

TEST REPORT

Applicant: Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address: No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China
Equipment Type: Mobile Phone
Model Name: RMX3741
Brand Name: realme
FCC ID: 2AUYFRMX3741
Test Standard: FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR: Head (1 g@0mm): 1.08 W/kg
Body-worn (1 g@15mm): 0.33 W/kg
Hotspot (1 g@10mm): 0.96 W/kg
Specific (10 g@0mm): 2.37 W/kg
Sample Arrival Date: Feb. 28, 2023
Test Date: Mar. 02, 2023 - Apr. 16, 2023
Date of Issue: May 11, 2023

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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(Testing Director)



Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>May 08, 2023</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>May 11, 2023</u>	<u>Add 7C, 38C, 41C data in section 11.25 – 11.27.</u>

TABLE OF CONTENTS

1	GENERAL INFORMATION.....	5
1.1	Test Laboratory	5
1.2	Test Location	5
1.3	Test Environment Condition.....	5
2	PRODUCT INFORMATION	6
2.1	Applicant Information	6
2.2	Manufacturer Information.....	6
2.3	Factory Information.....	6
2.4	General Description for Equipment under Test (EUT).....	6
2.5	Ancillary Equipment.....	7
2.6	Technical Information	8
3	SUMMARY OF TEST RESULT	10
3.1	Test Standards	10
3.2	Device Category and SAR Limit	11
3.3	Test Result Summary	12
3.4	Test Uncertainty	14
4	MEASUREMENT SYSTEM	15
4.1	Specific Absorption Rate (SAR) Definition	15
4.2	DASY SAR System	16
5	SYSTEM VERIFICATION	23
5.1	Purpose of System Check	23
5.2	System Check Setup	23
6	TEST POSITION CONFIGURATIONS	24
6.1	Head Exposure Conditions	24
6.2	Body-worn Position Conditions	26

6.3	Hotspot Mode Exposure Position Conditions	27
6.4	Product Specific 10g Exposure Consideration	28
7	MEASUREMENT PROCEDURE	29
7.1	Measurement Process Diagram	29
7.2	SAR Scan General Requirement	30
7.3	Measurement Procedure	31
7.4	Area & Zoom Scan Procedure	31
8	UL duty cycle detection mechanism specification	32
8.1	General description of UL duty cycle detection mechanism.	32
8.2	UL duty cycle detection mechanism clarifications	32
8.3	SAR test Plan	35
9	CONDUCTED RF OUPUT POWER	36
9.1	GSM.....	36
9.2	WCDMA	36
9.3	LTE.....	36
9.4	NR-SA Power	36
9.5	LTE-ENDC Power	36
9.6	NR-NSA Power.....	36
9.7	WIFI.....	37
9.8	Bluetooth	145
9.9	Power Reduction List.....	147
10	TEST EXCLUSION CONSIDERATION	162
10.1	SAR Test Exclusion Consideration Table	163
11	TEST RESULT	171
11.1	GSM 850	171
11.2	GSM 1900	172
11.3	WCDMA Band 2	174
11.4	WCDMA Band 4	176
11.5	WCDMA Band 5	178
11.6	LTE Band 2 (20MHz Bandwidth)	179
11.7	LTE Band 4 (20MHz Bandwidth)	181
11.8	LTE Band 5 (10MHz Bandwidth)	184

11.9	LTE Band 7 (20MHz Bandwidth)	186
11.10	LTE Band 12 (10MHz Bandwidth).....	190
11.11	LTE Band 13 (10MHz Bandwidth).....	192
11.12	LTE Band 17 (10MHz Bandwidth).....	194
11.13	LTE Band 26 (15MHz Bandwidth).....	196
11.14	LTE Band 66 (20MHz Bandwidth).....	198
11.15	LTE Band 38 (20MHz Bandwidth).....	203
11.16	LTE Band 41 (20MHz Bandwidth).....	205
11.17	5G n5 (20MHz Bandwidth)	208
11.18	5G n7 (20MHz Bandwidth)	210
11.19	5G n38 (20MHz Bandwidth).....	215
11.20	5G n41 (100MHz Bandwidth).....	218
11.21	5G n66 (20MHz Bandwidth).....	222
11.22	WIFI 2.4GHz.....	227
11.23	WIFI 5GHz.....	230
11.24	Bluetooth	238
11.25	LTE Band 7 Worse case for CA Test	239
11.26	LTE Band 38 Worse case for CA Test	240
11.27	LTE Band 41 Worse case for CA Test	241
12	SAR Measurement Variability	242
13	SIMULTANEOUS TRANSMISSION.....	243
13.1	Simultaneous Transmission Mode Considerations	243
13.2	Sum SAR of Simultaneous Transmission	244
14	TEST EQUIPMENTS LIST	293
ANNEX A	SIMULATING LIQUID VERIFICATION RESULT	294
ANNEX B	SYSTEM CHECK RESULT	296
ANNEX C	TEST DATA.....	372
ANNEX D	EUT EXTERNAL PHOTOS.....	550
ANNEX E	SAR TEST SETUP PHOTOS	550
ANNEX F	CALIBRATION REPORT	550

1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

1.3 Test Environment Condition

Ambient Temperature	18°C to 25°C
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.2 Manufacturer Information

Manufacturer	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.3 Factory Information

Factory	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	RMX3741
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	realme UI 4.0
Dimensions (Approx.)	Plate Material: 161.6mm×73.9mm×8.2mm Leather: 161.6mm×73.9mm×8.7mm
Weight (Approx.)	Plate Material: 183g Leather: 189g
EUT ID	S16, S17, S18, S19, S20, S21
IMEI Number	S16: IMEI1: 862194060019658, IMEI2: 862194060019641
	S17: IMEI1: 862194060019518, IMEI2: 862194060019500
	S18: IMEI1: 865631060041791, IMEI2: 865631060041783
	S19: IMEI1: 865631060041759, IMEI2: 865631060041742
	S20: IMEI1: 866192060020953, IMEI2: 866192060020946
Note1: EUT ID is used to identify the test sample in the lab internally.	
Note2: It is performed to test SAR with the EUT S17&S18&S19&S20 and conducted power with the EUT S16.	

2.5 Ancillary Equipment

Ancillary Equipment 1	Li-Polymer Battery 1	
	Brand Name	SUPERVOOC
	Model No.	BLP975
	Serial No.	N/A
	Capacitance	Rated: 2435mAh/18.94Wh Typical: 2500mAh/19.45Wh
	Rated Voltage	7.78Vdc
	Limited Voltage	8.96Vdc
	Manufacturer	SUNWODA Electronic Co., Ltd
Ancillary Equipment 2	Headset	
	Model No.	MH147
	Length (Approx.)	1.18 m

2.6 Technical Information

Network and Wireless connectivity	<p>2G Network GSM/GPRS/EDGE 850/1900 MHz</p> <p>3G Network WCDMA/HSDPA/HSUPA Band 2/4/5</p> <p>4G Network LTE FDD Band 2/4/5/7/12/13/17/26/66 LTE TDD Band 38/41</p> <p>LTE CA Uplink (UL): CA_7C, CA_38C, CA_41C</p> <p>5G Network</p> <p>SA: NR n5/n7/n38/n41/n66</p> <p>NSA: DC_2A_n66A, DC_5A_n7A, DC_5A_n66A, DC_7A_n5A, DC_7_n66A, DC_26A_n41A, DC_66A_n5A, DC_66A_n7A</p> <p>Bluetooth 5.2 (BR+EDR+BLE)</p> <p>2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), VHT20/40 and 802.11ax(HE20/40)</p> <p>5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) and 802.11ax(HE20/40/80)</p> <p>U-NII-1/2A/2C/3, GPS, NFC, BeiDou, Galileo, GLONASS, SBAS</p>
<p>Note: The EUT is a mobile phone, supporting dual SIM card slots under the same transceiver. Both SIM card slots support GSM, WCDMA, LTE and NR. And both SIM card slots share the same transceiver, so only SIM1 is tested in this report.</p>	

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

Operating Mode	GSM, WCDMA, LTE, NR, 2.4G WLAN, 5G WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 26	TX: 814 ~ 849 MHz & 824 ~ 849 MHz	RX: 859 ~ 894 MHz & 869 ~ 894 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
n66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz	

	802.11b/g /n(HT20/HT40)	2412 ~ 2462 MHz
	802.11VHT20/40	2412 ~ 2462 MHz
	802.11ax(HE20/HE40)	2412 ~ 2462 MHz
	802.11a/n(HT20/HT40) /ac(VHT20/VHT40/ VHT80) /ax(HE20/HE40/HE80)	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
Bluetooth	2402 ~ 2480 MHz	
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna	
DTM	N/A	
Hotspot Function	Support	
Power Reduction	Support	
Exposure Category	General Population/Uncontrolled exposure	
EUT Stage	Portable Device	
Product	Type	
	<input checked="" type="checkbox"/> Production unit	<input type="checkbox"/> Identical prototype
<p>Note:</p> <ol style="list-style-type: none"> 1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for held-to-ear exposure conditions. 2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for near to body exposure conditions. 3. The reduction power details please refer section 8.9. 		

3 SUMMARY OF TEST RESULT

3.1 Test Standards

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

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR (1 g Value)

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	0.42	0.16	0.33	/	1.08	0.33	0.96	2.37
	GSM 1900	0.91	0.23	0.84	/				
	WCDMA Band 2	1.03	0.33	0.94	2.37				
	WCDMA Band 4	0.50	0.20	0.96	1.95				
	WCDMA Band 5	0.30	0.14	0.24	/				
	LTE Band 2	0.75	0.32	0.75	/				
	LTE Band 4	0.23	0.22	0.87	1.76				
	LTE Band 5	0.34	0.13	0.23	/				
	LTE Band 7	1.01	0.20	0.59	1.65				
	LTE Band 12	0.19	0.16	0.20	/				
	LTE Band 13	0.14	0.07	0.10	/				
	LTE Band 17	0.15	0.16	0.12	/				
	LTE Band 26	0.30	0.15	0.22	/				
	LTE Band 66	0.73	0.32	0.88	1.20				
	LTE Band 38	0.57	0.25	0.69	/				
	LTE Band 41	0.68	0.17	0.61	1.51				
	NR n5	0.33	0.10	0.20	/				
	NR n7	0.78	0.26	0.67	1.91				
	NR n38	0.82	0.21	0.51	1.57				
NR n41	0.50	0.20	0.90	1.25					
NR n66	0.77	0.20	0.73	1.75					
DTS	2.4G WLAN	1.08	0.15	0.58	/				
NII	5.3G WLAN	0.59	0.22	0.57	/				
	5.6G WLAN	0.71	0.24	/	/				
	5.8G WLAN	0.96	0.19	0.85	/				
DSS	Bluetooth	0.38	0.04	0.10	/				
Limit (W/kg)		1.6			4.0	1.6			4.0
Verdict		Pass							

3.3.2 Highest Specific SAR (10 g Value)

Equipment Class	Maximum Scaled SAR (W/kg)			
	Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)
	1g SAR			10g SAR
PCE	1.590	0.479	1.261	2.943
DTS	1.576	0.418	1.132	/
NII	1.590	0.479	1.261	2.943
DSS	1.590	0.479	1.261	/
Limit (W/Kg)	1.60	1.60	1.60	4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 12.2				

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.08 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 2.37 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:

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

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

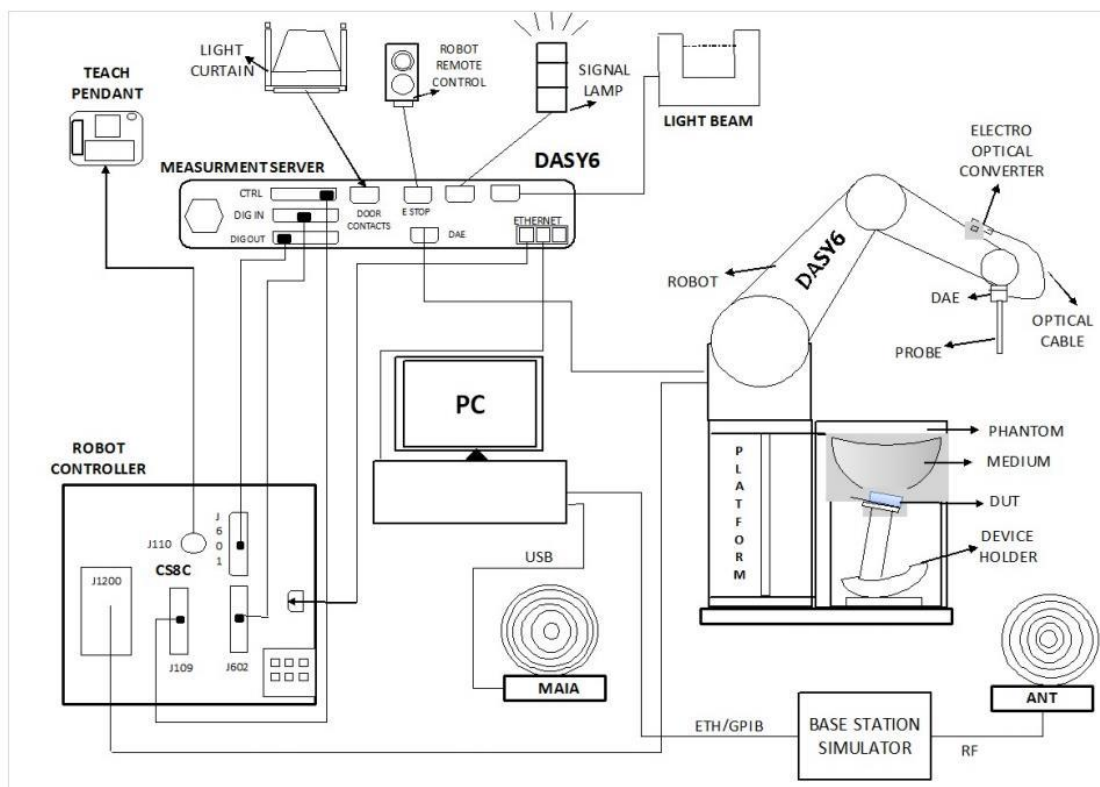
$$SAR = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram

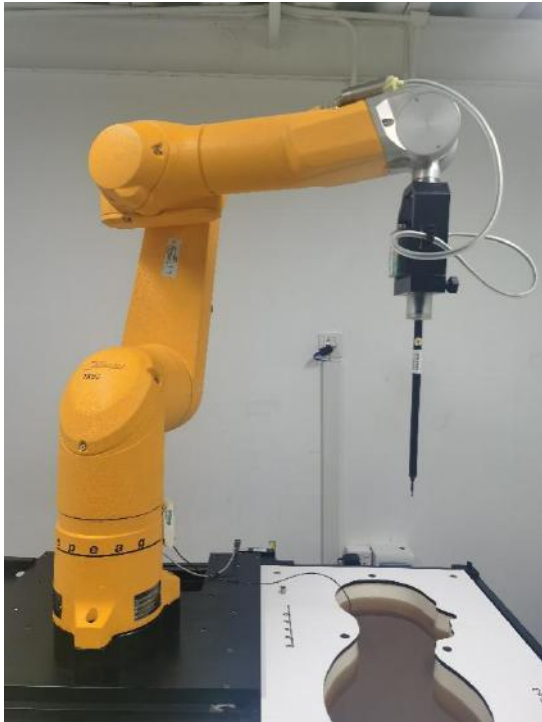


The DASY system for performing compliance tests consists of the following items:

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

4.2.2 Robot

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



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

4.2.3 E-Field Probe

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

Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	4 MHz to 10 GHz; Linearity: ± 0.2 dB
Directivity	± 0.2 dB in HSL (rotation around probe axis) ; ± 0.4 dB in HSL (rotation normal to probe axis)
Dynamic range	5 μ W/g to > 100 mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 337 mm (Tip: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)



E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

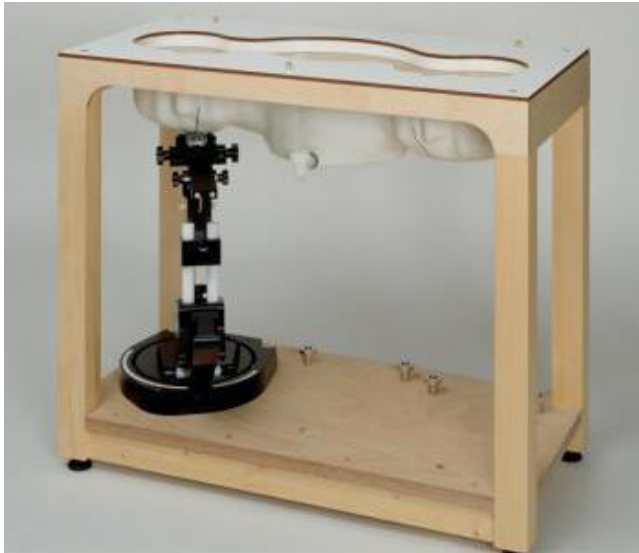
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



- Input Impedance: 200M Ω m
- 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 SN1859



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

4.2.6 Device Holder

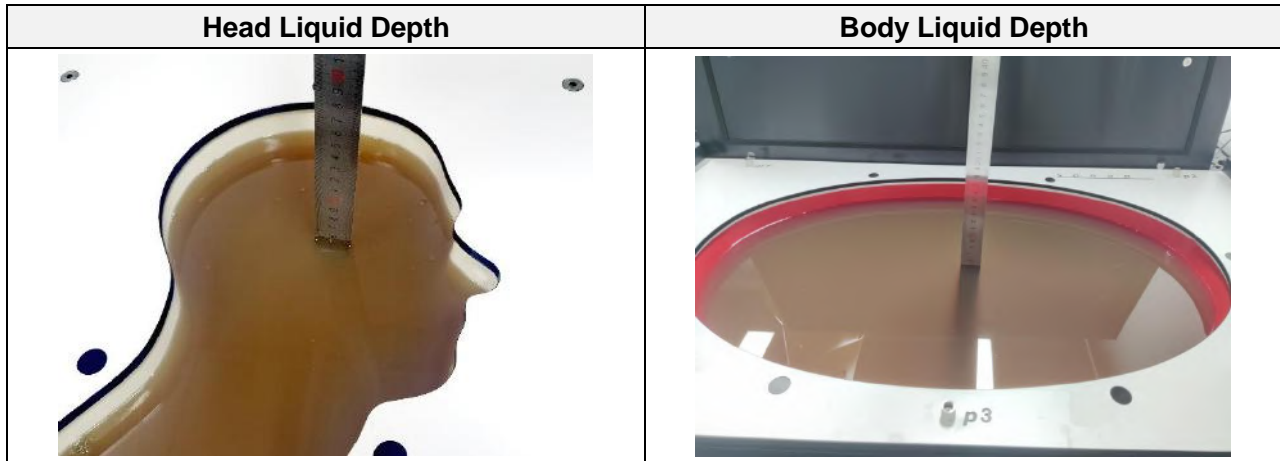
The DASY device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for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



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

4.2.7 Simulating Liquid

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



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

The following table gives the recipes for tissue simulating liquid.

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

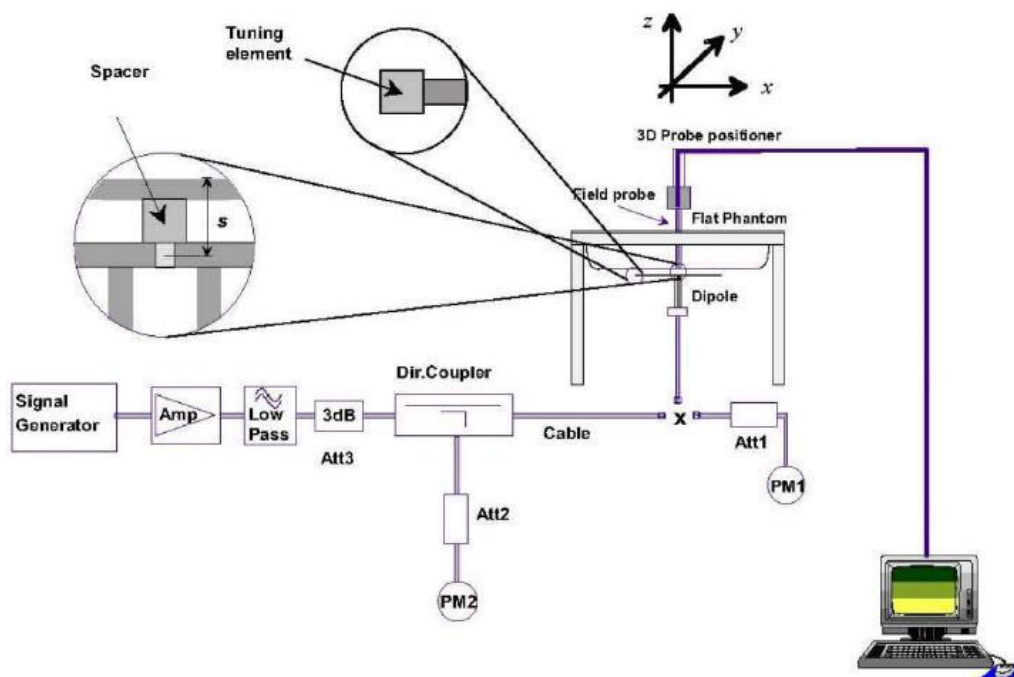
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

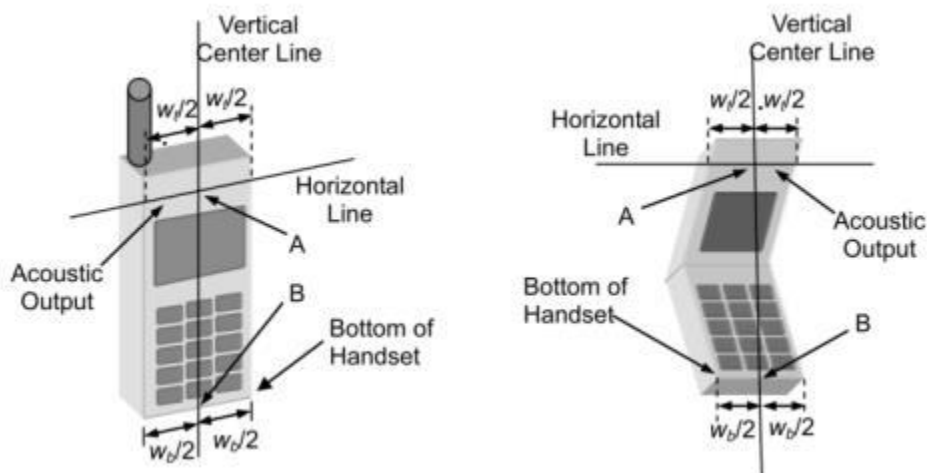
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

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

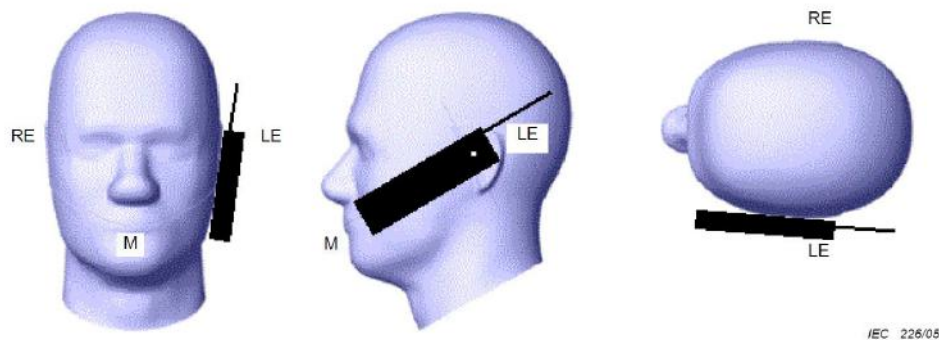
6.1.1 Two Imaginary Lines on the Handset

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



6.1.2 Cheek Position

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



6.1.3 Tilted Position

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

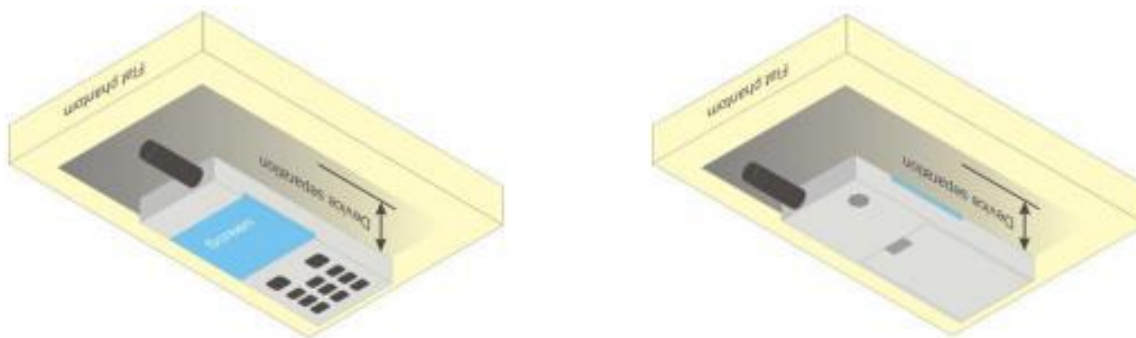


6.2 Body-worn Position Conditions

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

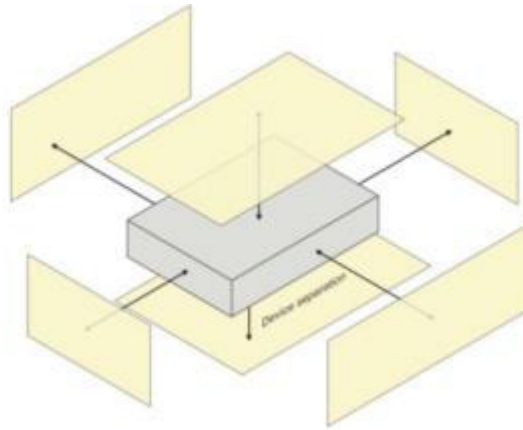
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



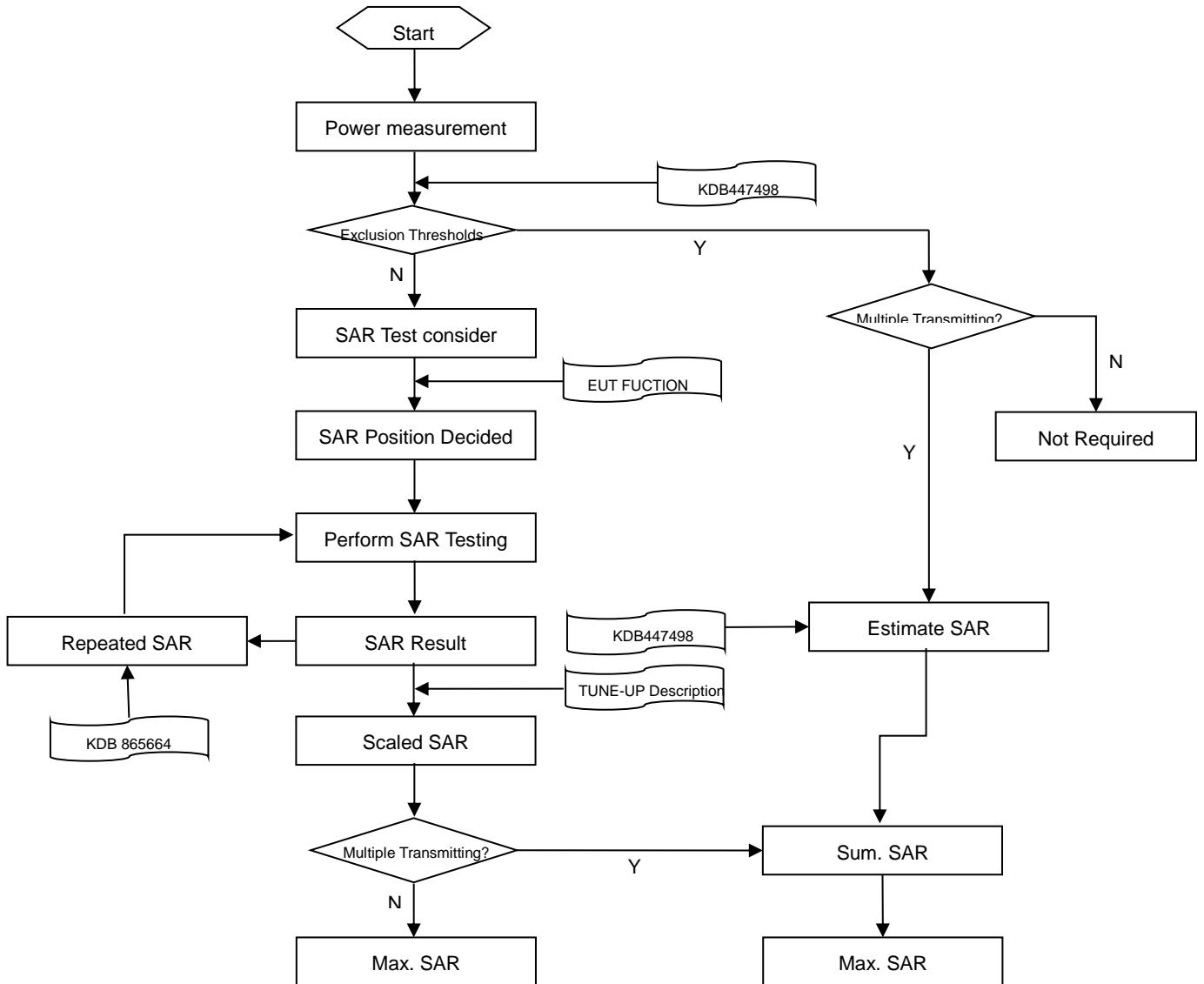
6.4 Product Specific 10g Exposure Consideration

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

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

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

Note:

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

7.3 Measurement Procedure

The following steps are used for each test position

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

7.4 Area & Zoom Scan Procedure

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

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

8 UL duty cycle detection mechanism specification

8.1 General description of UL duty cycle detection mechanism.

This mobile phone supporting the UL duty cycle detection mechanism for LTE TDD & NR5G (including FR1 SA and FR1 ENDC), the rest RAT will not apply. The main purpose is to distinguish duty cycle of UL symbol and apply the relevant power levels accordingly. The main purpose is to provide enhanced user experience while meeting the SAR compliance for transmission scheduling.

Table 1: Summary of UL duty cycle detection mechanism (Note 1)

UL duty cycle	P_{cmax}
k1%	$P_{max} - \text{Max}(P_{SAR} - k1 P_{offset}, 0)$
k2%	$P_{max} - \text{Max}(P_{SAR} - k2 P_{offset}, 0)$
...	...
kn% (max UL duty cycle)	$P_{max} - \text{Max}(P_{SAR} - kn P_{offset}, 0)$

Note 1 (See note 4 for more information):

UL duty cycle: Uplink duty cycle.

P_{cmax} : Power level for each UL duty cycle.

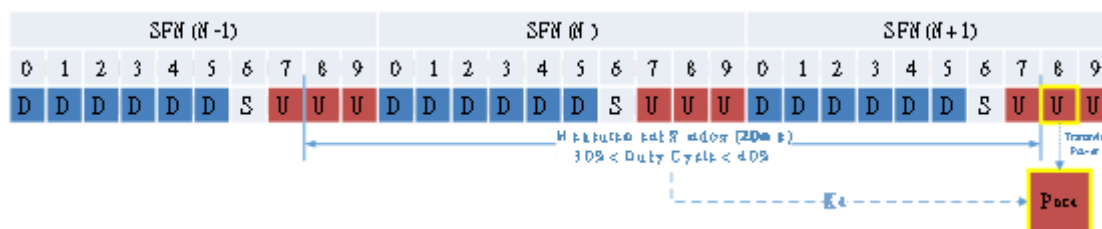
P_{max} : Max power level.

P_{SAR} : Actual max power offset.

P_{offset} : The theoretical value of power offset calculated according to the duty cycle K parameter, is an invariant parameter.

8.2 UL duty cycle detection mechanism clarifications

UL duty cycle detection mechanism, based on MTK platform. There is sliding windows moving by one slot and real-time calculate the percentage of the symbols with transmit, then apply the relevant power levels accordingly.



The software of the device has standalone module (Note 2) to monitor the UL scheduling with sliding windows and calculate the current transmission percentage k, and apply the relevant power levels accordingly on next UL slot.

Note 2:

This standalone module only monitor LTE TDD & NR5G (including FR1 SA and FR1 ENDC), the rest RAT will not apply.

The device offers max to 9 sets power offset NVs for each NR5G band, and 6 sets power offset NVs for each LTE TDD band. These NVs offer addition power offset for all LTE TDD/NR bands. When certain set NVs works, P_{cmax} will calculate with below funtion:

$$P_{cmax} = P_{max} - \text{Max}(P_{SAR} - kn P_{offset}, 0) \text{ (Note 3)}$$

Note 3 (See note 4 for more information):

P_{cmax} : Power level for each UL duty cycle.

P_{\max} : Max power level.

P_{SAR} : Actual max power offset.

P_{offset} : The theoretical value of power offset calculated according to the duty cycle K parameter, is an invariant parameter.

More details information followings:

Table 2: NR5G bands (Note 4)

(1#) UL duty cycle	(2#) Max UL duty cycle	(3#) Max UL duty cycle factor (dB)	(4#) P_{offset}	(7#) P_{cmax} (dBm)	(8#) Frame-Averaged P_{cmax} (dBm)
$0\% \leq K1 \leq 10\%$	10%	-10.00	10.00	24.20	14.20
$10\% < K2 \leq 20\%$	20%	-6.99	6.50	24.20	17.21
$20\% < K3 \leq 30\%$	30%	-5.23	5.00	23.70	18.47
$30\% < K4 \leq 40\%$	40%	-3.98	3.50	22.20	18.22
$40\% < K5 \leq 50\%$	50%	-3.01	3.00	21.70	18.69
$50\% < K6 \leq 60\%$	60%	-2.22	2.00	20.70	18.48
$60\% < K7 \leq 70\%$	70%	-1.55	1.50	20.20	18.65
$70\% < K8 \leq 80\%$	80%	-0.97	0.50	19.20	18.23
$80\% < K9 \leq 100\%$	100%	0.00	0.00	18.70	18.70

(5#) $P_{\max} = 24.20$ (dBm), (6#) $P_{\text{SAR}} = 5.50$ (dB)

Note 4:

(1#)UL duty cycle: The device offers 9 sets UL duty cycle for each NR5G band. determined by UL symbol numbers percentage during dedicated period, 5G NR UL duty cycle range from 0% to 100%, is an invariant parameter.

(2#)Max UL duty cycle: Maximum duty cycle for each UL duty cycle sets, is an invariant parameter.

(3#)Max UL duty cycle_factor = $10 \cdot \log(\text{Max UL duty cycle})$, is an invariant parameter.

(4#) P_{offset} = The theoretical value of power offset calculated according to the duty cycle K parameter, is an invariant parameter. The 5G NR values are shown in Table 2, and the 4G LTE TDD values are shown in Table 3.

(5#) P_{\max} : Max power level, the maximum power value of each band is different, defined by factory.

(6#) P_{SAR} : Actual max power offset, the max power offset of each band is different, defined by factory. The value of P_{SAR} is affected by the SAR value of the maximum UL duty cycle configuration(5G NR is 100%, LTE TDD is 63.3%). For example, the SAR of the UE meets the standard requirements under the maximum UL duty cycle and the highest power (P_{\max} - 0dB) configuration, and $P_{\text{SAR}} = 0$ dB; the SAR of the UE meets the standard requirements under the maximum UL duty cycle and the highest power (P_{\max} - 4dB) configuration, and $P_{\text{SAR}} = 4$ dB.

(7#) P_{cmax} : Power level for each UL duty cycle, the power level of each band is different, $P_{\text{cmax}} = P_{\max} - \text{Max}(P_{\text{SAR}} - k \cdot P_{\text{offset}}, 0)$, the larger UL duty cycle, the lower power level; the smaller UL duty cycle, the higher power level, but will not greater than the full power of UE.

(8#) Frame-Averaged P_{cmax} : Frame-Averaged $P_{\text{cmax}} = (7\#)P_{\text{cmax}} + (3\#)\text{Max UL duty cycle_factor}$, SAR test reduction for 9 sets (1#)UL duty cycle is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions.

For 5G NR test, using factory test mode to perform SAR with the highest Frame-Averaged P_{cmax} configuration, and UL duty cycle =100%.

Table 3: LTE TDD bands (Note 5)

UL duty cycle	Max UL duty cycle	Max UL duty cycle factor (dB)	P_{offset}	P_{cmax} (dBm)	Frame-Averaged P_{cmax} (dBm)
$0\% < K1 \leq 20\%$	11.7%	-9.32	5.00	24.00	14.68
$20\% < K2 \leq 30\%$	23.3%	-6.33	3.50	23.50	17.17
$30\% < K3 \leq 40\%$	31.7%	-4.99	2.00	22.00	17.01
$40\% < K4 \leq 50\%$	43.3%	-3.64	1.50	21.50	17.86
$50\% < K5 \leq 60\%$	53.3%	-2.73	0.50	20.50	17.77
$60\% < K6 \leq 63.3\%$	63.3%	-1.99	0.00	20.00	18.01
$P_{\text{max}} = 24.00$ (dBm), $P_{\text{SAR}} = 4.00$ (dB)					

Note 5:

UL duty cycle: The device offers 6 sets UL duty cycle for each LTE TDD band. determined by UL symbol numbers percentage during dedicated period, 3GPP 36.211 defines LTE TDD uplink time slot configuration, maximum uplink duty cycle is 63.3%.

Configuration	Periodicity	Subframe number										max UL duty cycle
		0	1	2	3	4	5	6	7	8	9	
0	5 ms	D	S	U	U	U	D	S	U	U	U	63.3%
1	5 ms	D	S	U	U	D	D	S	U	U	D	43.3%
2	5 ms	D	S	U	D	D	D	S	U	D	D	23.3%
3	10 ms	D	S	U	U	U	D	D	D	D	D	31.7%
4	10 ms	D	S	U	U	D	D	D	D	D	D	21.7%
5	10 ms	D	S	U	D	D	D	D	D	D	D	11.7%
6	5 ms	D	S	U	U	U	D	S	U	U	D	53.3%

For LTE TDD test, power class using uplink-downlink configuration 0 and special subframe configuration 7 for frame structure type to perform SAR with the highest Frame-Averaged P_{cmax} configuration, and UL duty cycle =63.3%.

