351	19.57	20.10	1.130	96.26	1.039	0.412	82#
'Body-worm(Open) 5.6G WLAN															
Ant.9	Level8	802.	Front Side	15	140	5700	0.16	0.085	15.80	17.10	1.349	96.26	1.039	0.119	/
	Level8	11a	Back Side	15	140	5700	0.18	0.121	15.80	17.10	1.349	96.26	1.039	0.170	/
Ant.13	Level8	802.	Front Side	15	140	5700	0.14	0.023	16.94	17.10	1.038	96.26	1.039	0.025	/
	Level8	11a	Back Side	15	140	5700	-0.02	0.285	16.94	17.10	1.038	96.26	1.039	0.307	/
Ant.9&	Level8	802.	Front Side	15	140	5700	-0.06	0.112	19.42	20.10	1.169	96.26	1.039	0.136	/
13	Level8	11a	Back Side	15	140	5700	-0.02	0.387	19.42	20.10	1.169	96.26	1.039	0.470	83#
'Body-worm(Open) 5.8G WLAN															
Ant.9	Level8	802.	Front Side	15	149	5745	0.07	0.096	16.10	17.10	1.259	96.26	1.039	0.126	/
	Level8	11a	Back Side	15	149	5745	-0.05	0.152	16.10	17.10	1.259	96.26	1.039	0.199	/
Ant.13	Level8	802.	Front Side	15	165	5825	0.18	0.055	16.32	17.10	1.197	96.26	1.039	0.068	/
	Level8	11a	Back Side	15	165	5825	0.09	0.259	16.32	17.10	1.197	96.26	1.039	0.322	/
Ant.9&	Level8	802.	Front Side	15	149	5745	-0.05	0.108	19.22	20.10	1.225	96.26	1.039	0.137	/
13	Level8	11a	Back Side	15	149	5745	0.17	0.355	19.22	20.10	1.225	96.26	1.039	0.452	84#
'Body-worm(Close) 5.3G WLAN															
Ant.9	Level8	802.	Front Side	15	52	5260	-0.14	0.155	16.34	17.10	1.191	96.26	1.039	0.192	/
	Level8	11a	Back Side	15	52	5260	0.02	0.023	16.34	17.10	1.191	96.26	1.039	0.028	/
Ant.13	Level8	802.	Front Side	15	52	5260	-0.06	0.265	16.77	17.10	1.079	96.26	1.039	0.297	/
	Level8	11a	Back Side	15	52	5260	0.08	0.044	16.77	17.10	1.079	96.26	1.039	0.049	/
Ant.9&	Level8	802.	Front Side	15	52	5260	-0.07	0.315	19.57	20.10	1.130	96.26	1.039	0.370	/

13	Level8	11a	Back Side	15	52	5260	-0.14	0.056	19.57	20.10	1.130	96.26	1.039	0.066	/
'Body-worm(Close) 5.6G WLAN															
Ant.9	Level8	802.	Front Side	15	140	5700	-0.03	0.126	15.80	17.10	1.349	96.26	1.039	0.177	/
	Level8	11a	Back Side	15	140	5700	-0.06	0.041	15.80	17.10	1.349	96.26	1.039	0.057	/
Ant.13	Level8	802.	Front Side	15	140	5700	0.02	0.323	16.94	17.10	1.038	96.26	1.039	0.348	/
	Level8	11a	Back Side	15	140	5700	-0.13	0.056	16.94	17.10	1.038	96.26	1.039	0.060	/
Ant.9&	Level8	802.	Front Side	15	140	5700	-0.06	0.382	19.42	20.10	1.169	96.26	1.039	0.464	/
13	Level8	11a	Back Side	15	140	5700	0.09	0.021	19.42	20.10	1.169	96.26	1.039	0.026	/
'Body-worm(Close) 5.8G WLAN															
Ant.9	Level8	802.	Front Side	15	149	5745	0.01	0.086	16.10	17.10	1.259	96.26	1.039	0.112	/
	Level8	11a	Back Side	15	149	5745	0.1	0.031	16.10	17.10	1.259	96.26	1.039	0.041	/
Ant.13	Level8	802.	Front Side	15	165	5825	0.04	0.206	16.32	17.10	1.197	96.26	1.039	0.256	/
	Level8	11a	Back Side	15	165	5825	0.04	0.022	16.32	17.10	1.197	96.26	1.039	0.027	/
Ant.9&	Level8	802.	Front Side	15	149	5745	0.07	0.273	19.22	20.10	1.225	96.26	1.039	0.347	/
13	Level8	11a	Back Side	15	149	5745	-0.15	0.031	19.22	20.10	1.225	96.26	1.039	0.039	/
Hotspot(Open) 5.2G WLAN															
Ant.9	Level9&10&11	802. 11a	Front Side	10	36	5180	0.04	0.050	12.34	13.10	1.191	96.26	1.039	0.062	/
	Level9&10&11		Back Side	10	36	5180	-0.15	0.088	12.34	13.10	1.191	96.26	1.039	0.109	/
	Level9&10&11		Left Edge	10	36	5180	0.18	0.021	12.34	13.10	1.191	96.26	1.039	0.026	/
	Level12&13		Front Side	10	36	5180	0.18	0.035	11.45	12.10	1.161	96.26	1.039	0.042	/
	Level12&13		Back Side	10	36	5180	0.05	0.063	11.45	12.10	1.161	96.26	1.039	0.076	/
	Level12&13		Left Edge	10	36	5180	-0.07	0.015	11.45	12.10	1.161	96.26	1.039	0.018	/
	Level14		Front Side	10	36	5180	-0.16	0.023	8.62	9.10	1.117	96.26	1.039	0.027	/
	Level14		Back Side	10	36	5180	0	0.031	8.62	9.10	1.117	96.26	1.039	0.036	/
	Level14		Left Edge	10	36	5180	0.1	0.008	8.62	9.10	1.117	96.26	1.039	0.009	/
Ant.13	Level9&10&11	802. 11a	Front Side	10	36	5180	0.06	0.016	12.13	13.10	1.250	96.26	1.039	0.021	/
	Level9&10&11		Back Side	10	36	5180	-0.13	0.173	12.13	13.10	1.250	96.26	1.039	0.225	/
	Level9&10&11		Left Edge	10	36	5180	0.11	0.023	12.13	13.10	1.250	96.26	1.039	0.030	/
	Level9&10&11		Top Edge	10	36	5180	-0.05	0.019	12.13	13.10	1.250	96.26	1.039	0.025	/
	Level12&13		Front Side	10	36	5180	0.03	0.012	11.38	12.10	1.180	96.26	1.039	0.015	/
	Level12&13		Back Side	10	36	5180	-0.19	0.125	11.38	12.10	1.180	96.26	1.039	0.153	/
	Level12&13		Left Edge	10	36	5180	0.08	0.016	11.38	12.10	1.180	96.26	1.039	0.020	/
	Level12&13		Top Edge	10	36	5180	-0.1	0.014	11.38	12.10	1.180	96.26	1.039	0.017	/
	Level14		Front Side	10	36	5180	0.17	0.006	8.55	9.10	1.135	96.26	1.039	0.007	/
	Level14		Back Side	10	36	5180	-0.01	0.065	8.55	9.10	1.135	96.26	1.039	0.077	/
	Level14		Left Edge	10	36	5180	-0.14	0.006	8.55	9.10	1.135	96.26	1.039	0.007	/
	Level14		Top Edge	10	36	5180	-0.13	0.005	8.55	9.10	1.135	96.26	1.039	0.006	/
Ant.9& 13	Level9&10&11	802. 11a	Front Side	10	36	5180	0.02	0.058	15.25	16.10	1.216	96.26	1.039	0.073	/
	Level9&10&11		Back Side	10	36	5180	0.15	0.295	15.25	16.10	1.216	96.26	1.039	0.373	/
	Level9&10&11		Left Edge	10	36	5180	0.03	0.048	15.25	16.10	1.216	96.26	1.039	0.061	/
	Level9&10&11		Top Edge	10	36	5180	-0.15	0.202	15.25	16.10	1.216	96.26	1.039	0.255	/
	Level12&13		Front Side	10	36	5180	-0.13	0.042	14.43	15.10	1.167	96.26	1.039	0.051	/
	Level12&13		Back Side	10	36	5180	-0.11	0.226	14.43	15.10	1.167	96.26	1.039	0.274	/

	Level12&13		Left Edge	10	36	5180	-0.12	0.038	14.43	15.10	1.167	96.26	1.039	0.046	/
	Level12&13		Top Edge	10	36	5180	-0.01	0.155	14.43	15.10	1.167	96.26	1.039	0.188	/
	Level14		Front Side	10	36	5180	-0.07	0.021	11.60	12.10	1.122	96.26	1.039	0.024	/
	Level14		Back Side	10	36	5180	-0.02	0.106	11.60	12.10	1.122	96.26	1.039	0.124	/
	Level14		Left Edge	10	36	5180	-0.03	0.018	11.60	12.10	1.122	96.26	1.039	0.021	/
	Level14		Top Edge	10	36	5180	0.14	0.075	11.60	12.10	1.122	96.26	1.039	0.087	/
'Body-worm(Open) 5.3G WLAN															
Ant.9	Level8	802.	Front Side	15	52	5260	0.07	0.076	16.34	17.10	1.191	96.26	1.039	0.094	/
	Level8	11a	Back Side	15	52	5260	-0.16	0.150	16.34	17.10	1.191	96.26	1.039	0.186	/
Ant.13	Level8	802.	Front Side	15	52	5260	-0.15	0.021	16.77	17.10	1.079	96.26	1.039	0.024	/
	Level8	11a	Back Side	15	52	5260	-0.14	0.233	16.77	17.10	1.079	96.26	1.039	0.261	/
Ant.9&	Level8	802.	Front Side	15	52	5260	0.11	0.102	19.57	20.10	1.130	96.26	1.039	0.120	/
13	Level8	11a	Back Side	15	52	5260	0.06	0.351	19.57	20.10	1.130	96.26	1.039	0.412	/
'Body-worm(Open) 5.6G WLAN															
Ant.9	Level8	802.	Front Side	15	140	5700	0.16	0.085	15.80	17.10	1.349	96.26	1.039	0.119	/
	Level8	11a	Back Side	15	140	5700	0.18	0.121	15.80	17.10	1.349	96.26	1.039	0.170	/
Ant.13	Level8	802.	Front Side	15	140	5700	0.14	0.023	16.94	17.10	1.038	96.26	1.039	0.025	/
	Level8	11a	Back Side	15	140	5700	-0.02	0.285	16.94	17.10	1.038	96.26	1.039	0.307	/
Ant.9&	Level8	802.	Front Side	15	140	5700	-0.06	0.112	19.42	20.10	1.169	96.26	1.039	0.136	/
13	Level8	11a	Back Side	15	140	5700	-0.02	0.387	19.42	20.10	1.169	96.26	1.039	0.470	82#
'Body-worm(Open) 5.8G WLAN															
Ant.9	Level8	802.	Front Side	15	149	5745	0.07	0.096	16.10	17.10	1.259	96.26	1.039	0.126	/
	Level8	11a	Back Side	15	149	5745	-0.05	0.152	16.10	17.10	1.259	96.26	1.039	0.199	/
Ant.13	Level8	802.	Front Side	15	165	5825	0.18	0.055	16.32	17.10	1.197	96.26	1.039	0.068	/
	Level8	11a	Back Side	15	165	5825	0.09	0.259	16.32	17.10	1.197	96.26	1.039	0.322	/
Ant.9&	Level8	802.	Front Side	15	149	5745	-0.05	0.108	19.22	20.10	1.225	96.26	1.039	0.137	/
13	Level8	11a	Back Side	15	149	5745	0.17	0.355	19.22	20.10	1.225	96.26	1.039	0.452	/
'Body-worm(Close) 5.3G WLAN															
Ant.9	Level8	802.	Front Side	15	52	5260	-0.14	0.155	16.34	17.10	1.191	96.26	1.039	0.192	/
	Level8	11a	Back Side	15	52	5260	0.02	0.023	16.34	17.10	1.191	96.26	1.039	0.028	/
Ant.13	Level8	802.	Front Side	15	52	5260	-0.06	0.265	16.77	17.10	1.079	96.26	1.039	0.297	/
	Level8	11a	Back Side	15	52	5260	0.08	0.044	16.77	17.10	1.079	96.26	1.039	0.049	/
Ant.9&	Level8	802.	Front Side	15	52	5260	-0.07	0.315	19.57	20.10	1.130	96.26	1.039	0.370	/
13	Level8	11a	Back Side	15	52	5260	-0.14	0.056	19.57	20.10	1.130	96.26	1.039	0.066	/
'Body-worm(Close) 5.6G WLAN															
Ant.9	Level8	802.	Front Side	15	140	5700	-0.03	0.126	15.80	17.10	1.349	96.26	1.039	0.177	/
	Level8	11a	Back Side	15	140	5700	-0.06	0.041	15.80	17.10	1.349	96.26	1.039	0.057	/
Ant.13	Level8	802.	Front Side	15	140	5700	0.02	0.323	16.94	17.10	1.038	96.26	1.039	0.348	/
	Level8	11a	Back Side	15	140	5700	-0.13	0.056	16.94	17.10	1.038	96.26	1.039	0.060	/
Ant.9&	Level8	802.	Front Side	15	140	5700	-0.06	0.382	19.42	20.10	1.169	96.26	1.039	0.464	/
13	Level8	11a	Back Side	15	140	5700	0.09	0.021	19.42	20.10	1.169	96.26	1.039	0.026	/
'Body-worm(Close) 5.8G WLAN															
Ant.9	Level8	802.	Front Side	15	149	5745	0.01	0.086	16.10	17.10	1.259	96.26	1.039	0.112	/

	Level8	11a	Back Side	15	149	5745	0.1	0.031	16.10	17.10	1.259	96.26	1.039	0.041	/
Ant.13	Level8	802.	Front Side	15	165	5825	0.04	0.206	16.32	17.10	1.197	96.26	1.039	0.256	/
	Level8	11a	Back Side	15	165	5825	0.04	0.022	16.32	17.10	1.197	96.26	1.039	0.027	/
Ant.9&	Level8	802.	Front Side	15	149	5745	0.07	0.273	19.22	20.10	1.225	96.26	1.039	0.347	/
13	Level8	11a	Back Side	15	149	5745	-0.15	0.031	19.22	20.10	1.225	96.26	1.039	0.039	/
Hotspot(Open) 5.2G WLAN															
Ant.9	Level9&10&11	802. 11a	Front Side	10	36	5180	0.04	0.050	12.34	13.10	1.191	96.26	1.039	0.062	/
	Level9&10&11		Back Side	10	36	5180	-0.15	0.088	12.34	13.10	1.191	96.26	1.039	0.109	/
	Level9&10&11		Left Edge	10	36	5180	0.18	0.021	12.34	13.10	1.191	96.26	1.039	0.026	/
	Level12&13		Front Side	10	36	5180	0.18	0.035	11.45	12.10	1.161	96.26	1.039	0.042	/
	Level12&13		Back Side	10	36	5180	0.05	0.063	11.45	12.10	1.161	96.26	1.039	0.076	/
	Level12&13		Left Edge	10	36	5180	-0.07	0.015	11.45	12.10	1.161	96.26	1.039	0.018	/
	Level14		Front Side	10	36	5180	-0.16	0.023	8.62	9.10	1.117	96.26	1.039	0.027	/
	Level14		Back Side	10	36	5180	0	0.031	8.62	9.10	1.117	96.26	1.039	0.036	/
	Level14		Left Edge	10	36	5180	0.1	0.008	8.62	9.10	1.117	96.26	1.039	0.009	/
Ant.13	Level9&10&11	802. 11a	Front Side	10	36	5180	0.06	0.016	12.13	13.10	1.250	96.26	1.039	0.021	/
	Level9&10&11		Back Side	10	36	5180	-0.13	0.173	12.13	13.10	1.250	96.26	1.039	0.225	/
	Level9&10&11		Left Edge	10	36	5180	0.11	0.023	12.13	13.10	1.250	96.26	1.039	0.030	/
	Level9&10&11		Top Edge	10	36	5180	-0.05	0.019	12.13	13.10	1.250	96.26	1.039	0.025	/
	Level12&13		Front Side	10	36	5180	0.03	0.012	11.38	12.10	1.180	96.26	1.039	0.015	/
	Level12&13		Back Side	10	36	5180	-0.19	0.125	11.38	12.10	1.180	96.26	1.039	0.153	/
	Level12&13		Left Edge	10	36	5180	0.08	0.016	11.38	12.10	1.180	96.26	1.039	0.020	/
	Level12&13		Top Edge	10	36	5180	-0.1	0.014	11.38	12.10	1.180	96.26	1.039	0.017	/
	Level14		Front Side	10	36	5180	0.17	0.006	8.55	9.10	1.135	96.26	1.039	0.007	/
	Level14		Back Side	10	36	5180	-0.01	0.065	8.55	9.10	1.135	96.26	1.039	0.077	/
	Level14		Left Edge	10	36	5180	-0.14	0.006	8.55	9.10	1.135	96.26	1.039	0.007	/
	Level14		Top Edge	10	36	5180	-0.13	0.005	8.55	9.10	1.135	96.26	1.039	0.006	/
Ant.9& 13	Level9&10&11	802. 11a	Front Side	10	36	5180	0.02	0.058	15.25	16.10	1.216	96.26	1.039	0.073	/
	Level9&10&11		Back Side	10	36	5180	0.15	0.295	15.25	16.10	1.216	96.26	1.039	0.373	85#
	Level9&10&11		Left Edge	10	36	5180	0.03	0.048	15.25	16.10	1.216	96.26	1.039	0.061	/
	Level9&10&11		Top Edge	10	36	5180	-0.15	0.202	15.25	16.10	1.216	96.26	1.039	0.255	/
	Level12&13		Front Side	10	36	5180	-0.13	0.042	14.43	15.10	1.167	96.26	1.039	0.051	/
	Level12&13		Back Side	10	36	5180	-0.11	0.226	14.43	15.10	1.167	96.26	1.039	0.274	/
	Level12&13		Left Edge	10	36	5180	-0.12	0.038	14.43	15.10	1.167	96.26	1.039	0.046	/
	Level12&13		Top Edge	10	36	5180	-0.01	0.155	14.43	15.10	1.167	96.26	1.039	0.188	/
	Level14		Front Side	10	36	5180	-0.07	0.021	11.60	12.10	1.122	96.26	1.039	0.024	/
	Level14		Back Side	10	36	5180	-0.02	0.106	11.60	12.10	1.122	96.26	1.039	0.124	/
	Level14		Left Edge	10	36	5180	-0.03	0.018	11.60	12.10	1.122	96.26	1.039	0.021	/
	Level14		Top Edge	10	36	5180	0.14	0.075	11.60	12.10	1.122	96.26	1.039	0.087	/
Hotspot(Open) 5.8G WLAN															
Ant.9	Level8	802. 11a	Front Side	10	149	5745	0.07	0.157	16.10	17.10	1.259	96.26	1.039	0.205	/
	Level8		Back Side	10	149	5745	-0.1	0.248	16.10	17.10	1.259	96.26	1.039	0.324	/
	Level8		Left Edge	10	149	5745	0.08	0.107	16.10	17.10	1.259	96.26	1.039	0.140	/

	Level9&10		Front Side	10	149	5745	0.06	0.095	14.12	15.10	1.253	96.26	1.039	0.124	/
	Level9&10		Back Side	10	149	5745	-0.14	0.146	14.12	15.10	1.253	96.26	1.039	0.190	/
	Level9&10		Left Edge	10	149	5745	-0.07	0.062	14.12	15.10	1.253	96.26	1.039	0.081	/
	Level11		Front Side	10	149	5745	-0.04	0.061	12.16	13.10	1.242	96.26	1.039	0.079	/
	Level11		Back Side	10	149	5745	-0.04	0.095	12.16	13.10	1.242	96.26	1.039	0.123	/
	Level11		Left Edge	10	149	5745	0.1	0.041	12.16	13.10	1.242	96.26	1.039	0.053	/
	Level12&13		Front Side	10	149	5745	0.16	0.042	11.21	12.10	1.227	96.26	1.039	0.054	/
	Level12&13		Back Side	10	149	5745	0.1	0.074	11.21	12.10	1.227	96.26	1.039	0.094	/
	Level12&13		Left Edge	10	149	5745	0.07	0.032	11.21	12.10	1.227	96.26	1.039	0.041	/
	Level14		Front Side	10	149	5745	0.09	0.021	8.06	9.10	1.271	96.26	1.039	0.028	/
	Level14		Back Side	10	149	5745	0.1	0.031	8.06	9.10	1.271	96.26	1.039	0.041	/
	Level14		Left Edge	10	149	5745	0.18	0.016	8.06	9.10	1.271	96.26	1.039	0.021	/
Ant.13	Level8	802.11a	Front Side	10	165	5825	0.04	0.021	16.32	17.10	1.197	96.26	1.039	0.026	/
	Level8		Back Side	10	165	5825	-0.02	0.455	16.32	17.10	1.197	96.26	1.039	0.566	/
	Level8		Left Edge	10	165	5825	-0.09	0.116	16.32	17.10	1.197	96.26	1.039	0.144	/
	Level8		Top Edge	10	165	5825	-0.19	0.093	16.32	17.10	1.197	96.26	1.039	0.116	/
	Level9&10		Front Side	10	165	5825	-0.16	0.012	14.36	15.10	1.186	96.26	1.039	0.015	/
	Level9&10		Back Side	10	165	5825	0.15	0.266	14.36	15.10	1.186	96.26	1.039	0.328	/
	Level9&10		Left Edge	10	165	5825	-0.06	0.071	14.36	15.10	1.186	96.26	1.039	0.087	/
	Level9&10		Top Edge	10	165	5825	-0.18	0.056	14.36	15.10	1.186	96.26	1.039	0.069	/
	Level11		Front Side	10	165	5825	-0.01	0.006	12.09	13.10	1.262	96.26	1.039	0.008	/
	Level11		Back Side	10	165	5825	0.17	0.174	12.09	13.10	1.262	96.26	1.039	0.228	/
	Level11		Left Edge	10	165	5825	-0.14	0.041	12.09	13.10	1.262	96.26	1.039	0.054	/
	Level11		Top Edge	10	165	5825	0.11	0.032	12.09	13.10	1.262	96.26	1.039	0.042	/
	Level12&13		Front Side	10	165	5825	-0.01	0.005	11.18	12.10	1.236	96.26	1.039	0.006	/
	Level12&13		Back Side	10	165	5825	-0.1	0.134	11.18	12.10	1.236	96.26	1.039	0.172	/
	Level12&13		Left Edge	10	165	5825	-0.01	0.032	11.18	12.10	1.236	96.26	1.039	0.041	/
	Level12&13		Top Edge	10	165	5825	0.1	0.025	11.18	12.10	1.236	96.26	1.039	0.032	/
	Level14		Front Side	10	165	5825	-0.1	0.001	8.01	9.10	1.285	96.26	1.039	0.001	/
	Level14		Back Side	10	165	5825	0.13	0.065	8.01	9.10	1.285	96.26	1.039	0.087	/
	Level14		Left Edge	10	165	5825	-0.07	0.015	8.01	9.10	1.285	96.26	1.039	0.020	/
	Level14		Top Edge	10	165	5825	0.15	0.013	8.01	9.10	1.285	96.26	1.039	0.017	/
Ant.9&13	Level8	802.11a	Front Side	10	149	5745	0.01	0.223	19.22	20.10	1.225	96.26	1.039	0.284	/
	Level8		Back Side	10	149	5745	0.03	0.614	19.22	20.10	1.225	96.26	1.039	0.781	86#
	Level8		Left Edge	10	149	5745	0.02	0.234	19.22	20.10	1.225	96.26	1.039	0.298	/
	Level8		Top Edge	10	149	5745	0.15	0.411	19.22	20.10	1.225	96.26	1.039	0.523	/
	Level9&10		Front Side	10	149	5745	-0.06	0.129	17.24	18.10	1.219	96.26	1.039	0.163	/
	Level9&10		Back Side	10	149	5745	0.05	0.376	17.24	18.10	1.219	96.26	1.039	0.476	/
	Level9&10		Left Edge	10	149	5745	0	0.149	17.24	18.10	1.219	96.26	1.039	0.189	/
	Level9&10		Top Edge	10	149	5745	0.07	0.259	17.24	18.10	1.219	96.26	1.039	0.328	/
	Level11		Front Side	10	149	5745	-0.18	0.085	15.14	16.10	1.247	96.26	1.039	0.110	/
	Level11		Back Side	10	149	5745	0.04	0.232	15.14	16.10	1.247	96.26	1.039	0.301	/
	Level11		Left Edge	10	149	5745	-0.18	0.095	15.14	16.10	1.247	96.26	1.039	0.123	/

	Level11		Top Edge	10	149	5745	-0.07	0.152	15.14	16.10	1.247	96.26	1.039	0.197	/
	Level12&13		Front Side	10	149	5745	0.12	0.063	14.21	15.10	1.227	96.26	1.039	0.080	/
	Level12&13		Back Side	10	149	5745	-0.09	0.174	14.21	15.10	1.227	96.26	1.039	0.222	/
	Level12&13		Left Edge	10	149	5745	0.08	0.071	14.21	15.10	1.227	96.26	1.039	0.091	/
	Level12&13		Top Edge	10	149	5745	0	0.123	14.21	15.10	1.227	96.26	1.039	0.157	/
	Level14		Front Side	10	149	5745	-0.1	0.031	11.05	12.10	1.274	96.26	1.039	0.041	/
	Level14		Back Side	10	149	5745	-0.03	0.095	11.05	12.10	1.274	96.26	1.039	0.126	/
	Level14		Left Edge	10	149	5745	-0.17	0.032	11.05	12.10	1.274	96.26	1.039	0.042	/
	Level14		Top Edge	10	149	5745	0.19	0.061	11.05	12.10	1.274	96.26	1.039	0.081	/
Hotspot(Close) 5.2G WLAN															
Ant.9	Level8&9&10&11	802.11a	Front Side	10	36	5180	0.04	0.064	12.34	13.10	1.191	96.26	1.039	0.079	/
	Level8&9&10&11		Back Side	10	36	5180	0.14	0.023	12.34	13.10	1.191	96.26	1.039	0.028	/
	Level8&9&10&11		Left Edge	10	36	5180	-0.07	0.019	12.34	13.10	1.191	96.26	1.039	0.024	/
	Level8&9&10&11		Top Edge	10	36	5180	-0.14	0.015	12.34	13.10	1.191	96.26	1.039	0.019	/
	Level8&9&10&11		Bottom Edge	10	36	5180	0.08	0.101	12.34	13.10	1.191	96.26	1.039	0.125	/
	Level12&13		Front Side	10	36	5180	0.03	0.048	11.45	12.10	1.161	96.26	1.039	0.058	/
	Level12&13		Back Side	10	36	5180	-0.17	0.016	11.45	12.10	1.161	96.26	1.039	0.019	/
	Level12&13		Left Edge	10	36	5180	-0.03	0.013	11.45	12.10	1.161	96.26	1.039	0.016	/
	Level12&13		Top Edge	10	36	5180	0.02	0.011	11.45	12.10	1.161	96.26	1.039	0.013	/
	Level12&13		Bottom Edge	10	36	5180	0.08	0.075	11.45	12.10	1.161	96.26	1.039	0.090	/
	Level14		Front Side	10	36	5180	0.18	0.026	8.62	9.10	1.117	96.26	1.039	0.030	/
	Level14		Back Side	10	36	5180	0.02	0.005	8.62	9.10	1.117	96.26	1.039	0.006	/
	Level14		Left Edge	10	36	5180	0.01	0.007	8.62	9.10	1.117	96.26	1.039	0.008	/
	Level14		Top Edge	10	36	5180	-0.06	0.005	8.62	9.10	1.117	96.26	1.039	0.006	/
	Level14		Bottom Edge	10	36	5180	0.08	0.038	8.62	9.10	1.117	96.26	1.039	0.044	/
Ant.13	Level9&10&11	802.11a	Front Side	10	36	5180	0.13	0.165	12.13	13.10	1.250	96.26	1.039	0.214	/
	Level9&10&11		Back Side	10	36	5180	-0.12	0.042	12.13	13.10	1.250	96.26	1.039	0.055	/
	Level9&10&11		Left Edge	10	36	5180	0.05	0.021	12.13	13.10	1.250	96.26	1.039	0.027	/
	Level9&10&11		Bottom Edge	10	36	5180	0.12	0.028	12.13	13.10	1.250	96.26	1.039	0.036	/
	Level12&13		Front Side	10	36	5180	0.11	0.085	11.38	12.10	1.180	96.26	1.039	0.104	/
	Level12&13		Back Side	10	36	5180	0.1	0.023	11.38	12.10	1.180	96.26	1.039	0.028	/
	Level12&13		Left Edge	10	36	5180	-0.11	0.013	11.38	12.10	1.180	96.26	1.039	0.016	/
	Level12&13		Bottom Edge	10	36	5180	0.13	0.012	11.38	12.10	1.180	96.26	1.039	0.015	/
	Level14		Front Side	10	36	5180	0.1	0.042	8.55	9.10	1.135	96.26	1.039	0.050	/
	Level14		Back Side	10	36	5180	-0.19	0.011	8.55	9.10	1.135	96.26	1.039	0.013	/
	Level14		Left Edge	10	36	5180	-0.17	0.006	8.55	9.10	1.135	96.26	1.039	0.007	/
	Level14		Bottom Edge	10	36	5180	0.12	0.006	8.55	9.10	1.135	96.26	1.039	0.007	/
Ant.9&	Level9&10&11	802.	Front Side	10	36	5180	-0.01	0.175	15.25	16.10	1.216	96.26	1.039	0.221	/

13	Level9&10&11	11a	Back Side	10	36	5180	0.14	0.018	15.25	16.10	1.216	96.26	1.039	0.023	/
	Level9&10&11		Left Edge	10	36	5180	-0.11	0.021	15.25	16.10	1.216	96.26	1.039	0.027	/
	Level9&10&11		Top Edge	10	36	5180	0.08	0.016	15.25	16.10	1.216	96.26	1.039	0.020	/
	Level9&10&11		Bottom Edge	10	36	5180	-0.02	0.085	15.25	16.10	1.216	96.26	1.039	0.107	/
	Level12&13		Front Side	10	36	5180	-0.19	0.141	14.43	15.10	1.167	96.26	1.039	0.171	/
	Level12&13		Back Side	10	36	5180	0.05	0.015	14.43	15.10	1.167	96.26	1.039	0.018	/
	Level12&13		Left Edge	10	36	5180	-0.08	0.023	14.43	15.10	1.167	96.26	1.039	0.028	/
	Level12&13		Top Edge	10	36	5180	-0.18	0.015	14.43	15.10	1.167	96.26	1.039	0.018	/
	Level12&13		Bottom Edge	10	36	5180	0.16	0.085	14.43	15.10	1.167	96.26	1.039	0.103	/
	Level14		Front Side	10	36	5180	-0.19	0.065	11.60	12.10	1.122	96.26	1.039	0.076	/
	Level14		Back Side	10	36	5180	-0.12	0.008	11.60	12.10	1.122	96.26	1.039	0.009	/
	Level14		Left Edge	10	36	5180	0.05	0.012	11.60	12.10	1.122	96.26	1.039	0.014	/
	Level14		Top Edge	10	36	5180	0.18	0.008	11.60	12.10	1.122	96.26	1.039	0.009	/
	Level14		Bottom Edge	10	36	5180	-0.03	0.041	11.60	12.10	1.122	96.26	1.039	0.048	/
Hotspot(Close) 5.8G WLAN															
Ant.9	Level8	802.11a	Front Side	10	149	5745	0.07	0.206	16.10	17.10	1.259	96.26	1.039	0.269	/
	Level8		Back Side	10	149	5745	0.11	0.065	16.10	17.10	1.259	96.26	1.039	0.085	/
	Level8		Left Edge	10	149	5745	-0.16	0.060	16.10	17.10	1.259	96.26	1.039	0.078	/
	Level8		Bottom Edge	10	149	5745	-0.03	0.295	16.10	17.10	1.259	96.26	1.039	0.386	/
	Level9&10		Front Side	10	149	5745	0.15	0.125	14.12	15.10	1.253	96.26	1.039	0.163	/
	Level9&10		Back Side	10	149	5745	-0.1	0.035	14.12	15.10	1.253	96.26	1.039	0.046	/
	Level9&10		Left Edge	10	149	5745	0.16	0.032	14.12	15.10	1.253	96.26	1.039	0.042	/
	Level9&10		Bottom Edge	10	149	5745	-0.07	0.177	14.12	15.10	1.253	96.26	1.039	0.230	/
	Level11		Front Side	10	149	5745	0.19	0.081	12.16	13.10	1.242	96.26	1.039	0.105	/
	Level11		Back Side	10	149	5745	0.02	0.025	12.16	13.10	1.242	96.26	1.039	0.032	/
	Level11		Left Edge	10	149	5745	-0.17	0.022	12.16	13.10	1.242	96.26	1.039	0.028	/
	Level11		Bottom Edge	10	149	5745	-0.04	0.106	12.16	13.10	1.242	96.26	1.039	0.137	/
	Level12&13		Front Side	10	149	5745	-0.05	0.063	11.21	12.10	1.227	96.26	1.039	0.080	/
	Level12&13		Back Side	10	149	5745	0.02	0.022	11.21	12.10	1.227	96.26	1.039	0.028	/
	Level12&13		Left Edge	10	149	5745	-0.08	0.015	11.21	12.10	1.227	96.26	1.039	0.019	/
	Level12&13		Bottom Edge	10	149	5745	0.11	0.091	11.21	12.10	1.227	96.26	1.039	0.116	/
	Level14		Front Side	10	149	5745	-0.01	0.031	8.06	9.10	1.271	96.26	1.039	0.041	/
	Level14		Back Side	10	149	5745	0.02	0.010	8.06	9.10	1.271	96.26	1.039	0.013	/
	Level14		Left Edge	10	149	5745	-0.08	0.007	8.06	9.10	1.271	96.26	1.039	0.009	/
	Level14		Bottom Edge	10	149	5745	0.13	0.042	8.06	9.10	1.271	96.26	1.039	0.055	/
Ant.13	Level8	802.11a	Front Side	10	165	5825	0.05	0.399	16.32	17.10	1.197	96.26	1.039	0.496	/
	Level8		Back Side	10	165	5825	-0.19	0.056	16.32	17.10	1.197	96.26	1.039	0.070	/
	Level8		Left Edge	10	165	5825	0.17	0.101	16.32	17.10	1.197	96.26	1.039	0.126	/
	Level8		Bottom Edge	10	165	5825	-0.06	0.092	16.32	17.10	1.197	96.26	1.039	0.114	/
	Level9&10		Front Side	10	165	5825	-0.02	0.261	14.36	15.10	1.186	96.26	1.039	0.322	/
	Level9&10		Back Side	10	165	5825	0.03	0.031	14.36	15.10	1.186	96.26	1.039	0.038	/
	Level9&10		Left Edge	10	165	5825	-0.19	0.061	14.36	15.10	1.186	96.26	1.039	0.075	/
	Level9&10		Bottom Edge	10	165	5825	-0.18	0.055	14.36	15.10	1.186	96.26	1.039	0.068	/

	Level11		Front Side	10	165	5825	-0.02	0.149	12.09	13.10	1.262	96.26	1.039	0.195	/
	Level11		Back Side	10	165	5825	0.13	0.021	12.09	13.10	1.262	96.26	1.039	0.028	/
	Level11		Left Edge	10	165	5825	-0.14	0.035	12.09	13.10	1.262	96.26	1.039	0.046	/
	Level11		Bottom Edge	10	165	5825	-0.13	0.034	12.09	13.10	1.262	96.26	1.039	0.045	/
	Level12&13		Front Side	10	165	5825	-0.04	0.121	11.18	12.10	1.236	96.26	1.039	0.155	/
	Level12&13		Back Side	10	165	5825	0.08	0.015	11.18	12.10	1.236	96.26	1.039	0.019	/
	Level12&13		Left Edge	10	165	5825	0.14	0.028	11.18	12.10	1.236	96.26	1.039	0.036	/
	Level12&13		Bottom Edge	10	165	5825	0.03	0.026	11.18	12.10	1.236	96.26	1.039	0.033	/
	Level14		Front Side	10	165	5825	0.02	0.061	8.01	9.10	1.285	96.26	1.039	0.081	/
	Level14		Back Side	10	165	5825	-0.03	0.008	8.01	9.10	1.285	96.26	1.039	0.011	/
	Level14		Left Edge	10	165	5825	-0.04	0.013	8.01	9.10	1.285	96.26	1.039	0.017	/
	Level14		Bottom Edge	10	165	5825	0.09	0.011	8.01	9.10	1.285	96.26	1.039	0.015	/
Ant.9&13	Level8	802.11a	Front Side	10	149	5745	0.13	0.605	19.22	20.10	1.225	96.26	1.039	0.770	/
	Level8		Back Side	10	149	5745	-0.11	0.063	19.22	20.10	1.225	96.26	1.039	0.080	/
	Level8		Left Edge	10	149	5745	-0.09	0.195	19.22	20.10	1.225	96.26	1.039	0.248	/
	Level8		Top Edge	10	149	5745	-0.03	0.022	19.22	20.10	1.225	96.26	1.039	0.028	/
	Level8		Bottom Edge	10	149	5745	-0.04	0.365	19.22	20.10	1.225	96.26	1.039	0.465	/
	Level9&10		Front Side	10	149	5745	-0.18	0.365	17.24	18.10	1.219	96.26	1.039	0.462	/
	Level9&10		Back Side	10	149	5745	0.05	0.041	17.24	18.10	1.219	96.26	1.039	0.052	/
	Level9&10		Left Edge	10	149	5745	-0.06	0.112	17.24	18.10	1.219	96.26	1.039	0.142	/
	Level9&10		Top Edge	10	149	5745	0.04	0.012	17.24	18.10	1.219	96.26	1.039	0.015	/
	Level9&10		Bottom Edge	10	149	5745	-0.07	0.226	17.24	18.10	1.219	96.26	1.039	0.286	/
	Level11		Front Side	10	149	5745	0	0.236	15.14	16.10	1.247	96.26	1.039	0.306	/
	Level11		Back Side	10	149	5745	0.13	0.021	15.14	16.10	1.247	96.26	1.039	0.027	/
	Level11		Left Edge	10	149	5745	0	0.075	15.14	16.10	1.247	96.26	1.039	0.097	/
	Level11		Top Edge	10	149	5745	-0.19	0.008	15.14	16.10	1.247	96.26	1.039	0.010	/
	Level11		Bottom Edge	10	149	5745	0.05	0.132	14.21	16.10	1.545	96.26	1.039	0.212	/
	Level12&13		Front Side	10	149	5745	0.04	0.188	14.21	15.10	1.227	96.26	1.039	0.240	/
	Level12&13		Back Side	10	149	5745	-0.01	0.016	14.21	15.10	1.227	96.26	1.039	0.020	/
	Level12&13		Left Edge	10	149	5745	-0.1	0.061	14.21	15.10	1.227	96.26	1.039	0.078	/
	Level12&13		Top Edge	10	149	5745	0.17	0.005	14.21	15.10	1.227	96.26	1.039	0.006	/
	Level12&13		Bottom Edge	10	149	5745	-0.12	0.106	14.21	15.10	1.227	96.26	1.039	0.135	/
	Level14		Front Side	10	149	5745	0.14	0.095	11.05	12.10	1.274	96.26	1.039	0.126	/
	Level14		Back Side	10	149	5745	0.09	0.005	11.05	12.10	1.274	96.26	1.039	0.007	/
	Level14		Left Edge	10	149	5745	0.01	0.025	11.05	12.10	1.274	96.26	1.039	0.033	/
	Level14		Top Edge	10	149	5745	-0.03	0.002	11.05	12.10	1.274	96.26	1.039	0.003	/
	Level14		Bottom Edge	10	149	5745	0.11	0.051	11.05	12.10	1.274	96.26	1.039	0.068	/
Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific（Open）5.3G WLAN															
Ant.9	Level8	802.	Front Side	0	52	5260	0.12	0.437	16.34	17.10	1.191	96.26	1.039	0.541	/

	Level8	11a	Back Side	0	52	5260	-0.06	0.205	16.34	17.10	1.191	96.26	1.039	0.254	/
	Level8		Left Edge	0	52	5260	-0.01	0.043	16.34	17.10	1.191	96.26	1.039	0.053	/
	Level8		Top Edge	0	52	5260	0.03	0.972	16.34	17.10	1.191	96.26	1.039	1.203	/
	Level12&13		Front Side	0	52	5260	0.06	0.323	11.55	12.10	1.135	96.26	1.039	0.381	/
	Level12&13		Back Side	0	52	5260	0.18	0.158	11.55	12.10	1.135	96.26	1.039	0.186	/
	Level12&13		Left Edge	0	52	5260	0.02	0.032	11.55	12.10	1.135	96.26	1.039	0.038	/
	Level12&13		Top Edge	0	52	5260	-0.07	0.745	11.55	12.10	1.135	96.26	1.039	0.879	/
	Level14		Front Side	0	52	5260	-0.04	0.163	8.46	9.10	1.159	96.26	1.039	0.196	/
	Level14		Back Side	0	52	5260	-0.06	0.081	8.46	9.10	1.159	96.26	1.039	0.098	/
	Level14		Left Edge	0	52	5260	0.14	0.012	8.46	9.10	1.159	96.26	1.039	0.014	/
	Level14		Top Edge	0	52	5260	0.1	0.365	8.46	9.10	1.159	96.26	1.039	0.440	/
Ant.13	Level8	802.11a	Front Side	0	52	5260	-0.1	0.187	16.77	17.10	1.079	96.26	1.039	0.210	/
	Level8		Back Side	0	52	5260	0.01	0.997	16.77	17.10	1.079	96.26	1.039	1.118	/
	Level8		Left Edge	0	52	5260	-0.11	0.280	16.77	17.10	1.079	96.26	1.039	0.314	/
	Level8		Top Edge	0	52	5260	0.02	0.068	16.77	17.10	1.079	96.26	1.039	0.076	/
	Level12&13		Front Side	0	52	5260	-0.12	0.136	11.61	12.10	1.119	96.26	1.039	0.158	/
	Level12&13		Back Side	0	52	5260	-0.14	0.745	11.61	12.10	1.119	96.26	1.039	0.866	/
	Level12&13		Left Edge	0	52	5260	0.1	0.212	11.61	12.10	1.119	96.26	1.039	0.246	/
	Level12&13		Top Edge	0	52	5260	-0.19	0.052	11.61	12.10	1.119	96.26	1.039	0.060	/
	Level14		Front Side	0	52	5260	0.08	0.071	8.57	9.10	1.130	96.26	1.039	0.083	/
	Level14		Back Side	0	52	5260	0.07	0.375	8.57	9.10	1.130	96.26	1.039	0.440	/
	Level14		Left Edge	0	52	5260	0.09	0.106	8.57	9.10	1.130	96.26	1.039	0.124	/
	Level14		Top Edge	0	52	5260	0.08	0.021	8.57	9.10	1.130	96.26	1.039	0.025	/
Ant.9&13	Level8	802.11a	Front Side	0	52	5260	0.19	0.466	19.57	20.10	1.130	96.26	1.039	0.547	/
	Level8		Back Side	0	52	5260	-0.17	0.855	19.57	20.10	1.130	96.26	1.039	1.004	/
	Level8		Left Edge	0	52	5260	0.08	0.265	19.57	20.10	1.130	96.26	1.039	0.311	/
	Level8		Top Edge	0	52	5260	-0.03	1.250	19.57	20.10	1.130	96.26	1.039	1.468	87#
	Level12&13		Front Side	0	52	5260	0.14	0.355	14.59	15.10	1.125	96.26	1.039	0.415	/
	Level12&13		Back Side	0	52	5260	0.05	0.671	14.59	15.10	1.125	96.26	1.039	0.784	/
	Level12&13		Left Edge	0	52	5260	-0.03	0.206	14.59	15.10	1.125	96.26	1.039	0.241	/
	Level12&13		Top Edge	0	52	5260	0.19	0.974	14.59	15.10	1.125	96.26	1.039	1.138	/
	Level14		Front Side	0	52	5260	-0.04	0.175	11.53	12.10	1.140	96.26	1.039	0.207	/
	Level14		Back Side	0	52	5260	-0.11	0.332	11.53	12.10	1.140	96.26	1.039	0.393	/
	Level14		Left Edge	0	52	5260	0.18	0.102	11.53	12.10	1.140	96.26	1.039	0.121	/
	Level14		Top Edge	0	52	5260	0.14	0.174	11.53	12.10	1.140	96.26	1.039	0.206	/
Specific（Open）5.6G WLAN															
Ant.9	Level8	802.11a	Front Side	0	116	5580	-0.09	0.731	16.06	17.10	1.271	96.26	1.039	0.965	/
	Level8		Back Side	0	116	5580	0.11	0.355	16.06	17.10	1.271	96.26	1.039	0.469	/
	Level8		Left Edge	0	116	5580	0.02	0.323	16.06	17.10	1.271	96.26	1.039	0.427	/
	Level8		Top Edge	0	116	5580	0.15	1.010	16.06	17.10	1.271	96.26	1.039	1.334	/
	Level9&10		Front Side	0	116	5580	-0.08	0.432	14.38	15.10	1.180	96.26	1.039	0.530	/
	Level9&10		Back Side	0	116	5580	0.13	0.206	14.38	15.10	1.180	96.26	1.039	0.253	/
	Level9&10		Left Edge	0	116	5580	-0.1	0.201	14.38	15.10	1.180	96.26	1.039	0.246	/

	Level9&10		Top Edge	0	116	5580	-0.19	0.656	14.38	15.10	1.180	96.26	1.039	0.804	/
	Level11		Front Side	0	116	5580	-0.09	0.274	12.41	13.10	1.172	96.26	1.039	0.334	/
	Level11		Back Side	0	116	5580	0.03	0.129	12.41	13.10	1.172	96.26	1.039	0.157	/
	Level11		Left Edge	0	116	5580	0.17	0.121	12.41	13.10	1.172	96.26	1.039	0.147	/
	Level11		Top Edge	0	116	5580	-0.18	0.411	12.41	13.10	1.172	96.26	1.039	0.500	/
	Level12&13		Front Side	0	116	5580	-0.18	0.226	11.33	12.10	1.194	96.26	1.039	0.280	/
	Level12&13		Back Side	0	116	5580	0.01	0.106	11.33	12.10	1.194	96.26	1.039	0.131	/
	Level12&13		Left Edge	0	116	5580	0.12	0.101	11.33	12.10	1.194	96.26	1.039	0.125	/
	Level12&13		Top Edge	0	116	5580	0.16	0.325	11.33	12.10	1.194	96.26	1.039	0.403	/
	Level14		Front Side	0	116	5580	0.13	0.106	8.41	9.10	1.172	96.26	1.039	0.129	/
	Level14		Back Side	0	116	5580	-0.08	0.051	8.41	9.10	1.172	96.26	1.039	0.062	/
	Level14		Left Edge	0	116	5580	-0.08	0.051	8.41	9.10	1.172	96.26	1.039	0.062	/
	Level14		Top Edge	0	116	5580	0.15	0.155	8.41	9.10	1.172	96.26	1.039	0.189	/
Ant.13	Level8	802.11a	Front Side	0	140	5700	-0.19	0.050	16.94	17.10	1.038	96.26	1.039	0.054	/
	Level8		Back Side	0	140	5700	-0.17	0.953	16.94	17.10	1.038	96.26	1.039	1.028	/
	Level8		Left Edge	0	140	5700	0.06	0.265	16.94	17.10	1.038	96.26	1.039	0.286	/
	Level8		Top Edge	0	140	5700	-0.11	0.064	16.94	17.10	1.038	96.26	1.039	0.069	/
	Level9&10		Front Side	0	140	5700	-0.18	0.031	14.70	15.10	1.096	96.26	1.039	0.035	/
	Level9&10		Back Side	0	140	5700	-0.15	0.588	14.70	15.10	1.096	96.26	1.039	0.670	/
	Level9&10		Left Edge	0	140	5700	0.13	0.157	14.70	15.10	1.096	96.26	1.039	0.179	/
	Level9&10		Top Edge	0	140	5700	0.14	0.035	14.70	15.10	1.096	96.26	1.039	0.040	/
	Level11		Front Side	0	140	5700	0.07	0.018	12.28	13.10	1.208	96.26	1.039	0.023	/
	Level11		Back Side	0	140	5700	-0.11	0.366	12.28	13.10	1.208	96.26	1.039	0.459	/
	Level11		Left Edge	0	140	5700	-0.05	0.101	12.28	13.10	1.208	96.26	1.039	0.127	/
	Level11		Top Edge	0	140	5700	0.19	0.021	12.28	13.10	1.208	96.26	1.039	0.026	/
	Level12&13		Front Side	0	140	5700	-0.15	0.014	11.16	12.10	1.242	96.26	1.039	0.018	/
	Level12&13		Back Side	0	140	5700	0	0.295	11.16	12.10	1.242	96.26	1.039	0.381	/
	Level12&13		Left Edge	0	140	5700	0.12	0.081	11.16	12.10	1.242	96.26	1.039	0.105	/
	Level12&13		Top Edge	0	140	5700	-0.03	0.026	11.16	12.10	1.242	96.26	1.039	0.034	/
	Level14		Front Side	0	140	5700	-0.18	0.006	8.23	9.10	1.222	96.26	1.039	0.008	/
	Level14		Back Side	0	140	5700	0.07	0.147	8.23	9.10	1.222	96.26	1.039	0.187	/
	Level14		Left Edge	0	140	5700	0.1	0.041	8.23	9.10	1.222	96.26	1.039	0.052	/
	Level14		Top Edge	0	140	5700	-0.03	0.009	8.23	9.10	1.222	96.26	1.039	0.011	/
Ant.9&13	Level8	802.11a	Front Side	0	140	5700	-0.08	0.665	19.42	20.10	1.169	96.26	1.039	0.808	/
	Level8		Back Side	0	140	5700	0	0.988	19.42	20.10	1.169	96.26	1.039	1.200	/
	Level8		Left Edge	0	140	5700	0.05	0.523	19.42	20.10	1.169	96.26	1.039	0.635	/
	Level8		Top Edge	0	140	5700	0.04	1.070	19.42	20.10	1.169	96.26	1.039	1.300	/
	Level9&10		Front Side	0	140	5700	0.16	0.422	17.55	18.10	1.135	96.26	1.039	0.498	/
	Level9&10		Back Side	0	140	5700	-0.16	0.431	17.55	18.10	1.135	96.26	1.039	0.508	/
	Level9&10		Left Edge	0	140	5700	-0.1	0.312	17.55	18.10	1.135	96.26	1.039	0.368	/
	Level9&10		Top Edge	0	140	5700	0.01	0.656	17.55	18.10	1.135	96.26	1.039	0.774	/
	Level11		Front Side	0	140	5700	-0.11	0.255	15.35	16.10	1.189	96.26	1.039	0.315	/
	Level11		Back Side	0	140	5700	-0.19	0.401	15.35	16.10	1.189	96.26	1.039	0.495	/

	Level11		Left Edge	0	140	5700	-0.09	0.201	15.35	16.10	1.189	96.26	1.039	0.248	/
	Level11		Top Edge	0	140	5700	0.11	0.416	15.35	16.10	1.189	96.26	1.039	0.514	/
	Level12&13		Front Side	0	140	5700	0.09	0.223	14.24	15.10	1.219	96.26	1.039	0.282	/
	Level12&13		Back Side	0	140	5700	0.15	0.301	14.24	15.10	1.219	96.26	1.039	0.381	/
	Level12&13		Left Edge	0	140	5700	0.16	0.154	14.24	15.10	1.219	96.26	1.039	0.195	/
	Level12&13		Top Edge	0	140	5700	0.18	0.318	14.24	15.10	1.219	96.26	1.039	0.403	/
	Level14		Front Side	0	140	5700	0.02	0.112	11.32	12.10	1.197	96.26	1.039	0.139	/
	Level14		Back Side	0	140	5700	0.07	0.154	11.32	12.10	1.197	96.26	1.039	0.192	/
	Level14		Left Edge	0	140	5700	0.15	0.081	11.32	12.10	1.197	96.26	1.039	0.101	/
	Level14		Top Edge	0	140	5700	-0.06	0.154	11.32	12.10	1.197	96.26	1.039	0.192	/
Specific（Close）5.3G WLAN															
Ant.9	Level8	802.11a	Front Side	0	52	5260	-0.05	0.202	16.34	17.10	1.191	96.26	1.039	0.250	/
	Level8		Back Side	0	52	5260	0.18	0.021	16.34	17.10	1.191	96.26	1.039	0.026	/
	Level8		Left Edge	0	52	5260	0.07	0.109	16.34	17.10	1.191	96.26	1.039	0.135	/
	Level8		Bottom Edge	0	52	5260	0.07	0.911	16.34	17.10	1.191	96.26	1.039	1.127	/
	Level12&13		Front Side	0	52	5260	0.15	0.165	11.55	12.10	1.135	96.26	1.039	0.195	/
	Level12&13		Back Side	0	52	5260	-0.07	0.021	11.55	12.10	1.135	96.26	1.039	0.025	/
	Level12&13		Left Edge	0	52	5260	-0.04	0.093	11.55	12.10	1.135	96.26	1.039	0.110	/
	Level12&13		Bottom Edge	0	52	5260	0.02	0.706	11.55	12.10	1.135	96.26	1.039	0.833	/
	Level14		Front Side	0	52	5260	0.01	0.081	8.46	9.10	1.159	96.26	1.039	0.098	/
	Level14		Back Side	0	52	5260	-0.09	0.006	8.46	9.10	1.159	96.26	1.039	0.007	/
	Level14		Left Edge	0	52	5260	0.11	0.041	8.46	9.10	1.159	96.26	1.039	0.049	/
	Level14		Bottom Edge	0	52	5260	0.02	0.355	8.46	9.10	1.159	96.26	1.039	0.427	/
Ant.13	Level8	802.11a	Front Side	0	52	5260	-0.05	0.906	16.77	17.10	1.079	96.26	1.039	1.016	/
	Level8		Back Side	0	52	5260	-0.14	0.021	16.77	17.10	1.079	96.26	1.039	0.024	/
	Level8		Left Edge	0	52	5260	0.14	0.208	16.77	17.10	1.079	96.26	1.039	0.233	/
	Level8		Bottom Edge	0	52	5260	0.14	0.091	16.77	17.10	1.079	96.26	1.039	0.102	/
	Level12&13		Front Side	0	52	5260	0.19	0.723	11.61	12.10	1.119	96.26	1.039	0.841	/
	Level12&13		Back Side	0	52	5260	0.08	0.015	11.61	12.10	1.119	96.26	1.039	0.017	/
	Level12&13		Left Edge	0	52	5260	0.09	0.144	11.61	12.10	1.119	96.26	1.039	0.167	/
	Level12&13		Bottom Edge	0	52	5260	-0.02	0.065	11.61	12.10	1.119	96.26	1.039	0.076	/
	Level14		Front Side	0	52	5260	-0.07	0.323	8.57	9.10	1.130	96.26	1.039	0.379	/
	Level14		Back Side	0	52	5260	0.03	0.008	8.57	9.10	1.130	96.26	1.039	0.009	/
	Level14		Left Edge	0	52	5260	-0.19	0.076	8.57	9.10	1.130	96.26	1.039	0.089	/
	Level14		Bottom Edge	0	52	5260	-0.06	0.031	8.57	9.10	1.130	96.26	1.039	0.036	/
Ant.9&13	Level8	802.11a	Front Side	0	52	5260	0	0.767	19.57	20.10	1.130	96.26	1.039	0.901	/
	Level8		Back Side	0	52	5260	-0.08	0.021	19.57	20.10	1.130	96.26	1.039	0.025	/
	Level8		Left Edge	0	52	5260	-0.13	0.226	19.57	20.10	1.130	96.26	1.039	0.265	/
	Level8		Top Edge	0	52	5260	-0.05	0.011	19.57	20.10	1.130	96.26	1.039	0.013	/
	Level8		Bottom Edge	0	52	5260	0.07	1.130	19.57	20.10	1.130	96.26	1.039	1.327	/
	Level12&13		Front Side	0	52	5260	-0.03	0.606	14.59	15.10	1.125	96.26	1.039	0.708	/
	Level12&13		Back Side	0	52	5260	-0.1	0.023	14.59	15.10	1.125	96.26	1.039	0.027	/
	Level12&13		Left Edge	0	52	5260	-0.09	0.177	14.59	15.10	1.125	96.26	1.039	0.207	/

	Level12&13		Top Edge	0	52	5260	-0.08	0.006	14.59	15.10	1.125	96.26	1.039	0.007	/
	Level12&13		Bottom Edge	0	52	5260	-0.04	0.874	14.59	15.10	1.125	96.26	1.039	1.022	/
	Level14		Front Side	0	52	5260	-0.19	0.302	11.53	12.10	1.140	96.26	1.039	0.358	/
	Level14		Back Side	0	52	5260	-0.07	0.010	11.53	12.10	1.140	96.26	1.039	0.012	/
	Level14		Left Edge	0	52	5260	0.1	0.085	11.53	12.10	1.140	96.26	1.039	0.101	/
	Level14		Top Edge	0	52	5260	-0.12	0.003	11.53	12.10	1.140	96.26	1.039	0.004	/
	Level14		Bottom Edge	0	52	5260	0.07	0.432	11.53	12.10	1.140	96.26	1.039	0.512	/
Specific（Close）5.6G WLAN															
Ant.9	Level8	802.11a	Front Side	0	116	5580	0.19	0.337	16.06	17.10	1.271	96.26	1.039	0.445	/
	Level8		Back Side	0	116	5580	-0.03	0.056	16.06	17.10	1.271	96.26	1.039	0.074	/
	Level8		Left Edge	0	116	5580	-0.06	0.281	16.06	17.10	1.271	96.26	1.039	0.371	/
	Level8		Top Edge	0	116	5580	0.1	0.020	16.06	17.10	1.271	96.26	1.039	0.026	/
	Level8		Bottom Edge	0	116	5580	-0.11	0.995	16.06	17.10	1.271	96.26	1.039	1.314	/
	Level9&10		Front Side	0	116	5580	-0.12	0.202	14.28	15.10	1.208	96.26	1.039	0.254	/
	Level9&10		Back Side	0	116	5580	0.09	0.031	14.28	15.10	1.208	96.26	1.039	0.039	/
	Level9&10		Left Edge	0	116	5580	0.16	0.165	14.28	15.10	1.208	96.26	1.039	0.207	/
	Level9&10		Top Edge	0	116	5580	-0.17	0.012	14.28	15.10	1.208	96.26	1.039	0.015	/
	Level9&10		Bottom Edge	0	116	5580	0.17	0.645	14.28	15.10	1.208	96.26	1.039	0.810	/
	Level11		Front Side	0	116	5580	-0.15	0.121	12.41	13.10	1.172	96.26	1.039	0.147	/
	Level11		Back Side	0	116	5580	-0.14	0.021	12.41	13.10	1.172	96.26	1.039	0.026	/
	Level11		Left Edge	0	116	5580	0.01	0.107	12.41	13.10	1.172	96.26	1.039	0.130	/
	Level11		Top Edge	0	116	5580	0.07	0.006	12.41	13.10	1.172	96.26	1.039	0.007	/
	Level11		Bottom Edge	0	116	5580	0	0.413	12.41	13.10	1.172	96.26	1.039	0.503	/
	Level12&13		Front Side	0	116	5580	0.11	0.096	11.33	12.10	1.194	96.26	1.039	0.119	/
	Level12&13		Back Side	0	116	5580	0.15	0.015	11.33	12.10	1.194	96.26	1.039	0.019	/
	Level12&13		Left Edge	0	116	5580	-0.01	0.086	11.33	12.10	1.194	96.26	1.039	0.107	/
	Level12&13		Top Edge	0	116	5580	0.08	0.005	11.33	12.10	1.194	96.26	1.039	0.006	/
	Level12&13		Bottom Edge	0	116	5580	-0.13	0.323	11.33	12.10	1.194	96.26	1.039	0.401	/
	Level14		Front Side	0	116	5580	0.16	0.051	8.41	9.10	1.172	96.26	1.039	0.062	/
	Level14		Back Side	0	116	5580	0.12	0.006	8.41	9.10	1.172	96.26	1.039	0.007	/
	Level14		Left Edge	0	116	5580	-0.16	0.041	8.41	9.10	1.172	96.26	1.039	0.050	/
	Level14		Top Edge	0	116	5580	-0.03	0.002	8.41	9.10	1.172	96.26	1.039	0.002	/
	Level14		Bottom Edge	0	116	5580	-0.02	0.162	8.41	9.10	1.172	96.26	1.039	0.197	/
Ant.13	Level8	802.11a	Front Side	0	140	5700	0.09	0.893	16.94	17.10	1.038	96.26	1.039	0.963	/
	Level8		Back Side	0	140	5700	-0.09	0.056	16.94	17.10	1.038	96.26	1.039	0.060	/
	Level8		Left Edge	0	140	5700	-0.16	0.290	16.94	17.10	1.038	96.26	1.039	0.313	/
	Level8		Bottom Edge	0	140	5700	-0.02	0.097	16.94	17.10	1.038	96.26	1.039	0.105	/
	Level9&10		Front Side	0	140	5700	-0.19	0.524	14.70	15.10	1.096	96.26	1.039	0.597	/
	Level9&10		Back Side	0	140	5700	0.14	0.031	14.70	15.10	1.096	96.26	1.039	0.035	/
	Level9&10		Left Edge	0	140	5700	-0.12	0.167	14.70	15.10	1.096	96.26	1.039	0.190	/
	Level9&10		Bottom Edge	0	140	5700	-0.03	0.057	14.70	15.10	1.096	96.26	1.039	0.065	/
	Level11		Front Side	0	140	5700	-0.19	0.342	12.28	13.10	1.208	96.26	1.039	0.429	/
	Level11		Back Side	0	140	5700	0.09	0.021	12.28	13.10	1.208	96.26	1.039	0.026	/

	Level11		Left Edge	0	140	5700	0.1	0.107	12.28	13.10	1.208	96.26	1.039	0.134	/
	Level11		Bottom Edge	0	140	5700	0.06	0.032	12.28	13.10	1.208	96.26	1.039	0.040	/
	Level12&13		Front Side	0	140	5700	-0.05	0.276	11.16	12.10	1.242	96.26	1.039	0.356	/
	Level12&13		Back Side	0	140	5700	-0.04	0.015	11.16	12.10	1.242	96.26	1.039	0.019	/
	Level12&13		Left Edge	0	140	5700	0.03	0.083	11.16	12.10	1.242	96.26	1.039	0.107	/
	Level12&13		Bottom Edge	0	140	5700	0.07	0.025	11.16	12.10	1.242	96.26	1.039	0.032	/
	Level14		Front Side	0	140	5700	0.04	0.133	8.23	9.10	1.222	96.26	1.039	0.169	/
	Level14		Back Side	0	140	5700	0.13	0.006	8.23	9.10	1.222	96.26	1.039	0.008	/
	Level14		Left Edge	0	140	5700	0.18	0.041	8.23	9.10	1.222	96.26	1.039	0.052	/
	Level14		Bottom Edge	0	140	5700	-0.14	0.012	8.23	9.10	1.222	96.26	1.039	0.015	/
Ant.9&13	Level8	802.11a	Front Side	0	140	5700	-0.07	0.365	19.42	20.10	1.169	96.26	1.039	0.443	/
	Level8		Back Side	0	140	5700	-0.12	0.041	19.42	20.10	1.169	96.26	1.039	0.050	/
	Level8		Left Edge	0	140	5700	-0.05	0.433	19.42	20.10	1.169	96.26	1.039	0.526	/
	Level8		Top Edge	0	140	5700	-0.09	0.016	19.42	20.10	1.169	96.26	1.039	0.019	/
	Level8		Bottom Edge	0	140	5700	0.01	1.150	19.42	20.10	1.169	96.26	1.039	1.397	88#
	Level9&10		Front Side	0	140	5700	0	0.241	17.55	18.10	1.135	96.26	1.039	0.284	/
	Level9&10		Back Side	0	140	5700	-0.05	0.021	17.55	18.10	1.135	96.26	1.039	0.025	/
	Level9&10		Left Edge	0	140	5700	0.07	0.266	17.55	18.10	1.135	96.26	1.039	0.314	/
	Level9&10		Top Edge	0	140	5700	0.08	0.012	17.55	18.10	1.135	96.26	1.039	0.014	/
	Level9&10		Bottom Edge	0	140	5700	0.01	0.702	17.55	18.10	1.135	96.26	1.039	0.828	/
	Level11		Front Side	0	140	5700	-0.12	0.134	15.35	16.10	1.189	96.26	1.039	0.166	/
	Level11		Back Side	0	140	5700	-0.08	0.016	15.35	16.10	1.189	96.26	1.039	0.020	/
	Level11		Left Edge	0	140	5700	-0.04	0.166	15.35	16.10	1.189	96.26	1.039	0.205	/
	Level11		Top Edge	0	140	5700	-0.11	0.006	15.35	16.10	1.189	96.26	1.039	0.007	/
	Level11		Bottom Edge	0	140	5700	0.07	0.431	15.35	16.10	1.189	96.26	1.039	0.532	/
	Level12&13		Front Side	0	140	5700	-0.14	0.121	14.24	15.10	1.219	96.26	1.039	0.153	/
	Level12&13		Back Side	0	140	5700	-0.08	0.016	14.24	15.10	1.219	96.26	1.039	0.020	/
	Level12&13		Left Edge	0	140	5700	0.02	0.133	14.24	15.10	1.219	96.26	1.039	0.168	/
	Level12&13		Top Edge	0	140	5700	0.03	0.005	14.24	15.10	1.219	96.26	1.039	0.006	/
	Level12&13		Bottom Edge	0	140	5700	0.14	0.344	14.24	15.10	1.219	96.26	1.039	0.436	/
	Level14		Front Side	0	140	5700	0.17	0.051	11.32	12.10	1.197	96.26	1.039	0.063	/
	Level14		Back Side	0	140	5700	-0.19	0.006	11.32	12.10	1.197	96.26	1.039	0.007	/
	Level14		Left Edge	0	140	5700	0.15	0.065	11.32	12.10	1.197	96.26	1.039	0.081	/
	Level14		Top Edge	0	140	5700	-0.17	0.002	11.32	12.10	1.197	96.26	1.039	0.002	/
	Level14		Bottom Edge	0	140	5700	-0.05	0.174	11.32	12.10	1.197	96.26	1.039	0.216	/

11.25 Bluetooth

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	Duty Cycle (%)	Duty Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.12	Level1	DH5	Left Cheek	0	39	2441	0.18	0.077	11.02	12.00	1.253	76.68	1.304	0.126	/
	Level1		Left Tilt	0	39	2441	0.16	0.065	11.02	12.00	1.253	76.68	1.304	0.106	/
	Level1		Right Cheek	0	39	2441	-0.12	0.066	11.02	12.00	1.253	76.68	1.304	0.108	/
	Level1		Right Tilt	0	39	2441	-0.02	0.066	11.02	12.00	1.253	76.68	1.304	0.108	/
Ant.12	Level7	DH5	Left Cheek	0	39	2441	-0.16	0.048	9.05	10.00	1.245	76.68	1.304	0.078	/
	Level7		Left Tilt	0	39	2441	-0.11	0.041	9.05	10.00	1.245	76.68	1.304	0.067	/
	Level7		Right Cheek	0	39	2441	0.01	0.042	9.05	10.00	1.245	76.68	1.304	0.068	/
	Level7		Right Tilt	0	39	2441	0.04	0.042	9.05	10.00	1.245	76.68	1.304	0.068	/
Ant.0	Level1	DH5	Left Cheek	0	39	2441	-0.15	0.127	11.23	12.00	1.194	76.68	1.304	0.198	/
	Level1		Left Tilt	0	39	2441	0.14	0.030	11.23	12.00	1.194	76.68	1.304	0.047	/
	Level1		Right Cheek	0	39	2441	0.00	0.222	11.23	12.00	1.194	76.68	1.304	0.346	89#
	Level1		Right Tilt	0	39	2441	-0.10	0.026	11.23	12.00	1.194	76.68	1.304	0.040	/
Ant.0	Level7	DH5	Left Cheek	0	39	2441	0.19	0.088	9.21	10.00	1.199	76.68	1.304	0.138	/
	Level7		Left Tilt	0	39	2441	0.15	0.019	9.21	10.00	1.199	76.68	1.304	0.030	/
	Level7		Right Cheek	0	39	2441	-0.11	0.127	9.21	10.00	1.199	76.68	1.304	0.199	/
	Level7		Right Tilt	0	39	2441	0.14	0.017	9.21	10.00	1.199	76.68	1.304	0.027	/
Body-worm(Open)															
Ant.12	Level8	DH5	Front Side	15	39	2441	-0.03	0.021	11.02	12.00	1.253	76.68	1.304	0.034	/
	Level8		Back Side	15	39	2441	0.14	0.011	11.02	12.00	1.253	76.68	1.304	0.018	/
Ant.0	Level8	DH5	Front Side	15	39	2441	0.11	0.034	11.23	12.00	1.194	76.68	1.304	0.053	90#
	Level8	DH5	Back Side	15	39	2441	0.10	0.018	11.23	12.00	1.194	76.68	1.304	0.028	/
	Level8		Front Side	15	39	2441	-0.03	0.021	11.02	12.00	1.253	76.68	1.304	0.034	/
Body-worm(Close)															
Ant.12	Level8	DH5	Front Side	15	39	2441	-0.06	0.008	11.02	12.00	1.253	76.68	1.304	0.013	/
	Level8		Back Side	15	39	2441	0.15	0.004	11.02	12.00	1.253	76.68	1.304	0.007	/
Ant.0	Level8	DH5	Front Side	15	39	2441	0.15	0.013	11.23	12.00	1.194	76.68	1.304	0.020	/
	Level8		Back Side	15	39	2441	-0.07	0.004	11.23	12.00	1.194	76.68	1.304	0.006	/
Hotspot(Open)															
Ant.12	Level8	DH5	Front Side	10	39	2441	0.13	0.050	11.02	12.00	1.253	76.68	1.304	0.082	/
	Level8		Back Side	10	39	2441	0.12	0.066	11.02	12.00	1.253	76.68	1.304	0.108	/
	Level8		Left Edge	10	39	2441	0.19	0.009	11.02	12.00	1.253	76.68	1.304	0.015	/
	Level8		Top Edge	10	39	2441	-0.03	0.135	11.02	12.00	1.253	76.68	1.304	0.221	91#
Ant.0	Level8	DH5	Front Side	10	39	2441	-0.11	0.012	11.23	12.00	1.194	76.68	1.304	0.019	/
	Level8		Back Side	10	39	2441	-0.06	0.060	11.23	12.00	1.194	76.68	1.304	0.093	/

	Level8		Right Edge	10	39	2441	0.00	0.011	11.23	12.00	1.194	76.68	1.304	0.017	/
	Level8		Top Edge	10	39	2441	0.04	0.008	11.23	12.00	1.194	76.68	1.304	0.012	/
Hotspot(Close)															
Ant.12	Level8	DH5	Front Side	10	39	2441	-0.15	0.012	11.02	12.00	1.253	76.68	1.304	0.020	/
	Level8		Back Side	10	39	2441	-0.09	0.006	11.02	12.00	1.253	76.68	1.304	0.010	/
	Level8		Left Edge	10	39	2441	0.19	0.011	11.02	12.00	1.253	76.68	1.304	0.018	/
	Level8		Bottom Edge	10	39	2441	-0.05	0.043	11.02	12.00	1.253	76.68	1.304	0.070	/
Ant.0	Level8	DH5	Front Side	10	39	2441	-0.19	0.014	11.23	12.00	1.194	76.68	1.304	0.022	/
	Level8		Back Side	10	39	2441	0.18	0.006	11.23	12.00	1.194	76.68	1.304	0.009	/
	Level8		Right Edge	10	39	2441	-0.16	0.002	11.23	12.00	1.194	76.68	1.304	0.003	/
	Level8		Top Edge	10	39	2441	0.12	0.001	11.23	12.00	1.194	76.68	1.304	0.002	/

12 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated^{1th} Measured SAR (W/kg)	Largest to Smallest SAR Radio
750	LTE Band12	Head	Right Cheek	0.994	Yes	0.968	1.03
750	n12	Head	Right Cheek	0.841	Yes	0.805	1.04
1700	WCDMA band 4	Head	Right Cheek	0.994	Yes	0.968	1.03
1700	LTE band 4	Head	Right Cheek	0.882	Yes	0.859	1.03
1700	LTE band 66	Head	Right Cheek	0.965	Yes	0.943	1.02
1900	WCDMA band 2	Head	Right Cheek	0.934	Yes	0.902	1.04
1900	LTE band 2	Head	Right Cheek	0.861	Yes	0.832	1.03
1900	n2	Head	Right Cheek	1.070	Yes	1.020	1.05
2600	LTE band 7	Head	Right Cheek	0.850	Yes	0.832	1.02
2600	n7	Head	Right Cheek	0.976	Yes	0.948	1.03
2600	N38	Head	Right Cheek	0.964	Yes	0.925	1.04
2600	n41	Head	Right Cheek	0.977	Yes	0.945	1.03
2600	n41	Limb	Left Edge	2.110	Yes	2.050	1.03

5600	WLAN 5.6G	Head	Left Check	0.998	Yes	0.965	1.03
5750	WLAN 5.8G	Head	Left Check	0.864	Yes	0.823	1.05

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

13 SIMULTANEOUS TRANSMISSION

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

13.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot	Limb
1	GSM + WiFi 2.4G (SISO/MIMO)	Yes	Yes	Yes	Yes
2	UMTS + WiFi 2.4G (SISO/MIMO)	Yes	Yes	Yes	Yes
3	LTE + WiFi 2.4G (SISO/MIMO)	Yes	Yes	Yes	Yes
4	NR + WiFi 2.4G (SISO/MIMO)	Yes	Yes	Yes	Yes
5	NSA + WiFi 2.4G (SISO/MIMO)	Yes	Yes	Yes	Yes
6	GSM + 5G WIFI(SISO/MIMO) + Bluetooth	Yes	Yes	Yes	Yes
7	UMTS + 5G WIFI (SISO/MIMO)+ Bluetooth	Yes	Yes	Yes	Yes
8	LTE + 5G WIFI (SISO/MIMO)+ Bluetooth	Yes	Yes	Yes	Yes
9	NR + 5G WIFI (SISO/MIMO)+ Bluetooth	Yes	Yes	Yes	Yes
10	NSA + 5G WIFI (SISO/MIMO)+ Bluetooth	Yes	Yes	Yes	Yes
11	GSM + 2.4G WIFI(Chain 0) + 5G WIFI(Chain 1)	Yes	Yes	Yes	Yes
12	UMTS + 2.4G WIFI(Chain 0) + 5G WIFI(Chain 1)	Yes	Yes	Yes	Yes
13	LTE + 2.4G WIFI(Chain 0) + 5G WIFI(Chain 1)	Yes	Yes	Yes	Yes
14	NR + 2.4G WIFI(Chain 0) + 5G WIFI(Chain 1)	Yes	Yes	Yes	Yes
15	NSA + 2.4G WIFI(Chain 0) + 5G WIFI(Chain 1)	Yes	Yes	Yes	Yes
16	GSM + 2.4G WIFI(Chain 1) + 5G WIFI(Chain 0)	Yes	Yes	Yes	Yes
17	UMTS + 2.4G WIFI(Chain 1) + 5G WIFI(Chain 0)	Yes	Yes	Yes	Yes
18	LTE + 2.4G WIFI(Chain 1) + 5G WIFI(Chain 0)	Yes	Yes	Yes	Yes
19	NR + 2.4G WIFI(Chain 1) + 5G WIFI(Chain 0)	Yes	Yes	Yes	Yes
20	NSA + 2.4G WIFI(Chain 1) + 5G WIFI(Chain 0)	Yes	Yes	Yes	Yes
21	GSM + 2.4G WIFI(Chain 1) +Bluetooth(Chain 0)	Yes	Yes	Yes	Yes
22	UMTS + 2.4G WIFI(Chain 1) +Bluetooth(Chain 0)	Yes	Yes	Yes	Yes
23	LTE + 2.4G WIFI(Chain 1) +Bluetooth(Chain 0)	Yes	Yes	Yes	Yes
24	NR + 2.4G WIFI(Chain 1) +Bluetooth(Chain 0)	Yes	Yes	Yes	Yes
25	NSA + 2.4G WIFI(Chain 1) +Bluetooth(Chain 0)	Yes	Yes	Yes	Yes
26	GSM + 2.4G WIFI(Chain 0) +Bluetooth(Chain 1)	Yes	Yes	Yes	Yes
27	UMTS + 2.4G WIFI(Chain 0) +Bluetooth(Chain 1)	Yes	Yes	Yes	Yes

28	LTE + 2.4G WIFI(Chain 0) +Bluetooth(Chain 1)	Yes	Yes	Yes	Yes
29	NR + 2.4G WIFI(Chain 0) +Bluetooth(Chain 1)	Yes	Yes	Yes	Yes
30	NSA + 2.4G WIFI(Chain 0) +Bluetooth(Chain 1)	Yes	Yes	Yes	Yes

Note:

1. 2G&3G&4G&5G share the same antenna and can't transmit simultaneously.
2. The maximum SAR summation is calculated based on the same configuration and test position.
3. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
4. This device 2.4GHz WLAN/5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WiFi Direct (GC/GO), and 5.3GHz WLAN/5.5GHz WLAN supports WiFi Direct (GC only)
5. Standalone SAR power level is higher or equal than single carrier for LTE bands when sum SAR for EN-DC whatever full power state or reduced power state. Standalone SAR is higher than single carrier SAR for LTE bands power level that combination to EN-DC. So summed EN-DC SAR is more conservative.
6. For EN-DC simultaneous transmission evaluation, test positions and test channels used for the testing below are based on the standalone SAR result. When the EN-DC active the LTE Anchors band or NR band output power is equal or less than the standalone output power for each frequency bands and each RF Exposure condition, therefore, LTE Anchors band or NR band power and SAR was estimated based on standalone results to performed simultaneous transmission evaluation with 5G NR, WLAN and Bluetooth.
7. The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations is shown in this report.
8. For EN DC and WLAN simultaneous transmission selected the large SAR values between EUT Close and Open state to calculate simultaneous transmission with WLAN and/or Bluetooth.