Note 6:

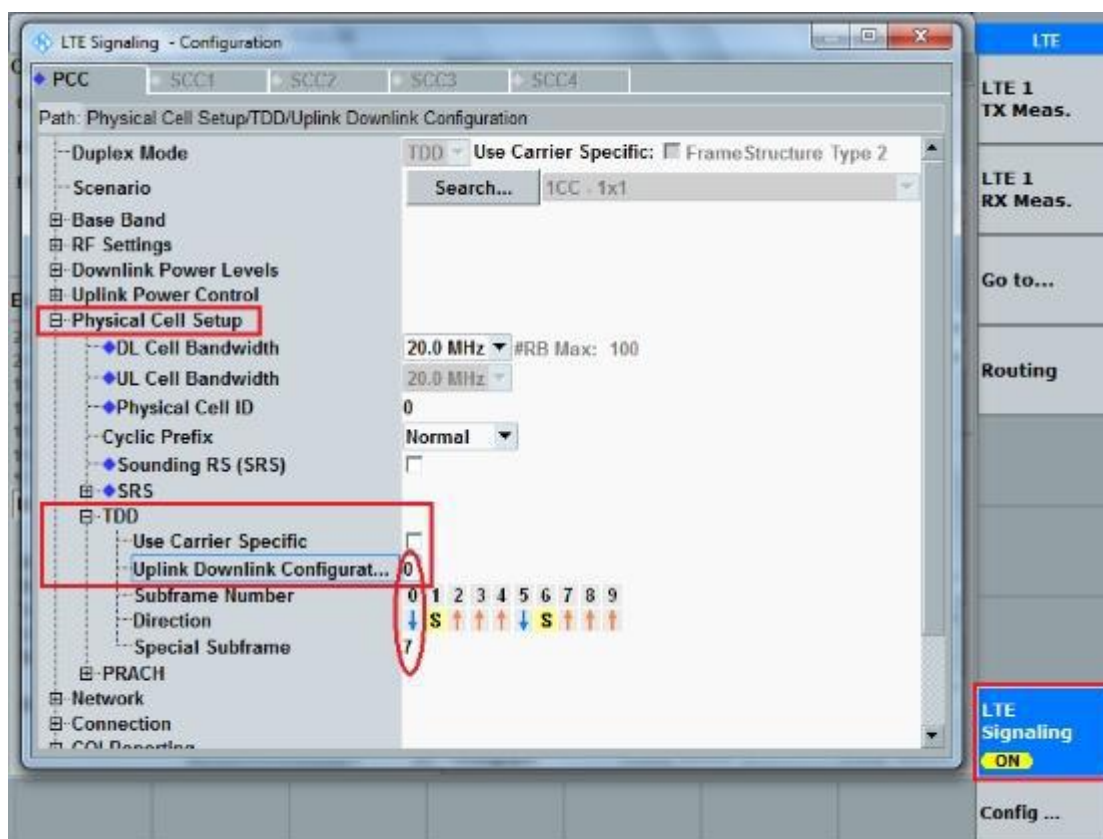
Conducted Power in each UL duty cycle for each LTE TDD/NR band please refer the document “DC SAR Power List”

8.3 SAR test Plan

For each band, the SAR evaluation uses the highest Frame-Averaged $P_{\text{cm}ax}$ configuration.

(3.1) For 5G NR test, using factory test mode to perform SAR with the highest Frame-Averaged $P_{\text{cm}ax}$ configuration, and UL duty cycle =100%.

(3.2) For LTE TDD test, power class using uplink-downlink configuration 0 and special subframe configuration 7 for frame structure type to perform SAR with the highest Frame-Averaged $P_{\text{cm}ax}$ configuration, and UL duty cycle =63.3%.



9 CONDUCTED RF OUPUT POWER

9.1 GSM

Please refer the document “BL-SZ2320162-701 Conducted RF Output Power List.pdf”.

9.2 WCDMA

Please refer the document “BL-SZ2320162-701 Conducted RF Output Power List.pdf”.

9.3 LTE

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-SZ2320162-701 Conducted RF Output Power List.pdf”.

9.4 NR-SA Power

Please refer the document “BL-SZ2320162-701 Conducted RF Output Power List.pdf”.

9.5 LTE-ENDC Power

Please refer the document “BL-SZ2320162-701 Conducted RF Output Power List.pdf”.

9.6 NR-NSA Power

Please refer the document “BL-SZ2320162-701 Conducted RF Output Power List.pdf”.

9.7 WIFI

9.7.1 2.4G WIFI-ANT8-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.87	18.50	Yes
		6	2437	16.92	18.50	Yes
		11	2462	17.17	18.50	Yes
	802.11g	1	2412	17.75	19.00	No
		6	2437	17.87	19.00	No
		11	2462	17.64	19.00	No
	802.11n(HT20)	1	2412	17.76	19.00	No
		6	2437	17.88	19.00	No
		11	2462	17.67	19.00	No
	802.11n(HT40)	3	2422	17.72	19.00	No
		6	2432	17.72	19.00	No
		9	2452	17.82	19.00	No
	VHT(20 MHz)	1	2412	17.63	19.00	No
		6	2437	17.74	19.00	No
		11	2462	17.94	19.00	No
	VHT(40 MHz)	3	2422	17.81	19.00	No
		6	2432	17.93	19.00	No
		9	2452	17.83	19.00	No
	802.11ax(HE20)	1	2412	17.69	19.00	No
		6	2437	17.98	19.00	No
		11	2462	17.70	19.00	No
	802.11ax(HE40)	3	2422	17.77	19.00	No
		6	2432	17.95	19.00	No
		9	2452	17.79	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 (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.738 * (79.43\text{mW}/70.79\text{mW}) = 0.828$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.2 2.4G WIFI-ANT8-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.36	17.00	Yes
		6	2437	16.90	17.00	Yes
		11	2462	16.89	17.00	Yes
	802.11g	1	2412	16.30	17.00	No
		6	2437	16.38	17.00	No
		11	2462	16.21	17.00	No
	802.11n(HT20)	1	2412	16.05	17.00	No
		6	2437	16.39	17.00	No
		11	2462	16.21	17.00	No
	802.11n(HT40)	3	2422	16.25	17.00	No
		6	2432	16.04	17.00	No
		9	2452	16.14	17.00	No
	VHT(20 MHz)	1	2412	16.17	17.00	No
		6	2437	16.10	17.00	No
		11	2462	16.11	17.00	No
	VHT(40 MHz)	3	2422	16.02	17.00	No
		6	2432	16.36	17.00	No
		9	2452	16.27	17.00	No
	802.11ax(HE20)	1	2412	16.13	17.00	No
		6	2437	16.27	17.00	No
		11	2462	16.26	17.00	No
	802.11ax(HE40)	3	2422	16.04	17.00	No
		6	2432	16.01	17.00	No
		9	2452	16.10	17.00	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.738 * (50.12\text{mW}/50.12\text{mW}) = 0.738$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.3 2.4G WIFI-ANT8-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.36	17.00	Yes
		6	2437	16.90	17.00	Yes
		11	2462	16.89	17.00	Yes
	802.11g	1	2412	16.30	17.00	No
		6	2437	16.38	17.00	No
		11	2462	16.21	17.00	No
	802.11n(HT20)	1	2412	16.05	17.00	No
		6	2437	16.39	17.00	No
		11	2462	16.21	17.00	No
	802.11n(HT40)	3	2422	16.25	17.00	No
		6	2432	16.04	17.00	No
		9	2452	16.14	17.00	No
	VHT(20 MHz)	1	2412	16.17	17.00	No
		6	2437	16.10	17.00	No
		11	2462	16.11	17.00	No
	VHT(40 MHz)	3	2422	16.02	17.00	No
		6	2432	16.36	17.00	No
		9	2452	16.27	17.00	No
	802.11ax(HE20)	1	2412	16.13	17.00	No
		6	2437	16.27	17.00	No
		11	2462	16.26	17.00	No
802.11ax(HE40)	3	2422	16.04	17.00	No	
	6	2432	16.01	17.00	No	
	9	2452	16.10	17.00	No	

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.738 * (50.12\text{mW}/50.12\text{mW}) = 0.738$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.4 2.4G WIFI-ANT8-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.88	16.00	Yes
		6	2437	15.25	16.00	Yes
		11	2462	15.95	16.00	Yes
	802.11g	1	2412	15.18	16.00	No
		6	2437	15.11	16.00	No
		11	2462	15.15	16.00	No
	802.11n(HT20)	1	2412	15.08	16.00	No
		6	2437	15.00	16.00	No
		11	2462	15.00	16.00	No
	802.11n(HT40)	3	2422	15.01	16.00	No
		6	2432	15.14	16.00	No
		9	2452	15.19	16.00	No
	VHT(20 MHz)	1	2412	15.25	16.00	No
		6	2437	15.15	16.00	No
		11	2462	15.28	16.00	No
	VHT(40 MHz)	3	2422	15.23	16.00	No
		6	2432	15.34	16.00	No
		9	2452	15.12	16.00	No
	802.11ax(HE20)	1	2412	15.30	16.00	No
		6	2437	15.35	16.00	No
		11	2462	15.15	16.00	No
	802.11ax(HE40)	3	2422	15.40	16.00	No
		6	2432	15.13	16.00	No
		9	2452	15.22	16.00	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.546 * (39.81\text{mW}/39.81\text{mW}) = 0.546$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.5 2.4G WIFI-ANT8-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	14.22	14.50	Yes
		6	2437	14.47	14.50	Yes
		11	2462	13.36	14.50	Yes
	802.11g	1	2412	13.64	14.50	No
		6	2437	13.88	14.50	No
		11	2462	13.60	14.50	No
	802.11n(HT20)	1	2412	13.71	14.50	No
		6	2437	13.81	14.50	No
		11	2462	13.58	14.50	No
	802.11n(HT40)	3	2422	13.76	14.50	No
		6	2432	13.81	14.50	No
		9	2452	13.72	14.50	No
	VHT(20 MHz)	1	2412	13.59	14.50	No
		6	2437	13.59	14.50	No
		11	2462	13.61	14.50	No
	VHT(40 MHz)	3	2422	13.53	14.50	No
		6	2432	13.64	14.50	No
		9	2452	13.83	14.50	No
	802.11ax(HE20)	1	2412	13.86	14.50	No
		6	2437	13.89	14.50	No
		11	2462	13.64	14.50	No
	802.11ax(HE40)	3	2422	13.67	14.50	No
		6	2432	13.51	14.50	No
		9	2452	13.59	14.50	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.351 * (28.18\text{mW}/28.18\text{mW}) = 0.351$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.6 2.4G WIFI-ANT8-Level5

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.87	18.50	Yes
		6	2437	16.92	18.50	Yes
		11	2462	17.17	18.50	Yes
	802.11g	1	2412	17.75	19.00	No
		6	2437	17.87	19.00	No
		11	2462	17.64	19.00	No
	802.11n(HT20)	1	2412	17.76	19.00	No
		6	2437	17.88	19.00	No
		11	2462	17.67	19.00	No
	802.11n(HT40)	3	2422	17.72	19.00	No
		6	2432	17.72	19.00	No
		9	2452	17.82	19.00	No
	VHT(20 MHz)	1	2412	17.63	19.00	No
		6	2437	17.74	19.00	No
		11	2462	17.94	19.00	No
	VHT(40 MHz)	3	2422	17.81	19.00	No
		6	2432	17.93	19.00	No
		9	2452	17.83	19.00	No
	802.11ax(HE20)	1	2412	17.69	19.00	No
		6	2437	17.98	19.00	No
		11	2462	17.70	19.00	No
	802.11ax(HE40)	3	2422	17.77	19.00	No
		6	2432	17.95	19.00	No
		9	2452	17.79	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 (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.402 * (79.43\text{mW}/70.79\text{mW}) = 0.451$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.7 2.4G WIFI-ANT8-Level6

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.87	18.50	Yes
		6	2437	16.92	18.50	Yes
		11	2462	17.17	18.50	Yes
	802.11g	1	2412	17.75	19.00	No
		6	2437	17.87	19.00	No
		11	2462	17.64	19.00	No
	802.11n(HT20)	1	2412	17.76	19.00	No
		6	2437	17.88	19.00	No
		11	2462	17.67	19.00	No
	802.11n(HT40)	3	2422	17.72	19.00	No
		6	2432	17.72	19.00	No
		9	2452	17.82	19.00	No
	VHT(20 MHz)	1	2412	17.63	19.00	No
		6	2437	17.74	19.00	No
		11	2462	17.94	19.00	No
	VHT(40 MHz)	3	2422	17.81	19.00	No
		6	2432	17.93	19.00	No
		9	2452	17.83	19.00	No
	802.11ax(HE20)	1	2412	17.69	19.00	No
		6	2437	17.98	19.00	No
		11	2462	17.70	19.00	No
	802.11ax(HE40)	3	2422	17.77	19.00	No
		6	2432	17.95	19.00	No
		9	2452	17.79	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 (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.402 * (79.43\text{mW}/70.79\text{mW}) = 0.451$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.8 2.4G WIFI-ANT8-Level7

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.88	16.00	Yes
		6	2437	15.25	16.00	Yes
		11	2462	15.95	16.00	Yes
	802.11g	1	2412	15.18	16.00	No
		6	2437	15.11	16.00	No
		11	2462	15.15	16.00	No
	802.11n(HT20)	1	2412	15.08	16.00	No
		6	2437	15.00	16.00	No
		11	2462	15.00	16.00	No
	802.11n(HT40)	3	2422	15.01	16.00	No
		6	2432	15.14	16.00	No
		9	2452	15.19	16.00	No
	VHT(20 MHz)	1	2412	15.25	16.00	No
		6	2437	15.15	16.00	No
		11	2462	15.28	16.00	No
	VHT(40 MHz)	3	2422	15.23	16.00	No
		6	2432	15.34	16.00	No
		9	2452	15.12	16.00	No
	802.11ax(HE20)	1	2412	15.30	16.00	No
		6	2437	15.35	16.00	No
		11	2462	15.15	16.00	No
	802.11ax(HE40)	3	2422	15.40	16.00	No
		6	2432	15.13	16.00	No
		9	2452	15.22	16.00	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.175 * (39.81\text{mW}/39.81\text{mW}) = 0.175$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.9 2.4G WIFI-ANT8-Level8

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.56	13.00	Yes
		6	2437	12.71	13.00	Yes
		11	2462	12.47	13.00	Yes
	802.11g	1	2412	11.39	13.00	No
		6	2437	11.80	13.00	No
		11	2462	11.92	13.00	No
	802.11n(HT20)	1	2412	12.03	13.00	No
		6	2437	12.21	13.00	No
		11	2462	11.92	13.00	No
	802.11n(HT40)	3	2422	12.33	13.00	No
		6	2432	11.74	13.00	No
		9	2452	11.98	13.00	No
	VHT(20 MHz)	1	2412	11.34	13.00	No
		6	2437	12.12	13.00	No
		11	2462	11.58	13.00	No
	VHT(40 MHz)	3	2422	11.84	13.00	No
		6	2432	11.77	13.00	No
		9	2452	12.35	13.00	No
	802.11ax(HE20)	1	2412	11.77	13.00	No
		6	2437	12.06	13.00	No
		11	2462	12.19	13.00	No
	802.11ax(HE40)	3	2422	12.73	13.00	No
		6	2432	12.20	13.00	No
		9	2452	12.85	13.00	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.087 * (19.95\text{mW}/19.95\text{mW}) = 0.087$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.10 2.4G WIFI-ANT2-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.12	18.50	Yes
		6	2437	16.86	18.50	Yes
		11	2462	16.81	18.50	Yes
	802.11g	1	2412	18.33	19.00	No
		6	2437	18.04	19.00	No
		11	2462	18.20	19.00	No
	802.11n(HT20)	1	2412	18.21	19.00	No
		6	2437	18.36	19.00	No
		11	2462	18.34	19.00	No
	802.11n(HT40)	3	2422	18.26	19.00	No
		6	2432	18.37	19.00	No
		9	2452	18.38	19.00	No
	VHT(20 MHz)	1	2412	18.29	19.00	No
		6	2437	18.36	19.00	No
		11	2462	18.02	19.00	No
	VHT(40 MHz)	3	2422	18.02	19.00	No
		6	2432	18.27	19.00	No
		9	2452	18.34	19.00	No
	802.11ax(HE20)	1	2412	18.18	19.00	No
		6	2437	18.34	19.00	No
		11	2462	18.20	19.00	No
802.11ax(HE40)	3	2422	18.32	19.00	No	
	6	2432	18.10	19.00	No	
	9	2452	18.22	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 (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.365 * (79.43\text{mW}/70.79\text{mW}) = 0.410$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.11 2.4G WIFI-ANT2-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.76	17.00	Yes
		6	2437	16.52	17.00	Yes
		11	2462	16.08	17.00	Yes
	802.11g	1	2412	16.01	17.00	No
		6	2437	16.21	17.00	No
		11	2462	16.18	17.00	No
	802.11n(HT20)	1	2412	16.21	17.00	No
		6	2437	16.27	17.00	No
		11	2462	16.01	17.00	No
	802.11n(HT40)	3	2422	16.12	17.00	No
		6	2432	16.12	17.00	No
		9	2452	16.11	17.00	No
	VHT(20 MHz)	1	2412	16.40	17.00	No
		6	2437	16.37	17.00	No
		11	2462	16.25	17.00	No
	VHT(40 MHz)	3	2422	16.23	17.00	No
		6	2432	16.23	17.00	No
		9	2452	16.38	17.00	No
	802.11ax(HE20)	1	2412	16.39	17.00	No
		6	2437	16.17	17.00	No
		11	2462	16.10	17.00	No
	802.11ax(HE40)	3	2422	16.12	17.00	No
		6	2432	16.19	17.00	No
		9	2452	16.37	17.00	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.365 * (50.12\text{mW}/50.12\text{mW}) = 0.365$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.12 2.4G WIFI-ANT2-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.76	17.00	Yes
		6	2437	16.52	17.00	Yes
		11	2462	16.08	17.00	Yes
	802.11g	1	2412	16.01	17.00	No
		6	2437	16.21	17.00	No
		11	2462	16.18	17.00	No
	802.11n(HT20)	1	2412	16.21	17.00	No
		6	2437	16.27	17.00	No
		11	2462	16.01	17.00	No
	802.11n(HT40)	3	2422	16.12	17.00	No
		6	2432	16.12	17.00	No
		9	2452	16.11	17.00	No
	VHT(20 MHz)	1	2412	16.40	17.00	No
		6	2437	16.37	17.00	No
		11	2462	16.25	17.00	No
	VHT(40 MHz)	3	2422	16.23	17.00	No
		6	2432	16.23	17.00	No
		9	2452	16.38	17.00	No
	802.11ax(HE20)	1	2412	16.39	17.00	No
		6	2437	16.17	17.00	No
		11	2462	16.10	17.00	No
	802.11ax(HE40)	3	2422	16.12	17.00	No
		6	2432	16.19	17.00	No
		9	2452	16.37	17.00	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.365 * (50.12\text{mW}/50.12\text{mW}) = 0.365$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.13 2.4G WIFI-ANT2-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.82	16.00	Yes
		6	2437	15.35	16.00	Yes
		11	2462	15.76	16.00	Yes
	802.11g	1	2412	15.36	16.00	No
		6	2437	15.37	16.00	No
		11	2462	15.39	16.00	No
	802.11n(HT20)	1	2412	15.04	16.00	No
		6	2437	15.29	16.00	No
		11	2462	15.10	16.00	No
	802.11n(HT40)	3	2422	15.29	16.00	No
		6	2432	15.34	16.00	No
		9	2452	15.38	16.00	No
	VHT(20 MHz)	1	2412	15.40	16.00	No
		6	2437	15.38	16.00	No
		11	2462	15.03	16.00	No
	VHT(40 MHz)	3	2422	15.05	16.00	No
		6	2432	15.40	16.00	No
		9	2452	15.36	16.00	No
	802.11ax(HE20)	1	2412	15.12	16.00	No
		6	2437	15.04	16.00	No
		11	2462	15.30	16.00	No
802.11ax(HE40)	3	2422	15.09	16.00	No	
	6	2432	15.10	16.00	No	
	9	2452	15.39	16.00	No	

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.280 * (39.81\text{mW}/39.81\text{mW}) = 0.280$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.14 2.4G WIFI-ANT2-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	14.36	14.50	Yes
		6	2437	14.09	14.50	Yes
		11	2462	14.12	14.50	Yes
	802.11g	1	2412	13.66	14.50	No
		6	2437	13.84	14.50	No
		11	2462	13.52	14.50	No
	802.11n(HT20)	1	2412	13.70	14.50	No
		6	2437	13.57	14.50	No
		11	2462	13.67	14.50	No
	802.11n(HT40)	3	2422	13.86	14.50	No
		6	2432	13.50	14.50	No
		9	2452	13.76	14.50	No
	VHT(20 MHz)	1	2412	13.88	14.50	No
		6	2437	13.78	14.50	No
		11	2462	13.86	14.50	No
	VHT(40 MHz)	3	2422	13.72	14.50	No
		6	2432	13.65	14.50	No
		9	2452	13.58	14.50	No
	802.11ax(HE20)	1	2412	13.78	14.50	No
		6	2437	13.50	14.50	No
		11	2462	13.51	14.50	No
	802.11ax(HE40)	3	2422	13.53	14.50	No
		6	2432	13.54	14.50	No
		9	2452	13.60	14.50	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.222 * (28.18\text{mW}/28.18\text{mW}) = 0.222$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.15 2.4G WIFI-ANT2-Level5

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.12	18.50	Yes
		6	2437	16.86	18.50	Yes
		11	2462	16.81	18.50	Yes
	802.11g	1	2412	18.33	19.00	No
		6	2437	18.04	19.00	No
		11	2462	18.20	19.00	No
	802.11n(HT20)	1	2412	18.21	19.00	No
		6	2437	18.36	19.00	No
		11	2462	18.34	19.00	No
	802.11n(HT40)	3	2422	18.26	19.00	No
		6	2432	18.37	19.00	No
		9	2452	18.38	19.00	No
	VHT(20 MHz)	1	2412	18.29	19.00	No
		6	2437	18.36	19.00	No
		11	2462	18.02	19.00	No
	VHT(40 MHz)	3	2422	18.02	19.00	No
		6	2432	18.27	19.00	No
		9	2452	18.34	19.00	No
	802.11ax(HE20)	1	2412	18.18	19.00	No
		6	2437	18.34	19.00	No
		11	2462	18.20	19.00	No
	802.11ax(HE40)	3	2422	18.32	19.00	No
		6	2432	18.10	19.00	No
		9	2452	18.22	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 (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.321 * (79.43\text{mW}/70.79\text{mW}) = 0.360$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.16 2.4G WIFI-ANT2-Level6

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.12	18.50	Yes
		6	2437	16.86	18.50	Yes
		11	2462	16.81	18.50	Yes
	802.11g	1	2412	18.33	19.00	No
		6	2437	18.04	19.00	No
		11	2462	18.20	19.00	No
	802.11n(HT20)	1	2412	18.21	19.00	No
		6	2437	18.36	19.00	No
		11	2462	18.34	19.00	No
	802.11n(HT40)	3	2422	18.26	19.00	No
		6	2432	18.37	19.00	No
		9	2452	18.38	19.00	No
	VHT(20 MHz)	1	2412	18.29	19.00	No
		6	2437	18.36	19.00	No
		11	2462	18.02	19.00	No
	VHT(40 MHz)	3	2422	18.02	19.00	No
		6	2432	18.27	19.00	No
		9	2452	18.34	19.00	No
	802.11ax(HE20)	1	2412	18.18	19.00	No
		6	2437	18.34	19.00	No
		11	2462	18.20	19.00	No
802.11ax(HE40)	3	2422	18.32	19.00	No	
	6	2432	18.10	19.00	No	
	9	2452	18.22	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 (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.321 * (79.43\text{mW}/70.79\text{mW}) = 0.360$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.17 2.4G WIFI-ANT2-Level7

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.35	16.00	Yes
		6	2437	15.82	16.00	Yes
		11	2462	15.76	16.00	Yes
	802.11g	1	2412	15.38	16.00	No
		6	2437	15.32	16.00	No
		11	2462	15.11	16.00	No
	802.11n(HT20)	1	2412	15.12	16.00	No
		6	2437	15.34	16.00	No
		11	2462	15.40	16.00	No
	802.11n(HT40)	3	2422	15.19	16.00	No
		6	2432	15.27	16.00	No
		9	2452	15.02	16.00	No
	VHT(20 MHz)	1	2412	15.07	16.00	No
		6	2437	15.25	16.00	No
		11	2462	15.19	16.00	No
	VHT(40 MHz)	3	2422	15.10	16.00	No
		6	2432	15.13	16.00	No
		9	2452	15.32	16.00	No
	802.11ax(HE20)	1	2412	15.04	16.00	No
		6	2437	15.06	16.00	No
		11	2462	15.12	16.00	No
802.11ax(HE40)	3	2422	15.38	16.00	No	
	6	2432	15.00	16.00	No	
	9	2452	15.29	16.00	No	

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.175 * (39.81\text{mW}/39.81\text{mW}) = 0.175$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.18 2.4G WIFI-ANT2-Level8

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	12.62	13.00	Yes
		6	2437	12.72	13.00	Yes
		11	2462	12.97	13.00	Yes
	802.11g	1	2412	12.03	13.00	No
		6	2437	12.06	13.00	No
		11	2462	12.07	13.00	No
	802.11n(HT20)	1	2412	12.00	13.00	No
		6	2437	12.33	13.00	No
		11	2462	12.17	13.00	No
	802.11n(HT40)	3	2422	12.00	13.00	No
		6	2432	12.36	13.00	No
		9	2452	12.28	13.00	No
	VHT(20 MHz)	1	2412	12.22	13.00	No
		6	2437	12.35	13.00	No
		11	2462	12.40	13.00	No
	VHT(40 MHz)	3	2422	12.02	13.00	No
		6	2432	12.39	13.00	No
		9	2452	12.22	13.00	No
	802.11ax(HE20)	1	2412	12.19	13.00	No
		6	2437	12.03	13.00	No
		11	2462	12.30	13.00	No
	802.11ax(HE40)	3	2422	12.06	13.00	No
		6	2432	12.31	13.00	No
		9	2452	12.39	13.00	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

Adjusted SAR = $0.083 * (19.95\text{mW}/19.95\text{mW}) = 0.083$ W/Kg, so 2.4G OFDM SAR test is not required.

9.7.19 2.4G WIFI-ANT8&2-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	20.27	21.50	Yes
		6	2437	20.32	21.50	Yes
		11	2462	20.30	21.50	Yes
	802.11g	1	2412	21.05	22.00	No
		6	2437	20.99	22.00	No
		11	2462	20.80	22.00	No
	802.11n(HT20)	1	2412	21.09	22.00	No
		6	2437	20.94	22.00	No
		11	2462	21.02	22.00	No
	802.11n(HT40)	3	2422	20.84	22.00	No
		6	2432	20.91	22.00	No
		9	2452	21.17	22.00	No
	VHT(20 MHz)	1	2412	20.97	22.00	No
		6	2437	20.99	22.00	No
		11	2462	20.90	22.00	No
	VHT(40 MHz)	3	2422	21.11	22.00	No
		6	2432	20.90	22.00	No
		9	2452	21.09	22.00	No
	802.11ax(HE20)	1	2412	20.97	22.00	No
		6	2437	21.13	22.00	No
		11	2462	21.12	22.00	No
802.11ax(HE40)	3	2422	20.94	22.00	No	
	6	2432	21.12	22.00	No	
	9	2452	20.88	22.00	No	

Note: For WiFi SAR testing was performed on single antenna RF power in SISO mode that is larger to the single antenna RF power in MIMO mode, and for RF exposure assessment of MIMO mode simultaneous transmission used more conservative "Max. (main ant) + Max. (aux. ant) " method to determine SAR compliance. When the sum of 1-g SISO transmission SAR measurement is <1.6 W/kg, MIMO SAR test is not required.

9.7.20 2.4G WIFI-ANT8&2-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	19.71	20.00	Yes
		6	2437	19.86	20.00	Yes
		11	2462	19.55	20.00	Yes
	802.11g	1	2412	18.83	20.00	No
		6	2437	19.17	20.00	No
		11	2462	19.00	20.00	No
	802.11n(HT20)	1	2412	19.06	20.00	No
		6	2437	18.88	20.00	No
		11	2462	19.07	20.00	No
	802.11n(HT40)	3	2422	19.07	20.00	No
		6	2432	18.89	20.00	No
		9	2452	18.98	20.00	No
	VHT(20 MHz)	1	2412	18.96	20.00	No
		6	2437	19.14	20.00	No
		11	2462	19.14	20.00	No
	VHT(40 MHz)	3	2422	19.13	20.00	No
		6	2432	19.14	20.00	No
		9	2452	19.16	20.00	No
	802.11ax(HE20)	1	2412	19.03	20.00	No
		6	2437	19.18	20.00	No
		11	2462	18.91	20.00	No
	802.11ax(HE40)	3	2422	18.89	20.00	No
		6	2432	19.11	20.00	No
		9	2452	19.14	20.00	No

Note: For WiFi SAR testing was performed on single antenna RF power in SISO mode that is larger to the single antenna RF power in MIMO mode, and for RF exposure assessment of MIMO mode simultaneous transmission used more conservative "Max. (main ant) + Max. (aux. ant) " method to determine SAR compliance. When the sum of 1-g SISO transmission SAR measurement is <1.6 W/kg, MIMO SAR test is not required.

9.7.21 2.4G WIFI-ANT8&2-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	19.71	20.00	Yes
		6	2437	19.86	20.00	Yes
		11	2462	19.55	20.00	Yes
	802.11g	1	2412	18.83	20.00	No
		6	2437	19.17	20.00	No
		11	2462	19.00	20.00	No
	802.11n(HT20)	1	2412	19.06	20.00	No
		6	2437	18.88	20.00	No
		11	2462	19.07	20.00	No
	802.11n(HT40)	3	2422	19.07	20.00	No
		6	2432	18.89	20.00	No
		9	2452	18.98	20.00	No
	VHT(20 MHz)	1	2412	18.96	20.00	No
		6	2437	19.14	20.00	No
		11	2462	19.14	20.00	No
	VHT(40 MHz)	3	2422	19.13	20.00	No
		6	2432	19.14	20.00	No
		9	2452	19.16	20.00	No
	802.11ax(HE20)	1	2412	19.03	20.00	No
		6	2437	19.18	20.00	No
		11	2462	18.91	20.00	No
	802.11ax(HE40)	3	2422	18.89	20.00	No
		6	2432	19.11	20.00	No
		9	2452	19.14	20.00	No

Note: For WiFi SAR testing was performed on single antenna RF power in SISO mode that is larger to the single antenna RF power in MIMO mode, and for RF exposure assessment of MIMO mode simultaneous transmission used more conservative "Max. (main ant) + Max. (aux. ant) " method to determine SAR compliance. When the sum of 1-g SISO transmission SAR measurement is <1.6 W/kg, MIMO SAR test is not required.

9.7.22 2.4G WIFI-ANT8&2-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.86	19.00	Yes
		6	2437	18.31	19.00	Yes
		11	2462	18.87	19.00	Yes
	802.11g	1	2412	18.37	19.00	No
		6	2437	18.29	19.00	No
		11	2462	18.22	19.00	No
	802.11n(HT20)	1	2412	18.14	19.00	No
		6	2437	18.21	19.00	No
		11	2462	18.00	19.00	No
	802.11n(HT40)	3	2422	18.00	19.00	No
		6	2432	18.09	19.00	No
		9	2452	18.27	19.00	No
	VHT(20 MHz)	1	2412	18.26	19.00	No
		6	2437	18.23	19.00	No
		11	2462	18.27	19.00	No
	VHT(40 MHz)	3	2422	18.28	19.00	No
		6	2432	18.22	19.00	No
		9	2452	18.32	19.00	No
	802.11ax(HE20)	1	2412	18.38	19.00	No
		6	2437	18.40	19.00	No
		11	2462	18.31	19.00	No
	802.11ax(HE40)	3	2422	18.20	19.00	No
		6	2432	18.38	19.00	No
		9	2452	18.21	19.00	No

Note: For WiFi SAR testing was performed on single antenna RF power in SISO mode that is larger to the single antenna RF power in MIMO mode, and for RF exposure assessment of MIMO mode simultaneous transmission used more conservative "Max. (main ant) + Max. (aux. ant) " method to determine SAR compliance. When the sum of 1-g SISO transmission SAR measurement is <1.6 W/kg, MIMO SAR test is not required.

9.7.23 2.4G WIFI-ANT8&2-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.21	17.50	Yes
		6	2437	17.39	17.50	Yes
		11	2462	17.39	17.50	Yes
	802.11g	1	2412	16.97	17.50	No
		6	2437	17.06	17.50	No
		11	2462	16.85	17.50	No
	802.11n(HT20)	1	2412	17.04	17.50	No
		6	2437	17.10	17.50	No
		11	2462	17.15	17.50	No
	802.11n(HT40)	3	2422	17.05	17.50	No
		6	2432	16.86	17.50	No
		9	2452	17.11	17.50	No
	VHT(20 MHz)	1	2412	16.96	17.50	No
		6	2437	16.94	17.50	No
		11	2462	17.18	17.50	No
	VHT(40 MHz)	3	2422	16.87	17.50	No
		6	2432	17.07	17.50	No
		9	2452	17.18	17.50	No
	802.11ax(HE20)	1	2412	16.87	17.50	No
		6	2437	17.04	17.50	No
		11	2462	17.04	17.50	No
802.11ax(HE40)	3	2422	16.82	17.50	No	
	6	2432	17.04	17.50	No	
	9	2452	17.04	17.50	No	

Note: For WiFi SAR testing was performed on single antenna RF power in SISO mode that is larger to the single antenna RF power in MIMO mode, and for RF exposure assessment of MIMO mode simultaneous transmission used more conservative "Max. (main ant) + Max. (aux. ant) " method to determine SAR compliance. When the sum of 1-g SISO transmission SAR measurement is <1.6 W/kg, MIMO SAR test is not required.

9.7.24 2.4G WIFI-ANT8&2-Level5

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	20.27	21.50	Yes
		6	2437	20.32	21.50	Yes
		11	2462	20.30	21.50	Yes
	802.11g	1	2412	21.05	22.00	No
		6	2437	20.99	22.00	No
		11	2462	20.80	22.00	No
	802.11n(HT20)	1	2412	21.09	22.00	No
		6	2437	20.94	22.00	No
		11	2462	21.02	22.00	No
	802.11n(HT40)	3	2422	20.84	22.00	No
		6	2432	20.91	22.00	No
		9	2452	21.17	22.00	No
	VHT(20 MHz)	1	2412	20.97	22.00	No
		6	2437	20.99	22.00	No
		11	2462	20.90	22.00	No
	VHT(40 MHz)	3	2422	21.11	22.00	No
		6	2432	20.90	22.00	No
		9	2452	21.09	22.00	No
	802.11ax(HE20)	1	2412	20.97	22.00	No
		6	2437	21.13	22.00	No
		11	2462	21.12	22.00	No
	802.11ax(HE40)	3	2422	20.94	22.00	No
		6	2432	21.12	22.00	No
		9	2452	20.88	22.00	No

Note: For WiFi SAR testing was performed on single antenna RF power in SISO mode that is larger to the single antenna RF power in MIMO mode, and for RF exposure assessment of MIMO mode simultaneous transmission used more conservative "Max. (main ant) + Max. (aux. ant) " method to determine SAR compliance. When the sum of 1-g SISO transmission SAR measurement is <1.6 W/kg, MIMO SAR test is not required.

9.7.25 2.4G WIFI-ANT8&2-Level6

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	20.27	21.50	Yes
		6	2437	20.32	21.50	Yes
		11	2462	20.30	21.50	Yes
	802.11g	1	2412	21.05	22.00	No
		6	2437	20.99	22.00	No
		11	2462	20.80	22.00	No
	802.11n(HT20)	1	2412	21.09	22.00	No
		6	2437	20.94	22.00	No
		11	2462	21.02	22.00	No
	802.11n(HT40)	3	2422	20.84	22.00	No
		6	2432	20.91	22.00	No
		9	2452	21.17	22.00	No
	VHT(20 MHz)	1	2412	20.97	22.00	No
		6	2437	20.99	22.00	No
		11	2462	20.90	22.00	No
	VHT(40 MHz)	3	2422	21.11	22.00	No
		6	2432	20.90	22.00	No
		9	2452	21.09	22.00	No
	802.11ax(HE20)	1	2412	20.97	22.00	No
		6	2437	21.13	22.00	No
		11	2462	21.12	22.00	No
802.11ax(HE40)	3	2422	20.94	22.00	No	
	6	2432	21.12	22.00	No	
	9	2452	20.88	22.00	No	

Note: For WiFi SAR testing was performed on single antenna RF power in SISO mode that is larger to the single antenna RF power in MIMO mode, and for RF exposure assessment of MIMO mode simultaneous transmission used more conservative "Max. (main ant) + Max. (aux. ant) " method to determine SAR compliance. When the sum of 1-g SISO transmission SAR measurement is <1.6 W/kg, MIMO SAR test is not required.

9.7.26 2.4G WIFI-ANT8&2-Level7

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.80	19.00	Yes
		6	2437	18.49	19.00	Yes
		11	2462	18.93	19.00	Yes
	802.11g	1	2412	18.34	19.00	No
		6	2437	18.48	19.00	No
		11	2462	18.44	19.00	No
	802.11n(HT20)	1	2412	18.59	19.00	No
		6	2437	18.35	19.00	No
		11	2462	18.48	19.00	No
	802.11n(HT40)	3	2422	18.57	19.00	No
		6	2432	18.55	19.00	No
		9	2452	18.42	19.00	No
	VHT(20 MHz)	1	2412	18.42	19.00	No
		6	2437	18.45	19.00	No
		11	2462	18.69	19.00	No
	VHT(40 MHz)	3	2422	18.33	19.00	No
		6	2432	18.55	19.00	No
		9	2452	18.44	19.00	No
	802.11ax(HE20)	1	2412	18.57	19.00	No
		6	2437	18.46	19.00	No
		11	2462	18.64	19.00	No
	802.11ax(HE40)	3	2422	18.32	19.00	No
		6	2432	18.35	19.00	No
		9	2452	18.38	19.00	No

Note: For WiFi SAR testing was performed on single antenna RF power in SISO mode that is larger to the single antenna RF power in MIMO mode, and for RF exposure assessment of MIMO mode simultaneous transmission used more conservative "Max. (main ant) + Max. (aux. ant) " method to determine SAR compliance. When the sum of 1-g SISO transmission SAR measurement is <1.6 W/kg, MIMO SAR test is not required.

9.7.27 2.4G WIFI-ANT8&2-Level8

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.52	16.00	Yes
		6	2437	15.45	16.00	Yes
		11	2462	15.61	16.00	Yes
	802.11g	1	2412	15.46	16.00	No
		6	2437	15.32	16.00	No
		11	2462	15.41	16.00	No
	802.11n(HT20)	1	2412	15.48	16.00	No
		6	2437	15.60	16.00	No
		11	2462	15.45	16.00	No
	802.11n(HT40)	3	2422	15.64	16.00	No
		6	2432	15.49	16.00	No
		9	2452	15.59	16.00	No
	VHT(20 MHz)	1	2412	15.42	16.00	No
		6	2437	15.32	16.00	No
		11	2462	15.70	16.00	No
	VHT(40 MHz)	3	2422	15.53	16.00	No
		6	2432	15.39	16.00	No
		9	2452	15.39	16.00	No
	802.11ax(HE20)	1	2412	15.51	16.00	No
		6	2437	15.45	16.00	No
		11	2462	15.48	16.00	No
	802.11ax(HE40)	3	2422	15.69	16.00	No
		6	2432	15.61	16.00	No
		9	2452	15.61	16.00	No

Note: For WiFi SAR testing was performed on single antenna RF power in SISO mode that is larger to the single antenna RF power in MIMO mode, and for RF exposure assessment of MIMO mode simultaneous transmission used more conservative "Max. (main ant) + Max. (aux. ant) " method to determine SAR compliance. When the sum of 1-g SISO transmission SAR measurement is <1.6 W/kg, MIMO SAR test is not required.

9.7.28 5G WIFI-ANT2-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.98	15.00	No
		40	5200	17.62	19.00	No
		48	5240	17.65	19.00	No
	802.11n(HT20)	36	5180	13.88	15.00	No
		44	5220	17.55	19.00	No
		48	5240	17.51	19.00	No
	802.11n(HT40)	38	5190	9.92	11.00	No
		46	5230	17.57	19.00	No
	802.11ac(VHT20)	36	5180	11.89	13.00	No
		40	5200	17.52	19.00	No
		48	5240	17.51	19.00	No
	802.11ac(VHT40)	38	5190	9.91	11.00	No
		46	5230	17.66	19.00	No
	802.11ac(VHT80)	42	5210	9.30	11.00	No
	802.11ax(HE20)	36	5180	15.16	16.00	Yes
		40	5200	17.79	19.00	Yes
48		5240	17.74	19.00	Yes	
802.11ax(HE40)	38	5190	14.16	15.00	No	
	46	5230	17.91	19.00	No	
802.11ax(HE80)	42	5210	11.55	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	17.61	19.00	Yes
		60	5300	17.58	19.00	Yes
		64	5320	10.67	12.00	Yes
	802.11n(HT20)	52	5260	17.55	19.00	No
		60	5300	17.52	19.00	No
		64	5320	10.54	12.00	No
	802.11n(HT40)	54	5270	17.47	19.00	No
		62	5310	8.63	10.00	No
	802.11ac(VHT20)	52	5260	17.54	19.00	No
		60	5300	17.51	19.00	No
		64	5320	10.54	12.00	No
	802.11ac(VHT40)	54	5270	17.69	19.00	No
		62	5310	8.62	10.00	No
	802.11ac(VHT80)	58	5290	8.27	10.00	No
	802.11ax(HE20)	52	5260	17.69	19.00	No
		60	5300	17.64	19.00	No
		64	5320	10.67	12.00	No
	802.11ax(HE40)	54	5270	17.79	19.00	No
62		5310	9.74	11.00	No	
802.11ax(HE80)	58	5290	9.93	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.32	12.00	Yes
		116	5580	17.44	19.00	Yes
		140	5700	10.51	12.00	Yes
	802.11n(HT20)	100	5500	10.20	12.00	No
		116	5580	17.32	19.00	No
		140	5700	10.39	12.00	No
	802.11n(HT40)	102	5510	6.58	8.00	No
		118	5590	17.66	19.00	No
		134	5670	6.48	8.00	No
	802.11ac(VHT20)	100	5500	10.20	12.00	No
		116	5580	17.35	19.00	No
		140	5700	10.32	12.00	No
	802.11ac(VHT40)	102	5510	6.63	8.00	No
		118	5590	17.66	19.00	No
		134	5670	6.48	8.00	No
	802.11ac(VHT80)	106	5530	8.02	10.00	No
		122	5610	17.08	19.00	No
	802.11ax(HE20)	100	5500	10.30	12.00	No
		116	5580	17.50	19.00	No
		140	5700	10.52	12.00	No
	802.11ax(HE40)	102	5510	6.82	8.00	No
118		5590	17.87	19.00	No	
134		5670	6.67	8.00	No	
802.11ax(HE80)	106	5530	8.13	10.00	No	
	122	5610	17.33	19.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	17.52	19.00	No
		157	5785	17.43	19.00	No
		165	5825	17.52	19.00	No
	802.11n(HT20)	149	5745	17.40	19.00	No
		157	5785	17.31	19.00	No
		165	5825	17.38	19.00	No
	802.11n(HT40)	151	5755	17.49	19.00	No
		159	5795	17.49	19.00	No
	802.11ac(VHT20)	149	5745	17.42	19.00	No
		157	5785	17.31	19.00	No
		165	5825	17.36	19.00	No
	802.11ac(VHT40)	151	5755	17.50	19.00	No
		159	5795	17.46	19.00	No
	802.11ac(VHT80)	155	5775	17.04	19.00	Yes
	802.11ax(HE20)	149	5745	17.68	19.00	No
		157	5785	17.67	19.00	No
		165	5825	17.71	19.00	No
	802.11ax(HE40)	151	5755	17.76	19.00	No

		159	5795	17.70	19.00	No
	802.11ax(HE80)	155	5775	17.35	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.

9.7.29 5G WIFI-ANT2-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.98	15.00	No
		40	5200	17.62	19.00	No
		48	5240	17.65	19.00	No
	802.11n(HT20)	36	5180	13.88	15.00	No
		44	5220	17.55	19.00	No
		48	5240	17.51	19.00	No
	802.11n(HT40)	38	5190	9.92	11.00	No
		46	5230	17.57	19.00	No
	802.11ac(VHT20)	36	5180	11.89	13.00	No
		40	5200	17.52	19.00	No
		48	5240	17.51	19.00	No
	802.11ac(VHT40)	38	5190	9.91	11.00	No
		46	5230	17.66	19.00	No
	802.11ac(VHT80)	42	5210	9.30	11.00	No
	802.11ax(HE20)	36	5180	15.16	16.00	No
40		5200	17.79	19.00	No	
48		5240	17.74	19.00	No	
802.11ax(HE40)	38	5190	14.16	15.00	No	
	46	5230	17.91	19.00	No	
802.11ax(HE80)	42	5210	11.55	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	17.61	19.00	No
		60	5300	17.58	19.00	No
		64	5320	10.67	12.00	No
	802.11n(HT20)	52	5260	17.55	19.00	No
		60	5300	17.52	19.00	No
		64	5320	10.54	12.00	No
	802.11n(HT40)	54	5270	17.47	19.00	Yes
		62	5310	8.63	10.00	Yes
	802.11ac(VHT20)	52	5260	17.54	19.00	No
		60	5300	17.51	19.00	No
		64	5320	10.54	12.00	No
	802.11ac(VHT40)	54	5270	17.69	19.00	No
		62	5310	8.62	10.00	No
	802.11ac(VHT80)	58	5290	8.27	10.00	No
	802.11ax(HE20)	52	5260	17.69	19.00	No
		60	5300	17.64	19.00	No
		64	5320	10.67	12.00	No
	802.11ax(HE40)	54	5270	17.79	19.00	No
62		5310	9.74	11.00	No	
802.11ax(HE80)	58	5290	9.93	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.32	12.00	No
		116	5580	17.44	19.00	No
		140	5700	10.51	12.00	No
	802.11n(HT20)	100	5500	10.20	12.00	No
		116	5580	17.32	19.00	No
		140	5700	10.39	12.00	No
	802.11n(HT40)	102	5510	6.58	8.00	No
		118	5590	17.66	19.00	No
		134	5670	6.48	8.00	No
	802.11ac(VHT20)	100	5500	10.20	12.00	No
		116	5580	17.35	19.00	No
		140	5700	10.32	12.00	No
	802.11ac(VHT40)	102	5510	6.63	8.00	No
		118	5590	17.66	19.00	No
		134	5670	6.48	8.00	No
	802.11ac(VHT80)	106	5530	8.02	10.00	Yes
		122	5610	17.08	19.00	Yes
	802.11ax(HE20)	100	5500	10.30	12.00	No
		116	5580	17.50	19.00	No
		140	5700	10.52	12.00	No
	802.11ax(HE40)	102	5510	6.82	8.00	No
118		5590	17.87	19.00	No	
134		5670	6.67	8.00	No	
802.11ax(HE80)	106	5530	8.13	10.00	No	
	122	5610	17.33	19.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	17.52	19.00	No
		157	5785	17.43	19.00	No
		165	5825	17.52	19.00	No
	802.11n(HT20)	149	5745	17.40	19.00	No
		157	5785	17.31	19.00	No
		165	5825	17.38	19.00	No
	802.11n(HT40)	151	5755	17.49	19.00	No
		159	5795	17.49	19.00	No
	802.11ac(VHT20)	149	5745	17.42	19.00	No
		157	5785	17.31	19.00	No
		165	5825	17.36	19.00	No
	802.11ac(VHT40)	151	5755	17.50	19.00	No
		159	5795	17.46	19.00	No
	802.11ac(VHT80)	155	5775	17.04	19.00	Yes
	802.11ax(HE20)	149	5745	17.68	19.00	No
		157	5785	17.67	19.00	No
		165	5825	17.71	19.00	No
	802.11ax(HE40)	151	5755	17.76	19.00	No

		159	5795	17.70	19.00	No
	802.11ax(HE80)	155	5775	17.35	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.

9.7.30 5G WIFI-ANT2-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.98	15.00	No
		40	5200	17.62	19.00	No
		48	5240	17.65	19.00	No
	802.11n(HT20)	36	5180	13.88	15.00	No
		44	5220	17.55	19.00	No
		48	5240	17.51	19.00	No
	802.11n(HT40)	38	5190	9.92	11.00	No
		46	5230	17.57	19.00	No
	802.11ac(VHT20)	36	5180	11.89	13.00	No
		40	5200	17.52	19.00	No
		48	5240	17.51	19.00	No
	802.11ac(VHT40)	38	5190	9.91	11.00	No
		46	5230	17.66	19.00	No
	802.11ac(VHT80)	42	5210	9.30	11.00	No
	802.11ax(HE20)	36	5180	15.16	16.00	No
		40	5200	17.79	19.00	No
		48	5240	17.74	19.00	No
	802.11ax(HE40)	38	5190	14.16	15.00	No
46		5230	17.91	19.00	No	
802.11ax(HE80)	42	5210	11.55	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	17.61	19.00	No
		60	5300	17.58	19.00	No
		64	5320	10.67	12.00	No
	802.11n(HT20)	52	5260	17.55	19.00	No
		60	5300	17.52	19.00	No
		64	5320	10.54	12.00	No
	802.11n(HT40)	54	5270	17.47	19.00	Yes
		62	5310	8.63	10.00	Yes
	802.11ac(VHT20)	52	5260	17.54	19.00	No
		60	5300	17.51	19.00	No
		64	5320	10.54	12.00	No
	802.11ac(VHT40)	54	5270	17.69	19.00	No
		62	5310	8.62	10.00	No
	802.11ac(VHT80)	58	5290	8.27	10.00	No
	802.11ax(HE20)	52	5260	17.69	19.00	No
		60	5300	17.64	19.00	No
		64	5320	10.67	12.00	No
	802.11ax(HE40)	54	5270	17.79	19.00	No
62		5310	9.74	11.00	No	
802.11ax(HE80)	58	5290	9.93	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.32	12.00	No
		116	5580	17.44	19.00	No
		140	5700	10.51	12.00	No
	802.11n(HT20)	100	5500	10.20	12.00	No
		116	5580	17.32	19.00	No
		140	5700	10.39	12.00	No
	802.11n(HT40)	102	5510	6.58	8.00	No
		118	5590	17.66	19.00	No
		134	5670	6.48	8.00	No
	802.11ac(VHT20)	100	5500	10.20	12.00	No
		116	5580	17.35	19.00	No
		140	5700	10.32	12.00	No
	802.11ac(VHT40)	102	5510	6.63	8.00	No
		118	5590	17.66	19.00	No
		134	5670	6.48	8.00	No
	802.11ac(VHT80)	106	5530	8.02	10.00	Yes
		122	5610	17.08	19.00	Yes
	802.11ax(HE20)	100	5500	10.30	12.00	No
		116	5580	17.50	19.00	No
		140	5700	10.52	12.00	No
	802.11ax(HE40)	102	5510	6.82	8.00	No
118		5590	17.87	19.00	No	
134		5670	6.67	8.00	No	
802.11ax(HE80)	106	5530	8.13	10.00	No	
	122	5610	17.33	19.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	17.52	19.00	No
		157	5785	17.43	19.00	No
		165	5825	17.52	19.00	No
	802.11n(HT20)	149	5745	17.40	19.00	No
		157	5785	17.31	19.00	No
		165	5825	17.38	19.00	No
	802.11n(HT40)	151	5755	17.49	19.00	No
		159	5795	17.49	19.00	No
	802.11ac(VHT20)	149	5745	17.42	19.00	No
		157	5785	17.31	19.00	No
		165	5825	17.36	19.00	No
	802.11ac(VHT40)	151	5755	17.50	19.00	No
		159	5795	17.46	19.00	No
	802.11ac(VHT80)	155	5775	17.04	19.00	Yes
	802.11ax(HE20)	149	5745	17.68	19.00	No
		157	5785	17.67	19.00	No
		165	5825	17.71	19.00	No
	802.11ax(HE40)	151	5755	17.76	19.00	No

		159	5795	17.70	19.00	No
	802.11ax(HE80)	155	5775	17.35	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.

9.7.31 5G WIFI-ANT2-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.98	15.00	No
		40	5200	17.62	19.00	No
		48	5240	17.65	19.00	No
	802.11n(HT20)	36	5180	13.88	15.00	No
		44	5220	17.55	19.00	No
		48	5240	17.51	19.00	No
	802.11n(HT40)	38	5190	9.92	11.00	No
		46	5230	17.57	19.00	No
	802.11ac(VHT20)	36	5180	11.89	13.00	No
		40	5200	17.52	19.00	No
		48	5240	17.51	19.00	No
	802.11ac(VHT40)	38	5190	9.91	11.00	No
		46	5230	17.66	19.00	No
	802.11ac(VHT80)	42	5210	9.30	11.00	No
	802.11ax(HE20)	36	5180	15.16	16.00	No
		40	5200	17.79	19.00	No
48		5240	17.74	19.00	No	
802.11ax(HE40)	38	5190	14.16	15.00	No	
	46	5230	17.91	19.00	No	
802.11ax(HE80)	42	5210	11.55	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	17.61	19.00	No
		60	5300	17.58	19.00	No
		64	5320	10.67	12.00	No
	802.11n(HT20)	52	5260	17.55	19.00	No
		60	5300	17.52	19.00	No
		64	5320	10.54	12.00	No
	802.11n(HT40)	54	5270	17.47	19.00	Yes
		62	5310	8.63	10.00	Yes
	802.11ac(VHT20)	52	5260	17.54	19.00	No
		60	5300	17.51	19.00	No
		64	5320	10.54	12.00	No
	802.11ac(VHT40)	54	5270	17.69	19.00	No
		62	5310	8.62	10.00	No
	802.11ac(VHT80)	58	5290	8.27	10.00	No
	802.11ax(HE20)	52	5260	17.69	19.00	No
		60	5300	17.64	19.00	No
		64	5320	10.67	12.00	No
	802.11ax(HE40)	54	5270	17.79	19.00	No
62		5310	9.74	11.00	No	
802.11ax(HE80)	58	5290	9.93	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.32	12.00	No
		116	5580	17.18	18.00	No
		140	5700	10.51	12.00	No
	802.11n(HT20)	100	5500	10.20	12.00	No
		116	5580	17.02	18.00	No
		140	5700	10.39	12.00	No
	802.11n(HT40)	102	5510	6.58	8.00	No
		118	5590	17.02	18.00	No
		134	5670	6.48	8.00	No
	802.11ac(VHT20)	100	5500	10.20	12.00	No
		116	5580	17.37	18.00	No
		140	5700	10.32	12.00	No
	802.11ac(VHT40)	102	5510	6.63	8.00	No
		118	5590	17.17	18.00	No
		134	5670	6.48	8.00	No
	802.11ac(VHT80)	106	5530	8.02	10.00	Yes
		122	5610	17.39	18.00	Yes
	802.11ax(HE20)	100	5500	10.30	12.00	No
		116	5580	17.31	18.00	No
		140	5700	10.52	12.00	No
	802.11ax(HE40)	102	5510	6.82	8.00	No
118		5590	17.35	18.00	No	
134		5670	6.67	8.00	No	
802.11ax(HE80)	106	5530	8.13	10.00	No	
	122	5610	17.08	18.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	17.61	18.00	No
		157	5785	17.42	18.00	No
		165	5825	17.54	18.00	No
	802.11n(HT20)	149	5745	17.62	18.00	No
		157	5785	17.59	18.00	No
		165	5825	17.37	18.00	No
	802.11n(HT40)	151	5755	17.62	18.00	No
		159	5795	17.70	18.00	No
	802.11ac(VHT20)	149	5745	17.40	18.00	No
		157	5785	17.67	18.00	No
		165	5825	17.43	18.00	No
	802.11ac(VHT40)	151	5755	17.60	18.00	No
		159	5795	17.66	18.00	No
	802.11ac(VHT80)	155	5775	17.30	18.00	Yes
	802.11ax(HE20)	149	5745	17.50	18.00	No
		157	5785	17.45	18.00	No
		165	5825	17.58	18.00	No
	802.11ax(HE40)	151	5755	17.33	18.00	No

		159	5795	17.30	18.00	No
	802.11ax(HE80)	155	5775	17.44	18.00	No

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

9.7.32 5G WIFI-ANT2-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.27	14.50	No
		40	5200	14.30	14.50	No
		48	5240	14.32	14.50	No
	802.11n(HT20)	36	5180	13.62	14.50	No
		44	5220	13.86	14.50	No
		48	5240	13.75	14.50	No
	802.11n(HT40)	38	5190	10.80	11.00	Yes
		46	5230	13.57	14.50	Yes
	802.11ac(VHT20)	36	5180	12.64	13.00	No
		40	5200	13.66	14.50	No
		48	5240	13.71	14.50	No
	802.11ac(VHT40)	38	5190	10.68	11.00	No
		46	5230	13.50	14.50	No
	802.11ac(VHT80)	42	5210	10.63	11.00	No
	802.11ax(HE20)	36	5180	14.21	14.50	No
		40	5200	14.19	14.50	No
		48	5240	14.18	14.50	No
	802.11ax(HE40)	38	5190	13.60	14.50	No
46		5230	13.77	14.50	No	
802.11ax(HE80)	42	5210	12.58	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	13.66	14.50	No
		60	5300	13.88	14.50	No
		64	5320	10.67	12.00	No
	802.11n(HT20)	52	5260	13.79	14.50	No
		60	5300	13.70	14.50	No
		64	5320	10.54	12.00	No
	802.11n(HT40)	54	5270	13.56	14.50	Yes
		62	5310	8.63	10.00	Yes
	802.11ac(VHT20)	52	5260	13.64	14.50	No
		60	5300	13.54	14.50	No
		64	5320	10.54	12.00	No
	802.11ac(VHT40)	54	5270	13.64	14.50	No
		62	5310	8.62	10.00	No
	802.11ac(VHT80)	58	5290	8.27	10.00	No
	802.11ax(HE20)	52	5260	13.65	14.50	No
		60	5300	13.80	14.50	No
		64	5320	10.67	12.00	No
	802.11ax(HE40)	54	5270	13.73	14.50	No
62		5310	9.74	11.00	No	
802.11ax(HE80)	58	5290	9.93	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.32	12.00	No
		116	5580	12.58	13.50	No
		140	5700	10.51	12.00	No
	802.11n(HT20)	100	5500	10.20	12.00	No
		116	5580	12.55	13.50	No
		140	5700	10.39	12.00	No
	802.11n(HT40)	102	5510	6.58	8.00	No
		118	5590	12.89	13.50	No
		134	5670	6.48	8.00	No
	802.11ac(VHT20)	100	5500	10.20	12.00	No
		116	5580	12.83	13.50	No
		140	5700	10.32	12.00	No
	802.11ac(VHT40)	102	5510	6.63	8.00	No
		118	5590	12.52	13.50	No
		134	5670	6.48	8.00	No
	802.11ac(VHT80)	106	5530	8.02	10.00	Yes
		122	5610	12.83	13.50	Yes
	802.11ax(HE20)	100	5500	10.30	12.00	No
		116	5580	12.81	13.50	No
		140	5700	10.52	12.00	No
	802.11ax(HE40)	102	5510	6.82	8.00	No
118		5590	12.77	13.50	No	
134		5670	6.67	8.00	No	
802.11ax(HE80)	106	5530	8.13	10.00	No	
	122	5610	12.77	13.50	No	
5.8 (5.725~5.85)	802.11a	149	5745	13.34	14.00	No
		157	5785	13.13	14.00	No
		165	5825	13.26	14.00	No
	802.11n(HT20)	149	5745	13.05	14.00	No
		157	5785	13.38	14.00	No
		165	5825	13.23	14.00	No
	802.11n(HT40)	151	5755	13.07	14.00	No
		159	5795	13.12	14.00	No
	802.11ac(VHT20)	149	5745	13.39	14.00	No
		157	5785	13.22	14.00	No
		165	5825	13.00	14.00	No
	802.11ac(VHT40)	151	5755	13.28	14.00	No
		159	5795	13.10	14.00	No
	802.11ac(VHT80)	155	5775	13.82	14.00	Yes
	802.11ax(HE20)	149	5745	13.11	14.00	No
		157	5785	13.30	14.00	No
		165	5825	13.30	14.00	No
	802.11ax(HE40)	151	5755	13.36	14.00	No

		159	5795	13.34	14.00	No
	802.11ax(HE80)	155	5775	13.02	14.00	No

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

9.7.33 5G WIFI-ANT2-Level5

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.98	15.00	No
		40	5200	17.62	19.00	No
		48	5240	17.65	19.00	No
	802.11n(HT20)	36	5180	13.88	15.00	No
		44	5220	17.55	19.00	No
		48	5240	17.51	19.00	No
	802.11n(HT40)	38	5190	9.92	11.00	Yes
		46	5230	17.57	19.00	Yes
	802.11ac(VHT20)	36	5180	11.89	13.00	No
		40	5200	17.52	19.00	No
		48	5240	17.51	19.00	No
	802.11ac(VHT40)	38	5190	9.91	11.00	No
		46	5230	17.66	19.00	No
	802.11ac(VHT80)	42	5210	9.30	11.00	No
	802.11ax(HE20)	36	5180	15.16	16.00	No
		40	5200	17.79	19.00	No
		48	5240	17.74	19.00	No
	802.11ax(HE40)	38	5190	14.16	15.00	No
46		5230	17.91	19.00	No	
802.11ax(HE80)	42	5210	11.55	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	17.61	19.00	No
		60	5300	17.58	19.00	No
		64	5320	10.67	12.00	No
	802.11n(HT20)	52	5260	17.55	19.00	No
		60	5300	17.52	19.00	No
		64	5320	10.54	12.00	No
	802.11n(HT40)	54	5270	17.47	19.00	Yes
		62	5310	8.63	10.00	Yes
	802.11ac(VHT20)	52	5260	17.54	19.00	No
		60	5300	17.51	19.00	No
		64	5320	10.54	12.00	No
	802.11ac(VHT40)	54	5270	17.69	19.00	No
		62	5310	8.62	10.00	No
	802.11ac(VHT80)	58	5290	8.27	10.00	No
	802.11ax(HE20)	52	5260	17.69	19.00	No
		60	5300	17.64	19.00	No
		64	5320	10.67	12.00	No
	802.11ax(HE40)	54	5270	17.79	19.00	No
62		5310	9.74	11.00	No	
802.11ax(HE80)	58	5290	9.93	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.32	12.00	No
		116	5580	17.44	19.00	No
		140	5700	10.51	12.00	No
	802.11n(HT20)	100	5500	10.20	12.00	No
		116	5580	17.32	19.00	No
		140	5700	10.39	12.00	No
	802.11n(HT40)	102	5510	6.58	8.00	No
		118	5590	17.66	19.00	No
		134	5670	6.48	8.00	No
	802.11ac(VHT20)	100	5500	10.20	12.00	No
		116	5580	17.35	19.00	No
		140	5700	10.32	12.00	No
	802.11ac(VHT40)	102	5510	6.63	8.00	No
		118	5590	17.66	19.00	No
		134	5670	6.48	8.00	No
	802.11ac(VHT80)	106	5530	8.02	10.00	Yes
		122	5610	17.08	19.00	Yes
	802.11ax(HE20)	100	5500	10.30	12.00	No
		116	5580	17.50	19.00	No
		140	5700	10.52	12.00	No
	802.11ax(HE40)	102	5510	6.82	8.00	No
118		5590	17.87	19.00	No	
134		5670	6.67	8.00	No	
802.11ax(HE80)	106	5530	8.13	10.00	No	
	122	5610	17.33	19.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	17.52	19.00	No
		157	5785	17.43	19.00	No
		165	5825	17.52	19.00	No
	802.11n(HT20)	149	5745	17.40	19.00	No
		157	5785	17.31	19.00	No
		165	5825	17.38	19.00	No
	802.11n(HT40)	151	5755	17.49	19.00	No
		159	5795	17.49	19.00	No
	802.11ac(VHT20)	149	5745	17.42	19.00	No
		157	5785	17.31	19.00	No
		165	5825	17.36	19.00	No
	802.11ac(VHT40)	151	5755	17.50	19.00	No
		159	5795	17.46	19.00	No
	802.11ac(VHT80)	155	5775	17.04	19.00	Yes
	802.11ax(HE20)	149	5745	17.68	19.00	No
		157	5785	17.67	19.00	No
		165	5825	17.71	19.00	No
	802.11ax(HE40)	151	5755	17.76	19.00	No

		159	5795	17.70	19.00	No
	802.11ax(HE80)	155	5775	17.35	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.

9.7.34 5G WIFI-ANT2-Level6

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.98	15.00	No
		40	5200	14.32	15.00	No
		48	5240	14.06	15.00	No
	802.11n(HT20)	36	5180	13.88	15.00	No
		44	5220	14.29	15.00	No
		48	5240	14.20	15.00	No
	802.11n(HT40)	38	5190	9.92	11.00	Yes
		46	5230	14.30	15.00	Yes
	802.11ac(VHT20)	36	5180	11.89	13.00	No
		40	5200	14.30	15.00	No
		48	5240	14.00	15.00	No
	802.11ac(VHT40)	38	5190	9.91	11.00	No
		46	5230	14.34	15.00	No
	802.11ac(VHT80)	42	5210	9.30	11.00	No
	802.11ax(HE20)	36	5180	14.19	15.00	No
		40	5200	14.06	15.00	No
48		5240	14.00	15.00	No	
802.11ax(HE40)	38	5190	14.16	15.00	No	
	46	5230	14.24	15.00	No	
802.11ax(HE80)	42	5210	11.55	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	14.08	15.00	No
		60	5300	14.18	15.00	No
		64	5320	10.67	12.00	No
	802.11n(HT20)	52	5260	14.07	15.00	No
		60	5300	14.28	15.00	No
		64	5320	10.54	12.00	No
	802.11n(HT40)	54	5270	14.01	15.00	Yes
		62	5310	8.63	10.00	Yes
	802.11ac(VHT20)	52	5260	14.20	15.00	No
		60	5300	14.36	15.00	No
		64	5320	10.54	12.00	No
	802.11ac(VHT40)	54	5270	14.28	15.00	No
		62	5310	8.62	10.00	No
	802.11ac(VHT80)	58	5290	8.27	10.00	No
	802.11ax(HE20)	52	5260	14.16	15.00	No
		60	5300	14.10	15.00	No
64		5320	10.67	12.00	No	
802.11ax(HE40)	54	5270	14.26	15.00	No	
	62	5310	9.74	11.00	No	
802.11ax(HE80)	58	5290	9.93	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.32	12.00	No
		116	5580	15.89	16.50	No
		140	5700	10.51	12.00	No
	802.11n(HT20)	100	5500	10.20	12.00	No
		116	5580	15.75	16.50	No
		140	5700	10.39	12.00	No
	802.11n(HT40)	102	5510	6.58	8.00	No
		118	5590	15.80	16.50	No
		134	5670	6.48	8.00	No
	802.11ac(VHT20)	100	5500	10.20	12.00	No
		116	5580	15.69	16.50	No
		140	5700	10.32	12.00	No
	802.11ac(VHT40)	102	5510	6.63	8.00	No
		118	5590	15.62	16.50	No
		134	5670	6.48	8.00	No
	802.11ac(VHT80)	106	5530	8.02	10.00	Yes
		122	5610	15.69	16.50	Yes
	802.11ax(HE20)	100	5500	10.30	12.00	No
		116	5580	15.77	16.50	No
		140	5700	10.52	12.00	No
	802.11ax(HE40)	102	5510	6.82	8.00	No
118		5590	15.50	16.50	No	
134		5670	6.67	8.00	No	
802.11ax(HE80)	106	5530	8.13	10.00	No	
	122	5610	15.63	16.50	No	
5.8 (5.725~5.85)	802.11a	149	5745	15.11	16.00	No
		157	5785	15.04	16.00	No
		165	5825	15.39	16.00	No
	802.11n(HT20)	149	5745	15.01	16.00	No
		157	5785	15.29	16.00	No
		165	5825	15.13	16.00	No
	802.11n(HT40)	151	5755	15.30	16.00	No
		159	5795	15.12	16.00	No
	802.11ac(VHT20)	149	5745	15.40	16.00	No
		157	5785	15.18	16.00	No
		165	5825	15.05	16.00	No
	802.11ac(VHT40)	151	5755	15.23	16.00	No
		159	5795	15.30	16.00	No
	802.11ac(VHT80)	155	5775	15.84	16.00	Yes
	802.11ax(HE20)	149	5745	15.38	16.00	No
		157	5785	15.07	16.00	No
		165	5825	15.36	16.00	No
	802.11ax(HE40)	151	5755	15.40	16.00	No

		159	5795	15.21	16.00	No
	802.11ax(HE80)	155	5775	15.31	16.00	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.

9.7.35 5G WIFI-ANT2-Level7

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.98	15.00	No
		40	5200	14.32	15.00	No
		48	5240	14.06	15.00	No
	802.11n(HT20)	36	5180	13.88	15.00	No
		44	5220	14.29	15.00	No
		48	5240	14.20	15.00	No
	802.11n(HT40)	38	5190	9.92	11.00	Yes
		46	5230	14.30	15.00	Yes
	802.11ac(VHT20)	36	5180	11.89	13.00	No
		40	5200	14.30	15.00	No
		48	5240	14.00	15.00	No
	802.11ac(VHT40)	38	5190	9.91	11.00	No
		46	5230	14.34	15.00	No
	802.11ac(VHT80)	42	5210	9.30	11.00	No
	802.11ax(HE20)	36	5180	14.19	15.00	Yes
		40	5200	14.06	15.00	Yes
48		5240	14.00	15.00	Yes	
802.11ax(HE40)	38	5190	14.16	15.00	No	
	46	5230	14.24	15.00	No	
802.11ax(HE80)	42	5210	11.55	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	14.08	15.00	No
		60	5300	14.18	15.00	No
		64	5320	10.67	12.00	No
	802.11n(HT20)	52	5260	14.07	15.00	No
		60	5300	14.28	15.00	No
		64	5320	10.54	12.00	No
	802.11n(HT40)	54	5270	14.01	15.00	Yes
		62	5310	8.63	10.00	Yes
	802.11ac(VHT20)	52	5260	14.20	15.00	No
		60	5300	14.36	15.00	No
		64	5320	10.54	12.00	No
	802.11ac(VHT40)	54	5270	14.28	15.00	No
		62	5310	8.62	10.00	No
	802.11ac(VHT80)	58	5290	8.27	10.00	No
	802.11ax(HE20)	52	5260	14.16	15.00	No
		60	5300	14.10	15.00	No
64		5320	10.67	12.00	No	
802.11ax(HE40)	54	5270	14.26	15.00	No	
	62	5310	9.74	11.00	No	
802.11ax(HE80)	58	5290	9.93	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.32	12.00	No
		116	5580	15.89	16.50	No
		140	5700	10.51	12.00	No
	802.11n(HT20)	100	5500	10.20	12.00	No
		116	5580	15.75	16.50	No
		140	5700	10.39	12.00	No
	802.11n(HT40)	102	5510	6.58	8.00	No
		118	5590	15.80	16.50	No
		134	5670	6.48	8.00	No
	802.11ac(VHT20)	100	5500	10.20	12.00	No
		116	5580	15.69	16.50	No
		140	5700	10.32	12.00	No
	802.11ac(VHT40)	102	5510	6.63	8.00	No
		118	5590	15.62	16.50	No
		134	5670	6.48	8.00	No
	802.11ac(VHT80)	106	5530	8.02	10.00	Yes
		122	5610	15.69	16.50	Yes
	802.11ax(HE20)	100	5500	10.30	12.00	No
		116	5580	15.77	16.50	No
		140	5700	10.52	12.00	No
	802.11ax(HE40)	102	5510	6.82	8.00	No
118		5590	15.50	16.50	No	
134		5670	6.67	8.00	No	
802.11ax(HE80)	106	5530	8.13	10.00	No	
	122	5610	15.63	16.50	No	
5.8 (5.725~5.85)	802.11a	149	5745	15.11	16.00	No
		157	5785	15.04	16.00	No
		165	5825	15.39	16.00	No
	802.11n(HT20)	149	5745	15.01	16.00	No
		157	5785	15.29	16.00	No
		165	5825	15.13	16.00	No
	802.11n(HT40)	151	5755	15.30	16.00	No
		159	5795	15.12	16.00	No
	802.11ac(VHT20)	149	5745	15.40	16.00	No
		157	5785	15.18	16.00	No
		165	5825	15.05	16.00	No
	802.11ac(VHT40)	151	5755	15.23	16.00	No
		159	5795	15.30	16.00	No
	802.11ac(VHT80)	155	5775	15.84	16.00	Yes
	802.11ax(HE20)	149	5745	15.38	16.00	No
		157	5785	15.07	16.00	No
		165	5825	15.36	16.00	No
	802.11ax(HE40)	151	5755	15.40	16.00	No

		159	5795	15.21	16.00	No
	802.11ax(HE80)	155	5775	15.31	16.00	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.

9.7.36 5G WIFI-ANT2-Level8

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	11.73	12.00	No
		40	5200	11.74	12.00	No
		48	5240	11.82	12.00	No
	802.11n(HT20)	36	5180	11.29	12.00	No
		44	5220	11.21	12.00	No
		48	5240	11.01	12.00	No
	802.11n(HT40)	38	5190	10.80	11.00	Yes
		46	5230	10.80	12.00	Yes
	802.11ac(VHT20)	36	5180	11.07	12.00	No
		40	5200	11.33	12.00	No
		48	5240	11.06	12.00	No
	802.11ac(VHT40)	38	5190	10.68	11.00	No
		46	5230	10.74	12.00	No
	802.11ac(VHT80)	42	5210	10.63	11.00	No
	802.11ax(HE20)	36	5180	11.65	12.00	No
		40	5200	11.56	12.00	No
		48	5240	11.62	12.00	No
	802.11ax(HE40)	38	5190	11.07	12.00	No
46		5230	11.00	12.00	No	
802.11ax(HE80)	42	5210	11.23	12.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	11.75	12.00	No
		60	5300	11.70	12.00	No
		64	5320	11.76	12.00	No
	802.11n(HT20)	52	5260	11.59	12.00	No
		60	5300	11.61	12.00	No
		64	5320	11.64	12.00	No
	802.11n(HT40)	54	5270	11.13	12.00	Yes
		62	5310	9.75	10.00	Yes
	802.11ac(VHT20)	52	5260	11.61	12.00	No
		60	5300	11.59	12.00	No
		64	5320	11.57	12.00	No
	802.11ac(VHT40)	54	5270	11.27	12.00	No
		62	5310	9.57	10.00	No
	802.11ac(VHT80)	58	5290	9.65	10.00	No
	802.11ax(HE20)	52	5260	11.76	12.00	No
		60	5300	11.65	12.00	No
		64	5320	11.80	12.00	No
	802.11ax(HE40)	54	5270	10.76	12.00	No
62		5310	10.86	11.00	No	
802.11ax(HE80)	58	5290	11.01	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.32	12.00	Yes
		116	5580	13.04	14.00	Yes
		140	5700	10.51	12.00	Yes
	802.11n(HT20)	100	5500	10.20	12.00	No
		116	5580	13.06	14.00	No
		140	5700	10.39	12.00	No
	802.11n(HT40)	102	5510	6.58	8.00	No
		118	5590	13.31	14.00	No
		134	5670	6.48	8.00	No
	802.11ac(VHT20)	100	5500	10.20	12.00	No
		116	5580	13.22	14.00	No
		140	5700	10.32	12.00	No
	802.11ac(VHT40)	102	5510	6.63	8.00	No
		118	5590	13.32	14.00	No
		134	5670	6.48	8.00	No
	802.11ac(VHT80)	106	5530	8.02	10.00	No
		122	5610	13.40	14.00	No
	802.11ax(HE20)	100	5500	10.30	12.00	No
		116	5580	13.19	14.00	No
		140	5700	10.52	12.00	No
	802.11ax(HE40)	102	5510	6.82	8.00	No
118		5590	13.16	14.00	No	
134		5670	6.67	8.00	No	
802.11ax(HE80)	106	5530	8.13	10.00	No	
	122	5610	13.25	14.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	12.18	13.00	No
		157	5785	12.23	13.00	No
		165	5825	12.13	13.00	No
	802.11n(HT20)	149	5745	12.02	13.00	No
		157	5785	12.29	13.00	No
		165	5825	12.08	13.00	No
	802.11n(HT40)	151	5755	12.23	13.00	No
		159	5795	12.18	13.00	No
	802.11ac(VHT20)	149	5745	12.37	13.00	No
		157	5785	12.28	13.00	No
		165	5825	12.35	13.00	No
	802.11ac(VHT40)	151	5755	12.12	13.00	No
		159	5795	12.21	13.00	No
	802.11ac(VHT80)	155	5775	12.93	13.00	Yes
	802.11ax(HE20)	149	5745	12.12	13.00	No
		157	5785	12.18	13.00	No
		165	5825	12.40	13.00	No
	802.11ax(HE40)	151	5755	12.09	13.00	No

		159	5795	12.36	13.00	No
	802.11ax(HE80)	155	5775	12.26	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.