13.3 Sum SAR of Simultaneous Transmission

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

Band	Antenna	Position	Stand alone SAR			SUM SAR	
			1	2	3		
			WWAN	2.4GWIFI(MAX)	Max.5GWIFI(MAX)	Sum SAR (1+2)	Sum SAR (1+3)
			State6	Level2	Level5&6		
GSM850	ANT0	Left Cheek	0.158	0.311	0.618	0.469	0.776
		Left Tilt	0.07	0.281	0.514	0.351	0.584
		Right Cheek	0.364	0.432	0.273	0.796	0.637
		Right Tilt	0.105	0.270	0.295	0.375	0.400
GSM850	ANT1	Left Cheek	0.095	0.311	0.618	0.406	0.713
		Left Tilt	0.046	0.281	0.514	0.327	0.560
		Right Cheek	0.061	0.432	0.273	0.493	0.334
		Right Tilt	0.028	0.270	0.295	0.298	0.323
GSM1900	ANT4	Left Cheek	0.18	0.311	0.618	0.491	0.798
		Left Tilt	0.235	0.281	0.514	0.516	0.749
		Right Cheek	0.409	0.432	0.273	0.841	0.682
		Right Tilt	0.276	0.270	0.295	0.546	0.571
GSM1900	ANT5	Left Cheek	0.271	0.311	0.618	0.582	0.889
		Left Tilt	0.078	0.281	0.514	0.359	0.592
		Right Cheek	0.516	0.432	0.273	0.948	0.789
		Right Tilt	0.054	0.270	0.295	0.324	0.349
WCDMA B2	ANT4	Left Cheek	0.215	0.311	0.618	0.526	0.833
		Left Tilt	0.305	0.281	0.514	0.586	0.819
		Right Cheek	0.515	0.432	0.273	0.947	0.788
		Right Tilt	0.338	0.270	0.295	0.608	0.633
WCDMA B2	ANT5	Left Cheek	0.18	0.311	0.618	0.491	0.798
		Left Tilt	0.061	0.281	0.514	0.342	0.575
		Right Cheek	0.446	0.432	0.273	0.878	0.719
		Right Tilt	0.052	0.270	0.295	0.322	0.347
WCDMA B4	ANT4	Left Cheek	0.253	0.311	0.618	0.564	0.871
		Left Tilt	0.317	0.281	0.514	0.598	0.831
		Right Cheek	0.536	0.432	0.273	0.968	0.809
		Right Tilt	0.393	0.270	0.295	0.663	0.688
WCDMA B4	ANT5	Left Cheek	0.163	0.311	0.618	0.474	0.781
		Left Tilt	0.062	0.281	0.514	0.343	0.576
		Right Cheek	0.349	0.432	0.273	0.781	0.622
		Right Tilt	0.136	0.270	0.295	0.406	0.431
WCDMA B5	ANT0	Left Cheek	0.172	0.311	0.618	0.483	0.790
		Left Tilt	0.066	0.281	0.514	0.347	0.580

		Right Cheek	0.429	0.432	0.273	0.861	0.702
		Right Tilt	0.11	0.270	0.295	0.380	0.405
WCDMA B5	ANT1	Left Cheek	0.082	0.311	0.618	0.393	0.700
		Left Tilt	0.041	0.281	0.514	0.322	0.555
		Right Cheek	0.057	0.432	0.273	0.489	0.330
		Right Tilt	0.03	0.270	0.295	0.300	0.325
LTE B2	ANT4	Left Cheek	0.243	0.311	0.618	0.554	0.861
		Left Tilt	0.333	0.281	0.514	0.614	0.847
		Right Cheek	0.534	0.432	0.273	0.966	0.807
		Right Tilt	0.36	0.270	0.295	0.630	0.655
LTE B2	ANT5	Left Cheek	0.27	0.311	0.618	0.581	0.888
		Left Tilt	0.088	0.281	0.514	0.369	0.602
		Right Cheek	0.539	0.432	0.273	0.971	0.812
		Right Tilt	0.071	0.270	0.295	0.341	0.366
LTE B4	ANT4	Left Cheek	0.264	0.311	0.618	0.575	0.882
		Left Tilt	0.301	0.281	0.514	0.582	0.815
		Right Cheek	0.489	0.432	0.273	0.921	0.762
		Right Tilt	0.373	0.270	0.295	0.643	0.668
LTE B4	ANT5	Left Cheek	0.178	0.311	0.618	0.489	0.796
		Left Tilt	0.025	0.281	0.514	0.306	0.539
		Right Cheek	0.359	0.432	0.273	0.791	0.632
		Right Tilt	0.062	0.270	0.295	0.332	0.357
LTE B5	ANT0	Left Cheek	0.169	0.311	0.618	0.480	0.787
		Left Tilt	0.054	0.281	0.514	0.335	0.568
		Right Cheek	0.365	0.432	0.273	0.797	0.638
		Right Tilt	0.094	0.270	0.295	0.364	0.389
LTE B5	ANT1	Left Cheek	0.091	0.311	0.618	0.402	0.709
		Left Tilt	0.041	0.281	0.514	0.322	0.555
		Right Cheek	0.051	0.432	0.273	0.483	0.324
		Right Tilt	0.027	0.270	0.295	0.297	0.322
LTE B7	ANT4	Left Cheek	0.21	0.311	0.618	0.521	0.828
		Left Tilt	0.289	0.281	0.514	0.570	0.803
		Right Cheek	0.508	0.432	0.273	0.940	0.781
		Right Tilt	0.345	0.270	0.295	0.615	0.640
LTE B7	ANT5	Left Cheek	0.308	0.311	0.618	0.619	0.926
		Left Tilt	0.048	0.281	0.514	0.329	0.562
		Right Cheek	0.352	0.432	0.273	0.784	0.625
		Right Tilt	0.039	0.270	0.295	0.309	0.334
LTE B12	ANT0	Left Cheek	0.129	0.311	0.618	0.440	0.747
		Left Tilt	0.054	0.281	0.514	0.335	0.568
		Right Cheek	0.316	0.432	0.273	0.748	0.589
		Right Tilt	0.083	0.270	0.295	0.353	0.378
LTE B12	ANT1	Left Cheek	0.088	0.311	0.618	0.399	0.706

		Left Tilt	0.042	0.281	0.514	0.323	0.556
		Right Cheek	0.054	0.432	0.273	0.486	0.327
		Right Tilt	0.025	0.270	0.295	0.295	0.320
LTE B17	ANT0	Left Cheek	0.131	0.311	0.618	0.442	0.749
		Left Tilt	0.057	0.281	0.514	0.338	0.571
		Right Cheek	0.343	0.432	0.273	0.775	0.616
		Right Tilt	0.084	0.270	0.295	0.354	0.379
LTE B17	ANT1	Left Cheek	0.095	0.311	0.618	0.406	0.713
		Left Tilt	0.05	0.281	0.514	0.331	0.564
		Right Cheek	0.052	0.432	0.273	0.484	0.325
		Right Tilt	0.03	0.270	0.295	0.300	0.325
LTE B26	ANT0	Left Cheek	0.166	0.311	0.618	0.477	0.784
		Left Tilt	0.061	0.281	0.514	0.342	0.575
		Right Cheek	0.395	0.432	0.273	0.827	0.668
		Right Tilt	0.098	0.270	0.295	0.368	0.393
LTE B26	ANT1	Left Cheek	0.076	0.311	0.618	0.387	0.694
		Left Tilt	0.031	0.281	0.514	0.312	0.545
		Right Cheek	0.041	0.432	0.273	0.473	0.314
		Right Tilt	0.02	0.270	0.295	0.290	0.315
LTE B66	ANT4	Left Cheek	0.429	0.311	0.618	0.740	1.047
		Left Tilt	0.571	0.281	0.514	0.852	1.085
		Right Cheek	1.147	0.432	0.273	1.579	1.420
		Right Tilt	0.655	0.270	0.295	0.925	0.950
LTE B66	ANT5	Left Cheek	0.147	0.311	0.618	0.458	0.765
		Left Tilt	0.038	0.281	0.514	0.319	0.552
		Right Cheek	0.322	0.432	0.273	0.754	0.595
		Right Tilt	0.063	0.270	0.295	0.333	0.358
LTE B38	ANT4	Left Cheek	0.297	0.311	0.618	0.608	0.915
		Left Tilt	0.408	0.281	0.514	0.689	0.922
		Right Cheek	0.677	0.432	0.273	1.109	0.950
		Right Tilt	0.488	0.270	0.295	0.758	0.783
LTE B38	ANT5	Left Cheek	0.312	0.311	0.618	0.623	0.930
		Left Tilt	0.056	0.281	0.514	0.337	0.570
		Right Cheek	0.397	0.432	0.273	0.829	0.670
		Right Tilt	0.049	0.270	0.295	0.319	0.344
LTE B41	ANT4	Left Cheek	0.066	0.311	0.618	0.377	0.684
		Left Tilt	0.148	0.281	0.514	0.429	0.662
		Right Cheek	0.289	0.432	0.273	0.721	0.562
		Right Tilt	0.195	0.270	0.295	0.465	0.490
LTE B41	ANT5	Left Cheek	0.205	0.311	0.618	0.516	0.823
		Left Tilt	0.039	0.281	0.514	0.320	0.553
		Right Cheek	0.252	0.432	0.273	0.684	0.525
		Right Tilt	0.033	0.270	0.295	0.303	0.328

N2	ANT4	Left Cheek	0.211	0.311	0.618	0.522	0.829
		Left Tilt	0.298	0.281	0.514	0.579	0.812
		Right Cheek	0.463	0.432	0.273	0.895	0.736
		Right Tilt	0.352	0.270	0.295	0.622	0.647
N2	ANT5	Left Cheek	0.422	0.311	0.618	0.733	1.040
		Left Tilt	0.136	0.281	0.514	0.417	0.650
		Right Cheek	0.883	0.432	0.273	1.315	1.156
		Right Tilt	0.099	0.270	0.295	0.369	0.394
N5	ANT0	Left Cheek	0.17	0.311	0.618	0.481	0.788
		Left Tilt	0.07	0.281	0.514	0.351	0.584
		Right Cheek	0.421	0.432	0.273	0.853	0.694
		Right Tilt	0.128	0.270	0.295	0.398	0.423
N5	ANT1	Left Cheek	0.069	0.311	0.618	0.380	0.687
		Left Tilt	0.026	0.281	0.514	0.307	0.540
		Right Cheek	0.056	0.432	0.273	0.488	0.329
		Right Tilt	0.016	0.270	0.295	0.286	0.311
N7	ANT4	Left Cheek	0.191	0.311	0.618	0.502	0.809
		Left Tilt	0.259	0.281	0.514	0.540	0.773
		Right Cheek	0.475	0.432	0.273	0.907	0.748
		Right Tilt	0.291	0.270	0.295	0.561	0.586
N7	ANT5	Left Cheek	0.53	0.311	0.618	0.841	1.148
		Left Tilt	0.099	0.281	0.514	0.380	0.613
		Right Cheek	0.781	0.432	0.273	1.213	1.054
		Right Tilt	0.088	0.270	0.295	0.358	0.383
N12	ANT0	Left Cheek	0.176	0.311	0.618	0.487	0.794
		Left Tilt	0.074	0.281	0.514	0.355	0.588
		Right Cheek	0.452	0.432	0.273	0.884	0.725
		Right Tilt	0.115	0.270	0.295	0.385	0.410
N12	ANT1	Left Cheek	0.054	0.311	0.618	0.365	0.672
		Left Tilt	0.026	0.281	0.514	0.307	0.540
		Right Cheek	0.045	0.432	0.273	0.477	0.318
		Right Tilt	0.019	0.270	0.295	0.289	0.314
N38	ANT4	Left Cheek	0.227	0.311	0.618	0.538	0.845
		Left Tilt	0.307	0.281	0.514	0.588	0.821
		Right Cheek	0.509	0.432	0.273	0.941	0.782
		Right Tilt	0.353	0.270	0.295	0.623	0.648
N38	ANT5	Left Cheek	0.425	0.311	0.618	0.736	1.043
		Left Tilt	0.104	0.281	0.514	0.385	0.618
		Right Cheek	0.609	0.432	0.273	1.041	0.882
		Right Tilt	0.083	0.270	0.295	0.353	0.378
N41	ANT4	Left Cheek	0.228	0.311	0.618	0.539	0.846
		Left Tilt	0.319	0.281	0.514	0.600	0.833
		Right Cheek	0.523	0.432	0.273	0.955	0.796

		Right Tilt	0.38	0.270	0.295	0.650	0.675
N41	ANT5	Left Cheek	0.457	0.311	0.618	0.768	1.075
		Left Tilt	0.089	0.281	0.514	0.370	0.603
		Right Cheek	0.755	0.432	0.273	1.187	1.028
		Right Tilt	0.083	0.270	0.295	0.353	0.378
N66	ANT4	Left Cheek	0.311	0.311	0.618	0.622	0.929
		Left Tilt	0.458	0.281	0.514	0.739	0.972
		Right Cheek	0.781	0.432	0.273	1.213	1.054
		Right Tilt	0.611	0.270	0.295	0.881	0.906
N66	ANT5	Left Cheek	0.189	0.311	0.618	0.500	0.807
		Left Tilt	0.059	0.281	0.514	0.340	0.573
		Right Cheek	0.388	0.432	0.273	0.820	0.661
		Right Tilt	0.067	0.270	0.295	0.337	0.362

Note:

1: The highest Summed 1g SAR is 1.579 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

Band	Antenna	Position	Stand alone SAR					SUM SAR		
			1	2	3	4	5			
			WWAN	2.4GWIFI (MAX)	Max.5GWIFI (MAX)	Max.5GWIFI (MAX)	Bluetooth(MAX)	Sum SAR （1+2+3）	Sum SAR （1+2+5）	Sum SAR （1+4+5）
			State6	Level5&6	Level5	Level6				
GSM850	ANT0	Left Cheek	0.158	0.125	0.390	0.295	0.198	0.673	0.481	0.651
		Left Tilt	0.07	0.121	0.311	0.245	0.106	0.502	0.297	0.421
		Right Cheek	0.364	0.174	0.161	0.129	0.268	0.699	0.806	0.761
		Right Tilt	0.105	0.122	0.172	0.151	0.108	0.399	0.335	0.364
GSM850	ANT1	Left Cheek	0.095	0.125	0.390	0.295	0.198	0.610	0.418	0.588
		Left Tilt	0.046	0.121	0.311	0.245	0.106	0.478	0.273	0.397
		Right Cheek	0.061	0.174	0.161	0.129	0.268	0.396	0.503	0.458
		Right Tilt	0.028	0.122	0.172	0.151	0.108	0.322	0.258	0.287
GSM1900	ANT4	Left Cheek	0.18	0.125	0.390	0.295	0.198	0.695	0.503	0.673
		Left Tilt	0.235	0.121	0.311	0.245	0.106	0.667	0.462	0.586
		Right Cheek	0.409	0.174	0.161	0.129	0.268	0.744	0.851	0.806
		Right Tilt	0.276	0.122	0.172	0.151	0.108	0.570	0.506	0.535
GSM1900	ANT5	Left Cheek	0.271	0.125	0.390	0.295	0.198	0.786	0.594	0.764
		Left Tilt	0.078	0.121	0.311	0.245	0.106	0.510	0.305	0.429
		Right Cheek	0.516	0.174	0.161	0.129	0.268	0.851	0.958	0.913
		Right Tilt	0.054	0.122	0.172	0.151	0.108	0.348	0.284	0.313
WCDMA B2	ANT4	Left Cheek	0.215	0.125	0.390	0.295	0.198	0.730	0.538	0.708
		Left Tilt	0.305	0.121	0.311	0.245	0.106	0.737	0.532	0.656

		Right Cheek	0.515	0.174	0.161	0.129	0.268	0.850	0.957	0.912
		Right Tilt	0.338	0.122	0.172	0.151	0.108	0.632	0.568	0.597
WCDMA B2	ANT5	Left Cheek	0.18	0.125	0.390	0.295	0.198	0.695	0.503	0.673
		Left Tilt	0.061	0.121	0.311	0.245	0.106	0.493	0.288	0.412
		Right Cheek	0.446	0.174	0.161	0.129	0.268	0.781	0.888	0.843
		Right Tilt	0.052	0.122	0.172	0.151	0.108	0.346	0.282	0.311
WCDMA B4	ANT4	Left Cheek	0.253	0.125	0.390	0.295	0.198	0.768	0.576	0.746
		Left Tilt	0.317	0.121	0.311	0.245	0.106	0.749	0.544	0.668
		Right Cheek	0.536	0.174	0.161	0.129	0.268	0.871	0.978	0.933
		Right Tilt	0.393	0.122	0.172	0.151	0.108	0.687	0.623	0.652
WCDMA B4	ANT5	Left Cheek	0.163	0.125	0.390	0.295	0.198	0.678	0.486	0.656
		Left Tilt	0.062	0.121	0.311	0.245	0.106	0.494	0.289	0.413
		Right Cheek	0.349	0.174	0.161	0.129	0.268	0.684	0.791	0.746
		Right Tilt	0.136	0.122	0.172	0.151	0.108	0.430	0.366	0.395
WCDMA B5	ANT0	Left Cheek	0.172	0.125	0.390	0.295	0.198	0.687	0.495	0.665
		Left Tilt	0.066	0.121	0.311	0.245	0.106	0.498	0.293	0.417
		Right Cheek	0.429	0.174	0.161	0.129	0.268	0.764	0.871	0.826
		Right Tilt	0.11	0.122	0.172	0.151	0.108	0.404	0.340	0.369
WCDMA B5	ANT1	Left Cheek	0.082	0.125	0.390	0.295	0.198	0.597	0.405	0.575
		Left Tilt	0.041	0.121	0.311	0.245	0.106	0.473	0.268	0.392
		Right Cheek	0.057	0.174	0.161	0.129	0.268	0.392	0.499	0.454
		Right Tilt	0.03	0.122	0.172	0.151	0.108	0.324	0.260	0.289
LTE B2	ANT4	Left Cheek	0.243	0.125	0.390	0.295	0.198	0.758	0.566	0.736
		Left Tilt	0.333	0.121	0.311	0.245	0.106	0.765	0.560	0.684
		Right Cheek	0.534	0.174	0.161	0.129	0.268	0.869	0.976	0.931
		Right Tilt	0.36	0.122	0.172	0.151	0.108	0.654	0.590	0.619
LTE B2	ANT5	Left Cheek	0.27	0.125	0.390	0.295	0.198	0.785	0.593	0.763
		Left Tilt	0.088	0.121	0.311	0.245	0.106	0.520	0.315	0.439
		Right Cheek	0.539	0.174	0.161	0.129	0.268	0.874	0.981	0.936
		Right Tilt	0.071	0.122	0.172	0.151	0.108	0.365	0.301	0.330
LTE B4	ANT4	Left Cheek	0.264	0.125	0.390	0.295	0.198	0.779	0.587	0.757
		Left Tilt	0.301	0.121	0.311	0.245	0.106	0.733	0.528	0.652
		Right Cheek	0.489	0.174	0.161	0.129	0.268	0.824	0.931	0.886
		Right Tilt	0.373	0.122	0.172	0.151	0.108	0.667	0.603	0.632
LTE B4	ANT5	Left Cheek	0.178	0.125	0.390	0.295	0.198	0.693	0.501	0.671
		Left Tilt	0.025	0.121	0.311	0.245	0.106	0.457	0.252	0.376
		Right Cheek	0.359	0.174	0.161	0.129	0.268	0.694	0.801	0.756
		Right Tilt	0.062	0.122	0.172	0.151	0.108	0.356	0.292	0.321
LTE B5	ANT0	Left Cheek	0.169	0.125	0.390	0.295	0.198	0.684	0.492	0.662
		Left Tilt	0.054	0.121	0.311	0.245	0.106	0.486	0.281	0.405
		Right Cheek	0.365	0.174	0.161	0.129	0.268	0.700	0.807	0.762
		Right Tilt	0.094	0.122	0.172	0.151	0.108	0.388	0.324	0.353
LTE B5	ANT1	Left Cheek	0.091	0.125	0.390	0.295	0.198	0.606	0.414	0.584

		Left Tilt	0.041	0.121	0.311	0.245	0.106	0.473	0.268	0.392
		Right Cheek	0.051	0.174	0.161	0.129	0.268	0.386	0.493	0.448
		Right Tilt	0.027	0.122	0.172	0.151	0.108	0.321	0.257	0.286
LTE B7	ANT4	Left Cheek	0.21	0.125	0.390	0.295	0.198	0.725	0.533	0.703
		Left Tilt	0.289	0.121	0.311	0.245	0.106	0.721	0.516	0.640
		Right Cheek	0.508	0.174	0.161	0.129	0.268	0.843	0.950	0.905
		Right Tilt	0.345	0.122	0.172	0.151	0.108	0.639	0.575	0.604
LTE B7	ANT5	Left Cheek	0.308	0.125	0.390	0.295	0.198	0.823	0.631	0.801
		Left Tilt	0.048	0.121	0.311	0.245	0.106	0.480	0.275	0.399
		Right Cheek	0.352	0.174	0.161	0.129	0.268	0.687	0.794	0.749
		Right Tilt	0.039	0.122	0.172	0.151	0.108	0.333	0.269	0.298
LTE B12	ANT0	Left Cheek	0.129	0.125	0.390	0.295	0.198	0.644	0.452	0.622
		Left Tilt	0.054	0.121	0.311	0.245	0.106	0.486	0.281	0.405
		Right Cheek	0.316	0.174	0.161	0.129	0.268	0.651	0.758	0.713
		Right Tilt	0.083	0.122	0.172	0.151	0.108	0.377	0.313	0.342
LTE B12	ANT1	Left Cheek	0.088	0.125	0.390	0.295	0.198	0.603	0.411	0.581
		Left Tilt	0.042	0.121	0.311	0.245	0.106	0.474	0.269	0.393
		Right Cheek	0.054	0.174	0.161	0.129	0.268	0.389	0.496	0.451
		Right Tilt	0.025	0.122	0.172	0.151	0.108	0.319	0.255	0.284
LTE B17	ANT0	Left Cheek	0.131	0.125	0.390	0.295	0.198	0.646	0.454	0.624
		Left Tilt	0.057	0.121	0.311	0.245	0.106	0.489	0.284	0.408
		Right Cheek	0.343	0.174	0.161	0.129	0.268	0.678	0.785	0.740
		Right Tilt	0.084	0.122	0.172	0.151	0.108	0.378	0.314	0.343
LTE B17	ANT1	Left Cheek	0.095	0.125	0.390	0.295	0.198	0.610	0.418	0.588
		Left Tilt	0.05	0.121	0.311	0.245	0.106	0.482	0.277	0.401
		Right Cheek	0.052	0.174	0.161	0.129	0.268	0.387	0.494	0.449
		Right Tilt	0.03	0.122	0.172	0.151	0.108	0.324	0.260	0.289
LTE B26	ANT0	Left Cheek	0.166	0.125	0.390	0.295	0.198	0.681	0.489	0.659
		Left Tilt	0.061	0.121	0.311	0.245	0.106	0.493	0.288	0.412
		Right Cheek	0.395	0.174	0.161	0.129	0.268	0.730	0.837	0.792
		Right Tilt	0.098	0.122	0.172	0.151	0.108	0.392	0.328	0.357
LTE B26	ANT1	Left Cheek	0.076	0.125	0.390	0.295	0.198	0.591	0.399	0.569
		Left Tilt	0.031	0.121	0.311	0.245	0.106	0.463	0.258	0.382
		Right Cheek	0.041	0.174	0.161	0.129	0.268	0.376	0.483	0.438
		Right Tilt	0.02	0.122	0.172	0.151	0.108	0.314	0.250	0.279
LTE B66	ANT4	Left Cheek	0.429	0.125	0.390	0.295	0.198	0.944	0.752	0.922
		Left Tilt	0.571	0.121	0.311	0.245	0.106	1.003	0.798	0.922
		Right Cheek	1.147	0.174	0.161	0.129	0.268	1.482	1.589	1.544
		Right Tilt	0.655	0.122	0.172	0.151	0.108	0.949	0.885	0.914
LTE B66	ANT5	Left Cheek	0.147	0.125	0.390	0.295	0.198	0.662	0.470	0.640
		Left Tilt	0.038	0.121	0.311	0.245	0.106	0.470	0.265	0.389
		Right Cheek	0.322	0.174	0.161	0.129	0.268	0.657	0.764	0.719
		Right Tilt	0.063	0.122	0.172	0.151	0.108	0.357	0.293	0.322

LTE B38	ANT4	Left Cheek	0.297	0.125	0.390	0.295	0.198	0.812	0.620	0.790
		Left Tilt	0.408	0.121	0.311	0.245	0.106	0.840	0.635	0.759
		Right Cheek	0.677	0.174	0.161	0.129	0.268	1.012	1.119	1.074
		Right Tilt	0.488	0.122	0.172	0.151	0.108	0.782	0.718	0.747
LTE B38	ANT5	Left Cheek	0.312	0.125	0.390	0.295	0.198	0.827	0.635	0.805
		Left Tilt	0.056	0.121	0.311	0.245	0.106	0.488	0.283	0.407
		Right Cheek	0.397	0.174	0.161	0.129	0.268	0.732	0.839	0.794
		Right Tilt	0.049	0.122	0.172	0.151	0.108	0.343	0.279	0.308
LTE B41	ANT4	Left Cheek	0.066	0.125	0.390	0.295	0.198	0.581	0.389	0.559
		Left Tilt	0.148	0.121	0.311	0.245	0.106	0.580	0.375	0.499
		Right Cheek	0.289	0.174	0.161	0.129	0.268	0.624	0.731	0.686
		Right Tilt	0.195	0.122	0.172	0.151	0.108	0.489	0.425	0.454
LTE B41	ANT5	Left Cheek	0.205	0.125	0.390	0.295	0.198	0.720	0.528	0.698
		Left Tilt	0.039	0.121	0.311	0.245	0.106	0.471	0.266	0.390
		Right Cheek	0.252	0.174	0.161	0.129	0.268	0.587	0.694	0.649
		Right Tilt	0.033	0.122	0.172	0.151	0.108	0.327	0.263	0.292
N2	ANT4	Left Cheek	0.211	0.125	0.390	0.295	0.198	0.726	0.534	0.704
		Left Tilt	0.298	0.121	0.311	0.245	0.106	0.730	0.525	0.649
		Right Cheek	0.463	0.174	0.161	0.129	0.268	0.798	0.905	0.860
		Right Tilt	0.352	0.122	0.172	0.151	0.108	0.646	0.582	0.611
N2	ANT5	Left Cheek	0.422	0.125	0.390	0.295	0.198	0.937	0.745	0.915
		Left Tilt	0.136	0.121	0.311	0.245	0.106	0.568	0.363	0.487
		Right Cheek	0.883	0.174	0.161	0.129	0.268	1.218	1.325	1.280
		Right Tilt	0.099	0.122	0.172	0.151	0.108	0.393	0.329	0.358
N5	ANT0	Left Cheek	0.17	0.125	0.390	0.295	0.198	0.685	0.493	0.663
		Left Tilt	0.07	0.121	0.311	0.245	0.106	0.502	0.297	0.421
		Right Cheek	0.421	0.174	0.161	0.129	0.268	0.756	0.863	0.818
		Right Tilt	0.128	0.122	0.172	0.151	0.108	0.422	0.358	0.387
N5	ANT1	Left Cheek	0.069	0.125	0.390	0.295	0.198	0.584	0.392	0.562
		Left Tilt	0.026	0.121	0.311	0.245	0.106	0.458	0.253	0.377
		Right Cheek	0.056	0.174	0.161	0.129	0.268	0.391	0.498	0.453
		Right Tilt	0.016	0.122	0.172	0.151	0.108	0.310	0.246	0.275
N7	ANT4	Left Cheek	0.191	0.125	0.390	0.295	0.198	0.706	0.514	0.684
		Left Tilt	0.259	0.121	0.311	0.245	0.106	0.691	0.486	0.610
		Right Cheek	0.475	0.174	0.161	0.129	0.268	0.810	0.917	0.872
		Right Tilt	0.291	0.122	0.172	0.151	0.108	0.585	0.521	0.550
N7	ANT5	Left Cheek	0.53	0.125	0.390	0.295	0.198	1.045	0.853	1.023
		Left Tilt	0.099	0.121	0.311	0.245	0.106	0.531	0.326	0.450
		Right Cheek	0.781	0.174	0.161	0.129	0.268	1.116	1.223	1.178
		Right Tilt	0.088	0.122	0.172	0.151	0.108	0.382	0.318	0.347
N12	ANT0	Left Cheek	0.176	0.125	0.390	0.295	0.198	0.691	0.499	0.669
		Left Tilt	0.074	0.121	0.311	0.245	0.106	0.506	0.301	0.425
		Right Cheek	0.452	0.174	0.161	0.129	0.268	0.787	0.894	0.849

		Right Tilt	0.115	0.122	0.172	0.151	0.108	0.409	0.345	0.374
N12	ANT1	Left Cheek	0.054	0.125	0.390	0.295	0.198	0.569	0.377	0.547
		Left Tilt	0.026	0.121	0.311	0.245	0.106	0.458	0.253	0.377
		Right Cheek	0.045	0.174	0.161	0.129	0.268	0.380	0.487	0.442
		Right Tilt	0.019	0.122	0.172	0.151	0.108	0.313	0.249	0.278
N38	ANT4	Left Cheek	0.227	0.125	0.390	0.295	0.198	0.742	0.550	0.720
		Left Tilt	0.307	0.121	0.311	0.245	0.106	0.739	0.534	0.658
		Right Cheek	0.509	0.174	0.161	0.129	0.268	0.844	0.951	0.906
		Right Tilt	0.353	0.122	0.172	0.151	0.108	0.647	0.583	0.612
N38	ANT5	Left Cheek	0.425	0.125	0.390	0.295	0.198	0.940	0.748	0.918
		Left Tilt	0.104	0.121	0.311	0.245	0.106	0.536	0.331	0.455
		Right Cheek	0.609	0.174	0.161	0.129	0.268	0.944	1.051	1.006
		Right Tilt	0.083	0.122	0.172	0.151	0.108	0.377	0.313	0.342
N41	ANT4	Left Cheek	0.228	0.125	0.390	0.295	0.198	0.743	0.551	0.721
		Left Tilt	0.319	0.121	0.311	0.245	0.106	0.751	0.546	0.670
		Right Cheek	0.523	0.174	0.161	0.129	0.268	0.858	0.965	0.920
		Right Tilt	0.38	0.122	0.172	0.151	0.108	0.674	0.610	0.639
N41	ANT5	Left Cheek	0.457	0.125	0.390	0.295	0.198	0.972	0.780	0.950
		Left Tilt	0.089	0.121	0.311	0.245	0.106	0.521	0.316	0.440
		Right Cheek	0.755	0.174	0.161	0.129	0.268	1.090	1.197	1.152
		Right Tilt	0.083	0.122	0.172	0.151	0.108	0.377	0.313	0.342
N66	ANT4	Left Cheek	0.311	0.125	0.390	0.295	0.198	0.826	0.634	0.804
		Left Tilt	0.458	0.121	0.311	0.245	0.106	0.890	0.685	0.809
		Right Cheek	0.781	0.174	0.161	0.129	0.268	1.116	1.223	1.178
		Right Tilt	0.611	0.122	0.172	0.151	0.108	0.905	0.841	0.870
N66	ANT5	Left Cheek	0.189	0.125	0.390	0.295	0.198	0.704	0.512	0.682
		Left Tilt	0.059	0.121	0.311	0.245	0.106	0.491	0.286	0.410
		Right Cheek	0.388	0.174	0.161	0.129	0.268	0.723	0.830	0.785
		Right Tilt	0.067	0.122	0.172	0.151	0.108	0.361	0.297	0.326

Note:

1: The highest Summed 1g SAR is 1.589 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.3 Head Simultaneous Transmission SAR Evaluation for WWAN Antenna with 2.4G WLAN and 5G WLAN & Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR
			1	2	3	4	
			WWAN	2.4GWIFI(MAX)	Max.5GWIFI(MAX)	Bluetooth(MAX)	Sum SAR（1+2+3+4）
			State6	Level7	Level7		
GSM850	ANT0	Left Cheek	0.158	0.079	0.194	0.138	0.569
		Left Tilt	0.07	0.081	0.152	0.067	0.370
		Right Cheek	0.364	0.110	0.080	0.199	0.753
		Right Tilt	0.105	0.081	0.091	0.068	0.345
GSM850	ANT1	Left Cheek	0.095	0.079	0.194	0.138	0.506
		Left Tilt	0.046	0.081	0.152	0.067	0.346
		Right Cheek	0.061	0.110	0.080	0.199	0.450
		Right Tilt	0.028	0.081	0.091	0.068	0.268
GSM1900	ANT4	Left Cheek	0.18	0.079	0.194	0.138	0.591
		Left Tilt	0.235	0.081	0.152	0.067	0.535
		Right Cheek	0.409	0.110	0.080	0.199	0.798
		Right Tilt	0.276	0.081	0.091	0.068	0.516
GSM1900	ANT5	Left Cheek	0.271	0.079	0.194	0.138	0.682
		Left Tilt	0.078	0.081	0.152	0.067	0.378
		Right Cheek	0.516	0.110	0.080	0.199	0.905
		Right Tilt	0.054	0.081	0.091	0.068	0.294
WCDMA B2	ANT4	Left Cheek	0.215	0.079	0.194	0.138	0.626
		Left Tilt	0.305	0.081	0.152	0.067	0.605
		Right Cheek	0.515	0.110	0.080	0.199	0.904
		Right Tilt	0.338	0.081	0.091	0.068	0.578
WCDMA B2	ANT5	Left Cheek	0.18	0.079	0.194	0.138	0.591
		Left Tilt	0.061	0.081	0.152	0.067	0.361
		Right Cheek	0.446	0.110	0.080	0.199	0.835
		Right Tilt	0.052	0.081	0.091	0.068	0.292
WCDMA B4	ANT4	Left Cheek	0.253	0.079	0.194	0.138	0.664
		Left Tilt	0.317	0.081	0.152	0.067	0.617
		Right Cheek	0.536	0.110	0.080	0.199	0.925
		Right Tilt	0.393	0.081	0.091	0.068	0.633
WCDMA B4	ANT5	Left Cheek	0.163	0.079	0.194	0.138	0.574
		Left Tilt	0.062	0.081	0.152	0.067	0.362
		Right Cheek	0.349	0.110	0.080	0.199	0.738
		Right Tilt	0.136	0.081	0.091	0.068	0.376
WCDMA B5	ANT0	Left Cheek	0.172	0.079	0.194	0.138	0.583
		Left Tilt	0.066	0.081	0.152	0.067	0.366

		Right Cheek	0.429	0.110	0.080	0.199	0.818
		Right Tilt	0.11	0.081	0.091	0.068	0.350
WCDMA B5	ANT1	Left Cheek	0.082	0.079	0.194	0.138	0.493
		Left Tilt	0.041	0.081	0.152	0.067	0.341
		Right Cheek	0.057	0.110	0.080	0.199	0.446
		Right Tilt	0.03	0.081	0.091	0.068	0.270
LTE B2	ANT4	Left Cheek	0.243	0.079	0.194	0.138	0.654
		Left Tilt	0.333	0.081	0.152	0.067	0.633
		Right Cheek	0.534	0.110	0.080	0.199	0.923
		Right Tilt	0.36	0.081	0.091	0.068	0.600
LTE B2	ANT5	Left Cheek	0.27	0.079	0.194	0.138	0.681
		Left Tilt	0.088	0.081	0.152	0.067	0.388
		Right Cheek	0.539	0.110	0.080	0.199	0.928
		Right Tilt	0.071	0.081	0.091	0.068	0.311
LTE B4	ANT4	Left Cheek	0.264	0.079	0.194	0.138	0.675
		Left Tilt	0.301	0.081	0.152	0.067	0.601
		Right Cheek	0.489	0.110	0.080	0.199	0.878
		Right Tilt	0.373	0.081	0.091	0.068	0.613
LTE B4	ANT5	Left Cheek	0.178	0.079	0.194	0.138	0.589
		Left Tilt	0.025	0.081	0.152	0.067	0.325
		Right Cheek	0.359	0.110	0.080	0.199	0.748
		Right Tilt	0.062	0.081	0.091	0.068	0.302
LTE B5	ANT0	Left Cheek	0.169	0.079	0.194	0.138	0.580
		Left Tilt	0.054	0.081	0.152	0.067	0.354
		Right Cheek	0.365	0.110	0.080	0.199	0.754
		Right Tilt	0.094	0.081	0.091	0.068	0.334
LTE B5	ANT1	Left Cheek	0.091	0.079	0.194	0.138	0.502
		Left Tilt	0.041	0.081	0.152	0.067	0.341
		Right Cheek	0.051	0.110	0.080	0.199	0.440
		Right Tilt	0.027	0.081	0.091	0.068	0.267
LTE B7	ANT4	Left Cheek	0.21	0.079	0.194	0.138	0.621
		Left Tilt	0.289	0.081	0.152	0.067	0.589
		Right Cheek	0.508	0.110	0.080	0.199	0.897
		Right Tilt	0.345	0.081	0.091	0.068	0.585
LTE B7	ANT5	Left Cheek	0.308	0.079	0.194	0.138	0.719
		Left Tilt	0.048	0.081	0.152	0.067	0.348
		Right Cheek	0.352	0.110	0.080	0.199	0.741
		Right Tilt	0.039	0.081	0.091	0.068	0.279
LTE B12	ANT0	Left Cheek	0.129	0.079	0.194	0.138	0.540
		Left Tilt	0.054	0.081	0.152	0.067	0.354
		Right Cheek	0.316	0.110	0.080	0.199	0.705
		Right Tilt	0.083	0.081	0.091	0.068	0.323
LTE B12	ANT1	Left Cheek	0.088	0.079	0.194	0.138	0.499

		Left Tilt	0.042	0.081	0.152	0.067	0.342
		Right Cheek	0.054	0.110	0.080	0.199	0.443
		Right Tilt	0.025	0.081	0.091	0.068	0.265
LTE B17	ANT0	Left Cheek	0.131	0.079	0.194	0.138	0.542
		Left Tilt	0.057	0.081	0.152	0.067	0.357
		Right Cheek	0.343	0.110	0.080	0.199	0.732
		Right Tilt	0.084	0.081	0.091	0.068	0.324
LTE B17	ANT1	Left Cheek	0.095	0.079	0.194	0.138	0.506
		Left Tilt	0.05	0.081	0.152	0.067	0.350
		Right Cheek	0.052	0.110	0.080	0.199	0.441
		Right Tilt	0.03	0.081	0.091	0.068	0.270
LTE B26	ANT0	Left Cheek	0.166	0.079	0.194	0.138	0.577
		Left Tilt	0.061	0.081	0.152	0.067	0.361
		Right Cheek	0.395	0.110	0.080	0.199	0.784
		Right Tilt	0.098	0.081	0.091	0.068	0.338
LTE B26	ANT1	Left Cheek	0.076	0.079	0.194	0.138	0.487
		Left Tilt	0.031	0.081	0.152	0.067	0.331
		Right Cheek	0.041	0.110	0.080	0.199	0.430
		Right Tilt	0.02	0.081	0.091	0.068	0.260
LTE B66	ANT4	Left Cheek	0.429	0.079	0.194	0.138	0.840
		Left Tilt	0.571	0.081	0.152	0.067	0.871
		Right Cheek	1.147	0.110	0.080	0.199	1.536
		Right Tilt	0.655	0.081	0.091	0.068	0.895
LTE B66	ANT5	Left Cheek	0.147	0.079	0.194	0.138	0.558
		Left Tilt	0.038	0.081	0.152	0.067	0.338
		Right Cheek	0.322	0.110	0.080	0.199	0.711
		Right Tilt	0.063	0.081	0.091	0.068	0.303
LTE B38	ANT4	Left Cheek	0.297	0.079	0.194	0.138	0.708
		Left Tilt	0.408	0.081	0.152	0.067	0.708
		Right Cheek	0.677	0.110	0.080	0.199	1.066
		Right Tilt	0.488	0.081	0.091	0.068	0.728
LTE B38	ANT5	Left Cheek	0.312	0.079	0.194	0.138	0.723
		Left Tilt	0.056	0.081	0.152	0.067	0.356
		Right Cheek	0.397	0.110	0.080	0.199	0.786
		Right Tilt	0.049	0.081	0.091	0.068	0.289
LTE B41	ANT4	Left Cheek	0.066	0.079	0.194	0.138	0.477
		Left Tilt	0.148	0.081	0.152	0.067	0.448
		Right Cheek	0.289	0.110	0.080	0.199	0.678
		Right Tilt	0.195	0.081	0.091	0.068	0.435
LTE B41	ANT5	Left Cheek	0.205	0.079	0.194	0.138	0.616
		Left Tilt	0.039	0.081	0.152	0.067	0.339
		Right Cheek	0.252	0.110	0.080	0.199	0.641
		Right Tilt	0.033	0.081	0.091	0.068	0.273

N2	ANT4	Left Cheek	0.211	0.079	0.194	0.138	0.622
		Left Tilt	0.298	0.081	0.152	0.067	0.598
		Right Cheek	0.463	0.110	0.080	0.199	0.852
		Right Tilt	0.352	0.081	0.091	0.068	0.592
N2	ANT5	Left Cheek	0.422	0.079	0.194	0.138	0.833
		Left Tilt	0.136	0.081	0.152	0.067	0.436
		Right Cheek	0.883	0.110	0.080	0.199	1.272
		Right Tilt	0.099	0.081	0.091	0.068	0.339
N5	ANT0	Left Cheek	0.17	0.079	0.194	0.138	0.581
		Left Tilt	0.07	0.081	0.152	0.067	0.370
		Right Cheek	0.421	0.110	0.080	0.199	0.810
		Right Tilt	0.128	0.081	0.091	0.068	0.368
N5	ANT1	Left Cheek	0.069	0.079	0.194	0.138	0.480
		Left Tilt	0.026	0.081	0.152	0.067	0.326
		Right Cheek	0.056	0.110	0.080	0.199	0.445
		Right Tilt	0.016	0.081	0.091	0.068	0.256
N7	ANT4	Left Cheek	0.191	0.079	0.194	0.138	0.602
		Left Tilt	0.259	0.081	0.152	0.067	0.559
		Right Cheek	0.475	0.110	0.080	0.199	0.864
		Right Tilt	0.291	0.081	0.091	0.068	0.531
N7	ANT5	Left Cheek	0.53	0.079	0.194	0.138	0.941
		Left Tilt	0.099	0.081	0.152	0.067	0.399
		Right Cheek	0.781	0.110	0.080	0.199	1.170
		Right Tilt	0.088	0.081	0.091	0.068	0.328
N12	ANT0	Left Cheek	0.176	0.079	0.194	0.138	0.587
		Left Tilt	0.074	0.081	0.152	0.067	0.374
		Right Cheek	0.452	0.110	0.080	0.199	0.841
		Right Tilt	0.115	0.081	0.091	0.068	0.355
N12	ANT1	Left Cheek	0.054	0.079	0.194	0.138	0.465
		Left Tilt	0.026	0.081	0.152	0.067	0.326
		Right Cheek	0.045	0.110	0.080	0.199	0.434
		Right Tilt	0.019	0.081	0.091	0.068	0.259
N38	ANT4	Left Cheek	0.227	0.079	0.194	0.138	0.638
		Left Tilt	0.307	0.081	0.152	0.067	0.607
		Right Cheek	0.509	0.110	0.080	0.199	0.898
		Right Tilt	0.353	0.081	0.091	0.068	0.593
N38	ANT5	Left Cheek	0.425	0.079	0.194	0.138	0.836
		Left Tilt	0.104	0.081	0.152	0.067	0.404
		Right Cheek	0.609	0.110	0.080	0.199	0.998
		Right Tilt	0.083	0.081	0.091	0.068	0.323
N41	ANT4	Left Cheek	0.228	0.079	0.194	0.138	0.639
		Left Tilt	0.319	0.081	0.152	0.067	0.619
		Right Cheek	0.523	0.110	0.080	0.199	0.912

		Right Tilt	0.38	0.081	0.091	0.068	0.620
N41	ANT5	Left Cheek	0.457	0.079	0.194	0.138	0.868
		Left Tilt	0.089	0.081	0.152	0.067	0.389
		Right Cheek	0.755	0.110	0.080	0.199	1.144
		Right Tilt	0.083	0.081	0.091	0.068	0.323
N66	ANT4	Left Cheek	0.311	0.079	0.194	0.138	0.722
		Left Tilt	0.458	0.081	0.152	0.067	0.758
		Right Cheek	0.781	0.110	0.080	0.199	1.170
		Right Tilt	0.611	0.081	0.091	0.068	0.851
N66	ANT5	Left Cheek	0.189	0.079	0.194	0.138	0.600
		Left Tilt	0.059	0.081	0.152	0.067	0.359
		Right Cheek	0.388	0.110	0.080	0.199	0.777
		Right Tilt	0.067	0.081	0.091	0.068	0.307

Note:

1: The highest Summed 1g SAR is 1.536 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.4 Body-worn Simultaneous Transmission SAR Evaluation for WWAN Antenna with 2.4G WLAN & 5G WLAN & Bluetooth (EUT Open)

Band	Antenna	Position	Stand alone SAR				SUM SAR
			1	2	3	4	
			WWAN	2.4GWIFI(MAX)	Max.5GWIFI(MAX)	Bluetooth Max	Sum SAR（1+2+3+4）
			State1	Level8	Level8		
GSM850	ANT0	Front Side 15mm	0.282	0.064	0.137	0.053	0.483
		Back Side 15mm	0.255	0.060	0.470	0.028	0.785
GSM850	ANT1	Front Side 15mm	0.26	0.064	0.137	0.053	0.461
		Back Side 15mm	0.205	0.060	0.470	0.028	0.735
GSM1900	ANT4	Front Side 15mm	0.153	0.064	0.137	0.053	0.354
		Back Side 15mm	0.194	0.060	0.470	0.028	0.724
GSM1900	ANT5	Front Side 15mm	0.162	0.064	0.137	0.053	0.363
		Back Side 15mm	0.181	0.060	0.470	0.028	0.711
WCDMA B2	ANT4	Front Side 15mm	0.229	0.064	0.137	0.053	0.430
		Back Side 15mm	0.274	0.060	0.470	0.028	0.804
WCDMA B2	ANT5	Front Side 15mm	0.203	0.064	0.137	0.053	0.404
		Back Side 15mm	0.228	0.060	0.470	0.028	0.758
WCDMA B4	ANT4	Front Side 15mm	0.272	0.064	0.137	0.053	0.473
		Back Side 15mm	0.287	0.060	0.470	0.028	0.817
WCDMA B4	ANT5	Front Side 15mm	0.109	0.064	0.137	0.053	0.310
		Back Side 15mm	0.139	0.060	0.470	0.028	0.669
WCDMA B5	ANT0	Front Side 15mm	0.281	0.064	0.137	0.053	0.482
		Back Side 15mm	0.189	0.060	0.470	0.028	0.719
WCDMA B5	ANT1	Front Side 15mm	0.222	0.064	0.137	0.053	0.423

		Back Side 15mm	0.217	0.060	0.470	0.028	0.747
LTE B2	ANT4	Front Side 15mm	0.108	0.064	0.137	0.053	0.309
		Back Side 15mm	0.13	0.060	0.470	0.028	0.660
LTE B2	ANT5	Front Side 15mm	0.219	0.064	0.137	0.053	0.420
		Back Side 15mm	0.273	0.060	0.470	0.028	0.803
LTE B4	ANT4	Front Side 15mm	0.158	0.064	0.137	0.053	0.359
		Back Side 15mm	0.179	0.060	0.470	0.028	0.709
LTE B4	ANT5	Front Side 15mm	0.209	0.064	0.137	0.053	0.410
		Back Side 15mm	0.238	0.060	0.470	0.028	0.768
LTE B5	ANT0	Front Side 15mm	0.346	0.064	0.137	0.053	0.547
		Back Side 15mm	0.2	0.060	0.470	0.028	0.730
LTE B5	ANT1	Front Side 15mm	0.23	0.064	0.137	0.053	0.431
		Back Side 15mm	0.246	0.060	0.470	0.028	0.776
LTE B7	ANT4	Front Side 15mm	0.064	0.064	0.137	0.053	0.265
		Back Side 15mm	0.161	0.060	0.470	0.028	0.691
LTE B7	ANT5	Front Side 15mm	0.222	0.064	0.137	0.053	0.423
		Back Side 15mm	0.236	0.060	0.470	0.028	0.766
LTE B12	ANT0	Front Side 15mm	0.229	0.064	0.137	0.053	0.430
		Back Side 15mm	0.179	0.060	0.470	0.028	0.709
LTE B12	ANT1	Front Side 15mm	0.236	0.064	0.137	0.053	0.437
		Back Side 15mm	0.223	0.060	0.470	0.028	0.753
LTE B17	ANT0	Front Side 15mm	0.226	0.064	0.137	0.053	0.427
		Back Side 15mm	0.202	0.060	0.470	0.028	0.732
LTE B17	ANT1	Front Side 15mm	0.241	0.064	0.137	0.053	0.442
		Back Side 15mm	0.234	0.060	0.470	0.028	0.764
LTE B26	ANT0	Front Side 15mm	0.316	0.064	0.137	0.053	0.517
		Back Side 15mm	0.206	0.060	0.470	0.028	0.736
LTE B26	ANT1	Front Side 15mm	0.235	0.064	0.137	0.053	0.436
		Back Side 15mm	0.222	0.060	0.470	0.028	0.752
LTE B66	ANT4	Front Side 15mm	0.054	0.064	0.137	0.053	0.255
		Back Side 15mm	0.058	0.060	0.470	0.028	0.588
LTE B66	ANT5	Front Side 15mm	0.019	0.064	0.137	0.053	0.220
		Back Side 15mm	0.046	0.060	0.470	0.028	0.576
LTE B38	ANT4	Front Side 15mm	0.129	0.064	0.137	0.053	0.330
		Back Side 15mm	0.164	0.060	0.470	0.028	0.694
LTE B38	ANT5	Front Side 15mm	0.17	0.064	0.137	0.053	0.371
		Back Side 15mm	0.193	0.060	0.470	0.028	0.723
LTE B41	ANT4	Front Side 15mm	0.122	0.064	0.137	0.053	0.323
		Back Side 15mm	0.15	0.060	0.470	0.028	0.680
LTE B41	ANT5	Front Side 15mm	0.146	0.064	0.137	0.053	0.347
		Back Side 15mm	0.169	0.060	0.470	0.028	0.699
N2	ANT4	Front Side 15mm	0.341	0.064	0.137	0.053	0.542
		Back Side 15mm	0.402	0.060	0.470	0.028	0.932

N2	ANT5	Front Side 15mm	0.211	0.064	0.137	0.053	0.412
		Back Side 15mm	0.235	0.060	0.470	0.028	0.765
N5	ANT0	Front Side 15mm	0.271	0.064	0.137	0.053	0.472
		Back Side 15mm	0.197	0.060	0.470	0.028	0.727
N5	ANT1	Front Side 15mm	0.166	0.064	0.137	0.053	0.367
		Back Side 15mm	0.164	0.060	0.470	0.028	0.694
N7	ANT4	Front Side 15mm	0.464	0.064	0.137	0.053	0.665
		Back Side 15mm	0.414	0.060	0.470	0.028	0.944
N7	ANT5	Front Side 15mm	0.316	0.064	0.137	0.053	0.517
		Back Side 15mm	0.348	0.060	0.470	0.028	0.878
N12	ANT0	Front Side 15mm	0.25	0.064	0.137	0.053	0.451
		Back Side 15mm	0.194	0.060	0.470	0.028	0.724
N12	ANT1	Front Side 15mm	0.205	0.064	0.137	0.053	0.406
		Back Side 15mm	0.202	0.060	0.470	0.028	0.732
N38	ANT4	Front Side 15mm	0.193	0.064	0.137	0.053	0.394
		Back Side 15mm	0.207	0.060	0.470	0.028	0.737
N38	ANT5	Front Side 15mm	0.302	0.064	0.137	0.053	0.503
		Back Side 15mm	0.349	0.060	0.470	0.028	0.879
N41	ANT4	Front Side 15mm	0.191	0.064	0.137	0.053	0.392
		Back Side 15mm	0.173	0.060	0.470	0.028	0.703
N41	ANT5	Front Side 15mm	0.248	0.064	0.137	0.053	0.449
		Back Side 15mm	0.306	0.060	0.470	0.028	0.836
N66	ANT4	Front Side 15mm	0.069	0.064	0.137	0.053	0.270
		Back Side 15mm	0.059	0.060	0.470	0.028	0.589
N66	ANT5	Front Side 15mm	0.034	0.064	0.137	0.053	0.235
		Back Side 15mm	0.029	0.060	0.470	0.028	0.559

Note:

1: The highest Summed 1g SAR is 0.944 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.5 Body-worn Simultaneous Transmission SAR Evaluation for WWAN Antenna with 2.4G WLAN & 5G WLAN &Bluetooth (EUT Close)

Band	Antenna	Position	Stand alone SAR				SUM SAR
			1	2	3	4	
			WWAN	2.4GWIFI(MAX)	Max.5GWIFI(MAX)	Bluetooth Max	Sum SAR（1+2+3+4）
			State1	Level8	Level8		
GSM850	ANT0	Front Side 15mm	0.117	0.016	0.464	0.020	0.597
		Back Side 15mm	0.072	0.014	0.066	0.007	0.152
GSM850	ANT1	Front Side 15mm	0.131	0.016	0.464	0.020	0.611
		Back Side 15mm	0.098	0.014	0.066	0.007	0.178
GSM1900	ANT4	Front Side 15mm	0.163	0.016	0.464	0.020	0.643
		Back Side 15mm	0.069	0.014	0.066	0.007	0.149

GSM1900	ANT5	Front Side 15mm	0.113	0.016	0.464	0.020	0.593
		Back Side 15mm	0.059	0.014	0.066	0.007	0.139
WCDMA B2	ANT4	Front Side 15mm	0.189	0.016	0.464	0.020	0.669
		Back Side 15mm	0.095	0.014	0.066	0.007	0.175
WCDMA B2	ANT5	Front Side 15mm	0.147	0.016	0.464	0.020	0.627
		Back Side 15mm	0.075	0.014	0.066	0.007	0.155
WCDMA B4	ANT4	Front Side 15mm	0.214	0.016	0.464	0.020	0.694
		Back Side 15mm	0.103	0.014	0.066	0.007	0.183
WCDMA B4	ANT5	Front Side 15mm	0.074	0.016	0.464	0.020	0.554
		Back Side 15mm	0.035	0.014	0.066	0.007	0.115
WCDMA B5	ANT0	Front Side 15mm	0.115	0.016	0.464	0.020	0.595
		Back Side 15mm	0.03	0.014	0.066	0.007	0.110
WCDMA B5	ANT1	Front Side 15mm	0.101	0.016	0.464	0.020	0.581
		Back Side 15mm	0.054	0.014	0.066	0.007	0.134
LTE B2	ANT4	Front Side 15mm	0.186	0.016	0.464	0.020	0.666
		Back Side 15mm	0.064	0.014	0.066	0.007	0.144
LTE B2	ANT5	Front Side 15mm	0.134	0.016	0.464	0.020	0.614
		Back Side 15mm	0.047	0.014	0.066	0.007	0.127
LTE B4	ANT4	Front Side 15mm	0.195	0.016	0.464	0.020	0.675
		Back Side 15mm	0.07	0.014	0.066	0.007	0.150
LTE B4	ANT5	Front Side 15mm	0.063	0.016	0.464	0.020	0.543
		Back Side 15mm	0.022	0.014	0.066	0.007	0.102
LTE B5	ANT0	Front Side 15mm	0.112	0.016	0.464	0.020	0.592
		Back Side 15mm	0.058	0.014	0.066	0.007	0.138
LTE B5	ANT1	Front Side 15mm	0.092	0.016	0.464	0.020	0.572
		Back Side 15mm	0.291	0.014	0.066	0.007	0.371
LTE B7	ANT4	Front Side 15mm	0.123	0.016	0.464	0.020	0.603
		Back Side 15mm	0.034	0.014	0.066	0.007	0.114
LTE B7	ANT5	Front Side 15mm	0.213	0.016	0.464	0.020	0.693
		Back Side 15mm	0.061	0.014	0.066	0.007	0.141
LTE B12	ANT0	Front Side 15mm	0.062	0.016	0.464	0.020	0.542
		Back Side 15mm	0.032	0.014	0.066	0.007	0.112
LTE B12	ANT1	Front Side 15mm	0.102	0.016	0.464	0.020	0.582
		Back Side 15mm	0.221	0.014	0.066	0.007	0.301
LTE B17	ANT0	Front Side 15mm	0.06	0.016	0.464	0.020	0.540
		Back Side 15mm	0.023	0.014	0.066	0.007	0.103
LTE B17	ANT1	Front Side 15mm	0.122	0.016	0.464	0.020	0.602
		Back Side 15mm	0.224	0.014	0.066	0.007	0.304
LTE B26	ANT0	Front Side 15mm	0.073	0.016	0.464	0.020	0.553
		Back Side 15mm	0.024	0.014	0.066	0.007	0.104
LTE B26	ANT1	Front Side 15mm	0.054	0.016	0.464	0.020	0.534
		Back Side 15mm	0.113	0.014	0.066	0.007	0.193
LTE B66	ANT4	Front Side 15mm	0.03	0.016	0.464	0.020	0.510

		Back Side 15mm	0.019	0.014	0.066	0.007	0.099
LTE B66	ANT5	Front Side 15mm	0.023	0.016	0.464	0.020	0.503
		Back Side 15mm	0.012	0.014	0.066	0.007	0.092
LTE B38	ANT4	Front Side 15mm	0.073	0.016	0.464	0.020	0.553
		Back Side 15mm	0.05	0.014	0.066	0.007	0.130
LTE B38	ANT5	Front Side 15mm	0.083	0.016	0.464	0.020	0.563
		Back Side 15mm	0.036	0.014	0.066	0.007	0.116
LTE B41	ANT4	Front Side 15mm	0.074	0.016	0.464	0.020	0.554
		Back Side 15mm	0.047	0.014	0.066	0.007	0.127
LTE B41	ANT5	Front Side 15mm	0.086	0.016	0.464	0.020	0.566
		Back Side 15mm	0.043	0.014	0.066	0.007	0.123
N2	ANT4	Front Side 15mm	0.322	0.016	0.464	0.020	0.802
		Back Side 15mm	0.128	0.014	0.066	0.007	0.208
N2	ANT5	Front Side 15mm	0.21	0.016	0.464	0.020	0.690
		Back Side 15mm	0.059	0.014	0.066	0.007	0.139
N5	ANT0	Front Side 15mm	0.105	0.016	0.464	0.020	0.585
		Back Side 15mm	0.056	0.014	0.066	0.007	0.136
N5	ANT1	Front Side 15mm	0.029	0.016	0.464	0.020	0.509
		Back Side 15mm	0.014	0.014	0.066	0.007	0.094
N7	ANT4	Front Side 15mm	0.243	0.016	0.464	0.020	0.723
		Back Side 15mm	0.05	0.014	0.066	0.007	0.130
N7	ANT5	Front Side 15mm	0.333	0.016	0.464	0.020	0.813
		Back Side 15mm	0.056	0.014	0.066	0.007	0.136
N12	ANT0	Front Side 15mm	0.06	0.016	0.464	0.020	0.540
		Back Side 15mm	0.032	0.014	0.066	0.007	0.112
N12	ANT1	Front Side 15mm	0.033	0.016	0.464	0.020	0.513
		Back Side 15mm	0.021	0.014	0.066	0.007	0.101
N38	ANT4	Front Side 15mm	0.151	0.016	0.464	0.020	0.631
		Back Side 15mm	0.05	0.014	0.066	0.007	0.130
N38	ANT5	Front Side 15mm	0.293	0.016	0.464	0.020	0.773
		Back Side 15mm	0.062	0.014	0.066	0.007	0.142
N41	ANT4	Front Side 15mm	0.14	0.016	0.464	0.020	0.620
		Back Side 15mm	0.023	0.014	0.066	0.007	0.103
N41	ANT5	Front Side 15mm	0.226	0.016	0.464	0.020	0.706
		Back Side 15mm	0.067	0.014	0.066	0.007	0.147
N66	ANT4	Front Side 15mm	0.009	0.016	0.464	0.020	0.489
		Back Side 15mm	0.012	0.014	0.066	0.007	0.092
N66	ANT5	Front Side 15mm	0.012	0.016	0.464	0.020	0.492
		Back Side 15mm	0.013	0.014	0.066	0.007	0.093

Note:

1: The highest Summed 1g SAR is 0.813 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.6 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with 2.4G WLAN or 5G WLAN (EUT Open)

Band	Antenna	Position	Stand alone SAR			SUM SAR	
			1.000	2	3.000		
			WWAN	2.4GWIFI(MAX)	Max.5GWIFI(MAX)	Sum SAR (1+2)	Sum SAR (1+3)
			State4	Level10	Level10		
GSM850	ANT0	Front Side 10mm	0.336	0.104	0.163	0.440	0.499
		Back Side 10mm	0.266	0.087	0.476	0.353	0.742
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.493	0.113	0.000	0.606	0.493
		Top Edge 10mm	0.048	0.157	0.328	0.205	0.376
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
GSM850	ANT1	Front Side 10mm	0.248	0.104	0.163	0.352	0.411
		Back Side 10mm	0.221	0.087	0.476	0.308	0.697
		Left Edge 10mm	0.174	0.158	0.189	0.332	0.363
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.201	0.007	0.000	0.208	0.201
GSM1900	ANT4	Front Side 10mm	0.136	0.104	0.163	0.240	0.299
		Back Side 10mm	0.144	0.087	0.476	0.231	0.620
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.089	0.113	0.000	0.202	0.089
		Top Edge 10mm	0.434	0.157	0.328	0.591	0.762
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
GSM1900	ANT5	Front Side 10mm	0.177	0.104	0.163	0.281	0.340
		Back Side 10mm	0.193	0.087	0.476	0.280	0.669
		Left Edge 10mm	0.306	0.158	0.189	0.464	0.495
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
WCDMA B2	ANT4	Front Side 10mm	0.120	0.104	0.163	0.224	0.283
		Back Side 10mm	0.150	0.087	0.476	0.237	0.626
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189

		Right Edge 10mm	0.106	0.113	0.000	0.219	0.106
		Top Edge 10mm	0.474	0.157	0.328	0.631	0.802
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
WCDMA B2	ANT5	Front Side 10mm	0.211	0.104	0.163	0.315	0.374
		Back Side 10mm	0.231	0.087	0.476	0.318	0.707
		Left Edge 10mm	0.356	0.158	0.189	0.514	0.545
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
WCDMA B4	ANT4	Front Side 10mm	0.168	0.104	0.163	0.272	0.331
		Back Side 10mm	0.172	0.087	0.476	0.259	0.648
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.107	0.113	0.000	0.220	0.107
		Top Edge 10mm	0.389	0.157	0.328	0.546	0.717
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
WCDMA B4	ANT5	Front Side 10mm	0.176	0.104	0.163	0.280	0.339
		Back Side 10mm	0.233	0.087	0.476	0.320	0.709
		Left Edge 10mm	0.288	0.158	0.189	0.446	0.477
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
WCDMA B5	ANT0	Front Side 10mm	0.359	0.104	0.163	0.463	0.522
		Back Side 10mm	0.244	0.087	0.476	0.331	0.720
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.444	0.113	0.000	0.557	0.444
		Top Edge 10mm	0.050	0.157	0.328	0.207	0.378
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
WCDMA B5	ANT1	Front Side 10mm	0.189	0.104	0.163	0.293	0.352
		Back Side 10mm	0.175	0.087	0.476	0.262	0.651
		Left Edge 10mm	0.121	0.158	0.189	0.279	0.310
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328

		Bottom Edge 10mm	0.135	0.007	0.000	0.142	0.135
LTE B2	ANT4	Front Side 10mm	0.147	0.104	0.163	0.251	0.310
		Back Side 10mm	0.145	0.087	0.476	0.232	0.621
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.102	0.113	0.000	0.215	0.102
		Top Edge 10mm	0.449	0.157	0.328	0.606	0.777
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B2	ANT5	Front Side 10mm	0.183	0.104	0.163	0.287	0.346
		Back Side 10mm	0.205	0.087	0.476	0.292	0.681
		Left Edge 10mm	0.339	0.158	0.189	0.497	0.528
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B4	ANT4	Front Side 10mm	0.159	0.104	0.163	0.263	0.322
		Back Side 10mm	0.171	0.087	0.476	0.258	0.647
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.108	0.113	0.000	0.221	0.108
		Top Edge 10mm	0.414	0.157	0.328	0.571	0.742
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B4	ANT5	Front Side 10mm	0.235	0.104	0.163	0.339	0.398
		Back Side 10mm	0.260	0.087	0.476	0.347	0.736
		Left Edge 10mm	0.358	0.158	0.189	0.516	0.547
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B5	ANT0	Front Side 10mm	0.295	0.104	0.163	0.399	0.458
		Back Side 10mm	0.238	0.087	0.476	0.325	0.714
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.406	0.113	0.000	0.519	0.406
		Top Edge 10mm	0.044	0.157	0.328	0.201	0.372
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B5	ANT1	Front Side 10mm	0.211	0.104	0.163	0.315	0.374

		Back Side 10mm	0.194	0.087	0.476	0.281	0.670
		Left Edge 10mm	0.126	0.158	0.189	0.284	0.315
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.166	0.007	0.000	0.173	0.166
LTE B7	ANT4	Front Side 10mm	0.179	0.104	0.163	0.283	0.342
		Back Side 10mm	0.167	0.087	0.476	0.254	0.643
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.171	0.113	0.000	0.284	0.171
		Top Edge 10mm	0.371	0.157	0.328	0.528	0.699
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B7	ANT5	Front Side 10mm	0.202	0.104	0.163	0.306	0.365
		Back Side 10mm	0.219	0.087	0.476	0.306	0.695
		Left Edge 10mm	0.363	0.158	0.189	0.521	0.552
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B12	ANT0	Front Side 10mm	0.274	0.104	0.163	0.378	0.437
		Back Side 10mm	0.217	0.087	0.476	0.304	0.693
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.411	0.113	0.000	0.524	0.411
		Top Edge 10mm	0.053	0.157	0.328	0.210	0.381
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B12	ANT1	Front Side 10mm	0.260	0.104	0.163	0.364	0.423
		Back Side 10mm	0.218	0.087	0.476	0.305	0.694
		Left Edge 10mm	0.143	0.158	0.189	0.301	0.332
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.154	0.007	0.000	0.161	0.154
LTE B17	ANT0	Front Side 10mm	0.254	0.104	0.163	0.358	0.417
		Back Side 10mm	0.199	0.087	0.476	0.286	0.675
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189

		Right Edge 10mm	0.424	0.113	0.000	0.537	0.424
		Top Edge 10mm	0.040	0.157	0.328	0.197	0.368
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B17	ANT1	Front Side 10mm	0.254	0.104	0.163	0.358	0.417
		Back Side 10mm	0.225	0.087	0.476	0.312	0.701
		Left Edge 10mm	0.145	0.158	0.189	0.303	0.334
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.173	0.007	0.000	0.180	0.173
LTE B26	ANT0	Front Side 10mm	0.356	0.104	0.163	0.460	0.519
		Back Side 10mm	0.259	0.087	0.476	0.346	0.735
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.496	0.113	0.000	0.609	0.496
		Top Edge 10mm	0.073	0.157	0.328	0.230	0.401
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B26	ANT1	Front Side 10mm	0.211	0.104	0.163	0.315	0.374
		Back Side 10mm	0.194	0.087	0.476	0.281	0.670
		Left Edge 10mm	0.134	0.158	0.189	0.292	0.323
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.173	0.007	0.000	0.180	0.173
LTE B66	ANT4	Front Side 10mm	0.050	0.104	0.163	0.154	0.213
		Back Side 10mm	0.057	0.087	0.476	0.144	0.533
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.036	0.113	0.000	0.149	0.036
		Top Edge 10mm	0.171	0.157	0.328	0.328	0.499
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B66	ANT5	Front Side 10mm	0.037	0.104	0.163	0.141	0.200
		Back Side 10mm	0.041	0.087	0.476	0.128	0.517
		Left Edge 10mm	0.066	0.158	0.189	0.224	0.255
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328

		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B38	ANT4	Front Side 10mm	0.145	0.104	0.163	0.249	0.308
		Back Side 10mm	0.154	0.087	0.476	0.241	0.630
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.132	0.113	0.000	0.245	0.132
		Top Edge 10mm	0.385	0.157	0.328	0.542	0.713
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B38	ANT5	Front Side 10mm	0.192	0.104	0.163	0.296	0.355
		Back Side 10mm	0.210	0.087	0.476	0.297	0.686
		Left Edge 10mm	0.336	0.158	0.189	0.494	0.525
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B41	ANT4	Front Side 10mm	0.150	0.104	0.163	0.254	0.313
		Back Side 10mm	0.154	0.087	0.476	0.241	0.630
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.108	0.113	0.000	0.221	0.108
		Top Edge 10mm	0.363	0.157	0.328	0.520	0.691
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
LTE B41	ANT5	Front Side 10mm	0.142	0.104	0.163	0.246	0.305
		Back Side 10mm	0.153	0.087	0.476	0.240	0.629
		Left Edge 10mm	0.261	0.158	0.189	0.419	0.450
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
N2	ANT4	Front Side 10mm	0.238	0.104	0.163	0.342	0.401
		Back Side 10mm	0.267	0.087	0.476	0.354	0.743
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.152	0.113	0.000	0.265	0.152
		Top Edge 10mm	0.785	0.157	0.328	0.942	1.113
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
N2	ANT5	Front Side 10mm	0.235	0.104	0.163	0.339	0.398

		Back Side 10mm	0.230	0.087	0.476	0.317	0.706
		Left Edge 10mm	0.398	0.158	0.189	0.556	0.587
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
N5	ANT0	Front Side 10mm	0.315	0.104	0.163	0.419	0.478
		Back Side 10mm	0.234	0.087	0.476	0.321	0.710
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.338	0.113	0.000	0.451	0.338
		Top Edge 10mm	0.006	0.157	0.328	0.163	0.334
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
N5	ANT1	Front Side 10mm	0.165	0.104	0.163	0.269	0.328
		Back Side 10mm	0.164	0.087	0.476	0.251	0.640
		Left Edge 10mm	0.110	0.158	0.189	0.268	0.299
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.188	0.007	0.000	0.195	0.188
N7	ANT4	Front Side 10mm	0.417	0.104	0.163	0.521	0.580
		Back Side 10mm	0.360	0.087	0.476	0.447	0.836
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.384	0.113	0.000	0.497	0.384
		Top Edge 10mm	0.806	0.157	0.328	0.963	1.134
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
N7	ANT5	Front Side 10mm	0.383	0.104	0.163	0.487	0.546
		Back Side 10mm	0.416	0.087	0.476	0.503	0.892
		Left Edge 10mm	0.565	0.158	0.189	0.723	0.754
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
N12	ANT0	Front Side 10mm	0.234	0.104	0.163	0.338	0.397
		Back Side 10mm	0.166	0.087	0.476	0.253	0.642
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189

		Right Edge 10mm	0.304	0.113	0.000	0.417	0.304
		Top Edge 10mm	0.014	0.157	0.328	0.171	0.342
		Bottom Edge 10mm		0.007	0.000	0.007	0.000
N12	ANT1	Front Side 10mm	0.200	0.104	0.163	0.304	0.363
		Back Side 10mm	0.182	0.087	0.476	0.269	0.658
		Left Edge 10mm	0.117	0.158	0.189	0.275	0.306
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.138	0.007	0.000	0.145	0.138
N38	ANT4	Front Side 10mm	0.166	0.104	0.163	0.270	0.329
		Back Side 10mm	0.166	0.087	0.476	0.253	0.642
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.142	0.113	0.000	0.255	0.142
		Top Edge 10mm	0.467	0.157	0.328	0.624	0.795
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
N38	ANT5	Front Side 10mm	0.260	0.104	0.163	0.364	0.423
		Back Side 10mm	0.279	0.087	0.476	0.366	0.755
		Left Edge 10mm	0.515	0.158	0.189	0.673	0.704
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
N41	ANT4	Front Side 10mm	0.152	0.104	0.163	0.256	0.315
		Back Side 10mm	0.137	0.087	0.476	0.224	0.613
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.177	0.113	0.000	0.290	0.177
		Top Edge 10mm	0.432	0.157	0.328	0.589	0.760
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
N41	ANT5	Front Side 10mm	0.240	0.104	0.163	0.344	0.403
		Back Side 10mm	0.264	0.087	0.476	0.351	0.740
		Left Edge 10mm	0.413	0.158	0.189	0.571	0.602
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328

		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000
N66	ANT4	Front Side 10mm	0.093	0.104	0.163	0.197	0.256
		Back Side 10mm	0.084	0.087	0.476	0.171	0.560
		Left Edge 10mm	0.000	0.158	0.189	0.158	0.189
		Right Edge 10mm	0.059	0.113	0.000	0.172	0.059
		Top Edge 10mm	0.289	0.157	0.328	0.446	0.617
		Bottom Edge 10mm		0.007	0.000	0.007	0.000
N66	ANT5	Front Side 10mm	0.037	0.104	0.163	0.141	0.200
		Back Side 10mm	0.058	0.087	0.476	0.145	0.534
		Left Edge 10mm	0.094	0.158	0.189	0.252	0.283
		Right Edge 10mm	0.000	0.113	0.000	0.113	0.000
		Top Edge 10mm	0.000	0.157	0.328	0.157	0.328
		Bottom Edge 10mm	0.000	0.007	0.000	0.007	0.000

Note:

1: The highest Summed 1g SAR is 1.134 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.7 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with 2.4G WLAN or 5G WLAN (EUT Close)

Band	Antenna	Position	Stand alone SAR			SUM SAR	
			1.000	2	3.000		
			WWAN	2.4GWIFI(MAX)	Max.5GWIFI(MAX)	Sum SAR （1+2）	Sum SAR （1+3）
			State4	Level10	Level10		
GSM850	ANT0	Front Side 10mm	0.122	0.055	0.462	0.177	0.584
		Back Side 10mm	0.042	0.031	0.055	0.073	0.097
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.198	0.142	0.000	0.340	0.198
		Top Edge 10mm	0.027	0.016	0.020	0.043	0.047
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
GSM850	ANT1	Front Side 10mm	0.047	0.055	0.462	0.102	0.509
		Back Side 10mm	0.153	0.031	0.055	0.184	0.208
		Left Edge 10mm	0.096	0.019	0.142	0.115	0.238
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.109	0.055	0.286	0.164	0.395
GSM1900	ANT4	Front Side 10mm	0.123	0.055	0.462	0.178	0.585
		Back Side 10mm	0.080	0.031	0.055	0.111	0.135

		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.174	0.142	0.000	0.316	0.174
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.362	0.055	0.286	0.417	0.648
GSM1900	ANT5	Front Side 10mm	0.120	0.055	0.462	0.175	0.582
		Back Side 10mm	0.040	0.031	0.055	0.071	0.095
		Left Edge 10mm	0.363	0.019	0.142	0.382	0.505
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.078	0.016	0.020	0.094	0.098
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
WCDMA B2	ANT4	Front Side 10mm	0.137	0.055	0.462	0.192	0.599
		Back Side 10mm	0.056	0.031	0.055	0.087	0.111
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.053	0.142	0.000	0.195	0.053
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.348	0.055	0.286	0.403	0.634
WCDMA B2	ANT5	Front Side 10mm	0.178	0.055	0.462	0.233	0.640
		Back Side 10mm	0.053	0.031	0.055	0.084	0.108
		Left Edge 10mm	0.352	0.019	0.142	0.371	0.494
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.024	0.016	0.020	0.040	0.044
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
WCDMA B4	ANT4	Front Side 10mm	0.252	0.055	0.462	0.307	0.714
		Back Side 10mm	0.084	0.031	0.055	0.115	0.139
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.153	0.142	0.000	0.295	0.153
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.249	0.055	0.286	0.304	0.535
WCDMA B4	ANT5	Front Side 10mm	0.105	0.055	0.462	0.160	0.567
		Back Side 10mm	0.037	0.031	0.055	0.068	0.092
		Left Edge 10mm	0.221	0.019	0.142	0.240	0.363
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.059	0.016	0.020	0.075	0.079
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
WCDMA B5	ANT0	Front Side 10mm	0.122	0.055	0.462	0.177	0.584
		Back Side 10mm	0.048	0.031	0.055	0.079	0.103
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.250	0.142	0.000	0.392	0.250
		Top Edge 10mm	0.030	0.016	0.020	0.046	0.050
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
WCDMA B5	ANT1	Front Side 10mm	0.045	0.055	0.462	0.100	0.507
		Back Side 10mm	0.140	0.031	0.055	0.171	0.195
		Left Edge 10mm	0.084	0.019	0.142	0.103	0.226

		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.099	0.055	0.286	0.154	0.385
LTE B2	ANT4	Front Side 10mm	0.174	0.055	0.462	0.229	0.636
		Back Side 10mm	0.072	0.031	0.055	0.103	0.127
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.066	0.142	0.000	0.208	0.066
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.399	0.055	0.286	0.454	0.685
LTE B2	ANT5	Front Side 10mm	0.139	0.055	0.462	0.194	0.601
		Back Side 10mm	0.038	0.031	0.055	0.069	0.093
		Left Edge 10mm	0.316	0.019	0.142	0.335	0.458
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.069	0.016	0.020	0.085	0.089
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
LTE B4	ANT4	Front Side 10mm	0.148	0.055	0.462	0.203	0.610
		Back Side 10mm	0.052	0.031	0.055	0.083	0.107
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.064	0.142	0.000	0.206	0.064
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.287	0.055	0.286	0.342	0.573
LTE B4	ANT5	Front Side 10mm	0.112	0.055	0.462	0.167	0.574
		Back Side 10mm	0.040	0.031	0.055	0.071	0.095
		Left Edge 10mm	0.271	0.019	0.142	0.290	0.413
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.067	0.016	0.020	0.083	0.087
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
LTE B5	ANT0	Front Side 10mm	0.127	0.055	0.462	0.182	0.589
		Back Side 10mm	0.076	0.031	0.055	0.107	0.131
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.147	0.142	0.000	0.289	0.147
		Top Edge 10mm	0.046	0.016	0.020	0.062	0.066
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
LTE B5	ANT1	Front Side 10mm	0.064	0.055	0.462	0.119	0.526
		Back Side 10mm	0.223	0.031	0.055	0.254	0.278
		Left Edge 10mm	0.149	0.019	0.142	0.168	0.291
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.164	0.055	0.286	0.219	0.450
LTE B7	ANT4	Front Side 10mm	0.123	0.055	0.462	0.178	0.585
		Back Side 10mm	0.032	0.031	0.055	0.063	0.087
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.092	0.142	0.000	0.234	0.092

		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.197	0.055	0.286	0.252	0.483
LTE B7	ANT5	Front Side 10mm	0.103	0.055	0.462	0.158	0.565
		Back Side 10mm	0.060	0.031	0.055	0.091	0.115
		Left Edge 10mm	0.127	0.019	0.142	0.146	0.269
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.050	0.016	0.020	0.066	0.070
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
LTE B12	ANT0	Front Side 10mm	0.076	0.055	0.462	0.131	0.538
		Back Side 10mm	0.044	0.031	0.055	0.075	0.099
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.112	0.142	0.000	0.254	0.112
		Top Edge 10mm	0.034	0.016	0.020	0.050	0.054
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
LTE B12	ANT1	Front Side 10mm	0.045	0.055	0.462	0.100	0.507
		Back Side 10mm	0.209	0.031	0.055	0.240	0.264
		Left Edge 10mm	0.112	0.019	0.142	0.131	0.254
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.155	0.055	0.286	0.210	0.441
LTE B17	ANT0	Front Side 10mm	0.083	0.055	0.462	0.138	0.545
		Back Side 10mm	0.044	0.031	0.055	0.075	0.099
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.120	0.142	0.000	0.262	0.120
		Top Edge 10mm	0.023	0.016	0.020	0.039	0.043
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
LTE B17	ANT1	Front Side 10mm	0.038	0.055	0.462	0.093	0.500
		Back Side 10mm	0.189	0.031	0.055	0.220	0.244
		Left Edge 10mm	0.107	0.019	0.142	0.126	0.249
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.129	0.055	0.286	0.184	0.415
LTE B26	ANT0	Front Side 10mm	0.142	0.055	0.462	0.197	0.604
		Back Side 10mm	0.051	0.031	0.055	0.082	0.106
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.299	0.142	0.000	0.441	0.299
		Top Edge 10mm	0.035	0.016	0.020	0.051	0.055
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
LTE B26	ANT1	Front Side 10mm	0.035	0.055	0.462	0.090	0.497
		Back Side 10mm	0.144	0.031	0.055	0.175	0.199
		Left Edge 10mm	0.095	0.019	0.142	0.114	0.237
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020

		Bottom Edge 10mm	0.111	0.055	0.286	0.166	0.397
LTE B66	ANT4	Front Side 10mm	0.076	0.055	0.462	0.131	0.538
		Back Side 10mm	0.020	0.031	0.055	0.051	0.075
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.025	0.142	0.000	0.167	0.025
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.124	0.055	0.286	0.179	0.410
LTE B66	ANT5	Front Side 10mm	0.067	0.055	0.462	0.122	0.529
		Back Side 10mm	0.028	0.031	0.055	0.059	0.083
		Left Edge 10mm	0.078	0.019	0.142	0.097	0.220
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.026	0.016	0.020	0.042	0.046
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
LTE B38	ANT4	Front Side 10mm	0.070	0.055	0.462	0.125	0.532
		Back Side 10mm	0.034	0.031	0.055	0.065	0.089
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.067	0.142	0.000	0.209	0.067
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.161	0.055	0.286	0.216	0.447
LTE B38	ANT5	Front Side 10mm	0.140	0.055	0.462	0.195	0.602
		Back Side 10mm	0.039	0.031	0.055	0.070	0.094
		Left Edge 10mm	0.149	0.019	0.142	0.168	0.291
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.044	0.016	0.020	0.060	0.064
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
LTE B41	ANT4	Front Side 10mm	0.096	0.055	0.462	0.151	0.558
		Back Side 10mm	0.048	0.031	0.055	0.079	0.103
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.089	0.142	0.000	0.231	0.089
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.178	0.055	0.286	0.233	0.464
LTE B41	ANT5	Front Side 10mm	0.104	0.055	0.462	0.159	0.566
		Back Side 10mm	0.027	0.031	0.055	0.058	0.082
		Left Edge 10mm	0.146	0.019	0.142	0.165	0.288
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.024	0.016	0.020	0.040	0.044
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
N2	ANT4	Front Side 10mm	0.157	0.055	0.462	0.212	0.619
		Back Side 10mm	0.072	0.031	0.055	0.103	0.127
		Left Edge 10mm	0.075	0.019	0.142	0.094	0.217
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.559	0.055	0.286	0.614	0.845

N2	ANT5	Front Side 10mm	0.346	0.055	0.462	0.401	0.808
		Back Side 10mm	0.078	0.031	0.055	0.109	0.133
		Left Edge 10mm	0.551	0.019	0.142	0.570	0.693
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.081	0.016	0.020	0.097	0.101
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
N5	ANT0	Front Side 10mm	0.092	0.055	0.462	0.147	0.554
		Back Side 10mm	0.003	0.031	0.055	0.034	0.058
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.149	0.142	0.000	0.291	0.149
		Top Edge 10mm	0.002	0.016	0.020	0.018	0.022
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
N5	ANT1	Front Side 10mm	0.035	0.055	0.462	0.090	0.497
		Back Side 10mm	0.028	0.031	0.055	0.059	0.083
		Left Edge 10mm	0.012	0.019	0.142	0.031	0.154
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.007	0.016	0.020	0.023	0.027
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
N7	ANT4	Front Side 10mm	0.331	0.055	0.462	0.386	0.793
		Back Side 10mm	0.062	0.031	0.055	0.093	0.117
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.297	0.142	0.000	0.439	0.297
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.517	0.055	0.286	0.572	0.803
N7	ANT5	Front Side 10mm	0.382	0.055	0.462	0.437	0.844
		Back Side 10mm	0.059	0.031	0.055	0.090	0.114
		Left Edge 10mm	0.416	0.019	0.142	0.435	0.558
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.059	0.016	0.020	0.075	0.079
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
N12	ANT0	Front Side 10mm	0.080	0.055	0.462	0.135	0.542
		Back Side 10mm	0.034	0.031	0.055	0.065	0.089
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.050	0.142	0.000	0.192	0.050
		Top Edge 10mm	0.016	0.016	0.020	0.032	0.036
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
N12	ANT1	Front Side 10mm	0.022	0.055	0.462	0.077	0.484
		Back Side 10mm	0.111	0.031	0.055	0.142	0.166
		Left Edge 10mm	0.106	0.019	0.142	0.125	0.248
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.120	0.055	0.286	0.175	0.406
N38	ANT4	Front Side 10mm	0.137	0.055	0.462	0.192	0.599

		Back Side 10mm	0.047	0.031	0.055	0.078	0.102
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.115	0.142	0.000	0.257	0.115
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.209	0.055	0.286	0.264	0.495
N38	ANT5	Front Side 10mm	0.203	0.055	0.462	0.258	0.665
		Back Side 10mm	0.051	0.031	0.055	0.082	0.106
		Left Edge 10mm	0.201	0.019	0.142	0.220	0.343
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.035	0.016	0.020	0.051	0.055
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
N41	ANT4	Front Side 10mm	0.124	0.055	0.462	0.179	0.586
		Back Side 10mm	0.042	0.031	0.055	0.073	0.097
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.108	0.142	0.000	0.250	0.108
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.238	0.055	0.286	0.293	0.524
N41	ANT5	Front Side 10mm	0.272	0.055	0.462	0.327	0.734
		Back Side 10mm	0.060	0.031	0.055	0.091	0.115
		Left Edge 10mm	0.316	0.019	0.142	0.335	0.458
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.033	0.016	0.020	0.049	0.053
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286
N66	ANT4	Front Side 10mm	0.102	0.055	0.462	0.157	0.564
		Back Side 10mm	0.069	0.031	0.055	0.100	0.124
		Left Edge 10mm	0.000	0.019	0.142	0.019	0.142
		Right Edge 10mm	0.038	0.142	0.000	0.180	0.038
		Top Edge 10mm	0.000	0.016	0.020	0.016	0.020
		Bottom Edge 10mm	0.154	0.055	0.286	0.209	0.440
N66	ANT5	Front Side 10mm	0.096	0.055	0.462	0.151	0.558
		Back Side 10mm	0.058	0.031	0.055	0.089	0.113
		Left Edge 10mm	0.041	0.019	0.142	0.060	0.183
		Right Edge 10mm	0.000	0.142	0.000	0.142	0.000
		Top Edge 10mm	0.031	0.016	0.020	0.047	0.051
		Bottom Edge 10mm	0.000	0.055	0.286	0.055	0.286

Note:

1: The highest Summed 1g SAR is 0.845 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.8 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with 2.4G WLAN or 5G WLAN and Bluetooth(EUT Open)

Band	Antenna	Position	Stand alone SAR				SUM SAR		
			1	2	3	4			
			WWAN	2.4GWIFI(MAX)	Max.5GWIFI(MAX)	Bluetooth Max	Sum SAR （1+2+3）	Sum SAR （1+2+4）	Sum SAR （1+3+4）
			State4	L12&13	L12&13				
GSM850	ANT0	Front Side 10mm	0.336	0.050	0.080	0.082	0.466	0.468	0.498
		Back Side 10mm	0.266	0.038	0.274	0.108	0.578	0.412	0.648
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.493	0.050	0.050	0.017	0.593	0.560	0.560
		Top Edge 10mm	0.048	0.077	0.188	0.221	0.313	0.346	0.457
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
GSM850	ANT1	Front Side 10mm	0.248	0.050	0.080	0.082	0.378	0.380	0.410
		Back Side 10mm	0.221	0.038	0.274	0.108	0.533	0.367	0.603
		Left Edge 10mm	0.174	0.067	0.091	0.015	0.332	0.256	0.280
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.201	0.004	0.004	0.000	0.209	0.205	0.205
GSM1900	ANT4	Front Side 10mm	0.136	0.050	0.080	0.082	0.266	0.268	0.298
		Back Side 10mm	0.144	0.038	0.274	0.108	0.456	0.290	0.526
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.089	0.050	0.050	0.017	0.189	0.156	0.156
		Top Edge 10mm	0.434	0.077	0.188	0.221	0.699	0.732	0.843
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
GSM1900	ANT5	Front Side 10mm	0.177	0.050	0.080	0.082	0.307	0.309	0.339
		Back Side 10mm	0.193	0.038	0.274	0.108	0.505	0.339	0.575
		Left Edge 10mm	0.306	0.067	0.091	0.015	0.464	0.388	0.412
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
WCDMA B2	ANT4	Front Side 10mm	0.120	0.050	0.080	0.082	0.250	0.252	0.282
		Back Side 10mm	0.150	0.038	0.274	0.108	0.462	0.296	0.532
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.106	0.050	0.050	0.017	0.206	0.173	0.173
		Top Edge 10mm	0.474	0.077	0.188	0.221	0.739	0.772	0.883
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
WCDMA B2	ANT5	Front Side 10mm	0.211	0.050	0.080	0.082	0.341	0.343	0.373
		Back Side 10mm	0.231	0.038	0.274	0.108	0.543	0.377	0.613
		Left Edge 10mm	0.356	0.067	0.091	0.015	0.514	0.438	0.462
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067

		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
WCDMA B4	ANT4	Front Side 10mm	0.168	0.050	0.080	0.082	0.298	0.300	0.330
		Back Side 10mm	0.172	0.038	0.274	0.108	0.484	0.318	0.554
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.107	0.050	0.050	0.017	0.207	0.174	0.174
		Top Edge 10mm	0.389	0.077	0.188	0.221	0.654	0.687	0.798
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
WCDMA B4	ANT5	Front Side 10mm	0.176	0.050	0.080	0.082	0.306	0.308	0.338
		Back Side 10mm	0.233	0.038	0.274	0.108	0.545	0.379	0.615
		Left Edge 10mm	0.288	0.067	0.091	0.015	0.446	0.370	0.394
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
WCDMA B5	ANT0	Front Side 10mm	0.359	0.050	0.080	0.082	0.489	0.491	0.521
		Back Side 10mm	0.244	0.038	0.274	0.108	0.556	0.390	0.626
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.444	0.050	0.050	0.017	0.544	0.511	0.511
		Top Edge 10mm	0.050	0.077	0.188	0.221	0.315	0.348	0.459
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
WCDMA B5	ANT1	Front Side 10mm	0.189	0.050	0.080	0.082	0.319	0.321	0.351
		Back Side 10mm	0.175	0.038	0.274	0.108	0.487	0.321	0.557
		Left Edge 10mm	0.121	0.067	0.091	0.015	0.279	0.203	0.227
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.135	0.004	0.004	0.000	0.143	0.139	0.139
LTE B2	ANT4	Front Side 10mm	0.147	0.050	0.080	0.082	0.277	0.279	0.309
		Back Side 10mm	0.145	0.038	0.274	0.108	0.457	0.291	0.527
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.102	0.050	0.050	0.017	0.202	0.169	0.169
		Top Edge 10mm	0.449	0.077	0.188	0.221	0.714	0.747	0.858
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B2	ANT5	Front Side 10mm	0.183	0.050	0.080	0.082	0.313	0.315	0.345
		Back Side 10mm	0.205	0.038	0.274	0.108	0.517	0.351	0.587
		Left Edge 10mm	0.339	0.067	0.091	0.015	0.497	0.421	0.445
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B4	ANT4	Front Side 10mm	0.159	0.050	0.080	0.082	0.289	0.291	0.321
		Back Side 10mm	0.171	0.038	0.274	0.108	0.483	0.317	0.553
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.108	0.050	0.050	0.017	0.208	0.175	0.175
		Top Edge 10mm	0.414	0.077	0.188	0.221	0.679	0.712	0.823

		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B4	ANT5	Front Side 10mm	0.235	0.050	0.080	0.082	0.365	0.367	0.397
		Back Side 10mm	0.260	0.038	0.274	0.108	0.572	0.406	0.642
		Left Edge 10mm	0.358	0.067	0.091	0.015	0.516	0.440	0.464
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B5	ANT0	Front Side 10mm	0.295	0.050	0.080	0.082	0.425	0.427	0.457
		Back Side 10mm	0.238	0.038	0.274	0.108	0.550	0.384	0.620
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.406	0.050	0.050	0.017	0.506	0.473	0.473
		Top Edge 10mm	0.044	0.077	0.188	0.221	0.309	0.342	0.453
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B5	ANT1	Front Side 10mm	0.211	0.050	0.080	0.082	0.341	0.343	0.373
		Back Side 10mm	0.194	0.038	0.274	0.108	0.506	0.340	0.576
		Left Edge 10mm	0.126	0.067	0.091	0.015	0.284	0.208	0.232
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.166	0.004	0.004	0.000	0.174	0.170	0.170
LTE B7	ANT4	Front Side 10mm	0.179	0.050	0.080	0.082	0.309	0.311	0.341
		Back Side 10mm	0.167	0.038	0.274	0.108	0.479	0.313	0.549
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.171	0.050	0.050	0.017	0.271	0.238	0.238
		Top Edge 10mm	0.371	0.077	0.188	0.221	0.636	0.669	0.780
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B7	ANT5	Front Side 10mm	0.202	0.050	0.080	0.082	0.332	0.334	0.364
		Back Side 10mm	0.219	0.038	0.274	0.108	0.531	0.365	0.601
		Left Edge 10mm	0.363	0.067	0.091	0.015	0.521	0.445	0.469
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B12	ANT0	Front Side 10mm	0.274	0.050	0.080	0.082	0.404	0.406	0.436
		Back Side 10mm	0.217	0.038	0.274	0.108	0.529	0.363	0.599
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.411	0.050	0.050	0.017	0.511	0.478	0.478
		Top Edge 10mm	0.053	0.077	0.188	0.221	0.318	0.351	0.462
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B12	ANT1	Front Side 10mm	0.260	0.050	0.080	0.082	0.390	0.392	0.422
		Back Side 10mm	0.218	0.038	0.274	0.108	0.530	0.364	0.600
		Left Edge 10mm	0.143	0.067	0.091	0.015	0.301	0.225	0.249
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.154	0.004	0.004	0.000	0.162	0.158	0.158

LTE B17	ANT0	Front Side 10mm	0.254	0.050	0.080	0.082	0.384	0.386	0.416
		Back Side 10mm	0.199	0.038	0.274	0.108	0.511	0.345	0.581
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.424	0.050	0.050	0.017	0.524	0.491	0.491
		Top Edge 10mm	0.040	0.077	0.188	0.221	0.305	0.338	0.449
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B17	ANT1	Front Side 10mm	0.254	0.050	0.080	0.082	0.384	0.386	0.416
		Back Side 10mm	0.225	0.038	0.274	0.108	0.537	0.371	0.607
		Left Edge 10mm	0.145	0.067	0.091	0.015	0.303	0.227	0.251
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.173	0.004	0.004	0.000	0.181	0.177	0.177
LTE B26	ANT0	Front Side 10mm	0.356	0.050	0.080	0.082	0.486	0.488	0.518
		Back Side 10mm	0.259	0.038	0.274	0.108	0.571	0.405	0.641
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.496	0.050	0.050	0.017	0.596	0.563	0.563
		Top Edge 10mm	0.073	0.077	0.188	0.221	0.338	0.371	0.482
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B26	ANT1	Front Side 10mm	0.211	0.050	0.080	0.082	0.341	0.343	0.373
		Back Side 10mm	0.194	0.038	0.274	0.108	0.506	0.340	0.576
		Left Edge 10mm	0.134	0.067	0.091	0.015	0.292	0.216	0.240
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.173	0.004	0.004	0.000	0.181	0.177	0.177
LTE B66	ANT4	Front Side 10mm	0.050	0.050	0.080	0.082	0.180	0.182	0.212
		Back Side 10mm	0.057	0.038	0.274	0.108	0.369	0.203	0.439
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.036	0.050	0.050	0.017	0.136	0.103	0.103
		Top Edge 10mm	0.171	0.077	0.188	0.221	0.436	0.469	0.580
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B66	ANT5	Front Side 10mm	0.037	0.050	0.080	0.082	0.167	0.169	0.199
		Back Side 10mm	0.041	0.038	0.274	0.108	0.353	0.187	0.423
		Left Edge 10mm	0.066	0.067	0.091	0.015	0.224	0.148	0.172
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B38	ANT4	Front Side 10mm	0.145	0.050	0.080	0.082	0.275	0.277	0.307
		Back Side 10mm	0.154	0.038	0.274	0.108	0.466	0.300	0.536
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.132	0.050	0.050	0.017	0.232	0.199	0.199
		Top Edge 10mm	0.385	0.077	0.188	0.221	0.650	0.683	0.794
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B38	ANT5	Front Side 10mm	0.192	0.050	0.080	0.082	0.322	0.324	0.354

		Back Side 10mm	0.210	0.038	0.274	0.108	0.522	0.356	0.592
		Left Edge 10mm	0.336	0.067	0.091	0.015	0.494	0.418	0.442
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B41	ANT4	Front Side 10mm	0.150	0.050	0.080	0.082	0.280	0.282	0.312
		Back Side 10mm	0.154	0.038	0.274	0.108	0.466	0.300	0.536
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.108	0.050	0.050	0.017	0.208	0.175	0.175
		Top Edge 10mm	0.363	0.077	0.188	0.221	0.628	0.661	0.772
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B41	ANT5	Front Side 10mm	0.142	0.050	0.080	0.082	0.272	0.274	0.304
		Back Side 10mm	0.153	0.038	0.274	0.108	0.465	0.299	0.535
		Left Edge 10mm	0.261	0.067	0.091	0.015	0.419	0.343	0.367
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N2	ANT4	Front Side 10mm	0.238	0.050	0.080	0.082	0.368	0.370	0.400
		Back Side 10mm	0.267	0.038	0.274	0.108	0.579	0.413	0.649
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.152	0.050	0.050	0.017	0.252	0.219	0.219
		Top Edge 10mm	0.785	0.077	0.188	0.221	1.050	1.083	1.194
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N2	ANT5	Front Side 10mm	0.235	0.050	0.080	0.082	0.365	0.367	0.397
		Back Side 10mm	0.230	0.038	0.274	0.108	0.542	0.376	0.612
		Left Edge 10mm	0.398	0.067	0.091	0.015	0.556	0.480	0.504
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N5	ANT0	Front Side 10mm	0.315	0.050	0.080	0.082	0.445	0.447	0.477
		Back Side 10mm	0.234	0.038	0.274	0.108	0.546	0.380	0.616
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.338	0.050	0.050	0.017	0.438	0.405	0.405
		Top Edge 10mm	0.006	0.077	0.188	0.221	0.271	0.304	0.415
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N5	ANT1	Front Side 10mm	0.165	0.050	0.080	0.082	0.295	0.297	0.327
		Back Side 10mm	0.164	0.038	0.274	0.108	0.476	0.310	0.546
		Left Edge 10mm	0.110	0.067	0.091	0.015	0.268	0.192	0.216
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.188	0.004	0.004	0.000	0.196	0.192	0.192
N7	ANT4	Front Side 10mm	0.417	0.050	0.080	0.082	0.547	0.549	0.579
		Back Side 10mm	0.360	0.038	0.274	0.108	0.672	0.506	0.742

		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.384	0.050	0.050	0.017	0.484	0.451	0.451
		Top Edge 10mm	0.806	0.077	0.188	0.221	1.071	1.104	1.215
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N7	ANT5	Front Side 10mm	0.383	0.050	0.080	0.082	0.513	0.515	0.545
		Back Side 10mm	0.416	0.038	0.274	0.108	0.728	0.562	0.798
		Left Edge 10mm	0.565	0.067	0.091	0.015	0.723	0.647	0.671
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N12	ANT0	Front Side 10mm	0.234	0.050	0.080	0.082	0.364	0.366	0.396
		Back Side 10mm	0.166	0.038	0.274	0.108	0.478	0.312	0.548
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.304	0.050	0.050	0.017	0.404	0.371	0.371
		Top Edge 10mm	0.014	0.077	0.188	0.221	0.279	0.312	0.423
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N12	ANT1	Front Side 10mm	0.200	0.050	0.080	0.082	0.330	0.332	0.362
		Back Side 10mm	0.182	0.038	0.274	0.108	0.494	0.328	0.564
		Left Edge 10mm	0.117	0.067	0.091	0.015	0.275	0.199	0.223
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.138	0.004	0.004	0.000	0.146	0.142	0.142
N38	ANT4	Front Side 10mm	0.166	0.050	0.080	0.082	0.296	0.298	0.328
		Back Side 10mm	0.166	0.038	0.274	0.108	0.478	0.312	0.548
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.142	0.050	0.050	0.017	0.242	0.209	0.209
		Top Edge 10mm	0.467	0.077	0.188	0.221	0.732	0.765	0.876
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N38	ANT5	Front Side 10mm	0.260	0.050	0.080	0.082	0.390	0.392	0.422
		Back Side 10mm	0.279	0.038	0.274	0.108	0.591	0.425	0.661
		Left Edge 10mm	0.515	0.067	0.091	0.015	0.673	0.597	0.621
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N41	ANT4	Front Side 10mm	0.152	0.050	0.080	0.082	0.282	0.284	0.314
		Back Side 10mm	0.137	0.038	0.274	0.108	0.449	0.283	0.519
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.177	0.050	0.050	0.017	0.277	0.244	0.244
		Top Edge 10mm	0.432	0.077	0.188	0.221	0.697	0.730	0.841
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N41	ANT5	Front Side 10mm	0.240	0.050	0.080	0.082	0.370	0.372	0.402
		Back Side 10mm	0.264	0.038	0.274	0.108	0.576	0.410	0.646
		Left Edge 10mm	0.413	0.067	0.091	0.015	0.571	0.495	0.519

		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N66	ANT4	Front Side 10mm	0.093	0.050	0.080	0.082	0.223	0.225	0.255
		Back Side 10mm	0.084	0.038	0.274	0.108	0.396	0.230	0.466
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.059	0.050	0.050	0.017	0.159	0.126	0.126
		Top Edge 10mm	0.289	0.077	0.188	0.221	0.554	0.587	0.698
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N66	ANT5	Front Side 10mm	0.037	0.050	0.080	0.082	0.167	0.169	0.199
		Back Side 10mm	0.058	0.038	0.274	0.108	0.370	0.204	0.440
		Left Edge 10mm	0.094	0.067	0.091	0.015	0.252	0.176	0.200
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004

Note:

1: The highest Summed 1g SAR is 1.215 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.9 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with 2.4G WLAN or 5G WLAN and Bluetooth(EUT Close)

Band	Antenna	Position	Stand alone SAR				SUM SAR		
			1	2	3	4			
			WWAN	2.4GWIFI (MAX)	Max.5GWIFI (MAX)	Bluetooth Max	Sum SAR （1+2+3）	Sum SAR （1+2+4）	Sum SAR （1+3+4）
			STATE4	L12&13	L12&13	Level8			
GSM850	ANT0	Front Side 10mm	0.122	0.050	0.080	0.082	0.252	0.254	0.284
		Back Side 10mm	0.042	0.038	0.274	0.108	0.354	0.188	0.424
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.198	0.050	0.050	0.017	0.298	0.265	0.265
		Top Edge 10mm	0.027	0.077	0.188	0.221	0.292	0.325	0.436
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
GSM850	ANT1	Front Side 10mm	0.047	0.050	0.080	0.082	0.177	0.179	0.209
		Back Side 10mm	0.153	0.038	0.274	0.108	0.465	0.299	0.535
		Left Edge 10mm	0.096	0.067	0.091	0.015	0.254	0.178	0.202
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.109	0.004	0.004	0.000	0.117	0.113	0.113
GSM1900	ANT4	Front Side 10mm	0.123	0.050	0.080	0.082	0.253	0.255	0.285
		Back Side 10mm	0.080	0.038	0.274	0.108	0.392	0.226	0.462
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106

		Right Edge 10mm	0.174	0.050	0.050	0.017	0.274	0.241	0.241
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.362	0.004	0.004	0.000	0.370	0.366	0.366
GSM1900	ANT5	Front Side 10mm	0.120	0.050	0.080	0.082	0.250	0.252	0.282
		Back Side 10mm	0.040	0.038	0.274	0.108	0.352	0.186	0.422
		Left Edge 10mm	0.363	0.067	0.091	0.015	0.521	0.445	0.469
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.078	0.077	0.188	0.221	0.343	0.376	0.487
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
WCDMA B2	ANT4	Front Side 10mm	0.137	0.050	0.080	0.082	0.267	0.269	0.299
		Back Side 10mm	0.056	0.038	0.274	0.108	0.368	0.202	0.438
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.053	0.050	0.050	0.017	0.153	0.120	0.120
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.348	0.004	0.004	0.000	0.356	0.352	0.352
WCDMA B2	ANT5	Front Side 10mm	0.178	0.050	0.080	0.082	0.308	0.310	0.340
		Back Side 10mm	0.053	0.038	0.274	0.108	0.365	0.199	0.435
		Left Edge 10mm	0.352	0.067	0.091	0.015	0.510	0.434	0.458
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.024	0.077	0.188	0.221	0.289	0.322	0.433
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
WCDMA B4	ANT4	Front Side 10mm	0.252	0.050	0.080	0.082	0.382	0.384	0.414
		Back Side 10mm	0.084	0.038	0.274	0.108	0.396	0.230	0.466
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.153	0.050	0.050	0.017	0.253	0.220	0.220
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.249	0.004	0.004	0.000	0.257	0.253	0.253
WCDMA B4	ANT5	Front Side 10mm	0.105	0.050	0.080	0.082	0.235	0.237	0.267
		Back Side 10mm	0.037	0.038	0.274	0.108	0.349	0.183	0.419
		Left Edge 10mm	0.221	0.067	0.091	0.015	0.379	0.303	0.327
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.059	0.077	0.188	0.221	0.324	0.357	0.468
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
WCDMA B5	ANT0	Front Side 10mm	0.122	0.050	0.080	0.082	0.252	0.254	0.284
		Back Side 10mm	0.048	0.038	0.274	0.108	0.360	0.194	0.430
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.250	0.050	0.050	0.017	0.350	0.317	0.317
		Top Edge 10mm	0.030	0.077	0.188	0.221	0.295	0.328	0.439
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
WCDMA B5	ANT1	Front Side 10mm	0.045	0.050	0.080	0.082	0.175	0.177	0.207
		Back Side 10mm	0.140	0.038	0.274	0.108	0.452	0.286	0.522
		Left Edge 10mm	0.084	0.067	0.091	0.015	0.242	0.166	0.190
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067

		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.099	0.004	0.004	0.000	0.107	0.103	0.103
LTE B2	ANT4	Front Side 10mm	0.174	0.050	0.080	0.082	0.304	0.306	0.336
		Back Side 10mm	0.072	0.038	0.274	0.108	0.384	0.218	0.454
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.066	0.050	0.050	0.017	0.166	0.133	0.133
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.399	0.004	0.004	0.000	0.407	0.403	0.403
LTE B2	ANT5	Front Side 10mm	0.139	0.050	0.080	0.082	0.269	0.271	0.301
		Back Side 10mm	0.038	0.038	0.274	0.108	0.350	0.184	0.420
		Left Edge 10mm	0.316	0.067	0.091	0.015	0.474	0.398	0.422
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.069	0.077	0.188	0.221	0.334	0.367	0.478
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B4	ANT4	Front Side 10mm	0.148	0.050	0.080	0.082	0.278	0.280	0.310
		Back Side 10mm	0.052	0.038	0.274	0.108	0.364	0.198	0.434
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.064	0.050	0.050	0.017	0.164	0.131	0.131
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.287	0.004	0.004	0.000	0.295	0.291	0.291
LTE B4	ANT5	Front Side 10mm	0.112	0.050	0.080	0.082	0.242	0.244	0.274
		Back Side 10mm	0.040	0.038	0.274	0.108	0.352	0.186	0.422
		Left Edge 10mm	0.271	0.067	0.091	0.015	0.429	0.353	0.377
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.067	0.077	0.188	0.221	0.332	0.365	0.476
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B5	ANT0	Front Side 10mm	0.127	0.050	0.080	0.082	0.257	0.259	0.289
		Back Side 10mm	0.076	0.038	0.274	0.108	0.388	0.222	0.458
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.147	0.050	0.050	0.017	0.247	0.214	0.214
		Top Edge 10mm	0.046	0.077	0.188	0.221	0.311	0.344	0.455
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B5	ANT1	Front Side 10mm	0.064	0.050	0.080	0.082	0.194	0.196	0.226
		Back Side 10mm	0.223	0.038	0.274	0.108	0.535	0.369	0.605
		Left Edge 10mm	0.149	0.067	0.091	0.015	0.307	0.231	0.255
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.164	0.004	0.004	0.000	0.172	0.168	0.168
LTE B7	ANT4	Front Side 10mm	0.123	0.050	0.080	0.082	0.253	0.255	0.285
		Back Side 10mm	0.032	0.038	0.274	0.108	0.344	0.178	0.414
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.092	0.050	0.050	0.017	0.192	0.159	0.159
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409

		Bottom Edge 10mm	0.197	0.004	0.004	0.000	0.205	0.201	0.201
LTE B7	ANT5	Front Side 10mm	0.103	0.050	0.080	0.082	0.233	0.235	0.265
		Back Side 10mm	0.060	0.038	0.274	0.108	0.372	0.206	0.442
		Left Edge 10mm	0.127	0.067	0.091	0.015	0.285	0.209	0.233
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.050	0.077	0.188	0.221	0.315	0.348	0.459
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B12	ANT0	Front Side 10mm	0.076	0.050	0.080	0.082	0.206	0.208	0.238
		Back Side 10mm	0.044	0.038	0.274	0.108	0.356	0.190	0.426
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.112	0.050	0.050	0.017	0.212	0.179	0.179
		Top Edge 10mm	0.034	0.077	0.188	0.221	0.299	0.332	0.443
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B12	ANT1	Front Side 10mm	0.045	0.050	0.080	0.082	0.175	0.177	0.207
		Back Side 10mm	0.209	0.038	0.274	0.108	0.521	0.355	0.591
		Left Edge 10mm	0.112	0.067	0.091	0.015	0.270	0.194	0.218
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.155	0.004	0.004	0.000	0.163	0.159	0.159
LTE B17	ANT0	Front Side 10mm	0.083	0.050	0.080	0.082	0.213	0.215	0.245
		Back Side 10mm	0.044	0.038	0.274	0.108	0.356	0.190	0.426
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.120	0.050	0.050	0.017	0.220	0.187	0.187
		Top Edge 10mm	0.023	0.077	0.188	0.221	0.288	0.321	0.432
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B17	ANT1	Front Side 10mm	0.038	0.050	0.080	0.082	0.168	0.170	0.200
		Back Side 10mm	0.189	0.038	0.274	0.108	0.501	0.335	0.571
		Left Edge 10mm	0.107	0.067	0.091	0.015	0.265	0.189	0.213
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.129	0.004	0.004	0.000	0.137	0.133	0.133
LTE B26	ANT0	Front Side 10mm	0.142	0.050	0.080	0.082	0.272	0.274	0.304
		Back Side 10mm	0.051	0.038	0.274	0.108	0.363	0.197	0.433
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.299	0.050	0.050	0.017	0.399	0.366	0.366
		Top Edge 10mm	0.035	0.077	0.188	0.221	0.300	0.333	0.444
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B26	ANT1	Front Side 10mm	0.035	0.050	0.080	0.082	0.165	0.167	0.197
		Back Side 10mm	0.144	0.038	0.274	0.108	0.456	0.290	0.526
		Left Edge 10mm	0.095	0.067	0.091	0.015	0.253	0.177	0.201
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.111	0.004	0.004	0.000	0.119	0.115	0.115

LTE B66	ANT4	Front Side 10mm	0.076	0.050	0.080	0.082	0.206	0.208	0.238
		Back Side 10mm	0.020	0.038	0.274	0.108	0.332	0.166	0.402
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.025	0.050	0.050	0.017	0.125	0.092	0.092
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.124	0.004	0.004	0.000	0.132	0.128	0.128
LTE B66	ANT5	Front Side 10mm	0.067	0.050	0.080	0.082	0.197	0.199	0.229
		Back Side 10mm	0.028	0.038	0.274	0.108	0.340	0.174	0.410
		Left Edge 10mm	0.078	0.067	0.091	0.015	0.236	0.160	0.184
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.026	0.077	0.188	0.221	0.291	0.324	0.435
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B38	ANT4	Front Side 10mm	0.070	0.050	0.080	0.082	0.200	0.202	0.232
		Back Side 10mm	0.034	0.038	0.274	0.108	0.346	0.180	0.416
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.067	0.050	0.050	0.017	0.167	0.134	0.134
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.161	0.004	0.004	0.000	0.169	0.165	0.165
LTE B38	ANT5	Front Side 10mm	0.140	0.050	0.080	0.082	0.270	0.272	0.302
		Back Side 10mm	0.039	0.038	0.274	0.108	0.351	0.185	0.421
		Left Edge 10mm	0.149	0.067	0.091	0.015	0.307	0.231	0.255
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.044	0.077	0.188	0.221	0.309	0.342	0.453
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
LTE B41	ANT4	Front Side 10mm	0.096	0.050	0.080	0.082	0.226	0.228	0.258
		Back Side 10mm	0.048	0.038	0.274	0.108	0.360	0.194	0.430
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.089	0.050	0.050	0.017	0.189	0.156	0.156
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.178	0.004	0.004	0.000	0.186	0.182	0.182
LTE B41	ANT5	Front Side 10mm	0.104	0.050	0.080	0.082	0.234	0.236	0.266
		Back Side 10mm	0.027	0.038	0.274	0.108	0.339	0.173	0.409
		Left Edge 10mm	0.146	0.067	0.091	0.015	0.304	0.228	0.252
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.024	0.077	0.188	0.221	0.289	0.322	0.433
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N2	ANT4	Front Side 10mm	0.157	0.050	0.080	0.082	0.287	0.289	0.319
		Back Side 10mm	0.072	0.038	0.274	0.108	0.384	0.218	0.454
		Left Edge 10mm	0.075	0.067	0.091	0.015	0.233	0.157	0.181
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.559	0.004	0.004	0.000	0.567	0.563	0.563
N2	ANT5	Front Side 10mm	0.346	0.050	0.080	0.082	0.476	0.478	0.508

		Back Side 10mm	0.078	0.038	0.274	0.108	0.390	0.224	0.460
		Left Edge 10mm	0.551	0.067	0.091	0.015	0.709	0.633	0.657
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.081	0.077	0.188	0.221	0.346	0.379	0.490
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N5	ANT0	Front Side 10mm	0.092	0.050	0.080	0.082	0.222	0.224	0.254
		Back Side 10mm	0.003	0.038	0.274	0.108	0.315	0.149	0.385
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.149	0.050	0.050	0.017	0.249	0.216	0.216
		Top Edge 10mm	0.002	0.077	0.188	0.221	0.267	0.300	0.411
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N5	ANT1	Front Side 10mm	0.035	0.050	0.080	0.082	0.165	0.167	0.197
		Back Side 10mm	0.028	0.038	0.274	0.108	0.340	0.174	0.410
		Left Edge 10mm	0.012	0.067	0.091	0.015	0.170	0.094	0.118
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.007	0.077	0.188	0.221	0.272	0.305	0.416
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N7	ANT4	Front Side 10mm	0.331	0.050	0.080	0.082	0.461	0.463	0.493
		Back Side 10mm	0.062	0.038	0.274	0.108	0.374	0.208	0.444
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.297	0.050	0.050	0.017	0.397	0.364	0.364
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.517	0.004	0.004	0.000	0.525	0.521	0.521
N7	ANT5	Front Side 10mm	0.382	0.050	0.080	0.082	0.512	0.514	0.544
		Back Side 10mm	0.059	0.038	0.274	0.108	0.371	0.205	0.441
		Left Edge 10mm	0.416	0.067	0.091	0.015	0.574	0.498	0.522
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.059	0.077	0.188	0.221	0.324	0.357	0.468
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N12	ANT0	Front Side 10mm	0.080	0.050	0.080	0.082	0.210	0.212	0.242
		Back Side 10mm	0.034	0.038	0.274	0.108	0.346	0.180	0.416
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.050	0.050	0.050	0.017	0.150	0.117	0.117
		Top Edge 10mm	0.016	0.077	0.188	0.221	0.281	0.314	0.425
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N12	ANT1	Front Side 10mm	0.022	0.050	0.080	0.082	0.152	0.154	0.184
		Back Side 10mm	0.111	0.038	0.274	0.108	0.423	0.257	0.493
		Left Edge 10mm	0.106	0.067	0.091	0.015	0.264	0.188	0.212
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.120	0.004	0.004	0.000	0.128	0.124	0.124
N38	ANT4	Front Side 10mm	0.137	0.050	0.080	0.082	0.267	0.269	0.299
		Back Side 10mm	0.047	0.038	0.274	0.108	0.359	0.193	0.429

		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.115	0.050	0.050	0.017	0.215	0.182	0.182
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.209	0.004	0.004	0.000	0.217	0.213	0.213
N38	ANT5	Front Side 10mm	0.203	0.050	0.080	0.082	0.333	0.335	0.365
		Back Side 10mm	0.051	0.038	0.274	0.108	0.363	0.197	0.433
		Left Edge 10mm	0.201	0.067	0.091	0.015	0.359	0.283	0.307
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.035	0.077	0.188	0.221	0.300	0.333	0.444
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N41	ANT4	Front Side 10mm	0.124	0.050	0.080	0.082	0.254	0.256	0.286
		Back Side 10mm	0.042	0.038	0.274	0.108	0.354	0.188	0.424
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.108	0.050	0.050	0.017	0.208	0.175	0.175
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.238	0.004	0.004	0.000	0.246	0.242	0.242
N41	ANT5	Front Side 10mm	0.272	0.050	0.080	0.082	0.402	0.404	0.434
		Back Side 10mm	0.060	0.038	0.274	0.108	0.372	0.206	0.442
		Left Edge 10mm	0.316	0.067	0.091	0.015	0.474	0.398	0.422
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.033	0.077	0.188	0.221	0.298	0.331	0.442
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004
N66	ANT4	Front Side 10mm	0.102	0.050	0.080	0.082	0.232	0.234	0.264
		Back Side 10mm	0.069	0.038	0.274	0.108	0.381	0.215	0.451
		Left Edge 10mm	0.000	0.067	0.091	0.015	0.158	0.082	0.106
		Right Edge 10mm	0.038	0.050	0.050	0.017	0.138	0.105	0.105
		Top Edge 10mm	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.154	0.004	0.004	0.000	0.162	0.158	0.158
N66	ANT5	Front Side 10mm	0.096	0.050	0.080	0.082	0.226	0.228	0.258
		Back Side 10mm	0.058	0.038	0.274	0.108	0.370	0.204	0.440
		Left Edge 10mm	0.041	0.067	0.091	0.015	0.199	0.123	0.147
		Right Edge 10mm	0.000	0.050	0.050	0.017	0.100	0.067	0.067
		Top Edge 10mm	0.031	0.077	0.188	0.221	0.296	0.329	0.440
		Bottom Edge 10mm	0.000	0.004	0.004	0.000	0.008	0.004	0.004

Note:

1: The highest Summed 1g SAR is 0.709 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.10 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with 2.4G WLAN and 5G WLAN and Bluetooth(EUT Open)

Band	Antenna	Position	Stand alone SAR				SUM SAR
			1.000	2	3	4	

			WWAN	2.4GWIFI(MAX)	Max.5GWIFI(MAX)	Bluetooth Max	Sum SAR（1+2+3+4）
			STATE4	L14	L14		
GSM850	ANT0	Front Side 10mm	0.336	0.015	0.041	0.082	0.392
		Back Side 10mm	0.266	0.008	0.126	0.108	0.400
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.493	0.042	0.042	0.017	0.577
		Top Edge 10mm	0.048	0.003	0.087	0.221	0.138
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
GSM850	ANT1	Front Side 10mm	0.248	0.015	0.041	0.082	0.304
		Back Side 10mm	0.221	0.008	0.126	0.108	0.355
		Left Edge 10mm	0.174	0.005	0.042	0.015	0.221
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.201	0.014	0.014	0.000	0.229
GSM1900	ANT4	Front Side 10mm	0.136	0.015	0.041	0.082	0.192
		Back Side 10mm	0.144	0.008	0.126	0.108	0.278
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.089	0.042	0.042	0.017	0.173
		Top Edge 10mm	0.434	0.003	0.087	0.221	0.524
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
GSM1900	ANT5	Front Side 10mm	0.177	0.015	0.041	0.082	0.233
		Back Side 10mm	0.193	0.008	0.126	0.108	0.327
		Left Edge 10mm	0.306	0.005	0.042	0.015	0.353
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
WCDMA B2	ANT4	Front Side 10mm	0.120	0.015	0.041	0.082	0.176
		Back Side 10mm	0.150	0.008	0.126	0.108	0.284
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.106	0.042	0.042	0.017	0.190
		Top Edge 10mm	0.474	0.003	0.087	0.221	0.564
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
WCDMA B2	ANT5	Front Side 10mm	0.211	0.015	0.041	0.082	0.267
		Back Side 10mm	0.231	0.008	0.126	0.108	0.365
		Left Edge 10mm	0.356	0.005	0.042	0.015	0.403
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
WCDMA B4	ANT4	Front Side 10mm	0.168	0.015	0.041	0.082	0.224
		Back Side 10mm	0.172	0.008	0.126	0.108	0.306
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.107	0.042	0.042	0.017	0.191

		Top Edge 10mm	0.389	0.003	0.087	0.221	0.479
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
WCDMA B4	ANT5	Front Side 10mm	0.176	0.015	0.041	0.082	0.232
		Back Side 10mm	0.233	0.008	0.126	0.108	0.367
		Left Edge 10mm	0.288	0.005	0.042	0.015	0.335
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
WCDMA B5	ANT0	Front Side 10mm	0.359	0.015	0.041	0.082	0.415
		Back Side 10mm	0.244	0.008	0.126	0.108	0.378
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.444	0.042	0.042	0.017	0.528
		Top Edge 10mm	0.050	0.003	0.087	0.221	0.140
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
WCDMA B5	ANT1	Front Side 10mm	0.189	0.015	0.041	0.082	0.245
		Back Side 10mm	0.175	0.008	0.126	0.108	0.309
		Left Edge 10mm	0.121	0.005	0.042	0.015	0.168
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.135	0.014	0.014	0.000	0.163
LTE B2	ANT4	Front Side 10mm	0.147	0.015	0.041	0.082	0.203
		Back Side 10mm	0.145	0.008	0.126	0.108	0.279
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.102	0.042	0.042	0.017	0.186
		Top Edge 10mm	0.449	0.003	0.087	0.221	0.539
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B2	ANT5	Front Side 10mm	0.183	0.015	0.041	0.082	0.239
		Back Side 10mm	0.205	0.008	0.126	0.108	0.339
		Left Edge 10mm	0.339	0.005	0.042	0.015	0.386
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B4	ANT4	Front Side 10mm	0.159	0.015	0.041	0.082	0.215
		Back Side 10mm	0.171	0.008	0.126	0.108	0.305
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.108	0.042	0.042	0.017	0.192
		Top Edge 10mm	0.414	0.003	0.087	0.221	0.504
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B4	ANT5	Front Side 10mm	0.235	0.015	0.041	0.082	0.291
		Back Side 10mm	0.260	0.008	0.126	0.108	0.394
		Left Edge 10mm	0.358	0.005	0.042	0.015	0.405
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090

		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B5	ANT0	Front Side 10mm	0.295	0.015	0.041	0.082	0.351
		Back Side 10mm	0.238	0.008	0.126	0.108	0.372
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.406	0.042	0.042	0.017	0.490
		Top Edge 10mm	0.044	0.003	0.087	0.221	0.134
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B5	ANT1	Front Side 10mm	0.211	0.015	0.041	0.082	0.267
		Back Side 10mm	0.194	0.008	0.126	0.108	0.328
		Left Edge 10mm	0.126	0.005	0.042	0.015	0.173
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.166	0.014	0.014	0.000	0.194
LTE B7	ANT4	Front Side 10mm	0.179	0.015	0.041	0.082	0.235
		Back Side 10mm	0.167	0.008	0.126	0.108	0.301
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.171	0.042	0.042	0.017	0.255
		Top Edge 10mm	0.371	0.003	0.087	0.221	0.461
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B7	ANT5	Front Side 10mm	0.202	0.015	0.041	0.082	0.258
		Back Side 10mm	0.219	0.008	0.126	0.108	0.353
		Left Edge 10mm	0.363	0.005	0.042	0.015	0.410
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B12	ANT0	Front Side 10mm	0.274	0.015	0.041	0.082	0.330
		Back Side 10mm	0.217	0.008	0.126	0.108	0.351
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.411	0.042	0.042	0.017	0.495
		Top Edge 10mm	0.053	0.003	0.087	0.221	0.143
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B12	ANT1	Front Side 10mm	0.260	0.015	0.041	0.082	0.316
		Back Side 10mm	0.218	0.008	0.126	0.108	0.352
		Left Edge 10mm	0.143	0.005	0.042	0.015	0.190
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.154	0.014	0.014	0.000	0.182
LTE B17	ANT0	Front Side 10mm	0.254	0.015	0.041	0.082	0.310
		Back Side 10mm	0.199	0.008	0.126	0.108	0.333
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.424	0.042	0.042	0.017	0.508
		Top Edge 10mm	0.040	0.003	0.087	0.221	0.130
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028

LTE B17	ANT1	Front Side 10mm	0.254	0.015	0.041	0.082	0.310
		Back Side 10mm	0.225	0.008	0.126	0.108	0.359
		Left Edge 10mm	0.145	0.005	0.042	0.015	0.192
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.173	0.014	0.014	0.000	0.201
LTE B26	ANT0	Front Side 10mm	0.356	0.015	0.041	0.082	0.412
		Back Side 10mm	0.259	0.008	0.126	0.108	0.393
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.496	0.042	0.042	0.017	0.580
		Top Edge 10mm	0.073	0.003	0.087	0.221	0.163
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B26	ANT1	Front Side 10mm	0.211	0.015	0.041	0.082	0.267
		Back Side 10mm	0.194	0.008	0.126	0.108	0.328
		Left Edge 10mm	0.134	0.005	0.042	0.015	0.181
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.173	0.014	0.014	0.000	0.201
LTE B66	ANT4	Front Side 10mm	0.050	0.015	0.041	0.082	0.106
		Back Side 10mm	0.057	0.008	0.126	0.108	0.191
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.036	0.042	0.042	0.017	0.120
		Top Edge 10mm	0.171	0.003	0.087	0.221	0.261
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B66	ANT5	Front Side 10mm	0.037	0.015	0.041	0.082	0.093
		Back Side 10mm	0.041	0.008	0.126	0.108	0.175
		Left Edge 10mm	0.066	0.005	0.042	0.015	0.113
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B38	ANT4	Front Side 10mm	0.145	0.015	0.041	0.082	0.201
		Back Side 10mm	0.154	0.008	0.126	0.108	0.288
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.132	0.042	0.042	0.017	0.216
		Top Edge 10mm	0.385	0.003	0.087	0.221	0.475
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B38	ANT5	Front Side 10mm	0.192	0.015	0.041	0.082	0.248
		Back Side 10mm	0.210	0.008	0.126	0.108	0.344
		Left Edge 10mm	0.336	0.005	0.042	0.015	0.383
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B41	ANT4	Front Side 10mm	0.150	0.015	0.041	0.082	0.206

		Back Side 10mm	0.154	0.008	0.126	0.108	0.288
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.108	0.042	0.042	0.017	0.192
		Top Edge 10mm	0.363	0.003	0.087	0.221	0.453
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B41	ANT5	Front Side 10mm	0.142	0.015	0.041	0.082	0.198
		Back Side 10mm	0.153	0.008	0.126	0.108	0.287
		Left Edge 10mm	0.261	0.005	0.042	0.015	0.308
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N2	ANT4	Front Side 10mm	0.238	0.015	0.041	0.082	0.294
		Back Side 10mm	0.267	0.008	0.126	0.108	0.401
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.152	0.042	0.042	0.017	0.236
		Top Edge 10mm	0.785	0.003	0.087	0.221	0.875
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N2	ANT5	Front Side 10mm	0.235	0.015	0.041	0.082	0.291
		Back Side 10mm	0.230	0.008	0.126	0.108	0.364
		Left Edge 10mm	0.398	0.005	0.042	0.015	0.445
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N5	ANT0	Front Side 10mm	0.315	0.015	0.041	0.082	0.371
		Back Side 10mm	0.234	0.008	0.126	0.108	0.368
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.338	0.042	0.042	0.017	0.422
		Top Edge 10mm	0.006	0.003	0.087	0.221	0.096
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N5	ANT1	Front Side 10mm	0.165	0.015	0.041	0.082	0.221
		Back Side 10mm	0.164	0.008	0.126	0.108	0.298
		Left Edge 10mm	0.110	0.005	0.042	0.015	0.157
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.188	0.014	0.014	0.000	0.216
N7	ANT4	Front Side 10mm	0.417	0.015	0.041	0.082	0.473
		Back Side 10mm	0.360	0.008	0.126	0.108	0.494
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.384	0.042	0.042	0.017	0.468
		Top Edge 10mm	0.806	0.003	0.087	0.221	0.896
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N7	ANT5	Front Side 10mm	0.383	0.015	0.041	0.082	0.439
		Back Side 10mm	0.416	0.008	0.126	0.108	0.550

		Left Edge 10mm	0.565	0.005	0.042	0.015	0.612
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N12	ANT0	Front Side 10mm	0.234	0.015	0.041	0.082	0.290
		Back Side 10mm	0.166	0.008	0.126	0.108	0.300
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.304	0.042	0.042	0.017	0.388
		Top Edge 10mm	0.014	0.003	0.087	0.221	0.104
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N12	ANT1	Front Side 10mm	0.200	0.015	0.041	0.082	0.256
		Back Side 10mm	0.182	0.008	0.126	0.108	0.316
		Left Edge 10mm	0.117	0.005	0.042	0.015	0.164
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.138	0.014	0.014	0.000	0.166
N38	ANT4	Front Side 10mm	0.166	0.015	0.041	0.082	0.222
		Back Side 10mm	0.166	0.008	0.126	0.108	0.300
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.142	0.042	0.042	0.017	0.226
		Top Edge 10mm	0.467	0.003	0.087	0.221	0.557
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N38	ANT5	Front Side 10mm	0.260	0.015	0.041	0.082	0.316
		Back Side 10mm	0.279	0.008	0.126	0.108	0.413
		Left Edge 10mm	0.515	0.005	0.042	0.015	0.562
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N41	ANT4	Front Side 10mm	0.152	0.015	0.041	0.082	0.208
		Back Side 10mm	0.137	0.008	0.126	0.108	0.271
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.177	0.042	0.042	0.017	0.261
		Top Edge 10mm	0.432	0.003	0.087	0.221	0.522
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N41	ANT5	Front Side 10mm	0.240	0.015	0.041	0.082	0.296
		Back Side 10mm	0.264	0.008	0.126	0.108	0.398
		Left Edge 10mm	0.413	0.005	0.042	0.015	0.460
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N66	ANT4	Front Side 10mm	0.093	0.015	0.041	0.082	0.149
		Back Side 10mm	0.084	0.008	0.126	0.108	0.218
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047

		Right Edge 10mm	0.059	0.042	0.042	0.017	0.143
		Top Edge 10mm	0.289	0.003	0.087	0.221	0.379
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N66	ANT5	Front Side 10mm	0.037	0.015	0.041	0.082	0.093
		Back Side 10mm	0.058	0.008	0.126	0.108	0.192
		Left Edge 10mm	0.094	0.005	0.042	0.015	0.141
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028

Note:

1: The highest Summed 1g SAR is 0.896 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.11 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with 2.4G WLAN and 5G WLAN and Bluetooth(EUT Close)

Band	Antenna	Position	Stand alone SAR				SUM SAR
			1	2	3	4	
			WWAN	2.4GWIFI(MAX)	Max.5GWIFI(MAX)	Bluetooth Max	Sum SAR（1+2+3+4）
			STATE4	L14	L14	L8	
GSM850	ANT0	Front Side 10mm	0.122	0.015	0.041	0.082	0.178
		Back Side 10mm	0.042	0.008	0.126	0.108	0.176
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.198	0.042	0.042	0.017	0.282
		Top Edge 10mm	0.027	0.003	0.087	0.221	0.117
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
GSM850	ANT1	Front Side 10mm	0.047	0.015	0.041	0.082	0.103
		Back Side 10mm	0.153	0.008	0.126	0.108	0.287
		Left Edge 10mm	0.096	0.005	0.042	0.015	0.143
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.109	0.014	0.014	0.000	0.137
GSM1900	ANT4	Front Side 10mm	0.123	0.015	0.041	0.082	0.179
		Back Side 10mm	0.080	0.008	0.126	0.108	0.214
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.174	0.042	0.042	0.017	0.258
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.362	0.014	0.014	0.000	0.390
GSM1900	ANT5	Front Side 10mm	0.120	0.015	0.041	0.082	0.176
		Back Side 10mm	0.040	0.008	0.126	0.108	0.174
		Left Edge 10mm	0.363	0.005	0.042	0.015	0.410
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.078	0.003	0.087	0.221	0.168
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
WCDMA B2	ANT4	Front Side 10mm	0.137	0.015	0.041	0.082	0.193
		Back Side 10mm	0.056	0.008	0.126	0.108	0.190
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.053	0.042	0.042	0.017	0.137
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.348	0.014	0.014	0.000	0.376
WCDMA B2	ANT5	Front Side 10mm	0.178	0.015	0.041	0.082	0.234
		Back Side 10mm	0.053	0.008	0.126	0.108	0.187
		Left Edge 10mm	0.352	0.005	0.042	0.015	0.399
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084

		Top Edge 10mm	0.024	0.003	0.087	0.221	0.114
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
WCDMA B4	ANT4	Front Side 10mm	0.252	0.015	0.041	0.082	0.308
		Back Side 10mm	0.084	0.008	0.126	0.108	0.218
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.153	0.042	0.042	0.017	0.237
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.249	0.014	0.014	0.000	0.277
WCDMA B4	ANT5	Front Side 10mm	0.105	0.015	0.041	0.082	0.161
		Back Side 10mm	0.037	0.008	0.126	0.108	0.171
		Left Edge 10mm	0.221	0.005	0.042	0.015	0.268
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.059	0.003	0.087	0.221	0.149
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
WCDMA B5	ANT0	Front Side 10mm	0.122	0.015	0.041	0.082	0.178
		Back Side 10mm	0.048	0.008	0.126	0.108	0.182
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.250	0.042	0.042	0.017	0.334
		Top Edge 10mm	0.030	0.003	0.087	0.221	0.120
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
WCDMA B5	ANT1	Front Side 10mm	0.045	0.015	0.041	0.082	0.101
		Back Side 10mm	0.140	0.008	0.126	0.108	0.274
		Left Edge 10mm	0.084	0.005	0.042	0.015	0.131
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.099	0.014	0.014	0.000	0.127
LTE B2	ANT4	Front Side 10mm	0.174	0.015	0.041	0.082	0.230
		Back Side 10mm	0.072	0.008	0.126	0.108	0.206
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.066	0.042	0.042	0.017	0.150
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.399	0.014	0.014	0.000	0.427
LTE B2	ANT5	Front Side 10mm	0.139	0.015	0.041	0.082	0.195
		Back Side 10mm	0.038	0.008	0.126	0.108	0.172
		Left Edge 10mm	0.316	0.005	0.042	0.015	0.363
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.069	0.003	0.087	0.221	0.159
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B4	ANT4	Front Side 10mm	0.148	0.015	0.041	0.082	0.204
		Back Side 10mm	0.052	0.008	0.126	0.108	0.186
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.064	0.042	0.042	0.017	0.148
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090

		Bottom Edge 10mm	0.287	0.014	0.014	0.000	0.315
LTE B4	ANT5	Front Side 10mm	0.112	0.015	0.041	0.082	0.168
		Back Side 10mm	0.040	0.008	0.126	0.108	0.174
		Left Edge 10mm	0.271	0.005	0.042	0.015	0.318
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.067	0.003	0.087	0.221	0.157
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B5	ANT0	Front Side 10mm	0.127	0.015	0.041	0.082	0.183
		Back Side 10mm	0.076	0.008	0.126	0.108	0.210
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.147	0.042	0.042	0.017	0.231
		Top Edge 10mm	0.046	0.003	0.087	0.221	0.136
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B5	ANT1	Front Side 10mm	0.064	0.015	0.041	0.082	0.120
		Back Side 10mm	0.223	0.008	0.126	0.108	0.357
		Left Edge 10mm	0.149	0.005	0.042	0.015	0.196
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.164	0.014	0.014	0.000	0.192
LTE B7	ANT4	Front Side 10mm	0.123	0.015	0.041	0.082	0.179
		Back Side 10mm	0.032	0.008	0.126	0.108	0.166
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.092	0.042	0.042	0.017	0.176
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.197	0.014	0.014	0.000	0.225
LTE B7	ANT5	Front Side 10mm	0.103	0.015	0.041	0.082	0.159
		Back Side 10mm	0.060	0.008	0.126	0.108	0.194
		Left Edge 10mm	0.127	0.005	0.042	0.015	0.174
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.050	0.003	0.087	0.221	0.140
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B12	ANT0	Front Side 10mm	0.076	0.015	0.041	0.082	0.132
		Back Side 10mm	0.044	0.008	0.126	0.108	0.178
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.112	0.042	0.042	0.017	0.196
		Top Edge 10mm	0.034	0.003	0.087	0.221	0.124
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B12	ANT1	Front Side 10mm	0.045	0.015	0.041	0.082	0.101
		Back Side 10mm	0.209	0.008	0.126	0.108	0.343
		Left Edge 10mm	0.112	0.005	0.042	0.015	0.159
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.155	0.014	0.014	0.000	0.183

LTE B17	ANT0	Front Side 10mm	0.083	0.015	0.041	0.082	0.139
		Back Side 10mm	0.044	0.008	0.126	0.108	0.178
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.120	0.042	0.042	0.017	0.204
		Top Edge 10mm	0.023	0.003	0.087	0.221	0.113
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B17	ANT1	Front Side 10mm	0.038	0.015	0.041	0.082	0.094
		Back Side 10mm	0.189	0.008	0.126	0.108	0.323
		Left Edge 10mm	0.107	0.005	0.042	0.015	0.154
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.129	0.014	0.014	0.000	0.157
LTE B26	ANT0	Front Side 10mm	0.142	0.015	0.041	0.082	0.198
		Back Side 10mm	0.051	0.008	0.126	0.108	0.185
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.299	0.042	0.042	0.017	0.383
		Top Edge 10mm	0.035	0.003	0.087	0.221	0.125
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B26	ANT1	Front Side 10mm	0.035	0.015	0.041	0.082	0.091
		Back Side 10mm	0.144	0.008	0.126	0.108	0.278
		Left Edge 10mm	0.095	0.005	0.042	0.015	0.142
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.111	0.014	0.014	0.000	0.139
LTE B66	ANT4	Front Side 10mm	0.076	0.015	0.041	0.082	0.132
		Back Side 10mm	0.020	0.008	0.126	0.108	0.154
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.025	0.042	0.042	0.017	0.109
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.124	0.014	0.014	0.000	0.152
LTE B66	ANT5	Front Side 10mm	0.067	0.015	0.041	0.082	0.123
		Back Side 10mm	0.028	0.008	0.126	0.108	0.162
		Left Edge 10mm	0.078	0.005	0.042	0.015	0.125
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.026	0.003	0.087	0.221	0.116
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B38	ANT4	Front Side 10mm	0.070	0.015	0.041	0.082	0.126
		Back Side 10mm	0.034	0.008	0.126	0.108	0.168
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.067	0.042	0.042	0.017	0.151
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.161	0.014	0.014	0.000	0.189
LTE B38	ANT5	Front Side 10mm	0.140	0.015	0.041	0.082	0.196

		Back Side 10mm	0.039	0.008	0.126	0.108	0.173
		Left Edge 10mm	0.149	0.005	0.042	0.015	0.196
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.044	0.003	0.087	0.221	0.134
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
LTE B41	ANT4	Front Side 10mm	0.096	0.015	0.041	0.082	0.152
		Back Side 10mm	0.048	0.008	0.126	0.108	0.182
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.089	0.042	0.042	0.017	0.173
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.178	0.014	0.014	0.000	0.206
LTE B41	ANT5	Front Side 10mm	0.104	0.015	0.041	0.082	0.160
		Back Side 10mm	0.027	0.008	0.126	0.108	0.161
		Left Edge 10mm	0.146	0.005	0.042	0.015	0.193
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.024	0.003	0.087	0.221	0.114
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N2	ANT4	Front Side 10mm	0.157	0.015	0.041	0.082	0.213
		Back Side 10mm	0.072	0.008	0.126	0.108	0.206
		Left Edge 10mm	0.075	0.005	0.042	0.015	0.122
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.559	0.014	0.014	0.000	0.587
N2	ANT5	Front Side 10mm	0.346	0.015	0.041	0.082	0.402
		Back Side 10mm	0.078	0.008	0.126	0.108	0.212
		Left Edge 10mm	0.551	0.005	0.042	0.015	0.598
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.081	0.003	0.087	0.221	0.171
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N5	ANT0	Front Side 10mm	0.092	0.015	0.041	0.082	0.148
		Back Side 10mm	0.003	0.008	0.126	0.108	0.137
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.149	0.042	0.042	0.017	0.233
		Top Edge 10mm	0.002	0.003	0.087	0.221	0.092
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N5	ANT1	Front Side 10mm	0.035	0.015	0.041	0.082	0.091
		Back Side 10mm	0.028	0.008	0.126	0.108	0.162
		Left Edge 10mm	0.012	0.005	0.042	0.015	0.059
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.007	0.003	0.087	0.221	0.097
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N7	ANT4	Front Side 10mm	0.331	0.015	0.041	0.082	0.387
		Back Side 10mm	0.062	0.008	0.126	0.108	0.196

		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.297	0.042	0.042	0.017	0.381
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.517	0.014	0.014	0.000	0.545
N7	ANT5	Front Side 10mm	0.382	0.015	0.041	0.082	0.438
		Back Side 10mm	0.059	0.008	0.126	0.108	0.193
		Left Edge 10mm	0.416	0.005	0.042	0.015	0.463
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.059	0.003	0.087	0.221	0.149
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N12	ANT0	Front Side 10mm	0.080	0.015	0.041	0.082	0.136
		Back Side 10mm	0.034	0.008	0.126	0.108	0.168
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.050	0.042	0.042	0.017	0.134
		Top Edge 10mm	0.016	0.003	0.087	0.221	0.106
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N12	ANT1	Front Side 10mm	0.022	0.015	0.041	0.082	0.078
		Back Side 10mm	0.111	0.008	0.126	0.108	0.245
		Left Edge 10mm	0.106	0.005	0.042	0.015	0.153
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.120	0.014	0.014	0.000	0.148
N38	ANT4	Front Side 10mm	0.137	0.015	0.041	0.082	0.193
		Back Side 10mm	0.047	0.008	0.126	0.108	0.181
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.115	0.042	0.042	0.017	0.199
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.209	0.014	0.014	0.000	0.237
N38	ANT5	Front Side 10mm	0.203	0.015	0.041	0.082	0.259
		Back Side 10mm	0.051	0.008	0.126	0.108	0.185
		Left Edge 10mm	0.201	0.005	0.042	0.015	0.248
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.035	0.003	0.087	0.221	0.125
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N41	ANT4	Front Side 10mm	0.124	0.015	0.041	0.082	0.180
		Back Side 10mm	0.042	0.008	0.126	0.108	0.176
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.108	0.042	0.042	0.017	0.192
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.238	0.014	0.014	0.000	0.266
N41	ANT5	Front Side 10mm	0.272	0.015	0.041	0.082	0.328
		Back Side 10mm	0.060	0.008	0.126	0.108	0.194
		Left Edge 10mm	0.316	0.005	0.042	0.015	0.363

		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.033	0.003	0.087	0.221	0.123
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028
N66	ANT4	Front Side 10mm	0.102	0.015	0.041	0.082	0.158
		Back Side 10mm	0.069	0.008	0.126	0.108	0.203
		Left Edge 10mm	0.000	0.005	0.042	0.015	0.047
		Right Edge 10mm	0.038	0.042	0.042	0.017	0.122
		Top Edge 10mm	0.000	0.003	0.087	0.221	0.090
		Bottom Edge 10mm	0.154	0.014	0.014	0.000	0.182
N66	ANT5	Front Side 10mm	0.096	0.015	0.041	0.082	0.152
		Back Side 10mm	0.058	0.008	0.126	0.108	0.192
		Left Edge 10mm	0.041	0.005	0.042	0.015	0.088
		Right Edge 10mm	0.000	0.042	0.042	0.017	0.084
		Top Edge 10mm	0.031	0.003	0.087	0.221	0.121
		Bottom Edge 10mm	0.000	0.014	0.014	0.000	0.028

Note:

1: The highest Summed 1g SAR is 0.598 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.12 Head Simultaneous Transmission SAR Evaluation for EN DC Antenna with 2.4G WLAN or 5G WLAN

Band	LTE Band	LTE Antenna	NR Band	NR Antenna	Position	Stand alone SAR					SUM SAR	
						1			2	3		
						LTE NSA	NR NSA	ENDC	2.4GWIFI (MAX)	Max.5GWIFI (MAX)	Sum SAR（1+2）	Sum SAR（1+3）
						STATE6	STATE 6		L2	L2		
ENDC_7A_n5A	LTE B7	Ant.6	N5	ANT0	Left Cheek	0.033	0.152	0.185	0.311	0.618	0.496	0.803
					Left Tilt	0.008	0.062	0.070	0.281	0.514	0.351	0.584
					Right Cheek	0.019	0.375	0.394	0.432	0.273	0.826	0.667
					Right Tilt	0.004	0.114	0.118	0.270	0.295	0.388	0.413
	LTE B7	Ant.6	N5	ANT1	Left Cheek	0.033	0.069	0.102	0.311	0.618	0.413	0.720
					Left Tilt	0.008	0.026	0.034	0.281	0.514	0.315	0.548
					Right Cheek	0.019	0.056	0.075	0.432	0.273	0.507	0.348
					Right Tilt	0.004	0.016	0.020	0.270	0.295	0.290	0.315
	LTE B7	Ant.0	N5	ANT1	Left Cheek	0.304	0.069	0.373	0.311	0.618	0.684	0.991
					Left Tilt	0.038	0.026	0.064	0.281	0.514	0.345	0.578
					Right Cheek	0.400	0.056	0.456	0.432	0.273	0.888	0.729
					Right Tilt	0.063	0.016	0.079	0.270	0.295	0.349	0.374
ENDC_2A_n5A	LTE B2	Ant.4	N7	Ant.6	Left Cheek	0.153	0.029	0.182	0.311	0.618	0.493	0.800
					Left Tilt	0.210	0.011	0.221	0.281	0.514	0.502	0.735

					Right Cheek	0.337	0.025	0.362	0.432	0.273	0.794	0.635
					Right Tilt	0.227	0.012	0.239	0.270	0.295	0.509	0.534
	LTE B2	Ant.4	N7	Ant.0	Left Cheek	0.153	0.319	0.472	0.311	0.618	0.783	1.090
					Left Tilt	0.210	0.035	0.245	0.281	0.514	0.526	0.759
					Right Cheek	0.337	0.462	0.799	0.432	0.273	1.231	1.072
					Right Tilt	0.227	0.061	0.288	0.270	0.295	0.558	0.583
	LTE B2	Ant.5	N7	Ant.6	Left Cheek	0.170	0.029	0.199	0.311	0.618	0.510	0.817
					Left Tilt	0.056	0.011	0.067	0.281	0.514	0.348	0.581
					Right Cheek	0.340	0.025	0.365	0.432	0.273	0.797	0.638
					Right Tilt	0.045	0.012	0.057	0.270	0.295	0.327	0.352
	LTE B2	Ant.5	N7	Ant.0	Left Cheek	0.170	0.319	0.489	0.311	0.618	0.800	1.107
					Left Tilt	0.056	0.035	0.090	0.281	0.514	0.371	0.604
					Right Cheek	0.340	0.462	0.803	0.432	0.273	1.235	1.076
					Right Tilt	0.045	0.061	0.105	0.270	0.295	0.375	0.400
ENDC_4A_n7A	LTE B4	Ant.6	N7	Ant.4	Left Cheek	0.020	0.191	0.211	0.311	0.618	0.522	0.829
					Left Tilt	0.005	0.259	0.264	0.281	0.514	0.545	0.778
					Right Cheek	0.009	0.475	0.484	0.432	0.273	0.916	0.757
					Right Tilt	0.003	0.291	0.294	0.270	0.295	0.564	0.589
	LTE B4	Ant.6	N7	Ant.5	Left Cheek	0.020	0.334	0.354	0.311	0.618	0.665	0.972
					Left Tilt	0.005	0.062	0.067	0.281	0.514	0.348	0.581
					Right Cheek	0.009	0.493	0.502	0.432	0.273	0.934	0.775
					Right Tilt	0.003	0.056	0.059	0.270	0.295	0.329	0.354
	LTE B4	Ant.0	N7	Ant.4	Left Cheek	0.012	0.191	0.203	0.311	0.618	0.514	0.821
					Left Tilt	0.007	0.259	0.266	0.281	0.514	0.547	0.780
					Right Cheek	0.024	0.475	0.499	0.432	0.273	0.931	0.772
					Right Tilt	0.009	0.291	0.300	0.270	0.295	0.570	0.595
	LTE B4	Ant.0	N7	Ant.5	Left Cheek	0.012	0.334	0.346	0.311	0.618	0.657	0.964
					Left Tilt	0.007	0.062	0.069	0.281	0.514	0.350	0.583
					Right Cheek	0.024	0.493	0.517	0.432	0.273	0.949	0.790
					Right Tilt	0.009	0.056	0.065	0.270	0.295	0.335	0.360
ENDC_5A_n7A	LTE B5	Ant.0	N7	Ant.6	Left Cheek	0.134	0.029	0.163	0.311	0.618	0.474	0.781
					Left Tilt	0.043	0.011	0.054	0.281	0.514	0.335	0.568
					Right Cheek	0.290	0.025	0.315	0.432	0.273	0.747	0.588
					Right Tilt	0.075	0.012	0.087	0.270	0.295	0.357	0.382
	LTE B5	Ant.1	N7	Ant.0	Left Cheek	0.098	0.319	0.416	0.311	0.618	0.727	1.034
					Left Tilt	0.044	0.035	0.079	0.281	0.514	0.360	0.593
					Right Cheek	0.055	0.462	0.517	0.432	0.273	0.949	0.790
					Right Tilt	0.029	0.061	0.090	0.270	0.295	0.360	0.385
ENDC_66A_n7A	LTE B66	Ant.6	N7	Ant.4	Left Cheek	0.025	0.191	0.216	0.311	0.618	0.527	0.834
					Left Tilt	0.009	0.259	0.268	0.281	0.514	0.549	0.782
					Right Cheek	0.014	0.475	0.489	0.432	0.273	0.921	0.762
					Right Tilt	0.006	0.291	0.297	0.270	0.295	0.567	0.592
	LTE B66	Ant.6	N7	Ant.5	Left Cheek	0.025	0.334	0.359	0.311	0.618	0.670	0.977

					Left Tilt	0.009	0.062	0.071	0.281	0.514	0.352	0.585
					Right Cheek	0.014	0.493	0.507	0.432	0.273	0.939	0.780
					Right Tilt	0.006	0.056	0.062	0.270	0.295	0.332	0.357
	LTE B66	Ant.0	N7	Ant.4	Left Cheek	0.013	0.191	0.204	0.311	0.618	0.515	0.822
					Left Tilt	0.006	0.259	0.265	0.281	0.514	0.546	0.779
					Right Cheek	0.025	0.475	0.500	0.432	0.273	0.932	0.773
					Right Tilt	0.013	0.291	0.304	0.270	0.295	0.574	0.599
	LTE B66	Ant.0	N7	Ant.5	Left Cheek	0.013	0.334	0.347	0.311	0.618	0.658	0.965
					Left Tilt	0.006	0.062	0.068	0.281	0.514	0.349	0.582
					Right Cheek	0.025	0.493	0.518	0.432	0.273	0.950	0.791
					Right Tilt	0.013	0.056	0.069	0.270	0.295	0.339	0.364
ENDC_4A_n38A	LTE B4	Ant.4	N38	Ant.6	Left Cheek	0.187	0.066	0.253	0.311	0.618	0.564	0.871
					Left Tilt	0.213	0.031	0.244	0.281	0.514	0.525	0.758
					Right Cheek	0.346	0.030	0.376	0.432	0.273	0.808	0.649
					Right Tilt	0.264	0.013	0.277	0.270	0.295	0.547	0.572
	LTE B4	Ant.4	N38	Ant.0	Left Cheek	0.187	0.273	0.460	0.311	0.618	0.771	1.078
					Left Tilt	0.213	0.040	0.253	0.281	0.514	0.534	0.767
					Right Cheek	0.346	0.375	0.721	0.432	0.273	1.153	0.994
					Right Tilt	0.264	0.057	0.321	0.270	0.295	0.591	0.616
	LTE B4	Ant.5	N38	Ant.6	Left Cheek	0.178	0.066	0.244	0.311	0.618	0.555	0.862
					Left Tilt	0.025	0.031	0.056	0.281	0.514	0.337	0.570
					Right Cheek	0.359	0.030	0.389	0.432	0.273	0.821	0.662
					Right Tilt	0.062	0.013	0.075	0.270	0.295	0.345	0.370
	LTE B4	Ant.5	N38	Ant.0	Left Cheek	0.178	0.273	0.451	0.311	0.618	0.762	1.069
					Left Tilt	0.025	0.040	0.065	0.281	0.514	0.346	0.579
					Right Cheek	0.359	0.375	0.734	0.432	0.273	1.166	1.007
					Right Tilt	0.062	0.057	0.119	0.270	0.295	0.389	0.414
ENDC_5A_n38A	LTE B5	ANT1	N38	ANT6	Left Cheek	0.098	0.066	0.163	0.311	0.618	0.474	0.781
					Left Tilt	0.044	0.031	0.075	0.281	0.514	0.356	0.589
					Right Cheek	0.055	0.030	0.084	0.432	0.273	0.516	0.357
					Right Tilt	0.029	0.013	0.041	0.270	0.295	0.311	0.336
	LTE B5	ANT1	N38	ANT0	Left Cheek	0.098	0.273	0.371	0.311	0.618	0.682	0.989
					Left Tilt	0.044	0.040	0.084	0.281	0.514	0.365	0.598
					Right Cheek	0.055	0.375	0.430	0.432	0.273	0.862	0.703
					Right Tilt	0.029	0.057	0.086	0.270	0.295	0.356	0.381
	LTE B5	ANT0	N38	ANT6	Left Cheek	0.134	0.066	0.200	0.311	0.618	0.511	0.818
					Left Tilt	0.043	0.031	0.073	0.281	0.514	0.354	0.587
					Right Cheek	0.290	0.030	0.319	0.432	0.273	0.751	0.592
					Right Tilt	0.075	0.013	0.087	0.270	0.295	0.357	0.382
ENDC_66A_n38A	LTE B66	Ant.4	N38	Ant.6	Left Cheek	0.136	0.066	0.201	0.311	0.618	0.512	0.819
					Left Tilt	0.181	0.031	0.211	0.281	0.514	0.492	0.725
					Right Cheek	0.363	0.030	0.392	0.432	0.273	0.824	0.665
					Right Tilt	0.207	0.013	0.220	0.270	0.295	0.490	0.515

	LTE B66	Ant.4	N38	Ant.0	Left Cheek	0.136	0.273	0.409	0.311	0.618	0.720	1.027
					Left Tilt	0.181	0.040	0.220	0.281	0.514	0.501	0.734
					Right Cheek	0.363	0.375	0.738	0.432	0.273	1.170	1.011
					Right Tilt	0.207	0.057	0.264	0.270	0.295	0.534	0.559
	LTE B66	Ant.5	N38	Ant.6	Left Cheek	0.147	0.066	0.213	0.311	0.618	0.524	0.831
					Left Tilt	0.038	0.031	0.069	0.281	0.514	0.350	0.583
					Right Cheek	0.322	0.030	0.352	0.432	0.273	0.784	0.625
					Right Tilt	0.063	0.013	0.076	0.270	0.295	0.346	0.371
	LTE B66	Ant.5	N38	Ant.0	Left Cheek	0.147	0.273	0.420	0.311	0.618	0.731	1.038
					Left Tilt	0.038	0.040	0.078	0.281	0.514	0.359	0.592
					Right Cheek	0.322	0.375	0.697	0.432	0.273	1.129	0.970
					Right Tilt	0.063	0.057	0.120	0.270	0.295	0.390	0.415
ENDC_4A_n41A	LTE B4	Ant.4	N41	Ant.0	Left Cheek	0.187	0.296	0.483	0.311	0.618	0.794	1.101
					Left Tilt	0.213	0.032	0.245	0.281	0.514	0.526	0.759
					Right Cheek	0.346	0.378	0.724	0.432	0.273	1.156	0.997
					Right Tilt	0.264	0.054	0.318	0.270	0.295	0.588	0.613
	LTE B4	Ant.5	N41	Ant.6	Left Cheek	0.178	0.109	0.287	0.311	0.618	0.598	0.905
					Left Tilt	0.025	0.037	0.062	0.281	0.514	0.343	0.576
					Right Cheek	0.359	0.056	0.415	0.432	0.273	0.847	0.688
					Right Tilt	0.062	0.027	0.089	0.270	0.295	0.359	0.384
	LTE B4	Ant.5	N41	Ant.0	Left Cheek	0.178	0.296	0.474	0.311	0.618	0.785	1.092
					Left Tilt	0.025	0.032	0.057	0.281	0.514	0.338	0.571
					Right Cheek	0.359	0.378	0.737	0.432	0.273	1.169	1.010
					Right Tilt	0.062	0.054	0.116	0.270	0.295	0.386	0.411
ENDC_66A_n41A	LTE B66	Ant.4	N41	Ant.6	Left Cheek	0.136	0.109	0.244	0.311	0.618	0.555	0.862
					Left Tilt	0.181	0.037	0.218	0.281	0.514	0.499	0.732
					Right Cheek	0.363	0.056	0.419	0.432	0.273	0.851	0.692
					Right Tilt	0.207	0.027	0.234	0.270	0.295	0.504	0.529
	LTE B66	Ant.4	N41	Ant.0	Left Cheek	0.136	0.296	0.431	0.311	0.618	0.742	1.049
					Left Tilt	0.181	0.032	0.213	0.281	0.514	0.494	0.727
					Right Cheek	0.363	0.378	0.741	0.432	0.273	1.173	1.014
					Right Tilt	0.207	0.054	0.261	0.270	0.295	0.531	0.556
	LTE B66	Ant.5	N41	Ant.6	Left Cheek	0.147	0.109	0.256	0.311	0.618	0.567	0.874
					Left Tilt	0.038	0.037	0.075	0.281	0.514	0.356	0.589
					Right Cheek	0.322	0.056	0.378	0.432	0.273	0.810	0.651
					Right Tilt	0.063	0.027	0.090	0.270	0.295	0.360	0.385
	LTE B66	Ant.5	N41	Ant.0	Left Cheek	0.147	0.296	0.443	0.311	0.618	0.754	1.061
					Left Tilt	0.038	0.032	0.070	0.281	0.514	0.351	0.584
					Right Cheek	0.322	0.378	0.700	0.432	0.273	1.132	0.973
					Right Tilt	0.063	0.054	0.117	0.270	0.295	0.387	0.412

Note:

1: The highest Summed 1g SAR is 1.235 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.13 Head Simultaneous Transmission SAR Evaluation for EN DC Antenna with 2.4G WLAN or 5G WLAN and Bluetooth

Band	LTE Band	LTE Antenna	NR Band	NR Antenna	Position	Stand alone SAR							SUM SAR		
						1			2	3	4	5			
						LTE NSA	NR NSA	ENDC	2.4GWIFI (MAX)	Max.5GWIFI(MAX)	Max.5GWIFI (MAX)	BT (MAX)	Sum SAR（1+2+3）	Sum SAR（1+2+5）	Sum SAR（1+4+5）
						STAT E6	STAT E6		L5&6	L5	L6	L1			
ENDC_7A_n5A	LTE B7	Ant.6	N5	ANT0	Left Cheek	0.033	0.152	0.185	0.125	0.390	0.295	0.198	0.700	0.508	0.678
					Left Tilt	0.008	0.062	0.070	0.121	0.311	0.287	0.106	0.502	0.297	0.463
					Right Cheek	0.019	0.375	0.394	0.174	0.161	0.161	0.330	0.729	0.898	0.885
					Right Tilt	0.004	0.114	0.118	0.122	0.172	0.152	0.108	0.412	0.348	0.378
	LTE B7	Ant.6	N5	ANT1	Left Cheek	0.033	0.069	0.102	0.125	0.390	0.295	0.198	0.617	0.425	0.595
					Left Tilt	0.008	0.026	0.034	0.121	0.311	0.287	0.106	0.466	0.261	0.427
					Right Cheek	0.019	0.056	0.075	0.174	0.161	0.161	0.330	0.410	0.579	0.566
					Right Tilt	0.004	0.016	0.020	0.122	0.172	0.152	0.108	0.314	0.250	0.280
	LTE B7	Ant.0	N5	ANT1	Left Cheek	0.304	0.069	0.373	0.125	0.390	0.295	0.198	0.888	0.696	0.866
					Left Tilt	0.038	0.026	0.064	0.121	0.311	0.287	0.106	0.496	0.291	0.457
					Right Cheek	0.400	0.056	0.456	0.174	0.161	0.161	0.330	0.791	0.960	0.947
					Right Tilt	0.063	0.016	0.079	0.122	0.172	0.152	0.108	0.373	0.309	0.339
ENDC_2A_n5A	LTE B2	Ant.4	N7	Ant.6	Left Cheek	0.153	0.029	0.182	0.125	0.390	0.295	0.198	0.697	0.505	0.675
					Left Tilt	0.210	0.011	0.221	0.121	0.311	0.287	0.106	0.653	0.448	0.614
					Right Cheek	0.337	0.025	0.362	0.174	0.161	0.161	0.330	0.697	0.866	0.853
					Right Tilt	0.227	0.012	0.239	0.122	0.172	0.152	0.108	0.533	0.469	0.499
	LTE B2	Ant.4	N7	Ant.0	Left Cheek	0.153	0.319	0.472	0.125	0.390	0.295	0.198	0.987	0.795	0.965
					Left Tilt	0.210	0.035	0.245	0.121	0.311	0.287	0.106	0.677	0.472	0.638
					Right Cheek	0.337	0.462	0.799	0.174	0.161	0.161	0.330	1.134	1.303	1.290
					Right Tilt	0.227	0.061	0.288	0.122	0.172	0.152	0.108	0.582	0.518	0.548
	LTE B2	Ant.5	N7	Ant.6	Left Cheek	0.170	0.029	0.199	0.125	0.390	0.295	0.198	0.714	0.522	0.692
					Left Tilt	0.056	0.011	0.067	0.121	0.311	0.287	0.106	0.499	0.294	0.460
					Right Cheek	0.340	0.025	0.365	0.174	0.161	0.161	0.330	0.700	0.869	0.856
					Right Tilt	0.045	0.012	0.057	0.122	0.172	0.152	0.108	0.351	0.287	0.317
	LTE B2	Ant.5	N7	Ant.0	Left Cheek	0.170	0.319	0.489	0.125	0.390	0.295	0.198	1.004	0.812	0.982
					Left Tilt	0.056	0.035	0.090	0.121	0.311	0.287	0.106	0.522	0.317	0.483
					Right Cheek	0.340	0.462	0.803	0.174	0.161	0.161	0.330	1.138	1.307	1.294
					Right Tilt	0.045	0.061	0.105	0.122	0.172	0.152	0.108	0.399	0.335	0.365
ENDC_4A_n7A	LTE B4	Ant.6	N7	Ant.4	Left Cheek	0.020	0.191	0.211	0.125	0.390	0.295	0.198	0.726	0.534	0.704
					Left Tilt	0.005	0.259	0.264	0.121	0.311	0.287	0.106	0.696	0.491	0.657
					Right Cheek	0.009	0.475	0.484	0.174	0.161	0.161	0.330	0.819	0.988	0.975
					Right Tilt	0.003	0.291	0.294	0.122	0.172	0.152	0.108	0.588	0.524	0.554
		Ant.6	N7	Ant.5	Left Cheek	0.020	0.334	0.354	0.125	0.390	0.295	0.198	0.869	0.677	0.847