9.7.37 5G WIFI-ANT7-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.40	15.00	No
		40	5200	18.15	19.00	No
		48	5240	18.16	19.00	No
	802.11n(HT20)	36	5180	14.32	15.00	No
		44	5220	18.08	19.00	No
		48	5240	18.06	19.00	No
	802.11n(HT40)	38	5190	10.34	11.00	No
		46	5230	18.08	19.00	No
	802.11ac(VHT20)	36	5180	12.34	13.00	No
		40	5200	18.02	19.00	No
		48	5240	18.16	19.00	No
	802.11ac(VHT40)	38	5190	10.30	11.00	No
		46	5230	18.09	19.00	No
	802.11ac(VHT80)	42	5210	9.70	11.00	No
	802.11ax(HE20)	36	5180	15.57	16.00	No
		40	5200	18.33	19.00	No
48		5240	18.33	19.00	No	
802.11ax(HE40)	38	5190	14.61	15.00	No	
	46	5230	18.43	19.00	No	
802.11ax(HE80)	42	5210	11.99	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	18.03	19.00	No
		60	5300	18.02	19.00	No
		64	5320	10.83	12.00	No
	802.11n(HT20)	52	5260	17.75	19.00	No
		60	5300	17.72	19.00	No
		64	5320	10.69	12.00	No
	802.11n(HT40)	54	5270	17.78	19.00	Yes
		62	5310	8.67	10.00	Yes
	802.11ac(VHT20)	52	5260	17.75	19.00	No
		60	5300	17.73	19.00	No
		64	5320	10.71	12.00	No
	802.11ac(VHT40)	54	5270	17.76	19.00	No
		62	5310	8.67	10.00	No
	802.11ac(VHT80)	58	5290	8.34	10.00	No
	802.11ax(HE20)	52	5260	17.81	19.00	No
		60	5300	17.77	19.00	No
		64	5320	10.79	12.00	No
	802.11ax(HE40)	54	5270	17.85	19.00	No
62		5310	9.77	11.00	No	
802.11ax(HE80)	58	5290	10.02	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.74	12.00	No
		116	5580	17.89	19.00	No
		140	5700	11.28	12.00	No
	802.11n(HT20)	100	5500	10.61	12.00	No
		116	5580	17.75	19.00	No
		140	5700	11.12	12.00	No
	802.11n(HT40)	102	5510	6.93	8.00	No
		118	5590	17.99	19.00	No
		134	5670	7.18	8.00	No
	802.11ac(VHT20)	100	5500	10.62	12.00	No
		116	5580	17.76	19.00	No
		140	5700	11.13	12.00	No
	802.11ac(VHT40)	102	5510	6.91	8.00	No
		118	5590	17.99	19.00	No
		134	5670	6.97	8.00	No
	802.11ac(VHT80)	106	5530	8.19	10.00	Yes
		122	5610	17.38	19.00	Yes
	802.11ax(HE20)	100	5500	10.72	12.00	No
116		5580	17.86	19.00	No	
140		5700	11.25	12.00	No	
802.11ax(HE40)	102	5510	7.14	8.00	No	
	118	5590	18.20	19.00	No	
	134	5670	7.36	8.00	No	
802.11ax(HE80)	106	5530	8.53	10.00	No	
	122	5610	18.14	19.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	18.05	19.00	No
		157	5785	18.06	19.00	No
		165	5825	18.17	19.00	No
	802.11n(HT20)	149	5745	17.99	19.00	No
		157	5785	17.94	19.00	No
		165	5825	18.06	19.00	No
	802.11n(HT40)	151	5755	18.06	19.00	No
		159	5795	18.06	19.00	No
	802.11ac(VHT20)	149	5745	17.96	19.00	No
		157	5785	17.94	19.00	No
		165	5825	18.06	19.00	No
	802.11ac(VHT40)	151	5755	18.08	19.00	No
		159	5795	18.10	19.00	No
	802.11ac(VHT80)	155	5775	17.53	19.00	Yes
	802.11ax(HE20)	149	5745	18.34	19.00	No
		157	5785	18.34	19.00	No
		165	5825	18.43	19.00	No
	802.11ax(HE40)	151	5755	18.36	19.00	No

		159	5795	18.38	19.00	No
	802.11ax(HE80)	155	5775	17.97	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.

9.7.38 5G WIFI-ANT7-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.40	15.00	No
		40	5200	18.15	19.00	No
		48	5240	18.16	19.00	No
	802.11n(HT20)	36	5180	14.32	15.00	No
		44	5220	18.08	19.00	No
		48	5240	18.06	19.00	No
	802.11n(HT40)	38	5190	10.34	11.00	No
		46	5230	18.08	19.00	No
	802.11ac(VHT20)	36	5180	12.34	13.00	No
		40	5200	18.02	19.00	No
		48	5240	18.16	19.00	No
	802.11ac(VHT40)	38	5190	10.30	11.00	No
		46	5230	18.09	19.00	No
	802.11ac(VHT80)	42	5210	9.70	11.00	No
	802.11ax(HE20)	36	5180	15.57	16.00	No
		40	5200	18.33	19.00	No
48		5240	18.33	19.00	No	
802.11ax(HE40)	38	5190	14.61	15.00	No	
	46	5230	18.43	19.00	No	
802.11ax(HE80)	42	5210	11.99	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	18.03	19.00	No
		60	5300	18.02	19.00	No
		64	5320	10.83	12.00	No
	802.11n(HT20)	52	5260	17.75	19.00	No
		60	5300	17.72	19.00	No
		64	5320	10.69	12.00	No
	802.11n(HT40)	54	5270	17.78	19.00	Yes
		62	5310	8.67	10.00	Yes
	802.11ac(VHT20)	52	5260	17.75	19.00	No
		60	5300	17.73	19.00	No
		64	5320	10.71	12.00	No
	802.11ac(VHT40)	54	5270	17.76	19.00	No
		62	5310	8.67	10.00	No
	802.11ac(VHT80)	58	5290	8.34	10.00	No
	802.11ax(HE20)	52	5260	17.81	19.00	No
		60	5300	17.77	19.00	No
		64	5320	10.79	12.00	No
	802.11ax(HE40)	54	5270	17.85	19.00	No
62		5310	9.77	11.00	No	
802.11ax(HE80)	58	5290	10.02	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.74	12.00	No
		116	5580	17.89	19.00	No
		140	5700	11.28	12.00	No
	802.11n(HT20)	100	5500	10.61	12.00	No
		116	5580	17.75	19.00	No
		140	5700	11.12	12.00	No
	802.11n(HT40)	102	5510	6.93	8.00	No
		118	5590	17.99	19.00	No
		134	5670	7.18	8.00	No
	802.11ac(VHT20)	100	5500	10.62	12.00	No
		116	5580	17.76	19.00	No
		140	5700	11.13	12.00	No
	802.11ac(VHT40)	102	5510	6.91	8.00	No
		118	5590	17.99	19.00	No
		134	5670	6.97	8.00	No
	802.11ac(VHT80)	106	5530	8.19	10.00	Yes
		122	5610	17.38	19.00	Yes
	802.11ax(HE20)	100	5500	10.72	12.00	No
		116	5580	17.86	19.00	No
		140	5700	11.25	12.00	No
	802.11ax(HE40)	102	5510	7.14	8.00	No
118		5590	18.20	19.00	No	
134		5670	7.36	8.00	No	
802.11ax(HE80)	106	5530	8.53	10.00	No	
	122	5610	18.14	19.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	18.05	19.00	No
		157	5785	18.06	19.00	No
		165	5825	18.17	19.00	No
	802.11n(HT20)	149	5745	17.99	19.00	No
		157	5785	17.94	19.00	No
		165	5825	18.06	19.00	No
	802.11n(HT40)	151	5755	18.06	19.00	No
		159	5795	18.06	19.00	No
	802.11ac(VHT20)	149	5745	17.96	19.00	No
		157	5785	17.94	19.00	No
		165	5825	18.06	19.00	No
	802.11ac(VHT40)	151	5755	18.08	19.00	No
		159	5795	18.10	19.00	No
	802.11ac(VHT80)	155	5775	17.53	19.00	Yes
	802.11ax(HE20)	149	5745	18.34	19.00	No
		157	5785	18.34	19.00	No
		165	5825	18.43	19.00	No
	802.11ax(HE40)	151	5755	18.36	19.00	No

		159	5795	18.38	19.00	No
	802.11ax(HE80)	155	5775	17.97	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.

9.7.39 5G WIFI-ANT7-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.40	15.00	No
		40	5200	18.15	19.00	No
		48	5240	18.16	19.00	No
	802.11n(HT20)	36	5180	14.32	15.00	No
		44	5220	18.08	19.00	No
		48	5240	18.06	19.00	No
	802.11n(HT40)	38	5190	10.34	11.00	No
		46	5230	18.08	19.00	No
	802.11ac(VHT20)	36	5180	12.34	13.00	No
		40	5200	18.02	19.00	No
		48	5240	18.16	19.00	No
	802.11ac(VHT40)	38	5190	10.30	11.00	No
		46	5230	18.09	19.00	No
	802.11ac(VHT80)	42	5210	9.70	11.00	No
	802.11ax(HE20)	36	5180	15.57	16.00	No
		40	5200	18.33	19.00	No
48		5240	18.33	19.00	No	
802.11ax(HE40)	38	5190	14.61	15.00	No	
	46	5230	18.43	19.00	No	
802.11ax(HE80)	42	5210	11.99	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	18.03	19.00	No
		60	5300	18.02	19.00	No
		64	5320	10.83	12.00	No
	802.11n(HT20)	52	5260	17.75	19.00	No
		60	5300	17.72	19.00	No
		64	5320	10.69	12.00	No
	802.11n(HT40)	54	5270	17.78	19.00	Yes
		62	5310	8.67	10.00	Yes
	802.11ac(VHT20)	52	5260	17.75	19.00	No
		60	5300	17.73	19.00	No
		64	5320	10.71	12.00	No
	802.11ac(VHT40)	54	5270	17.76	19.00	No
		62	5310	8.67	10.00	No
	802.11ac(VHT80)	58	5290	8.34	10.00	No
	802.11ax(HE20)	52	5260	17.81	19.00	No
		60	5300	17.77	19.00	No
		64	5320	10.79	12.00	No
	802.11ax(HE40)	54	5270	17.85	19.00	No
62		5310	9.77	11.00	No	
802.11ax(HE80)	58	5290	10.02	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.74	12.00	No
		116	5580	17.18	18.00	No
		140	5700	11.28	12.00	No
	802.11n(HT20)	100	5500	10.61	12.00	No
		116	5580	17.09	18.00	No
		140	5700	11.12	12.00	No
	802.11n(HT40)	102	5510	6.93	8.00	No
		118	5590	17.38	18.00	No
		134	5670	7.18	8.00	No
	802.11ac(VHT20)	100	5500	10.62	12.00	No
		116	5580	17.06	18.00	No
		140	5700	11.13	12.00	No
	802.11ac(VHT40)	102	5510	6.91	8.00	No
		118	5590	17.37	18.00	No
		134	5670	6.97	8.00	No
	802.11ac(VHT80)	106	5530	8.19	10.00	Yes
		122	5610	17.00	18.00	Yes
	802.11ax(HE20)	100	5500	10.72	12.00	No
		116	5580	17.26	18.00	No
		140	5700	11.25	12.00	No
	802.11ax(HE40)	102	5510	7.14	8.00	No
118		5590	17.33	18.00	No	
134		5670	7.36	8.00	No	
802.11ax(HE80)	106	5530	8.53	10.00	No	
	122	5610	17.07	18.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	18.05	19.00	No
		157	5785	18.06	19.00	No
		165	5825	18.17	19.00	No
	802.11n(HT20)	149	5745	17.99	19.00	No
		157	5785	17.94	19.00	No
		165	5825	18.06	19.00	No
	802.11n(HT40)	151	5755	18.06	19.00	No
		159	5795	18.06	19.00	No
	802.11ac(VHT20)	149	5745	17.96	19.00	No
		157	5785	17.94	19.00	No
		165	5825	18.06	19.00	No
	802.11ac(VHT40)	151	5755	18.08	19.00	No
		159	5795	18.10	19.00	No
	802.11ac(VHT80)	155	5775	17.53	19.00	Yes
	802.11ax(HE20)	149	5745	18.34	19.00	No
		157	5785	18.34	19.00	No
		165	5825	18.43	19.00	No
	802.11ax(HE40)	151	5755	18.36	19.00	No

		159	5795	18.38	19.00	No
	802.11ax(HE80)	155	5775	17.97	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.

9.7.40 5G WIFI-ANT7-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.40	15.00	No
		40	5200	18.15	19.00	No
		48	5240	18.16	19.00	No
	802.11n(HT20)	36	5180	14.32	15.00	No
		44	5220	18.08	19.00	No
		48	5240	18.06	19.00	No
	802.11n(HT40)	38	5190	10.34	11.00	No
		46	5230	18.08	19.00	No
	802.11ac(VHT20)	36	5180	12.34	13.00	No
		40	5200	18.02	19.00	No
		48	5240	18.16	19.00	No
	802.11ac(VHT40)	38	5190	10.30	11.00	No
		46	5230	18.09	19.00	No
	802.11ac(VHT80)	42	5210	9.70	11.00	No
	802.11ax(HE20)	36	5180	15.57	16.00	No
		40	5200	18.33	19.00	No
48		5240	18.33	19.00	No	
802.11ax(HE40)	38	5190	14.61	15.00	No	
	46	5230	18.43	19.00	No	
802.11ax(HE80)	42	5210	11.99	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	18.03	19.00	No
		60	5300	18.02	19.00	No
		64	5320	10.83	12.00	No
	802.11n(HT20)	52	5260	17.75	19.00	No
		60	5300	17.72	19.00	No
		64	5320	10.69	12.00	No
	802.11n(HT40)	54	5270	17.78	19.00	Yes
		62	5310	8.67	10.00	Yes
	802.11ac(VHT20)	52	5260	17.75	19.00	No
		60	5300	17.73	19.00	No
		64	5320	10.71	12.00	No
	802.11ac(VHT40)	54	5270	17.76	19.00	No
		62	5310	8.67	10.00	No
	802.11ac(VHT80)	58	5290	8.34	10.00	No
	802.11ax(HE20)	52	5260	17.81	19.00	No
		60	5300	17.77	19.00	No
		64	5320	10.79	12.00	No
	802.11ax(HE40)	54	5270	17.85	19.00	No
62		5310	9.77	11.00	No	
802.11ax(HE80)	58	5290	10.02	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.74	12.00	No
		116	5580	17.18	18.00	No
		140	5700	11.28	12.00	No
	802.11n(HT20)	100	5500	10.61	12.00	No
		116	5580	17.09	18.00	No
		140	5700	11.12	12.00	No
	802.11n(HT40)	102	5510	6.93	8.00	No
		118	5590	17.38	18.00	No
		134	5670	7.18	8.00	No
	802.11ac(VHT20)	100	5500	10.62	12.00	No
		116	5580	17.06	18.00	No
		140	5700	11.13	12.00	No
	802.11ac(VHT40)	102	5510	6.91	8.00	No
		118	5590	17.37	18.00	No
		134	5670	6.97	8.00	No
	802.11ac(VHT80)	106	5530	8.19	10.00	Yes
		122	5610	17.00	18.00	Yes
	802.11ax(HE20)	100	5500	10.72	12.00	No
		116	5580	17.26	18.00	No
		140	5700	11.25	12.00	No
	802.11ax(HE40)	102	5510	7.14	8.00	No
118		5590	17.33	18.00	No	
134		5670	7.36	8.00	No	
802.11ax(HE80)	106	5530	8.53	10.00	No	
	122	5610	17.07	18.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	17.45	18.00	No
		157	5785	17.60	18.00	No
		165	5825	17.53	18.00	No
	802.11n(HT20)	149	5745	17.34	18.00	No
		157	5785	17.70	18.00	No
		165	5825	17.41	18.00	No
	802.11n(HT40)	151	5755	17.43	18.00	No
		159	5795	17.33	18.00	No
	802.11ac(VHT20)	149	5745	17.41	18.00	No
		157	5785	17.44	18.00	No
		165	5825	17.64	18.00	No
	802.11ac(VHT40)	151	5755	17.58	18.00	No
		159	5795	17.46	18.00	No
	802.11ac(VHT80)	155	5775	17.46	18.00	Yes
	802.11ax(HE20)	149	5745	17.66	18.00	No
		157	5785	17.46	18.00	No
		165	5825	17.54	18.00	No
	802.11ax(HE40)	151	5755	17.50	18.00	No

		159	5795	17.42	18.00	No
	802.11ax(HE80)	155	5775	17.45	18.00	No

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

9.7.41 5G WIFI-ANT7-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.57	14.50	No
		40	5200	13.52	14.50	No
		48	5240	13.62	14.50	No
	802.11n(HT20)	36	5180	13.54	14.50	No
		44	5220	13.62	14.50	No
		48	5240	13.85	14.50	No
	802.11n(HT40)	38	5190	10.34	11.00	No
		46	5230	13.56	14.50	No
	802.11ac(VHT20)	36	5180	12.34	13.00	No
		40	5200	13.89	14.50	No
		48	5240	13.65	14.50	No
	802.11ac(VHT40)	38	5190	10.30	11.00	No
		46	5230	13.74	14.50	No
	802.11ac(VHT80)	42	5210	9.70	11.00	No
	802.11ax(HE20)	36	5180	13.76	14.50	No
40		5200	13.79	14.50	No	
48		5240	13.83	14.50	No	
802.11ax(HE40)	38	5190	13.73	14.50	No	
	46	5230	13.59	14.50	No	
802.11ax(HE80)	42	5210	11.99	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	13.79	14.50	No
		60	5300	13.65	14.50	No
		64	5320	10.83	12.00	No
	802.11n(HT20)	52	5260	13.71	14.50	No
		60	5300	13.69	14.50	No
		64	5320	10.69	12.00	No
	802.11n(HT40)	54	5270	13.60	14.50	Yes
		62	5310	8.67	10.00	Yes
	802.11ac(VHT20)	52	5260	13.63	14.50	No
		60	5300	13.82	14.50	No
		64	5320	10.71	12.00	No
	802.11ac(VHT40)	54	5270	13.75	14.50	No
		62	5310	8.67	10.00	No
	802.11ac(VHT80)	58	5290	8.34	10.00	No
	802.11ax(HE20)	52	5260	13.77	14.50	No
		60	5300	13.73	14.50	No
		64	5320	10.79	12.00	No
	802.11ax(HE40)	54	5270	13.55	14.50	No
62		5310	9.77	11.00	No	
802.11ax(HE80)	58	5290	10.02	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.74	12.00	No
		116	5580	12.73	13.50	No
		140	5700	11.28	12.00	No
	802.11n(HT20)	100	5500	10.61	12.00	No
		116	5580	12.72	13.50	No
		140	5700	11.12	12.00	No
	802.11n(HT40)	102	5510	6.93	8.00	No
		118	5590	12.88	13.50	No
		134	5670	7.18	8.00	No
	802.11ac(VHT20)	100	5500	10.62	12.00	No
		116	5580	12.68	13.50	No
		140	5700	11.13	12.00	No
	802.11ac(VHT40)	102	5510	6.91	8.00	No
		118	5590	12.87	13.50	No
		134	5670	6.97	8.00	No
	802.11ac(VHT80)	106	5530	8.19	10.00	Yes
		122	5610	12.59	13.50	Yes
	802.11ax(HE20)	100	5500	10.72	12.00	No
		116	5580	12.74	13.50	No
		140	5700	11.25	12.00	No
	802.11ax(HE40)	102	5510	7.14	8.00	No
118		5590	12.50	13.50	No	
134		5670	7.36	8.00	No	
802.11ax(HE80)	106	5530	8.53	10.00	No	
	122	5610	12.69	13.50	No	
5.8 (5.725~5.85)	802.11a	149	5745	13.32	14.00	No
		157	5785	13.18	14.00	No
		165	5825	13.35	14.00	No
	802.11n(HT20)	149	5745	13.05	14.00	No
		157	5785	13.12	14.00	No
		165	5825	13.19	14.00	No
	802.11n(HT40)	151	5755	13.04	14.00	No
		159	5795	13.04	14.00	No
	802.11ac(VHT20)	149	5745	13.26	14.00	No
		157	5785	13.02	14.00	No
		165	5825	13.05	14.00	No
	802.11ac(VHT40)	151	5755	13.29	14.00	No
		159	5795	13.22	14.00	No
	802.11ac(VHT80)	155	5775	13.89	14.00	Yes
	802.11ax(HE20)	149	5745	13.14	14.00	No
		157	5785	13.02	14.00	No
		165	5825	13.12	14.00	No
	802.11ax(HE40)	151	5755	13.09	14.00	No

		159	5795	13.14	14.00	No
	802.11ax(HE80)	155	5775	13.25	14.00	No

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

9.7.42 5G WIFI-ANT7-Level5

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.40	15.00	No
		40	5200	18.15	19.00	No
		48	5240	18.16	19.00	No
	802.11n(HT20)	36	5180	14.32	15.00	No
		44	5220	18.08	19.00	No
		48	5240	18.06	19.00	No
	802.11n(HT40)	38	5190	10.34	11.00	Yes
		46	5230	18.08	19.00	Yes
	802.11ac(VHT20)	36	5180	12.34	13.00	No
		40	5200	18.02	19.00	No
		48	5240	18.16	19.00	No
	802.11ac(VHT40)	38	5190	10.30	11.00	No
		46	5230	18.09	19.00	No
	802.11ac(VHT80)	42	5210	9.70	11.00	No
	802.11ax(HE20)	36	5180	15.57	16.00	No
		40	5200	18.33	19.00	No
48		5240	18.33	19.00	No	
802.11ax(HE40)	38	5190	14.61	15.00	No	
	46	5230	18.43	19.00	No	
802.11ax(HE80)	42	5210	11.99	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	18.03	19.00	No
		60	5300	18.02	19.00	No
		64	5320	10.83	12.00	No
	802.11n(HT20)	52	5260	17.75	19.00	No
		60	5300	17.72	19.00	No
		64	5320	10.69	12.00	No
	802.11n(HT40)	54	5270	17.78	19.00	Yes
		62	5310	8.67	10.00	Yes
	802.11ac(VHT20)	52	5260	17.75	19.00	No
		60	5300	17.73	19.00	No
		64	5320	10.71	12.00	No
	802.11ac(VHT40)	54	5270	17.76	19.00	No
		62	5310	8.67	10.00	No
	802.11ac(VHT80)	58	5290	8.34	10.00	No
	802.11ax(HE20)	52	5260	17.81	19.00	No
		60	5300	17.77	19.00	No
		64	5320	10.79	12.00	No
	802.11ax(HE40)	54	5270	17.85	19.00	No
62		5310	9.77	11.00	No	
802.11ax(HE80)	58	5290	10.02	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.74	12.00	No
		116	5580	17.89	19.00	No
		140	5700	11.28	12.00	No
	802.11n(HT20)	100	5500	10.61	12.00	No
		116	5580	17.75	19.00	No
		140	5700	11.12	12.00	No
	802.11n(HT40)	102	5510	6.93	8.00	No
		118	5590	17.99	19.00	No
		134	5670	7.18	8.00	No
	802.11ac(VHT20)	100	5500	10.62	12.00	No
		116	5580	17.76	19.00	No
		140	5700	11.13	12.00	No
	802.11ac(VHT40)	102	5510	6.91	8.00	No
		118	5590	17.99	19.00	No
		134	5670	6.97	8.00	No
	802.11ac(VHT80)	106	5530	8.19	10.00	Yes
		122	5610	17.38	19.00	Yes
	802.11ax(HE20)	100	5500	10.72	12.00	No
		116	5580	17.86	19.00	No
		140	5700	11.25	12.00	No
	802.11ax(HE40)	102	5510	7.14	8.00	No
118		5590	18.20	19.00	No	
134		5670	7.36	8.00	No	
802.11ax(HE80)	106	5530	8.53	10.00	No	
	122	5610	18.14	19.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	18.05	19.00	No
		157	5785	18.06	19.00	No
		165	5825	18.17	19.00	No
	802.11n(HT20)	149	5745	17.99	19.00	No
		157	5785	17.94	19.00	No
		165	5825	18.06	19.00	No
	802.11n(HT40)	151	5755	18.06	19.00	No
		159	5795	18.06	19.00	No
	802.11ac(VHT20)	149	5745	17.96	19.00	No
		157	5785	17.94	19.00	No
		165	5825	18.06	19.00	No
	802.11ac(VHT40)	151	5755	18.08	19.00	No
		159	5795	18.10	19.00	No
	802.11ac(VHT80)	155	5775	17.53	19.00	Yes
	802.11ax(HE20)	149	5745	18.34	19.00	No
		157	5785	18.34	19.00	No
		165	5825	18.43	19.00	No
	802.11ax(HE40)	151	5755	18.36	19.00	No

		159	5795	18.38	19.00	No
	802.11ax(HE80)	155	5775	17.97	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.

9.7.43 5G WIFI-ANT7-Level6

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.40	15.00	No
		40	5200	14.20	15.00	No
		48	5240	14.14	15.00	No
	802.11n(HT20)	36	5180	14.32	15.00	No
		44	5220	14.05	15.00	No
		48	5240	14.29	15.00	No
	802.11n(HT40)	38	5190	10.34	11.00	Yes
		46	5230	14.09	15.00	Yes
	802.11ac(VHT20)	36	5180	12.34	13.00	No
		40	5200	14.25	15.00	No
		48	5240	14.35	15.00	No
	802.11ac(VHT40)	38	5190	10.30	11.00	No
		46	5230	14.34	15.00	No
	802.11ac(VHT80)	42	5210	9.70	11.00	No
	802.11ax(HE20)	36	5180	14.35	15.00	No
		40	5200	14.09	15.00	No
		48	5240	14.39	15.00	No
	802.11ax(HE40)	38	5190	14.61	15.00	No
46		5230	14.11	15.00	No	
802.11ax(HE80)	42	5210	11.99	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	14.27	15.00	Yes
		60	5300	14.31	15.00	Yes
		64	5320	10.83	12.00	Yes
	802.11n(HT20)	52	5260	14.19	15.00	No
		60	5300	14.07	15.00	No
		64	5320	10.69	12.00	No
	802.11n(HT40)	54	5270	14.00	15.00	No
		62	5310	9.37	10.00	No
	802.11ac(VHT20)	52	5260	14.26	15.00	No
		60	5300	14.28	15.00	No
		64	5320	10.71	12.00	No
	802.11ac(VHT40)	54	5270	14.05	15.00	No
		62	5310	8.67	10.00	No
	802.11ac(VHT80)	58	5290	8.34	10.00	No
	802.11ax(HE20)	52	5260	14.25	15.00	No
		60	5300	14.29	15.00	No
		64	5320	10.79	12.00	No
	802.11ax(HE40)	54	5270	14.16	15.00	No
62		5310	9.77	11.00	No	
802.11ax(HE80)	58	5290	10.02	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.74	12.00	Yes
		116	5580	15.76	16.50	Yes
		140	5700	11.28	12.00	Yes
	802.11n(HT20)	100	5500	10.61	12.00	No
		116	5580	15.57	16.50	No
		140	5700	11.12	12.00	No
	802.11n(HT40)	102	5510	6.93	8.00	No
		118	5590	15.87	16.50	No
		134	5670	7.18	8.00	No
	802.11ac(VHT20)	100	5500	10.62	12.00	No
		116	5580	15.65	16.50	No
		140	5700	11.13	12.00	No
	802.11ac(VHT40)	102	5510	6.91	8.00	No
		118	5590	15.61	16.50	No
		134	5670	6.97	8.00	No
	802.11ac(VHT80)	106	5530	9.24	10.00	No
		122	5610	15.77	16.50	No
	802.11ax(HE20)	100	5500	10.72	12.00	No
		116	5580	15.68	16.50	No
		140	5700	11.25	12.00	No
	802.11ax(HE40)	102	5510	7.14	8.00	No
118		5590	15.83	16.50	No	
134		5670	7.36	8.00	No	
802.11ax(HE80)	106	5530	8.53	10.00	No	
	122	5610	15.63	16.50	No	
5.8 (5.725~5.85)	802.11a	149	5745	15.10	16.00	No
		157	5785	15.31	16.00	No
		165	5825	15.07	16.00	No
	802.11n(HT20)	149	5745	15.02	16.00	No
		157	5785	15.13	16.00	No
		165	5825	15.16	16.00	No
	802.11n(HT40)	151	5755	15.15	16.00	No
		159	5795	15.14	16.00	No
	802.11ac(VHT20)	149	5745	15.09	16.00	No
		157	5785	15.14	16.00	No
		165	5825	15.35	16.00	No
	802.11ac(VHT40)	151	5755	15.01	16.00	No
		159	5795	15.37	16.00	No
	802.11ac(VHT80)	155	5775	15.91	16.00	Yes
	802.11ax(HE20)	149	5745	15.02	16.00	No
		157	5785	15.07	16.00	No
		165	5825	15.13	16.00	No
	802.11ax(HE40)	151	5755	15.14	16.00	No

		159	5795	15.36	16.00	No
	802.11ax(HE80)	155	5775	15.13	16.00	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.

9.7.44 5G WIFI-ANT7-Level7

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.40	15.00	No
		40	5200	14.20	15.00	No
		48	5240	14.14	15.00	No
	802.11n(HT20)	36	5180	14.32	15.00	No
		44	5220	14.05	15.00	No
		48	5240	14.29	15.00	No
	802.11n(HT40)	38	5190	10.34	11.00	Yes
		46	5230	14.09	15.00	Yes
	802.11ac(VHT20)	36	5180	12.34	13.00	No
		40	5200	14.25	15.00	No
		48	5240	14.35	15.00	No
	802.11ac(VHT40)	38	5190	10.30	11.00	No
		46	5230	14.34	15.00	No
	802.11ac(VHT80)	42	5210	9.70	11.00	No
	802.11ax(HE20)	36	5180	14.35	15.00	No
		40	5200	14.09	15.00	No
48		5240	14.39	15.00	No	
802.11ax(HE40)	38	5190	14.61	15.00	No	
	46	5230	14.11	15.00	No	
802.11ax(HE80)	42	5210	11.99	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	14.27	15.00	No
		60	5300	14.31	15.00	No
		64	5320	10.83	12.00	No
	802.11n(HT20)	52	5260	14.19	15.00	No
		60	5300	14.07	15.00	No
		64	5320	10.69	12.00	No
	802.11n(HT40)	54	5270	14.00	15.00	Yes
		62	5310	9.37	10.00	Yes
	802.11ac(VHT20)	52	5260	14.26	15.00	No
		60	5300	14.28	15.00	No
		64	5320	10.71	12.00	No
	802.11ac(VHT40)	54	5270	14.05	15.00	No
		62	5310	8.67	10.00	No
	802.11ac(VHT80)	58	5290	8.34	10.00	No
	802.11ax(HE20)	52	5260	14.25	15.00	No
		60	5300	14.29	15.00	No
		64	5320	10.79	12.00	No
	802.11ax(HE40)	54	5270	14.16	15.00	No
62		5310	9.77	11.00	No	
802.11ax(HE80)	58	5290	10.02	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.74	12.00	No
		116	5580	15.76	16.50	No
		140	5700	11.28	12.00	No
	802.11n(HT20)	100	5500	10.61	12.00	No
		116	5580	15.57	16.50	No
		140	5700	11.12	12.00	No
	802.11n(HT40)	102	5510	6.93	8.00	No
		118	5590	15.87	16.50	No
		134	5670	7.18	8.00	No
	802.11ac(VHT20)	100	5500	10.62	12.00	No
		116	5580	15.65	16.50	No
		140	5700	11.13	12.00	No
	802.11ac(VHT40)	102	5510	6.91	8.00	No
		118	5590	15.61	16.50	No
		134	5670	6.97	8.00	No
	802.11ac(VHT80)	106	5530	9.24	10.00	Yes
		122	5610	15.77	16.50	Yes
	802.11ax(HE20)	100	5500	10.72	12.00	No
		116	5580	15.68	16.50	No
		140	5700	11.25	12.00	No
	802.11ax(HE40)	102	5510	7.14	8.00	No
118		5590	15.83	16.50	No	
134		5670	7.36	8.00	No	
802.11ax(HE80)	106	5530	8.53	10.00	No	
	122	5610	15.63	16.50	No	
5.8 (5.725~5.85)	802.11a	149	5745	15.10	16.00	No
		157	5785	15.31	16.00	No
		165	5825	15.07	16.00	No
	802.11n(HT20)	149	5745	15.02	16.00	No
		157	5785	15.13	16.00	No
		165	5825	15.16	16.00	No
	802.11n(HT40)	151	5755	15.15	16.00	No
		159	5795	15.14	16.00	No
	802.11ac(VHT20)	149	5745	15.09	16.00	No
		157	5785	15.14	16.00	No
		165	5825	15.35	16.00	No
	802.11ac(VHT40)	151	5755	15.01	16.00	No
		159	5795	15.37	16.00	No
	802.11ac(VHT80)	155	5775	15.91	16.00	Yes
	802.11ax(HE20)	149	5745	15.02	16.00	No
		157	5785	15.07	16.00	No
		165	5825	15.13	16.00	No
	802.11ax(HE40)	151	5755	15.14	16.00	No

		159	5795	15.36	16.00	No
	802.11ax(HE80)	155	5775	15.13	16.00	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.

9.7.45 5G WIFI-ANT7-Level8

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	11.24	12.00	No
		40	5200	11.17	12.00	No
		48	5240	11.33	12.00	No
	802.11n(HT20)	36	5180	11.37	12.00	No
		44	5220	11.07	12.00	No
		48	5240	11.40	12.00	No
	802.11n(HT40)	38	5190	10.34	11.00	Yes
		46	5230	11.03	12.00	Yes
	802.11ac(VHT20)	36	5180	11.22	12.00	No
		40	5200	11.15	12.00	No
		48	5240	11.20	12.00	No
	802.11ac(VHT40)	38	5190	10.30	11.00	No
		46	5230	11.07	12.00	No
	802.11ac(VHT80)	42	5210	9.70	11.00	No
	802.11ax(HE20)	36	5180	11.31	12.00	No
		40	5200	11.39	12.00	No
48		5240	11.42	12.00	No	
802.11ax(HE40)	38	5190	11.00	12.00	No	
	46	5230	11.23	12.00	No	
802.11ax(HE80)	42	5210	11.38	12.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	11.08	12.00	No
		60	5300	11.19	12.00	No
		64	5320	10.83	12.00	No
	802.11n(HT20)	52	5260	11.06	12.00	No
		60	5300	11.02	12.00	No
		64	5320	10.69	12.00	No
	802.11n(HT40)	54	5270	11.00	12.00	Yes
		62	5310	9.37	10.00	Yes
	802.11ac(VHT20)	52	5260	11.04	12.00	No
		60	5300	11.03	12.00	No
		64	5320	10.71	12.00	No
	802.11ac(VHT40)	54	5270	11.01	12.00	No
		62	5310	8.67	10.00	No
	802.11ac(VHT80)	58	5290	8.34	10.00	No
	802.11ax(HE20)	52	5260	11.32	12.00	No
		60	5300	11.19	12.00	No
		64	5320	10.79	12.00	No
	802.11ax(HE40)	54	5270	11.26	12.00	No
62		5310	9.77	11.00	No	
802.11ax(HE80)	58	5290	10.02	11.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	10.74	12.00	No
		116	5580	13.07	14.00	No
		140	5700	11.28	12.00	No
	802.11n(HT20)	100	5500	10.61	12.00	No
		116	5580	13.30	14.00	No
		140	5700	11.12	12.00	No
	802.11n(HT40)	102	5510	6.93	8.00	No
		118	5590	13.28	14.00	No
		134	5670	7.18	8.00	No
	802.11ac(VHT20)	100	5500	10.62	12.00	No
		116	5580	13.12	14.00	No
		140	5700	11.13	12.00	No
	802.11ac(VHT40)	102	5510	6.91	8.00	No
		118	5590	13.30	14.00	No
		134	5670	6.97	8.00	No
	802.11ac(VHT80)	106	5530	9.24	10.00	Yes
		122	5610	13.32	14.00	Yes
	802.11ax(HE20)	100	5500	10.72	12.00	No
116		5580	13.26	14.00	No	
140		5700	11.25	12.00	No	
802.11ax(HE40)	102	5510	7.14	8.00	No	
	118	5590	13.30	14.00	No	
	134	5670	7.36	8.00	No	
802.11ax(HE80)	106	5530	8.53	10.00	No	
	122	5610	13.04	14.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	12.01	13.00	No
		157	5785	12.04	13.00	No
		165	5825	12.38	13.00	No
	802.11n(HT20)	149	5745	12.19	13.00	No
		157	5785	12.37	13.00	No
		165	5825	12.09	13.00	No
	802.11n(HT40)	151	5755	12.11	13.00	No
		159	5795	12.29	13.00	No
	802.11ac(VHT20)	149	5745	12.09	13.00	No
		157	5785	12.40	13.00	No
		165	5825	12.38	13.00	No
	802.11ac(VHT40)	151	5755	12.16	13.00	No
		159	5795	12.11	13.00	No
	802.11ac(VHT80)	155	5775	12.90	13.00	Yes
	802.11ax(HE20)	149	5745	12.39	13.00	No
		157	5785	12.24	13.00	No
		165	5825	12.18	13.00	No
	802.11ax(HE40)	151	5755	12.22	13.00	No

		159	5795	12.35	13.00	No
	802.11ax(HE80)	155	5775	12.26	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.

9.7.46 5G WIFI-ANT2&7-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.65	18.00	No
		40	5200	21.33	22.00	No
		48	5240	21.35	22.00	No
	802.11n(HT20)	36	5180	17.47	18.00	No
		44	5220	21.15	22.00	No
		48	5240	21.25	22.00	No
	802.11n(HT40)	38	5190	13.51	14.00	No
		46	5230	21.43	22.00	No
	802.11ac(VHT20)	36	5180	15.47	16.00	No
		40	5200	21.18	22.00	No
		48	5240	21.16	22.00	No
	802.11ac(VHT40)	38	5190	13.51	14.00	No
		46	5230	21.29	22.00	No
	802.11ac(VHT80)	42	5210	12.86	14.00	No
	802.11ax(HE20)	36	5180	18.75	19.00	No
		40	5200	21.60	22.00	No
48		5240	21.58	22.00	No	
802.11ax(HE40)	38	5190	17.82	18.00	No	
	46	5230	21.60	22.00	No	
802.11ax(HE80)	42	5210	15.18	16.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	21.14	22.00	No
		60	5300	21.15	22.00	No
		64	5320	14.08	15.00	No
	802.11n(HT20)	52	5260	21.02	22.00	No
		60	5300	20.98	22.00	No
		64	5320	13.95	15.00	No
	802.11n(HT40)	54	5270	21.22	22.00	Yes
		62	5310	12.01	13.00	Yes
	802.11ac(VHT20)	52	5260	21.03	22.00	No
		60	5300	20.96	22.00	No
		64	5320	13.97	15.00	No
	802.11ac(VHT40)	54	5270	21.11	22.00	No
		62	5310	12.02	13.00	No
	802.11ac(VHT80)	58	5290	11.65	13.00	No
	802.11ax(HE20)	52	5260	21.10	22.00	No
		60	5300	21.16	22.00	No
		64	5320	14.14	15.00	No
	802.11ax(HE40)	54	5270	21.21	22.00	No
62		5310	13.18	14.00	No	
802.11ax(HE80)	58	5290	13.36	14.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	13.77	15.00	No
		116	5580	20.94	22.00	No
		140	5700	14.13	15.00	No
	802.11n(HT20)	100	5500	13.71	15.00	No
		116	5580	20.84	22.00	No
		140	5700	13.99	15.00	No
	802.11n(HT40)	102	5510	10.03	11.00	No
		118	5590	21.10	22.00	No
		134	5670	10.06	11.00	No
	802.11ac(VHT20)	100	5500	13.72	15.00	No
		116	5580	20.85	22.00	No
		140	5700	14.09	15.00	No
	802.11ac(VHT40)	102	5510	10.06	11.00	No
		118	5590	21.10	22.00	No
		134	5670	10.07	11.00	No
	802.11ac(VHT80)	106	5530	11.38	13.00	Yes
		122	5610	20.51	22.00	Yes
	802.11ax(HE20)	100	5500	13.87	15.00	No
		116	5580	21.03	22.00	No
		140	5700	14.24	15.00	No
	802.11ax(HE40)	102	5510	10.24	11.00	No
118		5590	21.30	22.00	No	
134		5670	10.26	11.00	No	
802.11ax(HE80)	106	5530	11.66	13.00	No	
	122	5610	21.26	22.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	21.06	22.00	No
		157	5785	21.00	22.00	No
		165	5825	21.24	22.00	No
	802.11n(HT20)	149	5745	21.04	22.00	No
		157	5785	20.99	22.00	No
		165	5825	21.15	22.00	No
	802.11n(HT40)	151	5755	21.16	22.00	No
		159	5795	21.21	22.00	No
	802.11ac(VHT20)	149	5745	21.07	22.00	No
		157	5785	21.03	22.00	No
		165	5825	21.14	22.00	No
	802.11ac(VHT40)	151	5755	21.20	22.00	No
		159	5795	21.20	22.00	No
	802.11ac(VHT80)	155	5775	20.59	22.00	Yes
	802.11ax(HE20)	149	5745	21.43	22.00	No
		157	5785	21.37	22.00	No
		165	5825	21.49	22.00	No
	802.11ax(HE40)	151	5755	21.37	22.00	No

		159	5795	21.42	22.00	No
	802.11ax(HE80)	155	5775	20.99	22.00	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.

9.7.47 5G WIFI-ANT2&7-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.65	18.00	No
		40	5200	21.33	22.00	No
		48	5240	21.35	22.00	No
	802.11n(HT20)	36	5180	17.47	18.00	No
		44	5220	21.15	22.00	No
		48	5240	21.25	22.00	No
	802.11n(HT40)	38	5190	13.51	14.00	No
		46	5230	21.43	22.00	No
	802.11ac(VHT20)	36	5180	15.47	16.00	No
		40	5200	21.18	22.00	No
		48	5240	21.16	22.00	No
	802.11ac(VHT40)	38	5190	13.51	14.00	No
		46	5230	21.29	22.00	No
	802.11ac(VHT80)	42	5210	12.86	14.00	No
	802.11ax(HE20)	36	5180	18.75	19.00	No
40		5200	21.60	22.00	No	
48		5240	21.58	22.00	No	
802.11ax(HE40)	38	5190	17.82	18.00	No	
	46	5230	21.60	22.00	No	
802.11ax(HE80)	42	5210	15.18	16.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	21.14	22.00	No
		60	5300	21.15	22.00	No
		64	5320	14.08	15.00	No
	802.11n(HT20)	52	5260	21.02	22.00	No
		60	5300	20.98	22.00	No
		64	5320	13.95	15.00	No
	802.11n(HT40)	54	5270	21.22	22.00	Yes
		62	5310	12.01	13.00	Yes
	802.11ac(VHT20)	52	5260	21.03	22.00	No
		60	5300	20.96	22.00	No
		64	5320	13.97	15.00	No
	802.11ac(VHT40)	54	5270	21.11	22.00	No
		62	5310	12.02	13.00	No
	802.11ac(VHT80)	58	5290	11.65	13.00	No
	802.11ax(HE20)	52	5260	21.10	22.00	No
		60	5300	21.16	22.00	No
		64	5320	14.14	15.00	No
	802.11ax(HE40)	54	5270	21.21	22.00	No
62		5310	13.18	14.00	No	
802.11ax(HE80)	58	5290	13.36	14.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	13.77	15.00	No
		116	5580	20.94	22.00	No
		140	5700	14.13	15.00	No
	802.11n(HT20)	100	5500	13.71	15.00	No
		116	5580	20.84	22.00	No
		140	5700	13.99	15.00	No
	802.11n(HT40)	102	5510	10.03	11.00	No
		118	5590	21.10	22.00	No
		134	5670	10.06	11.00	No
	802.11ac(VHT20)	100	5500	13.72	15.00	No
		116	5580	20.85	22.00	No
		140	5700	14.09	15.00	No
	802.11ac(VHT40)	102	5510	10.06	11.00	No
		118	5590	21.10	22.00	No
		134	5670	10.07	11.00	No
	802.11ac(VHT80)	106	5530	11.38	13.00	Yes
		122	5610	20.51	22.00	Yes
	802.11ax(HE20)	100	5500	13.87	15.00	No
		116	5580	21.03	22.00	No
		140	5700	14.24	15.00	No
	802.11ax(HE40)	102	5510	10.24	11.00	No
118		5590	21.30	22.00	No	
134		5670	10.26	11.00	No	
802.11ax(HE80)	106	5530	11.66	13.00	No	
	122	5610	21.26	22.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	21.06	22.00	No
		157	5785	21.00	22.00	No
		165	5825	21.24	22.00	No
	802.11n(HT20)	149	5745	21.04	22.00	No
		157	5785	20.99	22.00	No
		165	5825	21.15	22.00	No
	802.11n(HT40)	151	5755	21.16	22.00	No
		159	5795	21.21	22.00	No
	802.11ac(VHT20)	149	5745	21.07	22.00	No
		157	5785	21.03	22.00	No
		165	5825	21.14	22.00	No
	802.11ac(VHT40)	151	5755	21.20	22.00	No
		159	5795	21.20	22.00	No
	802.11ac(VHT80)	155	5775	20.59	22.00	Yes
	802.11ax(HE20)	149	5745	21.43	22.00	No
		157	5785	21.37	22.00	No
		165	5825	21.49	22.00	No
	802.11ax(HE40)	151	5755	21.37	22.00	No

		159	5795	21.42	22.00	No
	802.11ax(HE80)	155	5775	20.99	22.00	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.

9.7.48 5G WIFI-ANT2&7-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.65	18.00	No
		40	5200	21.33	22.00	No
		48	5240	21.35	22.00	No
	802.11n(HT20)	36	5180	17.47	18.00	No
		44	5220	21.15	22.00	No
		48	5240	21.25	22.00	No
	802.11n(HT40)	38	5190	13.51	14.00	No
		46	5230	21.43	22.00	No
	802.11ac(VHT20)	36	5180	15.47	16.00	No
		40	5200	21.18	22.00	No
		48	5240	21.16	22.00	No
	802.11ac(VHT40)	38	5190	13.51	14.00	No
		46	5230	21.29	22.00	No
	802.11ac(VHT80)	42	5210	12.86	14.00	No
	802.11ax(HE20)	36	5180	18.75	19.00	No
40		5200	21.60	22.00	No	
48		5240	21.58	22.00	No	
802.11ax(HE40)	38	5190	17.82	18.00	No	
	46	5230	21.60	22.00	No	
802.11ax(HE80)	42	5210	15.18	16.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	21.14	22.00	No
		60	5300	21.15	22.00	No
		64	5320	14.08	15.00	No
	802.11n(HT20)	52	5260	21.02	22.00	No
		60	5300	20.98	22.00	No
		64	5320	13.95	15.00	No
	802.11n(HT40)	54	5270	21.22	22.00	Yes
		62	5310	12.01	13.00	Yes
	802.11ac(VHT20)	52	5260	21.03	22.00	No
		60	5300	20.96	22.00	No
		64	5320	13.97	15.00	No
	802.11ac(VHT40)	54	5270	21.11	22.00	No
		62	5310	12.02	13.00	No
	802.11ac(VHT80)	58	5290	11.65	13.00	No
	802.11ax(HE20)	52	5260	21.10	22.00	No
		60	5300	21.16	22.00	No
		64	5320	14.14	15.00	No
	802.11ax(HE40)	54	5270	21.21	22.00	No
62		5310	13.18	14.00	No	
802.11ax(HE80)	58	5290	13.36	14.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	13.77	15.00	No
		116	5580	20.02	21.00	No
		140	5700	14.13	15.00	No
	802.11n(HT20)	100	5500	13.71	15.00	No
		116	5580	20.34	21.00	No
		140	5700	13.99	15.00	No
	802.11n(HT40)	102	5510	10.03	11.00	No
		118	5590	20.05	21.00	No
		134	5670	10.06	11.00	No
	802.11ac(VHT20)	100	5500	13.72	15.00	No
		116	5580	20.14	21.00	No
		140	5700	14.09	15.00	No
	802.11ac(VHT40)	102	5510	10.06	11.00	No
		118	5590	20.38	21.00	No
		134	5670	10.07	11.00	No
	802.11ac(VHT80)	106	5530	11.38	13.00	Yes
		122	5610	20.04	21.00	Yes
	802.11ax(HE20)	100	5500	13.87	15.00	No
		116	5580	20.40	21.00	No
		140	5700	14.24	15.00	No
	802.11ax(HE40)	102	5510	10.24	11.00	No
118		5590	20.11	21.00	No	
134		5670	10.26	11.00	No	
802.11ax(HE80)	106	5530	11.66	13.00	No	
	122	5610	20.32	21.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	21.06	22.00	No
		157	5785	21.00	22.00	No
		165	5825	21.24	22.00	No
	802.11n(HT20)	149	5745	21.04	22.00	No
		157	5785	20.99	22.00	No
		165	5825	21.15	22.00	No
	802.11n(HT40)	151	5755	21.16	22.00	No
		159	5795	21.21	22.00	No
	802.11ac(VHT20)	149	5745	21.07	22.00	No
		157	5785	21.03	22.00	No
		165	5825	21.14	22.00	No
	802.11ac(VHT40)	151	5755	21.20	22.00	No
		159	5795	21.20	22.00	No
	802.11ac(VHT80)	155	5775	20.59	22.00	Yes
	802.11ax(HE20)	149	5745	21.43	22.00	No
		157	5785	21.37	22.00	No
		165	5825	21.49	22.00	No
	802.11ax(HE40)	151	5755	21.37	22.00	No

		159	5795	21.42	22.00	No
	802.11ax(HE80)	155	5775	20.99	22.00	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.

9.7.49 5G WIFI-ANT2&7-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.65	18.00	No
		40	5200	21.33	22.00	No
		48	5240	21.35	22.00	No
	802.11n(HT20)	36	5180	17.47	18.00	No
		44	5220	21.15	22.00	No
		48	5240	21.25	22.00	No
	802.11n(HT40)	38	5190	13.51	14.00	No
		46	5230	21.43	22.00	No
	802.11ac(VHT20)	36	5180	15.47	16.00	No
		40	5200	21.18	22.00	No
		48	5240	21.16	22.00	No
	802.11ac(VHT40)	38	5190	13.51	14.00	No
		46	5230	21.29	22.00	No
	802.11ac(VHT80)	42	5210	12.86	14.00	No
	802.11ax(HE20)	36	5180	18.75	19.00	No
		40	5200	21.60	22.00	No
48		5240	21.58	22.00	No	
802.11ax(HE40)	38	5190	17.82	18.00	No	
	46	5230	21.60	22.00	No	
802.11ax(HE80)	42	5210	15.18	16.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	21.14	22.00	No
		60	5300	21.15	22.00	No
		64	5320	14.08	15.00	No
	802.11n(HT20)	52	5260	21.02	22.00	No
		60	5300	20.98	22.00	No
		64	5320	13.95	15.00	No
	802.11n(HT40)	54	5270	21.22	22.00	Yes
		62	5310	12.01	13.00	Yes
	802.11ac(VHT20)	52	5260	21.03	22.00	No
		60	5300	20.96	22.00	No
		64	5320	13.97	15.00	No
	802.11ac(VHT40)	54	5270	21.11	22.00	No
		62	5310	12.02	13.00	No
	802.11ac(VHT80)	58	5290	11.65	13.00	No
	802.11ax(HE20)	52	5260	21.10	22.00	No
		60	5300	21.16	22.00	No
		64	5320	14.14	15.00	No
	802.11ax(HE40)	54	5270	21.21	22.00	No
62		5310	13.18	14.00	No	
802.11ax(HE80)	58	5290	13.36	14.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	13.77	15.00	No
		116	5580	20.02	21.00	No
		140	5700	14.13	15.00	No
	802.11n(HT20)	100	5500	13.71	15.00	No
		116	5580	20.34	21.00	No
		140	5700	13.99	15.00	No
	802.11n(HT40)	102	5510	10.03	11.00	No
		118	5590	20.05	21.00	No
		134	5670	10.06	11.00	No
	802.11ac(VHT20)	100	5500	13.72	15.00	No
		116	5580	20.14	21.00	No
		140	5700	14.09	15.00	No
	802.11ac(VHT40)	102	5510	10.06	11.00	No
		118	5590	20.38	21.00	No
		134	5670	10.07	11.00	No
	802.11ac(VHT80)	106	5530	11.38	13.00	Yes
		122	5610	20.04	21.00	Yes
	802.11ax(HE20)	100	5500	13.87	15.00	No
		116	5580	20.40	21.00	No
		140	5700	14.24	15.00	No
	802.11ax(HE40)	102	5510	10.24	11.00	No
118		5590	20.11	21.00	No	
134		5670	10.26	11.00	No	
802.11ax(HE80)	106	5530	11.66	13.00	No	
	122	5610	20.32	21.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	20.65	21.00	No
		157	5785	20.53	21.00	No
		165	5825	20.36	21.00	No
	802.11n(HT20)	149	5745	20.54	21.00	No
		157	5785	20.44	21.00	No
		165	5825	20.60	21.00	No
	802.11n(HT40)	151	5755	20.35	21.00	No
		159	5795	20.30	21.00	No
	802.11ac(VHT20)	149	5745	20.31	21.00	No
		157	5785	20.54	21.00	No
		165	5825	20.57	21.00	No
	802.11ac(VHT40)	151	5755	20.67	21.00	No
		159	5795	20.34	21.00	No
	802.11ac(VHT80)	155	5775	20.66	21.00	Yes
	802.11ax(HE20)	149	5745	20.32	21.00	No
		157	5785	20.34	21.00	No
		165	5825	20.54	21.00	No
	802.11ax(HE40)	151	5755	20.60	21.00	No

		159	5795	20.50	21.00	No
	802.11ax(HE80)	155	5775	20.67	21.00	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.

9.7.50 5G WIFI-ANT2&7-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.09	17.50	No
		40	5200	16.86	17.50	No
		48	5240	16.93	17.50	No
	802.11n(HT20)	36	5180	17.06	17.50	No
		44	5220	16.95	17.50	No
		48	5240	16.98	17.50	No
	802.11n(HT40)	38	5190	13.51	14.00	No
		46	5230	17.11	17.50	No
	802.11ac(VHT20)	36	5180	15.47	16.00	No
		40	5200	16.94	17.50	No
		48	5240	17.14	17.50	No
	802.11ac(VHT40)	38	5190	13.51	14.00	No
		46	5230	16.84	17.50	No
	802.11ac(VHT80)	42	5210	12.86	14.00	No
	802.11ax(HE20)	36	5180	16.99	17.50	No
		40	5200	16.80	17.50	No
48		5240	17.10	17.50	No	
802.11ax(HE40)	38	5190	16.90	17.50	No	
	46	5230	16.87	17.50	No	
802.11ax(HE80)	42	5210	15.18	16.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	17.02	17.50	No
		60	5300	17.10	17.50	No
		64	5320	14.08	15.00	No
	802.11n(HT20)	52	5260	16.94	17.50	No
		60	5300	17.02	17.50	No
		64	5320	13.95	15.00	No
	802.11n(HT40)	54	5270	17.01	17.50	Yes
		62	5310	12.01	13.00	Yes
	802.11ac(VHT20)	52	5260	16.84	17.50	No
		60	5300	17.15	17.50	No
		64	5320	13.97	15.00	No
	802.11ac(VHT40)	54	5270	16.90	17.50	No
		62	5310	12.02	13.00	No
	802.11ac(VHT80)	58	5290	11.65	13.00	No
	802.11ax(HE20)	52	5260	16.84	17.50	No
		60	5300	17.16	17.50	No
		64	5320	14.14	15.00	No
	802.11ax(HE40)	54	5270	17.19	17.50	No
62		5310	13.18	14.00	No	
802.11ax(HE80)	58	5290	13.36	14.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	13.77	15.00	No
		116	5580	15.83	16.50	No
		140	5700	14.13	15.00	No
	802.11n(HT20)	100	5500	13.71	15.00	No
		116	5580	16.17	16.50	No
		140	5700	13.99	15.00	No
	802.11n(HT40)	102	5510	10.03	11.00	No
		118	5590	15.82	16.50	No
		134	5670	10.06	11.00	No
	802.11ac(VHT20)	100	5500	13.72	15.00	No
		116	5580	15.91	16.50	No
		140	5700	14.09	15.00	No
	802.11ac(VHT40)	102	5510	10.06	11.00	No
		118	5590	15.88	16.50	No
		134	5670	10.07	11.00	No
	802.11ac(VHT80)	106	5530	11.38	13.00	Yes
		122	5610	16.08	16.50	Yes
	802.11ax(HE20)	100	5500	13.87	15.00	No
		116	5580	15.97	16.50	No
		140	5700	14.24	15.00	No
	802.11ax(HE40)	102	5510	10.24	11.00	No
118		5590	16.10	16.50	No	
134		5670	10.26	11.00	No	
802.11ax(HE80)	106	5530	11.66	13.00	No	
	122	5610	16.17	16.50	No	
5.8 (5.725~5.85)	802.11a	149	5745	16.54	17.00	No
		157	5785	16.57	17.00	No
		165	5825	16.69	17.00	No
	802.11n(HT20)	149	5745	16.53	17.00	No
		157	5785	16.47	17.00	No
		165	5825	16.49	17.00	No
	802.11n(HT40)	151	5755	16.44	17.00	No
		159	5795	16.59	17.00	No
	802.11ac(VHT20)	149	5745	16.41	17.00	No
		157	5785	16.61	17.00	No
		165	5825	16.55	17.00	No
	802.11ac(VHT40)	151	5755	16.65	17.00	No
		159	5795	16.51	17.00	No
	802.11ac(VHT80)	155	5775	16.62	17.00	Yes
	802.11ax(HE20)	149	5745	16.66	17.00	No
		157	5785	16.33	17.00	No
		165	5825	16.34	17.00	No
	802.11ax(HE40)	151	5755	16.58	17.00	No

		159	5795	16.68	17.00	No
	802.11ax(HE80)	155	5775	16.47	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.

9.7.51 5G WIFI-ANT2&7-Level5

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.65	18.00	No
		40	5200	21.33	22.00	No
		48	5240	21.35	22.00	No
	802.11n(HT20)	36	5180	17.47	18.00	No
		44	5220	21.15	22.00	No
		48	5240	21.25	22.00	No
	802.11n(HT40)	38	5190	13.51	14.00	Yes
		46	5230	21.43	22.00	Yes
	802.11ac(VHT20)	36	5180	15.47	16.00	No
		40	5200	21.18	22.00	No
		48	5240	21.16	22.00	No
	802.11ac(VHT40)	38	5190	13.51	14.00	No
		46	5230	21.29	22.00	No
	802.11ac(VHT80)	42	5210	12.86	14.00	No
	802.11ax(HE20)	36	5180	18.75	19.00	No
		40	5200	21.60	22.00	No
48		5240	21.58	22.00	No	
802.11ax(HE40)	38	5190	17.82	18.00	No	
	46	5230	21.60	22.00	No	
802.11ax(HE80)	42	5210	15.18	16.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	21.14	22.00	No
		60	5300	21.15	22.00	No
		64	5320	14.08	15.00	No
	802.11n(HT20)	52	5260	21.02	22.00	No
		60	5300	20.98	22.00	No
		64	5320	13.95	15.00	No
	802.11n(HT40)	54	5270	21.22	22.00	Yes
		62	5310	12.01	13.00	Yes
	802.11ac(VHT20)	52	5260	21.03	22.00	No
		60	5300	20.96	22.00	No
		64	5320	13.97	15.00	No
	802.11ac(VHT40)	54	5270	21.11	22.00	No
		62	5310	12.02	13.00	No
	802.11ac(VHT80)	58	5290	11.65	13.00	No
	802.11ax(HE20)	52	5260	21.10	22.00	No
		60	5300	21.16	22.00	No
64		5320	14.14	15.00	No	
802.11ax(HE40)	54	5270	21.21	22.00	No	
	62	5310	13.18	14.00	No	
802.11ax(HE80)	58	5290	13.36	14.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	13.77	15.00	No
		116	5580	20.94	22.00	No
		140	5700	14.13	15.00	No
	802.11n(HT20)	100	5500	13.71	15.00	No
		116	5580	20.84	22.00	No
		140	5700	13.99	15.00	No
	802.11n(HT40)	102	5510	10.03	11.00	No
		118	5590	21.10	22.00	No
		134	5670	10.06	11.00	No
	802.11ac(VHT20)	100	5500	13.72	15.00	No
		116	5580	20.85	22.00	No
		140	5700	14.09	15.00	No
	802.11ac(VHT40)	102	5510	10.06	11.00	No
		118	5590	21.10	22.00	No
		134	5670	10.07	11.00	No
	802.11ac(VHT80)	106	5530	11.38	13.00	Yes
		122	5610	20.51	22.00	Yes
	802.11ax(HE20)	100	5500	13.87	15.00	No
		116	5580	21.03	22.00	No
		140	5700	14.24	15.00	No
	802.11ax(HE40)	102	5510	10.24	11.00	No
118		5590	21.30	22.00	No	
134		5670	10.26	11.00	No	
802.11ax(HE80)	106	5530	11.66	13.00	No	
	122	5610	21.26	22.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	21.06	22.00	No
		157	5785	21.00	22.00	No
		165	5825	21.24	22.00	No
	802.11n(HT20)	149	5745	21.04	22.00	No
		157	5785	20.99	22.00	No
		165	5825	21.15	22.00	No
	802.11n(HT40)	151	5755	21.16	22.00	No
		159	5795	21.21	22.00	No
	802.11ac(VHT20)	149	5745	21.07	22.00	No
		157	5785	21.03	22.00	No
		165	5825	21.14	22.00	No
	802.11ac(VHT40)	151	5755	21.20	22.00	No
		159	5795	21.20	22.00	No
	802.11ac(VHT80)	155	5775	20.59	22.00	Yes
	802.11ax(HE20)	149	5745	21.43	22.00	No
		157	5785	21.37	22.00	No
		165	5825	21.49	22.00	No
	802.11ax(HE40)	151	5755	21.37	22.00	No

		159	5795	21.42	22.00	No
	802.11ax(HE80)	155	5775	20.99	22.00	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.

9.7.52 5G WIFI-ANT2&7-Level6

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.65	18.00	No
		40	5200	17.64	18.00	No
		48	5240	17.38	18.00	No
	802.11n(HT20)	36	5180	17.47	18.00	No
		44	5220	17.30	18.00	No
		48	5240	17.51	18.00	No
	802.11n(HT40)	38	5190	13.51	14.00	Yes
		46	5230	17.60	18.00	Yes
	802.11ac(VHT20)	36	5180	15.47	16.00	No
		40	5200	17.59	18.00	No
		48	5240	17.48	18.00	No
	802.11ac(VHT40)	38	5190	13.51	14.00	No
		46	5230	17.38	18.00	No
	802.11ac(VHT80)	42	5210	12.86	14.00	No
	802.11ax(HE20)	36	5180	17.44	18.00	No
		40	5200	17.40	18.00	No
		48	5240	17.63	18.00	No
	802.11ax(HE40)	38	5190	17.82	18.00	No
46		5230	17.52	18.00	No	
802.11ax(HE80)	42	5210	15.18	16.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	17.68	18.00	No
		60	5300	17.42	18.00	No
		64	5320	14.08	15.00	No
	802.11n(HT20)	52	5260	17.59	18.00	No
		60	5300	17.64	18.00	No
		64	5320	13.95	15.00	No
	802.11n(HT40)	54	5270	17.49	18.00	Yes
		62	5310	12.01	13.00	Yes
	802.11ac(VHT20)	52	5260	17.41	18.00	No
		60	5300	17.56	18.00	No
		64	5320	13.97	15.00	No
	802.11ac(VHT40)	54	5270	17.65	18.00	No
		62	5310	12.02	13.00	No
	802.11ac(VHT80)	58	5290	11.65	13.00	No
	802.11ax(HE20)	52	5260	17.51	18.00	No
		60	5300	17.49	18.00	No
		64	5320	14.14	15.00	No
	802.11ax(HE40)	54	5270	17.41	18.00	No
62		5310	13.18	14.00	No	
802.11ax(HE80)	58	5290	13.36	14.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	13.77	15.00	No
		116	5580	18.97	19.50	No
		140	5700	14.13	15.00	No
	802.11n(HT20)	100	5500	13.71	15.00	No
		116	5580	19.20	19.50	No
		140	5700	13.99	15.00	No
	802.11n(HT40)	102	5510	10.03	11.00	No
		118	5590	18.84	19.50	No
		134	5670	10.06	11.00	No
	802.11ac(VHT20)	100	5500	13.72	15.00	No
		116	5580	19.18	19.50	No
		140	5700	14.09	15.00	No
	802.11ac(VHT40)	102	5510	10.06	11.00	No
		118	5590	18.93	19.50	No
		134	5670	10.07	11.00	No
	802.11ac(VHT80)	106	5530	11.38	13.00	Yes
		122	5610	19.17	19.50	Yes
	802.11ax(HE20)	100	5500	13.87	15.00	No
		116	5580	18.99	19.50	No
		140	5700	14.24	15.00	No
	802.11ax(HE40)	102	5510	10.24	11.00	No
118		5590	19.09	19.50	No	
134		5670	10.26	11.00	No	
802.11ax(HE80)	106	5530	11.66	13.00	No	
	122	5610	19.15	19.50	No	
5.8 (5.725~5.85)	802.11a	149	5745	18.44	19.00	No
		157	5785	18.44	19.00	No
		165	5825	18.44	19.00	No
	802.11n(HT20)	149	5745	18.48	19.00	No
		157	5785	18.51	19.00	No
		165	5825	18.43	19.00	No
	802.11n(HT40)	151	5755	18.36	19.00	No
		159	5795	18.37	19.00	No
	802.11ac(VHT20)	149	5745	18.66	19.00	No
		157	5785	18.55	19.00	No
		165	5825	18.46	19.00	No
	802.11ac(VHT40)	151	5755	18.34	19.00	No
		159	5795	18.59	19.00	No
	802.11ac(VHT80)	155	5775	18.86	19.00	Yes
	802.11ax(HE20)	149	5745	18.30	19.00	No
		157	5785	18.34	19.00	No
		165	5825	18.41	19.00	No
	802.11ax(HE40)	151	5755	18.70	19.00	No

		159	5795	18.46	19.00	No
	802.11ax(HE80)	155	5775	18.62	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.

9.7.53 5G WIFI-ANT2&7-Level7

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.65	18.00	No
		40	5200	17.64	18.00	No
		48	5240	17.38	18.00	No
	802.11n(HT20)	36	5180	17.47	18.00	No
		44	5220	17.30	18.00	No
		48	5240	17.51	18.00	No
	802.11n(HT40)	38	5190	13.51	14.00	Yes
		46	5230	17.60	18.00	Yes
	802.11ac(VHT20)	36	5180	15.47	16.00	No
		40	5200	17.59	18.00	No
		48	5240	17.48	18.00	No
	802.11ac(VHT40)	38	5190	13.51	14.00	No
		46	5230	17.38	18.00	No
	802.11ac(VHT80)	42	5210	12.86	14.00	No
	802.11ax(HE20)	36	5180	17.44	18.00	No
		40	5200	17.40	18.00	No
48		5240	17.63	18.00	No	
802.11ax(HE40)	38	5190	17.82	18.00	No	
	46	5230	17.52	18.00	No	
802.11ax(HE80)	42	5210	15.18	16.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	17.68	18.00	No
		60	5300	17.42	18.00	No
		64	5320	14.08	15.00	No
	802.11n(HT20)	52	5260	17.59	18.00	No
		60	5300	17.64	18.00	No
		64	5320	13.95	15.00	No
	802.11n(HT40)	54	5270	17.49	18.00	Yes
		62	5310	12.01	13.00	Yes
	802.11ac(VHT20)	52	5260	17.41	18.00	No
		60	5300	17.56	18.00	No
		64	5320	13.97	15.00	No
	802.11ac(VHT40)	54	5270	17.65	18.00	No
		62	5310	12.02	13.00	No
	802.11ac(VHT80)	58	5290	11.65	13.00	No
	802.11ax(HE20)	52	5260	17.51	18.00	No
		60	5300	17.49	18.00	No
		64	5320	14.14	15.00	No
	802.11ax(HE40)	54	5270	17.41	18.00	No
62		5310	13.18	14.00	No	
802.11ax(HE80)	58	5290	13.36	14.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	13.77	15.00	No
		116	5580	18.97	19.50	No
		140	5700	14.13	15.00	No
	802.11n(HT20)	100	5500	13.71	15.00	No
		116	5580	19.20	19.50	No
		140	5700	13.99	15.00	No
	802.11n(HT40)	102	5510	10.03	11.00	No
		118	5590	18.84	19.50	No
		134	5670	10.06	11.00	No
	802.11ac(VHT20)	100	5500	13.72	15.00	No
		116	5580	19.18	19.50	No
		140	5700	14.09	15.00	No
	802.11ac(VHT40)	102	5510	10.06	11.00	No
		118	5590	18.93	19.50	No
		134	5670	10.07	11.00	No
	802.11ac(VHT80)	106	5530	11.38	13.00	Yes
		122	5610	19.17	19.50	Yes
	802.11ax(HE20)	100	5500	13.87	15.00	No
		116	5580	18.99	19.50	No
		140	5700	14.24	15.00	No
	802.11ax(HE40)	102	5510	10.24	11.00	No
118		5590	19.09	19.50	No	
134		5670	10.26	11.00	No	
802.11ax(HE80)	106	5530	11.66	13.00	No	
	122	5610	19.15	19.50	No	
5.8 (5.725~5.85)	802.11a	149	5745	18.44	19.00	No
		157	5785	18.44	19.00	No
		165	5825	18.44	19.00	No
	802.11n(HT20)	149	5745	18.48	19.00	No
		157	5785	18.51	19.00	No
		165	5825	18.43	19.00	No
	802.11n(HT40)	151	5755	18.36	19.00	No
		159	5795	18.37	19.00	No
	802.11ac(VHT20)	149	5745	18.66	19.00	No
		157	5785	18.55	19.00	No
		165	5825	18.46	19.00	No
	802.11ac(VHT40)	151	5755	18.34	19.00	No
		159	5795	18.59	19.00	No
	802.11ac(VHT80)	155	5775	18.86	19.00	Yes
	802.11ax(HE20)	149	5745	18.30	19.00	No
		157	5785	18.34	19.00	No
		165	5825	18.41	19.00	No
	802.11ax(HE40)	151	5755	18.70	19.00	No

		159	5795	18.46	19.00	No
	802.11ax(HE80)	155	5775	18.62	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.

9.7.54 5G WIFI-ANT2&7-Level8

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.35	15.00	No
		40	5200	14.63	15.00	No
		48	5240	14.34	15.00	No
	802.11n(HT20)	36	5180	14.54	15.00	No
		44	5220	14.64	15.00	No
		48	5240	14.36	15.00	No
	802.11n(HT40)	38	5190	13.51	14.00	Yes
		46	5230	14.44	15.00	Yes
	802.11ac(VHT20)	36	5180	14.52	15.00	No
		40	5200	14.38	15.00	No
		48	5240	14.51	15.00	No
	802.11ac(VHT40)	38	5190	13.51	14.00	No
		46	5230	14.43	15.00	No
	802.11ac(VHT80)	42	5210	12.86	14.00	No
	802.11ax(HE20)	36	5180	14.40	15.00	No
		40	5200	14.36	15.00	No
48		5240	14.42	15.00	No	
802.11ax(HE40)	38	5190	14.43	15.00	No	
	46	5230	14.61	15.00	No	
802.11ax(HE80)	42	5210	14.31	15.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	14.62	15.00	No
		60	5300	14.67	15.00	No
		64	5320	14.08	15.00	No
	802.11n(HT20)	52	5260	14.42	15.00	No
		60	5300	14.41	15.00	No
		64	5320	13.95	15.00	No
	802.11n(HT40)	54	5270	14.63	15.00	Yes
		62	5310	12.01	13.00	Yes
	802.11ac(VHT20)	52	5260	14.38	15.00	No
		60	5300	14.46	15.00	No
		64	5320	13.97	15.00	No
	802.11ac(VHT40)	54	5270	14.69	15.00	No
		62	5310	12.02	13.00	No
	802.11ac(VHT80)	58	5290	11.65	13.00	No
	802.11ax(HE20)	52	5260	14.57	15.00	No
		60	5300	14.38	15.00	No
		64	5320	14.14	15.00	No
	802.11ax(HE40)	54	5270	14.39	15.00	No
62		5310	13.18	14.00	No	
802.11ax(HE80)	58	5290	13.36	14.50	No	

5.6 (5.47~5.725)	802.11a	100	5500	13.77	15.00	No
		116	5580	16.49	17.00	No
		140	5700	14.13	15.00	No
	802.11n(HT20)	100	5500	13.71	15.00	No
		116	5580	16.62	17.00	No
		140	5700	13.99	15.00	No
	802.11n(HT40)	102	5510	10.03	11.00	No
		118	5590	16.55	17.00	No
		134	5670	10.06	11.00	No
	802.11ac(VHT20)	100	5500	13.72	15.00	No
		116	5580	16.41	17.00	No
		140	5700	14.09	15.00	No
	802.11ac(VHT40)	102	5510	10.06	11.00	No
		118	5590	16.69	17.00	No
		134	5670	10.07	11.00	No
	802.11ac(VHT80)	106	5530	11.38	13.00	Yes
		122	5610	16.46	17.00	Yes
	802.11ax(HE20)	100	5500	13.87	15.00	No
		116	5580	16.69	17.00	No
		140	5700	14.24	15.00	No
	802.11ax(HE40)	102	5510	10.24	11.00	No
118		5590	16.32	17.00	No	
134		5670	10.26	11.00	No	
802.11ax(HE80)	106	5530	11.66	13.00	No	
	122	5610	16.60	17.00	No	
5.8 (5.725~5.85)	802.11a	149	5745	15.41	16.00	No
		157	5785	15.47	16.00	No
		165	5825	15.48	16.00	No
	802.11n(HT20)	149	5745	15.38	16.00	No
		157	5785	15.31	16.00	No
		165	5825	15.34	16.00	No
	802.11n(HT40)	151	5755	15.64	16.00	No
		159	5795	15.54	16.00	No
	802.11ac(VHT20)	149	5745	15.67	16.00	No
		157	5785	15.44	16.00	No
		165	5825	15.63	16.00	No
	802.11ac(VHT40)	151	5755	15.62	16.00	No
		159	5795	15.62	16.00	No
	802.11ac(VHT80)	155	5775	15.64	16.00	Yes
	802.11ax(HE20)	149	5745	15.32	16.00	No
		157	5785	15.56	16.00	No
		165	5825	15.46	16.00	No
	802.11ax(HE40)	151	5755	15.34	16.00	No

		159	5795	15.69	16.00	No
	802.11ax(HE80)	155	5775	15.39	16.00	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.