	LTE B4				Left Tilt	0.005	0.062	0.067	0.121	0.311	0.287	0.106	0.499	0.294	0.460
					Right Cheek	0.009	0.493	0.502	0.174	0.161	0.161	0.330	0.837	1.006	0.993
					Right Tilt	0.003	0.056	0.059	0.122	0.172	0.152	0.108	0.353	0.289	0.319
	LTE B4	Ant.0	N7	Ant.4	Left Cheek	0.012	0.191	0.203	0.125	0.390	0.295	0.198	0.718	0.526	0.696
					Left Tilt	0.007	0.259	0.266	0.121	0.311	0.287	0.106	0.698	0.493	0.659
					Right Cheek	0.024	0.475	0.499	0.174	0.161	0.161	0.330	0.834	1.003	0.990
					Right Tilt	0.009	0.291	0.300	0.122	0.172	0.152	0.108	0.594	0.530	0.560
	LTE B4	Ant.0	N7	Ant.5	Left Cheek	0.012	0.334	0.346	0.125	0.390	0.295	0.198	0.861	0.669	0.839
					Left Tilt	0.007	0.062	0.069	0.121	0.311	0.287	0.106	0.501	0.296	0.462
					Right Cheek	0.024	0.493	0.517	0.174	0.161	0.161	0.330	0.852	1.021	1.008
					Right Tilt	0.009	0.056	0.065	0.122	0.172	0.152	0.108	0.359	0.295	0.325
ENDC_5A_n 7A	LTE B5	Ant.0	N7	Ant.6	Left Cheek	0.134	0.029	0.163	0.125	0.390	0.295	0.198	0.678	0.486	0.656
					Left Tilt	0.043	0.011	0.054	0.121	0.311	0.287	0.106	0.486	0.281	0.447
					Right Cheek	0.290	0.025	0.315	0.174	0.161	0.161	0.330	0.650	0.819	0.806
					Right Tilt	0.075	0.012	0.087	0.122	0.172	0.152	0.108	0.381	0.317	0.347
	LTE B5	Ant.1	N7	Ant.0	Left Cheek	0.098	0.319	0.416	0.125	0.390	0.295	0.198	0.931	0.739	0.909
					Left Tilt	0.044	0.035	0.079	0.121	0.311	0.287	0.106	0.511	0.306	0.472
					Right Cheek	0.055	0.462	0.517	0.174	0.161	0.161	0.330	0.852	1.021	1.008
					Right Tilt	0.029	0.061	0.090	0.122	0.172	0.152	0.108	0.384	0.320	0.350
ENDC_66A_ n7A	LTE B66	Ant.6	N7	Ant.4	Left Cheek	0.025	0.191	0.216	0.125	0.390	0.295	0.198	0.731	0.539	0.709
					Left Tilt	0.009	0.259	0.268	0.121	0.311	0.287	0.106	0.700	0.495	0.661
					Right Cheek	0.014	0.475	0.489	0.174	0.161	0.161	0.330	0.824	0.993	0.980
					Right Tilt	0.006	0.291	0.297	0.122	0.172	0.152	0.108	0.591	0.527	0.557
	LTE B66	Ant.6	N7	Ant.5	Left Cheek	0.025	0.334	0.359	0.125	0.390	0.295	0.198	0.874	0.682	0.852
					Left Tilt	0.009	0.062	0.071	0.121	0.311	0.287	0.106	0.503	0.298	0.464
					Right Cheek	0.014	0.493	0.507	0.174	0.161	0.161	0.330	0.842	1.011	0.998
					Right Tilt	0.006	0.056	0.062	0.122	0.172	0.152	0.108	0.356	0.292	0.322
	LTE B66	Ant.0	N7	Ant.4	Left Cheek	0.013	0.191	0.204	0.125	0.390	0.295	0.198	0.719	0.527	0.697
					Left Tilt	0.006	0.259	0.265	0.121	0.311	0.287	0.106	0.697	0.492	0.658
					Right Cheek	0.025	0.475	0.500	0.174	0.161	0.161	0.330	0.835	1.004	0.991
					Right Tilt	0.013	0.291	0.304	0.122	0.172	0.152	0.108	0.598	0.534	0.564
	LTE B66	Ant.0	N7	Ant.5	Left Cheek	0.013	0.334	0.347	0.125	0.390	0.295	0.198	0.862	0.670	0.840
					Left Tilt	0.006	0.062	0.068	0.121	0.311	0.287	0.106	0.500	0.295	0.461
					Right Cheek	0.025	0.493	0.518	0.174	0.161	0.161	0.330	0.853	1.022	1.009
					Right Tilt	0.013	0.056	0.069	0.122	0.172	0.152	0.108	0.363	0.299	0.329
ENDC_4A_n 38A	LTE B4	Ant.4	N38	Ant.6	Left Cheek	0.187	0.066	0.253	0.125	0.390	0.295	0.198	0.768	0.576	0.746
					Left Tilt	0.213	0.031	0.244	0.121	0.311	0.287	0.106	0.676	0.471	0.637
					Right Cheek	0.346	0.030	0.376	0.174	0.161	0.161	0.330	0.711	0.880	0.867
					Right Tilt	0.264	0.013	0.277	0.122	0.172	0.152	0.108	0.571	0.507	0.537
	LTE B4	Ant.4	N38	Ant.0	Left Cheek	0.187	0.273	0.460	0.125	0.390	0.295	0.198	0.975	0.783	0.953
					Left Tilt	0.213	0.040	0.253	0.121	0.311	0.287	0.106	0.685	0.480	0.646
					Right Cheek	0.346	0.375	0.721	0.174	0.161	0.161	0.330	1.056	1.225	1.212
					Right Tilt	0.264	0.057	0.321	0.122	0.172	0.152	0.108	0.615	0.551	0.581

	LTE B4	Ant.5	N38	Ant.6	Left Cheek	0.178	0.066	0.244	0.125	0.390	0.295	0.198	0.759	0.567	0.737
					Left Tilt	0.025	0.031	0.056	0.121	0.311	0.287	0.106	0.488	0.283	0.449
					Right Cheek	0.359	0.030	0.389	0.174	0.161	0.161	0.330	0.724	0.893	0.880
					Right Tilt	0.062	0.013	0.075	0.122	0.172	0.152	0.108	0.369	0.305	0.335
	LTE B4	Ant.5	N38	Ant.0	Left Cheek	0.178	0.273	0.451	0.125	0.390	0.295	0.198	0.966	0.774	0.944
					Left Tilt	0.025	0.040	0.065	0.121	0.311	0.287	0.106	0.497	0.292	0.458
					Right Cheek	0.359	0.375	0.734	0.174	0.161	0.161	0.330	1.069	1.238	1.225
					Right Tilt	0.062	0.057	0.119	0.122	0.172	0.152	0.108	0.413	0.349	0.379
ENDC_5A_n38A	LTE B5	ANT1	N38	ANT6	Left Cheek	0.098	0.066	0.163	0.125	0.390	0.295	0.198	0.678	0.486	0.656
					Left Tilt	0.044	0.031	0.075	0.121	0.311	0.287	0.106	0.507	0.302	0.468
					Right Cheek	0.055	0.030	0.084	0.174	0.161	0.161	0.330	0.419	0.588	0.575
					Right Tilt	0.029	0.013	0.041	0.122	0.172	0.152	0.108	0.335	0.271	0.301
	LTE B5	ANT1	N38	ANT0	Left Cheek	0.098	0.273	0.371	0.125	0.390	0.295	0.198	0.886	0.694	0.864
					Left Tilt	0.044	0.040	0.084	0.121	0.311	0.287	0.106	0.516	0.311	0.477
					Right Cheek	0.055	0.375	0.430	0.174	0.161	0.161	0.330	0.765	0.934	0.921
					Right Tilt	0.029	0.057	0.086	0.122	0.172	0.152	0.108	0.380	0.316	0.346
	LTE B5	ANT0	N38	ANT6	Left Cheek	0.134	0.066	0.200	0.125	0.390	0.295	0.198	0.715	0.523	0.693
					Left Tilt	0.043	0.031	0.073	0.121	0.311	0.287	0.106	0.505	0.300	0.466
					Right Cheek	0.290	0.030	0.319	0.174	0.161	0.161	0.330	0.654	0.823	0.810
					Right Tilt	0.075	0.013	0.087	0.122	0.172	0.152	0.108	0.381	0.317	0.347
ENDC_66A_n38A	LTE B66	Ant.4	N38	Ant.6	Left Cheek	0.136	0.066	0.201	0.125	0.390	0.295	0.198	0.716	0.524	0.694
					Left Tilt	0.181	0.031	0.211	0.121	0.311	0.287	0.106	0.643	0.438	0.604
					Right Cheek	0.363	0.030	0.392	0.174	0.161	0.161	0.330	0.727	0.896	0.883
					Right Tilt	0.207	0.013	0.220	0.122	0.172	0.152	0.108	0.514	0.450	0.480
	LTE B66	Ant.4	N38	Ant.0	Left Cheek	0.136	0.273	0.409	0.125	0.390	0.295	0.198	0.924	0.732	0.902
					Left Tilt	0.181	0.040	0.220	0.121	0.311	0.287	0.106	0.652	0.447	0.613
					Right Cheek	0.363	0.375	0.738	0.174	0.161	0.161	0.330	1.073	1.242	1.229
					Right Tilt	0.207	0.057	0.264	0.122	0.172	0.152	0.108	0.558	0.494	0.524
	LTE B66	Ant.5	N38	Ant.6	Left Cheek	0.147	0.066	0.213	0.125	0.390	0.295	0.198	0.728	0.536	0.706
					Left Tilt	0.038	0.031	0.069	0.121	0.311	0.287	0.106	0.501	0.296	0.462
					Right Cheek	0.322	0.030	0.352	0.174	0.161	0.161	0.330	0.687	0.856	0.843
					Right Tilt	0.063	0.013	0.076	0.122	0.172	0.152	0.108	0.370	0.306	0.336
	LTE B66	Ant.5	N38	Ant.0	Left Cheek	0.147	0.273	0.420	0.125	0.390	0.295	0.198	0.935	0.743	0.913
					Left Tilt	0.038	0.040	0.078	0.121	0.311	0.287	0.106	0.510	0.305	0.471
					Right Cheek	0.322	0.375	0.697	0.174	0.161	0.161	0.330	1.032	1.201	1.188
					Right Tilt	0.063	0.057	0.120	0.122	0.172	0.152	0.108	0.414	0.350	0.380
ENDC_4A_n41A	LTE B4	Ant.4	N41	Ant.0	Left Cheek	0.187	0.296	0.483	0.125	0.390	0.295	0.198	0.998	0.806	0.976
					Left Tilt	0.213	0.032	0.245	0.121	0.311	0.287	0.106	0.677	0.472	0.638
					Right Cheek	0.346	0.378	0.724	0.174	0.161	0.161	0.330	1.059	1.228	1.215
					Right Tilt	0.264	0.054	0.318	0.122	0.172	0.152	0.108	0.612	0.548	0.578
	LTE B4	Ant.5	N41	Ant.6	Left Cheek	0.178	0.109	0.287	0.125	0.390	0.295	0.198	0.802	0.610	0.780
					Left Tilt	0.025	0.037	0.062	0.121	0.311	0.287	0.106	0.494	0.289	0.455
					Right Cheek	0.359	0.056	0.415	0.174	0.161	0.161	0.330	0.750	0.919	0.906

					Right Tilt	0.062	0.027	0.089	0.122	0.172	0.152	0.108	0.383	0.319	0.349
	LTE B4	Ant.5	N41	Ant.0	Left Cheek	0.178	0.296	0.474	0.125	0.390	0.295	0.198	0.989	0.797	0.967
					Left Tilt	0.025	0.032	0.057	0.121	0.311	0.287	0.106	0.489	0.284	0.450
					Right Cheek	0.359	0.378	0.737	0.174	0.161	0.161	0.330	1.072	1.241	1.228
					Right Tilt	0.062	0.054	0.116	0.122	0.172	0.152	0.108	0.410	0.346	0.376
ENDC_66A_n41A	LTE B66	Ant.4	N41	Ant.6	Left Cheek	0.136	0.109	0.244	0.125	0.390	0.295	0.198	0.759	0.567	0.737
					Left Tilt	0.181	0.037	0.218	0.121	0.311	0.287	0.106	0.650	0.445	0.611
					Right Cheek	0.363	0.056	0.419	0.174	0.161	0.161	0.330	0.754	0.923	0.910
					Right Tilt	0.207	0.027	0.234	0.122	0.172	0.152	0.108	0.528	0.464	0.494
	LTE B66	Ant.4	N41	Ant.0	Left Cheek	0.136	0.296	0.431	0.125	0.390	0.295	0.198	0.946	0.754	0.924
					Left Tilt	0.181	0.032	0.213	0.121	0.311	0.287	0.106	0.645	0.440	0.606
					Right Cheek	0.363	0.378	0.741	0.174	0.161	0.161	0.330	1.076	1.245	1.232
					Right Tilt	0.207	0.054	0.261	0.122	0.172	0.152	0.108	0.555	0.491	0.521
	LTE B66	Ant.5	N41	Ant.6	Left Cheek	0.147	0.109	0.256	0.125	0.390	0.295	0.198	0.771	0.579	0.749
					Left Tilt	0.038	0.037	0.075	0.121	0.311	0.287	0.106	0.507	0.302	0.468
					Right Cheek	0.322	0.056	0.378	0.174	0.161	0.161	0.330	0.713	0.882	0.869
					Right Tilt	0.063	0.027	0.090	0.122	0.172	0.152	0.108	0.384	0.320	0.350
	LTE B66	Ant.5	N41	Ant.0	Left Cheek	0.147	0.296	0.443	0.125	0.390	0.295	0.198	0.958	0.766	0.936
					Left Tilt	0.038	0.032	0.070	0.121	0.311	0.287	0.106	0.502	0.297	0.463
					Right Cheek	0.322	0.378	0.700	0.174	0.161	0.161	0.330	1.035	1.204	1.191
					Right Tilt	0.063	0.054	0.117	0.122	0.172	0.152	0.108	0.411	0.347	0.377

Note:

1: The highest Summed 1g SAR is 1.307 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.14 Head Simultaneous Transmission SAR Evaluation for EN DC Antenna with 2.4G WLAN and 5G WLAN & Bluetooth

Band	LTE Band	LTE Antenna	NR Band	NR Antenna	Position	Stand alone SAR						SUM SAR
						1	2	3	2	3	4	
						LTE NSA	NR NSA	ENDC	2.4GWIFI(MAX)	Max.5GWIFI(MAX)	Bluetooth(MAX)	Sum SAR（1+2+3+4）
						STATE 6	STATE6		L7	L7	L7	
ENDC_7A_n5A	LTE B7	Ant.6	N5	ANT0	Left Cheek	0.033	0.152	0.185	0.079	0.194	0.138	0.596
					Left Tilt	0.008	0.062	0.070	0.081	0.152	0.067	0.370
					Right Cheek	0.019	0.375	0.394	0.110	0.080	0.199	0.783
					Right Tilt	0.004	0.114	0.118	0.081	0.091	0.068	0.358
	LTE B7	Ant.6	N5	ANT1	Left Cheek	0.033	0.069	0.102	0.079	0.194	0.138	0.513
					Left Tilt	0.008	0.026	0.034	0.081	0.152	0.067	0.334
					Right Cheek	0.019	0.056	0.075	0.110	0.080	0.199	0.464
					Right Tilt	0.004	0.016	0.020	0.081	0.091	0.068	0.260
		Ant.0	N5	ANT1	Left Cheek	0.304	0.069	0.373	0.079	0.194	0.138	0.784

	LTE B7				Left Tilt	0.038	0.026	0.064	0.081	0.152	0.067	0.364
					Right Cheek	0.400	0.056	0.456	0.110	0.080	0.199	0.845
					Right Tilt	0.063	0.016	0.079	0.081	0.091	0.068	0.319
ENDC_ 2A_n5A	LTE B2	Ant.4	N7	Ant.6	Left Cheek	0.153	0.029	0.182	0.079	0.194	0.138	0.593
					Left Tilt	0.210	0.011	0.221	0.081	0.152	0.067	0.521
					Right Cheek	0.337	0.025	0.362	0.110	0.080	0.199	0.751
					Right Tilt	0.227	0.012	0.239	0.081	0.091	0.068	0.479
	LTE B2	Ant.4	N7	Ant.0	Left Cheek	0.153	0.319	0.472	0.079	0.194	0.138	0.883
					Left Tilt	0.210	0.035	0.245	0.081	0.152	0.067	0.545
					Right Cheek	0.337	0.462	0.799	0.110	0.080	0.199	1.188
					Right Tilt	0.227	0.061	0.288	0.081	0.091	0.068	0.528
	LTE B2	Ant.5	N7	Ant.6	Left Cheek	0.170	0.029	0.199	0.079	0.194	0.138	0.610
					Left Tilt	0.056	0.011	0.067	0.081	0.152	0.067	0.367
					Right Cheek	0.340	0.025	0.365	0.110	0.080	0.199	0.754
					Right Tilt	0.045	0.012	0.057	0.081	0.091	0.068	0.297
	LTE B2	Ant.5	N7	Ant.0	Left Cheek	0.170	0.319	0.489	0.079	0.194	0.138	0.900
					Left Tilt	0.056	0.035	0.090	0.081	0.152	0.067	0.390
					Right Cheek	0.340	0.462	0.803	0.110	0.080	0.199	1.192
					Right Tilt	0.045	0.061	0.105	0.081	0.091	0.068	0.345
ENDC_ 4A_n7A	LTE B4	Ant.6	N7	Ant.4	Left Cheek	0.020	0.191	0.211	0.079	0.194	0.138	0.622
					Left Tilt	0.005	0.259	0.264	0.081	0.152	0.067	0.564
					Right Cheek	0.009	0.475	0.484	0.110	0.080	0.199	0.873
					Right Tilt	0.003	0.291	0.294	0.081	0.091	0.068	0.534
	LTE B4	Ant.6	N7	Ant.5	Left Cheek	0.020	0.334	0.354	0.079	0.194	0.138	0.765
					Left Tilt	0.005	0.062	0.067	0.081	0.152	0.067	0.367
					Right Cheek	0.009	0.493	0.502	0.110	0.080	0.199	0.891
					Right Tilt	0.003	0.056	0.059	0.081	0.091	0.068	0.299
	LTE B4	Ant.0	N7	Ant.4	Left Cheek	0.012	0.191	0.203	0.079	0.194	0.138	0.614
					Left Tilt	0.007	0.259	0.266	0.081	0.152	0.067	0.566
					Right Cheek	0.024	0.475	0.499	0.110	0.080	0.199	0.888
					Right Tilt	0.009	0.291	0.300	0.081	0.091	0.068	0.540
	LTE B4	Ant.0	N7	Ant.5	Left Cheek	0.012	0.334	0.346	0.079	0.194	0.138	0.757
					Left Tilt	0.007	0.062	0.069	0.081	0.152	0.067	0.369
					Right Cheek	0.024	0.493	0.517	0.110	0.080	0.199	0.906
					Right Tilt	0.009	0.056	0.065	0.081	0.091	0.068	0.305
ENDC_ 5A_n7A	LTE B5	Ant.0	N7	Ant.6	Left Cheek	0.134	0.029	0.163	0.079	0.194	0.138	0.574
					Left Tilt	0.043	0.011	0.054	0.081	0.152	0.067	0.354
					Right Cheek	0.290	0.025	0.315	0.110	0.080	0.199	0.704
					Right Tilt	0.075	0.012	0.087	0.081	0.091	0.068	0.327
	LTE B5	Ant.1	N7	Ant.0	Left Cheek	0.098	0.319	0.416	0.079	0.194	0.138	0.827
					Left Tilt	0.044	0.035	0.079	0.081	0.152	0.067	0.379
					Right Cheek	0.055	0.462	0.517	0.110	0.080	0.199	0.906
					Right Tilt	0.029	0.061	0.090	0.081	0.091	0.068	0.330

ENDC_66A_n7A	LTE B66	Ant.6	N7	Ant.4	Left Cheek	0.025	0.191	0.216	0.079	0.194	0.138	0.627
					Left Tilt	0.009	0.259	0.268	0.081	0.152	0.067	0.568
					Right Cheek	0.014	0.475	0.489	0.110	0.080	0.199	0.878
					Right Tilt	0.006	0.291	0.297	0.081	0.091	0.068	0.537
	LTE B66	Ant.6	N7	Ant.5	Left Cheek	0.025	0.334	0.359	0.079	0.194	0.138	0.770
					Left Tilt	0.009	0.062	0.071	0.081	0.152	0.067	0.371
					Right Cheek	0.014	0.493	0.507	0.110	0.080	0.199	0.896
					Right Tilt	0.006	0.056	0.062	0.081	0.091	0.068	0.302
	LTE B66	Ant.0	N7	Ant.4	Left Cheek	0.013	0.191	0.204	0.079	0.194	0.138	0.615
					Left Tilt	0.006	0.259	0.265	0.081	0.152	0.067	0.565
					Right Cheek	0.025	0.475	0.500	0.110	0.080	0.199	0.889
					Right Tilt	0.013	0.291	0.304	0.081	0.091	0.068	0.544
	LTE B66	Ant.0	N7	Ant.5	Left Cheek	0.013	0.334	0.347	0.079	0.194	0.138	0.758
					Left Tilt	0.006	0.062	0.068	0.081	0.152	0.067	0.368
					Right Cheek	0.025	0.493	0.518	0.110	0.080	0.199	0.907
					Right Tilt	0.013	0.056	0.069	0.081	0.091	0.068	0.309
ENDC_4A_n38A	LTE B4	Ant.4	N38	Ant.6	Left Cheek	0.187	0.066	0.253	0.079	0.194	0.138	0.664
					Left Tilt	0.213	0.031	0.244	0.081	0.152	0.067	0.544
					Right Cheek	0.346	0.030	0.376	0.110	0.080	0.199	0.765
					Right Tilt	0.264	0.013	0.277	0.081	0.091	0.068	0.517
	LTE B4	Ant.4	N38	Ant.0	Left Cheek	0.187	0.273	0.460	0.079	0.194	0.138	0.871
					Left Tilt	0.213	0.040	0.253	0.081	0.152	0.067	0.553
					Right Cheek	0.346	0.375	0.721	0.110	0.080	0.199	1.110
					Right Tilt	0.264	0.057	0.321	0.081	0.091	0.068	0.561
	LTE B4	Ant.5	N38	Ant.6	Left Cheek	0.178	0.066	0.244	0.079	0.194	0.138	0.655
					Left Tilt	0.025	0.031	0.056	0.081	0.152	0.067	0.356
					Right Cheek	0.359	0.030	0.389	0.110	0.080	0.199	0.778
					Right Tilt	0.062	0.013	0.075	0.081	0.091	0.068	0.315
	LTE B4	Ant.5	N38	Ant.0	Left Cheek	0.178	0.273	0.451	0.079	0.194	0.138	0.862
					Left Tilt	0.025	0.040	0.065	0.081	0.152	0.067	0.365
					Right Cheek	0.359	0.375	0.734	0.110	0.080	0.199	1.123
					Right Tilt	0.062	0.057	0.119	0.081	0.091	0.068	0.359
ENDC_5A_n38A	LTE B5	ANT1	N38	ANT6	Left Cheek	0.098	0.066	0.163	0.079	0.194	0.138	0.574
					Left Tilt	0.044	0.031	0.075	0.081	0.152	0.067	0.375
					Right Cheek	0.055	0.030	0.084	0.110	0.080	0.199	0.473
					Right Tilt	0.029	0.013	0.041	0.081	0.091	0.068	0.281
	LTE B5	ANT1	N38	ANT0	Left Cheek	0.098	0.273	0.371	0.079	0.194	0.138	0.782
					Left Tilt	0.044	0.040	0.084	0.081	0.152	0.067	0.384
					Right Cheek	0.055	0.375	0.430	0.110	0.080	0.199	0.819
					Right Tilt	0.029	0.057	0.086	0.081	0.091	0.068	0.326
	LTE B5	ANT0	N38	ANT6	Left Cheek	0.134	0.066	0.200	0.079	0.194	0.138	0.611
					Left Tilt	0.043	0.031	0.073	0.081	0.152	0.067	0.373
					Right Cheek	0.290	0.030	0.319	0.110	0.080	0.199	0.708

					Right Tilt	0.075	0.013	0.087	0.081	0.091	0.068	0.327
ENDC_66A_n38A	LTE B66	Ant.4	N38	Ant.6	Left Cheek	0.136	0.066	0.201	0.079	0.194	0.138	0.612
					Left Tilt	0.181	0.031	0.211	0.081	0.152	0.067	0.511
					Right Cheek	0.363	0.030	0.392	0.110	0.080	0.199	0.781
					Right Tilt	0.207	0.013	0.220	0.081	0.091	0.068	0.460
	LTE B66	Ant.4	N38	Ant.0	Left Cheek	0.136	0.273	0.409	0.079	0.194	0.138	0.820
					Left Tilt	0.181	0.040	0.220	0.081	0.152	0.067	0.520
					Right Cheek	0.363	0.375	0.738	0.110	0.080	0.199	1.127
					Right Tilt	0.207	0.057	0.264	0.081	0.091	0.068	0.504
	LTE B66	Ant.5	N38	Ant.6	Left Cheek	0.147	0.066	0.213	0.079	0.194	0.138	0.624
					Left Tilt	0.038	0.031	0.069	0.081	0.152	0.067	0.369
					Right Cheek	0.322	0.030	0.352	0.110	0.080	0.199	0.741
					Right Tilt	0.063	0.013	0.076	0.081	0.091	0.068	0.316
	LTE B66	Ant.5	N38	Ant.0	Left Cheek	0.147	0.273	0.420	0.079	0.194	0.138	0.831
					Left Tilt	0.038	0.040	0.078	0.081	0.152	0.067	0.378
					Right Cheek	0.322	0.375	0.697	0.110	0.080	0.199	1.086
					Right Tilt	0.063	0.057	0.120	0.081	0.091	0.068	0.360
ENDC_4A_n41A	LTE B4	Ant.4	N41	Ant.0	Left Cheek	0.187	0.296	0.483	0.079	0.194	0.138	0.894
					Left Tilt	0.213	0.032	0.245	0.081	0.152	0.067	0.545
					Right Cheek	0.346	0.378	0.724	0.110	0.080	0.199	1.113
					Right Tilt	0.264	0.054	0.318	0.081	0.091	0.068	0.558
	LTE B4	Ant.5	N41	Ant.6	Left Cheek	0.178	0.109	0.287	0.079	0.194	0.138	0.698
					Left Tilt	0.025	0.037	0.062	0.081	0.152	0.067	0.362
					Right Cheek	0.359	0.056	0.415	0.110	0.080	0.199	0.804
					Right Tilt	0.062	0.027	0.089	0.081	0.091	0.068	0.329
	LTE B4	Ant.5	N41	Ant.0	Left Cheek	0.178	0.296	0.474	0.079	0.194	0.138	0.885
					Left Tilt	0.025	0.032	0.057	0.081	0.152	0.067	0.357
					Right Cheek	0.359	0.378	0.737	0.110	0.080	0.199	1.126
					Right Tilt	0.062	0.054	0.116	0.081	0.091	0.068	0.356
ENDC_66A_n41A	LTE B66	Ant.4	N41	Ant.6	Left Cheek	0.136	0.109	0.244	0.079	0.194	0.138	0.655
					Left Tilt	0.181	0.037	0.218	0.081	0.152	0.067	0.518
					Right Cheek	0.363	0.056	0.419	0.110	0.080	0.199	0.808
					Right Tilt	0.207	0.027	0.234	0.081	0.091	0.068	0.474
	LTE B66	Ant.4	N41	Ant.0	Left Cheek	0.136	0.296	0.431	0.079	0.194	0.138	0.842
					Left Tilt	0.181	0.032	0.213	0.081	0.152	0.067	0.513
					Right Cheek	0.363	0.378	0.741	0.110	0.080	0.199	1.130
					Right Tilt	0.207	0.054	0.261	0.081	0.091	0.068	0.501
	LTE B66	Ant.5	N41	Ant.6	Left Cheek	0.147	0.109	0.256	0.079	0.194	0.138	0.667
					Left Tilt	0.038	0.037	0.075	0.081	0.152	0.067	0.375
					Right Cheek	0.322	0.056	0.378	0.110	0.080	0.199	0.767
					Right Tilt	0.063	0.027	0.090	0.081	0.091	0.068	0.330
	LTE B66	Ant.5	N41	Ant.0	Left Cheek	0.147	0.296	0.443	0.079	0.194	0.138	0.854
					Left Tilt	0.038	0.032	0.070	0.081	0.152	0.067	0.370

					Right Cheek	0.322	0.378	0.700	0.110	0.080	0.199	1.089
					Right Tilt	0.063	0.054	0.117	0.081	0.091	0.068	0.357

Note:

1: The highest Summed 1g SAR is 1.192 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.15 Body-worn Simultaneous Transmission SAR Evaluation for EN DC Antenna with 2.4G WLAN & 5G WLAN & Bluetooth

Band	LTE Band	LTE Antenna	NR Band	NR Antenna	Position	Stand alone SAR						SUM SAR
						1			2	3	4	
						LTE ENDC	NR NSA	ENDC	2.4GWIFI(MAX)	Max.5GWIFI(MAX)	Blueto oth Max	Sum SAR（1+2+3+4）
						STATE1	STATE1	STATE1	L8	L8	L8	
ENDC_7A_n5A	LTE B7	Ant.6	N5	ANT0	Front Side 15mm	0.023	0.136	0.159	0.064	0.464	0.053	0.740
					Back Side 15mm	0.038	0.099	0.137	0.060	0.470	0.028	0.695
	LTE B7	Ant.6	N5	ANT1	Front Side 15mm	0.023	0.083	0.106	0.064	0.464	0.053	0.687
					Back Side 15mm	0.038	0.082	0.120	0.060	0.470	0.028	0.678
	LTE B7	Ant.0	N5	ANT1	Front Side 15mm	0.105	0.083	0.188	0.064	0.464	0.053	0.769
					Back Side 15mm	0.058	0.082	0.140	0.060	0.470	0.028	0.698
ENDC_2A_n7A	LTE B2	Ant.4	N7	Ant.6	Front Side 15mm	0.054	0.063	0.117	0.064	0.464	0.053	0.698
					Back Side 15mm	0.065	0.090	0.155	0.060	0.470	0.028	0.713
	LTE B2	Ant.4	N7	Ant.0	Front Side 15mm	0.054	0.136	0.190	0.064	0.464	0.053	0.771
					Back Side 15mm	0.065	0.096	0.161	0.060	0.470	0.028	0.719
	LTE B2	Ant.5	N7	Ant.6	Front Side 15mm	0.110	0.063	0.173	0.064	0.464	0.053	0.754
					Back Side 15mm	0.137	0.090	0.227	0.060	0.470	0.028	0.785
	LTE B2	Ant.5	N7	Ant.0	Front Side 15mm	0.110	0.136	0.246	0.064	0.464	0.053	0.827
					Back Side 15mm	0.137	0.096	0.233	0.060	0.470	0.028	0.791
ENDC_4A_n7A	LTE B4	Ant.6	N7	Ant.4	Front Side 15mm	0.017	0.233	0.250	0.064	0.464	0.053	0.831
					Back Side 15mm	0.032	0.207	0.239	0.060	0.470	0.028	0.797
	LTE B4	Ant.6	N7	Ant.5	Front Side 15mm	0.017	0.158	0.175	0.064	0.464	0.053	0.756
					Back Side 15mm	0.032	0.174	0.206	0.060	0.470	0.028	0.764
	LTE B4	Ant.0	N7	Ant.4	Front Side 15mm	0.039	0.233	0.272	0.064	0.464	0.053	0.853
					Back Side 15mm	0.021	0.207	0.228	0.060	0.470	0.028	0.786
	LTE B4	Ant.0	N7	Ant.5	Front Side 15mm	0.039	0.158	0.197	0.064	0.464	0.053	0.778
					Back Side 15mm	0.021	0.174	0.195	0.060	0.470	0.028	0.753
ENDC_5A_n7A	LTE B5	Ant.0	N7	Ant.6	Front Side 15mm	0.173	0.063	0.236	0.064	0.464	0.053	0.817
					Back Side 15mm	0.100	0.090	0.190	0.060	0.470	0.028	0.748
	LTE B5	Ant.1	N7	Ant.0	Front Side 15mm	0.124	0.136	0.260	0.064	0.464	0.053	0.841
					Back Side 15mm	0.132	0.096	0.228	0.060	0.470	0.028	0.786
ENDC_66A_n7A	LTE B66	Ant.6	N7	Ant.6	Front Side 15mm	0.020	0.063	0.083	0.064	0.464	0.053	0.664
					Back Side 15mm	0.027	0.090	0.117	0.060	0.470	0.028	0.675

	LTE B66	Ant.6	N7	Ant.0	Front Side 15mm	0.020	0.136	0.156	0.064	0.464	0.053	0.737
					Back Side 15mm	0.027	0.096	0.123	0.060	0.470	0.028	0.681
	LTE B66	Ant.0	N7	Ant.6	Front Side 15mm	0.016	0.063	0.079	0.064	0.464	0.053	0.660
					Back Side 15mm	0.008	0.090	0.098	0.060	0.470	0.028	0.656
	LTE B66	Ant.0	N7	Ant.0	Front Side 15mm	0.016	0.136	0.152	0.064	0.464	0.053	0.733
					Back Side 15mm	0.008	0.096	0.104	0.060	0.470	0.028	0.662
ENDC_4A _n38A	LTE B4	Ant.4	N38	Ant.6	Front Side 15mm	0.079	0.091	0.170	0.064	0.464	0.053	0.751
					Back Side 15mm	0.090	0.134	0.224	0.060	0.470	0.028	0.782
	LTE B4	Ant.4	N38	Ant.0	Front Side 15mm	0.079	0.127	0.206	0.064	0.464	0.053	0.787
					Back Side 15mm	0.090	0.092	0.182	0.060	0.470	0.028	0.740
	LTE B4	Ant.5	N38	Ant.6	Front Side 15mm	0.105	0.091	0.196	0.064	0.464	0.053	0.777
					Back Side 15mm	0.119	0.134	0.253	0.060	0.470	0.028	0.811
	LTE B4	Ant.5	N38	Ant.0	Front Side 15mm	0.105	0.127	0.232	0.064	0.464	0.053	0.813
					Back Side 15mm	0.119	0.092	0.211	0.060	0.470	0.028	0.769
ENDC_5A _n38A	LTE B5	ANT1	N38	ANT0	Front Side 15mm	0.124	0.127	0.251	0.064	0.464	0.053	0.832
					Back Side 15mm	0.132	0.092	0.224	0.060	0.470	0.028	0.782
	LTE B5	ANT1	N38	ANT6	Front Side 15mm	0.124	0.091	0.215	0.064	0.464	0.053	0.796
					Back Side 15mm	0.132	0.134	0.266	0.060	0.470	0.028	0.824
	LTE B5	ANT0	N38	ANT6	Front Side 15mm	0.173	0.091	0.264	0.064	0.464	0.053	0.845
					Back Side 15mm	0.100	0.134	0.234	0.060	0.470	0.028	0.792
ENDC_66 A_n38A	LTE B66	Ant.4	N38	Ant.6	Front Side 15mm	0.015	0.091	0.106	0.064	0.464	0.053	0.687
					Back Side 15mm	0.010	0.134	0.144	0.060	0.470	0.028	0.702
	LTE B66	Ant.4	N38	Ant.0	Front Side 15mm	0.015	0.127	0.142	0.064	0.464	0.053	0.723
					Back Side 15mm	0.010	0.092	0.102	0.060	0.470	0.028	0.660
	LTE B66	Ant.5	N38	Ant.6	Front Side 15mm	0.012	0.091	0.103	0.064	0.464	0.053	0.684
					Back Side 15mm	0.006	0.134	0.140	0.060	0.470	0.028	0.698
	LTE B66	Ant.5	N38	Ant.0	Front Side 15mm	0.012	0.127	0.139	0.064	0.464	0.053	0.720
					Back Side 15mm	0.006	0.092	0.098	0.060	0.470	0.028	0.656
ENDC_4A _n41A	LTE B4	Ant.4	N41	Ant.6	Front Side 15mm	0.079	0.076	0.155	0.064	0.464	0.053	0.736
					Back Side 15mm	0.090	0.100	0.190	0.060	0.470	0.028	0.748
	LTE B4	Ant.4	N41	Ant.0	Front Side 15mm	0.079	0.207	0.286	0.064	0.464	0.053	0.867
					Back Side 15mm	0.090	0.150	0.240	0.060	0.470	0.028	0.798
	LTE B4	Ant.5	N41	Ant.6	Front Side 15mm	0.105	0.076	0.181	0.064	0.464	0.053	0.762
					Back Side 15mm	0.119	0.100	0.219	0.060	0.470	0.028	0.777
	LTE B4	Ant.5	N41	Ant.0	Front Side 15mm	0.105	0.207	0.312	0.064	0.464	0.053	0.893
					Back Side 15mm	0.119	0.150	0.269	0.060	0.470	0.028	0.827
ENDC_66 A_n41A	LTE B66	Ant.4	N41	Ant.6	Front Side 15mm	0.015	0.076	0.091	0.064	0.464	0.053	0.672
					Back Side 15mm	0.010	0.100	0.110	0.060	0.470	0.028	0.668
	LTE B66	Ant.4	N41	Ant.0	Front Side 15mm	0.015	0.207	0.222	0.064	0.464	0.053	0.803
					Back Side 15mm	0.010	0.150	0.160	0.060	0.470	0.028	0.718
	LTE B66	Ant.5	N41	Ant.6	Front Side 15mm	0.012	0.076	0.088	0.064	0.464	0.053	0.669
					Back Side 15mm	0.006	0.100	0.106	0.060	0.470	0.028	0.664
	LTE B66	Ant.5	N41	Ant.0	Front Side 15mm	0.012	0.207	0.219	0.064	0.464	0.053	0.800

					Back Side 15mm	0.006	0.150	0.156	0.060	0.470	0.028	0.714

Note:

1: The highest Summed 1g SAR is 0.787 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.16 Hotspot Simultaneous Transmission SAR Evaluation for EN DC Antenna with 2.4G WLAN or 5G WLAN

Band	LTE Band	LTE Antenna	NR Band	NR Antenna	Position	Stand alone SAR					SUM SAR	
						1			2	3		
						LTE ENDC	NR NSA	ENDC	2.4GWIFI(MAX)	Max.5GWIFI(MAX)	Sum SAR（1+2）	Sum SAR（1+3）
						STATE4	STATE4	STATE4	L10	L10		
ENDC_7A_n5A	LTE B7	Ant.6	N5	ANT0	Front Side 10mm	0.071	0.158	0.229	0.104	0.462	0.333	0.691
					Back Side 10mm	0.117	0.113	0.230	0.087	0.476	0.317	0.706
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.060	0.169	0.229	0.142	0.000	0.371	0.229
					Top Edge 10mm	0.000	0.003	0.003	0.157	0.328	0.160	0.331
					Bottom Edge 10mm	0.180	0.000	0.180	0.065	0.386	0.245	0.566
	LTE B7	Ant.6	N5	ANT1	Front Side 10mm	0.071	0.083	0.154	0.104	0.462	0.258	0.616
					Back Side 10mm	0.117	0.082	0.199	0.087	0.476	0.286	0.675
					Left Edge 10mm	0.000	0.055	0.055	0.158	0.189	0.213	0.244
					Right Edge 10mm	0.060	0.000	0.060	0.142	0.000	0.202	0.060
					Top Edge 10mm	0.000	0.004	0.004	0.157	0.328	0.161	0.332
					Bottom Edge 10mm	0.180	0.094	0.274	0.065	0.386	0.339	0.660
	LTE B7	Ant.0	N5	ANT1	Front Side 10mm	0.197	0.083	0.280	0.104	0.462	0.384	0.742
					Back Side 10mm	0.126	0.082	0.208	0.087	0.476	0.295	0.684
					Left Edge 10mm	0.000	0.055	0.055	0.158	0.189	0.213	0.244
					Right Edge 10mm	0.137	0.000	0.137	0.142	0.000	0.279	0.137
					Top Edge 10mm	0.034	0.004	0.038	0.157	0.328	0.195	0.366
					Bottom Edge 10mm	0.000	0.094	0.094	0.065	0.386	0.159	0.480
ENDC_2A_n7A	LTE B2	Ant.4	N7	Ant.6	Front Side 10mm	0.087	0.065	0.152	0.104	0.462	0.256	0.614
					Back Side 10mm	0.073	0.103	0.176	0.087	0.476	0.263	0.652
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.051	0.062	0.113	0.142	0.000	0.255	0.113
					Top Edge 10mm	0.225	0.000	0.225	0.157	0.328	0.382	0.553
					Bottom Edge 10mm	0.200	0.150	0.350	0.065	0.386	0.415	0.736
	LTE B2	Ant.4	N7	Ant.0	Front Side 10mm	0.087	0.167	0.254	0.104	0.462	0.358	0.716
					Back Side 10mm	0.073	0.111	0.184	0.087	0.476	0.271	0.660
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.051	0.248	0.299	0.142	0.000	0.441	0.299
					Top Edge 10mm	0.225	0.061	0.286	0.157	0.328	0.443	0.614
					Bottom Edge 10mm	0.200	0.000	0.200	0.065	0.386	0.265	0.586
	LTE B2	Ant.5	N7	Ant.6	Front Side 10mm	0.092	0.065	0.157	0.104	0.462	0.261	0.619
					Back Side 10mm	0.103	0.103	0.206	0.087	0.476	0.293	0.682

					Left Edge 10mm	0.170	0.000	0.170	0.158	0.189	0.328	0.359
					Right Edge 10mm	0.035	0.062	0.097	0.142	0.000	0.239	0.097
					Top Edge 10mm	0.000	0.000	0.000	0.157	0.328	0.157	0.328
					Bottom Edge 10mm	0.000	0.150	0.150	0.065	0.386	0.215	0.536
	LTE B2	Ant.5	N7	Ant.0	Front Side 10mm	0.092	0.167	0.259	0.104	0.462	0.363	0.721
					Back Side 10mm	0.103	0.111	0.214	0.087	0.476	0.301	0.690
					Left Edge 10mm	0.170	0.000	0.170	0.158	0.189	0.328	0.359
					Right Edge 10mm	0.035	0.248	0.283	0.142	0.000	0.425	0.283
					Top Edge 10mm	0.000	0.061	0.061	0.157	0.328	0.218	0.389
					Bottom Edge 10mm	0.000	0.000	0.000	0.065	0.386	0.065	0.386
ENDC_4A_n 7A	LTE B4	Ant.6	N7	Ant.4	Front Side 10mm	0.029	0.209	0.238	0.104	0.462	0.342	0.700
					Back Side 10mm	0.068	0.180	0.248	0.087	0.476	0.335	0.724
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.040	0.196	0.236	0.142	0.000	0.378	0.236
					Top Edge 10mm	0.000	0.404	0.404	0.157	0.328	0.561	0.732
					Bottom Edge 10mm	0.077	0.259	0.336	0.065	0.386	0.401	0.722
	LTE B4	Ant.6	N7	Ant.5	Front Side 10mm	0.029	0.192	0.221	0.104	0.462	0.325	0.683
					Back Side 10mm	0.068	0.208	0.276	0.087	0.476	0.363	0.752
					Left Edge 10mm	0.000	0.283	0.283	0.158	0.189	0.441	0.472
					Right Edge 10mm	0.040	0.000	0.040	0.142	0.000	0.182	0.040
					Top Edge 10mm	0.000	0.030	0.030	0.157	0.328	0.187	0.358
					Bottom Edge 10mm	0.077	0.000	0.077	0.065	0.386	0.142	0.463
	LTE B4	Ant.0	N7	Ant.4	Front Side 10mm	0.024	0.209	0.233	0.104	0.462	0.337	0.695
					Back Side 10mm	0.018	0.180	0.198	0.087	0.476	0.285	0.674
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.028	0.196	0.224	0.142	0.000	0.366	0.224
					Top Edge 10mm	0.007	0.404	0.411	0.157	0.328	0.568	0.739
					Bottom Edge 10mm	0.000	0.259	0.259	0.065	0.386	0.324	0.645
	LTE B4	Ant.0	N7	Ant.5	Front Side 10mm	0.024	0.192	0.216	0.104	0.462	0.320	0.678
					Back Side 10mm	0.018	0.208	0.226	0.087	0.476	0.313	0.702
					Left Edge 10mm	0.000	0.283	0.283	0.158	0.189	0.441	0.472
					Right Edge 10mm	0.028	0.000	0.028	0.142	0.000	0.170	0.028
					Top Edge 10mm	0.007	0.030	0.037	0.157	0.328	0.194	0.365
					Bottom Edge 10mm	0.000	0.000	0.000	0.065	0.386	0.065	0.386
ENDC_5A_n 7A	LTE B5	Ant.0	N7	Ant.6	Front Side 10mm	0.148	0.065	0.213	0.104	0.462	0.317	0.675
					Back Side 10mm	0.119	0.103	0.222	0.087	0.476	0.309	0.698
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.203	0.062	0.265	0.142	0.000	0.407	0.265
					Top Edge 10mm	0.023	0.000	0.023	0.157	0.328	0.180	0.351
					Bottom Edge 10mm	0.000	0.150	0.150	0.065	0.386	0.215	0.536
	LTE B5	Ant.1	N7	Ant.0	Front Side 10mm	0.113	0.167	0.280	0.104	0.462	0.384	0.742
					Back Side 10mm	0.120	0.111	0.231	0.087	0.476	0.318	0.707
					Left Edge 10mm	0.080	0.000	0.080	0.158	0.189	0.238	0.269

					Right Edge 10mm	0.000	0.248	0.248	0.142	0.000	0.390	0.248
					Top Edge 10mm	0.000	0.061	0.061	0.157	0.328	0.218	0.389
					Bottom Edge 10mm	0.089	0.000	0.089	0.065	0.386	0.154	0.475
ENDC_66A_n7A	LTE B66	Ant.6	N7	Ant.6	Front Side 10mm	0.018	0.065	0.083	0.104	0.462	0.187	0.545
					Back Side 10mm	0.054	0.103	0.157	0.087	0.476	0.244	0.633
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.030	0.062	0.092	0.142	0.000	0.234	0.092
					Top Edge 10mm	0.000	0.000	0.000	0.157	0.328	0.157	0.328
					Bottom Edge 10mm	0.042	0.150	0.192	0.065	0.386	0.257	0.578
	LTE B66	Ant.6	N7	Ant.0	Front Side 10mm	0.018	0.167	0.185	0.104	0.462	0.289	0.647
					Back Side 10mm	0.054	0.111	0.165	0.087	0.476	0.252	0.641
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.030	0.248	0.278	0.142	0.000	0.420	0.278
					Top Edge 10mm	0.000	0.061	0.061	0.157	0.328	0.218	0.389
					Bottom Edge 10mm	0.042	0.000	0.042	0.065	0.386	0.107	0.428
	LTE B66	Ant.0	N7	Ant.6	Front Side 10mm	0.026	0.065	0.091	0.104	0.462	0.195	0.553
					Back Side 10mm	0.012	0.103	0.115	0.087	0.476	0.202	0.591
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.032	0.062	0.094	0.142	0.000	0.236	0.094
					Top Edge 10mm	0.010	0.000	0.010	0.157	0.328	0.167	0.338
					Bottom Edge 10mm	0.000	0.150	0.150	0.065	0.386	0.215	0.536
	LTE B66	Ant.0	N7	Ant.0	Front Side 10mm	0.026	0.167	0.193	0.104	0.462	0.297	0.655
					Back Side 10mm	0.012	0.111	0.123	0.087	0.476	0.210	0.599
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.032	0.248	0.280	0.142	0.000	0.422	0.280
					Top Edge 10mm	0.010	0.061	0.071	0.157	0.328	0.228	0.399
					Bottom Edge 10mm	0.000	0.000	0.000	0.065	0.386	0.065	0.386
ENDC_4A_n38A	LTE B4	Ant.4	N38	Ant.6	Front Side 10mm	0.037	0.082	0.119	0.104	0.462	0.223	0.581
					Back Side 10mm	0.040	0.120	0.160	0.087	0.476	0.247	0.636
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.025	0.041	0.066	0.142	0.000	0.208	0.066
					Top Edge 10mm	0.097	0.000	0.097	0.157	0.328	0.254	0.425
					Bottom Edge 10mm	0.000	0.161	0.161	0.065	0.386	0.226	0.547
	LTE B4	Ant.4	N38	Ant.0	Front Side 10mm	0.037	0.154	0.191	0.104	0.462	0.295	0.653
					Back Side 10mm	0.040	0.102	0.142	0.087	0.476	0.229	0.618
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.025	0.233	0.258	0.142	0.000	0.400	0.258
					Top Edge 10mm	0.097	0.063	0.160	0.157	0.328	0.317	0.488
					Bottom Edge 10mm	0.000	0.063	0.063	0.065	0.386	0.128	0.449
	LTE B4	Ant.5	N38	Ant.6	Front Side 10mm	0.069	0.082	0.151	0.104	0.462	0.255	0.613
					Back Side 10mm	0.077	0.120	0.197	0.087	0.476	0.284	0.673
					Left Edge 10mm	0.106	0.000	0.106	0.158	0.189	0.264	0.295
					Right Edge 10mm	0.000	0.041	0.041	0.142	0.000	0.183	0.041

					Top Edge 10mm	0.000	0.000	0.000	0.157	0.328	0.157	0.328
					Bottom Edge 10mm	0.000	0.161	0.161	0.065	0.386	0.226	0.547
	LTE B4	Ant.5	N38	Ant.0	Front Side 10mm	0.069	0.154	0.223	0.104	0.462	0.327	0.685
					Back Side 10mm	0.077	0.102	0.179	0.087	0.476	0.266	0.655
					Left Edge 10mm	0.106	0.000	0.106	0.158	0.189	0.264	0.295
					Right Edge 10mm	0.000	0.233	0.233	0.142	0.000	0.375	0.233
					Top Edge 10mm	0.000	0.063	0.063	0.157	0.328	0.220	0.391
					Bottom Edge 10mm	0.000	0.063	0.063	0.065	0.386	0.128	0.449
ENDC_5A_n 38A	LTE B5	ANT1	N38	ANT0	Front Side 10mm	0.113	0.154	0.267	0.104	0.462	0.371	0.729
					Back Side 10mm	0.120	0.102	0.222	0.087	0.476	0.309	0.698
					Left Edge 10mm	0.080	0.000	0.080	0.158	0.189	0.238	0.269
					Right Edge 10mm	0.000	0.233	0.233	0.142	0.000	0.375	0.233
					Top Edge 10mm	0.000	0.063	0.063	0.157	0.328	0.220	0.391
					Bottom Edge 10mm	0.089	0.063	0.152	0.065	0.386	0.217	0.538
	LTE B5	ANT1	N38	ANT6	Front Side 10mm	0.113	0.082	0.195	0.104	0.462	0.299	0.657
					Back Side 10mm	0.120	0.120	0.240	0.087	0.476	0.327	0.716
					Left Edge 10mm	0.080	0.000	0.080	0.158	0.189	0.238	0.269
					Right Edge 10mm	0.000	0.041	0.041	0.142	0.000	0.183	0.041
					Top Edge 10mm	0.000	0.000	0.000	0.157	0.328	0.157	0.328
					Bottom Edge 10mm	0.089	0.161	0.250	0.065	0.386	0.315	0.636
	LTE B5	ANT0	N38	ANT6	Front Side 10mm	0.148	0.082	0.230	0.104	0.462	0.334	0.692
					Back Side 10mm	0.119	0.120	0.239	0.087	0.476	0.326	0.715
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.203	0.041	0.244	0.142	0.000	0.386	0.244
					Top Edge 10mm	0.023	0.000	0.023	0.157	0.328	0.180	0.351
					Bottom Edge 10mm	0.000	0.161	0.161	0.065	0.386	0.226	0.547
ENDC_66A_ n38A	LTE B66	Ant.4	N38	Ant.6	Front Side 10mm	0.038	0.082	0.120	0.104	0.462	0.224	0.582
					Back Side 10mm	0.029	0.120	0.149	0.087	0.476	0.236	0.625
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.018	0.041	0.059	0.142	0.000	0.201	0.059
					Top Edge 10mm	0.086	0.000	0.086	0.157	0.328	0.243	0.414
					Bottom Edge 10mm	0.062	0.161	0.223	0.065	0.386	0.288	0.609
	LTE B66	Ant.4	N38	Ant.0	Front Side 10mm	0.038	0.154	0.192	0.104	0.462	0.296	0.654
					Back Side 10mm	0.029	0.102	0.131	0.087	0.476	0.218	0.607
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.018	0.233	0.251	0.142	0.000	0.393	0.251
					Top Edge 10mm	0.086	0.063	0.149	0.157	0.328	0.306	0.477
					Bottom Edge 10mm	0.062	0.063	0.125	0.065	0.386	0.190	0.511
	LTE B66	Ant.5	N38	Ant.6	Front Side 10mm	0.034	0.082	0.116	0.104	0.462	0.220	0.578
					Back Side 10mm	0.021	0.120	0.141	0.087	0.476	0.228	0.617
					Left Edge 10mm	0.039	0.000	0.039	0.158	0.189	0.197	0.228
					Right Edge 10mm	0.013	0.041	0.054	0.142	0.000	0.196	0.054
					Top Edge 10mm	0.000	0.000	0.000	0.157	0.328	0.157	0.328

					Bottom Edge 10mm	0.000	0.161	0.161	0.065	0.386	0.226	0.547
	LTE B66	Ant.5	N38	Ant.0	Front Side 10mm	0.034	0.154	0.188	0.104	0.462	0.292	0.650
					Back Side 10mm	0.021	0.102	0.123	0.087	0.476	0.210	0.599
					Left Edge 10mm	0.039	0.000	0.039	0.158	0.189	0.197	0.228
					Right Edge 10mm	0.013	0.233	0.246	0.142	0.000	0.388	0.246
					Top Edge 10mm	0.000	0.063	0.063	0.157	0.328	0.220	0.391
					Bottom Edge 10mm	0.000	0.063	0.063	0.065	0.386	0.128	0.449
ENDC_4A_n41A	LTE B4	Ant.4	N41	Ant.6	Front Side 10mm	0.080	0.094	0.174	0.104	0.462	0.278	0.636
					Back Side 10mm	0.086	0.128	0.214	0.087	0.476	0.301	0.690
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.054	0.044	0.098	0.142	0.000	0.240	0.098
					Top Edge 10mm	0.207	0.000	0.207	0.157	0.328	0.364	0.535
					Bottom Edge 10mm	0.000	0.163	0.163	0.065	0.386	0.228	0.549
	LTE B4	Ant.4	N41	Ant.0	Front Side 10mm	0.080	0.207	0.287	0.104	0.462	0.391	0.749
					Back Side 10mm	0.086	0.136	0.222	0.087	0.476	0.309	0.698
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.054	0.307	0.361	0.142	0.000	0.503	0.361
					Top Edge 10mm	0.207	0.065	0.272	0.157	0.328	0.429	0.600
					Bottom Edge 10mm	0.000	0.054	0.054	0.065	0.386	0.119	0.440
	LTE B4	Ant.5	N41	Ant.6	Front Side 10mm	0.118	0.094	0.212	0.104	0.462	0.316	0.674
					Back Side 10mm	0.130	0.128	0.258	0.087	0.476	0.345	0.734
					Left Edge 10mm	0.179	0.000	0.179	0.158	0.189	0.337	0.368
					Right Edge 10mm	0.000	0.044	0.044	0.142	0.000	0.186	0.044
					Top Edge 10mm	0.000	0.000	0.000	0.157	0.328	0.157	0.328
					Bottom Edge 10mm	0.000	0.163	0.163	0.065	0.386	0.228	0.549
	LTE B4	Ant.5	N41	Ant.0	Front Side 10mm	0.118	0.207	0.325	0.104	0.462	0.429	0.787
					Back Side 10mm	0.130	0.136	0.266	0.087	0.476	0.353	0.742
					Left Edge 10mm	0.179	0.000	0.179	0.158	0.189	0.337	0.368
					Right Edge 10mm	0.000	0.307	0.307	0.142	0.000	0.449	0.307
					Top Edge 10mm	0.000	0.065	0.065	0.157	0.328	0.222	0.393
					Bottom Edge 10mm	0.000	0.054	0.054	0.065	0.386	0.119	0.440
ENDC_66A_n41A	LTE B66	Ant.4	N41	Ant.6	Front Side 10mm	0.038	0.094	0.132	0.104	0.462	0.236	0.594
					Back Side 10mm	0.029	0.128	0.157	0.087	0.476	0.244	0.633
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.018	0.044	0.062	0.142	0.000	0.204	0.062
					Top Edge 10mm	0.086	0.000	0.086	0.157	0.328	0.243	0.414
					Bottom Edge 10mm	0.062	0.163	0.225	0.065	0.386	0.290	0.611
	LTE B66	Ant.4	N41	Ant.0	Front Side 10mm	0.038	0.207	0.245	0.104	0.462	0.349	0.707
					Back Side 10mm	0.029	0.136	0.165	0.087	0.476	0.252	0.641
					Left Edge 10mm	0.000	0.000	0.000	0.158	0.189	0.158	0.189
					Right Edge 10mm	0.018	0.307	0.325	0.142	0.000	0.467	0.325
					Top Edge 10mm	0.086	0.065	0.151	0.157	0.328	0.308	0.479
					Bottom Edge 10mm	0.062	0.054	0.116	0.065	0.386	0.181	0.502

	LTE B66	Ant.5	N41	Ant.6	Front Side 10mm	0.034	0.094	0.128	0.104	0.462	0.232	0.590
					Back Side 10mm	0.021	0.128	0.149	0.087	0.476	0.236	0.625
					Left Edge 10mm	0.039	0.000	0.039	0.158	0.189	0.197	0.228
					Right Edge 10mm	0.013	0.044	0.057	0.142	0.000	0.199	0.057
					Top Edge 10mm	0.000	0.000	0.000	0.157	0.328	0.157	0.328
					Bottom Edge 10mm	0.000	0.163	0.163	0.065	0.386	0.228	0.549
	LTE B66	Ant.5	N41	Ant.0	Front Side 10mm	0.034	0.207	0.241	0.104	0.462	0.345	0.703
					Back Side 10mm	0.021	0.136	0.157	0.087	0.476	0.244	0.633
					Left Edge 10mm	0.039	0.000	0.039	0.158	0.189	0.197	0.228
					Right Edge 10mm	0.013	0.307	0.320	0.142	0.000	0.462	0.320
					Top Edge 10mm	0.000	0.065	0.065	0.157	0.328	0.222	0.393
					Bottom Edge 10mm	0.000	0.054	0.054	0.065	0.386	0.119	0.440

Note:

1: The highest Summed 1g SAR is 0.787 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.17 Hotspot Simultaneous Transmission SAR Evaluation for EN DC Antenna with 2.4G WLAN and 5G WLAN or Bluetooth

LTE Band	LTE Antenna	NR Band	NR Antenna	Position	Stand alone SAR						SUM SAR		
							1	2	3	4			
					LTE ENDC	NR NSA	ENDC	2.4GWIFI(MAX)	Max.5GWIFI(MAX)	Bluetooth Max	Sum SAR（1+2+3）	Sum SAR（1+2+4）	Sum SAR（1+3+4）
					STAT E4	STAT E4	STAT E4	L12&13	L12&13	L8			
LTE B7	Ant.6	N5	ANT0	Front Side 10mm	0.071	0.158	0.229	0.050	0.240	0.082	0.519	0.361	0.551
				Back Side 10mm	0.117	0.113	0.230	0.038	0.274	0.108	0.542	0.376	0.612
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.060	0.169	0.229	0.062	0.000	0.017	0.291	0.308	0.246
				Top Edge 10mm	0.000	0.003	0.003	0.077	0.188	0.221	0.268	0.301	0.412
				Bottom Edge 10mm	0.180	0.000	0.180	0.025	0.135	0.070	0.340	0.275	0.385
LTE B7	Ant.6	N5	ANT1	Front Side 10mm	0.071	0.083	0.154	0.050	0.240	0.082	0.444	0.286	0.476
				Back Side 10mm	0.117	0.082	0.199	0.038	0.274	0.108	0.511	0.345	0.581
				Left Edge 10mm	0.000	0.055	0.055	0.067	0.091	0.018	0.213	0.140	0.164
				Right Edge 10mm	0.060	0.000	0.060	0.062	0.000	0.017	0.122	0.139	0.077
				Top Edge 10mm	0.000	0.004	0.004	0.077	0.188	0.221	0.269	0.302	0.413
				Bottom Edge 10mm	0.180	0.094	0.274	0.025	0.135	0.070	0.434	0.369	0.479
LTE B7	Ant.0	N5	ANT1	Front Side 10mm	0.197	0.083	0.280	0.050	0.240	0.082	0.570	0.412	0.602
				Back Side 10mm	0.126	0.082	0.208	0.038	0.274	0.108	0.520	0.354	0.590
				Left Edge 10mm	0.000	0.055	0.055	0.067	0.091	0.018	0.213	0.140	0.164
				Right Edge 10mm	0.137	0.000	0.137	0.062	0.000	0.017	0.199	0.216	0.154
				Top Edge 10mm	0.034	0.004	0.038	0.077	0.188	0.221	0.303	0.336	0.447

				Bottom Edge 10mm	0.000	0.094	0.094	0.025	0.135	0.070	0.254	0.189	0.299
LTE B2	Ant.4	N7	Ant.6	Front Side 10mm	0.087	0.065	0.152	0.050	0.240	0.082	0.442	0.284	0.474
				Back Side 10mm	0.073	0.103	0.176	0.038	0.274	0.108	0.488	0.322	0.558
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.051	0.062	0.113	0.062	0.000	0.017	0.175	0.192	0.130
				Top Edge 10mm	0.225	0.000	0.225	0.077	0.188	0.221	0.490	0.523	0.634
				Bottom Edge 10mm	0.200	0.150	0.350	0.025	0.135	0.070	0.510	0.445	0.555
LTE B2	Ant.4	N7	Ant.0	Front Side 10mm	0.087	0.167	0.254	0.050	0.240	0.082	0.544	0.386	0.576
				Back Side 10mm	0.073	0.111	0.184	0.038	0.274	0.108	0.496	0.330	0.566
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.051	0.248	0.299	0.062	0.000	0.017	0.361	0.378	0.316
				Top Edge 10mm	0.225	0.061	0.286	0.077	0.188	0.221	0.551	0.584	0.695
				Bottom Edge 10mm	0.200	0.000	0.200	0.025	0.135	0.070	0.360	0.295	0.405
LTE B2	Ant.5	N7	Ant.6	Front Side 10mm	0.092	0.065	0.157	0.050	0.240	0.082	0.447	0.289	0.479
				Back Side 10mm	0.103	0.103	0.206	0.038	0.274	0.108	0.518	0.352	0.588
				Left Edge 10mm	0.170	0.000	0.170	0.067	0.091	0.018	0.328	0.255	0.279
				Right Edge 10mm	0.035	0.062	0.097	0.062	0.000	0.017	0.159	0.176	0.114
				Top Edge 10mm	0.000	0.000	0.000	0.077	0.188	0.221	0.265	0.298	0.409
				Bottom Edge 10mm	0.000	0.150	0.150	0.025	0.135	0.070	0.310	0.245	0.355
LTE B2	Ant.5	N7	Ant.0	Front Side 10mm	0.092	0.167	0.259	0.050	0.240	0.082	0.549	0.391	0.581
				Back Side 10mm	0.103	0.111	0.214	0.038	0.274	0.108	0.526	0.360	0.596
				Left Edge 10mm	0.170	0.000	0.170	0.067	0.091	0.018	0.328	0.255	0.279
				Right Edge 10mm	0.035	0.248	0.283	0.062	0.000	0.017	0.345	0.362	0.300
				Top Edge 10mm	0.000	0.061	0.061	0.077	0.188	0.221	0.326	0.359	0.470
				Bottom Edge 10mm	0.000	0.000	0.000	0.025	0.135	0.070	0.160	0.095	0.205
LTE B4	Ant.6	N7	Ant.4	Front Side 10mm	0.029	0.209	0.238	0.050	0.240	0.082	0.528	0.370	0.560
				Back Side 10mm	0.068	0.180	0.248	0.038	0.274	0.108	0.560	0.394	0.630
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.040	0.196	0.236	0.062	0.000	0.017	0.298	0.315	0.253
				Top Edge 10mm	0.000	0.404	0.404	0.077	0.188	0.221	0.669	0.702	0.813
				Bottom Edge 10mm	0.077	0.259	0.336	0.025	0.135	0.070	0.496	0.431	0.541
LTE B4	Ant.6	N7	Ant.5	Front Side 10mm	0.029	0.192	0.221	0.050	0.240	0.082	0.511	0.353	0.543
				Back Side 10mm	0.068	0.208	0.276	0.038	0.274	0.108	0.588	0.422	0.658
				Left Edge 10mm	0.000	0.283	0.283	0.067	0.091	0.018	0.441	0.368	0.392
				Right Edge 10mm	0.040	0.000	0.040	0.062	0.000	0.017	0.102	0.119	0.057
				Top Edge 10mm	0.000	0.030	0.030	0.077	0.188	0.221	0.295	0.328	0.439
				Bottom Edge 10mm	0.077	0.000	0.077	0.025	0.135	0.070	0.237	0.172	0.282
LTE B4	Ant.0	N7	Ant.4	Front Side 10mm	0.024	0.209	0.233	0.050	0.240	0.082	0.523	0.365	0.555
				Back Side 10mm	0.018	0.180	0.198	0.038	0.274	0.108	0.510	0.344	0.580
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.028	0.196	0.224	0.062	0.000	0.017	0.286	0.303	0.241
				Top Edge 10mm	0.007	0.404	0.411	0.077	0.188	0.221	0.676	0.709	0.820
				Bottom Edge 10mm	0.000	0.259	0.259	0.025	0.135	0.070	0.419	0.354	0.464

LTE B4	Ant.0	N7	Ant.5	Front Side 10mm	0.024	0.192	0.216	0.050	0.240	0.082	0.506	0.348	0.538
				Back Side 10mm	0.018	0.208	0.226	0.038	0.274	0.108	0.538	0.372	0.608
				Left Edge 10mm	0.000	0.283	0.283	0.067	0.091	0.018	0.441	0.368	0.392
				Right Edge 10mm	0.028	0.000	0.028	0.062	0.000	0.017	0.090	0.107	0.045
				Top Edge 10mm	0.007	0.030	0.037	0.077	0.188	0.221	0.302	0.335	0.446
				Bottom Edge 10mm	0.000	0.000	0.000	0.025	0.135	0.070	0.160	0.095	0.205
LTE B5	Ant.0	N7	Ant.6	Front Side 10mm	0.148	0.065	0.213	0.050	0.240	0.082	0.503	0.345	0.535
				Back Side 10mm	0.119	0.103	0.222	0.038	0.274	0.108	0.534	0.368	0.604
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.203	0.062	0.265	0.062	0.000	0.017	0.327	0.344	0.282
				Top Edge 10mm	0.023	0.000	0.023	0.077	0.188	0.221	0.288	0.321	0.432
				Bottom Edge 10mm	0.000	0.150	0.150	0.025	0.135	0.070	0.310	0.245	0.355
LTE B5	Ant.1	N7	Ant.0	Front Side 10mm	0.113	0.167	0.280	0.050	0.240	0.082	0.570	0.412	0.602
				Back Side 10mm	0.120	0.111	0.231	0.038	0.274	0.108	0.543	0.377	0.613
				Left Edge 10mm	0.080	0.000	0.080	0.067	0.091	0.018	0.238	0.165	0.189
				Right Edge 10mm	0.000	0.248	0.248	0.062	0.000	0.017	0.310	0.327	0.265
				Top Edge 10mm	0.000	0.061	0.061	0.077	0.188	0.221	0.326	0.359	0.470
				Bottom Edge 10mm	0.089	0.000	0.089	0.025	0.135	0.070	0.249	0.184	0.294
LTE B66	Ant.6	N7	Ant.6	Front Side 10mm	0.018	0.065	0.083	0.050	0.240	0.082	0.373	0.215	0.405
				Back Side 10mm	0.054	0.103	0.157	0.038	0.274	0.108	0.469	0.303	0.539
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.030	0.062	0.092	0.062	0.000	0.017	0.154	0.171	0.109
				Top Edge 10mm	0.000	0.000	0.000	0.077	0.188	0.221	0.265	0.298	0.409
				Bottom Edge 10mm	0.042	0.150	0.192	0.025	0.135	0.070	0.352	0.287	0.397
LTE B66	Ant.6	N7	Ant.0	Front Side 10mm	0.018	0.167	0.185	0.050	0.240	0.082	0.475	0.317	0.507
				Back Side 10mm	0.054	0.111	0.165	0.038	0.274	0.108	0.477	0.311	0.547
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.030	0.248	0.278	0.062	0.000	0.017	0.340	0.357	0.295
				Top Edge 10mm	0.000	0.061	0.061	0.077	0.188	0.221	0.326	0.359	0.470
				Bottom Edge 10mm	0.042	0.000	0.042	0.025	0.135	0.070	0.202	0.137	0.247
LTE B66	Ant.0	N7	Ant.6	Front Side 10mm	0.026	0.065	0.091	0.050	0.240	0.082	0.381	0.223	0.413
				Back Side 10mm	0.012	0.103	0.115	0.038	0.274	0.108	0.427	0.261	0.497
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.032	0.062	0.094	0.062	0.000	0.017	0.156	0.173	0.111
				Top Edge 10mm	0.010	0.000	0.010	0.077	0.188	0.221	0.275	0.308	0.419
				Bottom Edge 10mm	0.000	0.150	0.150	0.025	0.135	0.070	0.310	0.245	0.355
LTE B66	Ant.0	N7	Ant.0	Front Side 10mm	0.026	0.167	0.193	0.050	0.240	0.082	0.483	0.325	0.515
				Back Side 10mm	0.012	0.111	0.123	0.038	0.274	0.108	0.435	0.269	0.505
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.032	0.248	0.280	0.062	0.000	0.017	0.342	0.359	0.297
				Top Edge 10mm	0.010	0.061	0.071	0.077	0.188	0.221	0.336	0.369	0.480
				Bottom Edge 10mm	0.000	0.000	0.000	0.025	0.135	0.070	0.160	0.095	0.205
LTE B4	Ant.4		Ant.6	Front Side 10mm	0.037	0.082	0.119	0.050	0.240	0.082	0.409	0.251	0.441

		N38		Back Side 10mm	0.040	0.120	0.160	0.038	0.274	0.108	0.472	0.306	0.542
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.025	0.041	0.066	0.062	0.000	0.017	0.128	0.145	0.083
				Top Edge 10mm	0.097	0.000	0.097	0.077	0.188	0.221	0.362	0.395	0.506
				Bottom Edge 10mm	0.000	0.161	0.161	0.025	0.135	0.070	0.321	0.256	0.366
LTE B4	Ant.4	N38	Ant.0	Front Side 10mm	0.037	0.154	0.191	0.050	0.240	0.082	0.481	0.323	0.513
				Back Side 10mm	0.040	0.102	0.142	0.038	0.274	0.108	0.454	0.288	0.524
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.025	0.233	0.258	0.062	0.000	0.017	0.320	0.337	0.275
				Top Edge 10mm	0.097	0.063	0.160	0.077	0.188	0.221	0.425	0.458	0.569
				Bottom Edge 10mm	0.000	0.063	0.063	0.025	0.135	0.070	0.223	0.158	0.268
LTE B4	Ant.5	N38	Ant.6	Front Side 10mm	0.069	0.082	0.151	0.050	0.240	0.082	0.441	0.283	0.473
				Back Side 10mm	0.077	0.120	0.197	0.038	0.274	0.108	0.509	0.343	0.579
				Left Edge 10mm	0.106	0.000	0.106	0.067	0.091	0.018	0.264	0.191	0.215
				Right Edge 10mm	0.000	0.041	0.041	0.062	0.000	0.017	0.103	0.120	0.058
				Top Edge 10mm	0.000	0.000	0.000	0.077	0.188	0.221	0.265	0.298	0.409
				Bottom Edge 10mm	0.000	0.161	0.161	0.025	0.135	0.070	0.321	0.256	0.366
LTE B4	Ant.5	N38	Ant.0	Front Side 10mm	0.069	0.154	0.223	0.050	0.240	0.082	0.513	0.355	0.545
				Back Side 10mm	0.077	0.102	0.179	0.038	0.274	0.108	0.491	0.325	0.561
				Left Edge 10mm	0.106	0.000	0.106	0.067	0.091	0.018	0.264	0.191	0.215
				Right Edge 10mm	0.000	0.233	0.233	0.062	0.000	0.017	0.295	0.312	0.250
				Top Edge 10mm	0.000	0.063	0.063	0.077	0.188	0.221	0.328	0.361	0.472
				Bottom Edge 10mm	0.000	0.063	0.063	0.025	0.135	0.070	0.223	0.158	0.268
LTE B5	ANT1	N38	ANT0	Front Side 10mm	0.113	0.154	0.267	0.050	0.240	0.082	0.557	0.399	0.589
				Back Side 10mm	0.120	0.102	0.222	0.038	0.274	0.108	0.534	0.368	0.604
				Left Edge 10mm	0.080	0.000	0.080	0.067	0.091	0.018	0.238	0.165	0.189
				Right Edge 10mm	0.000	0.233	0.233	0.062	0.000	0.017	0.295	0.312	0.250
				Top Edge 10mm	0.000	0.063	0.063	0.077	0.188	0.221	0.328	0.361	0.472
				Bottom Edge 10mm	0.089	0.063	0.152	0.025	0.135	0.070	0.312	0.247	0.357
LTE B5	ANT1	N38	ANT6	Front Side 10mm	0.113	0.082	0.195	0.050	0.240	0.082	0.485	0.327	0.517
				Back Side 10mm	0.120	0.120	0.240	0.038	0.274	0.108	0.552	0.386	0.622
				Left Edge 10mm	0.080	0.000	0.080	0.067	0.091	0.018	0.238	0.165	0.189
				Right Edge 10mm	0.000	0.041	0.041	0.062	0.000	0.017	0.103	0.120	0.058
				Top Edge 10mm	0.000	0.000	0.000	0.077	0.188	0.221	0.265	0.298	0.409
				Bottom Edge 10mm	0.089	0.161	0.250	0.025	0.135	0.070	0.410	0.345	0.455
LTE B5	ANT0	N38	ANT6	Front Side 10mm	0.148	0.082	0.230	0.050	0.240	0.082	0.520	0.362	0.552
				Back Side 10mm	0.119	0.120	0.239	0.038	0.274	0.108	0.551	0.385	0.621
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.203	0.041	0.244	0.062	0.000	0.017	0.306	0.323	0.261
				Top Edge 10mm	0.023	0.000	0.023	0.077	0.188	0.221	0.288	0.321	0.432
				Bottom Edge 10mm	0.000	0.161	0.161	0.025	0.135	0.070	0.321	0.256	0.366
LTE B66	Ant.4	N38	Ant.6	Front Side 10mm	0.038	0.082	0.120	0.050	0.240	0.082	0.410	0.252	0.442
				Back Side 10mm	0.029	0.120	0.149	0.038	0.274	0.108	0.461	0.295	0.531

				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.018	0.041	0.059	0.062	0.000	0.017	0.121	0.138	0.076
				Top Edge 10mm	0.086	0.000	0.086	0.077	0.188	0.221	0.351	0.384	0.495
				Bottom Edge 10mm	0.062	0.161	0.223	0.025	0.135	0.070	0.383	0.318	0.428
LTE B66	Ant.4	N38	Ant.0	Front Side 10mm	0.038	0.154	0.192	0.050	0.240	0.082	0.482	0.324	0.514
				Back Side 10mm	0.029	0.102	0.131	0.038	0.274	0.108	0.443	0.277	0.513
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.018	0.233	0.251	0.062	0.000	0.017	0.313	0.330	0.268
				Top Edge 10mm	0.086	0.063	0.149	0.077	0.188	0.221	0.414	0.447	0.558
				Bottom Edge 10mm	0.062	0.063	0.125	0.025	0.135	0.070	0.285	0.220	0.330
LTE B66	Ant.5	N38	Ant.6	Front Side 10mm	0.034	0.082	0.116	0.050	0.240	0.082	0.406	0.248	0.438
				Back Side 10mm	0.021	0.120	0.141	0.038	0.274	0.108	0.453	0.287	0.523
				Left Edge 10mm	0.039	0.000	0.039	0.067	0.091	0.018	0.197	0.124	0.148
				Right Edge 10mm	0.013	0.041	0.054	0.062	0.000	0.017	0.116	0.133	0.071
				Top Edge 10mm	0.000	0.000	0.000	0.077	0.188	0.221	0.265	0.298	0.409
				Bottom Edge 10mm	0.000	0.161	0.161	0.025	0.135	0.070	0.321	0.256	0.366
LTE B66	Ant.5	N38	Ant.0	Front Side 10mm	0.034	0.154	0.188	0.050	0.240	0.082	0.478	0.320	0.510
				Back Side 10mm	0.021	0.102	0.123	0.038	0.274	0.108	0.435	0.269	0.505
				Left Edge 10mm	0.039	0.000	0.039	0.067	0.091	0.018	0.197	0.124	0.148
				Right Edge 10mm	0.013	0.233	0.246	0.062	0.000	0.017	0.308	0.325	0.263
				Top Edge 10mm	0.000	0.063	0.063	0.077	0.188	0.221	0.328	0.361	0.472
				Bottom Edge 10mm	0.000	0.063	0.063	0.025	0.135	0.070	0.223	0.158	0.268
LTE B4	Ant.4	N41	Ant.6	Front Side 10mm	0.080	0.094	0.174	0.050	0.240	0.082	0.464	0.306	0.496
				Back Side 10mm	0.086	0.128	0.214	0.038	0.274	0.108	0.526	0.360	0.596
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.054	0.044	0.098	0.062	0.000	0.017	0.160	0.177	0.115
				Top Edge 10mm	0.207	0.000	0.207	0.077	0.188	0.221	0.472	0.505	0.616
				Bottom Edge 10mm	0.000	0.163	0.163	0.025	0.135	0.070	0.323	0.258	0.368
LTE B4	Ant.4	N41	Ant.0	Front Side 10mm	0.080	0.207	0.287	0.050	0.240	0.082	0.577	0.419	0.609
				Back Side 10mm	0.086	0.136	0.222	0.038	0.274	0.108	0.534	0.368	0.604
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.054	0.307	0.361	0.062	0.000	0.017	0.423	0.440	0.378
				Top Edge 10mm	0.207	0.065	0.272	0.077	0.188	0.221	0.537	0.570	0.681
				Bottom Edge 10mm	0.000	0.054	0.054	0.025	0.135	0.070	0.214	0.149	0.259
LTE B4	Ant.5	N41	Ant.6	Front Side 10mm	0.118	0.094	0.212	0.050	0.240	0.082	0.502	0.344	0.534
				Back Side 10mm	0.130	0.128	0.258	0.038	0.274	0.108	0.570	0.404	0.640
				Left Edge 10mm	0.179	0.000	0.179	0.067	0.091	0.018	0.337	0.264	0.288
				Right Edge 10mm	0.000	0.044	0.044	0.062	0.000	0.017	0.106	0.123	0.061
				Top Edge 10mm	0.000	0.000	0.000	0.077	0.188	0.221	0.265	0.298	0.409
				Bottom Edge 10mm	0.000	0.163	0.163	0.025	0.135	0.070	0.323	0.258	0.368
LTE B4	Ant.5	N41	Ant.0	Front Side 10mm	0.118	0.207	0.325	0.050	0.240	0.082	0.615	0.457	0.647
				Back Side 10mm	0.130	0.136	0.266	0.038	0.274	0.108	0.578	0.412	0.648
				Left Edge 10mm	0.179	0.000	0.179	0.067	0.091	0.018	0.337	0.264	0.288

				Right Edge 10mm	0.000	0.307	0.307	0.062	0.000	0.017	0.369	0.386	0.324
				Top Edge 10mm	0.000	0.065	0.065	0.077	0.188	0.221	0.330	0.363	0.474
				Bottom Edge 10mm	0.000	0.054	0.054	0.025	0.135	0.070	0.214	0.149	0.259
LTE B66	Ant.4	N41	Ant.6	Front Side 10mm	0.038	0.094	0.132	0.050	0.240	0.082	0.422	0.264	0.454
				Back Side 10mm	0.029	0.128	0.157	0.038	0.274	0.108	0.469	0.303	0.539
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.018	0.044	0.062	0.062	0.000	0.017	0.124	0.141	0.079
				Top Edge 10mm	0.086	0.000	0.086	0.077	0.188	0.221	0.351	0.384	0.495
				Bottom Edge 10mm	0.062	0.163	0.225	0.025	0.135	0.070	0.385	0.320	0.430
LTE B66	Ant.4	N41	Ant.0	Front Side 10mm	0.038	0.207	0.245	0.050	0.240	0.082	0.535	0.377	0.567
				Back Side 10mm	0.029	0.136	0.165	0.038	0.274	0.108	0.477	0.311	0.547
				Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
				Right Edge 10mm	0.018	0.307	0.325	0.062	0.000	0.017	0.387	0.404	0.342
				Top Edge 10mm	0.086	0.065	0.151	0.077	0.188	0.221	0.416	0.449	0.560
				Bottom Edge 10mm	0.062	0.054	0.116	0.025	0.135	0.070	0.276	0.211	0.321
LTE B66	Ant.5	N41	Ant.6	Front Side 10mm	0.034	0.094	0.128	0.050	0.240	0.082	0.418	0.260	0.450
				Back Side 10mm	0.021	0.128	0.149	0.038	0.274	0.108	0.461	0.295	0.531
				Left Edge 10mm	0.039	0.000	0.039	0.067	0.091	0.018	0.197	0.124	0.148
				Right Edge 10mm	0.013	0.044	0.057	0.062	0.000	0.017	0.119	0.136	0.074
				Top Edge 10mm	0.000	0.000	0.000	0.077	0.188	0.221	0.265	0.298	0.409
				Bottom Edge 10mm	0.000	0.163	0.163	0.025	0.135	0.070	0.323	0.258	0.368
LTE B66	Ant.5	N41	Ant.0	Front Side 10mm	0.034	0.207	0.241	0.050	0.240	0.082	0.531	0.373	0.563
				Back Side 10mm	0.021	0.136	0.157	0.038	0.274	0.108	0.469	0.303	0.539
				Left Edge 10mm	0.039	0.000	0.039	0.067	0.091	0.018	0.197	0.124	0.148
				Right Edge 10mm	0.013	0.307	0.320	0.062	0.000	0.017	0.382	0.399	0.337
				Top Edge 10mm	0.000	0.065	0.065	0.077	0.188	0.221	0.330	0.363	0.474
				Bottom Edge 10mm	0.000	0.054	0.054	0.025	0.135	0.070	0.214	0.149	0.259