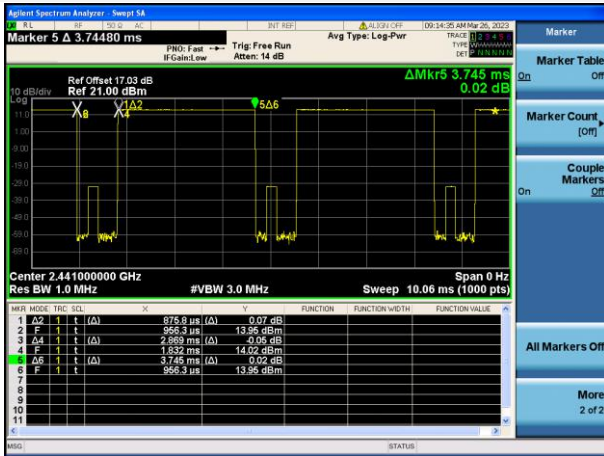
9.8 Bluetooth

Mode	GFSK			$\pi/4$ -DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	13.65	13.75	14.15	11.06	11.09	11.44
Tune-Up Limit (dBm)	15.00	15.00	15.00	13.00	13.00	13.00
SAR Test Require	Yes	Yes	Yes	No	No	No
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	11.14	11.03	11.36	/	/	/
Tune-Up Limit (dBm)	13.00	13.00	13.00	/	/	/
SAR Test Require	No	No	No	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	5.11	5.30	5.23	5.06	5.45	5.49
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
<p>Note: Since Bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode.</p>						

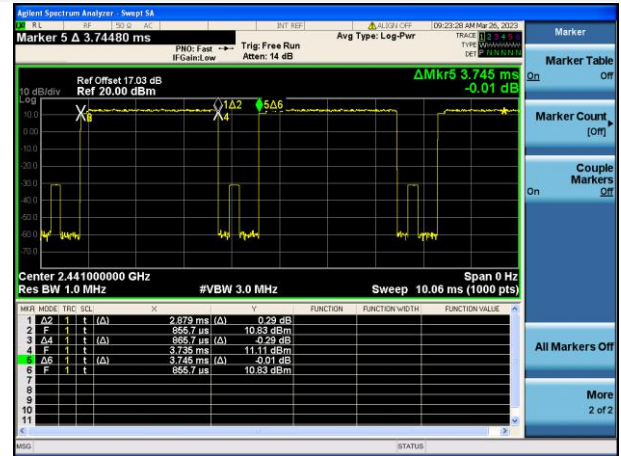
The Bluetooth duty cycle GFSK is 76.61 %, $\pi/4$ -DQPSK is 76.88 % and 8-DPSK is 76.94 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle

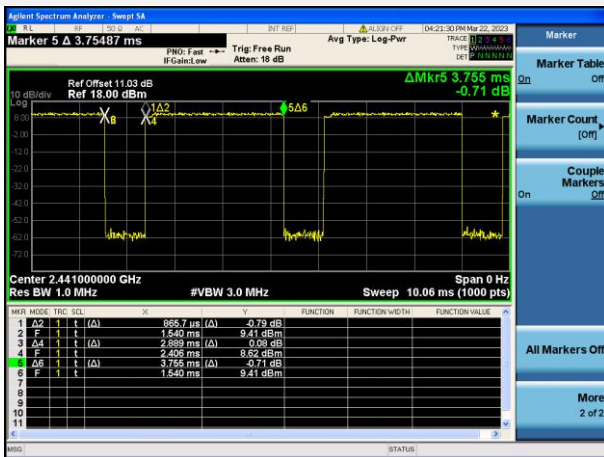
GFSK



$\pi/4$ -DQPSK



8-DPSK



9.9 Power Reduction List

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

WWAN Reduced Power Level Table

Reduced State	Receiver state	Transmitting conditions
State2	On (Head scenario)	WWAN Only
State4	On (Head scenario)	WWAN + WLAN 2.4G/WLAN 5G + BT
State6	On (Head scenario)	WWAN + WLAN 2.4G + WLAN 5G
State1	Off (Body scenario)	WWAN Only
State3	Off (Body scenario)	WWAN + WLAN 2.4G/WLAN 5G + BT
State5	Off (Body scenario)	WWAN + WLAN 2.4G + WLAN 5G

WLAN&BT Reduced Power Level Table

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

WWAN Antenna Power Table

Mode	Antenna	WWAN Antenna Up								
		Full Power	Head			Body-worn/Specific			Hotspot	
			Receiver on			Receiver off			Receiver off	
			State2	State4	State6	State1	State3	State5	State3	State5
GSM 850	ANT1	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	ANT1	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	ANT1	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
GPRS850 3 Tx Slots	ANT1	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50
GPRS850 4 Tx Slots	ANT1	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00
EGPRS850 1 Tx Slot	ANT1	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50
EGPRS850 2 Tx Slots	ANT1	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50
EGPRS850 3 Tx Slots	ANT1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
EGPRS850 4 Tx Slots	ANT1	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
GSM 1900	ANT4	29.00	25.50	25.50	24.50	29.00	27.50	27.50	27.50	27.50
GPRS1900 1 Tx Slot	ANT4	29.00	25.50	25.50	24.50	29.00	27.50	27.50	27.50	27.50
GPRS1900 2 Tx Slots	ANT4	27.00	23.50	23.50	22.50	27.00	25.50	25.50	25.50	25.50
GPRS1900 3 Tx Slots	ANT4	26.00	22.50	22.50	21.50	26.00	24.50	24.50	24.50	24.50
GPRS1900 4 Tx Slots	ANT4	24.00	20.50	20.50	19.50	24.00	22.50	22.50	22.50	22.50
EGPRS1900 1 Tx Slot	ANT4	26.50	23.00	23.00	22.00	26.50	25.00	25.00	25.00	25.00
EGPRS1900 2 Tx Slots	ANT4	23.50	20.00	20.00	19.00	23.50	22.00	22.00	22.00	22.00
EGPRS1900 3 Tx Slots	ANT4	21.50	18.00	18.00	17.00	21.50	20.00	20.00	20.00	20.00
EGPRS1900 4 Tx Slots	ANT4	21.00	17.50	17.50	16.50	21.00	19.50	19.50	19.50	19.50
WCDMA Band2 RMC	ANT4	24.00	21.00	21.00	20.00	24.00	22.50	22.50	22.50	22.50
AMR	ANT4	24.00	21.00	21.00	20.00	24.00	22.50	22.50	22.50	22.50
HSDPA Subtest-1	ANT4	23.00	20.00	20.00	19.00	23.00	21.50	21.50	21.50	21.50
HSDPA Subtest-2	ANT4	23.00	20.00	20.00	19.00	23.00	21.50	21.50	21.50	21.50
HSDPA Subtest-3	ANT4	23.00	20.00	20.00	19.00	23.00	21.50	21.50	21.50	21.50
HSDPA Subtest-4	ANT4	23.00	20.00	20.00	19.00	23.00	21.50	21.50	21.50	21.50
DC-HSDPA Subtest-1	ANT4	23.00	20.00	20.00	19.00	23.00	21.50	21.50	21.50	21.50
DC-HSDPA Subtest-2	ANT4	23.00	20.00	20.00	19.00	23.00	21.50	21.50	21.50	21.50
DC-HSDPA Subtest-3	ANT4	23.00	20.00	20.00	19.00	23.00	21.50	21.50	21.50	21.50
DC-HSDPA Subtest-4	ANT4	23.00	20.00	20.00	19.00	23.00	21.50	21.50	21.50	21.50
HSUPA Subtest-1	ANT4	22.00	19.00	19.00	18.00	22.00	20.50	20.50	20.50	20.50
HSUPA Subtest-2	ANT4	20.00	17.00	17.00	16.00	20.00	18.50	18.50	18.50	18.50
HSUPA Subtest-3	ANT4	21.00	18.00	18.00	17.00	21.00	19.50	19.50	19.50	19.50
HSUPA Subtest-4	ANT4	21.00	18.00	18.00	17.00	21.00	19.50	19.50	19.50	19.50
HSUPA Subtest-5	ANT4	23.00	20.00	20.00	19.00	23.00	21.50	21.50	21.50	21.50
HSPA+	ANT4	24.00	21.00	21.00	20.00	24.00	22.50	22.50	22.50	22.50
WCDMA Band4 RMC	ANT4	23.00	18.00	18.00	17.00	23.00	21.00	21.00	21.00	21.00
AMR	ANT4	23.00	18.00	18.00	17.00	23.00	21.00	21.00	21.00	21.00
HSDPA Subtest-1	ANT4	22.00	17.00	17.00	16.00	22.00	20.00	20.00	20.00	20.00
HSDPA Subtest-2	ANT4	22.00	17.00	17.00	16.00	22.00	20.00	20.00	20.00	20.00
HSDPA Subtest-3	ANT4	22.00	17.00	17.00	16.00	22.00	20.00	20.00	20.00	20.00
HSDPA Subtest-4	ANT4	22.00	17.00	17.00	16.00	22.00	20.00	20.00	20.00	20.00
DC-HSDPA Subtest-1	ANT4	22.00	17.00	17.00	16.00	22.00	20.00	20.00	20.00	20.00
DC-HSDPA Subtest-2	ANT4	22.00	17.00	17.00	16.00	22.00	20.00	20.00	20.00	20.00
DC-HSDPA Subtest-3	ANT4	22.00	17.00	17.00	16.00	22.00	20.00	20.00	20.00	20.00
DC-HSDPA Subtest-4	ANT4	22.00	17.00	17.00	16.00	22.00	20.00	20.00	20.00	20.00

HSUPA Subtest-1	ANT4	21.00	16.00	16.00	15.00	21.00	19.00	19.00	19.00	19.00
HSUPA Subtest-2	ANT4	19.00	14.00	14.00	13.00	19.00	17.00	17.00	17.00	17.00
HSUPA Subtest-3	ANT4	20.00	15.00	15.00	14.00	20.00	18.00	18.00	18.00	18.00
HSUPA Subtest-4	ANT4	20.00	15.00	15.00	14.00	20.00	18.00	18.00	18.00	18.00
HSUPA Subtest-5	ANT4	21.00	16.00	16.00	15.00	21.00	19.00	19.00	19.00	19.00
HSPA+	ANT4	23.00	18.00	18.00	17.00	23.00	21.00	21.00	21.00	21.00
WCDMA Band5 RMC	ANT1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
AMR	ANT1	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-1	ANT1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-2	ANT1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-3	ANT1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-4	ANT1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC-HSDPA Subtest-1	ANT1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC-HSDPA Subtest-2	ANT1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC-HSDPA Subtest-3	ANT1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC-HSDPA Subtest-4	ANT1	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-1	ANT1	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-2	ANT1	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
HSUPA Subtest-3	ANT1	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-4	ANT1	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-5	ANT1	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSPA+	ANT1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band2	ANT4	21.50	17.50	17.50	17.50	21.50	21.50	21.50	21.50	21.50
LTE Band4	ANT4	22.50	17.50	17.50	16.50	22.50	20.50	20.50	20.50	20.50
LTE Band5	ANT1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band7	ANT4	19.50	16.50	16.50	16.50	19.50	19.50	19.50	19.50	19.50
LTE Band12	ANT1	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10
LTE Band13	ANT1	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70
LTE Band17	ANT1	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.20
LTE Band26	ANT1	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band66	ANT4	23.00	18.00	18.00	17.00	23.00	21.50	21.50	21.50	21.50
LTE Band38	ANT4	22.00	17.50	17.50	16.50	22.00	22.00	22.00	22.00	22.00
LTE Band41	ANT4	21.00	17.50	17.50	16.50	21.00	19.50	19.50	19.50	19.50
NR Band5	ANT1	24.20	24.20	24.20	24.2	24.2	24.2	24.2	24.2	24.2
NR Band7	ANT4	20.70	16.00	16.00	16	20.7	18.7	18.7	18.7	18.7
NR Band38	ANT4	20.70	17.20	17.20	17.2	20.70	19.2	19.2	19.2	19.2
NR Band40	ANT4	20.70	20.70	20.70	20.7	20.7	19.2	19.2	19.2	19.2
NR Band41	ANT4	20.20	14.20	14.20	14.2	20.2	18.7	18.7	18.7	18.7
NR Band66	ANT4	24.10	17.60	17.60	16.6	24.1	22.6	22.6	22.6	22.6

Mode	Antenna	WWAN Antenna Down								
		Full Power	Head			Body-worn/Specific			Hotspot	
			Receiver on			Receiver off			Receiver off	
			State2	State4	State6	State1	State3	State5	State3	State5
GSM 850	ANT0	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	ANT0	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	ANT0	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
GPRS850 3 Tx Slots	ANT0	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50
GPRS850 4 Tx Slots	ANT0	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00
EGPRS850 1 Tx Slot	ANT0	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50
EGPRS850 2 Tx Slots	ANT0	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50
EGPRS850 3 Tx Slots	ANT0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
EGPRS850 4 Tx Slots	ANT0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
GSM 1900	ANT3	30.50	30.50	30.50	30.50	29.50	29.50	28.00	29.50	28.00
GPRS1900 1 Tx Slot	ANT3	30.50	30.50	30.50	30.50	29.50	29.50	28.00	29.50	28.00
GPRS1900 2 Tx Slots	ANT3	28.50	28.50	28.50	28.50	27.50	27.50	26.00	27.50	26.00
GPRS1900 3 Tx Slots	ANT3	27.50	27.50	27.50	27.50	26.50	26.50	25.00	26.50	25.00
GPRS1900 4 Tx Slots	ANT3	25.50	25.50	25.50	25.50	24.50	24.50	23.00	24.50	23.00
EGPRS1900 1 Tx Slot	ANT3	28.00	28.00	28.00	28.00	27.00	27.00	25.50	27.00	25.50
EGPRS1900 2 Tx Slots	ANT3	25.00	25.00	25.00	25.00	24.00	24.00	22.50	24.00	22.50
EGPRS1900 3 Tx Slots	ANT3	23.00	23.00	23.00	23.00	22.00	22.00	20.50	22.00	20.50
EGPRS1900 4 Tx Slots	ANT3	22.50	22.50	22.50	22.50	21.50	21.50	20.00	21.50	20.00
WCDMA Band2 RMC	ANT3	24.00	24.00	24.00	24.00	23.50	23.50	22.00	23.50	22.00
AMR	ANT3	24.00	24.00	24.00	24.00	23.50	23.50	22.00	23.50	22.00
HSDPA Subtest-1	ANT3	23.00	23.00	23.00	23.00	22.50	22.50	21.00	22.50	21.00
HSDPA Subtest-2	ANT3	23.00	23.00	23.00	23.00	22.50	22.50	21.00	22.50	21.00
HSDPA Subtest-3	ANT3	23.00	23.00	23.00	23.00	22.50	22.50	21.00	22.50	21.00
HSDPA Subtest-4	ANT3	23.00	23.00	23.00	23.00	22.50	22.50	21.00	22.50	21.00
DC-HSDPA Subtest-1	ANT3	23.00	23.00	23.00	23.00	22.50	22.50	21.00	22.50	21.00
DC-HSDPA Subtest-2	ANT3	23.00	23.00	23.00	23.00	22.50	22.50	21.00	22.50	21.00
DC-HSDPA Subtest-3	ANT3	23.00	23.00	23.00	23.00	22.50	22.50	21.00	22.50	21.00
DC-HSDPA Subtest-4	ANT3	23.00	23.00	23.00	23.00	22.50	22.50	21.00	22.50	21.00
HSUPA Subtest-1	ANT3	22.00	22.00	22.00	22.00	21.50	21.50	20.00	21.50	20.00
HSUPA Subtest-2	ANT3	20.00	20.00	20.00	20.00	19.50	19.50	18.00	19.50	18.00
HSUPA Subtest-3	ANT3	21.00	21.00	21.00	21.00	20.50	20.50	19.00	20.50	19.00
HSUPA Subtest-4	ANT3	21.00	21.00	21.00	21.00	20.50	20.50	19.00	20.50	19.00
HSUPA Subtest-5	ANT3	23.00	23.00	23.00	23.00	22.50	22.50	21.00	22.50	21.00
HSPA+	ANT3	24.00	24.00	24.00	24.00	23.50	23.50	22.00	23.50	22.00
WCDMA Band4 RMC	ANT3	24.00	24.00	24.00	24.00	22.00	22.00	20.00	22.00	20.00
AMR	ANT3	24.00	24.00	24.00	24.00	22.00	22.00	20.00	22.00	20.00
HSDPA Subtest-1	ANT3	23.00	23.00	23.00	23.00	21.00	21.00	19.00	21.00	19.00
HSDPA Subtest-2	ANT3	23.00	23.00	23.00	23.00	21.00	21.00	19.00	21.00	19.00
HSDPA Subtest-3	ANT3	23.00	23.00	23.00	23.00	21.00	21.00	19.00	21.00	19.00
HSDPA Subtest-4	ANT3	23.00	23.00	23.00	23.00	21.00	21.00	19.00	21.00	19.00
DC-HSDPA Subtest-1	ANT3	23.00	23.00	23.00	23.00	21.00	21.00	19.00	21.00	19.00
DC-HSDPA Subtest-2	ANT3	23.00	23.00	23.00	23.00	21.00	21.00	19.00	21.00	19.00
DC-HSDPA Subtest-3	ANT3	23.00	23.00	23.00	23.00	21.00	21.00	19.00	21.00	19.00
DC-HSDPA Subtest-4	ANT3	23.00	23.00	23.00	23.00	21.00	21.00	19.00	21.00	19.00

HSUPA Subtest-1	ANT3	22.00	22.00	22.00	22.00	20.00	20.00	18.00	20.00	18.00
HSUPA Subtest-2	ANT3	20.00	20.00	20.00	20.00	18.00	18.00	16.00	18.00	16.00
HSUPA Subtest-3	ANT3	21.00	21.00	21.00	21.00	19.00	19.00	17.00	19.00	17.00
HSUPA Subtest-4	ANT3	21.00	21.00	21.00	21.00	19.00	19.00	17.00	19.00	17.00
HSUPA Subtest-5	ANT3	22.00	22.00	22.00	22.00	20.00	20.00	18.00	20.00	18.00
HSPA+	ANT3	24.00	24.00	24.00	24.00	22.00	22.00	20.00	22.00	20.00
WCDMA Band5 RMC	ANT0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
AMR	ANT0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-1	ANT0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-2	ANT0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-3	ANT0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-4	ANT0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC-HSDPA Subtest-1	ANT0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC-HSDPA Subtest-2	ANT0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC-HSDPA Subtest-3	ANT0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
DC-HSDPA Subtest-4	ANT0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-1	ANT0	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-2	ANT0	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
HSUPA Subtest-3	ANT0	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-4	ANT0	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-5	ANT0	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSPA+	ANT0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band2	ANT3	23.50	23.50	23.50	23.50	21.50	21.50	21.50	21.50	21.50
LTE Band4	ANT3	23.50	23.50	23.50	23.50	21.50	21.50	20.00	21.50	20.00
LTE Band5	ANT0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band7	ANT3	23.50	23.50	23.50	23.50	19.00	19.00	19.00	19.00	19.00
LTE Band12	ANT0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band13	ANT0	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10
LTE Band17	ANT0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band26	ANT0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band66	ANT3	24.00	24.00	24.00	24.00	22.00	22.00	20.50	22.00	20.50
LTE Band38	ANT3	24.00	24.00	24.00	24.00	22.00	22.00	22.00	22.00	22.00
LTE Band41	ANT3	24.50	24.50	24.50	24.50	21.00	21.00	19.50	21.00	19.50
NR Band5	ANT0	24.20	24.20	24.20	24.2	24.2	24.2	24.2	24.2	24.2
NR Band7	ANT3	23.70	23.70	23.70	23.7	19.7	19.7	18.2	19.7	18.2
NR Band38	ANT3	24.20	24.20	24.20	24.2	18.7	18.7	17.2	18.7	17.2
NR Band40	ANT3	23.70	23.70	23.70	23.7	19.7	19.7	18.2	19.7	18.2
NR Band41	ANT3	24.20	24.20	24.20	24.2	20.2	20.2	18.7	20.2	18.7
NR Band66	ANT3	24.20	24.20	24.20	24.2	21.2	21.2	21.2	21.2	21.2

Mode	Band	Antenna	ENDC Antenna								
			Full Power	Head			Body-worn/Specific			Hotspot	
				Receiver on			Receiver off			Receiver off	
				State2	State4	State6	State1	State3	State5	State3	State5
DC_7A_n5A	n5	Ant.0	24.20	24.20	24.20	24.20	24.20	24.20	23.20	24.20	23.20
	n5	Ant.1	24.20	23.70	23.70	23.70	24.20	24.20	24.20	24.20	24.20
	LTE	Ant.3	23.50	23.50	23.50	23.50	17.50	17.50	17.50	17.50	17.50
	LTE	Ant.4	19.00	14.50	14.50	14.50	19.00	19.00	19.00	19.00	19.00
DC_66A_n5A	n5	Ant.0	24.20	24.20	24.20	24.20	24.20	24.20	23.20	24.20	23.20
	n5	Ant.1	24.20	23.70	23.70	23.70	24.20	24.20	24.20	24.20	24.20
	LTE	Ant.3	24.00	24.00	24.00	24.00	17.50	17.50	17.50	17.50	17.50
	LTE	Ant.4	17.40	14.40	14.40	14.40	17.40	17.40	17.40	17.40	17.40
DC_5A_n7A	n7	Ant.3	23.70	23.70	23.70	23.70	18.20	18.20	15.20	18.20	15.20
	n7	Ant.4	18.70	17.20	17.20	15.20	18.70	15.70	15.70	15.70	15.70
	LTE	Ant.0	24.50	24.50	24.50	24.50	21.50	21.50	21.50	21.50	21.50
	LTE	Ant.1	23.40	23.40	23.40	23.40	19.90	19.90	19.90	19.90	19.90
DC_66A_n7A	n7	Ant.3	23.70	23.70	23.70	23.70	18.20	18.20	15.20	18.20	15.20
	n7	Ant.1	23.70	23.70	23.70	23.70	23.70	23.70	22.20	23.70	22.20
	LTE	Ant.4	18.00	15.00	15.00	15.00	18.00	18.00	18.00	18.00	18.00
	LTE	Ant.1	23.40	23.40	23.40	23.40	19.90	19.90	19.90	19.90	19.90
DC_26A_n41A	n41	Ant.3	24.20	24.20	24.20	24.20	18.70	18.70	15.70	18.70	15.70
	n41	Ant.4	18.70	16.20	16.20	13.20	18.70	15.70	15.70	15.70	15.70
	LTE	Ant.0	24.00	24.00	24.00	24.00	21.50	21.50	21.50	21.50	21.50
	LTE	Ant.1	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
DC_2A_n66A	n66	Ant.3	24.20	24.20	24.20	24.20	21.70	21.70	18.70	21.70	18.70
	n66	Ant.1	24.20	24.20	24.20	24.20	24.20	24.20	21.70	24.20	21.70
	LTE	Ant.4	19.00	17.50	17.50	17.50	19.00	19.00	19.00	19.00	19.00
DC_7A_n66A	n66	Ant.3	24.20	24.20	24.20	24.20	21.70	21.70	18.70	21.70	18.70
	n66	Ant.1	24.20	24.20	24.20	24.20	24.20	24.20	21.70	24.20	21.70
	LTE	Ant.4	19.00	14.50	14.50	14.50	19.00	19.00	19.00	19.00	19.00
	LTE	Ant.1	21.00	21.00	21.00	21.00	20.00	20.00	20.00	20.00	20.00
DC_5A_n66A	n66	Ant.3	24.20	24.20	24.20	24.20	21.70	21.70	18.70	21.70	18.70
	n66	Ant.4	22.70	16.70	16.70	14.70	22.70	19.70	19.70	19.70	19.70
	LTE	Ant.0	24.50	24.50	24.50	24.50	21.50	21.50	21.50	21.50	21.50
	LTE	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50

WLAN&BT Antenna Power Table

Mode	Antenna	WLAN Antenna Chain0											
		Full Power	Head				Body-worn/Specific				Hotspot		
			Receiver on				Receiver off				Receiver off		
			Level1	Level2	Level3	Level4	Level5	Level6	Level7	Level8	Level6	Level7	Level8
2.4G WLAN 802.11b	ANT8	18.50	17.00	17.00	16.00	14.50	18.50	18.50	16.00	13.00	18.50	16.00	13.00
2.4G WLAN 802.11g	ANT8	19.00	17.00	17.00	16.00	14.50	19.00	19.00	16.00	13.00	19.00	16.00	13.00
2.4G WLAN 802.11n20	ANT8	19.00	17.00	17.00	16.00	14.50	19.00	19.00	16.00	13.00	19.00	16.00	13.00
2.4G WLAN 802.11n40	ANT8	19.00	17.00	17.00	16.00	14.50	19.00	19.00	16.00	13.00	19.00	16.00	13.00
2.4G WLAN 802.11ac20	ANT8	19.00	17.00	17.00	16.00	14.50	19.00	19.00	16.00	13.00	19.00	16.00	13.00
2.4G WLAN 802.11ac40	ANT8	19.00	17.00	17.00	16.00	14.50	19.00	19.00	16.00	13.00	19.00	16.00	13.00
2.4G WLAN 802.11ax20	ANT8	19.00	17.00	17.00	16.00	14.50	19.00	19.00	16.00	13.00	19.00	16.00	13.00
2.4G WLAN 802.11ax40	ANT8	19.00	17.00	17.00	16.00	14.50	19.00	19.00	16.00	13.00	19.00	16.00	13.00
5.2G WLAN 802.11a	ANT2	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.2G WLAN 802.11n20	ANT2	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.2G WLAN 802.11n40	ANT2	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.2G WLAN 802.11ac20	ANT2	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.2G WLAN 802.11ac40	ANT2	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.2G WLAN 802.11ac80	ANT2	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
5.2G WLAN 802.11ax20	ANT2	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.2G WLAN 802.11ax40	ANT2	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00

5.2G WLAN 802.11ax80	ANT2	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	12.00	13.00	13.00	12.00
5.3G WLAN 802.11a	ANT2	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.3G WLAN 802.11n20	ANT2	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.3G WLAN 802.11n40	ANT2	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.3G WLAN 802.11ac20	ANT2	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.3G WLAN 802.11ac40	ANT2	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.3G WLAN 802.11ac80	ANT2	10.00	10.00	10.00	10.00	14.50	10.00	10.00	10.00	10.00	10.00	10.00	10.00
5.3G WLAN 802.11ax20	ANT2	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.3G WLAN 802.11ax40	ANT2	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.3G WLAN 802.11ax80	ANT2	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50
5.6G WLAN 802.11a	ANT2	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11n20	ANT2	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11n40	ANT2	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11ac20	ANT2	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11ac40	ANT2	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11ac80	ANT2	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11ax20	ANT2	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11ax40	ANT2	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11ax80	ANT2	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.8G WLAN 802.11a	ANT2	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00

5.8G WLAN 802.11n20	ANT2	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11n40	ANT2	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11ac20	ANT2	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11ac40	ANT2	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11ac80	ANT2	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11ax20	ANT2	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11ax40	ANT2	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11ax80	ANT2	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
Bluetooth	ANT8	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00

Mode	Antenna	WLAN Antenna Chain1												
		Full Power	Head				Body-worn/Specific				Hotspot			
			Receiver on				Receiver off				Receiver off			
			Level1	Level2	Level3	Level4	Level5	Level6	Level7	Level8	Level6	Level7	Level8	
2.4G WLAN 802.11b	ANT2	18.50	17.00	17.00	16.00	14.50	18.50	18.50	16.00	13.00	18.50	16.00	13.00	
2.4G WLAN 802.11g	ANT2	19.00	17.00	17.00	16.00	14.50	19.00	19.00	16.00	13.00	19.00	16.00	13.00	
2.4G WLAN WLAN802.11n2	ANT2	19.00	17.00	17.00	16.00	14.50	19.00	19.00	16.00	13.00	19.00	16.00	13.00	
2.4G WLAN 802.11n40	ANT2	19.00	17.00	17.00	16.00	14.50	19.00	19.00	16.00	13.00	19.00	16.00	13.00	
2.4G WLAN 802.11ac20	ANT2	19.00	17.00	17.00	16.00	14.50	19.00	19.00	16.00	13.00	19.00	16.00	13.00	
2.4G WLAN 802.11ac40	ANT2	19.00	17.00	17.00	16.00	14.50	19.00	19.00	16.00	13.00	19.00	16.00	13.00	
2.4G WLAN 802.11ax20	ANT2	19.00	17.00	17.00	16.00	14.50	19.00	19.00	16.00	13.00	19.00	16.00	13.00	

2.4G WLAN 802.11ax40	ANT2	19.00	17.00	17.00	16.00	14.50	19.00	19.00	16.00	13.00	19.00	16.00	13.00
5.2G WLAN 802.11a	ANT7	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.2G WLAN 802.11n20	ANT7	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.2G WLAN 802.11n40	ANT7	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.2G WLAN 802.11ac20	ANT7	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.2G WLAN 802.11ac40	ANT7	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.2G WLAN 802.11ac80	ANT7	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
5.2G WLAN 802.11ax20	ANT7	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.2G WLAN 802.11ax40	ANT7	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.2G WLAN 802.11ax80	ANT7	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	12.00	13.00	13.00	12.00
5.3G WLAN 802.11a	ANT7	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.3G WLAN 802.11n20	ANT7	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.3G WLAN 802.11n40	ANT7	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.3G WLAN 802.11ac20	ANT7	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.3G WLAN 802.11ac40	ANT7	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.3G WLAN 802.11ac80	ANT7	10.00	10.00	10.00	10.00	14.50	10.00	10.00	10.00	10.00	10.00	10.00	10.00
5.3G WLAN 802.11ax20	ANT7	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.3G WLAN 802.11ax40	ANT7	19.00	19.00	19.00	19.00	14.50	19.00	15.00	15.00	12.00	15.00	15.00	12.00
5.3G WLAN 802.11ax80	ANT7	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50	11.50
5.6G WLAN 802.11a	ANT7	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00

5.6G WLAN 802.11n20	ANT7	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11n40	ANT7	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11ac20	ANT7	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11ac40	ANT7	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11ac80	ANT7	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11ax20	ANT7	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11ax40	ANT7	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.6G WLAN 802.11ax80	ANT7	19.00	19.00	18.00	18.00	13.50	19.00	16.50	16.50	14.00	16.50	16.50	14.00
5.8G WLAN 802.11a	ANT7	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11n20	ANT7	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11n40	ANT7	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11ac20	ANT7	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11ac40	ANT7	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11ac80	ANT7	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11ax20	ANT7	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11ax40	ANT7	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00
5.8G WLAN 802.11ax80	ANT7	19.00	19.00	19.00	17.50	14.00	19.00	16.00	16.00	13.00	16.00	16.00	13.00

Mode	Antenna	WLAN Antenna MIMO					
		Full Power	Head		Body-worn/Specific		Hotspot
			Receiver on		Receiver off		Receiver off

			Level1	Level2	Level3	Level4	Level5	Level6	Level7	Level8	Level6	Level7	Level8
2.4G WLAN 802.11b	ANT2&8	21.50	20.00	20.00	19.00	17.50	21.50	21.50	19.00	16.00	21.50	19.00	16.00
2.4G WLAN 802.11g	ANT2&8	22.00	20.00	20.00	19.00	17.50	22.00	22.00	19.00	16.00	22.00	19.00	16.00
2.4G WLAN802.11n20	ANT2&8	22.00	20.00	20.00	19.00	17.50	22.00	22.00	19.00	16.00	22.00	19.00	16.00
2.4G WLAN 802.11n40	ANT2&8	22.00	20.00	20.00	19.00	17.50	22.00	22.00	19.00	16.00	22.00	19.00	16.00
2.4G WLAN 802.11ac20	ANT2&8	22.00	20.00	20.00	19.00	17.50	22.00	22.00	19.00	16.00	22.00	19.00	16.00
2.4G WLAN 802.11ac40	ANT2&8	22.00	20.00	20.00	19.00	17.50	22.00	22.00	19.00	16.00	22.00	19.00	16.00
2.4G WLAN 802.11ax20	ANT2&8	22.00	20.00	20.00	19.00	17.50	22.00	22.00	19.00	16.00	22.00	19.00	16.00
2.4G WLAN 802.11ax40	ANT2&8	22.00	20.00	20.00	19.00	17.50	22.00	22.00	19.00	16.00	22.00	19.00	16.00
5.2G WLAN 802.11a	ANT2&7	22.00	22.00	22.00	22.00	17.50	22.00	18.00	18.00	15.00	18.00	18.00	15.00
5.2G WLAN 802.11n20	ANT2&7	22.00	22.00	22.00	22.00	17.50	22.00	18.00	18.00	15.00	18.00	18.00	15.00
5.2G WLAN 802.11n40	ANT2&7	22.00	22.00	22.00	22.00	17.50	22.00	18.00	18.00	15.00	18.00	18.00	15.00
5.2G WLAN 802.11ac20	ANT2&7	22.00	22.00	22.00	22.00	17.50	22.00	18.00	18.00	15.00	18.00	18.00	15.00
5.2G WLAN 802.11ac40	ANT2&7	22.00	22.00	22.00	22.00	17.50	22.00	18.00	18.00	15.00	18.00	18.00	15.00
5.2G WLAN 802.11ac80	ANT2&7	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
5.2G WLAN 802.11ax20	ANT2&7	22.00	22.00	22.00	22.00	17.50	22.00	18.00	18.00	15.00	18.00	18.00	15.00
5.2G WLAN 802.11ax40	ANT2&7	22.00	22.00	22.00	22.00	17.50	22.00	18.00	18.00	15.00	18.00	18.00	15.00
5.2G WLAN 802.11ax80	ANT2&7	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	15.00	16.00	16.00	15.00
5.3G WLAN 802.11a	ANT2&7	22.00	22.00	22.00	22.00	17.50	22.00	18.00	18.00	15.00	18.00	18.00	15.00
5.3G WLAN 802.11n20	ANT2&7	22.00	22.00	22.00	22.00	17.50	22.00	18.00	18.00	15.00	18.00	18.00	15.00

5.3G WLAN 802.11n40	ANT2&7	22.00	22.00	22.00	22.00	17.50	22.00	18.00	18.00	15.00	18.00	18.00	15.00
5.3G WLAN 802.11ac20	ANT2&7	22.00	22.00	22.00	22.00	17.50	22.00	18.00	18.00	15.00	18.00	18.00	15.00
5.3G WLAN 802.11ac40	ANT2&7	22.00	22.00	22.00	22.00	17.50	22.00	18.00	18.00	15.00	18.00	18.00	15.00
5.3G WLAN 802.11ac80	ANT2&7	17.50	13.00	13.00	13.00	17.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00
5.3G WLAN 802.11ax20	ANT2&7	22.00	22.00	22.00	22.00	17.50	22.00	18.00	18.00	15.00	18.00	18.00	15.00
5.3G WLAN 802.11ax40	ANT2&7	22.00	22.00	22.00	22.00	17.50	22.00	18.00	18.00	15.00	18.00	18.00	15.00
5.3G WLAN 802.11ax80	ANT2&7	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50
5.6G WLAN 802.11a	ANT2&7	22.00	22.00	21.00	21.00	16.50	22.00	19.50	19.50	17.00	19.50	19.50	17.00
5.6G WLAN 802.11n20	ANT2&7	22.00	22.00	21.00	21.00	16.50	22.00	19.50	19.50	17.00	19.50	19.50	17.00
5.6G WLAN 802.11n40	ANT2&7	22.00	22.00	21.00	21.00	16.50	22.00	19.50	19.50	17.00	19.50	19.50	17.00
5.6G WLAN 802.11ac20	ANT2&7	22.00	22.00	21.00	21.00	16.50	22.00	19.50	19.50	17.00	19.50	19.50	17.00
5.6G WLAN 802.11ac40	ANT2&7	22.00	22.00	21.00	21.00	16.50	22.00	19.50	19.50	17.00	19.50	19.50	17.00
5.6G WLAN 802.11ac80	ANT2&7	22.00	22.00	21.00	21.00	16.50	22.00	19.50	19.50	17.00	19.50	19.50	17.00
5.6G WLAN 802.11ax20	ANT2&7	22.00	22.00	21.00	21.00	16.50	22.00	19.50	19.50	17.00	19.50	19.50	17.00
5.6G WLAN 802.11ax40	ANT2&7	22.00	22.00	21.00	21.00	16.50	22.00	19.50	19.50	17.00	19.50	19.50	17.00
5.6G WLAN 802.11ax80	ANT2&7	22.00	22.00	21.00	21.00	16.50	22.00	19.50	19.50	17.00	19.50	19.50	17.00
5.8G WLAN 802.11a	ANT2&7	22.00	22.00	22.00	20.50	17.00	22.00	19.00	19.00	16.00	19.00	19.00	16.00
5.8G WLAN 802.11n20	ANT2&7	22.00	22.00	22.00	20.50	17.00	22.00	19.00	19.00	16.00	19.00	19.00	16.00
5.8G WLAN 802.11n40	ANT2&7	22.00	22.00	22.00	20.50	17.00	22.00	19.00	19.00	16.00	19.00	19.00	16.00
5.8G WLAN 802.11ac20	ANT2&7	22.00	22.00	22.00	20.50	17.00	22.00	19.00	19.00	16.00	19.00	19.00	16.00

5.8G WLAN 802.11ac40	ANT2&7	22.00	22.00	22.00	20.50	17.00	22.00	19.00	19.00	16.00	19.00	19.00	16.00
5.8G WLAN 802.11ac80	ANT2&7	22.00	22.00	22.00	20.50	17.00	22.00	19.00	19.00	16.00	19.00	19.00	16.00
5.8G WLAN 802.11ax20	ANT2&7	22.00	22.00	22.00	20.50	17.00	22.00	19.00	19.00	16.00	19.00	19.00	16.00
5.8G WLAN 802.11ax40	ANT2&7	22.00	22.00	22.00	20.50	17.00	22.00	19.00	19.00	16.00	19.00	19.00	16.00
5.8G WLAN 802.11ax80	ANT2&7	22.00	22.00	22.00	20.50	17.00	22.00	19.00	19.00	16.00	19.00	19.00	16.00

10 TEST EXCLUSION CONSIDERATION

Please refer the document “BL-SZ2320162-AA.pdf”.