NR Band	NR Antenna	Position	Stand alone SAR						SUM SAR		
					1	2	3	4			
			LTE ENDC	NR NSA	ENDC	2.4GWIFI (MAX)	Max.5GWIFI (MAX)	Bluetooth Max	Sum SAR （1+2+3）	Sum SAR （1+2+4）	Sum SAR （1+3+4）
			STATE4	STATE4	STATE4	L12&13	L12&13	L8			
N5	ANT0	Front Side 10mm	0.071	0.158	0.229	0.050	0.240	0.082	0.519	0.361	0.551
		Back Side 10mm	0.117	0.113	0.230	0.038	0.274	0.108	0.542	0.376	0.612
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.060	0.169	0.229	0.062	0.000	0.017	0.291	0.308	0.246
		Top Edge 10mm	0.000	0.003	0.003	0.077	0.188	0.221	0.268	0.301	0.412
		Bottom Edge 10mm	0.180	0.000	0.180	0.025	0.135	0.070	0.340	0.275	0.385
N5	ANT1	Front Side 10mm	0.071	0.083	0.154	0.050	0.240	0.082	0.444	0.286	0.476
		Back Side 10mm	0.117	0.082	0.199	0.038	0.274	0.108	0.511	0.345	0.581
		Left Edge 10mm	0.000	0.055	0.055	0.067	0.091	0.018	0.213	0.140	0.164
		Right Edge 10mm	0.060	0.000	0.060	0.062	0.000	0.017	0.122	0.139	0.077
		Top Edge 10mm	0.000	0.004	0.004	0.077	0.188	0.221	0.269	0.302	0.413
		Bottom Edge 10mm	0.180	0.094	0.274	0.025	0.135	0.070	0.434	0.369	0.479
N5	ANT1	Front Side 10mm	0.197	0.083	0.280	0.050	0.240	0.082	0.570	0.412	0.602
		Back Side 10mm	0.126	0.082	0.208	0.038	0.274	0.108	0.520	0.354	0.590
		Left Edge 10mm	0.000	0.055	0.055	0.067	0.091	0.018	0.213	0.140	0.164
		Right Edge 10mm	0.137	0.000	0.137	0.062	0.000	0.017	0.199	0.216	0.154
		Top Edge 10mm	0.034	0.004	0.038	0.077	0.188	0.221	0.303	0.336	0.447
		Bottom Edge 10mm	0.000	0.094	0.094	0.025	0.135	0.070	0.254	0.189	0.299
N7	Ant.6	Front Side 10mm	0.087	0.065	0.152	0.050	0.240	0.082	0.442	0.284	0.474
		Back Side 10mm	0.073	0.103	0.176	0.038	0.274	0.108	0.488	0.322	0.558
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.051	0.062	0.113	0.062	0.000	0.017	0.175	0.192	0.130
		Top Edge 10mm	0.225	0.000	0.225	0.077	0.188	0.221	0.490	0.523	0.634
		Bottom Edge 10mm	0.200	0.150	0.350	0.025	0.135	0.070	0.510	0.445	0.555
N7	Ant.0	Front Side 10mm	0.087	0.167	0.254	0.050	0.240	0.082	0.544	0.386	0.576

		Back Side 10mm	0.073	0.111	0.184	0.038	0.274	0.108	0.496	0.330	0.566
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.051	0.248	0.299	0.062	0.000	0.017	0.361	0.378	0.316
		Top Edge 10mm	0.225	0.061	0.286	0.077	0.188	0.221	0.551	0.584	0.695
		Bottom Edge 10mm	0.200	0.000	0.200	0.025	0.135	0.070	0.360	0.295	0.405
N7	Ant.6	Front Side 10mm	0.092	0.065	0.157	0.050	0.240	0.082	0.447	0.289	0.479
		Back Side 10mm	0.103	0.103	0.206	0.038	0.274	0.108	0.518	0.352	0.588
		Left Edge 10mm	0.170	0.000	0.170	0.067	0.091	0.018	0.328	0.255	0.279
		Right Edge 10mm	0.035	0.062	0.097	0.062	0.000	0.017	0.159	0.176	0.114
		Top Edge 10mm	0.000	0.000	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.150	0.150	0.025	0.135	0.070	0.310	0.245	0.355
N7	Ant.0	Front Side 10mm	0.092	0.167	0.259	0.050	0.240	0.082	0.549	0.391	0.581
		Back Side 10mm	0.103	0.111	0.214	0.038	0.274	0.108	0.526	0.360	0.596
		Left Edge 10mm	0.170	0.000	0.170	0.067	0.091	0.018	0.328	0.255	0.279
		Right Edge 10mm	0.035	0.248	0.283	0.062	0.000	0.017	0.345	0.362	0.300
		Top Edge 10mm	0.000	0.061	0.061	0.077	0.188	0.221	0.326	0.359	0.470
		Bottom Edge 10mm	0.000	0.000	0.000	0.025	0.135	0.070	0.160	0.095	0.205
N7	Ant.4	Front Side 10mm	0.029	0.209	0.238	0.050	0.240	0.082	0.528	0.370	0.560
		Back Side 10mm	0.068	0.180	0.248	0.038	0.274	0.108	0.560	0.394	0.630
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.040	0.196	0.236	0.062	0.000	0.017	0.298	0.315	0.253
		Top Edge 10mm	0.000	0.404	0.404	0.077	0.188	0.221	0.669	0.702	0.813
		Bottom Edge 10mm	0.077	0.259	0.336	0.025	0.135	0.070	0.496	0.431	0.541
N7	Ant.5	Front Side 10mm	0.029	0.192	0.221	0.050	0.240	0.082	0.511	0.353	0.543
		Back Side 10mm	0.068	0.208	0.276	0.038	0.274	0.108	0.588	0.422	0.658
		Left Edge 10mm	0.000	0.283	0.283	0.067	0.091	0.018	0.441	0.368	0.392
		Right Edge 10mm	0.040	0.000	0.040	0.062	0.000	0.017	0.102	0.119	0.057
		Top Edge 10mm	0.000	0.030	0.030	0.077	0.188	0.221	0.295	0.328	0.439
		Bottom Edge 10mm	0.077	0.000	0.077	0.025	0.135	0.070	0.237	0.172	0.282

N7	Ant.4	Front Side 10mm	0.024	0.209	0.233	0.050	0.240	0.082	0.523	0.365	0.555
		Back Side 10mm	0.018	0.180	0.198	0.038	0.274	0.108	0.510	0.344	0.580
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.028	0.196	0.224	0.062	0.000	0.017	0.286	0.303	0.241
		Top Edge 10mm	0.007	0.404	0.411	0.077	0.188	0.221	0.676	0.709	0.820
		Bottom Edge 10mm	0.000	0.259	0.259	0.025	0.135	0.070	0.419	0.354	0.464
N7	Ant.5	Front Side 10mm	0.024	0.192	0.216	0.050	0.240	0.082	0.506	0.348	0.538
		Back Side 10mm	0.018	0.208	0.226	0.038	0.274	0.108	0.538	0.372	0.608
		Left Edge 10mm	0.000	0.283	0.283	0.067	0.091	0.018	0.441	0.368	0.392
		Right Edge 10mm	0.028	0.000	0.028	0.062	0.000	0.017	0.090	0.107	0.045
		Top Edge 10mm	0.007	0.030	0.037	0.077	0.188	0.221	0.302	0.335	0.446
		Bottom Edge 10mm	0.000	0.000	0.000	0.025	0.135	0.070	0.160	0.095	0.205
N7	Ant.6	Front Side 10mm	0.148	0.065	0.213	0.050	0.240	0.082	0.503	0.345	0.535
		Back Side 10mm	0.119	0.103	0.222	0.038	0.274	0.108	0.534	0.368	0.604
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.203	0.062	0.265	0.062	0.000	0.017	0.327	0.344	0.282
		Top Edge 10mm	0.023	0.000	0.023	0.077	0.188	0.221	0.288	0.321	0.432
		Bottom Edge 10mm	0.000	0.150	0.150	0.025	0.135	0.070	0.310	0.245	0.355
N7	Ant.0	Front Side 10mm	0.113	0.167	0.280	0.050	0.240	0.082	0.570	0.412	0.602
		Back Side 10mm	0.120	0.111	0.231	0.038	0.274	0.108	0.543	0.377	0.613
		Left Edge 10mm	0.080	0.000	0.080	0.067	0.091	0.018	0.238	0.165	0.189
		Right Edge 10mm	0.000	0.248	0.248	0.062	0.000	0.017	0.310	0.327	0.265
		Top Edge 10mm	0.000	0.061	0.061	0.077	0.188	0.221	0.326	0.359	0.470
		Bottom Edge 10mm	0.089	0.000	0.089	0.025	0.135	0.070	0.249	0.184	0.294
N7	Ant.6	Front Side 10mm	0.018	0.065	0.083	0.050	0.240	0.082	0.373	0.215	0.405
		Back Side 10mm	0.054	0.103	0.157	0.038	0.274	0.108	0.469	0.303	0.539
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.030	0.062	0.092	0.062	0.000	0.017	0.154	0.171	0.109
		Top Edge 10mm	0.000	0.000	0.000	0.077	0.188	0.221	0.265	0.298	0.409

		Bottom Edge 10mm	0.042	0.150	0.192	0.025	0.135	0.070	0.352	0.287	0.397
N7	Ant.0	Front Side 10mm	0.018	0.167	0.185	0.050	0.240	0.082	0.475	0.317	0.507
		Back Side 10mm	0.054	0.111	0.165	0.038	0.274	0.108	0.477	0.311	0.547
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.030	0.248	0.278	0.062	0.000	0.017	0.340	0.357	0.295
		Top Edge 10mm	0.000	0.061	0.061	0.077	0.188	0.221	0.326	0.359	0.470
		Bottom Edge 10mm	0.042	0.000	0.042	0.025	0.135	0.070	0.202	0.137	0.247
N7	Ant.6	Front Side 10mm	0.026	0.065	0.091	0.050	0.240	0.082	0.381	0.223	0.413
		Back Side 10mm	0.012	0.103	0.115	0.038	0.274	0.108	0.427	0.261	0.497
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.032	0.062	0.094	0.062	0.000	0.017	0.156	0.173	0.111
		Top Edge 10mm	0.010	0.000	0.010	0.077	0.188	0.221	0.275	0.308	0.419
		Bottom Edge 10mm	0.000	0.150	0.150	0.025	0.135	0.070	0.310	0.245	0.355
N7	Ant.0	Front Side 10mm	0.026	0.167	0.193	0.050	0.240	0.082	0.483	0.325	0.515
		Back Side 10mm	0.012	0.111	0.123	0.038	0.274	0.108	0.435	0.269	0.505
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.032	0.248	0.280	0.062	0.000	0.017	0.342	0.359	0.297
		Top Edge 10mm	0.010	0.061	0.071	0.077	0.188	0.221	0.336	0.369	0.480
		Bottom Edge 10mm	0.000	0.000	0.000	0.025	0.135	0.070	0.160	0.095	0.205
N38	Ant.6	Front Side 10mm	0.037	0.082	0.119	0.050	0.240	0.082	0.409	0.251	0.441
		Back Side 10mm	0.040	0.120	0.160	0.038	0.274	0.108	0.472	0.306	0.542
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.025	0.041	0.066	0.062	0.000	0.017	0.128	0.145	0.083
		Top Edge 10mm	0.097	0.000	0.097	0.077	0.188	0.221	0.362	0.395	0.506
		Bottom Edge 10mm	0.000	0.161	0.161	0.025	0.135	0.070	0.321	0.256	0.366
N38	Ant.0	Front Side 10mm	0.037	0.154	0.191	0.050	0.240	0.082	0.481	0.323	0.513
		Back Side 10mm	0.040	0.102	0.142	0.038	0.274	0.108	0.454	0.288	0.524
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109

		Right Edge 10mm	0.025	0.233	0.258	0.062	0.000	0.017	0.320	0.337	0.275
		Top Edge 10mm	0.097	0.063	0.160	0.077	0.188	0.221	0.425	0.458	0.569
		Bottom Edge 10mm	0.000	0.063	0.063	0.025	0.135	0.070	0.223	0.158	0.268
N38	Ant.6	Front Side 10mm	0.069	0.082	0.151	0.050	0.240	0.082	0.441	0.283	0.473
		Back Side 10mm	0.077	0.120	0.197	0.038	0.274	0.108	0.509	0.343	0.579
		Left Edge 10mm	0.106	0.000	0.106	0.067	0.091	0.018	0.264	0.191	0.215
		Right Edge 10mm	0.000	0.041	0.041	0.062	0.000	0.017	0.103	0.120	0.058
		Top Edge 10mm	0.000	0.000	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.161	0.161	0.025	0.135	0.070	0.321	0.256	0.366
N38	Ant.0	Front Side 10mm	0.069	0.154	0.223	0.050	0.240	0.082	0.513	0.355	0.545
		Back Side 10mm	0.077	0.102	0.179	0.038	0.274	0.108	0.491	0.325	0.561
		Left Edge 10mm	0.106	0.000	0.106	0.067	0.091	0.018	0.264	0.191	0.215
		Right Edge 10mm	0.000	0.233	0.233	0.062	0.000	0.017	0.295	0.312	0.250
		Top Edge 10mm	0.000	0.063	0.063	0.077	0.188	0.221	0.328	0.361	0.472
		Bottom Edge 10mm	0.000	0.063	0.063	0.025	0.135	0.070	0.223	0.158	0.268
N38	ANT0	Front Side 10mm	0.113	0.154	0.267	0.050	0.240	0.082	0.557	0.399	0.589
		Back Side 10mm	0.120	0.102	0.222	0.038	0.274	0.108	0.534	0.368	0.604
		Left Edge 10mm	0.080	0.000	0.080	0.067	0.091	0.018	0.238	0.165	0.189
		Right Edge 10mm	0.000	0.233	0.233	0.062	0.000	0.017	0.295	0.312	0.250
		Top Edge 10mm	0.000	0.063	0.063	0.077	0.188	0.221	0.328	0.361	0.472
		Bottom Edge 10mm	0.089	0.063	0.152	0.025	0.135	0.070	0.312	0.247	0.357
N38	ANT6	Front Side 10mm	0.113	0.082	0.195	0.050	0.240	0.082	0.485	0.327	0.517
		Back Side 10mm	0.120	0.120	0.240	0.038	0.274	0.108	0.552	0.386	0.622
		Left Edge 10mm	0.080	0.000	0.080	0.067	0.091	0.018	0.238	0.165	0.189
		Right Edge 10mm	0.000	0.041	0.041	0.062	0.000	0.017	0.103	0.120	0.058
		Top Edge 10mm	0.000	0.000	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.089	0.161	0.250	0.025	0.135	0.070	0.410	0.345	0.455
N38	ANT6	Front Side 10mm	0.148	0.082	0.230	0.050	0.240	0.082	0.520	0.362	0.552

		Back Side 10mm	0.119	0.120	0.239	0.038	0.274	0.108	0.551	0.385	0.621
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.203	0.041	0.244	0.062	0.000	0.017	0.306	0.323	0.261
		Top Edge 10mm	0.023	0.000	0.023	0.077	0.188	0.221	0.288	0.321	0.432
		Bottom Edge 10mm	0.000	0.161	0.161	0.025	0.135	0.070	0.321	0.256	0.366
N38	Ant.6	Front Side 10mm	0.038	0.082	0.120	0.050	0.240	0.082	0.410	0.252	0.442
		Back Side 10mm	0.029	0.120	0.149	0.038	0.274	0.108	0.461	0.295	0.531
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.018	0.041	0.059	0.062	0.000	0.017	0.121	0.138	0.076
		Top Edge 10mm	0.086	0.000	0.086	0.077	0.188	0.221	0.351	0.384	0.495
		Bottom Edge 10mm	0.062	0.161	0.223	0.025	0.135	0.070	0.383	0.318	0.428
N38	Ant.0	Front Side 10mm	0.038	0.154	0.192	0.050	0.240	0.082	0.482	0.324	0.514
		Back Side 10mm	0.029	0.102	0.131	0.038	0.274	0.108	0.443	0.277	0.513
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.018	0.233	0.251	0.062	0.000	0.017	0.313	0.330	0.268
		Top Edge 10mm	0.086	0.063	0.149	0.077	0.188	0.221	0.414	0.447	0.558
		Bottom Edge 10mm	0.062	0.063	0.125	0.025	0.135	0.070	0.285	0.220	0.330
N38	Ant.6	Front Side 10mm	0.034	0.082	0.116	0.050	0.240	0.082	0.406	0.248	0.438
		Back Side 10mm	0.021	0.120	0.141	0.038	0.274	0.108	0.453	0.287	0.523
		Left Edge 10mm	0.039	0.000	0.039	0.067	0.091	0.018	0.197	0.124	0.148
		Right Edge 10mm	0.013	0.041	0.054	0.062	0.000	0.017	0.116	0.133	0.071
		Top Edge 10mm	0.000	0.000	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.161	0.161	0.025	0.135	0.070	0.321	0.256	0.366
N38	Ant.0	Front Side 10mm	0.034	0.154	0.188	0.050	0.240	0.082	0.478	0.320	0.510
		Back Side 10mm	0.021	0.102	0.123	0.038	0.274	0.108	0.435	0.269	0.505
		Left Edge 10mm	0.039	0.000	0.039	0.067	0.091	0.018	0.197	0.124	0.148
		Right Edge 10mm	0.013	0.233	0.246	0.062	0.000	0.017	0.308	0.325	0.263
		Top Edge 10mm	0.000	0.063	0.063	0.077	0.188	0.221	0.328	0.361	0.472
		Bottom Edge 10mm	0.000	0.063	0.063	0.025	0.135	0.070	0.223	0.158	0.268

N41	Ant.6	Front Side 10mm	0.080	0.094	0.174	0.050	0.240	0.082	0.464	0.306	0.496
		Back Side 10mm	0.086	0.128	0.214	0.038	0.274	0.108	0.526	0.360	0.596
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.054	0.044	0.098	0.062	0.000	0.017	0.160	0.177	0.115
		Top Edge 10mm	0.207	0.000	0.207	0.077	0.188	0.221	0.472	0.505	0.616
		Bottom Edge 10mm	0.000	0.163	0.163	0.025	0.135	0.070	0.323	0.258	0.368
N41	Ant.0	Front Side 10mm	0.080	0.207	0.287	0.050	0.240	0.082	0.577	0.419	0.609
		Back Side 10mm	0.086	0.136	0.222	0.038	0.274	0.108	0.534	0.368	0.604
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.054	0.307	0.361	0.062	0.000	0.017	0.423	0.440	0.378
		Top Edge 10mm	0.207	0.065	0.272	0.077	0.188	0.221	0.537	0.570	0.681
		Bottom Edge 10mm	0.000	0.054	0.054	0.025	0.135	0.070	0.214	0.149	0.259
N41	Ant.6	Front Side 10mm	0.118	0.094	0.212	0.050	0.240	0.082	0.502	0.344	0.534
		Back Side 10mm	0.130	0.128	0.258	0.038	0.274	0.108	0.570	0.404	0.640
		Left Edge 10mm	0.179	0.000	0.179	0.067	0.091	0.018	0.337	0.264	0.288
		Right Edge 10mm	0.000	0.044	0.044	0.062	0.000	0.017	0.106	0.123	0.061
		Top Edge 10mm	0.000	0.000	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.163	0.163	0.025	0.135	0.070	0.323	0.258	0.368
N41	Ant.0	Front Side 10mm	0.118	0.207	0.325	0.050	0.240	0.082	0.615	0.457	0.647
		Back Side 10mm	0.130	0.136	0.266	0.038	0.274	0.108	0.578	0.412	0.648
		Left Edge 10mm	0.179	0.000	0.179	0.067	0.091	0.018	0.337	0.264	0.288
		Right Edge 10mm	0.000	0.307	0.307	0.062	0.000	0.017	0.369	0.386	0.324
		Top Edge 10mm	0.000	0.065	0.065	0.077	0.188	0.221	0.330	0.363	0.474
		Bottom Edge 10mm	0.000	0.054	0.054	0.025	0.135	0.070	0.214	0.149	0.259
N41	Ant.6	Front Side 10mm	0.038	0.094	0.132	0.050	0.240	0.082	0.422	0.264	0.454
		Back Side 10mm	0.029	0.128	0.157	0.038	0.274	0.108	0.469	0.303	0.539
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.018	0.044	0.062	0.062	0.000	0.017	0.124	0.141	0.079
		Top Edge 10mm	0.086	0.000	0.086	0.077	0.188	0.221	0.351	0.384	0.495

		Bottom Edge 10mm	0.062	0.163	0.225	0.025	0.135	0.070	0.385	0.320	0.430
N41	Ant.0	Front Side 10mm	0.038	0.207	0.245	0.050	0.240	0.082	0.535	0.377	0.567
		Back Side 10mm	0.029	0.136	0.165	0.038	0.274	0.108	0.477	0.311	0.547
		Left Edge 10mm	0.000	0.000	0.000	0.067	0.091	0.018	0.158	0.085	0.109
		Right Edge 10mm	0.018	0.307	0.325	0.062	0.000	0.017	0.387	0.404	0.342
		Top Edge 10mm	0.086	0.065	0.151	0.077	0.188	0.221	0.416	0.449	0.560
		Bottom Edge 10mm	0.062	0.054	0.116	0.025	0.135	0.070	0.276	0.211	0.321
N41	Ant.6	Front Side 10mm	0.034	0.094	0.128	0.050	0.240	0.082	0.418	0.260	0.450
		Back Side 10mm	0.021	0.128	0.149	0.038	0.274	0.108	0.461	0.295	0.531
		Left Edge 10mm	0.039	0.000	0.039	0.067	0.091	0.018	0.197	0.124	0.148
		Right Edge 10mm	0.013	0.044	0.057	0.062	0.000	0.017	0.119	0.136	0.074
		Top Edge 10mm	0.000	0.000	0.000	0.077	0.188	0.221	0.265	0.298	0.409
		Bottom Edge 10mm	0.000	0.163	0.163	0.025	0.135	0.070	0.323	0.258	0.368
N41	Ant.0	Front Side 10mm	0.034	0.207	0.241	0.050	0.240	0.082	0.531	0.373	0.563
		Back Side 10mm	0.021	0.136	0.157	0.038	0.274	0.108	0.469	0.303	0.539
		Left Edge 10mm	0.039	0.000	0.039	0.067	0.091	0.018	0.197	0.124	0.148
		Right Edge 10mm	0.013	0.307	0.320	0.062	0.000	0.017	0.382	0.399	0.337
		Top Edge 10mm	0.000	0.065	0.065	0.077	0.188	0.221	0.330	0.363	0.474
		Bottom Edge 10mm	0.000	0.054	0.054	0.025	0.135	0.070	0.214	0.149	0.259
Note: 1: The highest Summed 1g SAR is 0.820 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.											

13.3.18 Hotspot Simultaneous Transmission SAR Evaluation for EN DC Antenna with 2.4G WLAN and 5G WLAN or Bluetooth

Band	LTE Band	LTE Ant.	NR Band	NR Ant.	Position	Stand alone SAR						SUM SAR
								1	2	3	4	
						LTE ENDC	NR NSA	ENDC	2.4GWIFI(MAX)	Max.5GWIFI(MAX)	Bluetooth Max	Sum SAR（1+2+3+4）
						STATE4	STATE4	STATE4	L14	L14	L8	
		Ant.6	N5	ANT0	Front Side 10mm	0.071	0.158	0.229	0.028	0.126	0.082	0.465

ENDC_7A_n5A	LTE B7				Back Side 10mm	0.117	0.113	0.230	0.023	0.126	0.108	0.487
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.060	0.169	0.229	0.042	0.042	0.017	0.330
					Top Edge 10mm	0.000	0.003	0.003	0.050	0.087	0.221	0.361
					Bottom Edge 10mm	0.180	0.000	0.180	0.014	0.068	0.070	0.332
	LTE B7	Ant.6	N5	ANT1	Front Side 10mm	0.071	0.083	0.154	0.028	0.126	0.082	0.390
					Back Side 10mm	0.117	0.082	0.199	0.023	0.126	0.108	0.456
					Left Edge 10mm	0.000	0.055	0.055	0.042	0.042	0.018	0.157
					Right Edge 10mm	0.060	0.000	0.060	0.042	0.042	0.017	0.161
					Top Edge 10mm	0.000	0.004	0.004	0.050	0.087	0.221	0.362
					Bottom Edge 10mm	0.180	0.094	0.274	0.014	0.068	0.070	0.426
	LTE B7	Ant.0	N5	ANT1	Front Side 10mm	0.197	0.083	0.280	0.028	0.126	0.082	0.516
					Back Side 10mm	0.126	0.082	0.208	0.023	0.126	0.108	0.465
					Left Edge 10mm	0.000	0.055	0.055	0.042	0.042	0.018	0.157
					Right Edge 10mm	0.137	0.000	0.137	0.042	0.042	0.017	0.238
					Top Edge 10mm	0.034	0.004	0.038	0.050	0.087	0.221	0.396
					Bottom Edge 10mm	0.000	0.094	0.094	0.014	0.068	0.070	0.246
ENDC_2A_n7A	LTE B2	Ant.4	N7	Ant.6	Front Side 10mm	0.087	0.065	0.152	0.028	0.126	0.082	0.388
					Back Side 10mm	0.073	0.103	0.176	0.023	0.126	0.108	0.433
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.051	0.062	0.113	0.042	0.042	0.017	0.214
					Top Edge 10mm	0.225	0.000	0.225	0.050	0.087	0.221	0.583
					Bottom Edge 10mm	0.200	0.150	0.350	0.014	0.068	0.070	0.502
	LTE B2	Ant.4	N7	Ant.0	Front Side 10mm	0.087	0.167	0.254	0.028	0.126	0.082	0.490
					Back Side 10mm	0.073	0.111	0.184	0.023	0.126	0.108	0.441
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.051	0.248	0.299	0.042	0.042	0.017	0.400
					Top Edge 10mm	0.225	0.061	0.286	0.050	0.087	0.221	0.644
					Bottom Edge 10mm	0.200	0.000	0.200	0.014	0.068	0.070	0.352
	LTE B2	Ant.5	N7	Ant.6	Front Side 10mm	0.092	0.065	0.157	0.028	0.126	0.082	0.393
					Back Side 10mm	0.103	0.103	0.206	0.023	0.126	0.108	0.463
					Left Edge 10mm	0.170	0.000	0.170	0.042	0.042	0.018	0.272
					Right Edge 10mm	0.035	0.062	0.097	0.042	0.042	0.017	0.198
					Top Edge 10mm	0.000	0.000	0.000	0.050	0.087	0.221	0.358
					Bottom Edge 10mm	0.000	0.150	0.150	0.014	0.068	0.070	0.302
	LTE B2	Ant.5	N7	Ant.0	Front Side 10mm	0.092	0.167	0.259	0.028	0.126	0.082	0.495
					Back Side 10mm	0.103	0.111	0.214	0.023	0.126	0.108	0.471

					Left Edge 10mm	0.170	0.000	0.170	0.042	0.042	0.018	0.272
					Right Edge 10mm	0.035	0.248	0.283	0.042	0.042	0.017	0.384
					Top Edge 10mm	0.000	0.061	0.061	0.050	0.087	0.221	0.419
					Bottom Edge 10mm	0.000	0.000	0.000	0.014	0.068	0.070	0.152
ENDC_4A_n 7A	LTE B4	Ant.6	N7	Ant.4	Front Side 10mm	0.029	0.209	0.238	0.028	0.126	0.082	0.474
					Back Side 10mm	0.068	0.180	0.248	0.023	0.126	0.108	0.505
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.040	0.196	0.236	0.042	0.042	0.017	0.337
					Top Edge 10mm	0.000	0.404	0.404	0.050	0.087	0.221	0.762
					Bottom Edge 10mm	0.077	0.259	0.336	0.014	0.068	0.070	0.488
	LTE B4	Ant.6	N7	Ant.5	Front Side 10mm	0.029	0.192	0.221	0.028	0.126	0.082	0.457
					Back Side 10mm	0.068	0.208	0.276	0.023	0.126	0.108	0.533
					Left Edge 10mm	0.000	0.283	0.283	0.042	0.042	0.018	0.385
					Right Edge 10mm	0.040	0.000	0.040	0.042	0.042	0.017	0.141
					Top Edge 10mm	0.000	0.030	0.030	0.050	0.087	0.221	0.388
					Bottom Edge 10mm	0.077	0.000	0.077	0.014	0.068	0.070	0.229
	LTE B4	Ant.0	N7	Ant.4	Front Side 10mm	0.024	0.209	0.233	0.028	0.126	0.082	0.469
					Back Side 10mm	0.018	0.180	0.198	0.023	0.126	0.108	0.455
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.028	0.196	0.224	0.042	0.042	0.017	0.325
					Top Edge 10mm	0.007	0.404	0.411	0.050	0.087	0.221	0.769
					Bottom Edge 10mm	0.000	0.259	0.259	0.014	0.068	0.070	0.411
	LTE B4	Ant.0	N7	Ant.5	Front Side 10mm	0.024	0.192	0.216	0.028	0.126	0.082	0.452
					Back Side 10mm	0.018	0.208	0.226	0.023	0.126	0.108	0.483
					Left Edge 10mm	0.000	0.283	0.283	0.042	0.042	0.018	0.385
					Right Edge 10mm	0.028	0.000	0.028	0.042	0.042	0.017	0.129
					Top Edge 10mm	0.007	0.030	0.037	0.050	0.087	0.221	0.395
					Bottom Edge 10mm	0.000	0.000	0.000	0.014	0.068	0.070	0.152
ENDC_5A_n 7A	LTE B5	Ant.0	N7	Ant.6	Front Side 10mm	0.148	0.065	0.213	0.028	0.126	0.082	0.449
					Back Side 10mm	0.119	0.103	0.222	0.023	0.126	0.108	0.479
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.203	0.062	0.265	0.042	0.042	0.017	0.366
					Top Edge 10mm	0.023	0.000	0.023	0.050	0.087	0.221	0.381
					Bottom Edge 10mm	0.000	0.150	0.150	0.014	0.068	0.070	0.302
	LTE B5	Ant.1	N7	Ant.0	Front Side 10mm	0.113	0.167	0.280	0.028	0.126	0.082	0.516
					Back Side 10mm	0.120	0.111	0.231	0.023	0.126	0.108	0.488
					Left Edge 10mm	0.080	0.000	0.080	0.042	0.042	0.018	0.182

					Right Edge 10mm	0.000	0.248	0.248	0.042	0.042	0.017	0.349
					Top Edge 10mm	0.000	0.061	0.061	0.050	0.087	0.221	0.419
					Bottom Edge 10mm	0.089	0.000	0.089	0.014	0.068	0.070	0.241
ENDC_66A_n7A	LTE B66	Ant.6	N7	Ant.6	Front Side 10mm	0.018	0.065	0.083	0.028	0.126	0.082	0.319
					Back Side 10mm	0.054	0.103	0.157	0.023	0.126	0.108	0.414
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.030	0.062	0.092	0.042	0.042	0.017	0.193
					Top Edge 10mm	0.000	0.000	0.000	0.050	0.087	0.221	0.358
					Bottom Edge 10mm	0.042	0.150	0.192	0.014	0.068	0.070	0.344
	LTE B66	Ant.6	N7	Ant.0	Front Side 10mm	0.018	0.167	0.185	0.028	0.126	0.082	0.421
					Back Side 10mm	0.054	0.111	0.165	0.023	0.126	0.108	0.422
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.030	0.248	0.278	0.042	0.042	0.017	0.379
					Top Edge 10mm	0.000	0.061	0.061	0.050	0.087	0.221	0.419
					Bottom Edge 10mm	0.042	0.000	0.042	0.014	0.068	0.070	0.194
	LTE B66	Ant.0	N7	Ant.6	Front Side 10mm	0.026	0.065	0.091	0.028	0.126	0.082	0.327
					Back Side 10mm	0.012	0.103	0.115	0.023	0.126	0.108	0.372
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.032	0.062	0.094	0.042	0.042	0.017	0.195
					Top Edge 10mm	0.010	0.000	0.010	0.050	0.087	0.221	0.368
					Bottom Edge 10mm	0.000	0.150	0.150	0.014	0.068	0.070	0.302
	LTE B66	Ant.0	N7	Ant.0	Front Side 10mm	0.026	0.167	0.193	0.028	0.126	0.082	0.429
					Back Side 10mm	0.012	0.111	0.123	0.023	0.126	0.108	0.380
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.032	0.248	0.280	0.042	0.042	0.017	0.381
					Top Edge 10mm	0.010	0.061	0.071	0.050	0.087	0.221	0.429
					Bottom Edge 10mm	0.000	0.000	0.000	0.014	0.068	0.070	0.152
ENDC_4A_n38A	LTE B4	Ant.4	N38	Ant.6	Front Side 10mm	0.037	0.082	0.119	0.028	0.126	0.082	0.355
					Back Side 10mm	0.040	0.120	0.160	0.023	0.126	0.108	0.417
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.025	0.041	0.066	0.042	0.042	0.017	0.167
					Top Edge 10mm	0.097	0.000	0.097	0.050	0.087	0.221	0.455
					Bottom Edge 10mm	0.000	0.161	0.161	0.014	0.068	0.070	0.313
	LTE B4	Ant.4	N38	Ant.0	Front Side 10mm	0.037	0.154	0.191	0.028	0.126	0.082	0.427
					Back Side 10mm	0.040	0.102	0.142	0.023	0.126	0.108	0.399
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.025	0.233	0.258	0.042	0.042	0.017	0.359

					Top Edge 10mm	0.097	0.063	0.160	0.050	0.087	0.221	0.518
					Bottom Edge 10mm	0.000	0.063	0.063	0.014	0.068	0.070	0.215
	LTE B4	Ant.5	N38	Ant.6	Front Side 10mm	0.069	0.082	0.151	0.028	0.126	0.082	0.387
					Back Side 10mm	0.077	0.120	0.197	0.023	0.126	0.108	0.454
					Left Edge 10mm	0.106	0.000	0.106	0.042	0.042	0.018	0.208
					Right Edge 10mm	0.000	0.041	0.041	0.042	0.042	0.017	0.142
					Top Edge 10mm	0.000	0.000	0.000	0.050	0.087	0.221	0.358
					Bottom Edge 10mm	0.000	0.161	0.161	0.014	0.068	0.070	0.313
	LTE B4	Ant.5	N38	Ant.0	Front Side 10mm	0.069	0.154	0.223	0.028	0.126	0.082	0.459
					Back Side 10mm	0.077	0.102	0.179	0.023	0.126	0.108	0.436
					Left Edge 10mm	0.106	0.000	0.106	0.042	0.042	0.018	0.208
					Right Edge 10mm	0.000	0.233	0.233	0.042	0.042	0.017	0.334
					Top Edge 10mm	0.000	0.063	0.063	0.050	0.087	0.221	0.421
					Bottom Edge 10mm	0.000	0.063	0.063	0.014	0.068	0.070	0.215
ENDC_5A_n38A	LTE B5	ANT1	N38	ANT0	Front Side 10mm	0.113	0.154	0.267	0.028	0.126	0.082	0.503
					Back Side 10mm	0.120	0.102	0.222	0.023	0.126	0.108	0.479
					Left Edge 10mm	0.080	0.000	0.080	0.042	0.042	0.018	0.182
					Right Edge 10mm	0.000	0.233	0.233	0.042	0.042	0.017	0.334
					Top Edge 10mm	0.000	0.063	0.063	0.050	0.087	0.221	0.421
					Bottom Edge 10mm	0.089	0.063	0.152	0.014	0.068	0.070	0.304
	LTE B5	ANT1	N38	ANT6	Front Side 10mm	0.113	0.082	0.195	0.028	0.126	0.082	0.431
					Back Side 10mm	0.120	0.120	0.240	0.023	0.126	0.108	0.497
					Left Edge 10mm	0.080	0.000	0.080	0.042	0.042	0.018	0.182
					Right Edge 10mm	0.000	0.041	0.041	0.042	0.042	0.017	0.142
					Top Edge 10mm	0.000	0.000	0.000	0.050	0.087	0.221	0.358
					Bottom Edge 10mm	0.089	0.161	0.250	0.014	0.068	0.070	0.402
	LTE B5	ANT0	N38	ANT6	Front Side 10mm	0.148	0.082	0.230	0.028	0.126	0.082	0.466
					Back Side 10mm	0.119	0.120	0.239	0.023	0.126	0.108	0.496
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.203	0.041	0.244	0.042	0.042	0.017	0.345
					Top Edge 10mm	0.023	0.000	0.023	0.050	0.087	0.221	0.381
					Bottom Edge 10mm	0.000	0.161	0.161	0.014	0.068	0.070	0.313
ENDC_66A_n38A	LTE B66	Ant.4	N38	Ant.6	Front Side 10mm	0.038	0.082	0.120	0.028	0.126	0.082	0.356
					Back Side 10mm	0.029	0.120	0.149	0.023	0.126	0.108	0.406
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.018	0.041	0.059	0.042	0.042	0.017	0.160
					Top Edge 10mm	0.086	0.000	0.086	0.050	0.087	0.221	0.444

					Bottom Edge 10mm	0.062	0.161	0.223	0.014	0.068	0.070	0.375
	LTE B66	Ant.4	N38	Ant.0	Front Side 10mm	0.038	0.154	0.192	0.028	0.126	0.082	0.428
					Back Side 10mm	0.029	0.102	0.131	0.023	0.126	0.108	0.388
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.018	0.233	0.251	0.042	0.042	0.017	0.352
					Top Edge 10mm	0.086	0.063	0.149	0.050	0.087	0.221	0.507
					Bottom Edge 10mm	0.062	0.063	0.125	0.014	0.068	0.070	0.277
	LTE B66	Ant.5	N38	Ant.6	Front Side 10mm	0.034	0.082	0.116	0.028	0.126	0.082	0.352
					Back Side 10mm	0.021	0.120	0.141	0.023	0.126	0.108	0.398
					Left Edge 10mm	0.039	0.000	0.039	0.042	0.042	0.018	0.141
					Right Edge 10mm	0.013	0.041	0.054	0.042	0.042	0.017	0.155
					Top Edge 10mm	0.000	0.000	0.000	0.050	0.087	0.221	0.358
					Bottom Edge 10mm	0.000	0.161	0.161	0.014	0.068	0.070	0.313
	LTE B66	Ant.5	N38	Ant.0	Front Side 10mm	0.034	0.154	0.188	0.028	0.126	0.082	0.424
					Back Side 10mm	0.021	0.102	0.123	0.023	0.126	0.108	0.380
					Left Edge 10mm	0.039	0.000	0.039	0.042	0.042	0.018	0.141
					Right Edge 10mm	0.013	0.233	0.246	0.042	0.042	0.017	0.347
					Top Edge 10mm	0.000	0.063	0.063	0.050	0.087	0.221	0.421
					Bottom Edge 10mm	0.000	0.063	0.063	0.014	0.068	0.070	0.215
ENDC_4A_n41A	LTE B4	Ant.4	N41	Ant.6	Front Side 10mm	0.080	0.094	0.174	0.028	0.126	0.082	0.410
					Back Side 10mm	0.086	0.128	0.214	0.023	0.126	0.108	0.471
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.054	0.044	0.098	0.042	0.042	0.017	0.199
					Top Edge 10mm	0.207	0.000	0.207	0.050	0.087	0.221	0.565
					Bottom Edge 10mm	0.000	0.163	0.163	0.014	0.068	0.070	0.315
	LTE B4	Ant.4	N41	Ant.0	Front Side 10mm	0.080	0.207	0.287	0.028	0.126	0.082	0.523
					Back Side 10mm	0.086	0.136	0.222	0.023	0.126	0.108	0.479
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.054	0.307	0.361	0.042	0.042	0.017	0.462
					Top Edge 10mm	0.207	0.065	0.272	0.050	0.087	0.221	0.630
					Bottom Edge 10mm	0.000	0.054	0.054	0.014	0.068	0.070	0.206
	LTE B4	Ant.5	N41	Ant.6	Front Side 10mm	0.118	0.094	0.212	0.028	0.126	0.082	0.448
					Back Side 10mm	0.130	0.128	0.258	0.023	0.126	0.108	0.515
					Left Edge 10mm	0.179	0.000	0.179	0.042	0.042	0.018	0.281
					Right Edge 10mm	0.000	0.044	0.044	0.042	0.042	0.017	0.145
					Top Edge 10mm	0.000	0.000	0.000	0.050	0.087	0.221	0.358

					Bottom Edge 10mm	0.000	0.163	0.163	0.014	0.068	0.070	0.315
	LTE B4	Ant.5	N41	Ant.0	Front Side 10mm	0.118	0.207	0.325	0.028	0.126	0.082	0.561
					Back Side 10mm	0.130	0.136	0.266	0.023	0.126	0.108	0.523
					Left Edge 10mm	0.179	0.000	0.179	0.042	0.042	0.018	0.281
					Right Edge 10mm	0.000	0.307	0.307	0.042	0.042	0.017	0.408
					Top Edge 10mm	0.000	0.065	0.065	0.050	0.087	0.221	0.423
					Bottom Edge 10mm	0.000	0.054	0.054	0.014	0.068	0.070	0.206
ENDC_66A_n41A	LTE B66	Ant.4	N41	Ant.6	Front Side 10mm	0.038	0.094	0.132	0.028	0.126	0.082	0.368
					Back Side 10mm	0.029	0.128	0.157	0.023	0.126	0.108	0.414
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.018	0.044	0.062	0.042	0.042	0.017	0.163
					Top Edge 10mm	0.086	0.000	0.086	0.050	0.087	0.221	0.444
					Bottom Edge 10mm	0.062	0.163	0.225	0.014	0.068	0.070	0.377
	LTE B66	Ant.4	N41	Ant.0	Front Side 10mm	0.038	0.207	0.245	0.028	0.126	0.082	0.481
					Back Side 10mm	0.029	0.136	0.165	0.023	0.126	0.108	0.422
					Left Edge 10mm	0.000	0.000	0.000	0.042	0.042	0.018	0.102
					Right Edge 10mm	0.018	0.307	0.325	0.042	0.042	0.017	0.426
					Top Edge 10mm	0.086	0.065	0.151	0.050	0.087	0.221	0.509
					Bottom Edge 10mm	0.062	0.054	0.116	0.014	0.068	0.070	0.268
	LTE B66	Ant.5	N41	Ant.6	Front Side 10mm	0.034	0.094	0.128	0.028	0.126	0.082	0.364
					Back Side 10mm	0.021	0.128	0.149	0.023	0.126	0.108	0.406
					Left Edge 10mm	0.039	0.000	0.039	0.042	0.042	0.018	0.141
					Right Edge 10mm	0.013	0.044	0.057	0.042	0.042	0.017	0.158
					Top Edge 10mm	0.000	0.000	0.000	0.050	0.087	0.221	0.358
					Bottom Edge 10mm	0.000	0.163	0.163	0.014	0.068	0.070	0.315
	LTE B66	Ant.5	N41	Ant.0	Front Side 10mm	0.034	0.207	0.241	0.028	0.126	0.082	0.477
					Back Side 10mm	0.021	0.136	0.157	0.023	0.126	0.108	0.414
					Left Edge 10mm	0.039	0.000	0.039	0.042	0.042	0.018	0.141
					Right Edge 10mm	0.013	0.307	0.320	0.042	0.042	0.017	0.421
					Top Edge 10mm	0.000	0.065	0.065	0.050	0.087	0.221	0.423
					Bottom Edge 10mm	0.000	0.054	0.054	0.014	0.068	0.070	0.206

Note:

1: The highest Summed 1g SAR is 0.769 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.19 Head Simultaneous Transmission SAR Evaluation for EN DC Only

Band	LTE Band	LTE Antenna	NR Band	NR Antenna	Position	Stand alone SAR		SUM SAR
						1	2	1+2
						LTE NSA	NR NSA	SUM ENDC
						State3	State3	
ENDC_7A_n5A	LTE B7	Ant.6	N5	ANT0	Left Cheek	0.067	0.285	0.352
					Left Tilt	0.015	0.125	0.140
					Right Cheek	0.038	0.701	0.739
					Right Tilt	0.009	0.209	0.218
	LTE B7	Ant.6	N5	ANT1	Left Cheek	0.067	0.069	0.136
					Left Tilt	0.015	0.026	0.041
					Right Cheek	0.038	0.056	0.094
					Right Tilt	0.009	0.016	0.025
	LTE B7	Ant.0	N5	ANT1	Left Cheek	0.598	0.069	0.667
					Left Tilt	0.075	0.026	0.101
					Right Cheek	0.789	0.056	0.845
					Right Tilt	0.125	0.016	0.141
ENDC_2A_n5A	LTE B2	Ant.4	N7	Ant.6	Left Cheek	0.290	0.058	0.348
					Left Tilt	0.398	0.022	0.420
					Right Cheek	0.724	0.050	0.774
					Right Tilt	0.430	0.024	0.454
	LTE B2	Ant.4	N7	Ant.0	Left Cheek	0.290	0.505	0.795
					Left Tilt	0.398	0.055	0.453
					Right Cheek	0.724	0.713	1.437
					Right Tilt	0.430	0.096	0.526
	LTE B2	Ant.5	N7	Ant.6	Left Cheek	0.336	0.058	0.394
					Left Tilt	0.110	0.022	0.132
					Right Cheek	0.670	0.050	0.720
					Right Tilt	0.106	0.024	0.130
	LTE B2	Ant.5	N7	Ant.0	Left Cheek	0.336	0.505	0.841
					Left Tilt	0.110	0.055	0.165
					Right Cheek	0.670	0.713	1.383
					Right Tilt	0.106	0.096	0.202
ENDC_4A_n7A	LTE B4	Ant.6	N7	Ant.4	Left Cheek	0.039	0.361	0.400
					Left Tilt	0.010	0.494	0.504
					Right Cheek	0.018	0.788	0.806
					Right Tilt	0.005	0.544	0.549
	LTE B4	Ant.6	N7	Ant.5	Left Cheek	0.039	0.477	0.516
					Left Tilt	0.010	0.086	0.096
					Right Cheek	0.018	0.727	0.745

					Right Tilt	0.005	0.073	0.078
	LTE B4	Ant.0	N7	Ant.4	Left Cheek	0.024	0.361	0.385
					Left Tilt	0.012	0.494	0.506
					Right Cheek	0.046	0.788	0.834
					Right Tilt	0.018	0.544	0.562
	LTE B4	Ant.0	N7	Ant.5	Left Cheek	0.024	0.477	0.501
					Left Tilt	0.012	0.086	0.098
					Right Cheek	0.046	0.727	0.773
					Right Tilt	0.018	0.073	0.091
ENDC_5A_n7A	LTE B5	Ant.0	N7	Ant.6	Left Cheek	0.266	0.058	0.324
					Left Tilt	0.085	0.022	0.107
					Right Cheek	0.581	0.050	0.631
					Right Tilt	0.147	0.024	0.171
	LTE B5	Ant.1	N7	Ant.0	Left Cheek	0.098	0.505	0.603
					Left Tilt	0.044	0.055	0.099
					Right Cheek	0.055	0.733	0.788
					Right Tilt	0.029	0.096	0.125
ENDC_66A_n7A	LTE B66	Ant.6	N7	Ant.4	Left Cheek	0.048	0.361	0.409
					Left Tilt	0.018	0.494	0.512
					Right Cheek	0.027	0.788	0.815
					Right Tilt	0.011	0.544	0.555
	LTE B66	Ant.6	N7	Ant.5	Left Cheek	0.048	0.477	0.525
					Left Tilt	0.018	0.086	0.104
					Right Cheek	0.027	0.727	0.754
					Right Tilt	0.011	0.073	0.084
	LTE B66	Ant.0	N7	Ant.4	Left Cheek	0.024	0.361	0.385
					Left Tilt	0.011	0.494	0.505
					Right Cheek	0.050	0.788	0.838
					Right Tilt	0.025	0.544	0.569
	LTE B66	Ant.0	N7	Ant.5	Left Cheek	0.024	0.477	0.501
					Left Tilt	0.011	0.086	0.097
					Right Cheek	0.050	0.727	0.777
					Right Tilt	0.025	0.073	0.098
ENDC_4A_n38A	LTE B4	Ant.4	N38	Ant.6	Left Cheek	0.371	0.131	0.502
					Left Tilt	0.424	0.061	0.485
					Right Cheek	0.766	0.059	0.825
					Right Tilt	0.525	0.025	0.550
	LTE B4	Ant.4	N38	Ant.0	Left Cheek	0.371	0.487	0.858
					Left Tilt	0.424	0.071	0.495
					Right Cheek	0.766	0.652	1.418
					Right Tilt	0.525	0.102	0.627
	LTE B4	Ant.5	N38	Ant.6	Left Cheek	0.178	0.131	0.309
					Left Tilt	0.025	0.061	0.086

					Right Cheek	0.359	0.059	0.418
					Right Tilt	0.062	0.025	0.087
	LTE B4	Ant.5	N38	Ant.0	Left Cheek	0.178	0.487	0.665
					Left Tilt	0.025	0.071	0.096
					Right Cheek	0.359	0.652	1.011
					Right Tilt	0.062	0.102	0.164
ENDC_5A_n38A	LTE B5	ANT1	N38	ANT6	Left Cheek	0.098	0.131	0.229
					Left Tilt	0.044	0.061	0.105
					Right Cheek	0.055	0.059	0.114
					Right Tilt	0.029	0.025	0.054
	LTE B5	ANT1	N38	ANT0	Left Cheek	0.098	0.487	0.585
					Left Tilt	0.044	0.071	0.115
					Right Cheek	0.055	0.652	0.707
					Right Tilt	0.029	0.102	0.131
	LTE B5	ANT0	N38	ANT6	Left Cheek	0.266	0.131	0.397
					Left Tilt	0.085	0.061	0.146
					Right Cheek	0.581	0.059	0.640
					Right Tilt	0.147	0.025	0.172
ENDC_66A_n38A	LTE B66	Ant.4	N38	Ant.6	Left Cheek	0.271	0.131	0.402
					Left Tilt	0.360	0.061	0.421
					Right Cheek	0.724	0.059	0.783
					Right Tilt	0.413	0.025	0.438
	LTE B66	Ant.4	N38	Ant.0	Left Cheek	0.271	0.487	0.758
					Left Tilt	0.360	0.071	0.431
					Right Cheek	0.724	0.652	1.376
					Right Tilt	0.413	0.102	0.515
	LTE B66	Ant.5	N38	Ant.6	Left Cheek	0.147	0.131	0.278
					Left Tilt	0.038	0.061	0.099
					Right Cheek	0.322	0.059	0.381
					Right Tilt	0.063	0.025	0.088
	LTE B66	Ant.5	N38	Ant.0	Left Cheek	0.147	0.487	0.634
					Left Tilt	0.038	0.071	0.109
					Right Cheek	0.322	0.652	0.974
					Right Tilt	0.063	0.102	0.165
ENDC_4A_n41A	LTE B4	Ant.4	N41	Ant.0	Left Cheek	0.371	0.590	0.961
					Left Tilt	0.424	0.064	0.488
					Right Cheek	0.642	0.705	1.347
					Right Tilt	0.525	0.107	0.632
	LTE B4	Ant.5	N41	Ant.6	Left Cheek	0.178	0.097	0.275
					Left Tilt	0.025	0.033	0.058
					Right Cheek	0.359	0.050	0.409
					Right Tilt	0.062	0.024	0.086
	LTE B4	Ant.5	N41	Ant.0	Left Cheek	0.178	0.590	0.768

					Left Tilt	0.025	0.064	0.089
					Right Cheek	0.359	0.705	1.064
					Right Tilt	0.062	0.107	0.169
ENDC_66A_n41A	LTE B66	Ant.4	N41	Ant.6	Left Cheek	0.271	0.097	0.368
					Left Tilt	0.360	0.033	0.393
					Right Cheek	0.724	0.050	0.774
					Right Tilt	0.413	0.024	0.437
	LTE B66	Ant.4	N41	Ant.0	Left Cheek	0.271	0.590	0.861
					Left Tilt	0.360	0.064	0.424
					Right Cheek	0.724	0.705	1.429
					Right Tilt	0.413	0.107	0.520
	LTE B66	Ant.5	N41	Ant.6	Left Cheek	0.147	0.097	0.244
					Left Tilt	0.038	0.033	0.071
					Right Cheek	0.322	0.050	0.372
					Right Tilt	0.063	0.024	0.087
	LTE B66	Ant.5	N41	Ant.0	Left Cheek	0.147	0.590	0.737
					Left Tilt	0.038	0.064	0.102
					Right Cheek	0.322	0.705	1.027
					Right Tilt	0.063	0.107	0.170

Note:

1: The highest Summed 1g SAR is 1.431 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.20 Body-worn Simultaneous Transmission SAR Evaluation for EN DC Only

Band	LTE Band	LTE Antenna	NR Band	NR Antenna	Position	Stand alone SAR		SUM SAR
						1	2	1+2
						LTE ENDC	NR NSA	SUM ENDC
						STATE1	STATE1	STATE1
ENDC_7A_n5A	LTE B7	Ant.6	N5	ANT0	Front Side 15mm	0.023	0.136	0.159
					Back Side 15mm	0.038	0.099	0.137
	LTE B7	Ant.6	N5	ANT1	Front Side 15mm	0.023	0.083	0.106
					Back Side 15mm	0.038	0.082	0.120
	LTE B7	Ant.0	N5	ANT1	Front Side 15mm	0.105	0.083	0.188
					Back Side 15mm	0.058	0.082	0.140
ENDC_2A_n7A	LTE B2	Ant.4	N7	Ant.6	Front Side 15mm	0.054	0.063	0.117
					Back Side 15mm	0.065	0.090	0.155
	LTE B2	Ant.4	N7	Ant.0	Front Side 15mm	0.054	0.136	0.190
					Back Side 15mm	0.065	0.096	0.161
	LTE B2	Ant.5	N7	Ant.6	Front Side 15mm	0.110	0.063	0.173
					Back Side 15mm	0.137	0.090	0.227
	LTE B2	Ant.5	N7	Ant.0	Front Side 15mm	0.110	0.136	0.246
					Back Side 15mm	0.137	0.096	0.233
ENDC_4A_n7A	LTE B4	Ant.6	N7	Ant.4	Front Side 15mm	0.017	0.233	0.250
					Back Side 15mm	0.032	0.207	0.239
	LTE B4	Ant.6	N7	Ant.5	Front Side 15mm	0.017	0.158	0.175
					Back Side 15mm	0.032	0.174	0.206
	LTE B4	Ant.0	N7	Ant.4	Front Side 15mm	0.039	0.233	0.272
					Back Side 15mm	0.021	0.207	0.228
	LTE B4	Ant.0	N7	Ant.5	Front Side 15mm	0.039	0.158	0.197
					Back Side 15mm	0.021	0.174	0.195
ENDC_5A_n7A	LTE B5	Ant.0	N7	Ant.6	Front Side 15mm	0.173	0.063	0.236
					Back Side 15mm	0.100	0.090	0.190
	LTE B5	Ant.1	N7	Ant.0	Front Side 15mm	0.124	0.136	0.260
					Back Side 15mm	0.132	0.096	0.228
ENDC_66A_n7A	LTE B66	Ant.6	N7	Ant.6	Front Side 15mm	0.020	0.063	0.083
					Back Side 15mm	0.027	0.090	0.117
	LTE B66	Ant.6	N7	Ant.0	Front Side 15mm	0.020	0.136	0.156
					Back Side 15mm	0.027	0.096	0.123
	LTE B66	Ant.0	N7	Ant.6	Front Side 15mm	0.016	0.063	0.079
					Back Side 15mm	0.008	0.090	0.098
	LTE B66	Ant.0	N7	Ant.0	Front Side 15mm	0.016	0.136	0.152
					Back Side 15mm	0.008	0.096	0.104
ENDC_4A_n38A	LTE B4	Ant.4	N38	Ant.6	Front Side 15mm	0.079	0.091	0.170

					Back Side 15mm	0.090	0.134	0.224
	LTE B4	Ant.4	N38	Ant.0	Front Side 15mm	0.079	0.127	0.206
					Back Side 15mm	0.090	0.092	0.182
	LTE B4	Ant.5	N38	Ant.6	Front Side 15mm	0.105	0.091	0.196
					Back Side 15mm	0.119	0.134	0.253
	LTE B4	Ant.5	N38	Ant.0	Front Side 15mm	0.105	0.127	0.232
					Back Side 15mm	0.119	0.092	0.211
ENDC_5A_n38A	LTE B5	ANT1	N38	ANT0	Front Side 15mm	0.124	0.127	0.251
					Back Side 15mm	0.132	0.092	0.224
	LTE B5	ANT1	N38	ANT6	Front Side 15mm	0.124	0.091	0.215
					Back Side 15mm	0.132	0.134	0.266
	LTE B5	ANT0	N38	ANT6	Front Side 15mm	0.173	0.091	0.264
					Back Side 15mm	0.100	0.134	0.234
ENDC_66A_n38A	LTE B66	Ant.4	N38	Ant.6	Front Side 15mm	0.015	0.091	0.106
					Back Side 15mm	0.010	0.134	0.144
	LTE B66	Ant.4	N38	Ant.0	Front Side 15mm	0.015	0.127	0.142
					Back Side 15mm	0.010	0.092	0.102
	LTE B66	Ant.5	N38	Ant.6	Front Side 15mm	0.012	0.091	0.103
					Back Side 15mm	0.006	0.134	0.140
	LTE B66	Ant.5	N38	Ant.0	Front Side 15mm	0.012	0.127	0.139
					Back Side 15mm	0.006	0.092	0.098
ENDC_4A_n41A	LTE B4	Ant.4	N41	Ant.6	Front Side 15mm	0.079	0.076	0.155
					Back Side 15mm	0.090	0.100	0.190
	LTE B4	Ant.4	N41	Ant.0	Front Side 15mm	0.079	0.207	0.286
					Back Side 15mm	0.090	0.150	0.240
	LTE B4	Ant.5	N41	Ant.6	Front Side 15mm	0.105	0.076	0.181
					Back Side 15mm	0.119	0.100	0.219
	LTE B4	Ant.5	N41	Ant.0	Front Side 15mm	0.105	0.207	0.312
					Back Side 15mm	0.119	0.150	0.269
ENDC_66A_n41A	LTE B66	Ant.4	N41	Ant.6	Front Side 15mm	0.015	0.076	0.091
					Back Side 15mm	0.010	0.100	0.110
	LTE B66	Ant.4	N41	Ant.0	Front Side 15mm	0.015	0.207	0.222
					Back Side 15mm	0.010	0.150	0.160
	LTE B66	Ant.5	N41	Ant.6	Front Side 15mm	0.012	0.076	0.088
					Back Side 15mm	0.006	0.100	0.106
	LTE B66	Ant.5	N41	Ant.0	Front Side 15mm	0.012	0.207	0.219
					Back Side 15mm	0.006	0.150	0.156

Note:

1: The highest Summed 1g SAR is 0.312 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.3.21 Hotspot Simultaneous Transmission SAR Evaluation for EN DC Only

Note: Hotspot mode for ENDC only can be overwritten by ENDC + WLAN and/or Bluetooth mode.

13.3.22 Head Simultaneous Transmission SAR Evaluation for WLAN Only

Position						SUM SAR		
	1	2	3	4	5			
	2.4GWIFI-MAX	2.4GWIFI-MAX	Max. 5GWIFI	Max. 5GWIFI	MAX BT	WIFI2.4G+WLAN5G	WIFI2.4G+BT	WLAN2.4G+WIFI5G+BT
	L2&3	L4	L2	L3&4		1+3	1+5	2+4+5
Left Cheek	0.311	0.186	0.618	0.491	0.198	**0.929**	0.509	0.875
Left Tilt	0.281	0.175	0.514	0.395	0.106	0.795	0.387	0.676
Right Cheek	0.432	0.270	0.273	0.220	0.268	0.705	0.700	0.758
Right Tilt	0.270	0.178	0.295	0.233	0.108	0.565	0.378	0.519

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

13.3.23 Body-worn Simultaneous Transmission SAR Evaluation for WLAN and Bluetooth Only

Position	Stand alone SAR			SUM SAR
	1	2	3	
	2.4GWIFI-MAX	5GWIFI-MAX	MAX BT	WIFI2.4G+WIFI5G+BT
	L8	L8		1+2+3
Front Side 15mm	0.064	0.464	0.053	**0.581**
Back Side 15mm	0.060	0.470	0.028	0.558

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

13.3.24 Hotspot Simultaneous Transmission SAR Evaluation for WLAN Only and Bluetooth Only

Position	Standalone SAR					SUM SAR			
	1	2	3	4	5				
	2.4GWIFI-MAX	2.4GWIFI-MAX	5GWIFI-MAX	5GWIFI-MAX	MAX BT	WIFI2.4G+BT	WIFI2.4G+WIFI5G	WIFI5G+BT	WIFI2.4G+WIFI5G+BT
	L10	L11	L10	L11		1+5	1+3	3+5	2+4+5
Front Side 15mm	0.104	0.068	0.462	0.306	0.082	0.186	0.566	0.544	0.456
Back Side 15mm	0.087	0.061	0.476	0.373	0.108	0.195	0.563	0.584	0.542
Left Edge 10mm	0.158	0.099	0.189	0.123	0.018	0.176	0.347	0.207	0.240
Right Edger 10mm	0.142	0.099	0.000	0.000	0.017	0.159	0.142	0.017	0.116
Top Edge 10mm	0.157	0.121	0.328	0.255	0.221	0.378	0.485	0.549	0.597
Bottom Edge 10mm	0.055	0.052	0.286	0.212	0.070	0.125	0.341	0.356	0.334

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

13.3.25 Limb Simultaneous Transmission SAR Evaluation for WWAN with WLAN

Band	Antenna	Position	Stand alone SAR		Sum SAR (1+2)
			1	2	
			WWAN	Max.5GWIFI(MAX)	
			STATE4	L8	
LTE B2	Ant.4	Top Edge 0mm	0.884	1.468	2.352
LTE B4	Ant.4	Top Edge 0mm	1.046	1.468	2.514
LTE B7	Ant.4	Top Edge 0mm	0.466	1.468	1.934
LTE B7	Ant.5	Left Edge 0mm	0.995	1.468	2.463
LTE B38	Ant.4	Top Edge 0mm	0.418	1.468	1.886
LTE B41	Ant.4	Top Edge 0mm	0.396	1.468	1.864
N2	Ant.4	Top Edge 0mm	1.093	1.468	2.561
N7	Ant.4	Top Edge 0mm	0.561	1.468	2.029
N38	Ant.4	Top Edge 0mm	0.426	1.468	1.894
N38	Ant.5	Left Edge 0mm	1.462	1.468	2.930
N41	Ant.4	Top Edge 0mm	0.433	1.468	1.901
N41	Ant.5	Left Edge 0mm	0.767	1.468	2.235

1: Used Standalone maximum limib SAR value to sum WWAN Limb SAR due to summed Limb SAR is more conservative.

2: The highest Summed 10g SAR is 2.930 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

14 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY6	16.0.0.65	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	2023/07/04	2024/07/03
Data Acquisition Electronics	Speag	DAE4	SN: 878	2023/03/23	2024/03/22
Signal Generator	R&S	SMB100A	177746	2023/05/10	2024/05/09
Power Meter	R&S	NRVD-B2	835843/014	2023/09/05	2024/09/04
Power Sensor	R&S	NRV-Z4	100381	2023/09/05	2024/09/04
Power Sensor	R&S	NRV-Z2	100211	2023/09/05	2024/09/04
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2022/12/28	2023/12/27
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2022/12/27	2023/12/26
Network Analyzer	Agilent	E5071C	MY46103472	2022/12/06	2023/12/05
Thermometer	Elitech	RC-4HC	EF7216002985	2022/11/18	2023/11/17
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom1	Speag	SAM	SN: 1859	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 DAK Dielectric Probe Kit.

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2023.08.17	Head	750	21.6	0.90	41.72	0.89	41.94	1.12	-0.53
2023.08.18	Head	750	21.8	0.90	41.63	0.89	41.94	1.12	-0.74
2023.08.19	Head	750	21.6	0.90	41.71	0.89	41.94	1.12	-0.55
2023.08.20	Head	835	21.6	0.90	41.89	0.90	41.50	0.00	0.95
2023.08.21	Head	835	21.1	0.90	41.88	0.90	41.50	0.00	0.92
2023.08.22	Head	835	21.8	0.90	41.87	0.90	41.50	0.00	0.88
2023.08.27	Head	835	21.7	0.90	41.67	0.90	41.50	0.00	0.40
2023.08.28	Head	835	21.7	0.90	41.95	0.90	41.50	0.00	1.09
2023.08.29	Head	835	21.5	0.90	41.91	0.90	41.50	0.00	0.99
2023.08.23	Head	1750	21.7	1.38	40.12	1.37	40.08	0.73	0.11
2023.08.24	Head	1750	21.6	1.38	40.12	1.37	40.08	0.73	0.09
2023.08.25	Head	1750	21.3	1.38	40.22	1.37	40.08	0.73	0.34
2023.08.26	Head	1750	21.2	1.38	39.95	1.37	40.08	0.73	-0.33
2023.08.30	Head	1900	21.8	1.39	40.00	1.40	40.00	-0.71	0.00
2023.08.31	Head	1900	21.4	1.40	39.93	1.40	40.00	0.00	-0.18
2023.09.01	Head	1900	21.1	1.39	39.97	1.40	40.00	-0.71	-0.08
2023.09.07	Head	2450	21.8	1.80	39.63	1.80	39.20	0.00	1.08
2023.09.08	Head	2450	21.7	1.80	39.53	1.80	39.20	0.00	0.84
2023.09.09	Head	2450	21.2	1.80	39.67	1.80	39.20	0.00	1.20
2023.09.10	Head	2450	21.9	1.80	39.45	1.80	39.20	0.00	0.62
2023.09.02	Head	2600	21.8	1.99	38.65	1.96	39.01	1.53	-0.92
2023.09.03	Head	2600	21.6	1.98	38.42	1.96	39.01	1.02	-1.52
2023.09.04	Head	2600	21.8	1.99	38.45	1.96	39.01	1.53	-1.45
2023.09.05	Head	2600	20.9	1.97	38.58	1.96	39.01	0.51	-1.09
2023.09.06	Head	2600	21.2	1.97	38.37	1.96	39.01	0.51	-1.65
2023.09.18	Head	2600	21.5	1.98	38.46	1.96	39.01	1.02	-1.42
2023.09.19	Head	2600	21.3	1.97	38.58	1.96	39.01	0.51	-1.09
2023.09.20	Head	2600	21.7	1.98	38.50	1.96	39.01	1.02	-1.31
2023.09.22	Head	2600	21.4	1.97	38.59	1.96	39.01	0.51	-1.07
2023.09.23	Head	2600	21.3	1.98	38.45	1.96	39.01	1.02	-1.43
2023.09.24	Head	2600	21.4	1.98	38.60	1.96	39.01	1.02	-1.04
2023.09.11	Head	5250	21.5	4.70	35.92	4.66	35.99	0.86	-0.19
2023.09.12	Head	5250	21.3	4.70	35.78	4.71	35.93	-0.21	-0.41

2023.09.13	Head	5250	21.8	4.70	35.77	4.71	35.93	-0.21	-0.44
2023.09.14	Head	5600	21.3	5.06	35.75	5.07	35.53	-0.20	0.62
2023.09.15	Head	5600	21.2	5.06	35.44	5.07	35.53	-0.20	-0.25
2023.09.16	Head	5750	21.6	5.18	35.40	5.22	35.36	-0.77	0.12
2023.09.17	Head	5750	21.4	5.17	35.28	5.22	35.36	-0.96	-0.23
Note: The tolerance limit of Conductivity and Permittivity is± 5%.									

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2023.08.17	Head	750	100	0.865	8.65	8.29	4.34
2023.08.18	Head	750	100	0.819	8.19	8.29	-1.21
2023.08.19	Head	750	100	0.834	8.34	8.29	0.60
2023.08.20	Head	835	100	0.991	9.91	9.49	4.43
2023.08.21	Head	835	100	0.975	9.75	9.49	2.74
2023.08.22	Head	835	100	0.962	9.62	9.49	1.37
2023.08.27	Head	835	100	0.952	9.52	9.49	0.32
2023.08.28	Head	835	100	0.962	9.62	9.49	1.37
2023.08.29	Head	835	100	0.940	9.40	9.49	-0.95
2023.08.23	Head	1750	100	3.752	37.52	36.80	1.96
2023.08.24	Head	1750	100	3.620	36.20	36.80	-1.63
2023.08.25	Head	1750	100	3.810	38.10	36.80	3.53
2023.08.26	Head	1750	100	3.810	38.10	36.80	3.53
2023.08.30	Head	1900	100	4.050	40.50	39.40	2.79
2023.08.31	Head	1900	100	4.100	41.00	39.40	4.06
2023.09.01	Head	1900	100	3.990	39.90	39.40	1.27
2023.09.07	Head	2450	100	5.300	53.00	52.60	0.76
2023.09.08	Head	2450	100	5.250	52.50	52.60	-0.19
2023.09.09	Head	2450	100	5.400	54.00	52.60	2.66
2023.09.10	Head	2450	100	5.360	53.60	52.60	1.90
2023.09.02	Head	2600	100	5.720	57.20	56.30	1.60
2023.09.03	Head	2600	100	5.550	55.50	56.30	-1.42
2023.09.04	Head	2600	100	5.700	57.00	56.30	1.24
2023.09.05	Head	2600	100	5.820	58.20	56.30	3.37
2023.09.06	Head	2600	100	5.790	57.90	56.30	2.84
2023.09.18	Head	2600	100	5.490	54.90	56.30	-2.49
2023.09.19	Head	2600	100	5.560	55.60	56.30	-1.24
2023.09.20	Head	2600	100	5.830	58.30	56.30	3.55
2023.09.22	Head	2600	100	5.650	56.50	56.30	0.36
2023.09.23	Head	2600	100	5.750	57.50	56.30	2.13
2023.09.24	Head	2600	100	5.560	55.60	56.30	-1.24
2023.09.11	Head	5250	100	7.820	78.20	77.80	0.51
2023.09.12	Head	5250	100	7.650	76.50	77.80	-1.67
2023.09.13	Head	5250	100	7.750	77.50	77.80	-0.39
2023.09.14	Head	5600	100	8.460	84.60	81.20	4.19

2023.09.15	Head	5600	100	8.260	82.60	81.20	1.72
2023.09.16	Head	5750	100	8.020	80.20	77.20	3.89
2023.09.17	Head	5750	100	7.680	76.80	77.20	-0.52

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2023.08.17	Head	750	100	0.553	5.53	5.38	2.79
2023.08.18	Head	750	100	0.539	5.39	5.38	0.19
2023.08.19	Head	750	100	0.549	5.49	5.38	2.04
2023.08.20	Head	835	100	0.631	6.31	6.34	-0.47
2023.08.21	Head	835	100	0.624	6.24	6.34	-1.58
2023.08.22	Head	835	100	0.625	6.25	6.34	-1.42
2023.08.27	Head	835	100	0.627	6.27	6.34	-1.10
2023.08.28	Head	835	100	0.630	6.30	6.34	-0.63
2023.08.29	Head	835	100	0.620	6.20	6.34	-2.21
2023.08.23	Head	1750	100	1.975	19.75	19.10	3.40
2023.08.24	Head	1750	100	1.860	18.60	19.10	-2.62
2023.08.25	Head	1750	100	2.000	20.00	19.10	4.71
2023.08.26	Head	1750	100	1.998	19.98	19.10	4.61
2023.08.30	Head	1900	100	2.060	20.60	20.30	1.48
2023.08.31	Head	1900	100	2.10	21.00	20.30	3.45
2023.09.01	Head	1900	100	2.070	20.70	20.30	1.97
2023.09.07	Head	2450	100	2.450	24.50	24.10	1.66
2023.09.08	Head	2450	100	2.330	23.30	24.10	-3.32
2023.09.09	Head	2450	100	2.490	24.90	24.10	3.32
2023.09.10	Head	2450	100	2.470	24.70	24.10	2.49
2023.09.02	Head	2600	100	2.550	25.50	24.80	2.82
2023.09.03	Head	2600	100	2.450	24.50	24.80	-1.21
2023.09.04	Head	2600	100	2.440	24.40	24.80	-1.61
2023.09.05	Head	2600	100	2.500	25.00	24.80	0.81
2023.09.06	Head	2600	100	2.590	25.90	24.80	4.44
2023.09.18	Head	2600	100	2.450	24.50	24.80	-1.21
2023.09.19	Head	2600	100	2.420	24.20	24.80	-2.42
2023.09.20	Head	2600	100	2.560	25.60	24.80	3.23
2023.09.22	Head	2600	100	2.500	25.00	24.80	0.81
2023.09.23	Head	2600	100	2.530	25.30	24.80	2.02
2023.09.24	Head	2600	100	2.430	24.30	24.80	-2.02
2023.09.11	Head	5250	100	2.250	22.50	22.10	1.81
2023.09.12	Head	5250	100	2.130	21.30	22.10	-3.62
2023.09.13	Head	5250	100	2.190	21.90	22.10	-0.90
2023.09.14	Head	5600	100	2.410	24.10	23.10	4.33
2023.09.15	Head	5600	100	2.290	22.90	23.10	-0.87
2023.09.16	Head	5750	100	2.230	22.30	21.70	2.76
2023.09.17	Head	5750	100	2.150	21.50	21.70	-0.92

System Check: Head 750MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD750V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD700	CW, 0--	750.0, 100	10.31	0.9	41.7	22.8	21.6

Hardware Setup

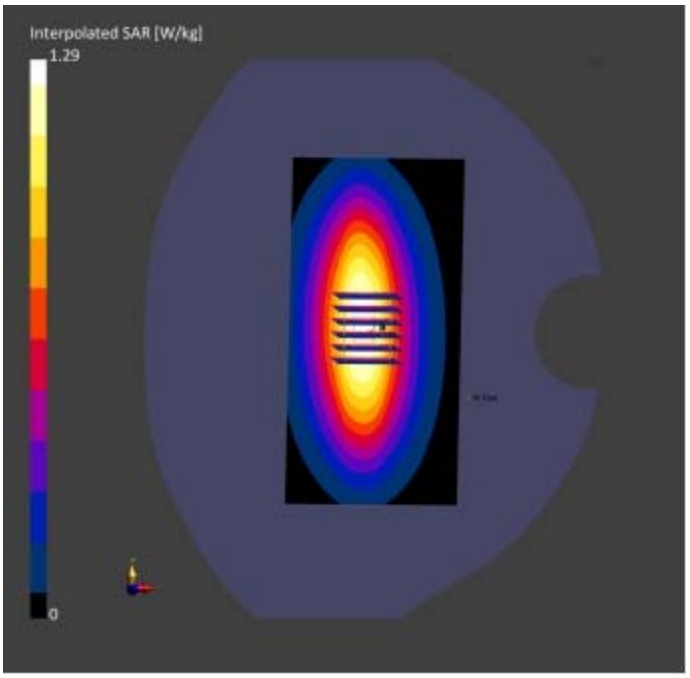
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-17	2023-08-17
psSAR1g [W/kg]	0.840	0.865
psSAR10g [W/kg]	0.562	0.553
Power Drift [dB]	-0.06	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.0
Dist 3dB Peak [mm]		20.4


Interpolated SAR [W/kg]
1.29
0

System Check: Head 750MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD750V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD700	CW, 0--	750.0, 100	10.31	0.9	41.6	22.6	21.8

Hardware Setup

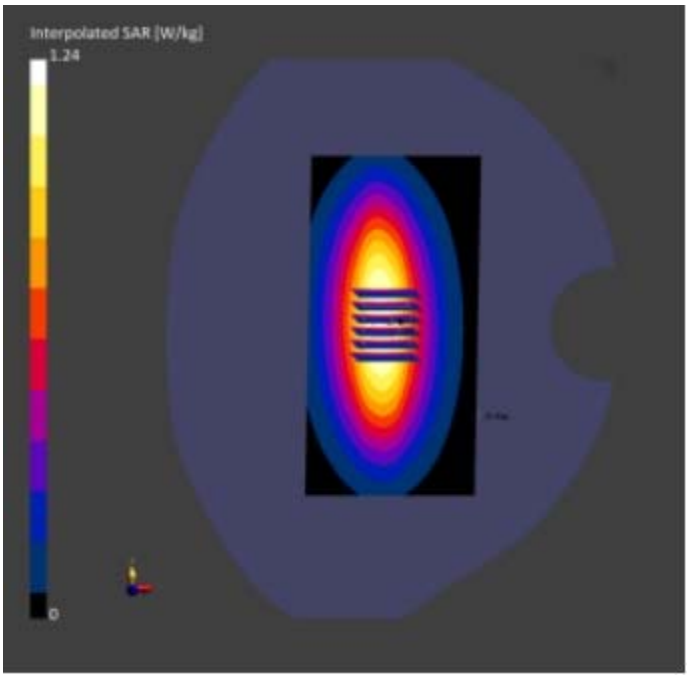
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-18	2023-08-18
psSAR1g [W/kg]	0.803	0.819
psSAR10g [W/kg]	0.537	0.539
Power Drift [dB]	-0.16	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		87.3
Dist 3dB Peak [mm]		20.4


Interpolated SAR [W/kg]
1.24
0

System Check: Head 750MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD750V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD700	CW, 0--	750.0, 100	10.31	0.901	41.7	22.3	21.6

Hardware Setup

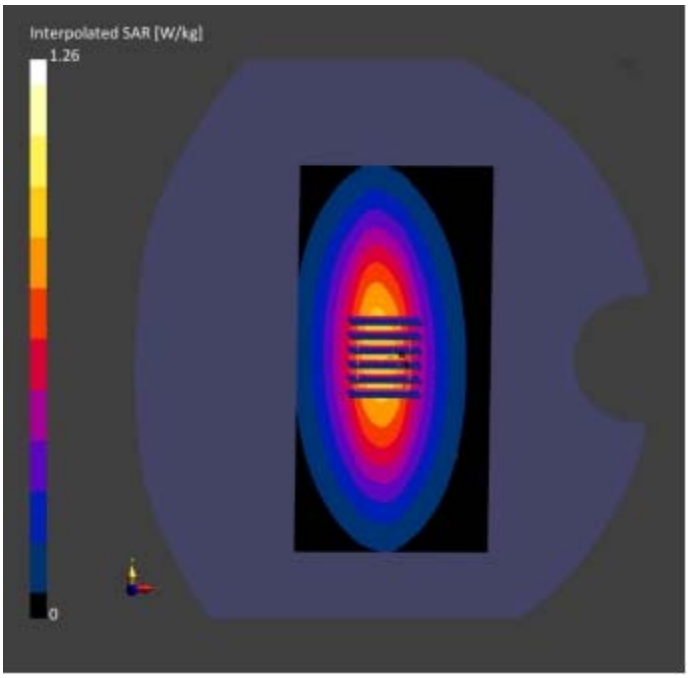
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-19	2023-08-19
psSAR1g [W/kg]	0.824	0.834
psSAR10g [W/kg]	0.551	0.549
Power Drift [dB]	-0.05	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.7
Dist 3dB Peak [mm]		20.4



System Check: Head 835MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD835V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD835	CW, 0--	835.0, 50	9.96	0.898	41.9	22.3	21.6

Hardware Setup

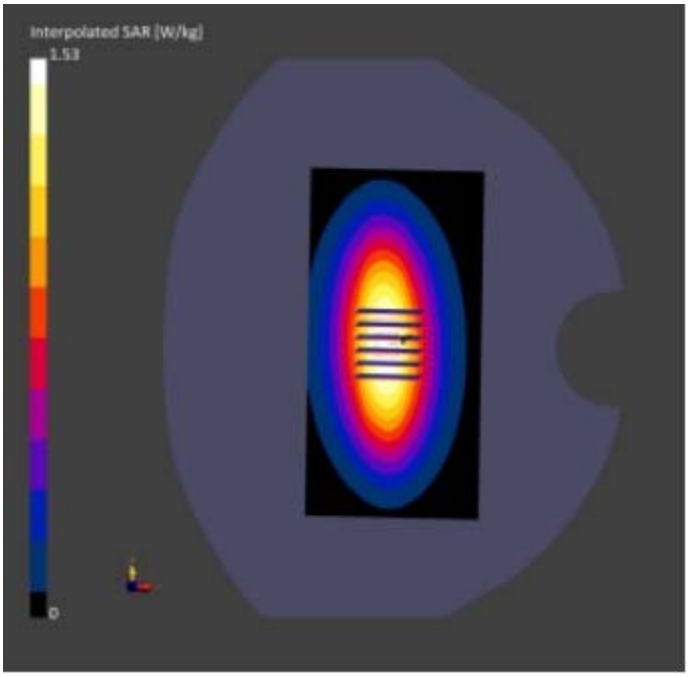
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-20	2023-08-20
psSAR1g [W/kg]	1.01	0.991
psSAR10g [W/kg]	0.645	0.631
Power Drift [dB]	-0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.8
Dist 3dB Peak [mm]		13.2



System Check: Head 835MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD835V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD835	CW, 0--	835.0, 50	9.96	0.901	41.9	22.2	21.1

Hardware Setup

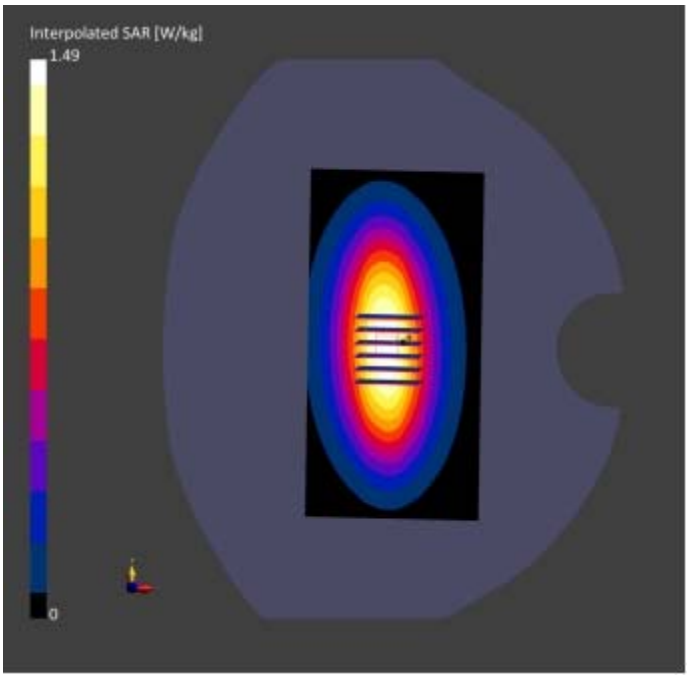
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-21	2023-08-21
psSAR1g [W/kg]	0.982	0.975
psSAR10g [W/kg]	0.625	0.624
Power Drift [dB]	-0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		85.9
Dist 3dB Peak [mm]		13.2


Interpolated SAR [W/kg]
1.49
0

System Check: Head 835MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD835V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD835	CW, 0--	835.0, 50	9.96	0.902	41.9	22.7	21.8

Hardware Setup

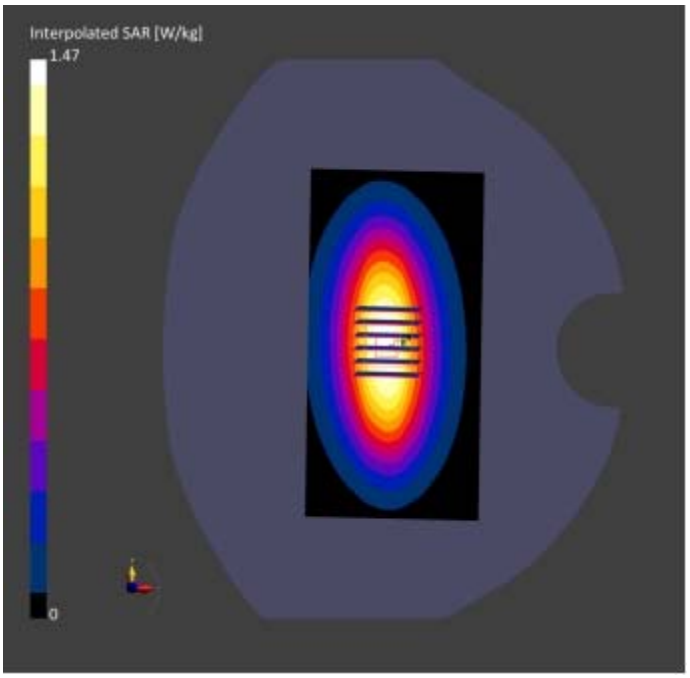
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-22	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-22	2023-08-22
psSAR1g [W/kg]	0.992	0.962
psSAR10g [W/kg]	0.631	0.625
Power Drift [dB]	-0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.8
Dist 3dB Peak [mm]		13.2


Interpolated SAR [W/kg]
1.47
0

System Check: Head 835MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD835V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD835	CW, 0--	835.0, 50	9.96	0.901	41.7	22.4	21.7

Hardware Setup

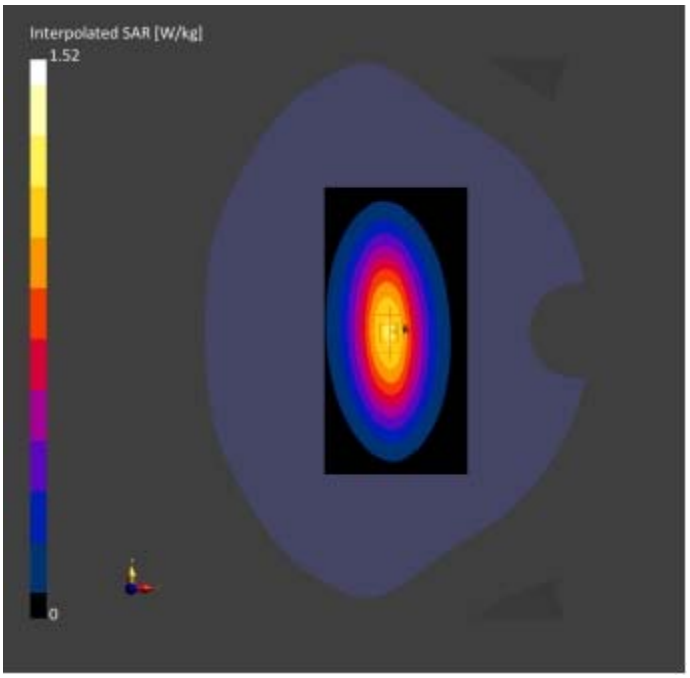
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-27	2023-08-27
psSAR1g [W/kg]	0.989	0.952
psSAR10g [W/kg]	0.625	0.627
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.5
Dist 3dB Peak [mm]		13.1


Interpolated SAR [W/kg]
1.52
0

System Check: Head 835MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD835V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD835	CW, 0--	835.0, 50	9.96	0.904	42.0	22.7	21.7

Hardware Setup

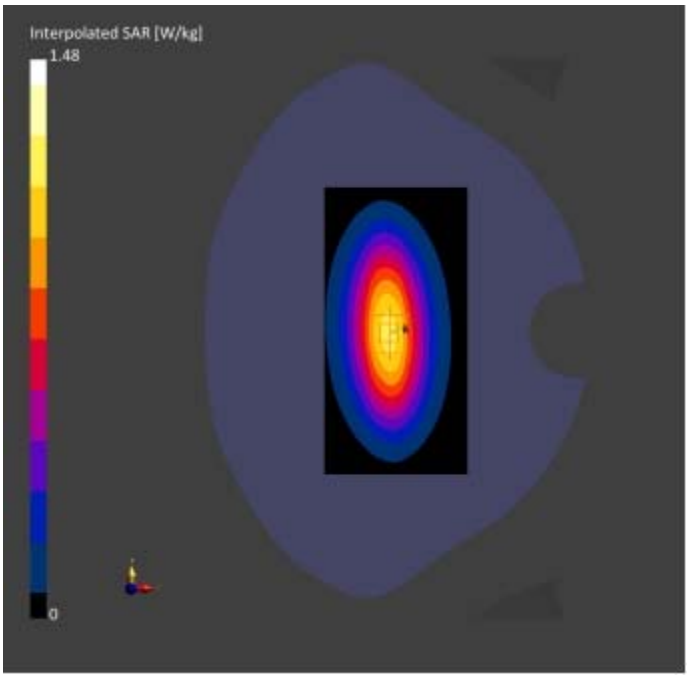
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-28	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-28	2023-08-28
psSAR1g [W/kg]	0.988	0.962
psSAR10g [W/kg]	0.645	0.630
Power Drift [dB]	-0.02	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		85.4
Dist 3dB Peak [mm]		13.3


Interpolated SAR [W/kg]
1.48
0

System Check: Head 835MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD835V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD835	CW, 0--	835.0, 50	9.96	0.900	41.9	22.4	21.5

Hardware Setup

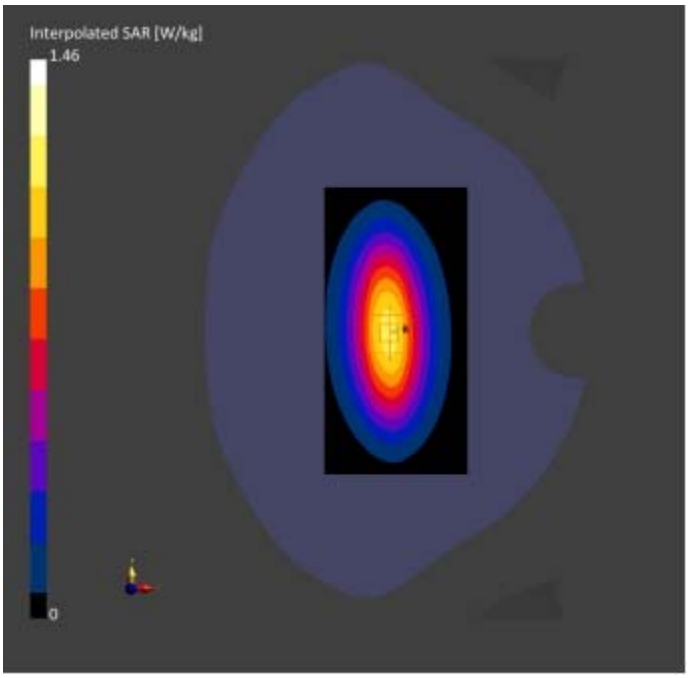
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-29	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-29	2023-08-29
psSAR1g [W/kg]	0.987	0.940
psSAR10g [W/kg]	0.647	0.620
Power Drift [dB]	-0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.7
Dist 3dB Peak [mm]		13.1


Interpolated SAR [W/kg]
1.46
0

System Check: Head 1750MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D1750V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1750	CW, 0--	1750.0, 50	8.52	1.38	41.1	22.1	21.7

Hardware Setup

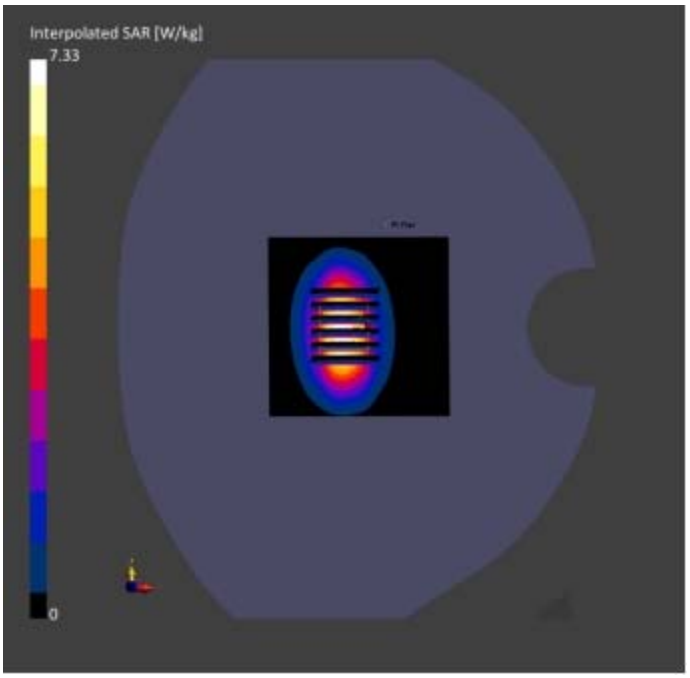
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-23	2023-08-23
psSAR1g [W/kg]	3.89	3.75
psSAR10g [W/kg]	2.08	1.98
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.1
Dist 3dB Peak [mm]		9.8


Interpolated SAR [W/kg]
7.33
0

System Check: Head 1750MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D1750V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1750	CW, 0--	1750.0, 50	8.52	1.38	40.1	22.5	21.6

Hardware Setup

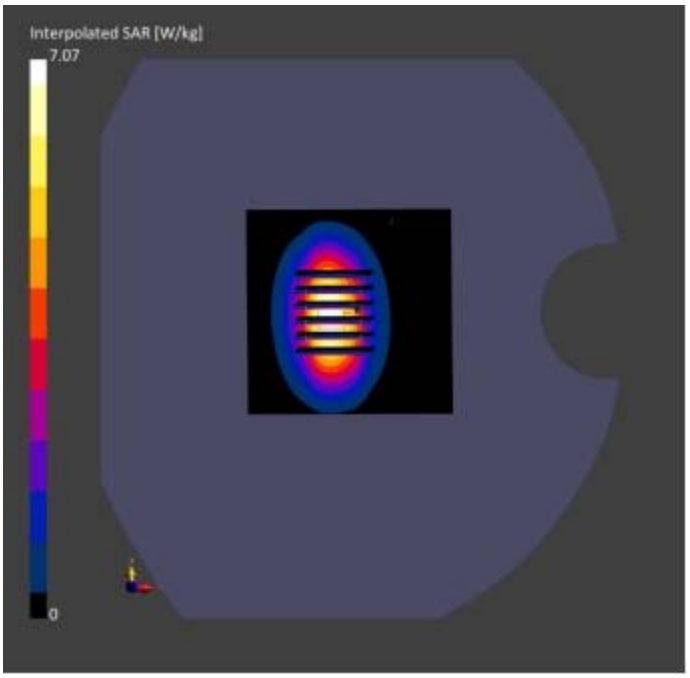
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-24	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-24	2023-08-24
psSAR1g [W/kg]	3.85	3.62
psSAR10g [W/kg]	2.01	1.86
Power Drift [dB]	-0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.8
Dist 3dB Peak [mm]		10.2


Interpolated SAR [W/kg]
7.07
0

System Check: Head 1750MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D1750V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1750	CW, 0--	1750.0, 50	8.52	1.38	40.2	22.1	21.3

Hardware Setup

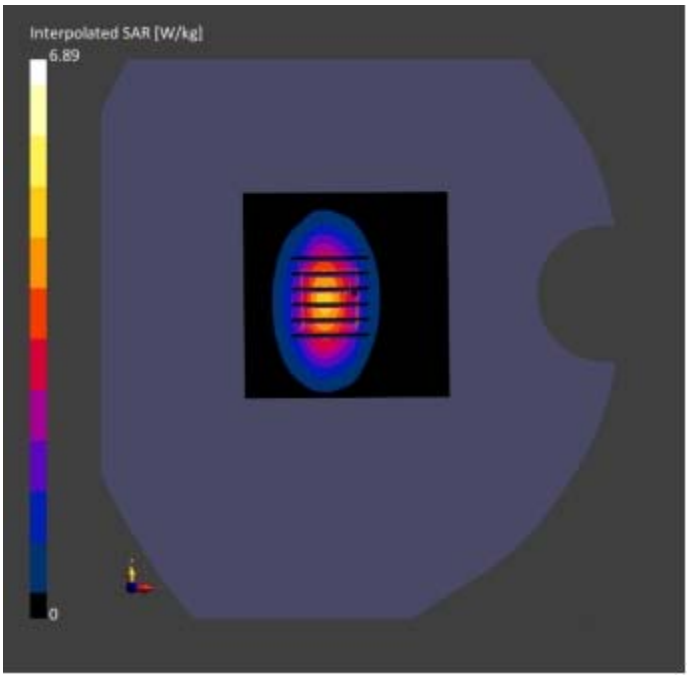
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-25	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-25	2023-08-25
psSAR1g [W/kg]	4.09	3.81
psSAR10g [W/kg]	2.12	2.00
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.9
Dist 3dB Peak [mm]		10.1


Interpolated SAR [W/kg]
6.89
0

System Check: Head 1750MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D1750V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1750	CW, 0--	1750.0, 50	8.52	1.38	39.9	22.1	21.2

Hardware Setup

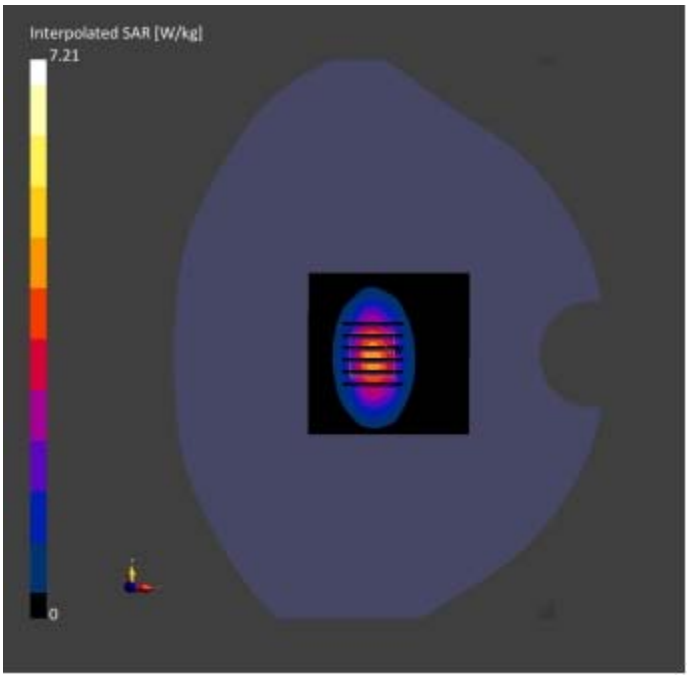
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-26	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-26	2023-08-26
psSAR1g [W/kg]	4.11	3.81
psSAR10g [W/kg]	2.15	1.99
Power Drift [dB]	-0.02	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.7
Dist 3dB Peak [mm]		10.1


Interpolated SAR [W/kg]
7.21
0

System Check: Head 1900MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D1900V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1900	CW, 0--	1900.0, 50	7.98	1.39	40.0	22.1	21.8

Hardware Setup

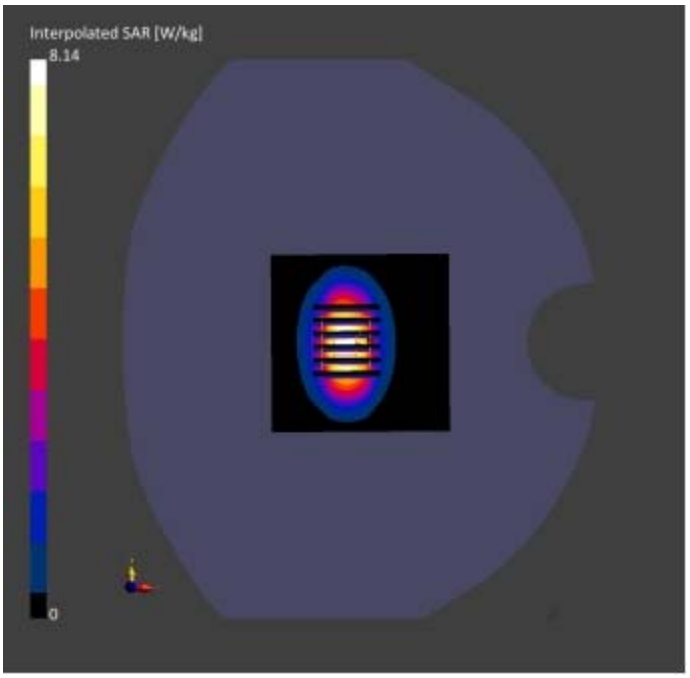
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	4.32	4.05
psSAR10g [W/kg]	2.31	2.06
Power Drift [dB]	-0.05	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.2
Dist 3dB Peak [mm]		9.5


Interpolated SAR [W/kg]
8.14
0

System Check: Head 1900MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D1900V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1900	CW, 0--	1900.0, 50	7.98	1.40	39.9	22.1	21.4

Hardware Setup

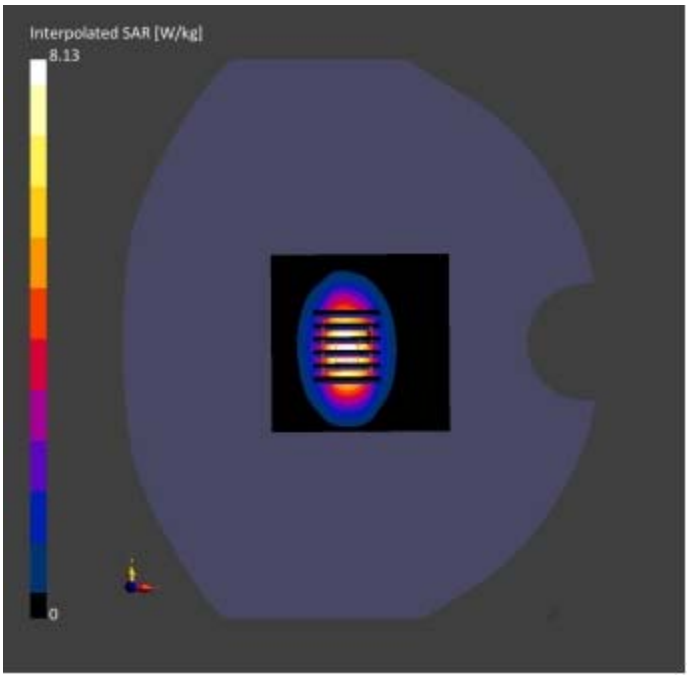
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-08-31	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-31	2023-08-31
psSAR1g [W/kg]	4.19	4.10
psSAR10g [W/kg]	2.25	2.10
Power Drift [dB]	-0.02	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.2
Dist 3dB Peak [mm]		9.5


Interpolated SAR [W/kg]
8.13
0

System Check: Head 1900MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D1900V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1900	CW, 0--	1900.0, 50	7.98	1.39	40.0	22.3	21.1

Hardware Setup

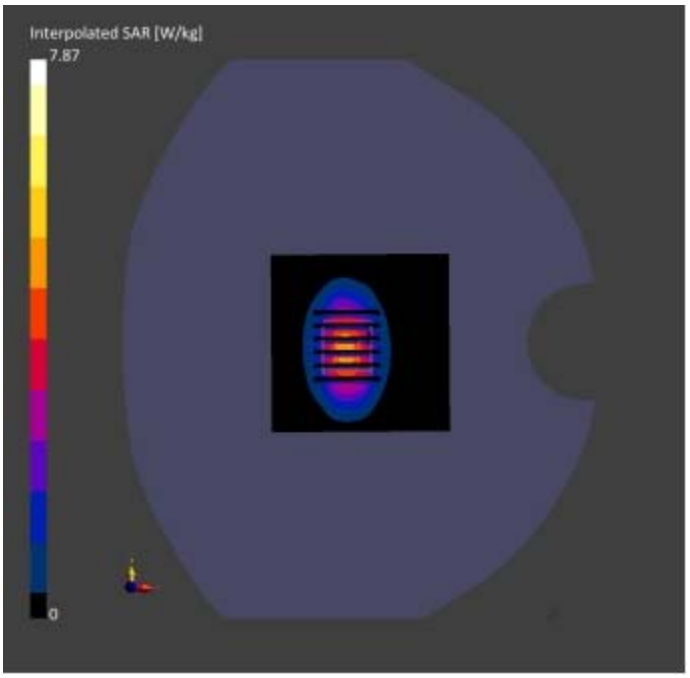
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-09-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-01	2023-09-01
psSAR1g [W/kg]	4.09	3.99
psSAR10g [W/kg]	2.18	2.07
Power Drift [dB]	-0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.0
Dist 3dB Peak [mm]		9.5


Interpolated SAR [W/kg]
7.87
0

System Check: Head 2450MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2450V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2450V2	CW, 0--	2450.0, 50	7.47	1.80	39.6	22.6	21.8

Hardware Setup

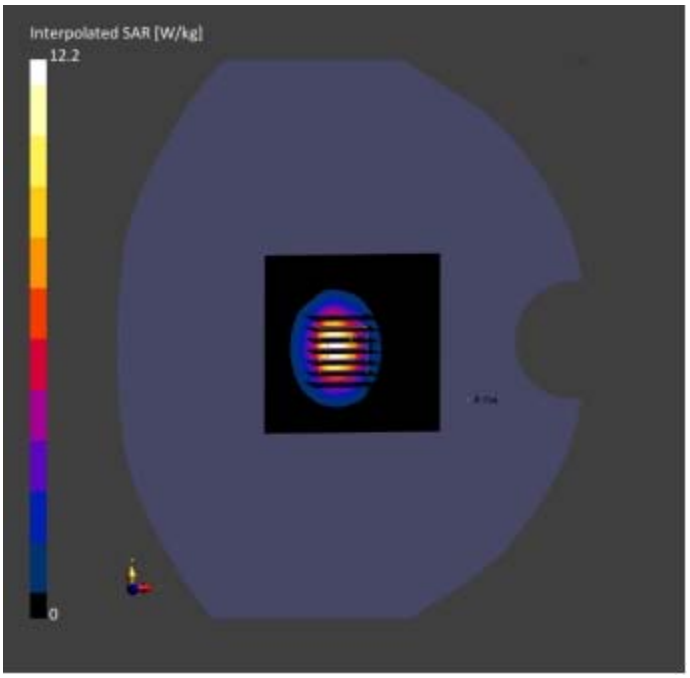
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2023-09-07	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-07	2023-09-07
psSAR1g [W/kg]	5.69	5.30
psSAR10g [W/kg]	2.62	2.45
Power Drift [dB]	0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.8
Dist 3dB Peak [mm]		9.0



System Check: Head 2450MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2450V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2450V2	CW, 0--	2450.0, 50	7.47	1.80	39.5	22.5	21.7

Hardware Setup

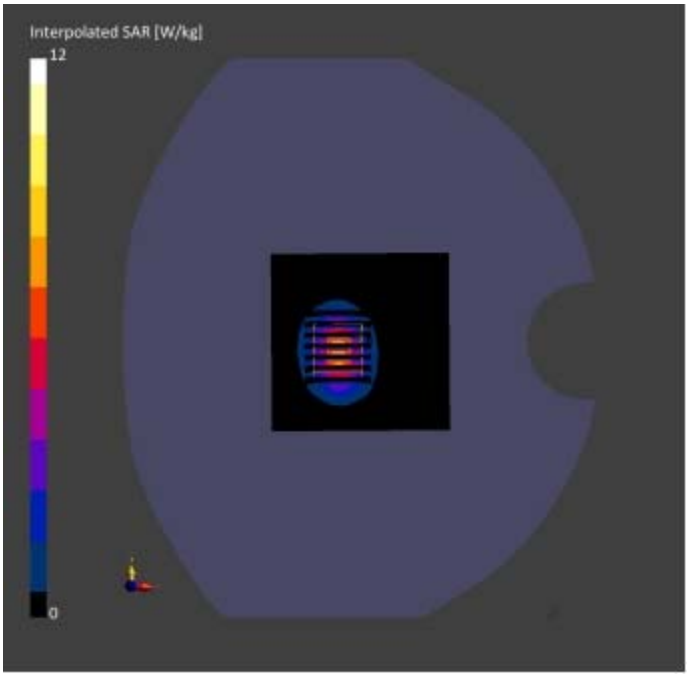
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2023-09-08	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-08	2023-09-08
psSAR1g [W/kg]	5.66	5.25
psSAR10g [W/kg]	2.52	2.33
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.2
Dist 3dB Peak [mm]		9.0



System Check: Head 2450MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2450V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2450V2	CW, 0--	2450.0, 50	7.47	1.80	39.7	22.3	21.2

Hardware Setup

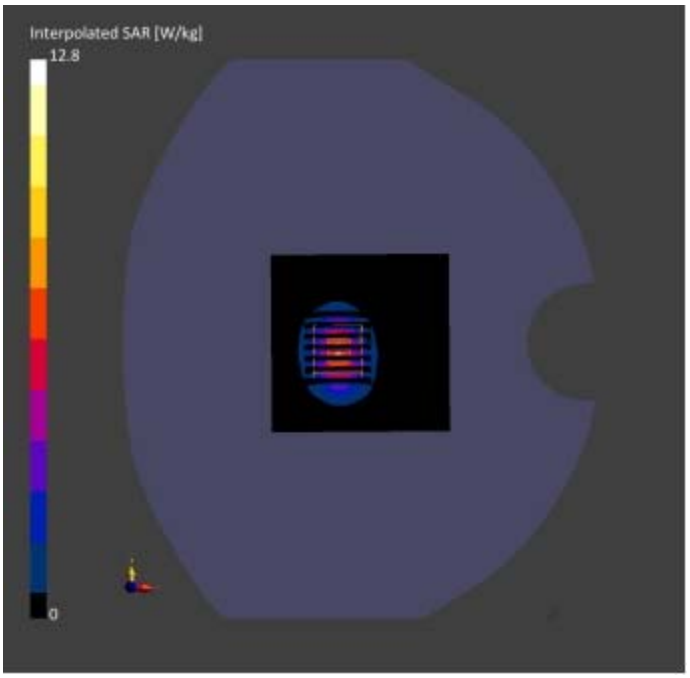
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg tilt) - 1859	probe HBBL-600-10000	2023-09-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-09	2023-09-09
psSAR1g [W/kg]	5.85	5.40
psSAR10g [W/kg]	2.64	2.49
Power Drift [dB]	-0.02	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.5
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
12.8
0

System Check: Head 2450MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2450V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2450V2	CW, 0--	2450.0, 50	7.47	1.80	39.4	22.2	21.9

Hardware Setup

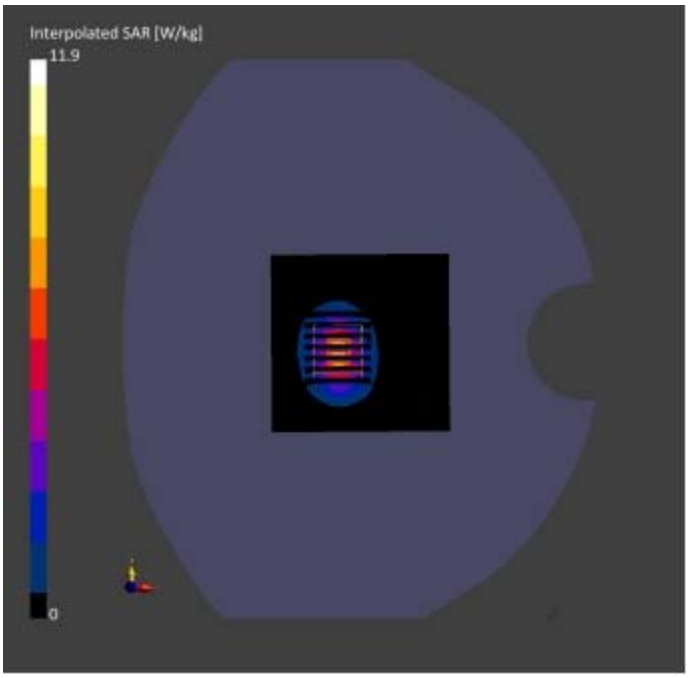
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2023-09-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-10	2023-09-10
psSAR1g [W/kg]	5.72	5.36
psSAR10g [W/kg]	2.66	2.47
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.6
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
11.9
0

System Check: Head 2600MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	1.99	38.7	22.2	21.8

Hardware Setup

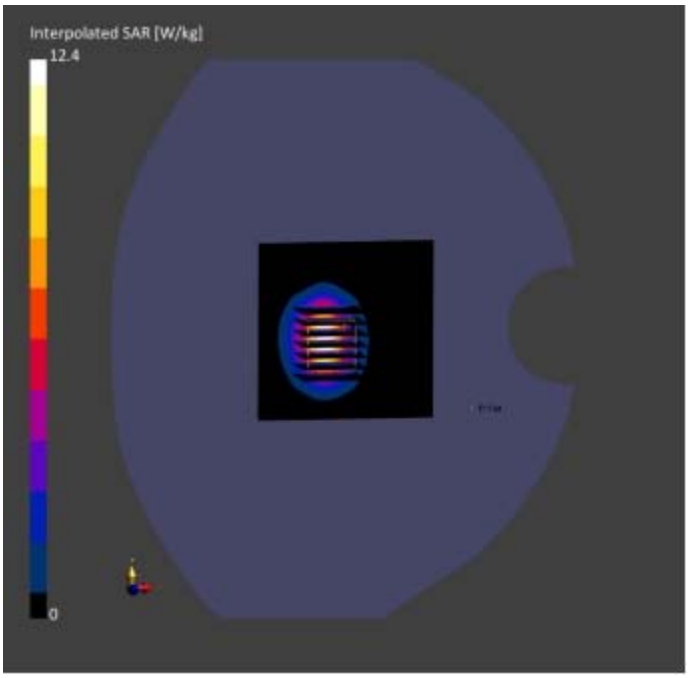
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2023-09-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-02	2023-09-02
psSAR1g [W/kg]	5.89	5.72
psSAR10g [W/kg]	2.62	2.55
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.4
Dist 3dB Peak [mm]		8.8


Interpolated SAR [W/kg]
12.4
0

System Check: Head 2600MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	1.98	38.4	22.6	21.6

Hardware Setup

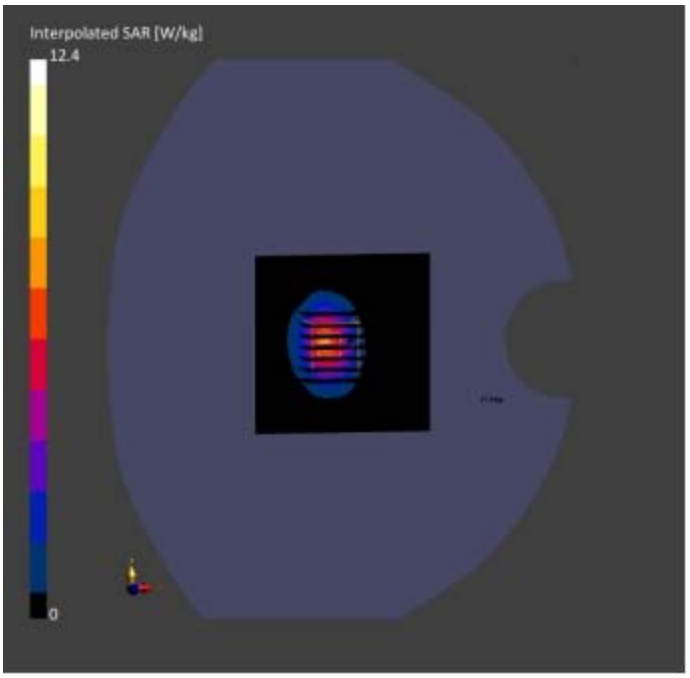
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2023-09-03	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-03	2023-09-03
psSAR1g [W/kg]	5.83	5.72
psSAR10g [W/kg]	2.62	2.55
Power Drift [dB]	0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.6
Dist 3dB Peak [mm]		9.0


Interpolated SAR [W/kg]
12.4
0

System Check: Head 2600MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	1.99	38.4	22.2	21.1

Hardware Setup

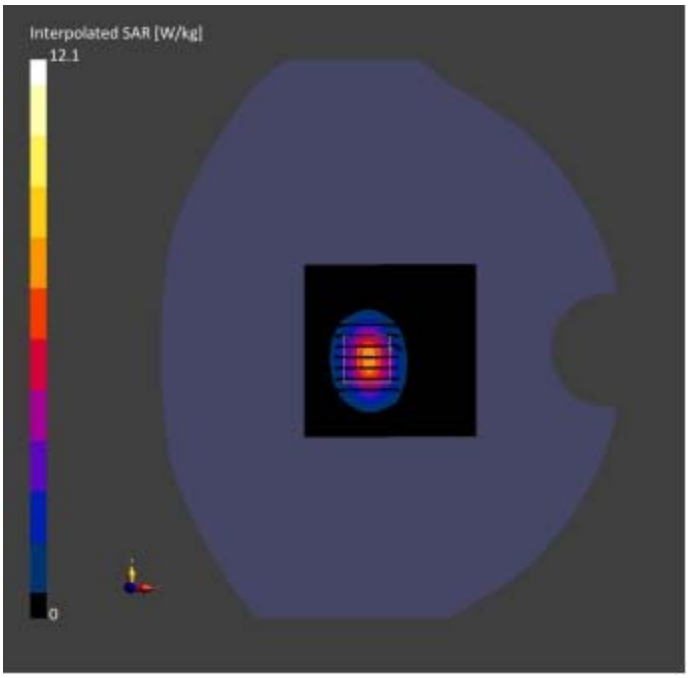
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2023-09-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-04	2023-09-04
psSAR1g [W/kg]	5.79	5.70
psSAR10g [W/kg]	2.62	2.44
Power Drift [dB]	0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.1
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
12.1
0

System Check: Head 2600MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	1.97	38.6	21.8	20.9

Hardware Setup

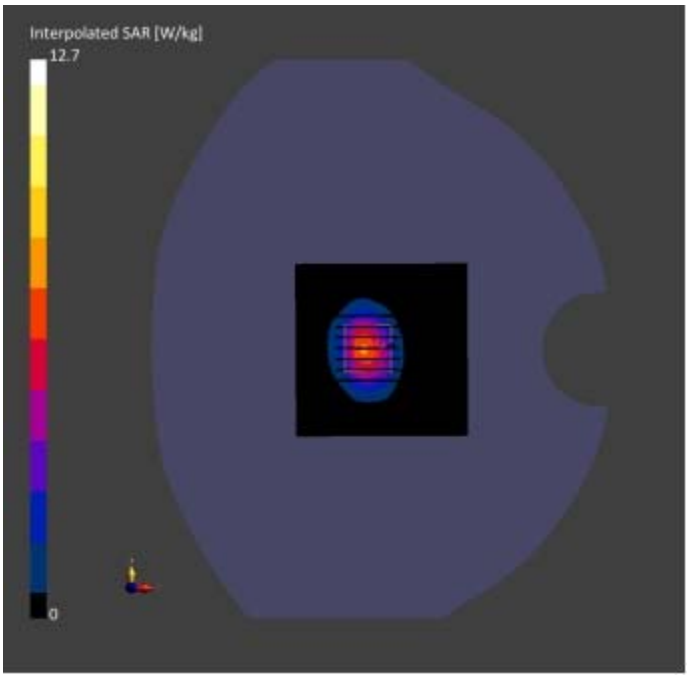
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2023-09-05	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-05	2023-09-05
psSAR1g [W/kg]	5.93	5.82
psSAR10g [W/kg]	2.69	2.50
Power Drift [dB]	0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.4
Dist 3dB Peak [mm]		8.7


Interpolated SAR [W/kg]
12.7
0

System Check: Head 2600MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	1.97	38.4	22.2	21.2

Hardware Setup

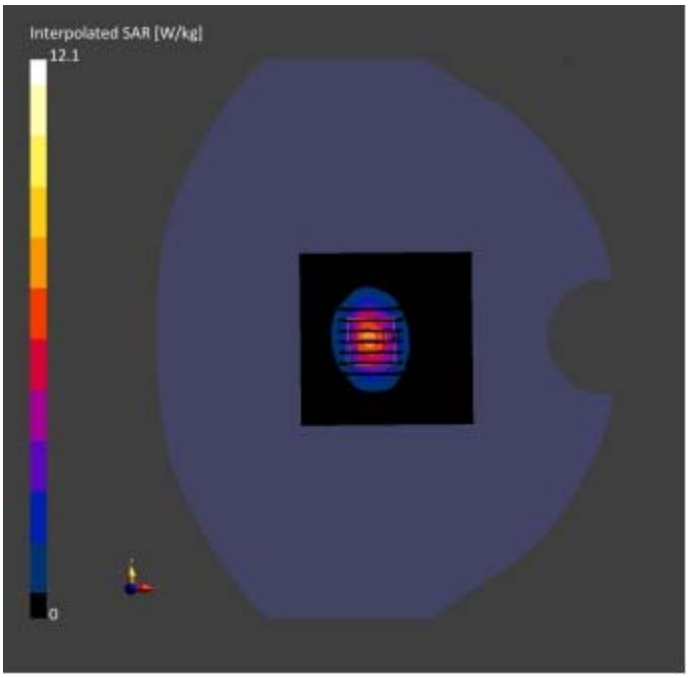
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2023-09-06	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-06	2023-09-06
psSAR1g [W/kg]	5.89	5.79
psSAR10g [W/kg]	2.69	2.59
Power Drift [dB]	0.01	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.2
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
12.1
0

System Check: Head 2600MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	1.98	38.5	22.5	21.5

Hardware Setup

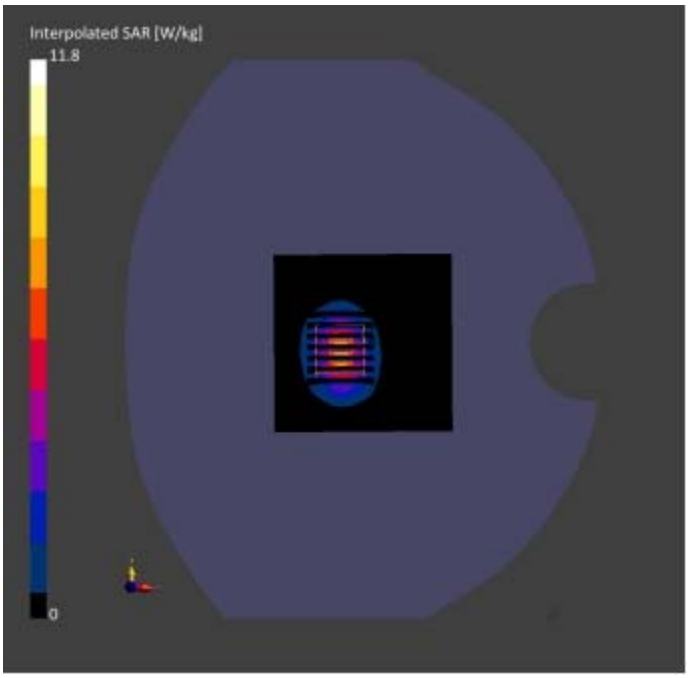
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2023-09-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-18	2023-09-18
psSAR1g [W/kg]	5.65	5.49
psSAR10g [W/kg]	2.55	2.45
Power Drift [dB]	0.01	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.4
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
11.8
0

System Check: Head 2600MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	1.97	38.6	22.6	21.3

Hardware Setup

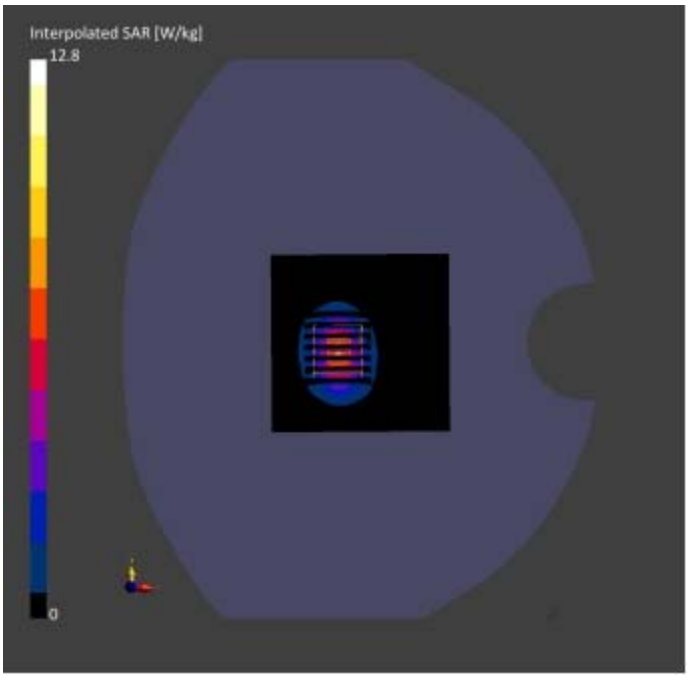
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2023-09-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-19	2023-09-19
psSAR1g [W/kg]	5.88	5.56
psSAR10g [W/kg]	2.61	2.42
Power Drift [dB]	-0.05	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.5
Dist 3dB Peak [mm]		9.2


Interpolated SAR [W/kg]
12.8
0

System Check: Head 2600MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	1.98	38.50	22.5	21.7

Hardware Setup

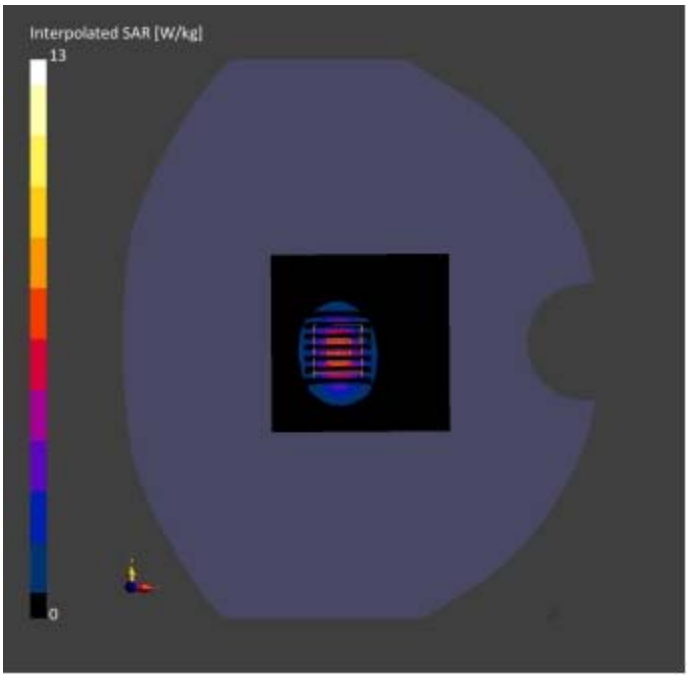
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2023-09-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-20	2023-09-20
psSAR1g [W/kg]	5.99	5.83
psSAR10g [W/kg]	2.62	2.56
Power Drift [dB]	0.06	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.1
Dist 3dB Peak [mm]		9.8


Interpolated SAR [W/kg]
13
0

System Check: Head 2600MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	1.97	38.6	22.2	21.4

Hardware Setup

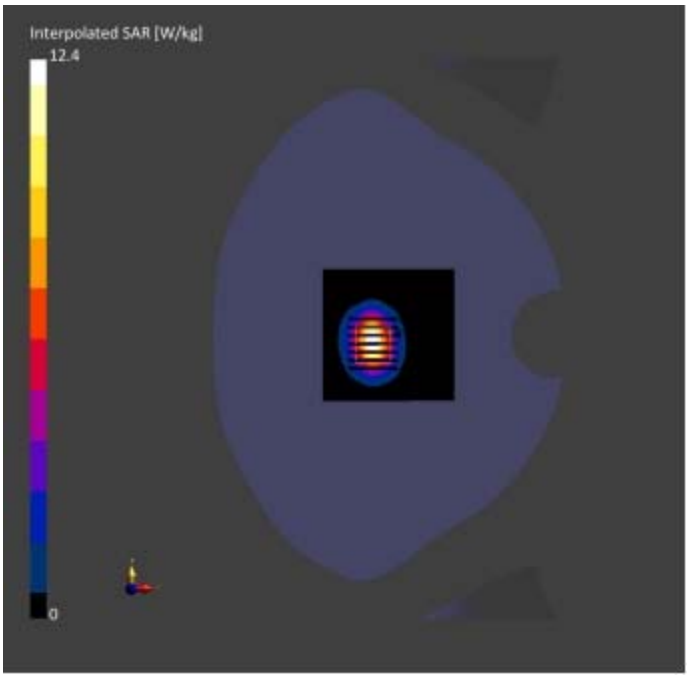
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2023-09-22	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-22	2023-09-22
psSAR1g [W/kg]	5.82	5.65
psSAR10g [W/kg]	2.61	2.50
Power Drift [dB]	0.00	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.4
Dist 3dB Peak [mm]		8.9


Interpolated SAR [W/kg]
12.4
0

System Check: Head 2600MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	1.98	38.5	22.7	21.3

Hardware Setup

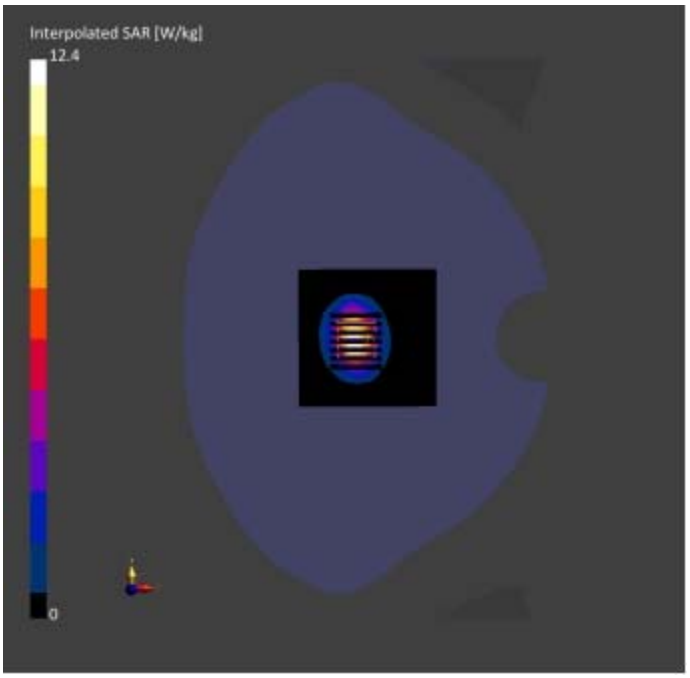
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2023-09-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-23	2023-09-23
psSAR1g [W/kg]	5.82	5.75
psSAR10g [W/kg]	2.59	2.53
Power Drift [dB]	0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.6
Dist 3dB Peak [mm]		9.0


Interpolated SAR [W/kg]
12.4
0

System Check: Head 2600MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V2	CW, 0--	2600.0, 50	7.41	1.98	38.6	22.4	21.4

Hardware Setup

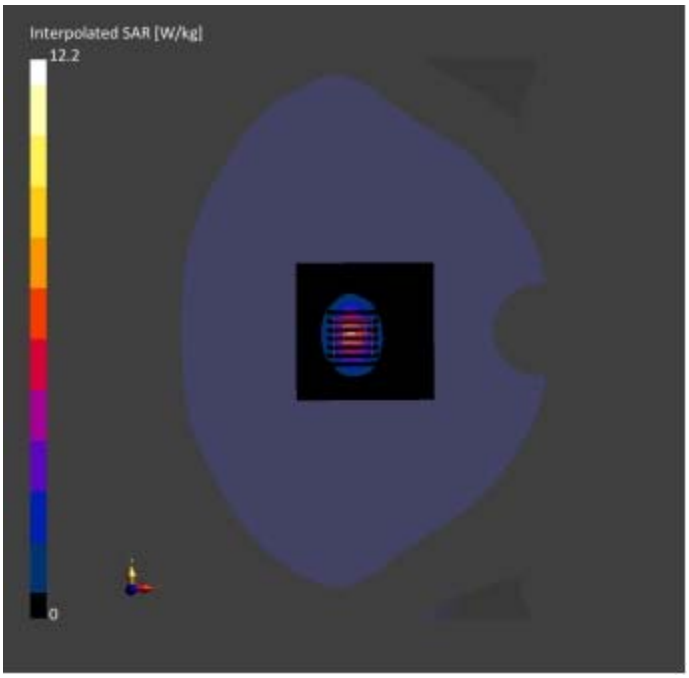
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-09-24	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-24	2023-09-24
psSAR1g [W/kg]	5.54	5.56
psSAR10g [W/kg]	2.51	2.43
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.6
Dist 3dB Peak [mm]		9.0



System Check: Head 5250MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHZV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		Validation band	CW, 0--	5250.0, 5250	5.41	4.70	35.9	22.3	21.5

Hardware Setup

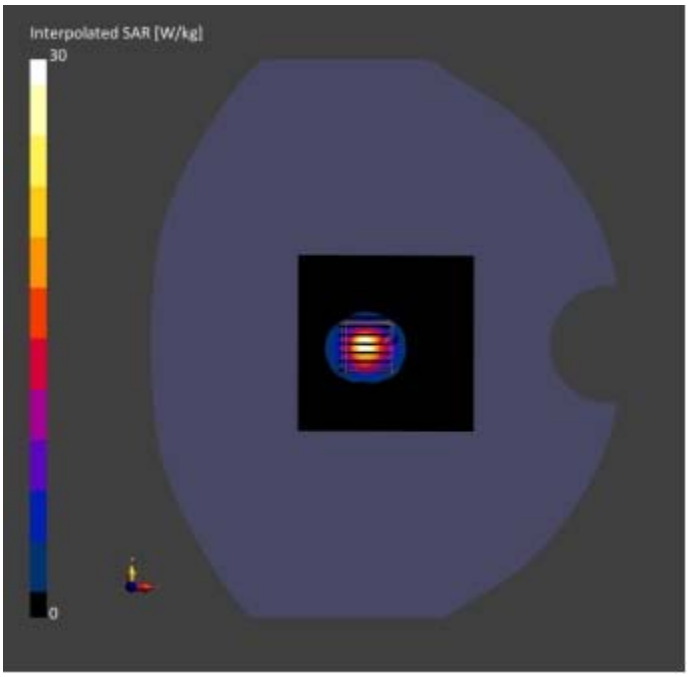
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2023-09-11	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-11	2023-09-11
psSAR1g [W/kg]	7.88	7.82
psSAR10g [W/kg]	2.29	2.25
Power Drift [dB]	-0.04	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.6
Dist 3dB Peak [mm]		6.8



System Check: Head 5250MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHZV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		Validation band	CW, 0--	5250.0, 5250	5.41	4.70	35.8	22.4	21.3

Hardware Setup

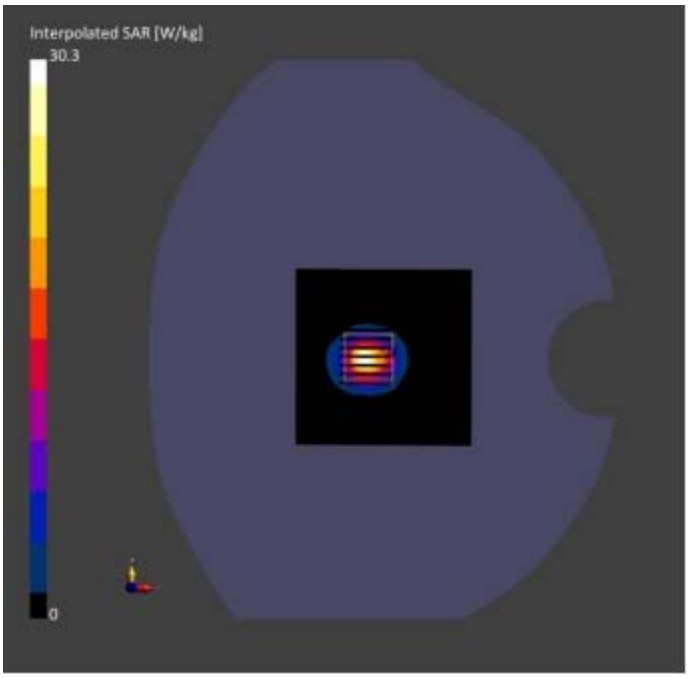
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-09-12	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-12	2023-09-12
psSAR1g [W/kg]	7.81	7.65
psSAR10g [W/kg]	2.28	2.13
Power Drift [dB]	0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		66.5
Dist 3dB Peak [mm]		6.8


Interpolated SAR [W/kg]
30.3
0

System Check: Head 5250MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	10.0 x 10.0 x 3.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		Validation band	CW, 0--	5250.0, 5250	5.41	4.70	35.8	22.6	21.8

Hardware Setup

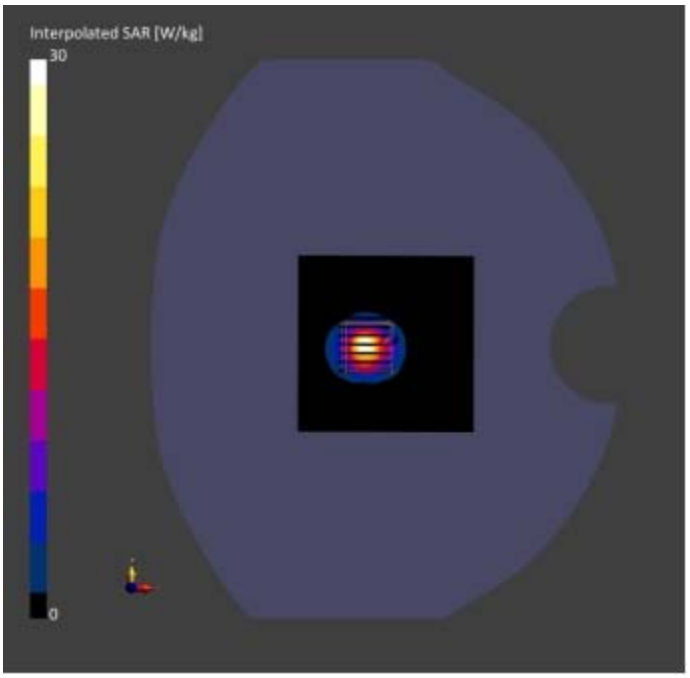
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-09-13	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-13	2023-09-13
psSAR1g [W/kg]	7.17	7.75
psSAR10g [W/kg]	2.12	2.19
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.3
Dist 3dB Peak [mm]		6.9


Interpolated SAR [W/kg]
30
0

System Check: Head 5600MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHZV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		Validation band	CW, 0--	5600.0, 5600	4.58	5.06	35.8	22.7	21.3

Hardware Setup

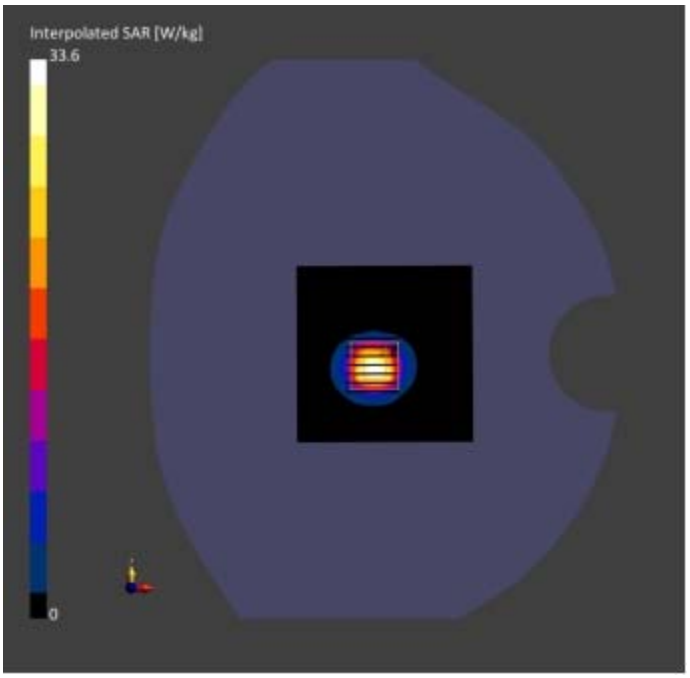
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-09-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-14	2023-09-
psSAR1g [W/kg]	8.38	8.46
psSAR10g [W/kg]	2.35	2.41
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.2
Dist 3dB Peak [mm]		7.1


Interpolated SAR [W/kg]
33.6
0

System Check: Head 5600MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHZV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		Validation band	CW, 0--	5600.0, 5600	4.58	5.06	35.4	22.6	21.2

Hardware Setup

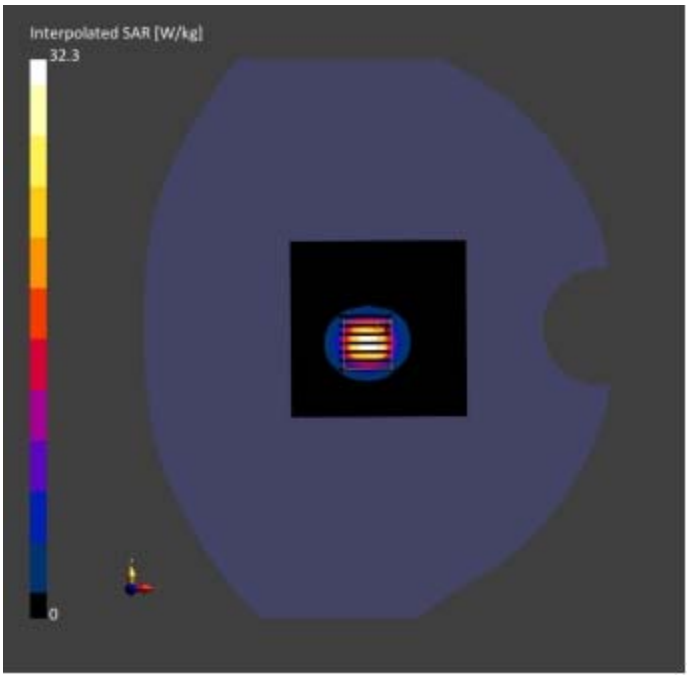
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-09-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-15	2023-09-15
psSAR1g [W/kg]	8.17	8.26
psSAR10g [W/kg]	2.21	2.29
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.1
Dist 3dB Peak [mm]		7.0


Interpolated SAR [W/kg]
32.3
0

System Check: Head 5750MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHZV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		Validation band	CW, 0--	5750.0, 5750	4.78	5.18	35.4	22.8	21.6

Hardware Setup

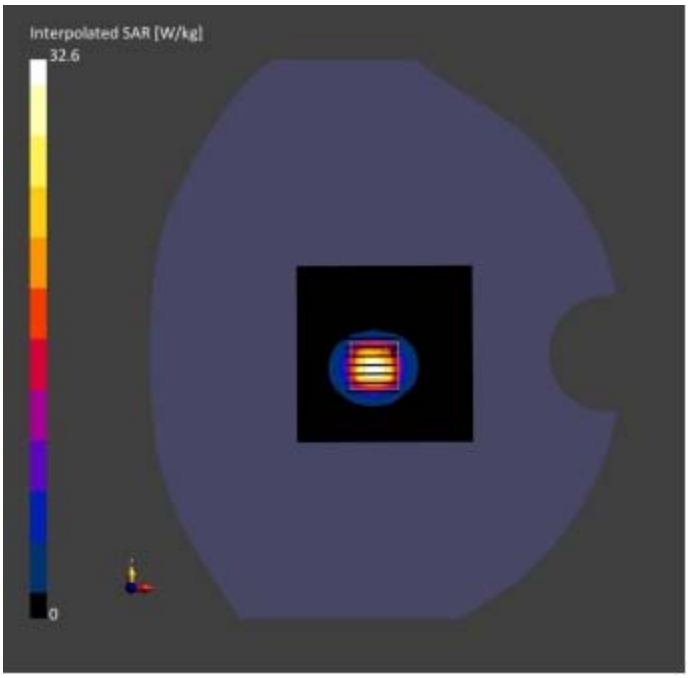
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-09-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-16	2023-09-16
psSAR1g [W/kg]	7.45	8.02
psSAR10g [W/kg]	2.21	2.23
Power Drift [dB]	-0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.4
Dist 3dB Peak [mm]		7.3


Interpolated SAR [W/kg]
32.6
0

System Check: Head 5750MHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHZV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		Validation band	CW, 0--	5750.0, 5750	4.78	5.17	35.3	22.3	21.4

Hardware Setup

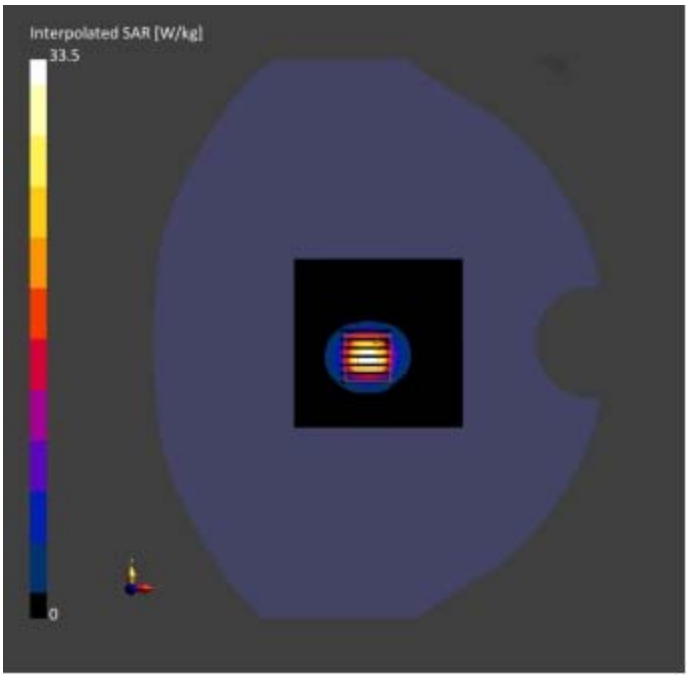
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-09-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-17	2023-09-17
psSAR1g [W/kg]	7.02	7.68
psSAR10g [W/kg]	2.03	2.15
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.1
Dist 3dB Peak [mm]		7.3


Interpolated SAR [W/kg]
33.5
0

ANNEX C TEST DATA

Meas.1 Right Head with Cheek on High Channel in GPRS850 4slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	GSM 850	GSM, 10028-DAC	848.8, 251	9.96	0.924	41.5	22.3	21.6

Hardware Setup

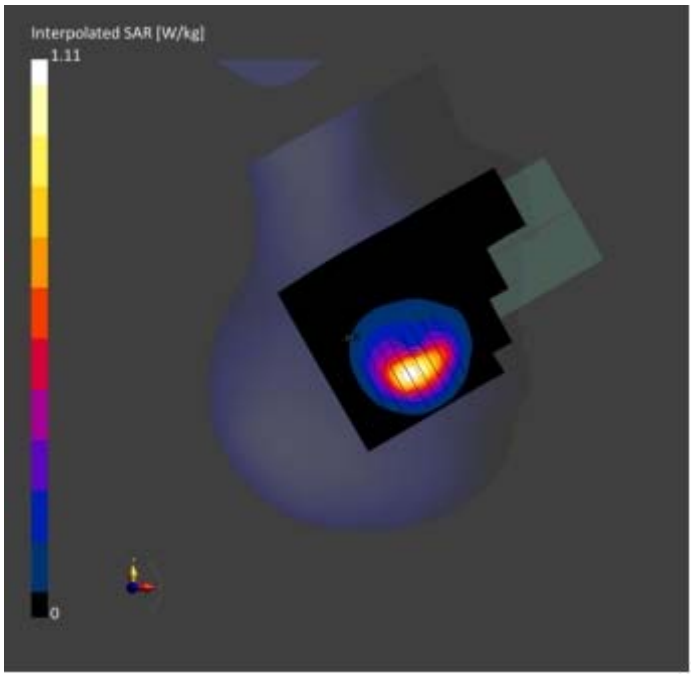
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-20	2023-08-20
psSAR1g [W/kg]	0.556	0.514
psSAR10g [W/kg]	0.326	0.255
Power Drift [dB]	0.02	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		40.7
Dist 3dB Peak [mm]		7.2


Interpolated SAR [W/kg]
1.11
0

Meas.2 Body Plane with Front Side 15mm on Middle Channel in GPRS850 4slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 15.00	GSM 850	GSM, 10028-DAC	836.6, 190	9.96	0.905	41.8	22.3	21.6

Hardware Setup

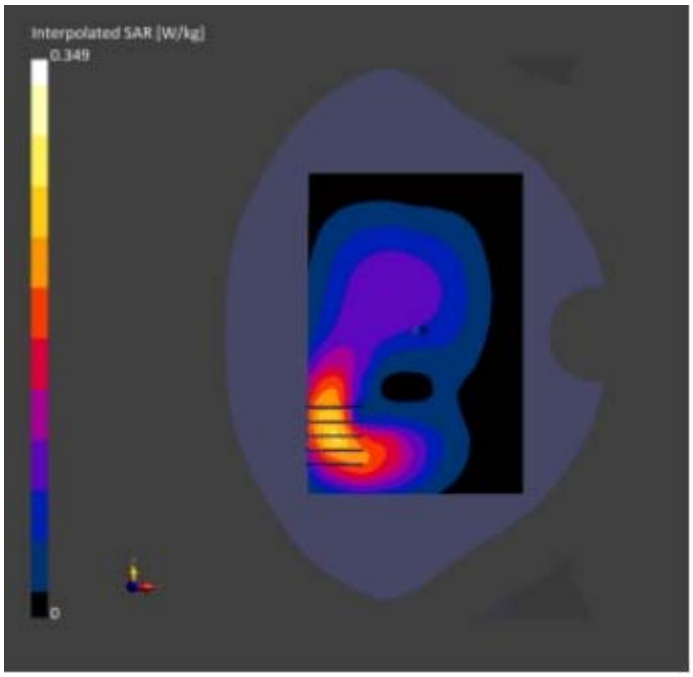
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-20	2023-08-20
psSAR1g [W/kg]	0.229	0.229
psSAR10g [W/kg]	0.149	0.141
Power Drift [dB]	-0.02	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.9
Dist 3dB Peak [mm]		12.9


Interpolated SAR [W/kg]
0.349
0

Meas.3 Body Plane with Right Edge 10mm on Middle Channel in GPRS850 4slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE RIGHT, 10.00	GSM 850	GSM, 10024-DAC	836.6, 190	9.96	0.905	41.8	22.3	21.6

Hardware Setup

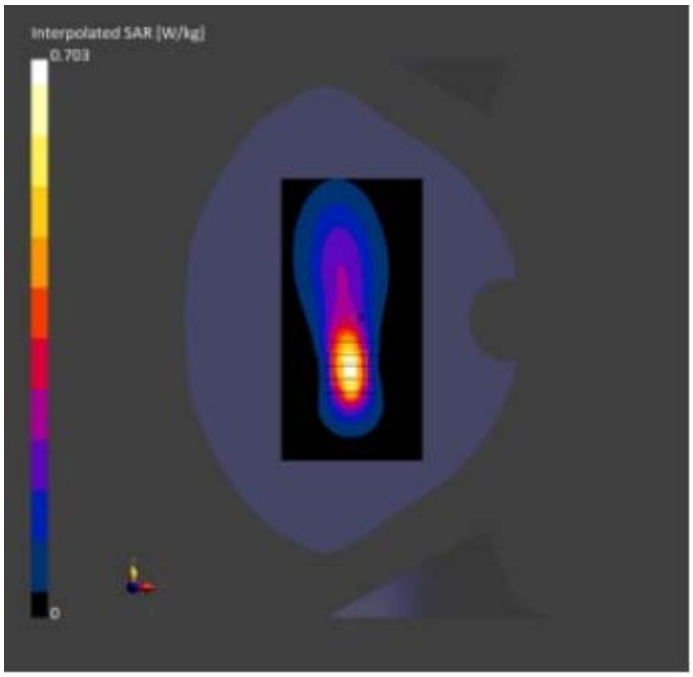
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-20	2023-08-20
psSAR1g [W/kg]	0.376	0.378
psSAR10g [W/kg]	0.211	0.194
Power Drift [dB]	0.00	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.3
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
0.703
0

Meas.4 Right Head with Cheek on Middle Channel in GPRS1900 4slots mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	168.0 x 78.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	PCS 1900	GSM, 10028-DAC	1880.0, 661	7.98	1.38	40.2	22.1	21.8

Hardware Setup

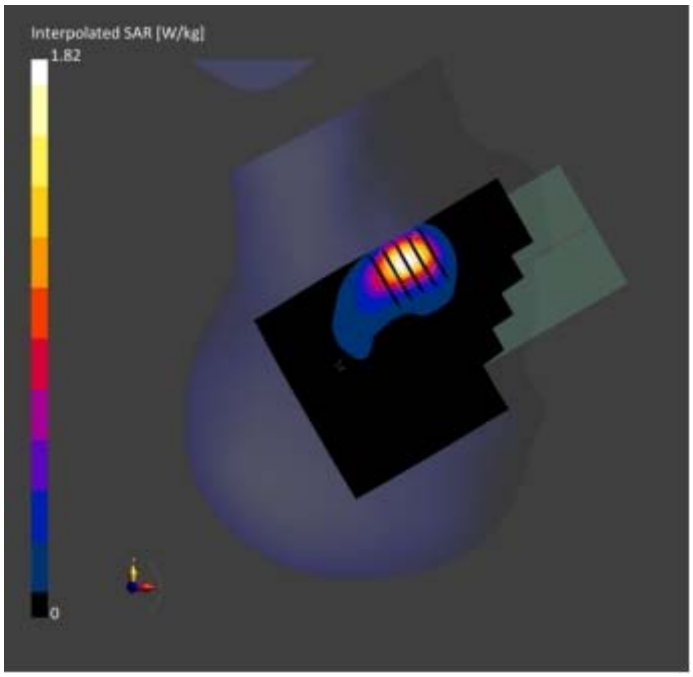
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2090	HBBL-600-10000 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	0.542	0.744
psSAR10g [W/kg]	0.281	0.340
Power Drift [dB]	0.01	0.02
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		57.6
Dist 3dB Peak [mm]		6.9


Interpolated SAR [W/kg]
1.82
0

Meas.5 Body Plane with Back Side 15mm on Middle Channel in GPRS1900 4slots mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	168.0 x 78.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	PCS 1900	GSM, 10028-DAC	1880.0, 661	7.98	1.38	40.2	22.1	21.8

Hardware Setup

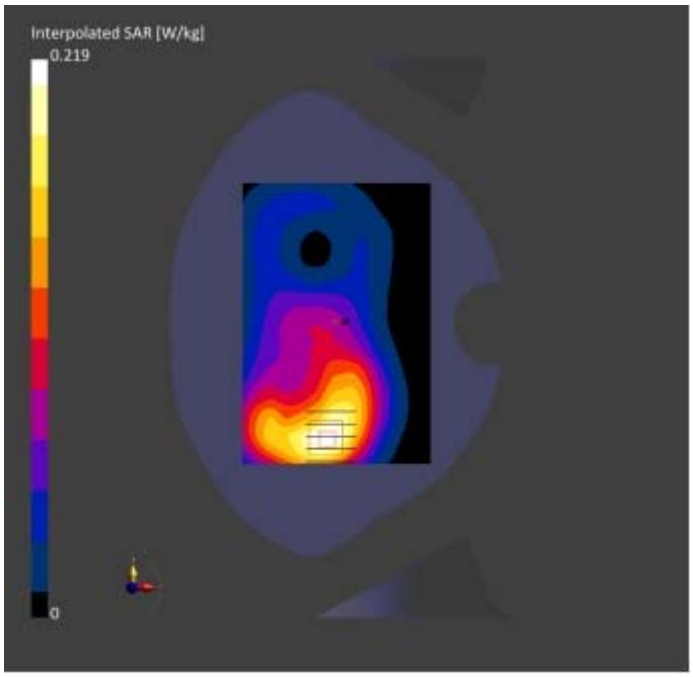
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2090	HBBL-600-10000 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	0.135	0.138
psSAR10g [W/kg]	0.082	0.085
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.2
Dist 3dB Peak [mm]		19.3


Interpolated SAR [W/kg]
0.219
0

Meas.6 Body Plane with Top Edge 10mm on Middle Channel in GPRS1900 4slots mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	168.0 x 78.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	PCS 1900	GSM, 10028-DAC	1880.0, 661	7.98	1.38	40.2	22.1	21.8

Hardware Setup

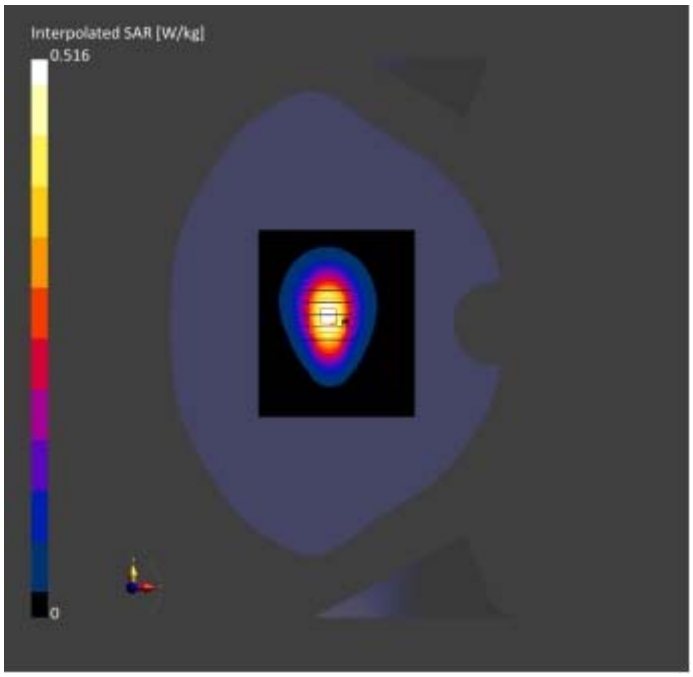
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2090	HBBL-600-10000 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	0.290	0.304
psSAR10g [W/kg]	0.162	0.169
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.0
Dist 3dB Peak [mm]		12.8


Interpolated SAR [W/kg]
0.516
0

Meas.7 Right Head with Cheek on High Channel in WCDMA Band2 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 2	WCDMA, 10011-CAC	1907.6, 9538	7.98	1.40	39.9	22.1	21.8

Hardware Setup

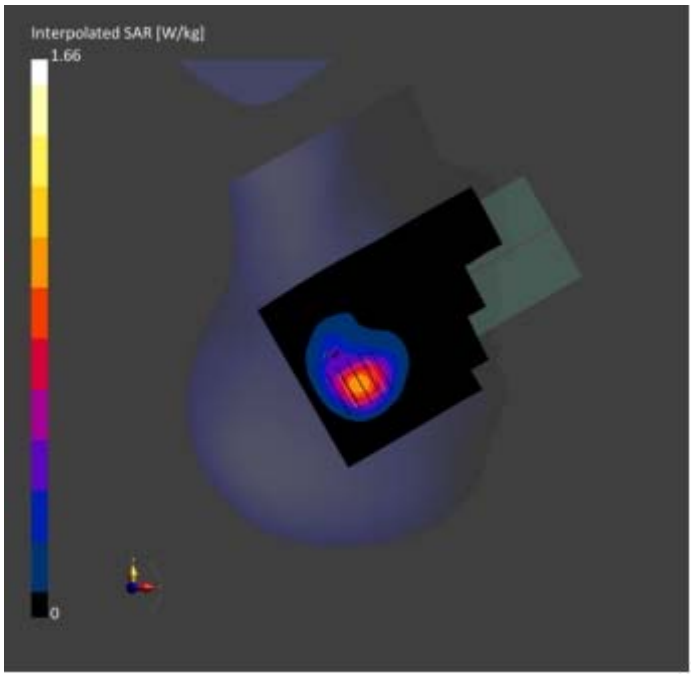
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	0.870	0.934
psSAR10g [W/kg]	0.471	0.483
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.7
Dist 3dB Peak [mm]		11.1


Interpolated SAR [W/kg]
1.66
0

Meas.8 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band2 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 2	WCDMA, 10011-CAC	1880, 9400	7.98	1.38	40.2	22.1	21.8

Hardware Setup

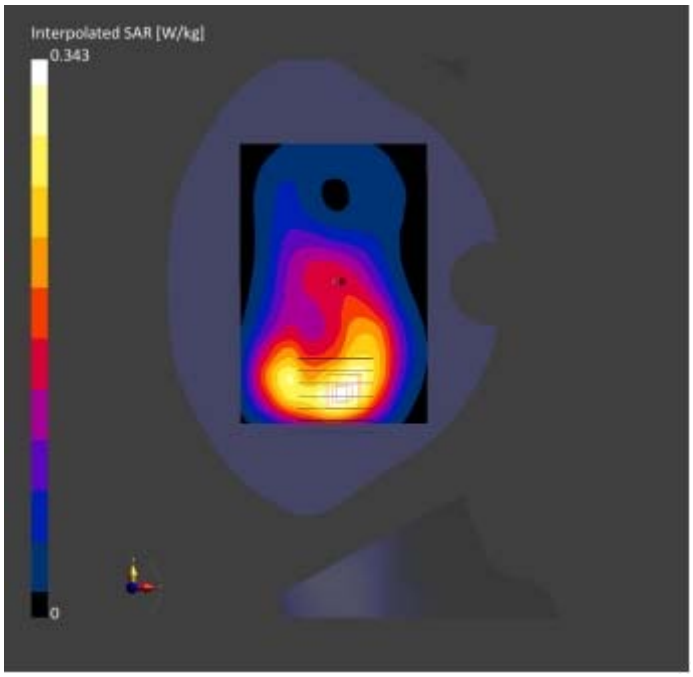
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	0.211	0.222
psSAR10g [W/kg]	0.128	0.138
Power Drift [dB]	-0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.8
Dist 3dB Peak [mm]		17.2


Interpolated SAR [W/kg]
0.343
0

Meas.9 Body Plane with Top Edge 10mm on Middle Channel in WCDMA Band2 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band 2	WCDMA, 10011-CAC	1880.0, 9400	7.98	1.38	40.2	22.1	21.8

Hardware Setup

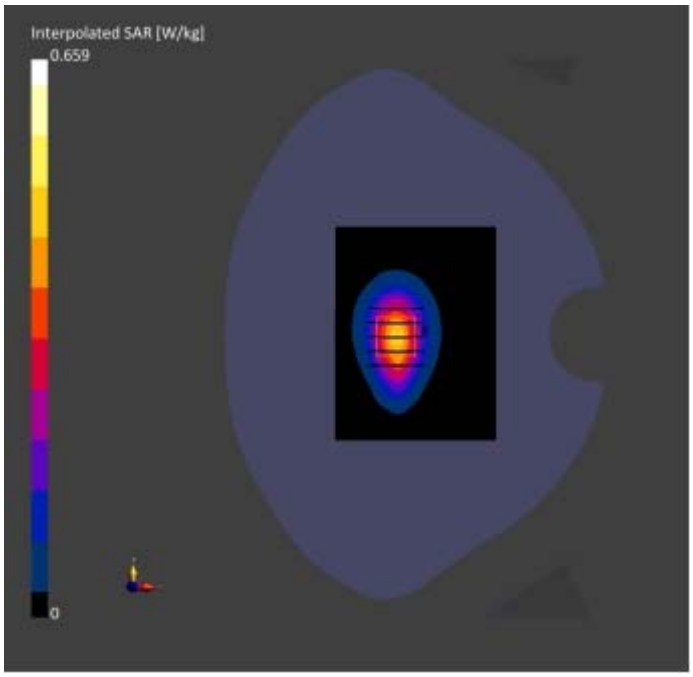
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	0.387	0.388
psSAR10g [W/kg]	0.208	0.222
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.5
Dist 3dB Peak [mm]		11.6


Interpolated SAR [W/kg]
0.659
0

Meas.10 Right Head with Cheek on High Channel in WCDMA Band4 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 4	WCDMA, 10011-CAC	1752.6, 1513	8.52	1.38	40.1	22.1	21.7