10.1 SAR Test Exclusion Consideration Table

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

Antenna 0

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Front Side	Back Side	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<25mm	<25mm	>25mm	<25mm	>25mm	<25mm
	Data	30.50	1122.02	Yes	Yes	Yes	Yes	Yes	Yes
WCDMA Band 5	Distance to User			<25mm	<25mm	>25mm	<25mm	>25mm	<25mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 5	Distance to User			<25mm	<25mm	>25mm	<25mm	>25mm	<25mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 12	Distance to User			<25mm	<25mm	>25mm	<25mm	>25mm	<25mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 13	Distance to User			<25mm	<25mm	>25mm	<25mm	>25mm	<25mm
	QPSK	24.10	257.04	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 17	Distance to User			<25mm	<25mm	>25mm	<25mm	>25mm	<25mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 26	Distance to User			<25mm	<25mm	>25mm	<25mm	>25mm	<25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	Yes
SA n5	Distance to User			<25mm	<25mm	>25mm	<25mm	>25mm	<25mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	Yes	Yes	Yes
NSA n5	Distance to User			<25mm	<25mm	>25mm	<25mm	>25mm	<25mm
	DFT-s-OFDM QPSK	23.20	208.93	Yes	Yes	Yes	Yes	Yes	Yes

Antenna 1

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Front Side	Back Side	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	Data	30.50	1122.02	Yes	Yes	Yes	Yes	Yes	Yes
WCDMA Band 5	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 5	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 12	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	24.10	257.04	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 13	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	23.70	234.42	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 17	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	24.20	263.03	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 26	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	Yes
SA n5	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	Yes	Yes	Yes
NSA n5	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	23.70	234.42	Yes	Yes	Yes	Yes	Yes	Yes

Antenna 3

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Front Side	Back Side	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 1900	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	Data	27.50	562.34	Yes	Yes	Yes	Yes	Yes	Yes
WCDMA Band 2	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	RMC	24.00	251.19	Yes	Yes	Yes	Yes	Yes	Yes
WCDMA Band 4	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	RMC	24.00	251.19	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 2	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 4	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 7	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 66	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 38	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 41	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	Yes	Yes
SA n7	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	DFT-s-OFDM QPSK	19.70	93.33	Yes	Yes	Yes	Yes	Yes	Yes
SA n38	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	Yes	Yes	Yes
SA n41	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	DFT-s-OFDM QPSK	20.20	131.83	Yes	Yes	Yes	Yes	Yes	Yes
SA n66	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	DFT-s-OFDM QPSK	21.70	147.91	Yes	Yes	Yes	Yes	Yes	Yes
NSA n7	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	DFT-s-OFDM QPSK	18.20	66.07	Yes	Yes	Yes	Yes	Yes	Yes
NSA n41	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	DFT-s-OFDM QPSK	15.70	37.15	Yes	Yes	Yes	Yes	Yes	Yes
NSA n66	Distance to User			<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
	DFT-s-OFDM	21.20	131.83	Yes	Yes	Yes	Yes	Yes	Yes

	QPSK								
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Antenna 4

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Front Side	Back Side	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 1900	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	Data	26.00	398.11	Yes	Yes	Yes	Yes	Yes	Yes
WCDMA Band 2	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	RMC	24.00	251.19	Yes	Yes	Yes	Yes	Yes	Yes
WCDMA Band 4	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	RMC	24.00	251.19	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 2	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	21.50	141.25	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 4	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	22.50	177.83	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 7	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	19.50	89.13	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 66	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 38	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	22.00	158.49	Yes	Yes	Yes	Yes	Yes	Yes
LTE Band 41	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	QPSK	21.00	125.89	Yes	Yes	Yes	Yes	Yes	Yes
SA n7	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	20.70	117.49	Yes	Yes	Yes	Yes	Yes	Yes
SA n38	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	20.70	117.49	Yes	Yes	Yes	Yes	Yes	Yes
SA n41	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	20.20	104.71	Yes	Yes	Yes	Yes	Yes	Yes
SA n66	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	24.10	257.04	Yes	Yes	Yes	Yes	Yes	Yes
NSA n7	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	18.70	74.13	Yes	Yes	Yes	Yes	Yes	Yes
NSA n41	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	15.70	37.15	Yes	Yes	Yes	Yes	Yes	Yes

NSA n66	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	DFT-s-OFDM QPSK	22.60	181.97	Yes	Yes	Yes	Yes	Yes	Yes

Antenna 2

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Front	Back	Left	Right	Top	Bottom
				Side	Side	Edge	Edge	Edge	Edge
WLAN 2.4G (CH1)	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	802.11b	18.50	70.79	Yes	Yes	Yes	Yes	Yes	Yes
	802.11g	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	No	No	No	No	No	No
	VHT20	19.00	79.43	No	No	No	No	No	No
	VHT40	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE20)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE40)	19.00	79.43	No	No	No	No	No	No
WLAN 5.2G (CH0)	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	802.11a	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT80)	11.00	12.59	No	No	No	No	No	No
	802.11ax(HE20)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE40)	19.00	79.43	No	No	No	No	No	No
WLAN 5.3G (CH0)	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	802.11a	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT80)	10.00	10.00	No	No	No	No	No	No
	802.11ax(HE20)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE40)	19.00	79.43	No	No	No	No	No	No
WLAN 5.6G (CH0)	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	802.11a	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No

	802.11ac(VHT80)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE40)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE80)	19.00	79.43	No	No	No	No	No	No
WLAN 5.8G (CH0)	Distance to User			<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
	802.11a	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT20)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT80)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE40)	19.00	79.43	No	No	No	No	No	No
802.11ax(HE80)	19.00	79.43	No	No	No	No	No	No	

Antenna 7

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Front Side	Back Side	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 5.2G (CH1)	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT80)	11.00	12.59	No	No	No	No	No	No
	802.11ax(HE20)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE80)	13.00	19.95	No	No	No	No	No	No
WLAN 5.3G (CH1)	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ac(VHT20)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT80)	10.00	10.00	No	No	No	No	No	No
	802.11ax(HE20)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE80)	11.50	14.13	No	No	No	No	No	No
WLAN 5.6G (CH1)	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	No	No	No	No	No	No

	802.11ac(VHT20)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT80)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE40)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE80)	19.00	79.43	No	No	No	No	No	No
WLAN 5.8G (CH1)	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT20)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT40)	19.00	79.43	No	No	No	No	No	No
	802.11ac(VHT80)	19.00	79.43	Yes	Yes	Yes	Yes	Yes	Yes
	802.11ax(HE20)	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE40)	19.00	79.43	No	No	No	No	No	No
802.11ax(HE80)	19.00	79.43	No	No	No	No	No	No	

Antenna 8

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Front	Back	Left	Right	Top	Bottom
				Side	Side	Edge	Edge	Edge	Edge
WLAN 2.4G (CH0)	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11b	18.50	70.79	Yes	Yes	Yes	Yes	Yes	Yes
	802.11g	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	19.00	79.43	No	No	No	No	No	No
	VHT20	19.00	79.43	No	No	No	No	No	No
	VHT40	19.00	79.43	No	No	No	No	No	No
	802.11ax(HE20)	19.00	79.43	No	No	No	No	No	No
802.11ax(HE40)	19.00	79.43	No	No	No	No	No	No	
Bluetooth	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	BR+EDR	15.00	31.62	Yes	Yes	Yes	Yes	Yes	Yes
	BLE	7.00	5.01	No	No	No	No	No	No

Note:

1. Maximum power is the source-based time-average power and represents the maximum RF output power including tune-up tolerance among production units
2. Per KDB 447498 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:

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

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:

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

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 $\leq 1.2W/kg$, 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 D01 SAR test exclusion applies to the OFDM configuration.
 - b. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is $\leq 1.2 W/kg$.
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 $\leq 1.2 W/kg$, 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 $\leq 1.2 W/kg$, 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)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State2&4&6	GPRS	Left Cheek	0	190	836.6	-0.17	0.151	30.19	30.50	1.074	0.162	/
	State2&4&6		Left Tilt	0	190	836.6	-0.11	0.086	30.19	30.50	1.074	0.092	/
	State2&4&6	3slots	Right Cheek	0	190	836.6	-0.04	0.387	30.19	30.50	1.074	0.416	1#
	State2&4&6		Right Tilt	0	190	836.6	0.12	0.170	30.19	30.50	1.074	0.183	/
Ant.0	State2&4&6	GPRS	Left Cheek	0	190	836.6	-0.12	0.178	30.44	30.50	1.014	0.180	/
	State2&4&6		Left Tilt	0	190	836.6	-0.06	0.102	30.44	30.50	1.014	0.103	/
	State2&4&6	3slots	Right Cheek	0	190	836.6	0.02	0.164	30.44	30.50	1.014	0.166	/
	State2&4&6		Right Tilt	0	190	836.6	-0.16	0.096	30.44	30.50	1.014	0.097	/
Body-worn													
Ant.1	State1&3&5	GPRS	Front Side	15	190	836.6	0.13	0.044	30.19	30.50	1.074	0.047	/
	State1&3&5	3slots	Back Side	15	190	836.6	-0.14	0.063	30.19	30.50	1.074	0.068	/
Ant.0	State1&3&5	GPRS	Front Side	15	190	836.6	0.00	0.160	30.44	30.50	1.014	0.162	2#
	State1&3&5	3slots	Back Side	15	190	836.6	0.02	0.127	30.44	30.50	1.014	0.129	/
Hotspot													
Ant.1	State1&3&5	GPRS	Front Side	10	190	836.6	0.11	0.088	30.19	30.50	1.074	0.095	/
	State1&3&5		Back Side	10	190	836.6	-0.17	0.129	30.19	30.50	1.074	0.139	/
	State1&3&5	3slots	Left Edge	10	190	836.6	-0.15	0.011	30.19	30.50	1.074	0.012	/
	State1&3&5		Right Edge	10	190	836.6	0.02	0.161	30.19	30.50	1.074	0.173	/
	State1&3&5		Top Edge	10	190	836.6	-0.02	0.006	30.19	30.50	1.074	0.006	/
	State1&3&5		Bottom Edge	10	190	836.6	0.15	0.012	30.19	30.50	1.074	0.013	/
Ant.0	State1&3&5	GPRS	Front Side	10	190	836.6	-0.11	0.214	30.44	30.50	1.014	0.217	/
	State1&3&5		Back Side	10	190	836.6	-0.01	0.325	30.44	30.50	1.014	0.330	3#
	State1&3&5	3slots	Left Edge	10	190	836.6	-0.06	0.054	30.44	30.50	1.014	0.055	/
	State1&3&5		Right Edge	10	190	836.6	-0.15	0.185	30.44	30.50	1.014	0.188	/
	State1&3&5		Top Edge	10	190	836.6	-0.01	0.000	30.44	30.50	1.014	0.000	/
	State1&3&5		Bottom Edge	10	190	836.6	0.14	0.238	30.44	30.50	1.014	0.241	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.2GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	State2&4	GPRS 3slots	Left Cheek	0	810	1909.8	0.10	0.028	21.74	22.50	1.191	0.033	/
	State2&4		Left Tilt	0	810	1909.8	0.17	0.019	21.74	22.50	1.191	0.023	/
	State2&4		Right Cheek	0	810	1909.8	-0.17	0.541	21.74	22.50	1.191	0.644	/
	State2&4		Right Tilt	0	810	1909.8	0.02	0.765	21.74	22.50	1.191	0.911	4#
	State2&4			0	512	1850.2	0.03	0.674	21.28	22.50	1.324	0.892	/
	State2&4			0	661	1880	0.02	0.711	21.49	22.50	1.262	0.897	/
Ant.4	State6	GPRS 3slots	Left Cheek	0	512	1850.2	-0.10	0.022	20.78	21.50	1.180	0.026	/
	State6		Left Tilt	0	512	1850.2	-0.13	0.015	20.78	21.50	1.180	0.018	/
	State6		Right Cheek	0	512	1850.2	-0.11	0.430	20.78	21.50	1.180	0.507	/
	State6		Right Tilt	0	512	1850.2	0.16	0.573	20.78	21.50	1.180	0.676	/
Ant.3	State2&4&6	GPRS 3slots	Left Cheek	0	512	1850.2	-0.09	0.092	26.76	27.50	1.186	0.109	/
	State2&4&6		Left Tilt	0	512	1850.2	0.09	0.062	26.76	27.50	1.186	0.074	/
	State2&4&6		Right Cheek	0	512	1850.2	-0.16	0.087	26.76	27.50	1.186	0.103	/
	State2&4&6		Right Tilt	0	512	1850.2	0.07	0.057	26.76	27.50	1.186	0.068	/
Body-worn													
Ant.4	State1	GPRS	Front Side	15	512	1850.2	0.00	0.125	25.21	26.00	1.199	0.150	/
	State1	3slots	Back Side	15	512	1850.2	0.00	0.189	25.21	26.00	1.199	0.227	5#
Ant.4	State3&5	GPRS	Front Side	15	512	1850.2	0.15	0.088	23.73	24.50	1.194	0.105	/
	State3&5	3slots	Back Side	15	512	1850.2	0.09	0.103	23.73	24.50	1.194	0.123	/
Ant.3	State1&3	GPRS	Front Side	15	512	1850.2	0.02	0.123	25.44	26.50	1.276	0.157	/
	State1&3	3slots	Back Side	15	512	1850.2	0.02	0.143	25.44	26.50	1.276	0.182	/
Ant.3	State5	GPRS	Front Side	15	512	1850.2	0.03	0.087	23.92	25.00	1.282	0.112	/
	State5	3slots	Back Side	15	512	1850.2	0.13	0.101	23.92	25.00	1.282	0.129	/
Hotspot													
Ant.4	State3&5	GPRS 3slots	Front Side	10	512	1850.2	-0.17	0.171	23.73	24.50	1.194	0.204	/
	State3&5		Back Side	10	512	1850.2	-0.03	0.193	23.73	24.50	1.194	0.230	/
	State3&5		Left Edge	10	512	1850.2	0.02	0.101	23.73	24.50	1.194	0.121	/
	State3&5		Right Edge	10	512	1850.2	-0.19	0.036	23.73	24.50	1.194	0.043	/
	State3&5		Top Edge	10	512	1850.2	-0.09	0.432	23.73	24.50	1.194	0.516	/
	State3&5		Bottom Edge	10	512	1850.2	0.13	0.004	23.73	24.50	1.194	0.005	/
Ant.3	State1&3	GPRS 3slots	Front Side	10	512	1850.2	0.15	0.224	25.44	26.50	1.276	0.286	/
	State1&3		Back Side	10	512	1850.2	0.11	0.284	25.44	26.50	1.276	0.362	/
	State1&3		Left Edge	10	512	1850.2	0.15	0.080	25.44	26.50	1.276	0.102	/
	State1&3		Right Edge	10	512	1850.2	0.16	0.092	25.44	26.50	1.276	0.117	/
	State1&3		Top Edge	10	512	1850.2	-0.10	0.016	25.44	26.50	1.276	0.020	/
	State1&3		Bottom Edge	10	512	1850.2	-0.05	0.654	25.44	26.50	1.276	0.835	6#
	State1&3			10	661	1850.2	0.03	0.621	25.25	26.50	1.334	0.828	/
	State1&3			10	810	1850.2	0.01	0.574	25.01	26.50	1.409	0.809	/

Ant.3	State5	GPRS 3slots	Front Side	10	512	1850.2	-0.06	0.159	23.92	25.00	1.282	0.204	/
	State5		Back Side	10	512	1850.2	-0.06	0.201	23.92	25.00	1.282	0.258	/
	State5		Left Edge	10	512	1850.2	0.06	0.057	23.92	25.00	1.282	0.073	/
	State5		Right Edge	10	512	1850.2	0.12	0.065	23.92	25.00	1.282	0.083	/
	State5		Top Edge	10	512	1850.2	-0.17	0.011	23.92	25.00	1.282	0.014	/
	State5		Bottom Edge	10	512	1850.2	0.12	0.406	23.92	25.00	1.282	0.520	/

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

11.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	State2&4	RMC	Left Cheek	0	9400	1880	0.01	0.411	19.53	21.00	1.403	0.577	/
	State2&4		Left Tilt	0	9400	1880	-0.15	0.506	19.53	21.00	1.403	0.710	/
	State2&4		Right Cheek	0	9400	1880	-0.09	0.711	19.53	21.00	1.403	0.998	/
	State2&4		Right Tilt	0	9400	1880	0.01	0.534	19.53	21.00	1.403	0.749	/
	State2&4		Right Cheek	0	9262	1852.4	0.02	0.623	19.43	21.00	1.435	0.894	/
	State2&4		Right Cheek	0	9538	1907.6	0.01	0.732	19.52	21.00	1.406	1.029	7#
Ant.4	State6	RMC	Left Cheek	0	9400	1880	0.02	0.344	18.49	20.00	1.416	0.487	/
	State6		Left Tilt	0	9400	1880	-0.04	0.385	18.49	20.00	1.416	0.545	/
	State6		Right Cheek	0	9400	1880	0.06	0.543	18.49	20.00	1.416	0.769	/
	State6		Right Tilt	0	9400	1880	0.14	0.403	18.49	20.00	1.416	0.571	/
Ant.3	State2&4&6	RMC	Left Cheek	0	9400	1880	-0.07	0.068	23.37	24.00	1.156	0.079	/
	State2&4&6		Left Tilt	0	9400	1880	0.10	0.023	23.37	24.00	1.156	0.027	/
	State2&4&6		Right Cheek	0	9400	1880	0.02	0.075	23.37	24.00	1.156	0.087	/
	State2&4&6		Right Tilt	0	9400	1880	0.03	0.040	23.37	24.00	1.156	0.046	/
Body-worn													
Ant.4	State1&3&5	RMC	Front Side	15	9400	1880	-0.18	0.221	22.90	24.00	1.288	0.285	/
	State1&3&5		Back Side	15	9400	1880	0.00	0.255	22.90	24.00	1.288	0.328	8#
Ant.3	State1&3	RMC	Front Side	15	9400	1880	0.12	0.134	22.68	23.50	1.208	0.162	/
	State1&3		Back Side	15	9400	1880	0.17	0.197	22.68	23.50	1.208	0.238	/
Ant.3	State5	RMC	Front Side	15	9400	1880	-0.10	0.095	21.16	22.00	1.213	0.115	/
	State5		Back Side	15	9400	1880	-0.05	0.139	21.16	22.00	1.213	0.169	/
Hotspot													
Ant.4	State1&3&5	RMC	Front Side	10	9400	1880	0.16	0.343	21.13	22.50	1.371	0.470	/
	State1&3&5		Back Side	10	9400	1880	-0.03	0.334	21.13	22.50	1.371	0.458	/
	State1&3&5		Left Edge	10	9400	1880	0.19	0.102	21.13	22.50	1.371	0.140	/
	State1&3&5		Right Edge	10	9400	1880	-0.12	0.287	21.13	22.50	1.371	0.393	/
	State1&3&5		Top Edge	10	9400	1880	0.00	0.688	21.13	22.50	1.371	0.943	9#
	State1&3&5		Bottom Edge	10	9400	1880	-0.17	0.011	21.13	22.50	1.371	0.015	/
	State1&3&5		Top Edge	10	9262	1852.4	0.01	0.665	21.03	22.50	1.403	0.933	/
	State1&3&5		Top Edge	10	9538	1907.6	-0.04	0.659	21.08	22.50	1.387	0.914	/
Ant.3	State1&3	RMC	Front Side	10	9400	1880	0.01	0.241	22.68	23.50	1.208	0.291	/
	State1&3		Back Side	10	9400	1880	-0.10	0.323	22.68	23.50	1.208	0.390	/
	State1&3		Left Edge	10	9400	1880	-0.06	0.116	22.68	23.50	1.208	0.140	/
	State1&3		Right Edge	10	9400	1880	0.02	0.062	22.68	23.50	1.208	0.075	/
	State1&3		Top Edge	10	9400	1880	-0.17	0.006	22.68	23.50	1.208	0.007	/
	State1&3		Bottom Edge	10	9400	1880	-0.02	0.665	22.68	23.50	1.208	0.803	/
	State1&3			10	9262	1852.4	0.00	0.641	22.54	23.50	1.247	0.799	/
	State1&3			10	9538	1907.6	0.16	0.634	22.63	23.50	1.222	0.775	/

Ant.3	State 5	RMC	Front Side	10	9400	1880	0.19	0.182	21.16	22.00	1.213	0.221	/
	State 5		Back Side	10	9400	1880	0.02	0.232	21.16	22.00	1.213	0.281	/
	State 5		Left Edge	10	9400	1880	-0.02	0.074	21.16	22.00	1.213	0.090	/
	State 5		Right Edge	10	9400	1880	0.09	0.051	21.16	22.00	1.213	0.062	/
	State 5		Top Edge	10	9400	1880	0.14	0.002	21.16	22.00	1.213	0.002	/
	State 5		Bottom Edge	10	9400	1880	-0.13	0.488	21.16	22.00	1.213	0.592	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.4	State1&3&5	RMC	Top Edge	0	9400	1880	-0.07	1.730	21.13	22.50	1.371	2.372	10#
	State1&3&5			0	9262	1852.4	0.11	1.650	21.03	22.50	1.403	2.315	/
	State1&3&5			0	9538	1907.6	0.14	1.680	21.08	22.50	1.387	2.330	/

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

11.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.4	State2&4	RMC	Left Cheek	0	1513	1752.6	0.12	0.200	16.68	18.00	1.355	0.271	/
	State2&4		Left Tilt	0	1513	1752.6	0.12	0.264	16.68	18.00	1.355	0.358	/
	State2&4		Right Cheek	0	1513	1752.6	-0.08	0.311	16.68	18.00	1.355	0.421	/
	State2&4		Right Tilt	0	1312	1712.4	0.18	0.322	16.68	18.00	1.355	0.436	/
	State2&4			0	1412	1732.4	-0.10	0.347	16.68	18.00	1.355	0.470	/
	State2&4			0	1513	1752.6	0.01	0.370	16.68	18.00	1.355	0.501	11#
Ant.4	State6	RMC	Left Cheek	0	1513	1752.6	0.00	0.159	15.66	17.00	1.361	0.216	/
	State6		Left Tilt	0	1513	1752.6	0.08	0.210	15.66	17.00	1.361	0.286	/
	State6		Right Cheek	0	1513	1752.6	0.09	0.247	15.66	17.00	1.361	0.336	/
	State6		Right Tilt	0	1513	1752.6	0.16	0.255	15.66	17.00	1.361	0.347	/
Ant.3	State2&4&6	RMC	Left Cheek	0	1312	1712.4	-0.19	0.112	23.29	24.00	1.178	0.132	/
	State2&4&6		Left Tilt	0	1312	1712.4	-0.03	0.000	23.29	24.00	1.178	0.000	/
	State2&4&6		Right Cheek	0	1312	1712.4	0.18	0.119	23.29	24.00	1.178	0.140	/
	State2&4&6		Right Tilt	0	1312	1712.4	0.01	0.050	23.29	24.00	1.178	0.059	/
Body-worn													
Ant.4	State1	RMC	Front Side	15	1312	1712.4	-0.15	0.093	22.91	24.00	1.285	0.120	/
	State1		Back Side	15	1312	1712.4	0.04	0.103	22.91	24.00	1.285	0.132	/
Ant.4	State3&5	RMC	Front Side	15	1312	1712.4	0.03	0.062	21.60	23.00	1.380	0.086	/
	State3&5		Back Side	15	1312	1712.4	0.11	0.067	21.60	23.00	1.380	0.092	/
Ant.3	State1&3	RMC	Front Side	15	1312	1712.4	0.09	0.121	21.11	22.00	1.227	0.148	/
	State1&3		Back Side	15	1312	1712.4	-0.02	0.159	21.11	22.00	1.227	0.195	12#
Ant.3	State5	RMC	Front Side	15	1312	1712.4	0.16	0.076	19.05	20.00	1.245	0.095	/
	State5		Back Side	15	1312	1712.4	0.11	0.107	19.05	20.00	1.245	0.133	/
Hotspot													
Ant.4	State3&5	RMC	Front Side	10	1312	1712.4	0.06	0.121	21.60	23.00	1.380	0.167	/
	State3&5		Back Side	10	1312	1712.4	0.18	0.137	21.60	23.00	1.380	0.189	/
	State3&5		Left Edge	10	1312	1712.4	0.08	0.030	21.60	23.00	1.380	0.041	/
	State3&5		Right Edge	10	1312	1712.4	0.18	0.065	21.60	23.00	1.380	0.090	/
	State3&5		Top Edge	10	1312	1712.4	0.02	0.262	21.60	23.00	1.380	0.362	/
	State3&5		Bottom Edge	10	1312	1712.4	0.10	0.013	21.60	23.00	1.380	0.018	/
Ant.3	State1&3	RMC	Front Side	10	1312	1712.4	0.11	0.333	21.11	22.00	1.227	0.409	/
	State1&3		Back Side	10	1312	1712.4	0.02	0.398	21.11	22.00	1.227	0.488	/
	State1&3		Left Edge	10	1312	1712.4	-0.17	0.112	21.11	22.00	1.227	0.137	/
	State1&3		Right Edge	10	1312	1712.4	-0.08	0.085	21.11	22.00	1.227	0.104	/
	State1&3		Top Edge	10	1312	1712.4	-0.17	0.023	21.11	22.00	1.227	0.028	/
	State1&3		Bottom Edge	10	1312	1712.4	0.01	0.779	21.11	22.00	1.227	0.956	13#
	State1&3			10	1412	1732.4	0.03	0.711	21.08	22.00	1.236	0.879	/
	State1&3			10	1513	1752.6	0.08	0.734	20.98	22.00	1.265	0.929	/

Ant.3	State5	RMC	Front Side	10	1312	1712.4	0.05	0.210	19.05	20.00	1.245	0.261	/
	State5		Back Side	10	1312	1712.4	-0.04	0.251	19.05	20.00	1.245	0.312	/
	State5		Left Edge	10	1312	1712.4	0.04	0.070	19.05	20.00	1.245	0.087	/
	State5		Right Edge	10	1312	1712.4	-0.03	0.054	19.05	20.00	1.245	0.067	/
	State5		Top Edge	10	1312	1712.4	0.14	0.015	19.05	20.00	1.245	0.019	/
	State5		Bottom Edge	10	1312	1712.4	0.05	0.502	19.05	20.00	1.245	0.625	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.3	State1&3	RMC	Bottom Edge	0	1312	1712.4	-0.05	1.590	21.11	22.00	1.227	1.951	14#
	State1&3			0	1412	1732.4	0.03	1.440	21.08	22.00	1.236	1.780	/
	State1&3			0	1513	1752.6	0.01	1.530	20.98	22.00	1.265	1.935	/

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

11.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State2&4&6	RMC	Left Cheek	0	4132	826.4	-0.09	0.112	23.40	24.50	1.288	0.144	/
	State2&4&6		Left Tilt	0	4132	826.4	-0.01	0.063	23.40	24.50	1.288	0.081	/
	State2&4&6		Right Cheek	0	4132	826.4	0.01	0.232	23.40	24.50	1.288	0.299	15#
	State2&4&6		Right Tilt	0	4132	826.4	-0.13	0.124	23.40	24.50	1.288	0.160	/
Ant.0	State2&4&6	RMC	Left Cheek	0	4182	836.4	0.11	0.101	23.68	24.50	1.208	0.122	/
	State2&4&6		Left Tilt	0	4182	836.4	0.19	0.058	23.68	24.50	1.208	0.070	/
	State2&4&6		Right Cheek	0	4182	836.4	0.00	0.074	23.68	24.50	1.208	0.089	/
	State2&4&6		Right Tilt	0	4182	836.4	-0.02	0.034	23.68	24.50	1.208	0.041	/
Body-worn													
Ant.1	State1&3&5	RMC	Front Side	15	4182	836.4	-0.18	0.048	23.40	24.50	1.288	0.062	/
	State1&3&5		Back Side	15	4182	836.4	-0.05	0.068	23.40	24.50	1.288	0.088	/
Ant.0	State1&3&5	RMC	Front Side	15	4182	836.4	-0.16	0.081	23.68	24.50	1.208	0.098	/
	State1&3&5		Back Side	15	4182	836.4	-0.02	0.113	23.68	24.50	1.208	0.137	16#
Hotspot													
Ant.1	State1&3&5	RMC	Front Side	10	4182	836.4	-0.09	0.097	23.40	24.50	1.288	0.125	/
	State1&3&5		Back Side	10	4182	836.4	0.12	0.128	23.40	24.50	1.288	0.165	/
	State1&3&5		Left Edge	10	4182	836.4	0.17	0.023	23.40	24.50	1.288	0.030	/
	State1&3&5		Right Edge	10	4182	836.4	0.00	0.177	23.40	24.50	1.288	0.228	/
	State1&3&5		Top Edge	10	4182	836.4	-0.02	0.011	23.40	24.50	1.288	0.014	/
	State1&3&5		Bottom Edge	10	4182	836.4	-0.14	0.008	23.40	24.50	1.288	0.010	/
Ant.0	State1&3&5	RMC	Front Side	10	4182	836.4	-0.14	0.141	23.68	24.50	1.208	0.170	/
	State1&3&5		Back Side	10	4182	836.4	-0.02	0.202	23.68	24.50	1.208	0.244	17#
	State1&3&5		Left Edge	10	4182	836.4	-0.14	0.064	23.68	24.50	1.208	0.077	/
	State1&3&5		Right Edge	10	4182	836.4	0.16	0.127	23.68	24.50	1.208	0.153	/
	State1&3&5		Top Edge	10	4182	836.4	0.16	0.001	23.68	24.50	1.208	0.001	/
	State1&3&5		Bottom Edge	10	4182	836.4	0.05	0.150	23.68	24.50	1.208	0.181	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.6LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	State2&4&6	QPSK	Left Cheek	0	18900	1880	1	LOW	0.07	0.336	16.83	17.50	1.167	0.392	/
	State2&4&6			0	18900	1880	50	HIGH	0.04	0.365	16.84	17.50	1.164	0.425	/
	State2&4&6		Left Tilt	0	18900	1880	1	LOW	-0.11	0.406	16.83	17.50	1.167	0.474	/
	State2&4&6			0	18900	1880	50	HIGH	-0.07	0.432	16.84	17.50	1.164	0.503	/
	State2&4&6		Right Cheek	0	18900	1880	1	LOW	-0.15	0.565	16.83	17.50	1.167	0.659	/
	State2&4&6			0	18900	1880	50	HIGH	0.11	0.606	16.84	17.50	1.164	0.705	/
	State2&4&6		Right Tilt	0	18900	1880	1	LOW	-0.02	0.640	16.83	17.50	1.167	0.747	18#
	State2&4&6			0	18900	1880	50	HIGH	0.01	0.615	16.84	17.50	1.164	0.716	/
Ant.4(ENDC)	State2&4&6	QPSK	Left Cheek	0	19100	1900	1	HIGH	-0.03	0.405	16.92	17.50	1.143	0.463	/
	State2&4&6			0	19100	1900	50	MID	0.18	0.411	16.90	17.50	1.148	0.472	/
	State2&4&6		Left Tilt	0	19100	1900	1	HIGH	0.02	0.446	16.92	17.50	1.143	0.510	/
	State2&4&6			0	19100	1900	50	MID	0.01	0.454	16.90	17.50	1.148	0.521	/
	State2&4&6		Right Cheek	0	19100	1900	1	HIGH	-0.03	0.622	16.92	17.50	1.143	0.711	/
	State2&4&6			0	19100	1900	50	MID	0.16	0.644	16.90	17.50	1.148	0.739	/
	State2&4&6		Right Tilt	0	19100	1900	1	HIGH	-0.17	0.611	16.92	17.50	1.143	0.698	/
	State2&4&6			0	19100	1900	50	MID	0.01	0.623	16.90	17.50	1.148	0.715	/
Ant.3	State2&4&6	QPSK	Left Cheek	0	18900	1880	1	LOW	0.01	0.078	23.49	23.50	1.002	0.078	/
	State2&4&6			0	18900	1880	50	MID	0.15	0.079	22.47	22.50	1.007	0.080	/
	State2&4&6		Left Tilt	0	18900	1880	1	LOW	0.02	0.012	23.49	23.50	1.002	0.012	/
	State2&4&6			0	18900	1880	50	MID	-0.05	0.011	22.47	22.50	1.007	0.011	/
	State2&4&6		Right Cheek	0	18900	1880	1	LOW	0.04	0.074	23.49	23.50	1.002	0.074	/
	State2&4&6			0	18900	1880	50	MID	0.15	0.056	22.47	22.50	1.007	0.056	/
	State2&4&6		Right Tilt	0	18900	1880	1	LOW	0.10	0.041	23.49	23.50	1.002	0.041	/
	State2&4&6			0	18900	1880	50	MID	0.06	0.031	22.47	22.50	1.007	0.031	/
Body-worn															
Ant.4	State1&3&5	QPSK	Front Side	15	19100	1900	1	LOW	-0.05	0.231	20.73	21.50	1.194	0.276	/
	State1&3&5			15	19100	1900	50	MID	0.04	0.241	20.73	21.50	1.194	0.288	/
	State1&3&5		Back Side	15	19100	1900	1	LOW	0.15	0.255	20.73	21.50	1.194	0.304	/
	State1&3&5			15	19100	1900	50	MID	-0.01	0.271	20.73	21.50	1.194	0.324	19#
Ant.4(ENDC)	State1&3&5	QPSK	Front Side	15	19100	1900	1	MID	0.17	0.099	18.83	19.00	1.040	0.103	/
	State1&3&5			15	19100	1900	50	LOW	0.02	0.098	18.82	19.00	1.042	0.102	/
	State1&3&5		Back Side	15	19100	1900	1	MID	-0.08	0.105	18.83	19.00	1.040	0.109	/
	State1&3&5			15	19100	1900	50	LOW	0.15	0.107	18.82	19.00	1.042	0.111	/
Ant.3	State1&3&5	QPSK	Front Side	15	18900	1880	1	LOW	-0.03	0.146	21.32	21.50	1.042	0.152	/
	State1&3&5			15	18900	1880	50	MID	-0.16	0.114	21.37	21.50	1.030	0.117	/
	State1&3&5		Back Side	15	18900	1880	1	LOW	0.09	0.182	21.32	21.50	1.042	0.190	/
	State1&3&5			15	18900	1880	50	MID	0.04	0.142	21.37	21.50	1.030	0.146	/

Hotspot															
Ant.4	State1&3&5	QPSK	Front Side	10	19100	1900	1	LOW	0.07	0.302	20.73	21.50	1.194	0.361	/
	State1&3&5			10	19100	1900	50	MID	-0.10	0.323	20.73	21.50	1.194	0.386	/
	State1&3&5		Back Side	10	19100	1900	1	LOW	-0.02	0.331	20.73	21.50	1.194	0.395	/
	State1&3&5			10	19100	1900	50	MID	-0.01	0.342	20.73	21.50	1.194	0.408	/
	State1&3&5		Left Edge	10	19100	1900	1	LOW	-0.11	0.061	20.73	21.50	1.194	0.073	/
	State1&3&5			10	19100	1900	50	MID	0.19	0.053	20.73	21.50	1.194	0.063	/
	State1&3&5		Right Edge	10	19100	1900	1	LOW	-0.09	0.261	20.73	21.50	1.194	0.312	/
	State1&3&5			10	19100	1900	50	MID	-0.14	0.262	20.73	21.50	1.194	0.313	/
	State1&3&5		Top Edge	10	19100	1900	1	LOW	-0.02	0.628	20.73	21.50	1.194	0.750	20#
	State1&3&5			10	19100	1900	50	MID	0.00	0.611	20.73	21.50	1.194	0.730	/
	State1&3&5		Bottom Edge	10	19100	1900	1	LOW	-0.02	0.011	20.73	21.50	1.194	0.013	/
	State1&3&5			10	19100	1900	50	MID	0.09	0.009	20.73	21.50	1.194	0.011	/
Ant.4(ENDC)	State1&3&5	QPSK	Front Side	10	19100	1900	1	MID	0.15	0.180	18.83	19.00	1.040	0.187	/
	State1&3&5			10	19100	1900	50	LOW	-0.12	0.188	18.82	19.00	1.042	0.196	/
	State1&3&5		Back Side	10	19100	1900	1	MID	0.01	0.191	18.83	19.00	1.040	0.199	/
	State1&3&5			10	19100	1900	50	LOW	0.09	0.198	18.82	19.00	1.042	0.206	/
	State1&3&5		Left Edge	10	19100	1900	1	MID	0.15	0.035	18.83	19.00	1.040	0.036	/
	State1&3&5			10	19100	1900	50	LOW	-0.05	0.035	18.82	19.00	1.042	0.036	/
	State1&3&5		Right Edge	10	19100	1900	1	MID	-0.06	0.155	18.83	19.00	1.040	0.161	/
	State1&3&5			10	19100	1900	50	LOW	-0.05	0.157	18.82	19.00	1.042	0.164	/
	State1&3&5		Top Edge	10	19100	1900	1	MID	-0.11	0.383	18.83	19.00	1.040	0.398	/
	State1&3&5			10	19100	1900	50	LOW	0.18	0.394	18.82	19.00	1.042	0.411	/
	State1&3&5		Bottom Edge	10	19100	1900	1	MID	0.00	0.006	18.83	19.00	1.040	0.006	/
	State1&3&5			10	19100	1900	50	LOW	-0.03	0.005	18.82	19.00	1.042	0.005	/
Ant.3	State1&3&5	QPSK	Front Side	10	18900	1880	1	LOW	-0.17	0.175	21.32	21.50	1.042	0.182	/
	State1&3&5			10	18900	1880	50	MID	-0.12	0.163	21.37	21.50	1.030	0.168	/
	State1&3&5		Back Side	10	18900	1880	1	LOW	0.08	0.253	21.32	21.50	1.042	0.264	/
	State1&3&5			10	18900	1880	50	MID	-0.17	0.198	21.37	21.50	1.030	0.204	/
	State1&3&5		Left Edge	10	18900	1880	1	LOW	-0.05	0.076	21.32	21.50	1.042	0.079	/
	State1&3&5			10	18900	1880	50	MID	-0.05	0.062	21.37	21.50	1.030	0.064	/
	State1&3&5		Right Edge	10	18900	1880	1	LOW	-0.11	0.040	21.32	21.50	1.042	0.042	/
	State1&3&5			10	18900	1880	50	MID	-0.17	0.034	21.37	21.50	1.030	0.035	/
	State1&3&5		Top Edge	10	18900	1880	1	LOW	-0.11	0.011	21.32	21.50	1.042	0.011	/
	State1&3&5			10	18900	1880	50	MID	0.01	0.012	21.37	21.50	1.030	0.012	/
	State1&3&5		Bottom Edge	10	18900	1880	1	LOW	0.00	0.602	21.32	21.50	1.042	0.627	/
	State1&3&5			10	18900	1880	50	MID	-0.02	0.425	21.37	21.50	1.030	0.438	/