Hardware Setup

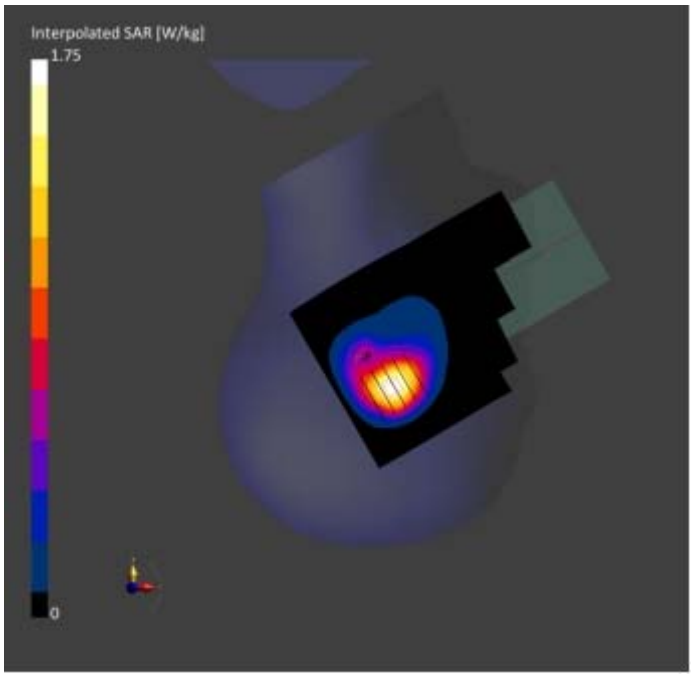
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-23	2023-08-23
psSAR1g [W/kg]	0.911	0.994
psSAR10g [W/kg]	0.520	0.534
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.1
Dist 3dB Peak [mm]		11.1


Interpolated SAR [W/kg]
1.75
0

Meas.11 Body Plane with Back Side 15mm on Low Channel in WCDMA Band4 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 4	WCDMA, 10011-CAC	1712.4, 1312	8.52	1.34	40.7	22.1	21.7

Hardware Setup

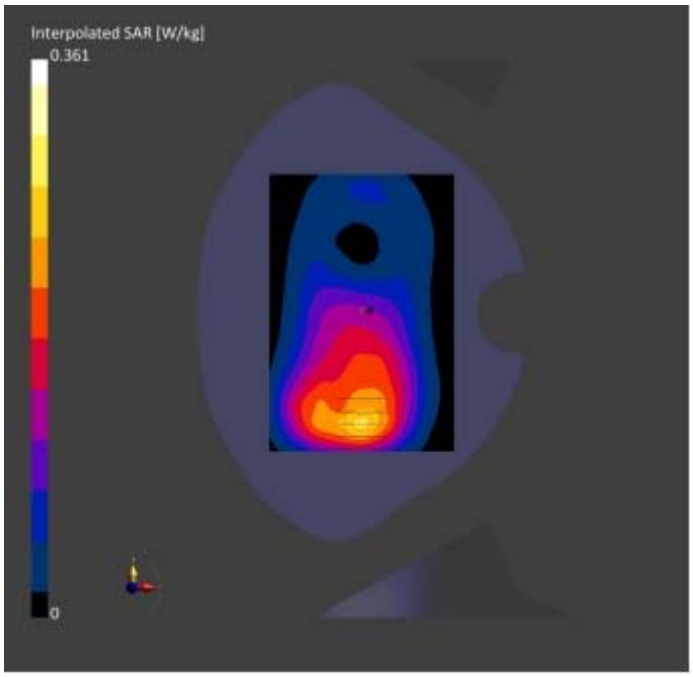
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-23	2023-08-23
psSAR1g [W/kg]	0.231	0.238
psSAR10g [W/kg]	0.141	0.151
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.1
Dist 3dB Peak [mm]		18.7


Interpolated SAR [W/kg]
0.361
0

Meas.12 Body Plane with Top Edge 10mm on Low Channel in WCDMA Band4 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band 4	WCDMA, 10011-CAC	1712.4, 1312	8.52	1.34	40.7	22.1	21.7

Hardware Setup

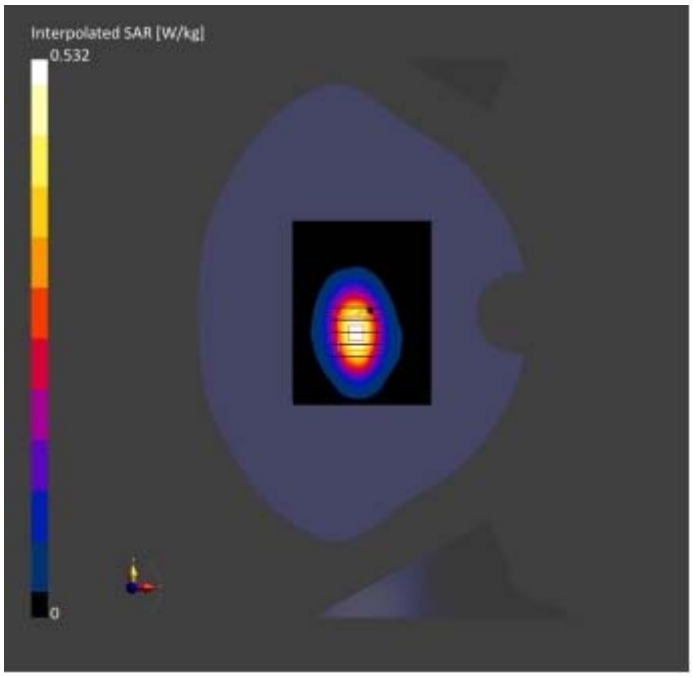
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-23	2023-08-23
psSAR1g [W/kg]	0.313	0.327
psSAR10g [W/kg]	0.176	0.185
Power Drift [dB]	-0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.7
Dist 3dB Peak [mm]		12.8


Interpolated SAR [W/kg]
0.532
0

Meas.13 Right Head with Cheek on Middle Channel in WCDMA Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 5	WCDMA, 10011-CAC	836.4, 4182	9.96	0.904	41.8	22.7	21.8

Hardware Setup

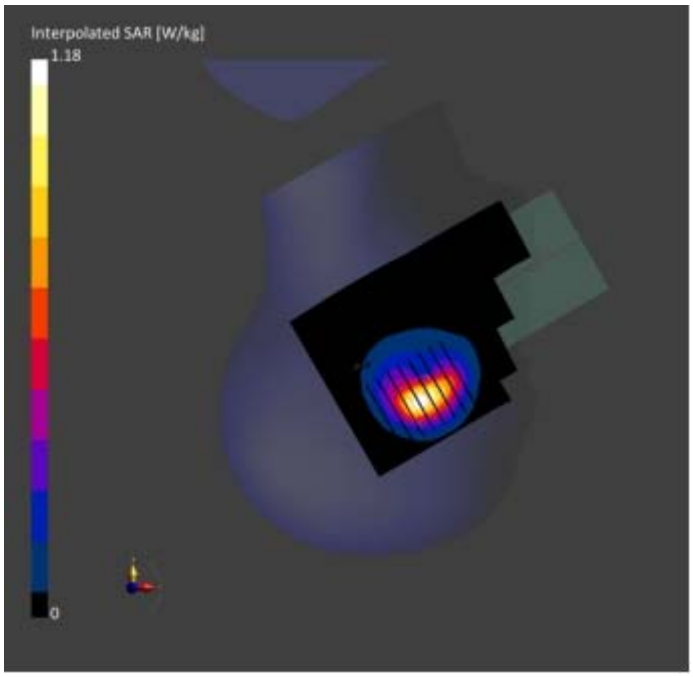
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-22	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-22	2023-08-22
psSAR1g [W/kg]	0.592	0.544
psSAR10g [W/kg]	0.346	0.270
Power Drift [dB]	0.05	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		40.8
Dist 3dB Peak [mm]		7.2


Interpolated SAR [W/kg]
1.18
0

Meas.14 Body Plane with Front Side 15mm on High Channel in WCDMA Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 15.00	Band 5	WCDMA, 10011-CAC	836.4, 4182	9.96	0.904	41.8	22.7	21.8

Hardware Setup

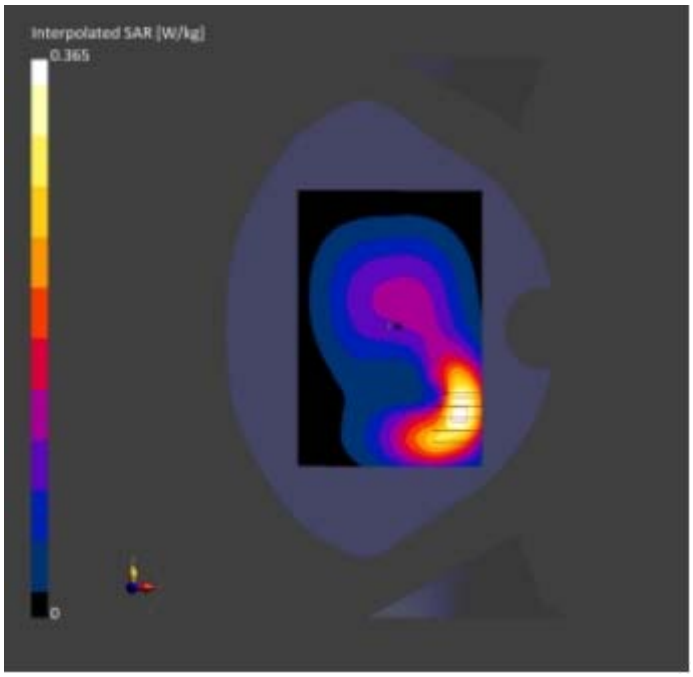
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-22	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-22	2023-08-22
psSAR1g [W/kg]	0.238	0.234
psSAR10g [W/kg]	0.151	0.143
Power Drift [dB]	0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.0
Dist 3dB Peak [mm]		12.9


Interpolated SAR [W/kg]
0.365
0

Meas.15 Body Plane with Right Edge 10mm on High Channel in WCDMA Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE RIGHT, 10.00	Band 5	WCDMA, 10011-CAC	836.4, 4182	9.96	0.904	41.8	22.7	21.8

Hardware Setup

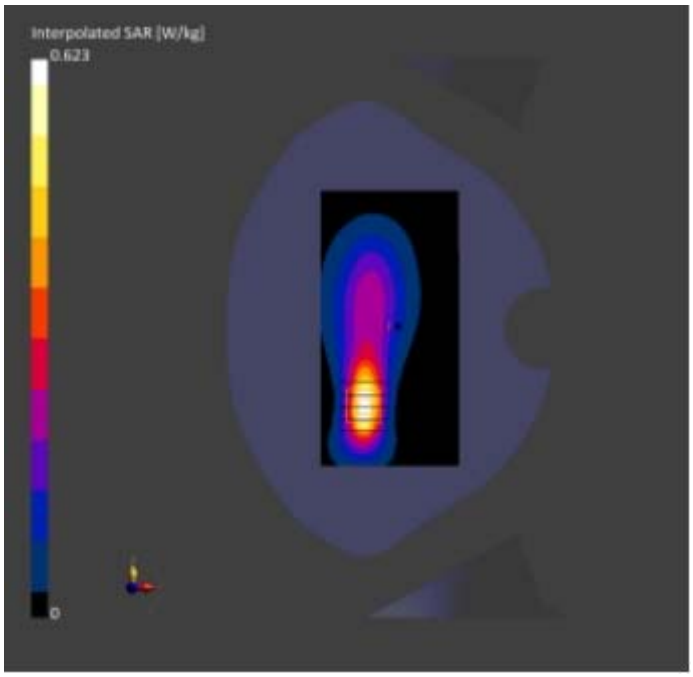
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-22	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-22	2023-08-22
psSAR1g [W/kg]	0.342	0.336
psSAR10g [W/kg]	0.196	0.178
Power Drift [dB]	-0.10	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.6
Dist 3dB Peak [mm]		9.3


Interpolated SAR [W/kg]
0.623
0

Meas.16 Right Head with Cheek on Middle Channel in LTE Band2 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	168.0 x 78.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 2	LTE-FDD, 10100-CAF	1880.0, 18900	7.98	1.38	40.2	22.1	21.8

Hardware Setup

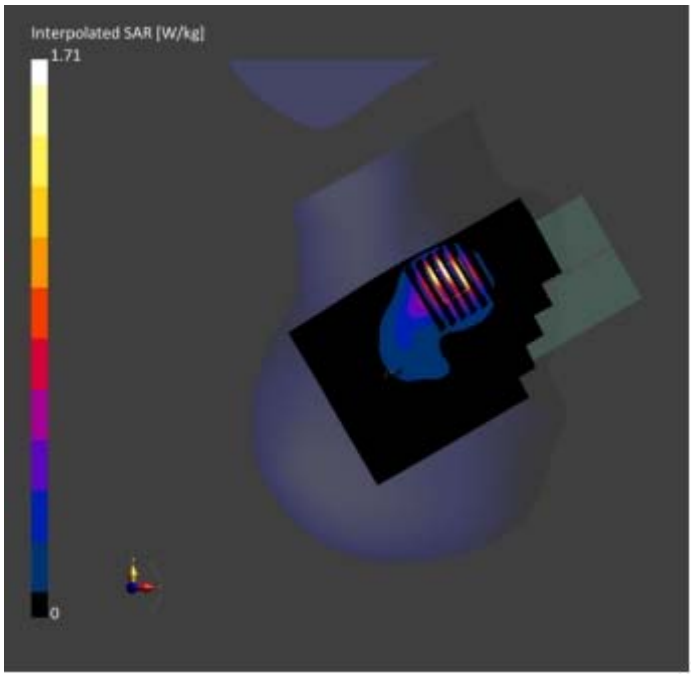
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2090	HBBL-600-10000 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	0.626	0.861
psSAR10g [W/kg]	0.328	0.402
Power Drift [dB]	0.03	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.6
Dist 3dB Peak [mm]		6.5


Interpolated SAR [W/kg]
1.71
0

Meas.17 Body Plane with Back Side 15mm on High Channel in LTE Band2 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 2	LTE-FDD, 10169-CAF	1900.0, 19100	7.98	1.39	40.0	22.1	21.8

Hardware Setup

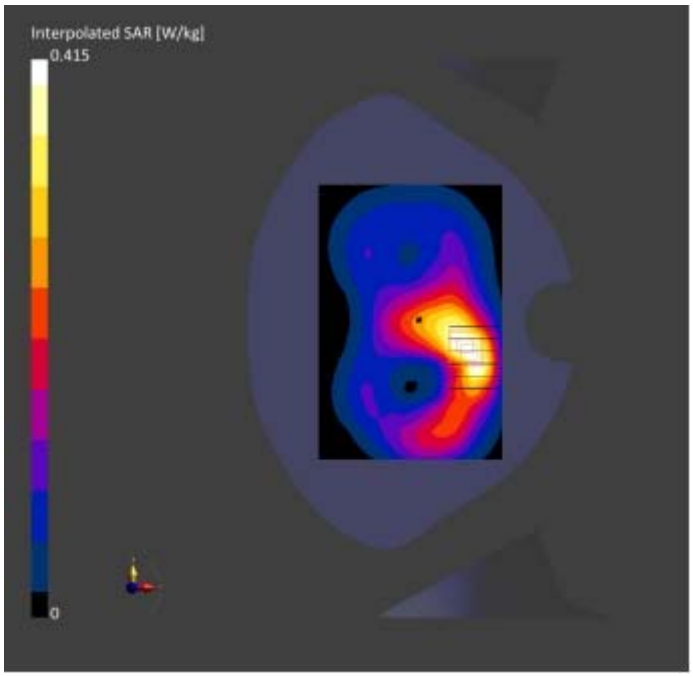
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	0.218	0.251
psSAR10g [W/kg]	0.129	0.142
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.6
Dist 3dB Peak [mm]		12.2


Interpolated SAR [W/kg]
0.415
0

Meas.18 Body Plane with Top Edge 10mm on High Channel in LTE Band2 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band 2	LTE-FDD, 10169-CAF	1900.0, 19100	7.98	1.39	40.0	22.1	21.8

Hardware Setup

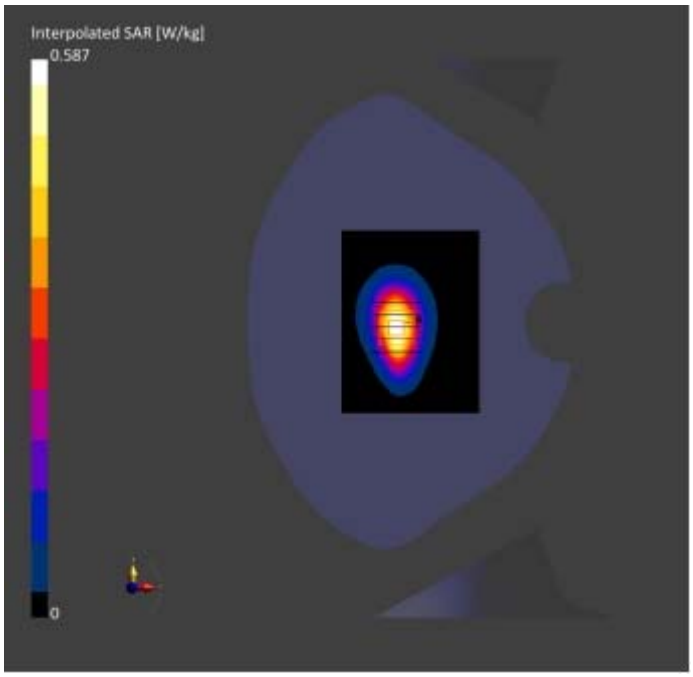
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	0.338	0.348
psSAR10g [W/kg]	0.180	0.190
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.3
Dist 3dB Peak [mm]		11.2


Interpolated SAR [W/kg]
0.587
0

Meas.19 Body Plane with Top Edge 0mm on High Channel in LTE Band2 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 0.00	Band 2	LTE-FDD, 10169-CAF	1900.0, 19100	7.98	1.39	40.0	22.1	21.8

Hardware Setup

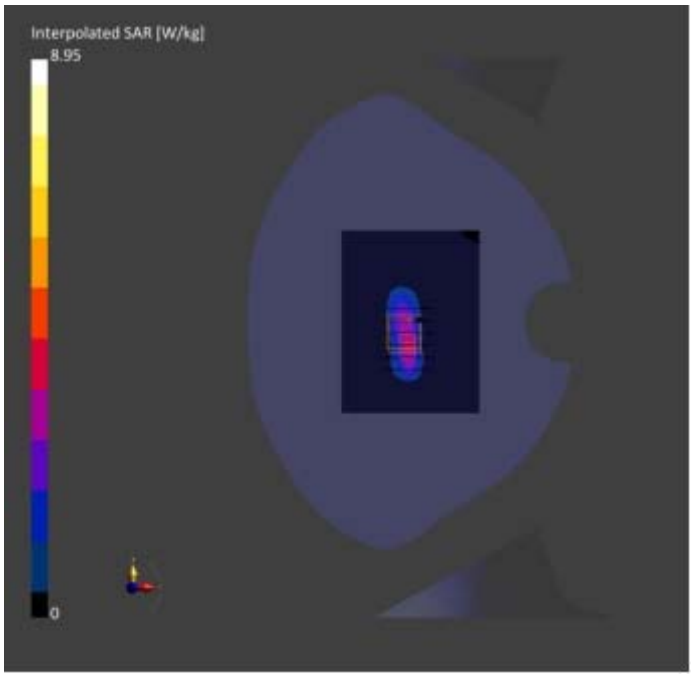
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	3.06	3.42
psSAR10g [W/kg]	1.39	1.38
Power Drift [dB]	-0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		31.1
Dist 3dB Peak [mm]		4.8


Interpolated SAR [W/kg]
8.95
0

Meas.20 Right Head with Cheek on High Channel in LTE Band4 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 4	LTE-FDD, 10169-CAF	1745.0, 20300	8.52	1.38	40.2	22.1	21.7

Hardware Setup

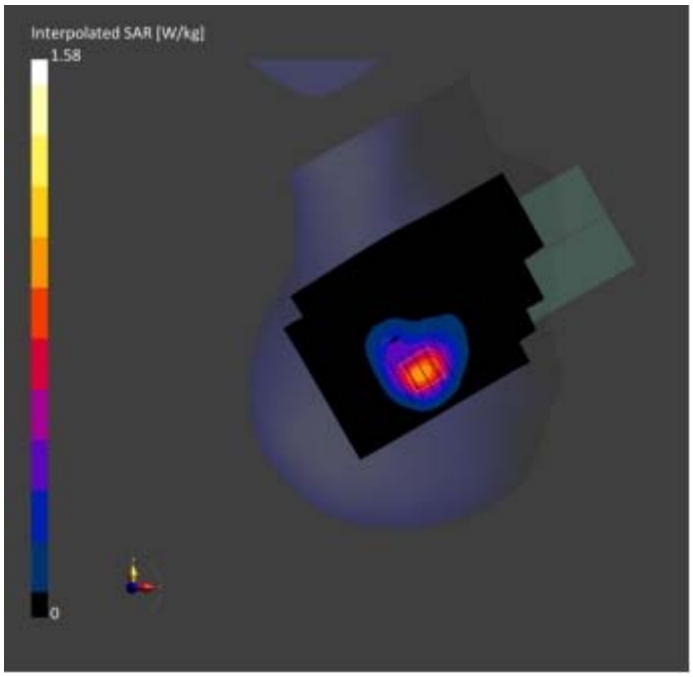
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-23	2023-08-23
psSAR1g [W/kg]	0.819	0.882
psSAR10g [W/kg]	0.456	0.474
Power Drift [dB]	0.04	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.9
Dist 3dB Peak [mm]		11.1


Interpolated SAR [W/kg]
1.58
0

Meas.21 Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 4	LTE-FDD, 10169-CAF	1732.5, 20175	8.52	1.37	40.4	22.1	21.7

Hardware Setup

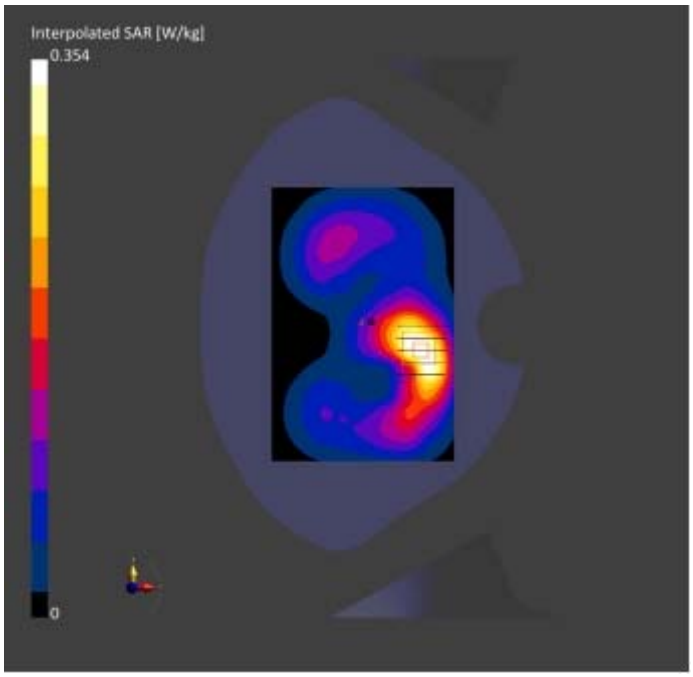
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-23	2023-08-23
psSAR1g [W/kg]	0.196	0.217
psSAR10g [W/kg]	0.117	0.127
Power Drift [dB]	-0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.6
Dist 3dB Peak [mm]		13.6


Interpolated SAR [W/kg]
0.354
0

Meas.22 Body Plane with Top Edge 10mm on Middle Channel in LTE Band4 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band 4	LTE-FDD, 10169-CAF	1732.5, 20175	8.52	1.37	40.4	22.1	21.7

Hardware Setup

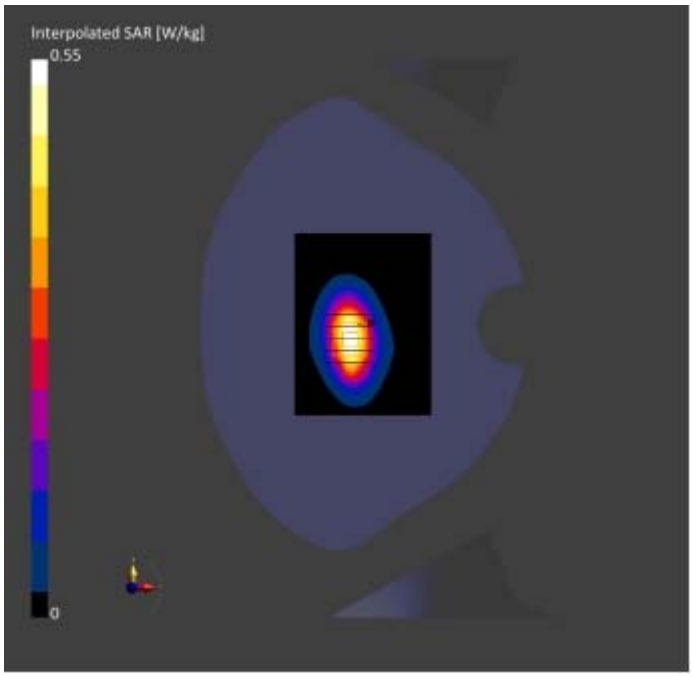
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-23	2023-08-23
psSAR1g [W/kg]	0.326	0.335
psSAR10g [W/kg]	0.179	0.189
Power Drift [dB]	-0.01	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.2
Dist 3dB Peak [mm]		11.3


Interpolated SAR [W/kg]
0.55
0

Meas.23 Body Plane with Top Edge 0mm on Middle Channel in LTE Band4 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE Top, 0.00	Band 4	LTE-FDD, 10169-CAF	1732.5, 20175	8.52	1.37	40.4	22.1	21.7

Hardware Setup

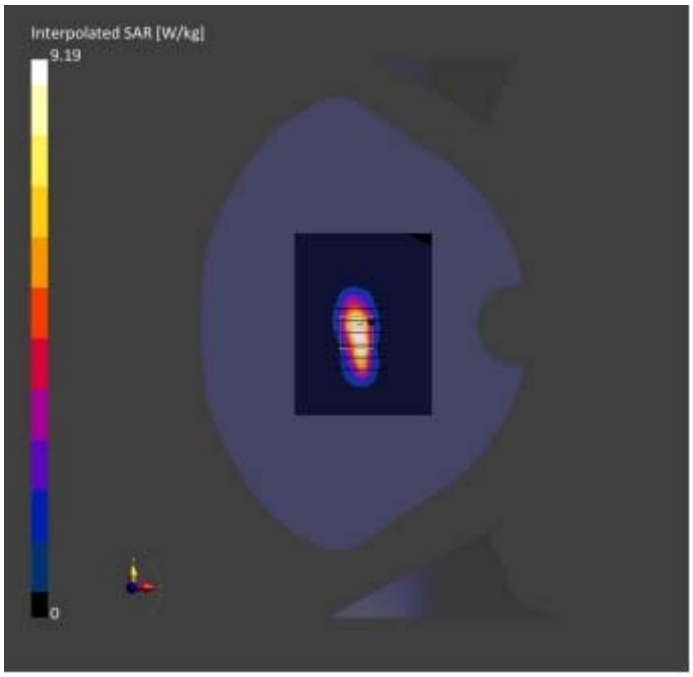
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-23	2023-08-23
psSAR1g [W/kg]	3.55	3.89
psSAR10g [W/kg]	1.69	1.71
Power Drift [dB]	-0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		27.2
Dist 3dB Peak [mm]		4.8


Interpolated SAR [W/kg]
9.19
0

Meas.24 Right Head with Cheek on Middle Channel in LTE Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 5	LTE-FDD, 10175-CAH	836.5, 20525	9.96	0.904	41.6	22.4	21.7

Hardware Setup

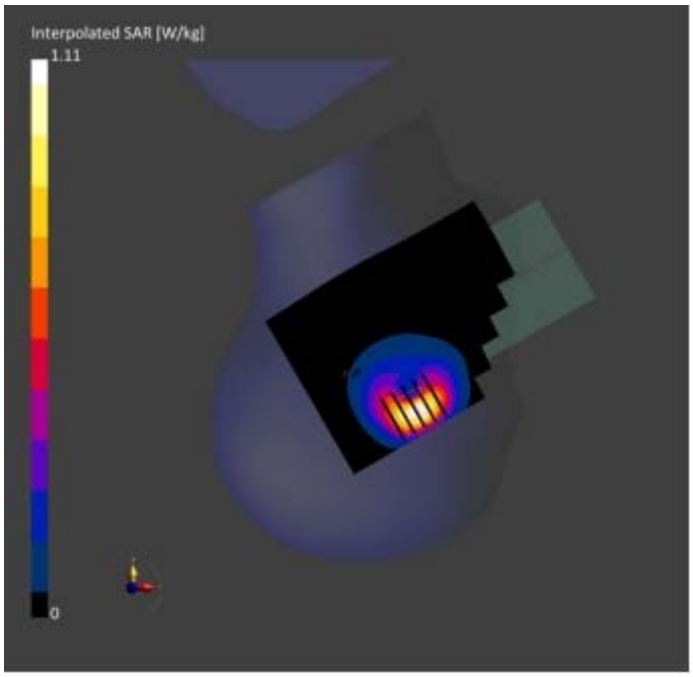
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-27	2023-08-27
psSAR1g [W/kg]	0.532	0.535
psSAR10g [W/kg]	0.313	0.263
Power Drift [dB]	0.00	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.0
Dist 3dB Peak [mm]		6.5


Interpolated SAR [W/kg]
1.11
0

Meas.25 Body Plane with Front Side 15mm on Middle Channel in LTE Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 15.00	Band 5	LTE-FDD, 10175-CAH	836.5, 20525	9.96	0.904	41.6	22.4	21.7

Hardware Setup

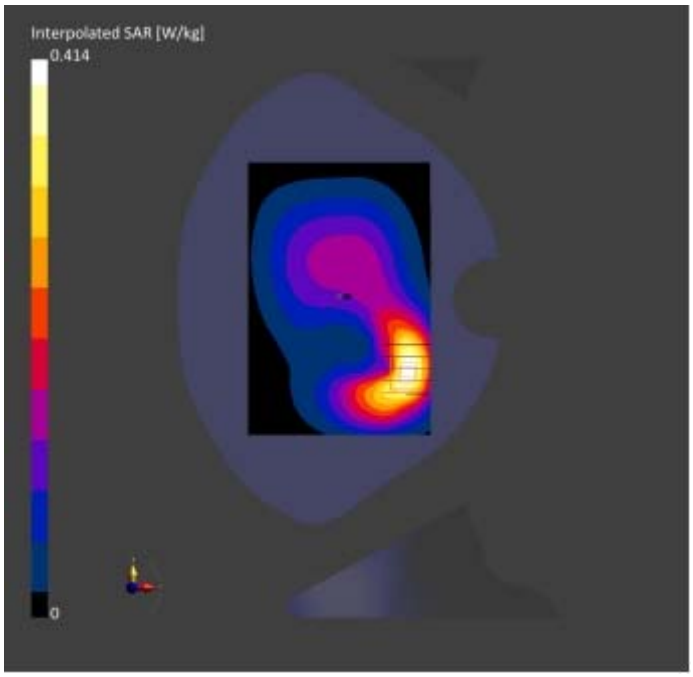
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-27	2023-08-27
psSAR1g [W/kg]	0.265	0.267
psSAR10g [W/kg]	0.168	0.162
Power Drift [dB]	0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.3
Dist 3dB Peak [mm]		12.9


Interpolated SAR [W/kg]
0.414
0

Meas.26 Body Plane with Right Edge 10mm on Middle Channel in LTE Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE RIGHT, 10.00	Band 5	LTE-FDD, 10175-CAH	836.5, 20525	9.96	0.904	41.6	22.4	21.7

Hardware Setup

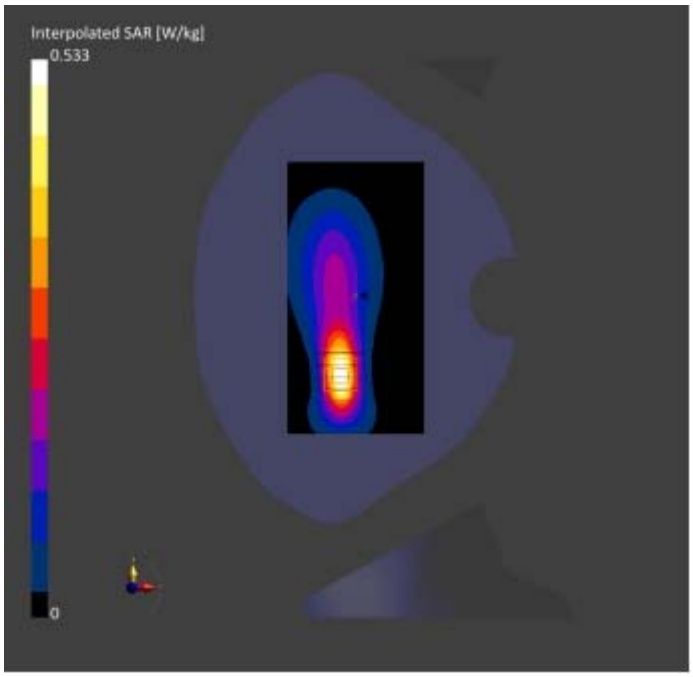
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-27	2023-08-27
psSAR1g [W/kg]	0.295	0.298
psSAR10g [W/kg]	0.169	0.159
Power Drift [dB]	0.11	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.1
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
0.533
0

Meas.27 Right Head with Cheek on High Channel in LTE Band7 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 7	LTE-FDD, 10169-CAF	2560.0, 21350	7.41	1.93	39.0	22.2	21.8

Hardware Setup

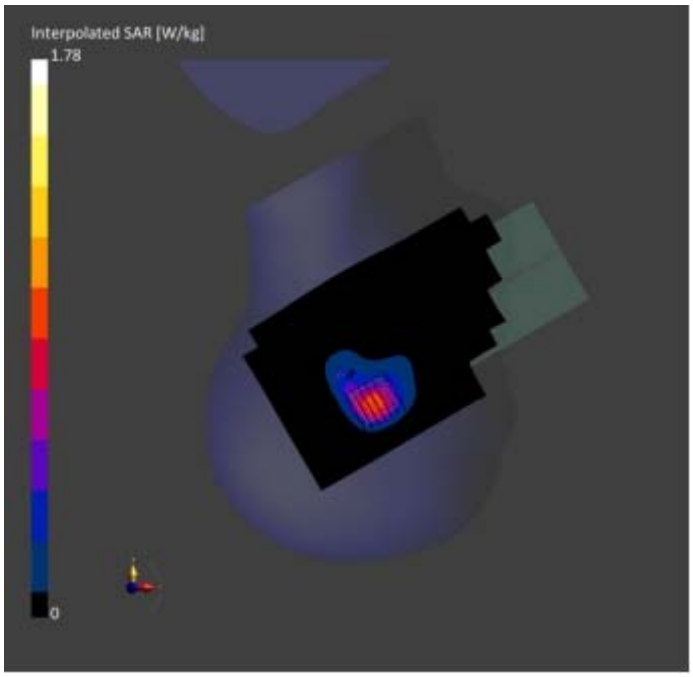
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-09-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-02	2023-09-02
psSAR1g [W/kg]	0.772	0.850
psSAR10g [W/kg]	0.373	0.380
Power Drift [dB]	-0.04	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.2
Dist 3dB Peak [mm]		7.8


Interpolated SAR [W/kg]
1.78
0

Meas.28 Body Plane with Back Side 15mm on Middle Channel in LTE Band7 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 7	LTE-FDD, 10169-CAF	2535.0, 21100	7.41	1.90	39.1	22.2	21.8

Hardware Setup

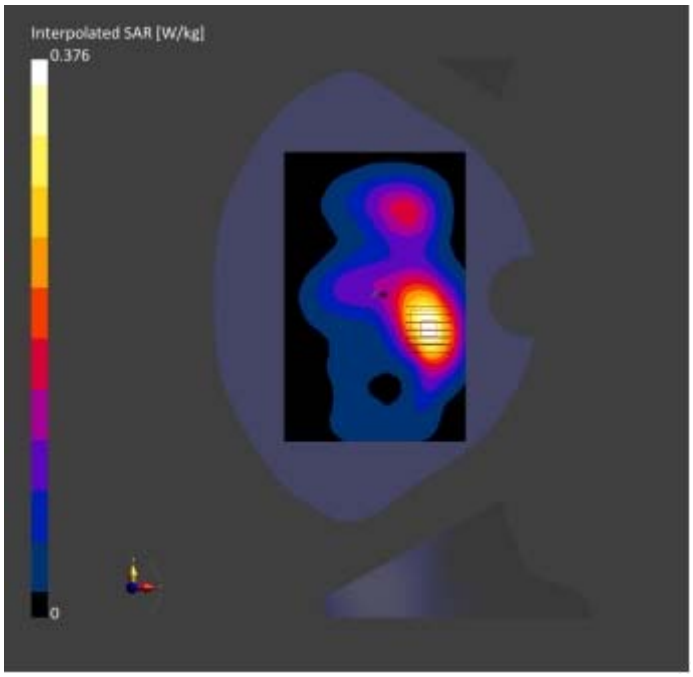
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-09-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-02	2023-09-02
psSAR1g [W/kg]	0.205	0.209
psSAR10g [W/kg]	0.110	0.115
Power Drift [dB]	0.00	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.6
Dist 3dB Peak [mm]		15.7


Interpolated SAR [W/kg]
0.376
0

Meas.29 Body Plane with Top Edge 10mm on Middle Channel in LTE Band7 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band 7	LTE-FDD, 10169-CAF	2535.0, 21100	7.41	1.90	39.1	22.2	21.8

Hardware Setup

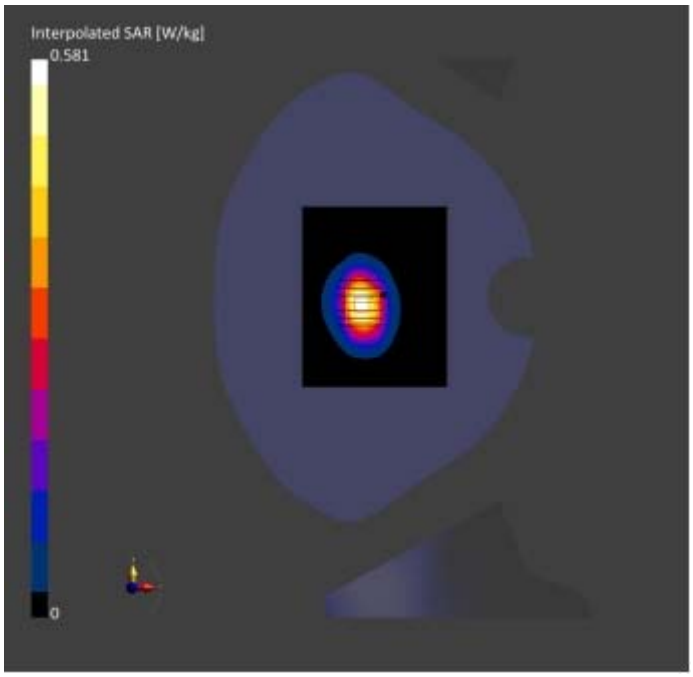
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-09-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-02	2023-09-02
psSAR1g [W/kg]	0.284	0.305
psSAR10g [W/kg]	0.141	0.148
Power Drift [dB]	0.04	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.5
Dist 3dB Peak [mm]		10.0


Interpolated SAR [W/kg]
0.581
0

Meas.30 Body Plane with Left Edge 0mm on Middle Channel in LTE Band7 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 10.00	Band 7	LTE-FDD, 10169-CAF	2535.0, 21100	7.41	1.90	39.1	22.2	21.8

Hardware Setup

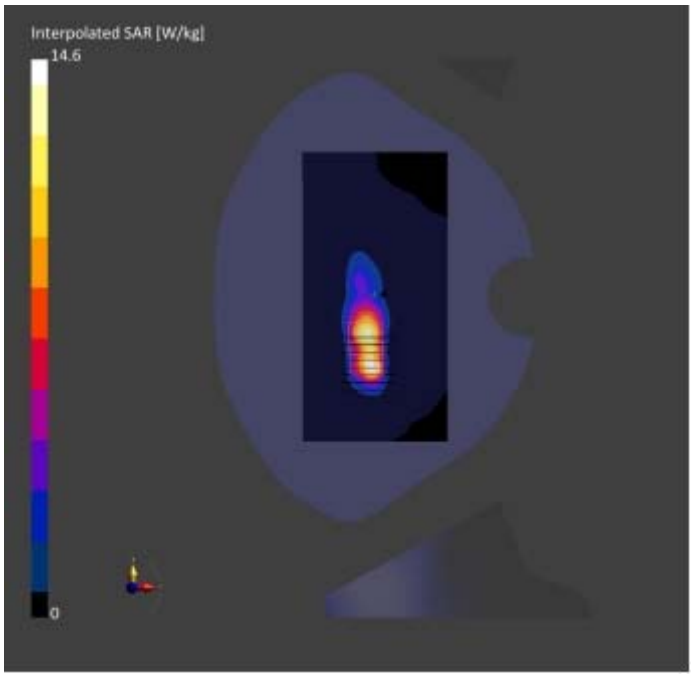
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-09-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-02	2023-09-02
psSAR1g [W/kg]	3.18	4.92
psSAR10g [W/kg]	1.43	1.72
Power Drift [dB]	-0.10	-0.02
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		26.1
Dist 3dB Peak [mm]		4.0


Interpolated SAR [W/kg]
14.6
0

Meas.31 Right Head with Cheek on Middle Channel in LTE Band12 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 12	LTE-FDD, 10175-CAH	707.5, 23095	10.31	0.885	42.4	22.8	21.6

Hardware Setup

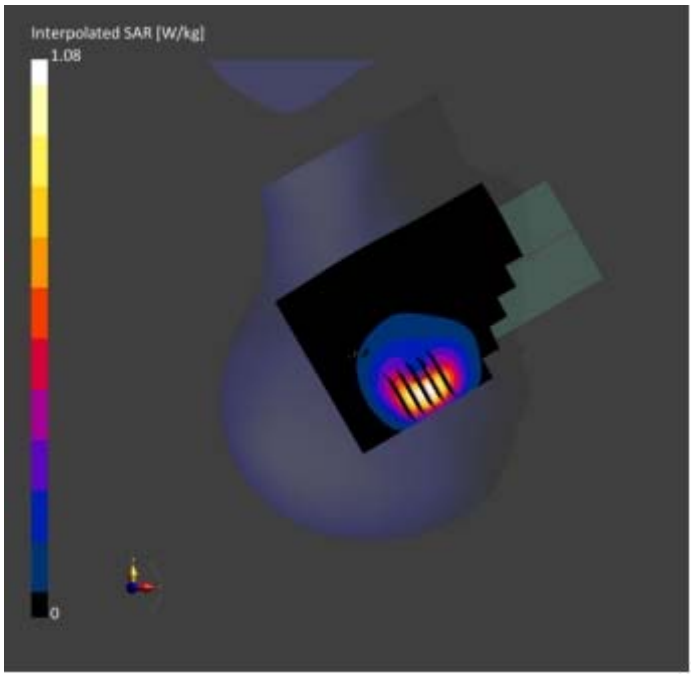
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-17	2023-08-17
psSAR1g [W/kg]	0.492	0.484
psSAR10g [W/kg]	0.296	0.231
Power Drift [dB]	-0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		41.4
Dist 3dB Peak [mm]		4.8


Interpolated SAR [W/kg]
1.08
0

Meas.32 Body Plane with Front Side 15mm on Middle Channel in LTE Band12 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 15.00	Band 12	LTE-FDD, 10175-CAH	707.5, 23095	10.31	0.885	42.4	22.8	21.6

Hardware Setup

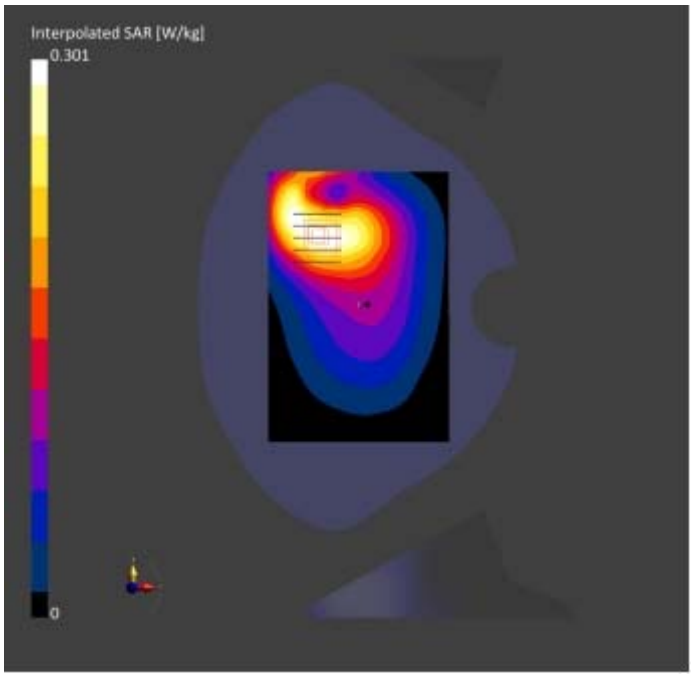
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-17	2023-08-17
psSAR1g [W/kg]	0.190	0.196
psSAR10g [W/kg]	0.131	0.131
Power Drift [dB]	-0.04	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.7
Dist 3dB Peak [mm]		20.8


Interpolated SAR [W/kg]
0.301
0

Meas.33 Body Plane with Right Edge 10mm on Middle Channel in LTE Band12 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE RIGHT, 10.00	Band 12	LTE-FDD, 10175-CAH	707.5, 23095	10.31	0.885	42.4	22.8	21.6

Hardware Setup

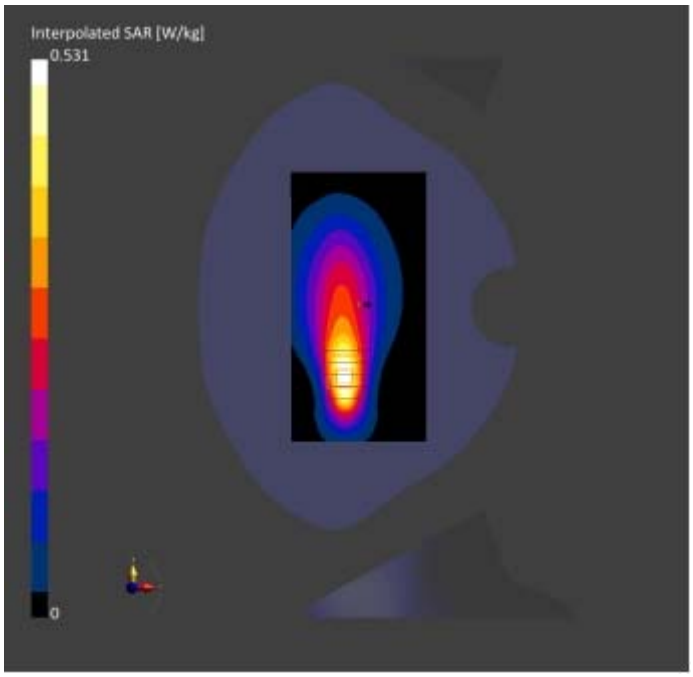
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-17	2023-08-17
psSAR1g [W/kg]	0.320	0.318
psSAR10g [W/kg]	0.195	0.187
Power Drift [dB]	-0.02	0.01
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		58.2
Dist 3dB Peak [mm]		10.1


Interpolated SAR [W/kg]
0.531
0

Meas.34 Right Head with Cheek on Low Channel in LTE Band17 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 17	LTE-FDD, 10175-CAH	709.0, 23780	10.31	0.887	42.4	22.8	21.6

Hardware Setup

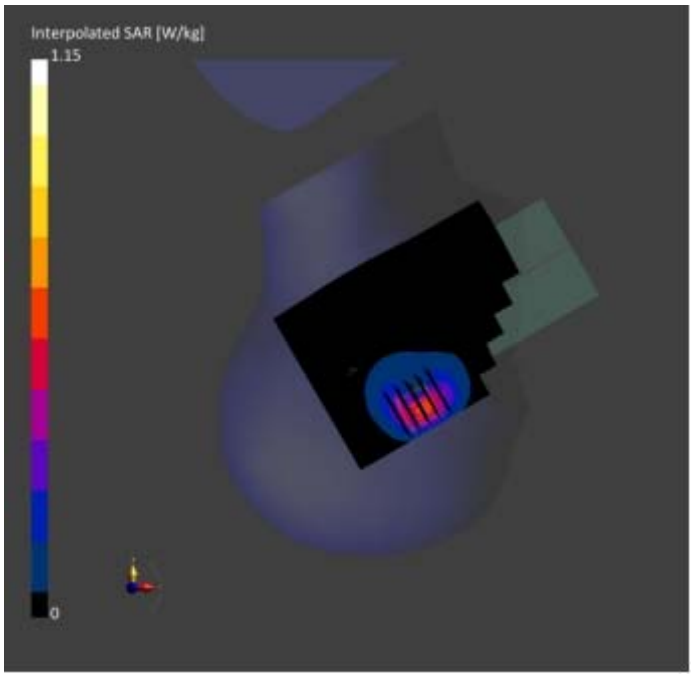
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-17	2023-08-17
psSAR1g [W/kg]	0.510	0.510
psSAR10g [W/kg]	0.307	0.242
Power Drift [dB]	-0.04	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		40.9
Dist 3dB Peak [mm]		4.8


Interpolated SAR [W/kg]
1.15
0

Meas.35 Body Plane with Front Side 15mm on Low Channel in LTE Band17 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 15.00	Band 17	LTE-FDD, 10175-CAH	709.0, 23780	10.31	0.887	42.4	22.8	21.6

Hardware Setup

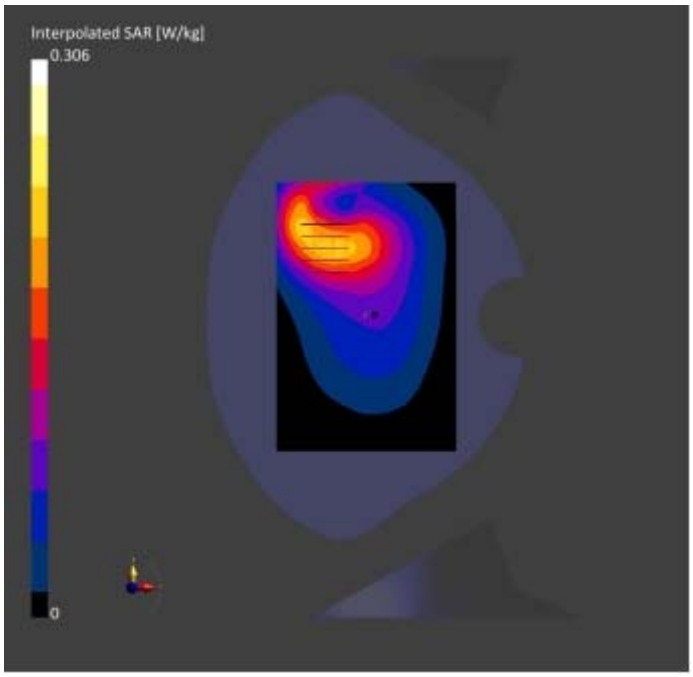
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-17	2023-08-17
psSAR1g [W/kg]	0.196	0.201
psSAR10g [W/kg]	0.134	0.134
Power Drift [dB]	0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.6
Dist 3dB Peak [mm]		20.8


Interpolated SAR [W/kg]
0.306
0

Meas.36 Body Plane with Right Edge 10mm on Low Channel in LTE Band17 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE RIGHT, 10.00	Band 17	LTE-FDD, 10175-CAH	709.0, 23780	10.31	0.887	42.4	22.8	21.6

Hardware Setup

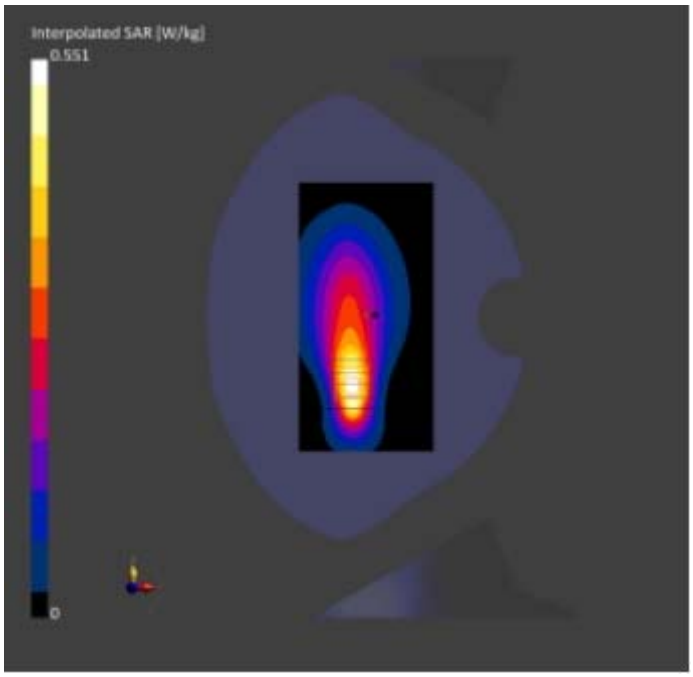
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-17	2023-08-17
psSAR1g [W/kg]	0.331	0.328
psSAR10g [W/kg]	0.201	0.193
Power Drift [dB]	-0.00	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.5
Dist 3dB Peak [mm]		10.1


Interpolated SAR [W/kg]
0.551
0

Meas.37 Right Head with Cheek on High Channel in LTE Band26 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 26	LTE-FDD, 10181-CAF	841.5, 26965	9.96	0.911	41.5	22.4	21.7

Hardware Setup

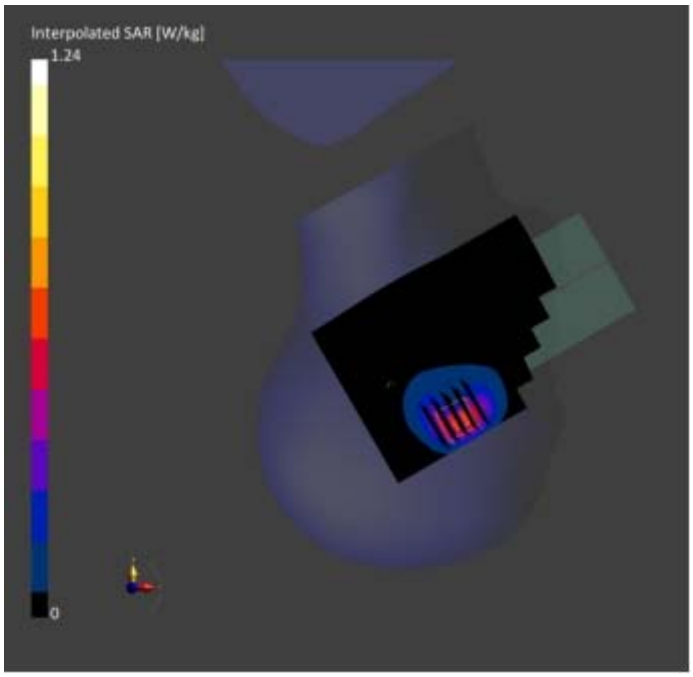
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-27	2023-08-27
psSAR1g [W/kg]	0.577	0.565
psSAR10g [W/kg]	0.339	0.271
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.1
Dist 3dB Peak [mm]		7.2


Interpolated SAR [W/kg]
1.24
0

Meas.38 Body Plane with Front Side 15mm on High Channel in LTE Band26 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 15.00	Band 26	LTE-FDD, 10181-CAF	841.5, 26965	9.96	0.911	41.5	22.4	21.7

Hardware Setup

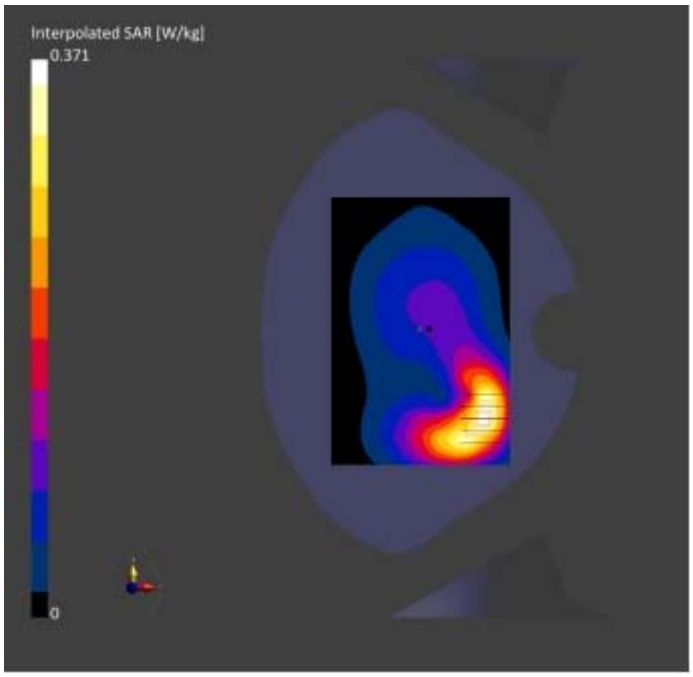
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-27	2023-08-27
psSAR1g [W/kg]	0.229	0.238
psSAR10g [W/kg]	0.146	0.145
Power Drift [dB]	0.03	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.9
Dist 3dB Peak [mm]		12.9


Interpolated SAR [W/kg]
0.371
0

Meas.39 Body Plane with Right Edge 10mm on High Channel in LTE Band26 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE RIGHT, 10.00	Band 26	LTE-FDD, 10181-CAF	841.5, 26965	9.96	0.911	41.5	22.4	21.7

Hardware Setup

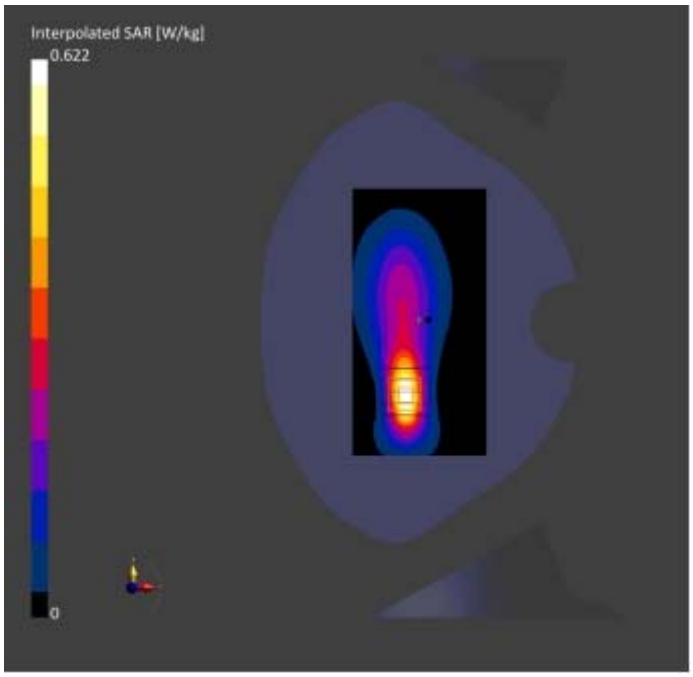
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-27	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-27	2023-08-27
psSAR1g [W/kg]	0.357	0.352
psSAR10g [W/kg]	0.205	0.189
Power Drift [dB]	-0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.5
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
0.622
0

Meas.40 Right Head with Cheek on High Channel in LTE Band66 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 66	LTE-FDD, 10169-CAF	1770.0, 132572	8.52	1.40	40.0	22.1	21.7

Hardware Setup

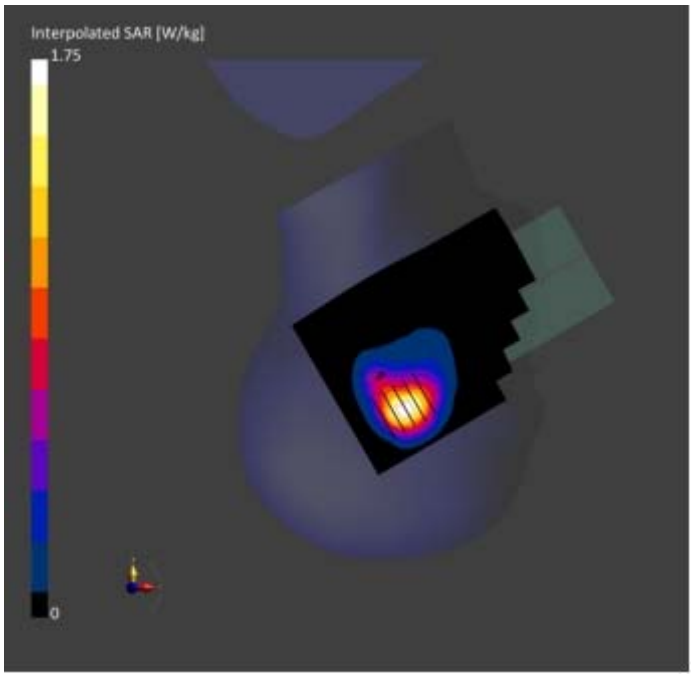
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-23	2023-08-23
psSAR1g [W/kg]	0.997	0.965
psSAR10g [W/kg]	0.556	0.529
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.2
Dist 3dB Peak [mm]		10.7


Interpolated SAR [W/kg]
1.75
0

Meas.41 Body Plane with Back Side 15mm on Middle Channel in LTE Band66 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 66	LTE-FDD, 10169-CAF	1745.0, 132322	8.52	1.38	40.2	22.1	21.7

Hardware Setup

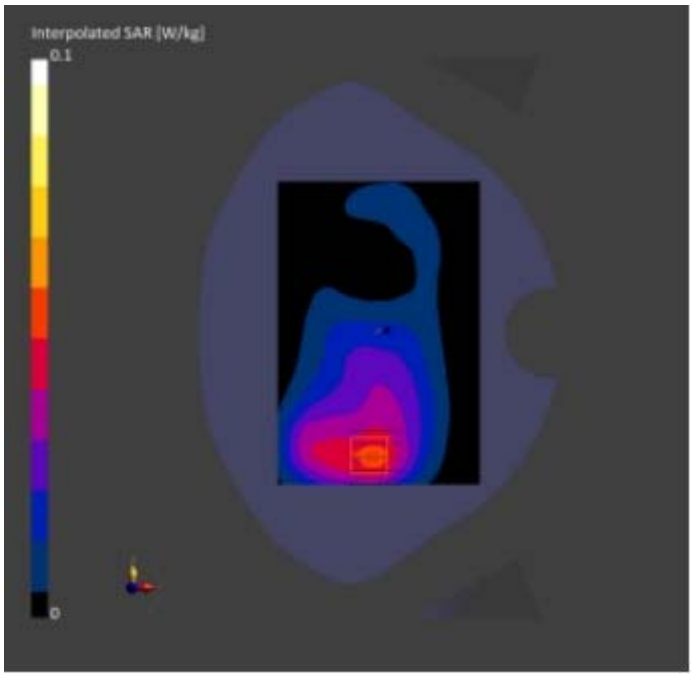
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-23	2023-08-23
psSAR1g [W/kg]	0.046	0.046
psSAR10g [W/kg]	0.028	0.029
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.0
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.1
0

Meas.42 Body Plane with Top Edge 10mm on Middle Channel in LTE Band66 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band 66	LTE-FDD, 10169-CAF	1745.0, 132322	8.52	1.38	40.2	22.1	21.7

Hardware Setup

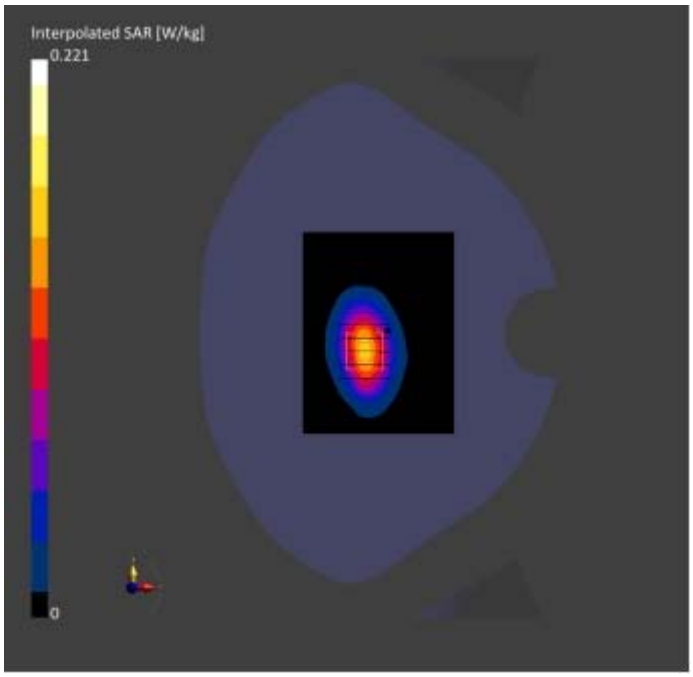
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-23	2023-08-23
psSAR1g [W/kg]	0.128	0.134
psSAR10g [W/kg]	0.071	0.075
Power Drift [dB]	-0.04	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.0
Dist 3dB Peak [mm]		11.2


Interpolated SAR [W/kg]
0.221
0

Meas.43 Right Head with Cheek on Middle Channel in LTE Band38 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	168.0 x 78.0 x 10.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 38	LTE-TDD, 10172-CAH	2595.0, 38000	7.41	1.98	38.5	22.9	21.8

Hardware Setup

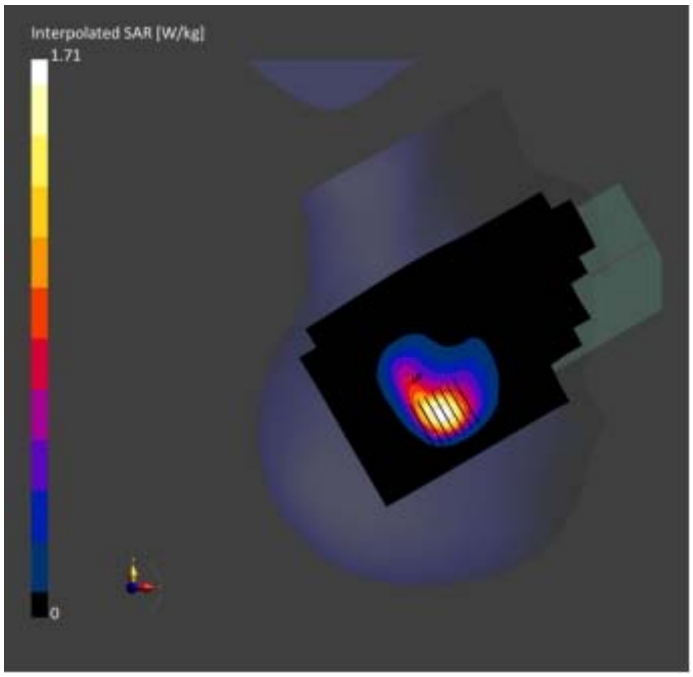
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2090	HBBL-600-10000 2023-09-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-04	2023-09-04
psSAR1g [W/kg]	0.710	0.792
psSAR10g [W/kg]	0.352	0.351
Power Drift [dB]	0.08	0.18
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.3
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
1.71
0

Meas.44 Body Plane with Back Side 15mm on Middle Channel in LTE Band38 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 38	LTE-TDD, 10172-CAH	2595.0, 38000	7.41	1.98	38.5	22.9	21.8

Hardware Setup

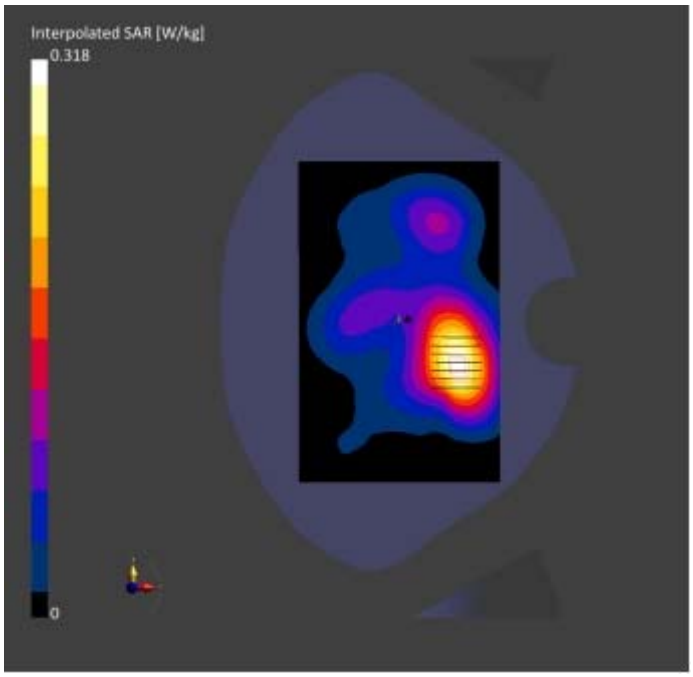
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-09-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-04	2023-09-04
psSAR1g [W/kg]	0.167	0.174
psSAR10g [W/kg]	0.091	0.095
Power Drift [dB]	-0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.3
Dist 3dB Peak [mm]		18.6


Interpolated SAR [W/kg]
0.318
0

Meas.45 Body Plane with Top Edge 10mm on Middle Channel in LTE Band38 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band 38	LTE-TDD, 10172-CAH	2595.0, 38000	7.41	1.98	38.5	22.9	21.8

Hardware Setup

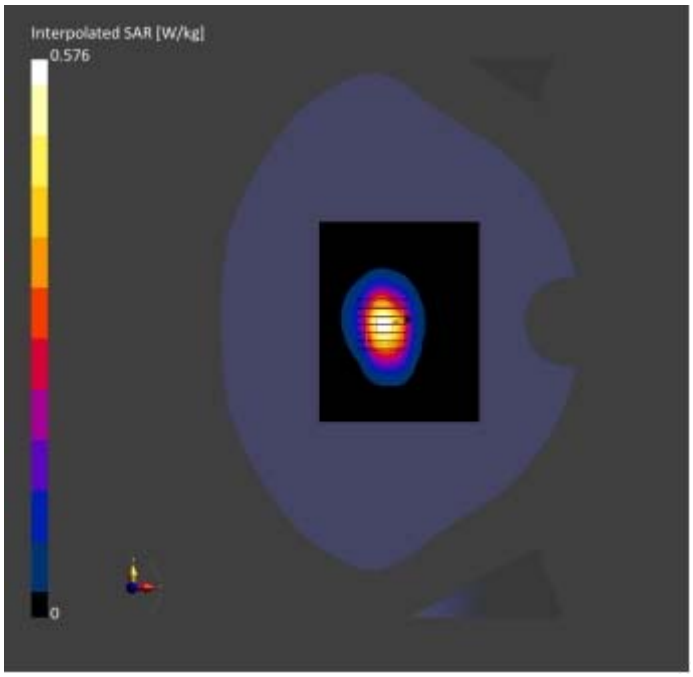
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-09-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-04	2023-09-04
psSAR1g [W/kg]	0.279	0.297
psSAR10g [W/kg]	0.136	0.142
Power Drift [dB]	-0.00	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		10.0


Interpolated SAR [W/kg]
0.576
0

Meas.45 Body Plane with Top Edge 0mm on Middle Channel in LTE Band38 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 0.00	Band 38	LTE-TDD, 10172-CAH	2595.0, 38000	7.41	1.98	38.5	22.9	21.8

Hardware Setup

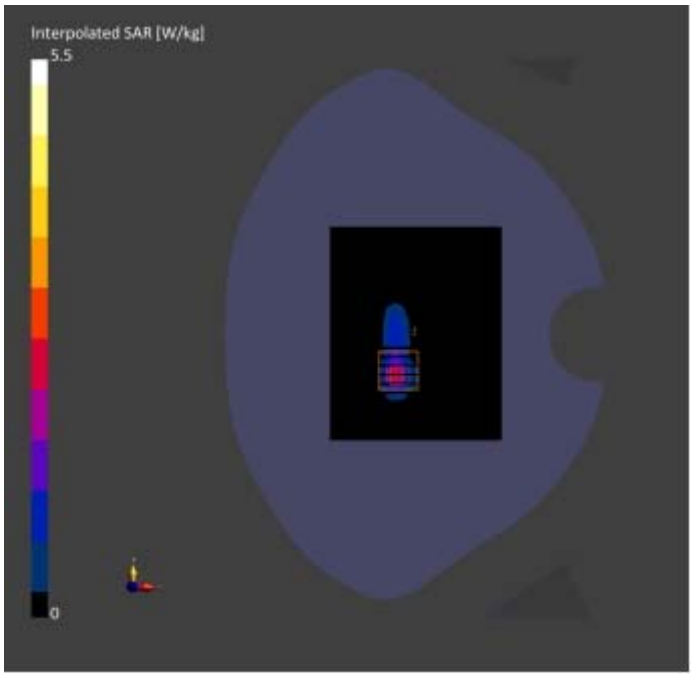
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-09-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-04	2023-09-04
psSAR1g [W/kg]	1.75	1.95
psSAR10g [W/kg]	0.618	0.629
Power Drift [dB]	0.00	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		35.4
Dist 3dB Peak [mm]		5.0


Interpolated SAR [W/kg]
5.5
0

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Meas.47 Right Head with Cheek on Middle Channel in LTE Band41 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band 41	LTE-TDD, 10172-CAH	2593.0, 40620	7.41	1.97	38.5	22.9	21.8

Hardware Setup

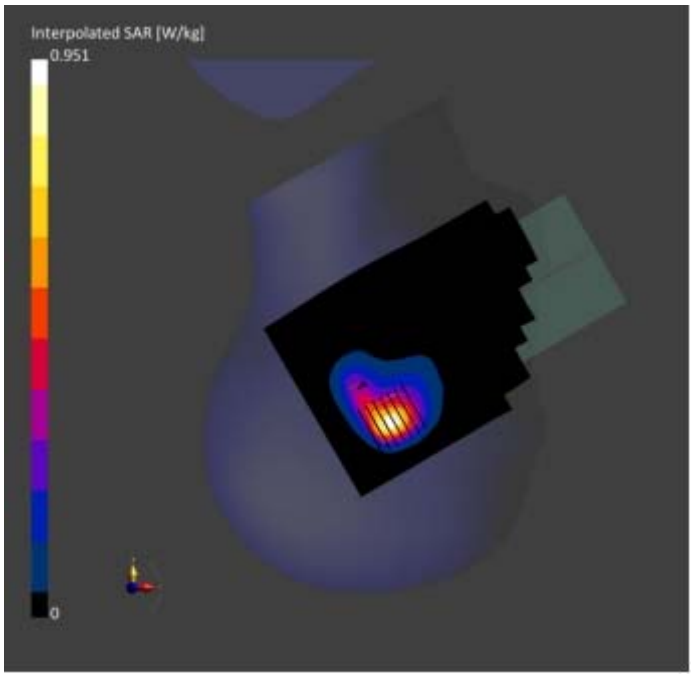
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-09-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-04	2023-09-04
psSAR1g [W/kg]	0.435	0.449
psSAR10g [W/kg]	0.198	0.196
Power Drift [dB]	-0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.9
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
0.951
0

Meas.48 Body Plane with Back Side 15mm on Middle Channel in LTE Band41 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 41	LTE-TDD, 10172-CAH	2593.0, 40620	7.41	1.97	38.5	22.9	21.8

Hardware Setup

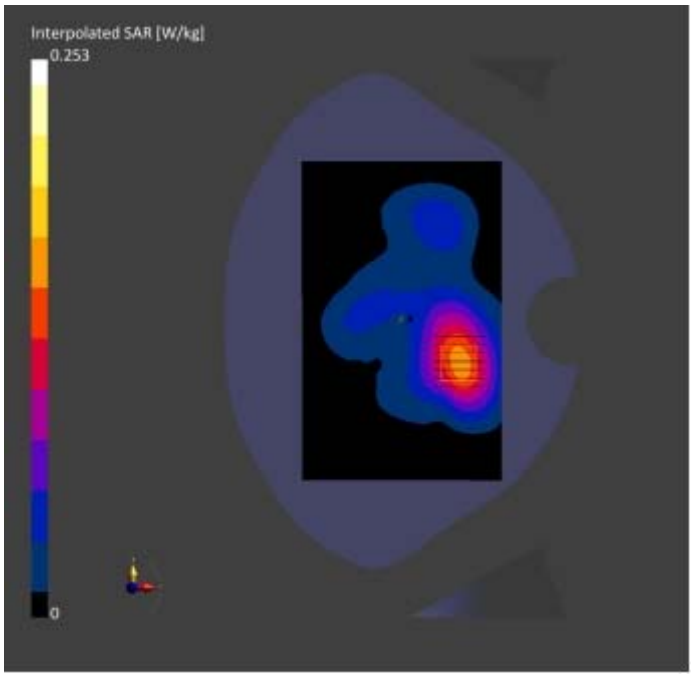
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-09-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-04	2023-09-04
psSAR1g [W/kg]	0.132	0.138
psSAR10g [W/kg]	0.072	0.076
Power Drift [dB]	0.08	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.2
Dist 3dB Peak [mm]		19.2


Interpolated SAR [W/kg]
0.253
0

Meas.49 Body Plane with Top Edge 10mm on Middle Channel in LTE Band41 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band 41	LTE-TDD, 10172-CAH	2593.0, 40620	7.41	1.97	38.5	22.9	21.8

Hardware Setup

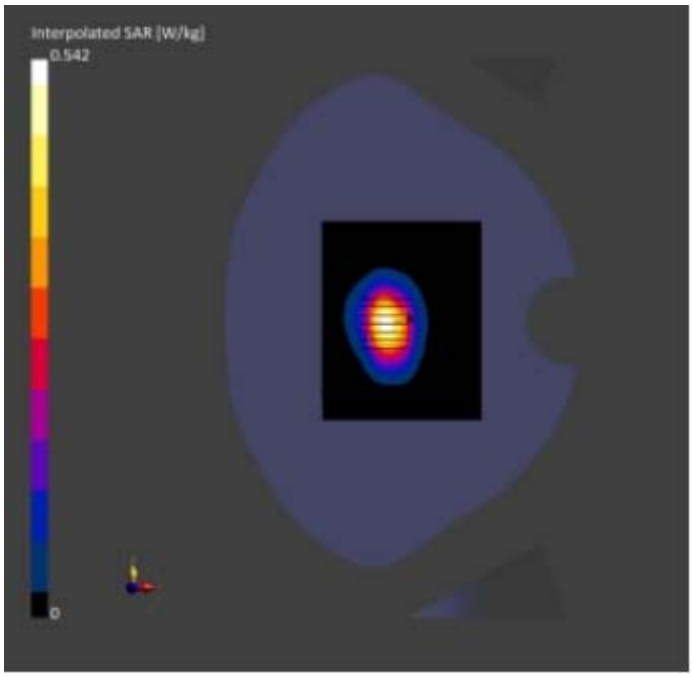
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-09-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-04	2023-09-04
psSAR1g [W/kg]	0.261	0.280
psSAR10g [W/kg]	0.127	0.134
Power Drift [dB]	0.03	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.3
Dist 3dB Peak [mm]		10.0


Interpolated SAR [W/kg]
0.542
0

Meas.50 Body Plane with Top Edge 0mm on Middle Channel in LTE Band41 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 0.00	Band 41	LTE-TDD, 10172-CAH	2593.0, 40620	7.41	1.97	38.5	22.9	21.8

Hardware Setup

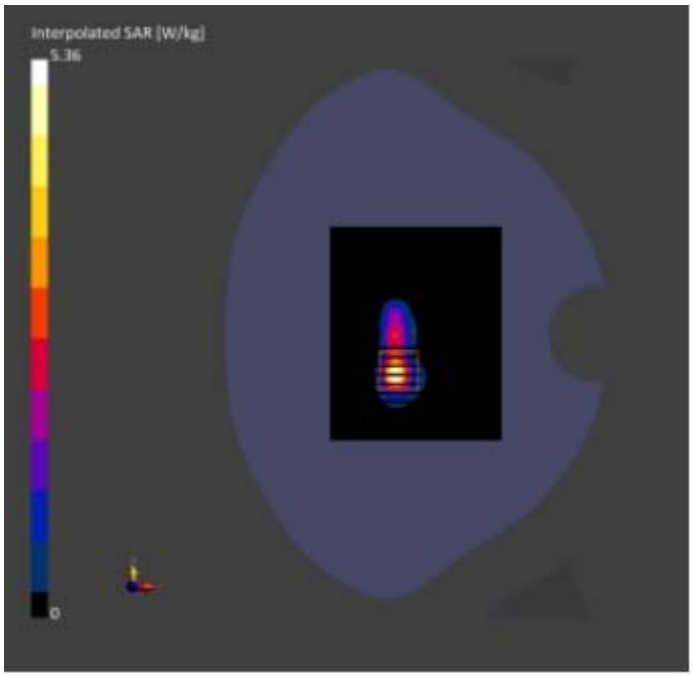
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-09-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-04	2023-09-04
psSAR1g [W/kg]	1.73	1.90
psSAR10g [W/kg]	0.608	0.614
Power Drift [dB]	-0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		35.5
Dist 3dB Peak [mm]		5.0


Interpolated SAR [W/kg]
5.36
0

Meas.51 Right Head with Cheek on 381500 Channel in N2 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n2	5G NR FR1 FDD, 10931-AAC	1907.5, 381500	7.98	1.39	39.9	22.1	21.8

Hardware Setup

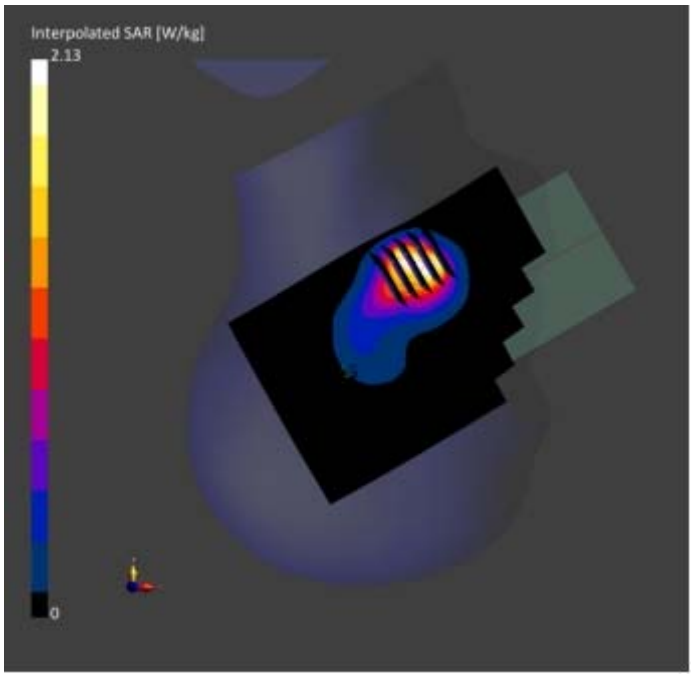
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	0.736	1.07
psSAR10g [W/kg]	0.416	0.490
Power Drift [dB]	-0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.2
Dist 3dB Peak [mm]		11.1


Interpolated SAR [W/kg]
2.13
0

Meas.52 Body Plan with Back Side 15mm on 381500 Channel in N2 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n2	5G NR FR1 FDD, 10931-AAC	1907.5, 381500	7.98	1.39	39.9	22.1	21.8

Hardware Setup

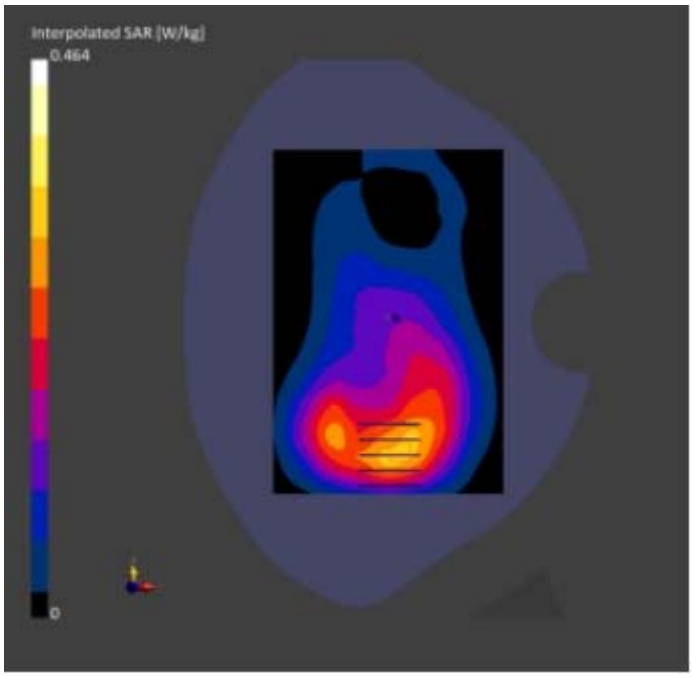
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	0.275	0.297
psSAR10g [W/kg]	0.168	0.182
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.4
Dist 3dB Peak [mm]		15.8


Interpolated SAR [W/kg]
0.464
0

Meas.53 Body Plan with Top Edge 10mm on 381500 Channel in N2 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band n2	5G NR FR1 FDD, 10931-AAC	1907.5, 381500	7.98	1.39	39.9	22.1	21.8

Hardware Setup

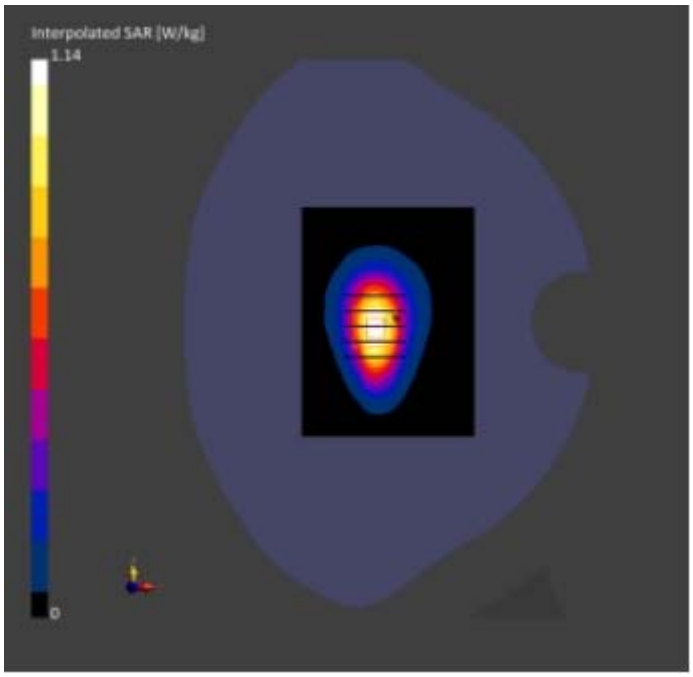
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	0.645	0.676
psSAR10g [W/kg]	0.348	0.369
Power Drift [dB]	0.06	0.01
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		59.3
Dist 3dB Peak [mm]		11.2


Interpolated SAR [W/kg]
1.14
0

Meas.54 Body Plan with Top Edge 0mm on 381500 Channel in N2 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 0.00	Band n2	5G NR FR1 FDD, 10931-AAC	1907.5, 381500	7.98	1.39	39.9	22.1	21.8

Hardware Setup

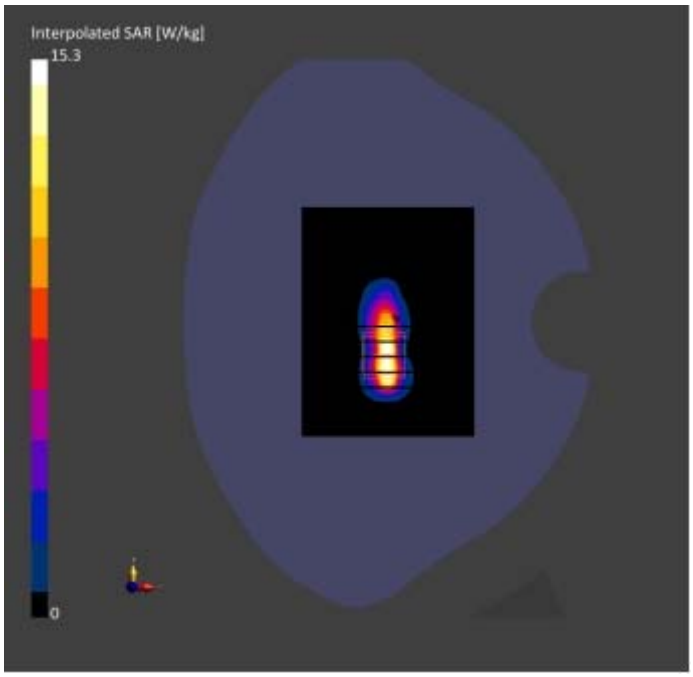
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-08-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-30	2023-08-30
psSAR1g [W/kg]	4.83	5.31
psSAR10g [W/kg]	2.02	1.93
Power Drift [dB]	-0.05	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		26.5
Dist 3dB Peak [mm]		4.8


Interpolated SAR [W/kg]
15.3
0

Meas.55 Right Head with Cheek on 167800 Channel in N5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n5	5G NR FR1 FDD, 10931-AAC	839.0, 167800	9.96	0.908	41.8	22.3	21.6

Hardware Setup

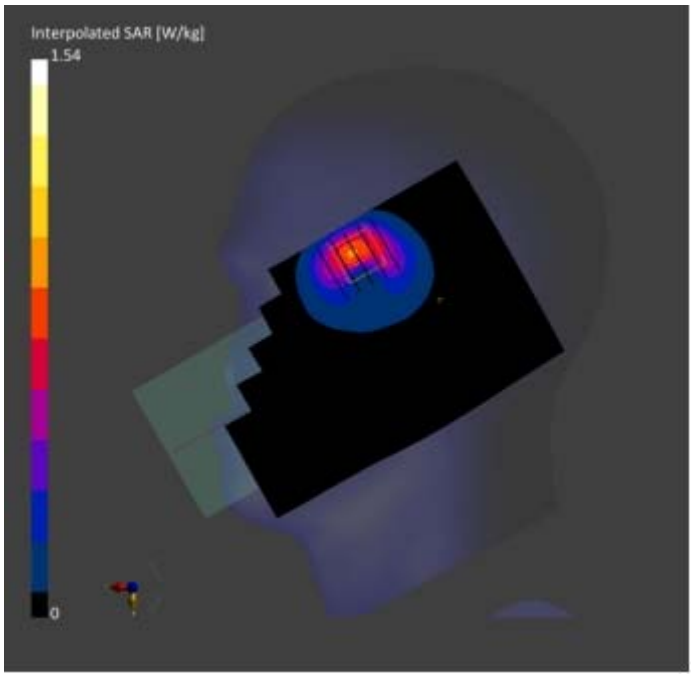
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-08-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-20	2023-08-20
psSAR1g [W/kg]	0.742	0.782
psSAR10g [W/kg]	0.437	0.362
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.5
Dist 3dB Peak [mm]		6.5


Interpolated SAR [W/kg]
1.54
0

Meas.56 Body Plan with Front Side 15mm on 167800 Channel in N5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n5	5G NR FR1 FDD, 10931-AAC	839.0, 167800	9.96	0.908	41.8	22.3	21.6

Hardware Setup

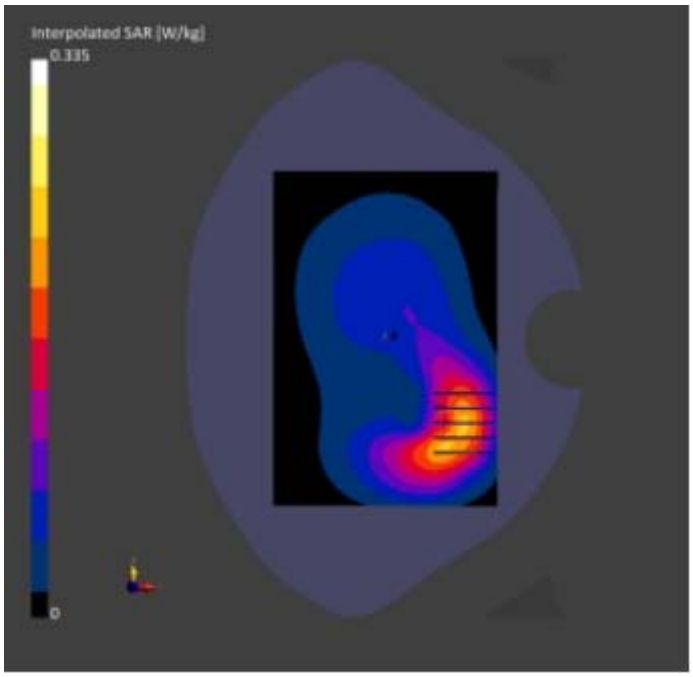
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-08-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-20	2023-08-20
psSAR1g [W/kg]	0.197	0.214
psSAR10g [W/kg]	0.130	0.130
Power Drift [dB]	0.01	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.6
Dist 3dB Peak [mm]		12.2


Interpolated SAR [W/kg]
0.335
0

Meas.57 Body Plan with Right Edge 10mm on 167800 Channel in N5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE RIGHT, 10.00	Band n5	5G NR FR1 FDD, 10931-AAC	839.0, 167800	9.96	0.908	41.8	22.3	21.6

Hardware Setup

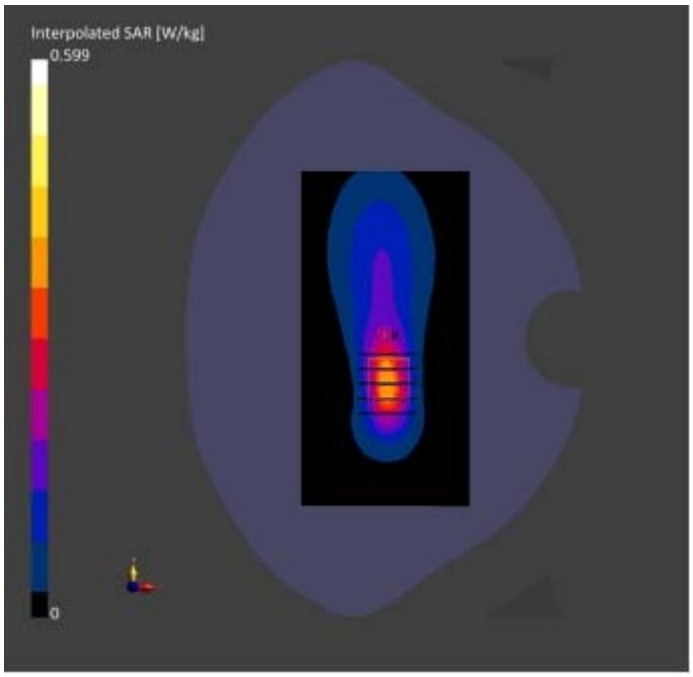
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-08-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-20	2023-08-20
psSAR1g [W/kg]	0.333	0.333
psSAR10g [W/kg]	0.193	0.180
Power Drift [dB]	-0.00	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.6
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
0.599
0

Meas.58 Right Head with Cheek on 508000 Channel in N7 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Right Head, HSL	CHEEK, 0.00	Band n7	5G NR FR1 FDD, 10934-AAC	2542.5, 508000	7.41	1.92	38.9	22.5	21.5

Hardware Setup

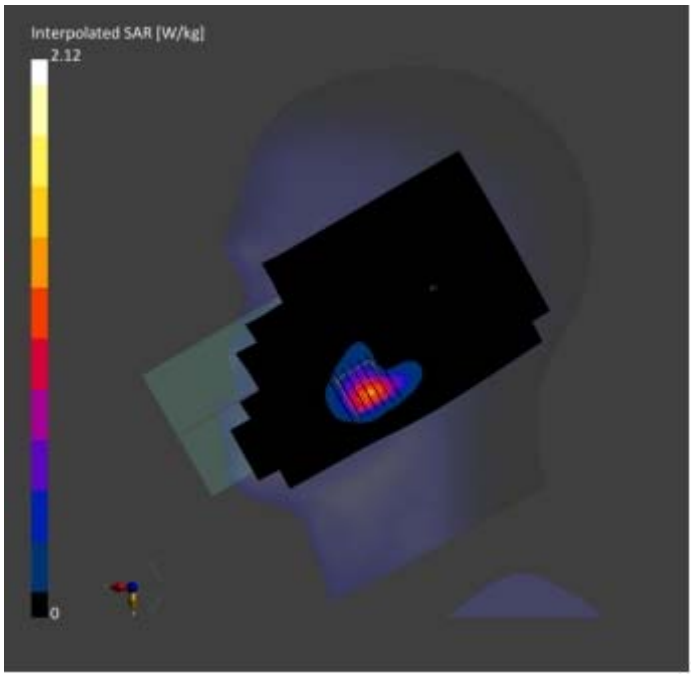
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-18	2023-09-18
psSAR1g [W/kg]	0.943	0.976
psSAR10g [W/kg]	0.425	0.426
Power Drift [dB]	-0.03	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.2
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
2.12
0

Meas.59 Body Plane with Front Side 15mm on 507000 Channel in N7 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	162.0 x 74.0 x 9.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	FRONT, 15.00	Band n7	5G NR FR1 FDD, 10934-AAC	2535.0, 507000	7.41	1.90	39.0	22.5	21.5

Hardware Setup

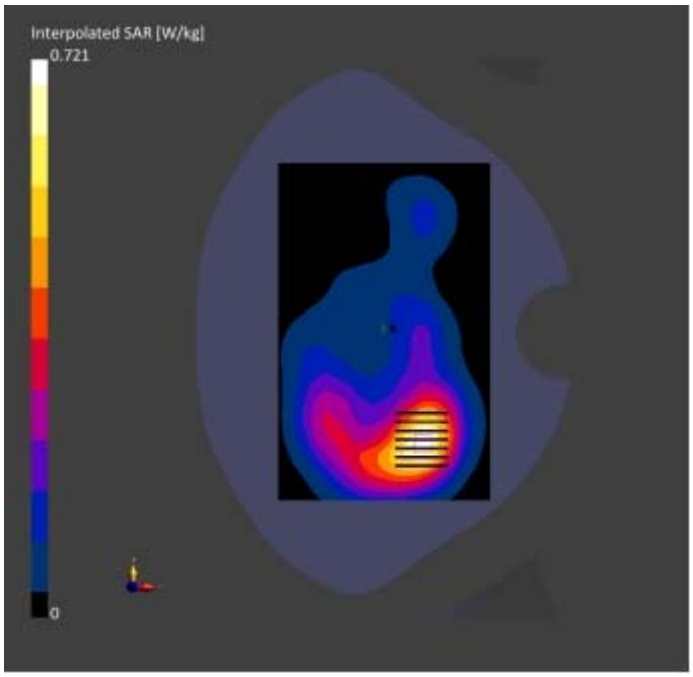
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-09-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-18	2023-09-18
psSAR1g [W/kg]	0.384	0.393
psSAR10g [W/kg]	0.208	0.212
Power Drift [dB]	-0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.4
Dist 3dB Peak [mm]		14.8


Interpolated SAR [W/kg]
0.721
0

Meas.60 Body Plan with Top Edge 10mm on 507000 Channel in N7 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band n7	5G NR FR1 FDD, 10934-AAC	2535.0, 507000	7.41	1.90	39.0	22.5	21.5

Hardware Setup

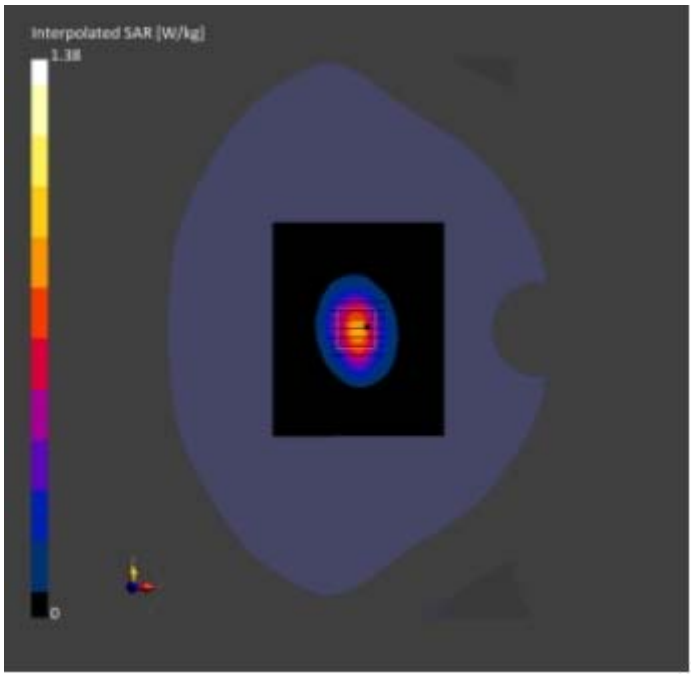
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-09-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-18	2023-09-18
psSAR1g [W/kg]	0.718	0.737
psSAR10g [W/kg]	0.343	0.363
Power Drift [dB]	-0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.9
Dist 3dB Peak [mm]		10.8


Interpolated SAR [W/kg]
1.38
0

Meas.61 Body Plan with Top Edge 0mm on 507000 Channel in N7 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 0.00	Band n7	5G NR FR1 FDD, 10934-AAC	2535.0, 507000	7.41	1.90	39.0	22.5	21.5

Hardware Setup

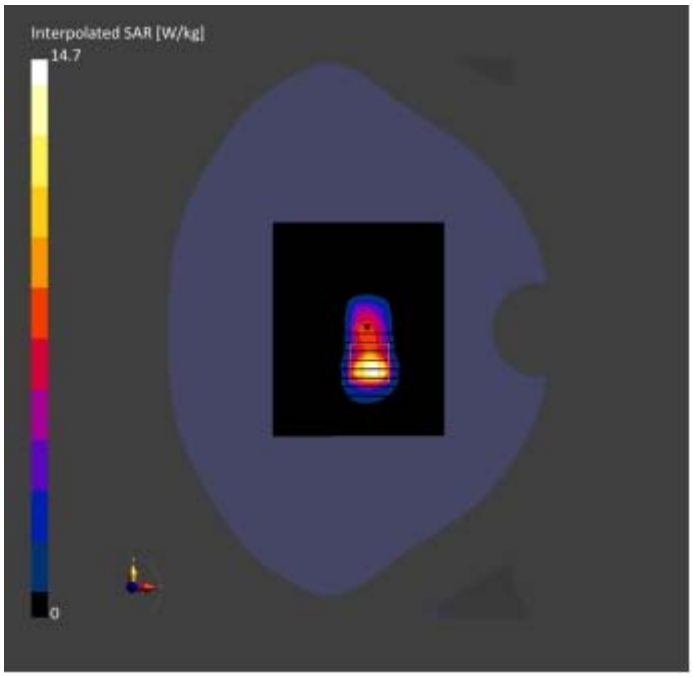
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-18	2023-09-18
psSAR1g [W/kg]	3.02	5.06
psSAR10g [W/kg]	1.28	1.63
Power Drift [dB]	-0.01	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		32.0
Dist 3dB Peak [mm]		5.0


Interpolated SAR [W/kg]
14.7
0

Meas.62 Right Head with Cheek on 141500 Channel in N12 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n12	5G NR FR1 FDD, 10930-AAC	707.5, 141500	10.31	0.885	42.4	22.8	21.6

Hardware Setup

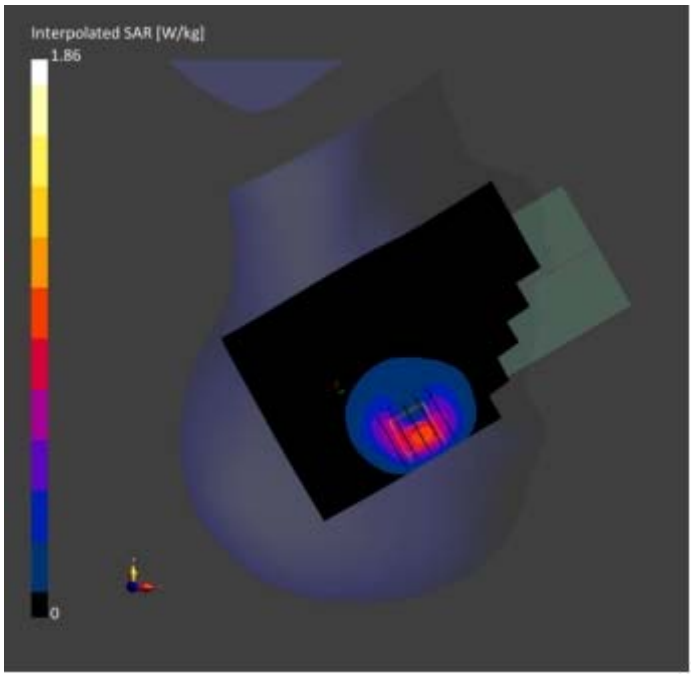
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-08-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-17	2023-08-17
psSAR1g [W/kg]	0.839	0.841
psSAR10g [W/kg]	0.498	0.421
Power Drift [dB]	0.06	0.03
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		44.4
Dist 3dB Peak [mm]		8.1


Interpolated SAR [W/kg]
1.86
0

Meas.63 Body Plan with Back Side 15mm on 141500 Channel in N12 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n12	5G NR FR1 FDD, 10930-AAC	707.5, 141500	10.31	0.885	42.4	22.8	21.6

Hardware Setup

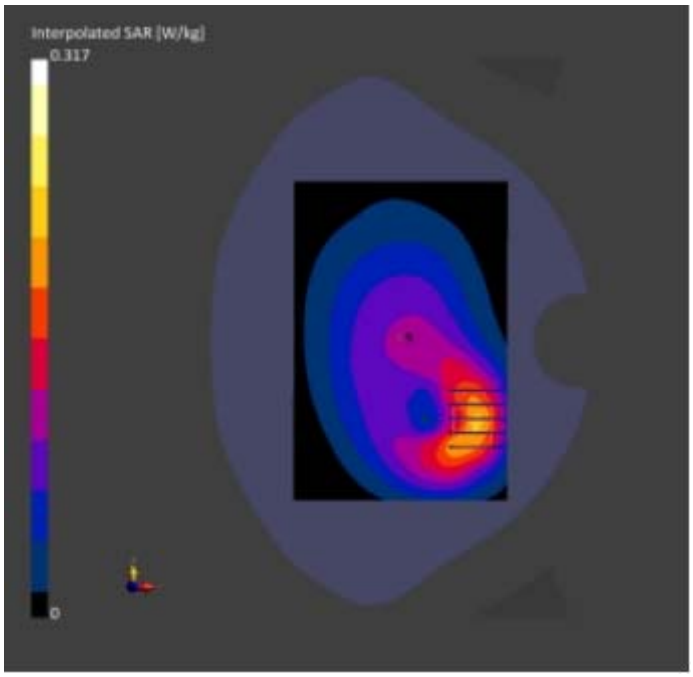
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-08-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-17	2023-08-17
psSAR1g [W/kg]	0.187	0.204
psSAR10g [W/kg]	0.124	0.126
Power Drift [dB]	0.04	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.2
Dist 3dB Peak [mm]		11.5


Interpolated SAR [W/kg]
0.317
0

Meas.64 Body Plan with Right Edge 10mm on 141500 Channel in N12 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE RIGHT, 10.00	Band n12	5G NR FR1 FDD, 10930-AAC	707.5, 141500	10.31	0.885	42.4	22.8	21.6

Hardware Setup

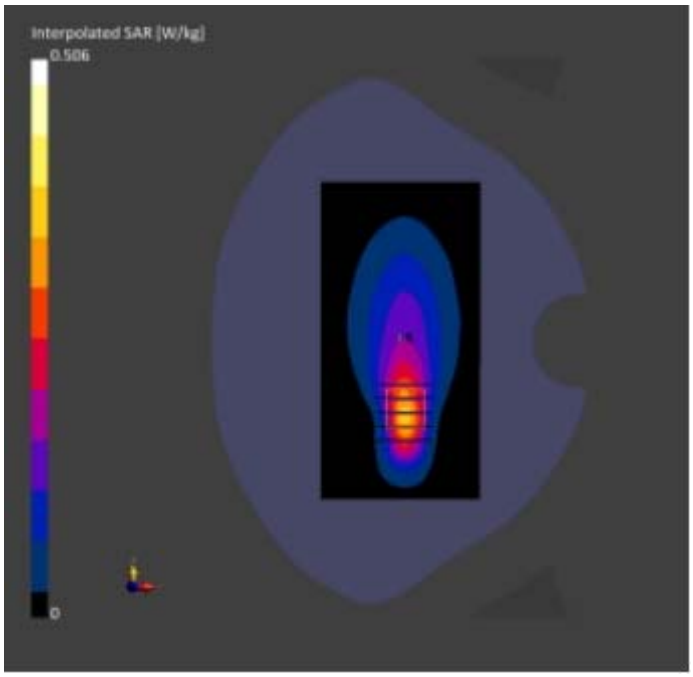
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-08-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-17	2023-08-17
psSAR1g [W/kg]	0.301	0.294
psSAR10g [W/kg]	0.179	0.166
Power Drift [dB]	0.73	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.6
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
0.586
0

Meas.65 Right Head with Cheek on 519000 Channel in N38 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n38	5G NR FR1 TDD, 10903-AAD	2595.0, 519000	7.41	1.97	38.5	22.5	21.7

Hardware Setup

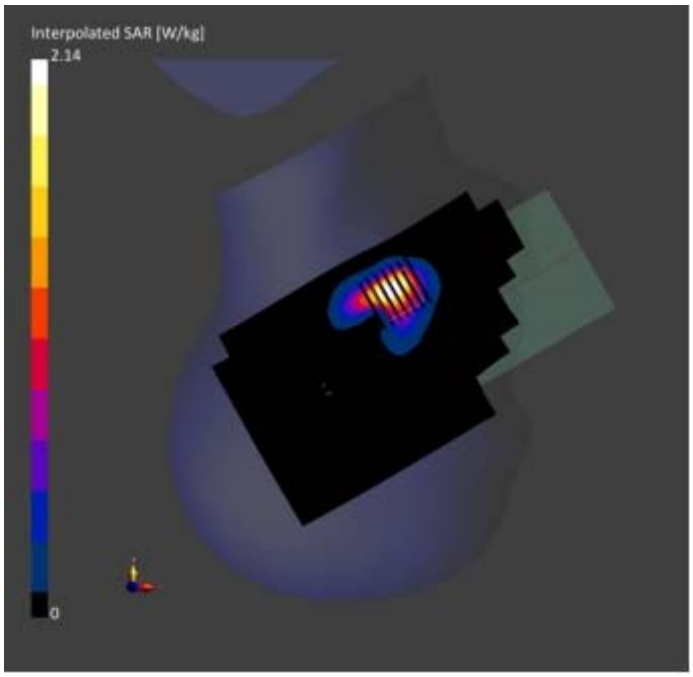
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-20	2023-09-20
psSAR1g [W/kg]	0.943	0.964
psSAR10g [W/kg]	0.424	0.417
Power Drift [dB]	0.01	0.00
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		45.4
Dist 3dB Peak [mm]		7.8


Interpolated SAR [W/kg]
2.14
0

Meas.66 Body Plan with Back Side 15mm on 519000 Channel in N38 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n38	5G NR FR1 TDD, 10903-AAD	2595.0, 519000	7.41	1.97	38.5	22.5	21.7

Hardware Setup

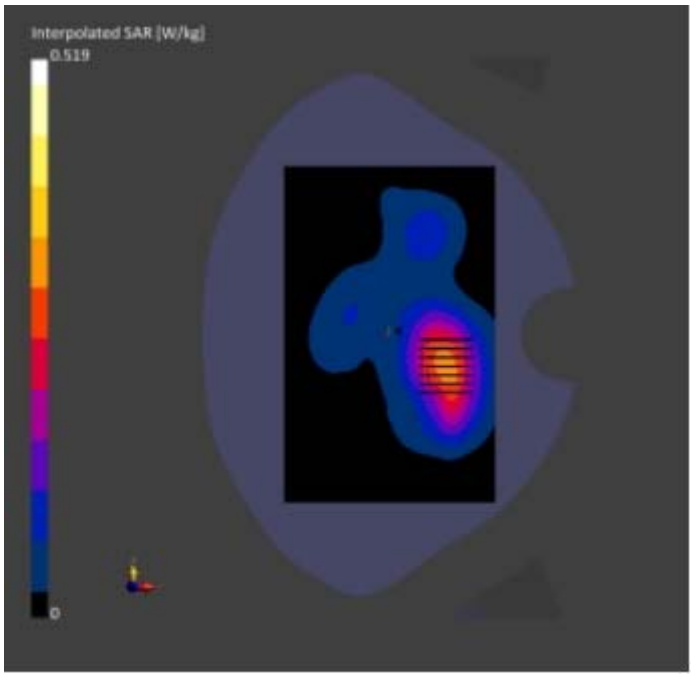
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-20	2023-09-20
psSAR1g [W/kg]	0.270	0.282
psSAR10g [W/kg]	0.147	0.153
Power Drift [dB]	-0.00	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.9
Dist 3dB Peak [mm]		15.3


Interpolated SAR [W/kg]
0.519
0

Meas.67 Body Plan with Left Edge 10mm on 519000 Channel in N38 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 10.00	Band n38	5G NR FR1 TDD, 10903-AAD	2595.0, 519000	7.41	1.97	38.5	22.5	21.7

Hardware Setup

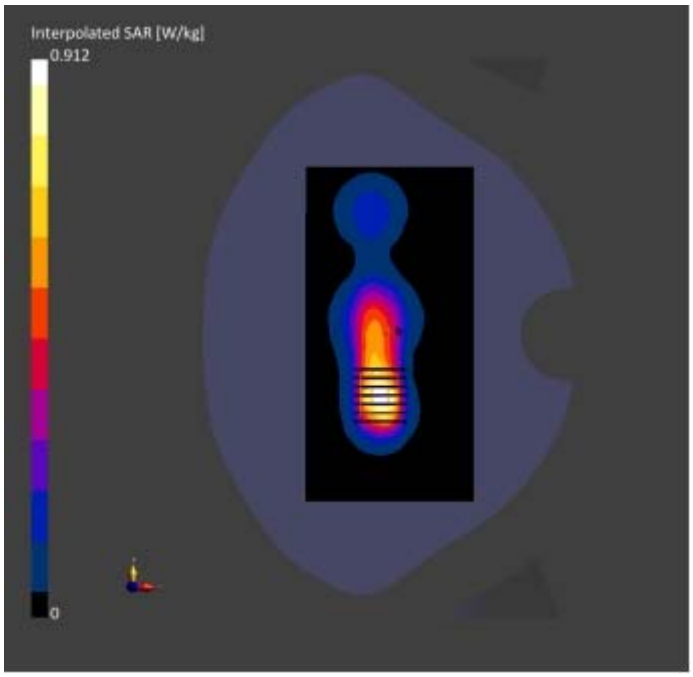
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-09-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-20	2023-09-20
psSAR1g [W/kg]	0.419	0.469
psSAR10g [W/kg]	0.207	0.218
Power Drift [dB]	-0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.5
Dist 3dB Peak [mm]		9.0


Interpolated SAR [W/kg]
0.912
0

Meas.68 Body Plan with Left Edge 0mm on 519000 Channel in N38 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 0.00	Band n38	5G NR FR1 TDD, 10903-AAD	2595.0, 519000	7.41	1.97	38.5	22.5	21.7

Hardware Setup

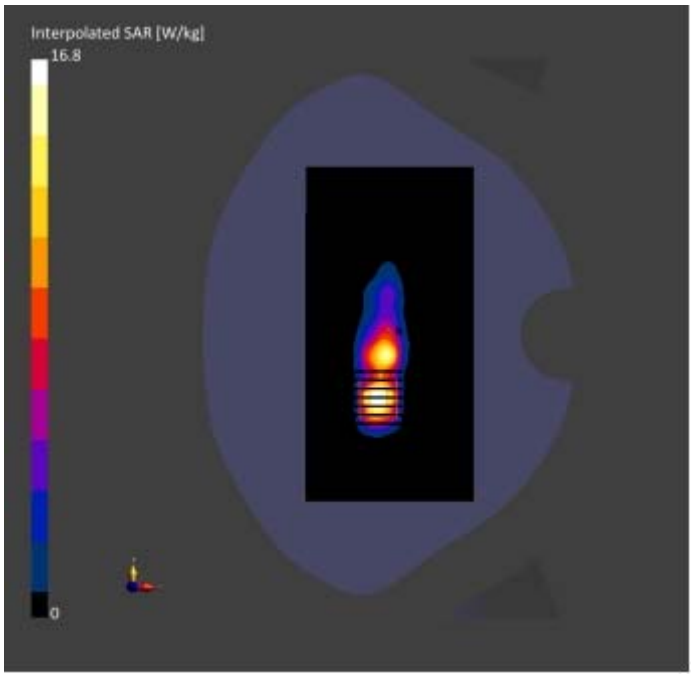
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-20	2023-09-20
psSAR1g [W/kg]	3.98	6.4
psSAR10g [W/kg]	1.88	2.11
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		36.9
Dist 3dB Peak [mm]		5.0


Interpolated SAR [W/kg]
16.8
0

Meas.69 Right Head with Cheek on 518598 Channel in N41 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n41	5G NR FR1 TDD, 10973-AAD	2592.99, 518598	7.41	1.97	38.5	22.7	21.3

Hardware Setup

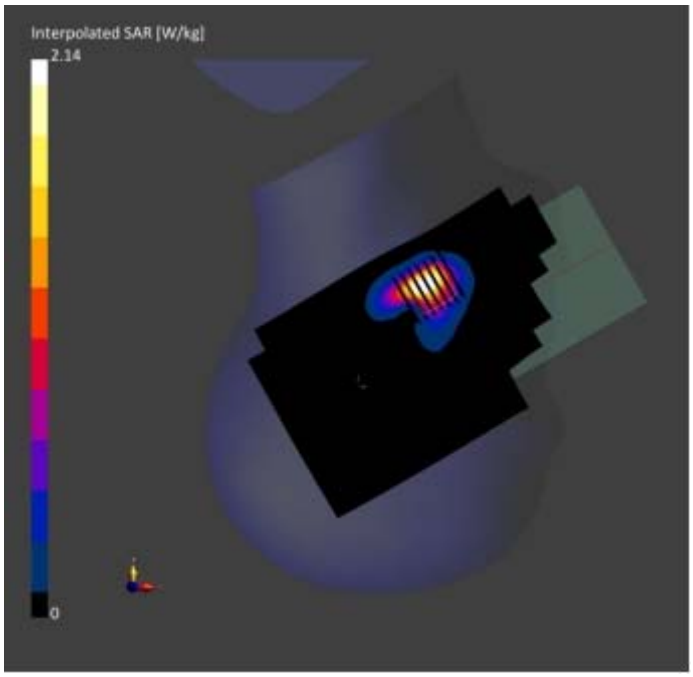
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-23	2023-09-23
psSAR1g [W/kg]	0.954	0.977
psSAR10g [W/kg]	0.428	0.426
Power Drift [dB]	0.01	-0.03
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		46.2
Dist 3dB Peak [mm]		7.8


Interpolated SAR [W/kg]
2.14
0

Meas.70 Body Plan with Back Side 15mm on 518598 Channel in N41 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n41	5G NR FR1 TDD, 10973-AAD	2592.99, 518598	7.41	1.97	38.5	22.7	21.3

Hardware Setup

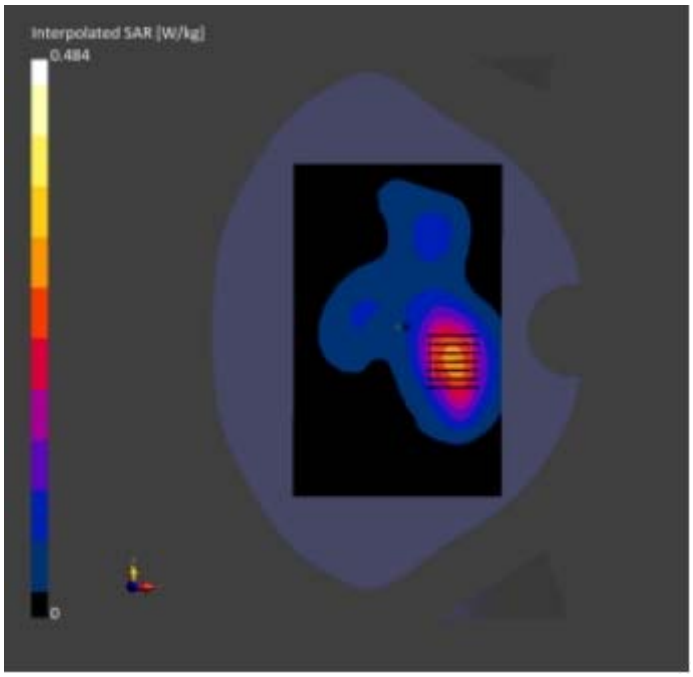
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-23	2023-09-23
psSAR1g [W/kg]	0.253	0.264
psSAR10g [W/kg]	0.136	0.142
Power Drift [dB]	0.05	0.01
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		52.4
Dist 3dB Peak [mm]		15.5


Interpolated SAR [W/kg]
0.484
0

Meas.71 Body Plan with Top Edge 10mm on 518598 Channel in N41 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band n41	5G NR FR1 TDD, 10973-AAD	2592.99, 518598	7.41	1.97	38.5	22.7	21.3

Hardware Setup

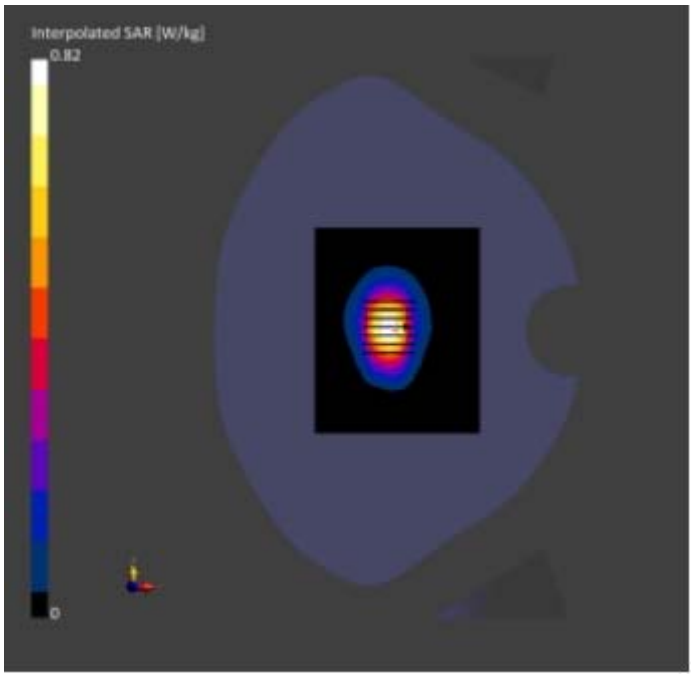
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-09-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-23	2023-09-23
psSAR1g [W/kg]	0.390	0.425
psSAR10g [W/kg]	0.193	0.203
Power Drift [dB]	0.00	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.1
Dist 3dB Peak [mm]		10.0


Interpolated SAR [W/kg]
0.82
0

Meas.72 Body Plan with Left Edge 0mm on 518598 Channel in N41 mode with Antenna 5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 0.00	Band n41	5G NR FR1 TDD, 10973-AAD	2592.99, 518598	7.41	1.97	38.5	22.7	21.3

Hardware Setup

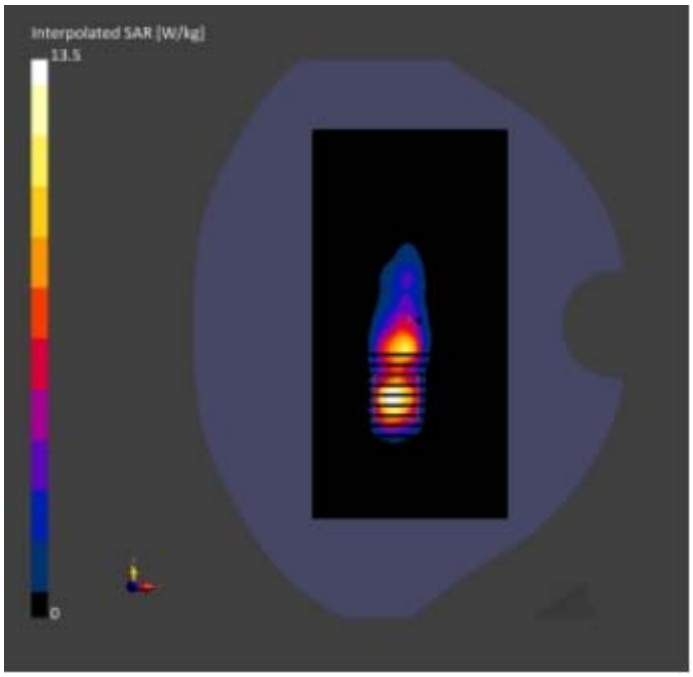
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-09-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-23	2023-09-23
psSAR1g [W/kg]	2.90	5.21
psSAR10g [W/kg]	1.21	1.52
Power Drift [dB]	-0.01	0.00
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		30.7
Dist 3dB Peak [mm]		3.2


Interpolated SAR [W/kg]
13.5
0

Meas.73 Right Head with Cheek on 349000 Channel in N66 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n66	5G NR FR1 FDD, 10931-AAC	1745.0, 349000	8.52	1.38	40.2	22.1	21.7

Hardware Setup

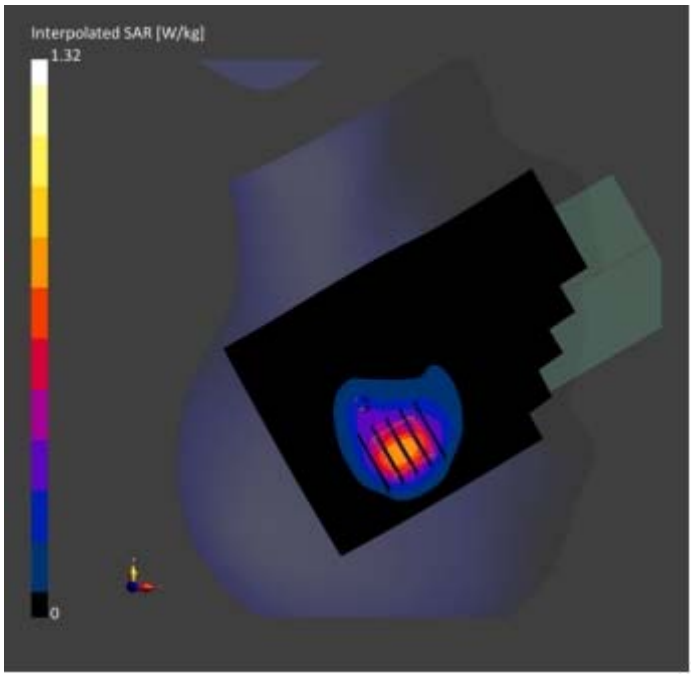
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-08-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-23	2023-08-23
psSAR1g [W/kg]	0.708	0.698
psSAR10g [W/kg]	0.392	0.375
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.1
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
1.32
0

Meas.74 Body Plan with Back Side 15mm on 349000 Channel in N66 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n66	5G NR FR1 FDD, 10931-AAC	1745.0, 349000	8.52	1.38	40.2	22.1	21.7

Hardware Setup

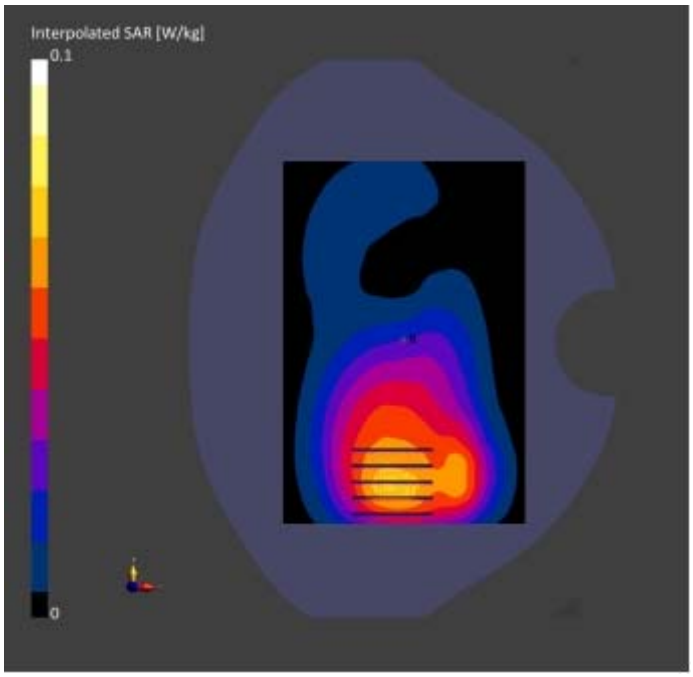
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-23	2023-08-23
psSAR1g [W/kg]	0.061	0.062
psSAR10g [W/kg]	0.039	0.040
Power Drift [dB]	-0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		67.1
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.1
0

Meas.75 Body Plan with Top Edge 10mm on 349000 Channel in N66 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band n66	5G NR FR1 FDD, 10934-AAC	1745.0, 349000	8.52	1.38	40.2	22.1	21.7

Hardware Setup

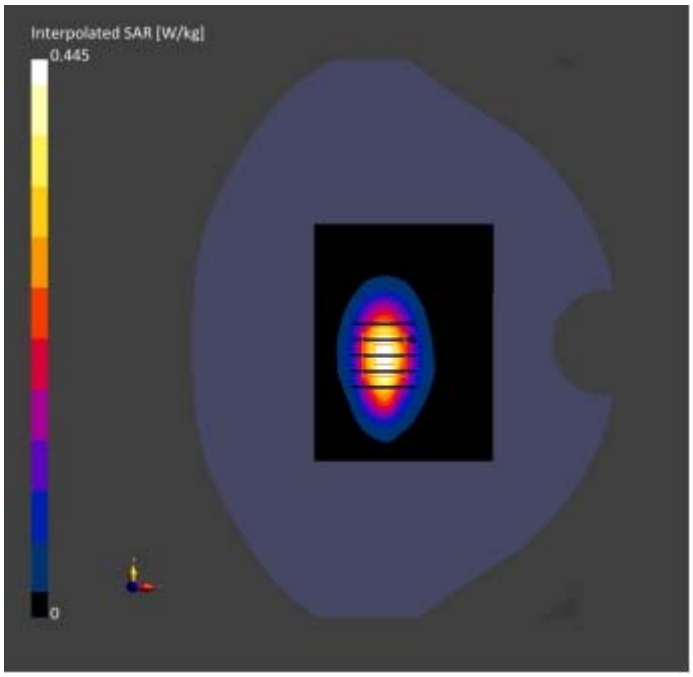
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 , 2023-08-23	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	9.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-23	2023-08-23
psSAR1g [W/kg]	0.260	0.263
psSAR10g [W/kg]	0.140	0.144
Power Drift [dB]	-0.01	-0.02
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		59.2
Dist 3dB Peak [mm]		11.2


Interpolated SAR [W/kg]
0.445
0

Meas.76 Right Head with Cheek on 6 Channel in IEEE802.11b mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2437.0, 6	7.47	1.79	39.8	22.6	21.8

Hardware Setup

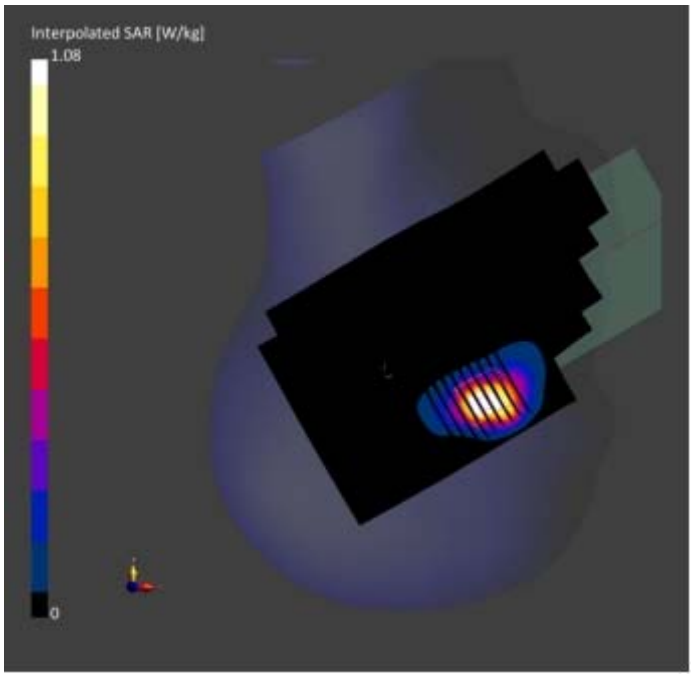
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-07	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-07	2023-09-07
psSAR1g [W/kg]	0.377	0.426
psSAR10g [W/kg]	0.170	0.169
Power Drift [dB]	0.03	-0.02
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		38.6
Dist 3dB Peak [mm]		5.8


Interpolated SAR [W/kg]
1.08
0

Meas.77 Body Plan with Back Side 15mm on 1 Channel in IEEE802.11b mode with Antenna 12&0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	WLAN 2.4GHz	WLAN, 10012-CAB	2412.0, 1	7.47	1.76	39.9	22.6	21.8

Hardware Setup

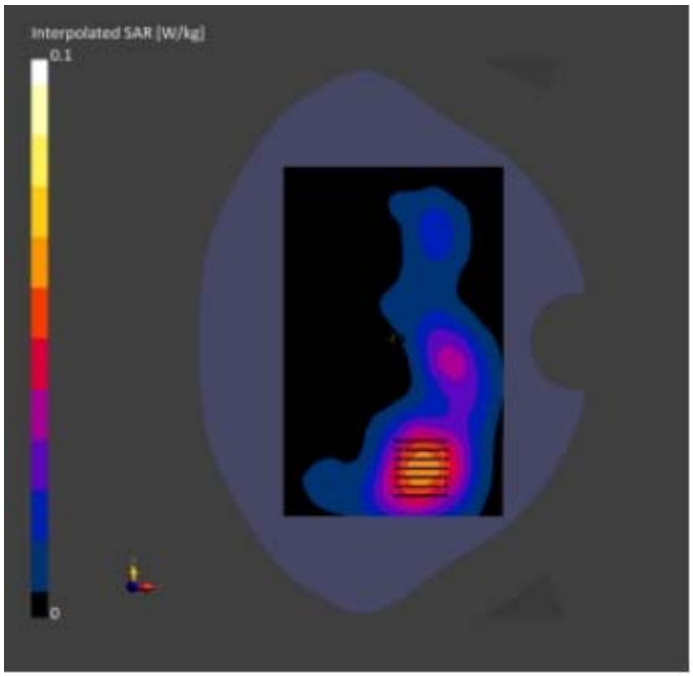
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-07	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-07	2023-09-07
psSAR1g [W/kg]	0.054	0.054
psSAR10g [W/kg]	0.030	0.031
Power Drift [dB]	-0.15	0.19
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.0
Dist 3dB Peak [mm]		> 15.0


Interpolated SAR [W/kg]
0.1
0

Meas.78 Body Plan with Top Edge 10mm on 1 Channel in IEEE802.11b mode with Antenna 12&0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	WLAN 2.4GHz	WLAN, 10012-CAB	2412.0, 1	7.47	1.76	39.9	22.6	21.8

Hardware Setup

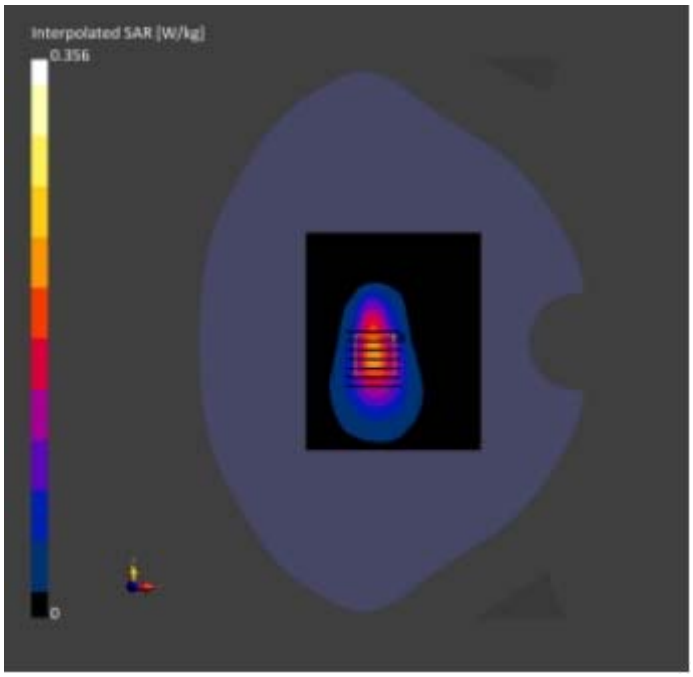
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-07	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-07	2023-09-07
psSAR1g [W/kg]	0.180	0.189
psSAR10g [W/kg]	0.091	0.096
Power Drift [dB]	0.03	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.7
Dist 3dB Peak [mm]		10.8


Interpolated SAR [W/kg]
0.356
0

Meas.79 Left Head with Tilt on 52 Channel in IEEE802.11a mode with Antenna 9&13

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5260.0, 52	5.41	4.74	35.7	22.3	21.5

Hardware Setup

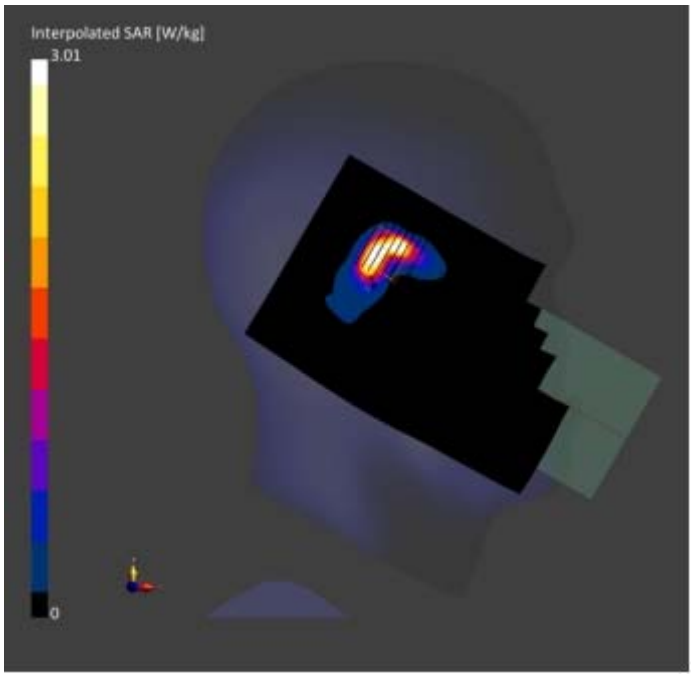
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-11	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-11	2023-09-11
psSAR1g [W/kg]	0.481	0.669
psSAR10g [W/kg]	0.166	0.196
Power Drift [dB]	0.08	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.5
Dist 3dB Peak [mm]		4.5


Interpolated SAR [W/kg]
3.01
0

Meas.80 Left Head with Tilt on 116 Channel in IEEE802.11a mode with Antenna 9&13

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5580.0, 116	4.58	4.99	35.8	22.7	21.3

Hardware Setup

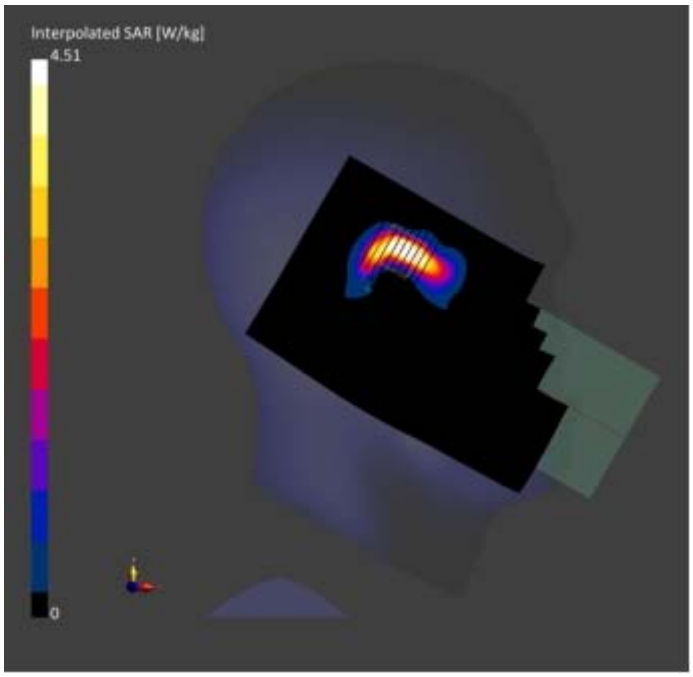
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-14	2023-09-14
psSAR1g [W/kg]	0.789	0.998
psSAR10g [W/kg]	0.247	0.272
Power Drift [dB]	0.13	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.8
Dist 3dB Peak [mm]		4.3


Interpolated SAR [W/kg]
4.51
0

Meas.81 Left Head with Tilt on 149 Channel in IEEE802.11a mode with Antenna 9&13

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5745.0, 149	4.78	5.17	35.4	22.8	21.6

Hardware Setup

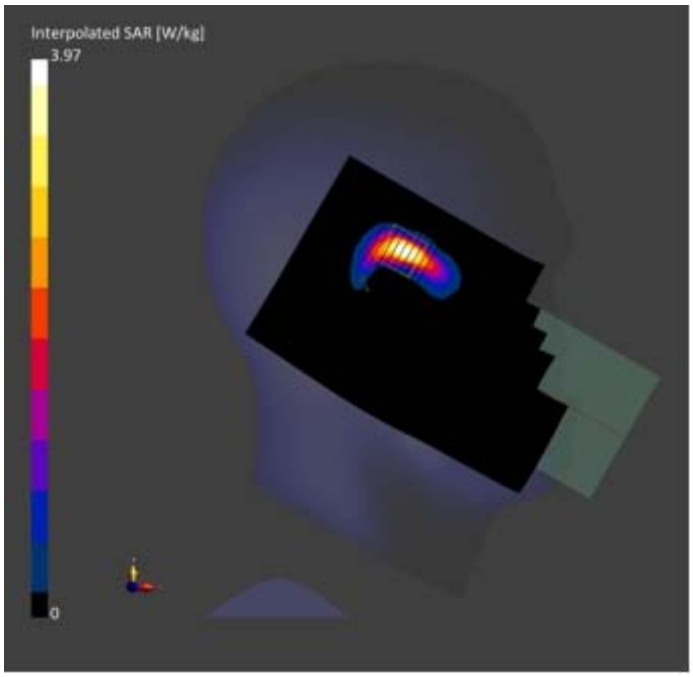
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-16	2023-09-16
psSAR1g [W/kg]	0.711	0.864
psSAR10g [W/kg]	0.221	0.232
Power Drift [dB]	-0.03	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.8
Dist 3dB Peak [mm]		5.0


Interpolated SAR [W/kg]
3.97
0

Meas.82 Body Plan with Back Side 15mm on 52 Channel in IEEE802.11a mode with Antenna 9&13

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	WLAN 5GHz	WLAN, 10062-CAD	5260.0, 52	5.41	4.74	35.7	22.3	21.5

Hardware Setup

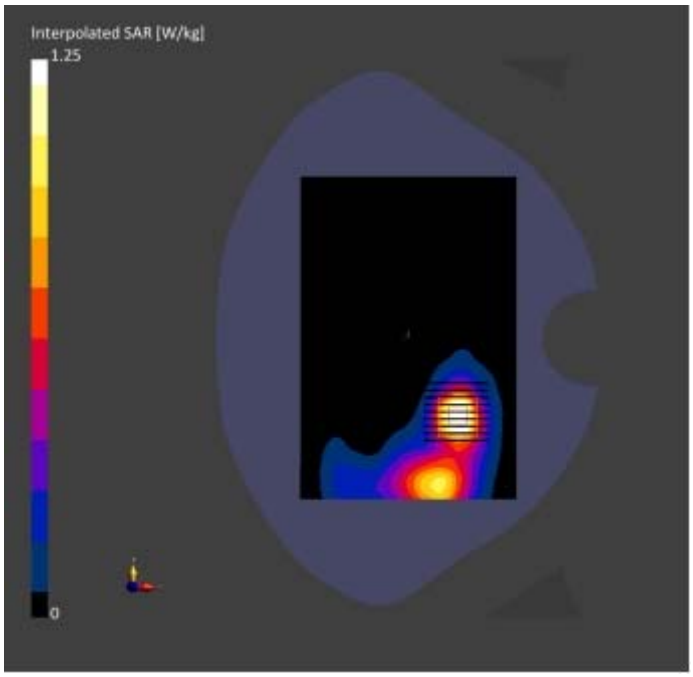
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-11	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-11	2023-09-11
psSAR1g [W/kg]	0.308	0.351
psSAR10g [W/kg]	0.113	0.121
Power Drift [dB]	0.15	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.4
Dist 3dB Peak [mm]		9.3


Interpolated SAR [W/kg]
1.25
0

Meas.83 Body Plan with Back Side 15mm on 140 Channel in IEEE802.11a mode with Antenna 9&13

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	WLAN 5GHz	WLAN, 10062-CAD	5700.0, 140	4.78	5.22	35.2	22.7	21.3

Hardware Setup

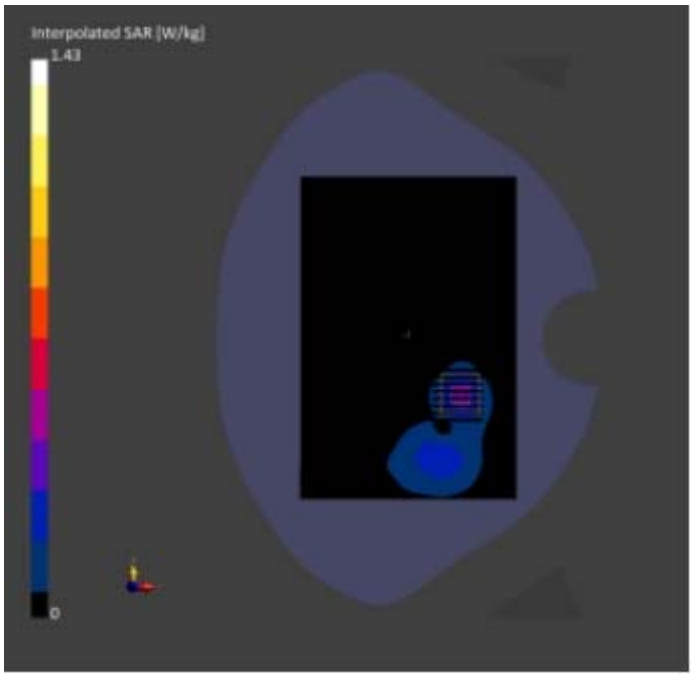
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-14	2023-09-14
psSAR1g [W/kg]	0.349	0.387
psSAR10g [W/kg]	0.122	0.134
Power Drift [dB]	0.04	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.9
Dist 3dB Peak [mm]		9.8


Interpolated SAR [W/kg]
1.43
0

Meas.84 Body Plan with Back Side 15mm on 149 Channel in IEEE802.11a mode with Antenna 9&13

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	WLAN 5GHz	WLAN, 10062-CAD	5745.0, 149	4.78	5.17	35.4	22.8	21.6

Hardware Setup

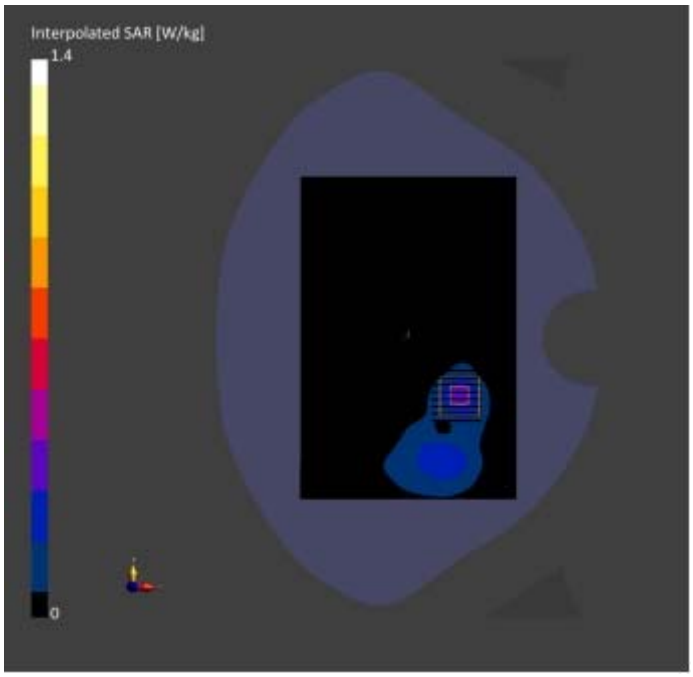
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-16	2023-09-16
psSAR1g [W/kg]	0.322	0.355
psSAR10g [W/kg]	0.112	0.118
Power Drift [dB]	0.09	0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.5
Dist 3dB Peak [mm]		9.4


Interpolated SAR [W/kg]
1.4
0

Meas.85 Body Plan with Back Side 10mm on 36 Channel in IEEE802.11a mode with Antenna 9&13

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	WLAN 5GHz	WLAN, 10062-CAD	5180.0, 36	5.41	4.59	36.7	22.3	21.5

Hardware Setup

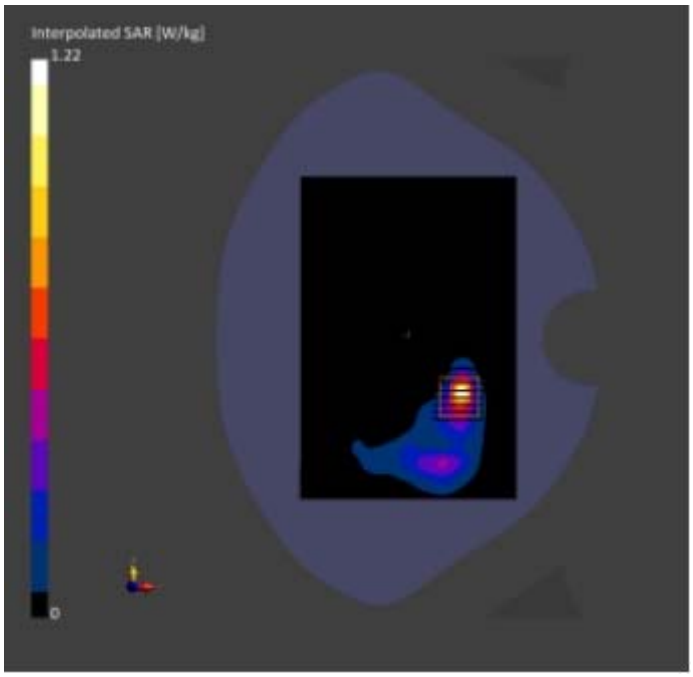
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-11	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-11	2023-09-11
psSAR1g [W/kg]	0.262	0.295
psSAR10g [W/kg]	0.073	0.079
Power Drift [dB]	0.02	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.9
Dist 3dB Peak [mm]		5.7


Interpolated SAR [W/kg]
1.22
0

Meas.86 Body Plan with Back Side 10mm on 149 Channel in IEEE802.11a mode with Antenna 9&13

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 5.00	WLAN 5GHz	WLAN, 10062-CAD	5745.0, 149	4.78	5.17	35.4	22.8	21.6

Hardware Setup

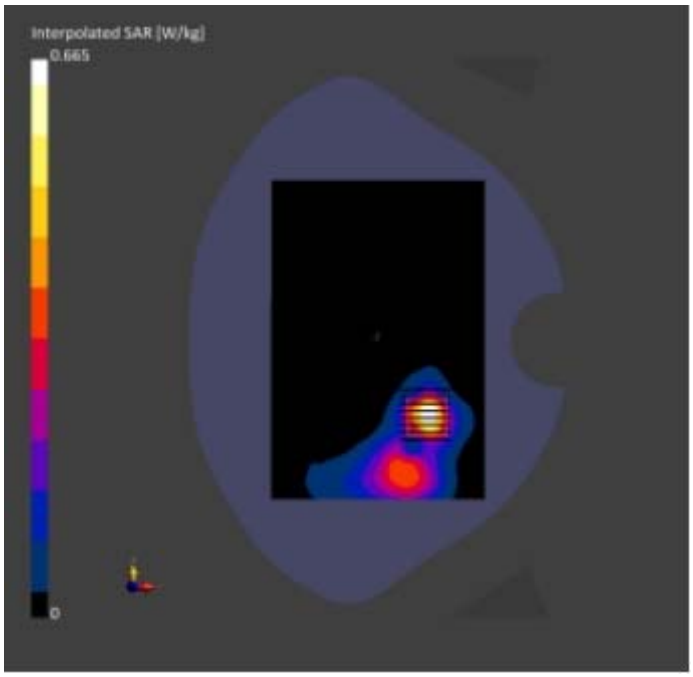
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-16	2023-09-16
psSAR1g [W/kg]	0.595	0.614
psSAR10g [W/kg]	0.186	0.209
Power Drift [dB]	-0.06	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.5
Dist 3dB Peak [mm]		7.2


Interpolated SAR [W/kg]
0.665
0

Meas.87 Body Plan with Top Edge 0mm on 52 Channel in IEEE802.11a mode with Antenna 9&13

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5260.0, 52	5.41	4.74	35.7	22.3	21.5

Hardware Setup

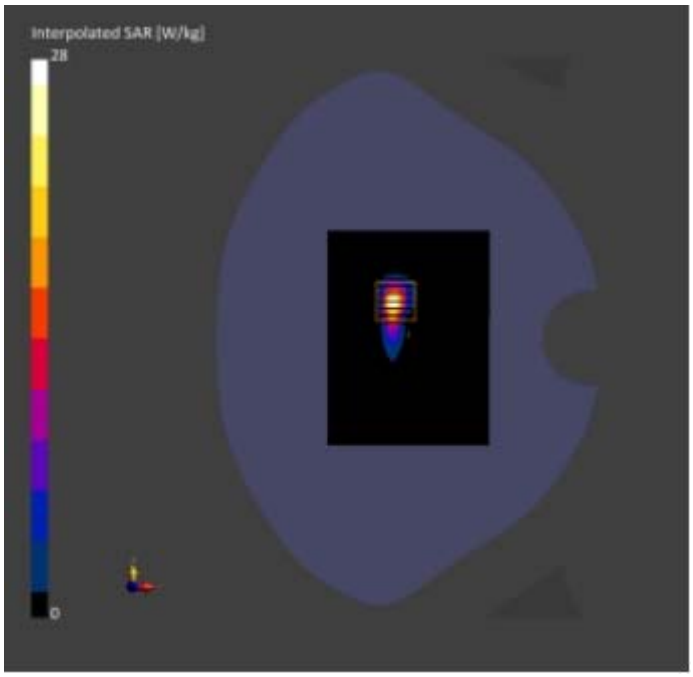
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-11	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	9.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-11	2023-09-11
psSAR1g [W/kg]	4.54	5.51
psSAR10g [W/kg]	1.11	1.25
Power Drift [dB]	-0.12	-0.03
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		46.7
Dist 3dB Peak [mm]		4.7


Interpolated SAR [W/kg]
28
0

Meas.88 Body Plan with Bottom Edge 0mm on 140 Channel in IEEE802.11a mode with Antenna 9&13

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5700.0, 140	4.78	5.22	35.2	22.7	21.3

Hardware Setup

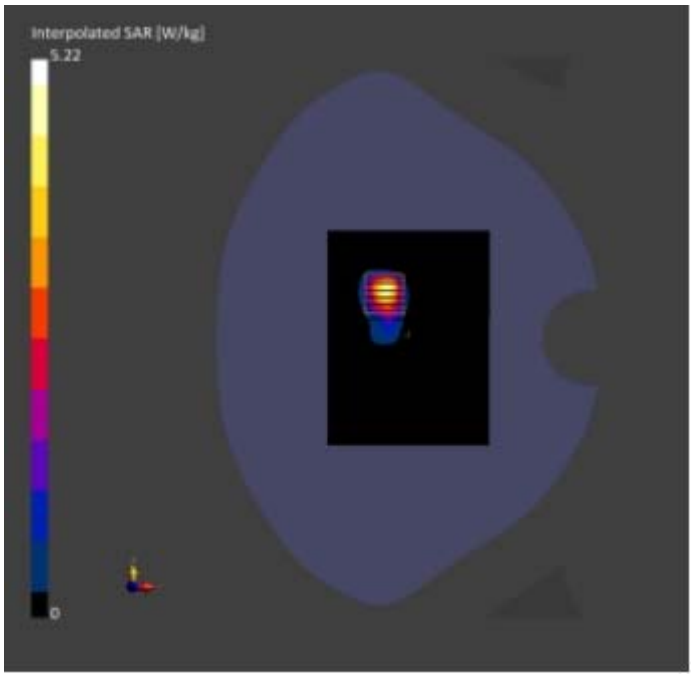
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	9.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-14	2023-09-14
psSAR1g [W/kg]	3.08	5.22
psSAR10g [W/kg]	0.927	1.15
Power Drift [dB]	0.06	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.4
Dist 3dB Peak [mm]		4.5


Interpolated SAR [W/kg]
5.22
0

Meas.89 Right Head with Cheek on 39 Channel in Bluetooth mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	7.47	1.79	39.8	22.3	21.2

Hardware Setup

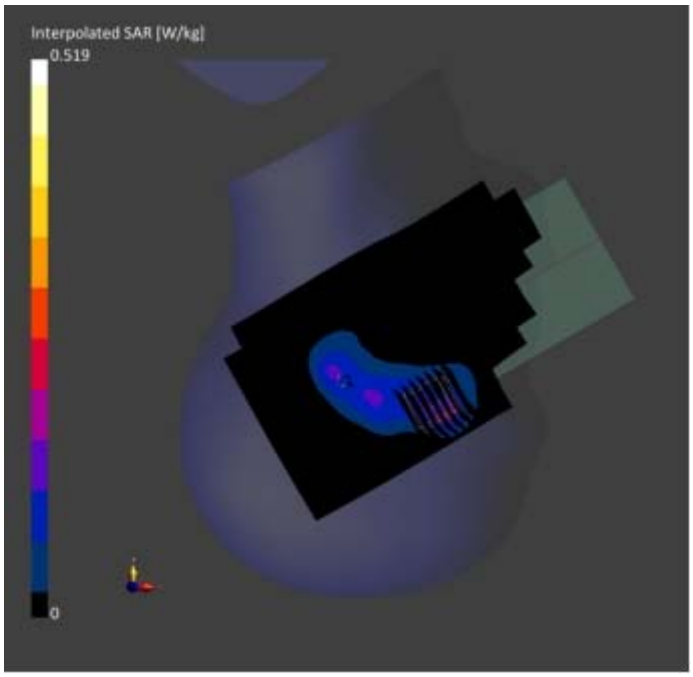
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-09	2023-09-09
psSAR1g [W/kg]	0.152	0.172
psSAR10g [W/kg]	0.078	0.085
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.3
Dist 3dB Peak [mm]		5.2


Interpolated SAR [W/kg]
0.519
0

Meas.90 Body Plan with Back Side 15mm on 39 Channel in Bluetooth mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	7.47	1.79	39.8	22.3	21.2

Hardware Setup

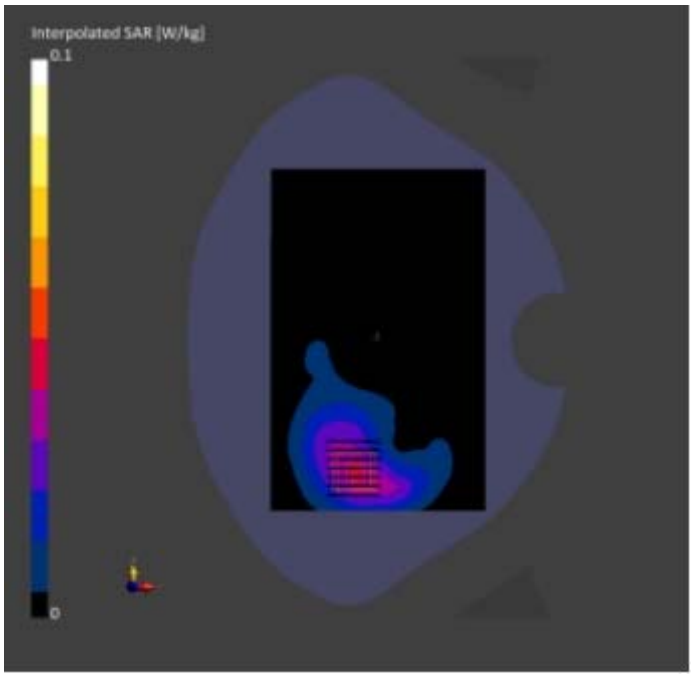
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-09	2023-09-09
psSAR1g [W/kg]	0.035	0.034
psSAR10g [W/kg]	0.020	0.019
Power Drift [dB]	0.04	0.11
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		52.2
Dist 3dB Peak [mm]		> 15.0


Interpolated SAR [W/kg]
0.1
0

Meas.91 Body Plan with Top Edge 10mm on 39 Channel in Bluetooth mode with Antenna 12

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CPH2519	166.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	7.47	1.79	39.8	22.3	21.2

Hardware Setup

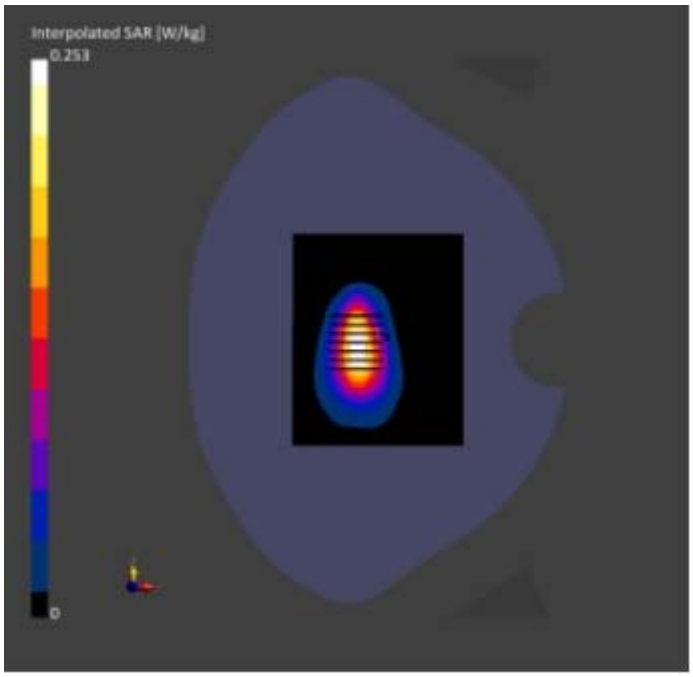
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000, 2023-09-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn878, 2023-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-09-09	2023-09-09
psSAR1g [W/kg]	0.132	0.135
psSAR10g [W/kg]	0.065	0.067
Power Drift [dB]	-0.02	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.9
Dist 3dB Peak [mm]		10.0


Interpolated SAR [W/kg]
0.253
0

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2380398-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2380398-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “CALIBRATION REPORT.pdf”.

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