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

11.7LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	State2&4	QPSK	Left Cheek	0	20175	1732.5	1	HIGH	0.06	0.091	16.09	17.50	1.384	0.126	/
	State2&4			0	20175	1732.5	50	LOW	0.14	0.088	16.10	17.50	1.380	0.121	/
	State2&4		Left Tilt	0	20175	1732.5	1	HIGH	-0.18	0.118	16.09	17.50	1.384	0.163	/
	State2&4			0	20175	1732.5	50	LOW	0.05	0.116	16.10	17.50	1.380	0.160	/
	State2&4		Right Cheek	0	20175	1732.5	1	HIGH	0.04	0.161	16.09	17.50	1.384	0.223	/
	State2&4			0	20175	1732.5	50	LOW	-0.13	0.154	16.10	17.50	1.380	0.213	/
	State2&4		Right Tilt	0	20175	1732.5	1	HIGH	-0.13	0.162	16.09	17.50	1.384	0.224	/
	State2&4			0	20175	1732.5	50	LOW	0.02	0.165	16.10	17.50	1.380	0.228	21#
Ant.4	State6	QPSK	Left Cheek	0	20175	1732.5	1	HIGH	-0.17	0.081	15.04	16.50	1.400	0.113	/
	State6			0	20175	1732.5	50	LOW	-0.15	0.079	15.01	16.50	1.409	0.111	/
	State6		Left Tilt	0	20175	1732.5	1	HIGH	-0.11	0.112	15.04	16.50	1.400	0.157	/
	State6			0	20175	1732.5	50	LOW	0.08	0.106	15.01	16.50	1.409	0.149	/
	State6		Right Cheek	0	20175	1732.5	1	HIGH	0.18	0.120	15.04	16.50	1.400	0.168	/
	State6			0	20175	1732.5	50	LOW	-0.10	0.126	15.01	16.50	1.409	0.178	/
	State6		Right Tilt	0	20175	1732.5	1	HIGH	-0.19	0.155	15.04	16.50	1.400	0.217	/
	State6			0	20175	1732.5	50	LOW	-0.02	0.147	15.01	16.50	1.409	0.207	/
Ant.3	State2&4&6	QPSK	Left Cheek	0	20175	1732.5	1	HIGH	-0.14	0.145	23.46	23.50	1.009	0.146	/
	State2&4&6			0	20175	1732.5	50	MID	-0.01	0.114	22.49	22.50	1.002	0.114	/
	State2&4&6		Left Tilt	0	20175	1732.5	1	HIGH	-0.18	0.069	23.46	23.50	1.009	0.070	/
	State2&4&6			0	20175	1732.5	50	MID	-0.14	0.055	22.49	22.50	1.002	0.055	/
	State2&4&6		Right Cheek	0	20175	1732.5	1	HIGH	0.19	0.130	23.46	23.50	1.009	0.131	/
	State2&4&6			0	20175	1732.5	50	MID	0.10	0.105	22.49	22.50	1.002	0.105	/
	State2&4&6		Right Tilt	0	20175	1732.5	1	HIGH	0.16	0.067	23.46	23.50	1.009	0.068	/
	State2&4&6			0	20175	1732.5	50	MID	-0.19	0.057	22.49	22.50	1.002	0.057	/
Body-worn															
Ant.4	State1	QPSK	Front Side	15	20175	1732.5	1	HIGH	0.01	0.068	22.29	22.50	1.050	0.071	/
	State1			15	20175	1732.5	50	MID	-0.04	0.061	21.33	22.50	1.309	0.080	/
	State1		Back Side	15	20175	1732.5	1	HIGH	0.03	0.063	22.29	22.50	1.050	0.066	/
	State1			15	20175	1732.5	50	MID	-0.08	0.065	21.33	22.50	1.309	0.085	/
Ant.4	State3&5	QPSK	Front Side	15	20175	1732.5	1	HIGH	0.03	0.035	19.12	20.50	1.374	0.048	/
	State3&5			15	20175	1732.5	50	MID	-0.03	0.031	19.10	20.50	1.380	0.043	/
	State3&5		Back Side	15	20175	1732.5	1	HIGH	0.03	0.042	19.12	20.50	1.374	0.058	/
	State3&5			15	20175	1732.5	50	MID	0.07	0.038	19.10	20.50	1.380	0.052	/
Ant.3	State1&3	QPSK	Front Side	15	20175	1732.5	1	HIGH	-0.14	0.171	21.30	21.50	1.047	0.179	/
	State1&3			15	20175	1732.5	50	MID	0.10	0.166	21.31	21.50	1.045	0.173	/
	State1&3		Back Side	15	20175	1732.5	1	HIGH	-0.02	0.209	21.30	21.50	1.047	0.219	22#
	State1&3			15	20175	1732.5	50	MID	-0.10	0.201	21.31	21.50	1.045	0.210	/

Ant.3	State5	QPSK	Front Side	15	20175	1732.5	1	HIGH	-0.15	0.131	19.80	20.00	1.047	0.137	/
	State5			15	20175	1732.5	50	MID	0.11	0.128	19.77	20.00	1.054	0.135	/
	State5		Back Side	15	20175	1732.5	1	HIGH	0.16	0.192	19.80	20.00	1.047	0.201	/
	State5			15	20175	1732.5	50	MID	0.16	0.177	19.77	20.00	1.054	0.187	/
Hotspot															
Ant.4	State3&5	QPSK	Front Side	10	20175	1732.5	1	HIGH	0.19	0.061	19.12	20.50	1.374	0.084	/
	State3&5			10	20175	1732.5	50	MID	-0.15	0.055	19.10	20.50	1.380	0.076	/
	State3&5		Back Side	10	20175	1732.5	1	HIGH	0.05	0.075	19.12	20.50	1.374	0.103	/
	State3&5			10	20175	1732.5	50	MID	-0.10	0.072	19.10	20.50	1.380	0.099	/
	State3&5		Left Edge	10	20175	1732.5	1	HIGH	-0.04	0.015	19.12	20.50	1.374	0.021	/
	State3&5			10	20175	1732.5	50	MID	-0.12	0.013	19.10	20.50	1.380	0.018	/
	State3&5		Right Edge	10	20175	1732.5	1	HIGH	0.08	0.033	19.12	20.50	1.374	0.045	/
	State3&5			10	20175	1732.5	50	MID	-0.04	0.031	19.10	20.50	1.380	0.043	/
	State3&5		Top Edge	10	20175	1732.5	1	HIGH	0.08	0.131	19.12	20.50	1.374	0.180	/
	State3&5			10	20175	1732.5	50	MID	0.19	0.134	19.10	20.50	1.380	0.185	/
	State3&5		Bottom Edge	10	20175	1732.5	1	HIGH	0.15	0.007	19.12	20.50	1.374	0.010	/
	State3&5			10	20175	1732.5	50	MID	-0.05	0.006	19.10	20.50	1.380	0.008	/
Ant.3	State1&3	QPSK	Front Side	10	20175	1732.5	1	HIGH	-0.09	0.366	21.30	21.50	1.047	0.383	/
	State1&3			10	20175	1732.5	50	MID	0.04	0.361	21.31	21.50	1.045	0.377	/
	State1&3		Back Side	10	20175	1732.5	1	HIGH	0.05	0.416	21.30	21.50	1.047	0.436	/
	State1&3			10	20175	1732.5	50	MID	0.06	0.423	21.31	21.50	1.045	0.442	/
	State1&3		Left Edge	10	20175	1732.5	1	HIGH	0.01	0.141	21.30	21.50	1.047	0.148	/
	State1&3			10	20175	1732.5	50	MID	0.03	0.135	21.31	21.50	1.045	0.141	/
	State1&3		Right Edge	10	20175	1732.5	1	HIGH	0.11	0.095	21.30	21.50	1.047	0.099	/
	State1&3			10	20175	1732.5	50	MID	0.11	0.091	21.31	21.50	1.045	0.095	/
	State1&3		Top Edge	10	20175	1732.5	1	HIGH	-0.11	0.015	21.30	21.50	1.047	0.016	/
	State1&3			10	20175	1732.5	50	MID	0.18	0.013	21.31	21.50	1.045	0.014	/
	State1&3		Bottom Edge	10	20175	1732.5	1	HIGH	0.14	0.765	21.30	21.50	1.047	0.801	/
	State1&3			10	20175	1732.5	50	MID	0.18	0.754	21.31	21.50	1.045	0.788	/
	State1&3			10	20050	1720	1	MID	-0.07	0.688	21.24	21.50	1.062	0.731	/
	State1&3			10	20050	1720	50	HIGH	0.14	0.806	21.29	21.50	1.050	0.846	/
	State1&3			10	20300	1745	1	MID	-0.06	0.811	21.24	21.50	1.062	0.861	/
	State1&3			10	20300	1745	50	MID	0.01	0.823	21.28	21.50	1.052	0.866	23#
State1&3	10	20300	1745	100	LOW	0.14	0.711	21.29	21.50	1.050	0.747	/			
Ant.3	State5	QPSK	Front Side	10	20175	1732.5	1	HIGH	0.00	0.261	19.80	20.00	1.047	0.273	/
	State5			10	20175	1732.5	50	MID	-0.11	0.253	19.77	20.00	1.054	0.267	/
	State5		Back Side	10	20175	1732.5	1	HIGH	0.13	0.288	19.80	20.00	1.047	0.302	/
	State5			10	20175	1732.5	50	MID	0.06	0.282	19.77	20.00	1.054	0.297	/
	State5		Left Edge	10	20175	1732.5	1	HIGH	0.02	0.112	19.80	20.00	1.047	0.117	/
	State5			10	20175	1732.5	50	MID	-0.19	0.108	19.77	20.00	1.054	0.114	/
	State5		Right Edge	10	20175	1732.5	1	HIGH	-0.07	0.073	19.80	20.00	1.047	0.076	/
	State5			10	20175	1732.5	50	MID	-0.05	0.071	19.77	20.00	1.054	0.075	/
	State5		Top Edge	10	20175	1732.5	1	HIGH	0.09	0.008	19.80	20.00	1.047	0.008	/

	State5	Bottom Edge	10	20175	1732.5	50	MID	0.03	0.009	19.77	20.00	1.054	0.009	/
	State5		10	20175	1732.5	1	HIGH	0.01	0.533	19.80	20.00	1.047	0.558	/
	State5		10	20175	1732.5	50	MID	0.09	0.528	19.77	20.00	1.054	0.557	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
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Specific

Ant.3	State1&3	QPSK	Bottom Edge	0	20175	1732.5	1	HIGH	-0.09	1.060	21.30	23.50	1.660	1.760	24#
	State1&3			0	20175	1732.5	50	MID	0.06	1.010	21.31	23.50	1.656	1.673	/

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

11.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2&4&6	QPSK	Left Cheek	0	20600	844	1	MID	0.05	0.114	23.25	24.50	1.334	0.152	/
	State2&4&6			0	20600	844	25	LOW	-0.12	0.122	22.23	23.50	1.340	0.163	/
	State2&4&6		Left Tilt	0	20600	844	1	MID	-0.08	0.065	23.25	24.50	1.334	0.087	/
	State2&4&6			0	20600	844	25	LOW	0.06	0.070	22.23	23.50	1.340	0.094	/
	State2&4&6		Right Cheek	0	20600	844	1	MID	-0.08	0.256	23.25	24.50	1.334	0.342	25#
	State2&4&6			0	20600	844	25	LOW	-0.01	0.232	22.23	23.50	1.340	0.311	/
	State2&4&6		Right Tilt	0	20600	844	1	MID	0.04	0.134	23.25	24.50	1.334	0.179	/
	State2&4&6			0	20600	844	25	LOW	-0.03	0.121	22.23	23.50	1.340	0.162	/
Ant.0	State2&4&6	QPSK	Left Cheek	0	20525	836.5	1	LOW	-0.15	0.114	23.50	24.50	1.259	0.144	/
	State2&4&6			0	20525	836.5	25	MID	-0.18	0.100	22.49	23.50	1.262	0.126	/
	State2&4&6		Left Tilt	0	20525	836.5	1	LOW	0.12	0.062	23.50	24.50	1.259	0.078	/
	State2&4&6			0	20525	836.5	25	MID	0.03	0.055	22.49	23.50	1.262	0.069	/
	State2&4&6		Right Cheek	0	20525	836.5	1	LOW	0.16	0.079	23.50	24.50	1.259	0.099	/
	State2&4&6			0	20525	836.5	25	MID	0.00	0.078	22.49	23.50	1.262	0.098	/
	State2&4&6		Right Tilt	0	20525	836.5	1	LOW	-0.10	0.023	23.50	24.50	1.259	0.029	/
	State2&4&6			0	20525	836.5	25	MID	0.19	0.016	22.49	23.50	1.262	0.020	/
Body-worn															
Ant.1	State1&3&5	QPSK	Front Side	15	20525	836.5	1	MID	0.02	0.034	23.25	24.50	1.334	0.045	/
	State1&3&5			15	20525	836.5	25	LOW	0.00	0.028	22.23	24.50	1.687	0.047	/
	State1&3&5		Back Side	15	20525	836.5	1	MID	0.04	0.048	23.25	24.50	1.334	0.064	/
	State1&3&5			15	20525	836.5	25	LOW	0.03	0.040	22.23	24.50	1.687	0.067	/
Ant.0	State1&3&5	QPSK	Front Side	15	20525	836.5	1	LOW	0.13	0.081	23.50	24.50	1.259	0.102	/
	State1&3&5			15	20525	836.5	25	MID	0.04	0.077	22.49	23.50	1.262	0.097	/
	State1&3&5		Back Side	15	20525	836.5	1	LOW	-0.02	0.099	23.50	24.50	1.259	0.125	26#
	State1&3&5			15	20525	836.5	25	MID	0.03	0.077	22.49	23.50	1.262	0.097	/
Ant.0(ENDC)	State1&3&5	QPSK	Front Side	15	20450	829	1	LOW	-0.01	0.041	21.01	21.50	1.119	0.046	/
	State1&3&5			15	20450	829	25	HIGH	0.01	0.030	21.02	21.50	1.117	0.034	/
	State1&3&5		Back Side	15	20450	829	1	LOW	0.12	0.043	21.01	21.50	1.119	0.048	/
	State1&3&5			15	20450	829	25	HIGH	-0.12	0.039	21.02	21.50	1.117	0.044	/
Hotspot															
Ant.1	State1&3&5	QPSK	Front Side	10	20525	836.5	1	MID	-0.02	0.068	23.25	24.50	1.334	0.091	/
	State1&3&5			10	20525	836.5	25	LOW	0.03	0.055	22.23	24.50	1.687	0.093	/
	State1&3&5		Back Side	10	20525	836.5	1	MID	-0.02	0.082	23.25	24.50	1.334	0.109	/
	State1&3&5			10	20525	836.5	25	LOW	-0.04	0.081	22.23	24.50	1.687	0.137	/
	State1&3&5		Left Edge	10	20525	836.5	1	MID	-0.19	0.023	23.25	24.50	1.334	0.031	/
	State1&3&5			10	20525	836.5	25	LOW	-0.13	0.018	22.23	24.50	1.687	0.030	/
	State1&3&5		Right Edge	10	20525	836.5	1	MID	-0.10	0.097	23.25	24.50	1.334	0.129	/
	State1&3&5			10	20525	836.5	25	LOW	-0.10	0.097	23.25	24.50	1.334	0.129	/

	State1&3&5			10	20525	836.5	25	LOW	0.07	0.093	22.23	24.50	1.687	0.157	/
	State1&3&5	Top Edge		10	20525	836.5	1	MID	0.10	0.017	23.25	24.50	1.334	0.023	/
	State1&3&5			10	20525	836.5	25	LOW	-0.11	0.011	22.23	24.50	1.687	0.019	/
	State1&3&5	Bottom Edge		10	20525	836.5	1	MID	0.01	0.013	23.25	24.50	1.334	0.017	/
	State1&3&5			10	20525	836.5	25	LOW	-0.09	0.009	22.23	24.50	1.687	0.015	/
Ant.0	State1&3&5	Front Side		10	20525	836.5	1	LOW	-0.01	0.144	23.50	24.50	1.259	0.181	/
	State1&3&5			10	20525	836.5	25	MID	-0.01	0.114	22.49	23.50	1.262	0.144	/
	State1&3&5	Back Side		10	20525	836.5	1	LOW	0.00	0.184	23.50	24.50	1.259	0.232	27#
	State1&3&5			10	20525	836.5	25	MID	0.04	0.146	22.49	23.50	1.262	0.184	/
	State1&3&5	Left Edge		10	20525	836.5	1	LOW	0.01	0.043	23.50	24.50	1.259	0.054	/
	State1&3&5			10	20525	836.5	25	MID	0.09	0.033	22.49	23.50	1.262	0.042	/
	State1&3&5	Right Edge		10	20525	836.5	1	LOW	0.01	0.116	23.50	24.50	1.259	0.146	/
	State1&3&5			10	20525	836.5	25	MID	0.03	0.091	22.49	23.50	1.262	0.115	/
	State1&3&5	Top Edge		10	20525	836.5	1	LOW	-0.14	0.021	23.50	24.50	1.259	0.026	/
	State1&3&5			10	20525	836.5	25	MID	-0.09	0.018	22.49	23.50	1.262	0.023	/
	State1&3&5	Bottom Edge		10	20525	836.5	1	LOW	0.14	0.129	23.50	24.50	1.259	0.162	/
	State1&3&5			10	20525	836.5	25	MID	0.09	0.118	22.49	23.50	1.262	0.149	/
Ant.0(ENDC)	State1&3&5	Front Side		10	20450	829	1	LOW	0.09	0.035	21.01	21.50	1.119	0.039	/
	State1&3&5			10	20450	829	25	HIGH	0.00	0.033	21.02	21.50	1.117	0.037	/
	State1&3&5	Back Side		10	20450	829	1	LOW	0.12	0.059	21.01	21.50	1.119	0.066	/
	State1&3&5			10	20450	829	25	HIGH	-0.19	0.047	21.02	21.50	1.117	0.052	/
	State1&3&5	Left Edge		10	20450	829	1	LOW	-0.09	0.022	21.01	21.50	1.119	0.025	/
	State1&3&5			10	20450	829	25	HIGH	-0.08	0.016	21.02	21.50	1.117	0.018	/
	State1&3&5	Right Edge		10	20450	829	1	LOW	0.03	0.031	21.01	21.50	1.119	0.035	/
	State1&3&5			10	20450	829	25	HIGH	0.18	0.029	21.02	21.50	1.117	0.032	/
	State1&3&5	Top Edge		10	20450	829	1	LOW	-0.12	0.015	21.01	21.50	1.119	0.017	/
	State1&3&5			10	20450	829	25	HIGH	-0.01	0.011	21.02	21.50	1.117	0.012	/
	State1&3&5	Bottom Edge		10	20450	829	1	LOW	0.05	0.037	21.01	21.50	1.119	0.041	/
	State1&3&5			10	20450	829	25	HIGH	0.10	0.034	21.02	21.50	1.117	0.038	/

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

11.9LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	State2&4&6	QPSK	Left Cheek	0	20850	2510	1	MID	-0.06	0.353	15.07	16.50	1.390	0.491	/
	State2&4&6			0	20850	2510	50	MID	-0.10	0.334	15.10	16.50	1.380	0.461	/
	State2&4&6		Left Tilt	0	20850	2510	1	MID	0.12	0.387	15.07	16.50	1.390	0.538	/
	State2&4&6			0	20850	2510	50	MID	-0.01	0.379	15.10	16.50	1.380	0.523	/
	State2&4&6		Right Cheek	0	20850	2510	1	MID	-0.01	0.475	15.07	16.50	1.390	0.660	/
	State2&4&6			0	20850	2510	50	MID	-0.11	0.471	15.10	16.50	1.380	0.650	/
	State2&4&6		Right Tilt	0	20850	2510	1	MID	-0.06	0.588	15.07	16.50	1.390	0.817	/
	State2&4&6			0	20850	2510	50	MID	-0.16	0.600	15.10	16.50	1.380	0.828	/
	State2&4&6			0	21100	2535	1	MID	0.15	0.502	15.00	16.50	1.413	0.709	/
	State2&4&6			0	21100	2535	50	MID	-0.07	0.511	14.95	16.50	1.429	0.730	/
	State2&4&6			0	21350	2560	1	MID	-0.05	0.677	14.83	16.50	1.469	0.995	/
	State2&4&6			0	21350	2560	50	LOW	-0.01	0.692	14.87	16.50	1.455	1.007	28#
	State2&4&6			0	20850	2510	100	LOW	0.18	0.441	15.07	16.50	1.390	0.613	/
	Ant.4(ENDC)		State2&4&6	QPSK	Left Cheek	0	21100	2535	1	HIGH	-0.15	0.326	14.01	14.50	1.119
State2&4&6		0	21100			2535	50	MID	-0.05	0.296	14.15	14.50	1.084	0.321	/
State2&4&6		Left Tilt	0		21100	2535	1	HIGH	0.14	0.297	14.01	14.50	1.119	0.332	/
State2&4&6			0		21100	2535	50	MID	-0.04	0.288	14.15	14.50	1.084	0.312	/
State2&4&6		Right Cheek	0		21100	2535	1	HIGH	0.07	0.468	14.01	14.50	1.119	0.524	/
State2&4&6			0		21100	2535	50	MID	-0.11	0.446	14.15	14.50	1.084	0.483	/
State2&4&6		Right Tilt	0		21100	2535	1	HIGH	-0.14	0.551	14.01	14.50	1.119	0.617	/
State2&4&6			0		21100	2535	50	MID	0.16	0.475	14.15	14.50	1.084	0.515	/
Ant.3	State2&4&6	QPSK	Left Cheek	0	21100	2535	1	MID	0.14	0.198	23.44	23.50	1.014	0.201	/
	State2&4&6			0	21100	2535	50	MID	0.07	0.161	22.44	22.50	1.014	0.163	/
	State2&4&6		Left Tilt	0	21100	2535	1	MID	0.02	0.105	23.44	23.50	1.014	0.106	/
	State2&4&6			0	21100	2535	50	MID	0.15	0.092	22.44	22.50	1.014	0.093	/
	State2&4&6		Right Cheek	0	21100	2535	1	MID	-0.13	0.213	23.44	23.50	1.014	0.216	/
	State2&4&6			0	21100	2535	50	MID	-0.05	0.185	22.44	22.50	1.014	0.188	/
	State2&4&6		Right Tilt	0	21100	2535	1	MID	-0.08	0.086	23.44	23.50	1.014	0.087	/
	State2&4&6			0	21100	2535	50	MID	-0.05	0.064	22.44	22.50	1.014	0.065	/
Ant.1(ENDC)	State2&4&6	QPSK	Left Cheek	0	21350	2560	1	MID	0.02	0.071	20.49	21.00	1.125	0.080	/
	State2&4&6			0	20850	2510	50	MID	0.06	0.073	20.47	21.00	1.130	0.082	/
	State2&4&6		Left Tilt	0	21350	2560	1	MID	-0.10	0.023	20.49	21.00	1.125	0.026	/
	State2&4&6			0	20850	2510	50	MID	0.19	0.029	20.47	21.00	1.130	0.033	/
	State2&4&6		Right Cheek	0	21350	2560	1	MID	0.19	0.176	20.49	21.00	1.125	0.198	/
	State2&4&6			0	20850	2510	50	MID	-0.10	0.167	20.47	21.00	1.130	0.189	/
	State2&4&6		Right Tilt	0	21350	2560	1	MID	-0.17	0.061	20.49	21.00	1.125	0.069	/
	State2&4&6			0	20850	2510	50	MID	-0.03	0.063	20.47	21.00	1.130	0.071	/

Body-worn																	
Ant.4	State1&3&5	QPSK	Front Side	15	21100	2535	1	MID	-0.08	0.121	18.04	19.50	1.400	0.169	/		
	State1&3&5			15	21100	2535	50	MID	0.12	0.116	18.00	19.50	1.413	0.164	/		
	State1&3&5		Back Side	15	21100	2535	1	MID	0.11	0.121	18.04	19.50	1.400	0.169	/		
	State1&3&5			15	21100	2535	50	MID	0.03	0.118	18.00	19.50	1.413	0.167	/		
Ant.4 (DC_7A_n5A)	State1&3&5	QPSK	Front Side	15	21100	2535	1	MID	-0.15	0.112	18.42	19.00	1.143	0.128	/		
	State1&3&5			15	21100	2535	50	MID	0.03	0.110	18.54	19.00	1.112	0.122	/		
	State1&3&5		Back Side	15	21100	2535	1	MID	-0.03	0.135	18.42	19.00	1.143	0.154	/		
	State1&3&5			15	21100	2535	50	MID	-0.08	0.133	18.54	19.00	1.112	0.148	/		
Ant.4 (DC_7A_n66A)	State1&3&5	QPSK	Front Side	15	21100	2535	1	MID	0.07	0.083	17.48	18.00	1.127	0.094	/		
	State1&3&5			15	21100	2535	50	MID	0.19	0.084	17.58	18.00	1.102	0.093	/		
	State1&3&5		Back Side	15	21100	2535	1	MID	0.12	0.103	17.48	18.00	1.127	0.116	/		
	State1&3&5			15	21100	2535	50	MID	0.06	0.105	17.58	18.00	1.102	0.116	/		
Ant.3	State1&3&5	QPSK	Front Side	15	21100	2535	1	MID	-0.13	0.152	18.93	19.00	1.016	0.154	/		
	State1&3&5			15	21100	2535	50	HIGH	-0.15	0.141	18.91	19.00	1.021	0.144	/		
	State1&3&5		Back Side	15	21100	2535	1	MID	0.01	0.201	18.93	19.00	1.016	0.204	29#		
	State1&3&5			15	21100	2535	50	HIGH	-0.02	0.188	18.91	19.00	1.021	0.192	/		
Ant.3 (DC_7A_n5A & DC_7A_n66A)	State1&3&5	QPSK	Front Side	15	21100	2535	1	MID	-0.16	0.038	17.12	17.50	1.091	0.041	/		
	State1&3&5			15	21100	2535	50	MID	0.05	0.044	17.25	17.50	1.059	0.047	/		
	State1&3&5		Back Side	15	21100	2535	1	MID	0.00	0.079	17.12	17.50	1.091	0.086	/		
	State1&3&5			15	21100	2535	50	MID	-0.06	0.080	17.25	17.50	1.059	0.085	/		
Ant.1(ENDC)	State1&3&5	QPSK	Front Side	15	21100	2535	1	HIGH	-0.03	0.033	19.84	20.00	1.038	0.034	/		
	State1&3&5			15	21100	2535	50	MID	0.03	0.031	19.94	20.00	1.014	0.031	/		
	State1&3&5		Back Side	15	21100	2535	1	HIGH	-0.05	0.056	19.84	20.00	1.038	0.058	/		
	State1&3&5			15	21100	2535	50	MID	0.09	0.053	19.94	20.00	1.014	0.054	/		
Hotspot																	
Ant.4	State1&3&5	QPSK	Front Side	10	21100	2535	1	MID	0.15	0.215	18.04	19.50	1.400	0.301	/		
	State1&3&5			10	21100	2535	50	MID	0.00	0.213	18.00	19.50	1.413	0.301	/		
	State1&3&5		Back Side	10	21100	2535	1	MID	-0.01	0.266	18.04	19.50	1.400	0.372	/		
	State1&3&5			10	21100	2535	50	MID	-0.04	0.261	18.00	19.50	1.413	0.369	/		
	State1&3&5		Left Edge	10	21100	2535	1	MID	0.02	0.062	18.04	19.50	1.400	0.087	/		
	State1&3&5			10	21100	2535	50	MID	-0.07	0.061	18.00	19.50	1.413	0.086	/		
	State1&3&5		Right Edge	10	21100	2535	1	MID	0.15	0.131	18.04	19.50	1.400	0.183	/		
	State1&3&5			10	21100	2535	50	MID	-0.16	0.133	18.00	19.50	1.413	0.188	/		
	State1&3&5		Top Edge	10	21100	2535	1	MID	-0.02	0.418	18.04	19.50	1.400	0.585	30#		
	State1&3&5			10	21100	2535	50	MID	0.13	0.399	18.00	19.50	1.413	0.564	/		
	State1&3&5		Bottom Edge	10	21100	2535	1	MID	0.05	0.023	18.04	19.50	1.400	0.032	/		
	State1&3&5			10	21100	2535	50	MID	-0.18	0.021	18.00	19.50	1.413	0.030	/		
	Ant.4 (DC_7A_n5A)		State1&3&5	QPSK	Front Side	10	21100	2535	1	MID	0.09	0.185	18.42	19.00	1.143	0.211	/
			State1&3&5			10	21100	2535	50	MID	0.07	0.181	18.54	19.00	1.112	0.201	/
State1&3&5		Back Side	10		21100	2535	1	MID	0.15	0.241	18.42	19.00	1.143	0.275	/		
State1&3&5			10		21100	2535	50	MID	-0.06	0.238	18.54	19.00	1.112	0.265	/		
State1&3&5		Left Edge	10		21100	2535	1	MID	-0.06	0.041	18.42	19.00	1.143	0.047	/		

	State1&3&5		Right Edge	10	21100	2535	50	MID	-0.08	0.039	18.54	19.00	1.112	0.043	/	
	State1&3&5			10	21100	2535	1	MID	0.13	0.056	18.42	19.00	1.143	0.064	/	
	State1&3&5			10	21100	2535	50	MID	-0.19	0.055	18.54	19.00	1.112	0.061	/	
	State1&3&5			Top Edge	10	21100	2535	1	MID	-0.18	0.262	18.42	19.00	1.143	0.299	/
	State1&3&5				10	21100	2535	50	MID	-0.16	0.265	18.54	19.00	1.112	0.295	/
	State1&3&5			Bottom Edge	10	21100	2535	1	MID	0.05	0.023	18.42	19.00	1.143	0.026	/
	State1&3&5				10	21100	2535	50	MID	0.08	0.021	18.54	19.00	1.112	0.023	/
Ant.4 (DC_7A_n66A)	State1&3&5	QPSK	Front Side	10	21100	2535	1	MID	0.12	0.148	17.48	18.00	1.127	0.167	/	
	State1&3&5			10	21100	2535	50	MID	0.03	0.145	17.58	18.00	1.102	0.160	/	
	State1&3&5		Back Side	10	21100	2535	1	MID	0.09	0.211	17.48	18.00	1.127	0.238	/	
	State1&3&5			10	21100	2535	50	MID	-0.03	0.206	17.58	18.00	1.102	0.227	/	
	State1&3&5		Left Edge	10	21100	2535	1	MID	0.10	0.041	17.48	18.00	1.127	0.046	/	
	State1&3&5			10	21100	2535	50	MID	0.18	0.038	17.58	18.00	1.102	0.042	/	
	State1&3&5		Right Edge	10	21100	2535	1	MID	-0.16	0.091	17.48	18.00	1.127	0.103	/	
	State1&3&5			10	21100	2535	50	MID	-0.09	0.083	17.58	18.00	1.102	0.091	/	
	State1&3&5		Top Edge	10	21100	2535	1	MID	0.05	0.466	17.48	18.00	1.127	0.525	/	
	State1&3&5			10	21100	2535	50	MID	0.07	0.461	17.58	18.00	1.102	0.508	/	
	State1&3&5		Bottom Edge	10	21100	2535	1	MID	0.16	0.016	17.48	18.00	1.127	0.018	/	
	State1&3&5			10	21100	2535	50	MID	-0.12	0.015	17.58	18.00	1.102	0.017	/	
	Ant.3		State1&3&5	QPSK	Front Side	10	21100	2535	1	MID	0.08	0.125	18.93	19.00	1.016	0.127
State1&3&5		10	21100			2535	50	HIGH	0.14	0.128	18.91	19.00	1.021	0.131	/	
State1&3&5		Back Side	10		21100	2535	1	MID	-0.09	0.311	18.93	19.00	1.016	0.316	/	
State1&3&5			10		21100	2535	50	HIGH	-0.10	0.306	18.91	19.00	1.021	0.312	/	
State1&3&5		Left Edge	10		21100	2535	1	MID	0.12	0.085	18.93	19.00	1.016	0.086	/	
State1&3&5			10		21100	2535	50	HIGH	-0.02	0.083	18.91	19.00	1.021	0.085	/	
State1&3&5		Right Edge	10		21100	2535	1	MID	-0.18	0.071	18.93	19.00	1.016	0.072	/	
State1&3&5			10		21100	2535	50	HIGH	-0.03	0.068	18.91	19.00	1.021	0.069	/	
State1&3&5		Top Edge	10		21100	2535	1	MID	0.09	0.025	18.93	19.00	1.016	0.025	/	
State1&3&5			10		21100	2535	50	HIGH	0.15	0.023	18.91	19.00	1.021	0.023	/	
State1&3&5		Bottom Edge	10		21100	2535	1	MID	-0.02	0.570	18.93	19.00	1.016	0.579	/	
State1&3&5			10		21100	2535	50	HIGH	0.15	0.565	18.91	19.00	1.021	0.577	/	
Ant.3 (DC_7A_n5A& DC_7A_N66A)		State1&3&5	QPSK		Front Side	10	21100	2535	1	MID	-0.01	0.181	17.12	17.50	1.091	0.197
	State1&3&5	10		21100		2535	50	MID	0.16	0.176	17.25	17.50	1.059	0.186	/	
	State1&3&5	Back Side		10	21100	2535	1	MID	0.17	0.133	17.12	17.50	1.091	0.145	/	
	State1&3&5			10	21100	2535	50	MID	0.09	0.126	17.25	17.50	1.059	0.133	/	
	State1&3&5	Left Edge		10	21100	2535	1	MID	0.08	0.034	17.12	17.50	1.091	0.037	/	
	State1&3&5			10	21100	2535	50	MID	0.07	0.031	17.25	17.50	1.059	0.033	/	
	State1&3&5	Right Edge		10	21100	2535	1	MID	-0.04	0.055	17.12	17.50	1.091	0.060	/	
	State1&3&5			10	21100	2535	50	MID	-0.18	0.051	17.25	17.50	1.059	0.054	/	
	State1&3&5	Top Edge		10	21100	2535	1	MID	0.13	0.016	17.12	17.50	1.091	0.017	/	
	State1&3&5			10	21100	2535	50	MID	0.05	0.015	17.25	17.50	1.059	0.016	/	
	State1&3&5	Bottom Edge		10	21100	2535	1	MID	-0.08	0.192	17.12	17.50	1.091	0.209	/	
	State1&3&5			10	21100	2535	50	MID	-0.19	0.186	17.25	17.50	1.059	0.197	/	

Ant.1(ENDC)	State1&3&5	QPSK	Front Side	10	21100	2535	1	HIGH	0.18	0.062	19.84	20.00	1.038	0.064	/
	State1&3&5			10	20850	2510	50	MID	0.06	0.066	19.94	20.00	1.014	0.067	/
	State1&3&5		Back Side	10	21100	2535	1	HIGH	-0.10	0.092	19.84	20.00	1.038	0.095	/
	State1&3&5			10	20850	2510	50	MID	0.00	0.083	19.94	20.00	1.014	0.084	/
	State1&3&5		Left Edge	10	21100	2535	1	HIGH	-0.11	0.011	19.84	20.00	1.038	0.011	/
	State1&3&5			10	20850	2510	50	MID	-0.19	0.010	19.94	20.00	1.014	0.010	/
	State1&3&5		Right Edge	10	21100	2535	1	HIGH	-0.04	0.122	19.84	20.00	1.038	0.127	/
	State1&3&5			10	20850	2510	50	MID	0.05	0.159	19.94	20.00	1.014	0.161	/
	State1&3&5		Top Edge	10	21100	2535	1	HIGH	0.13	0.021	19.84	20.00	1.038	0.022	/
	State1&3&5			10	20850	2510	50	MID	-0.02	0.018	19.94	20.00	1.014	0.018	/
	State1&3&5		Bottom Edge	10	21100	2535	1	HIGH	0.00	0.013	19.84	20.00	1.038	0.013	/
	State1&3&5			10	20850	2510	50	MID	-0.15	0.012	19.94	20.00	1.014	0.012	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.4	State1&3&5	QPSK	Top Edge	0	21100	2535	1	MID	-0.05	1.180	18.04	19.50	1.400	1.652	/
	State1&3&5			0	21100	2535	50	MID	-0.07	1.120	18.00	19.50	1.413	1.583	/
Ant.3	State1&3&5	QPSK	Bottom Edge	0	21100	2535	1	MID	-0.02	2.020	18.93	19.00	1.016	2.052	31#
	State1&3&5			0	21100	2535	50	HIGH	0.11	1.950	18.91	19.00	1.021	1.991	/
	State1&3&5			0	20850	2510	1	MID	0.06	1.930	18.93	19.00	1.016	1.961	/
	State1&3&5			0	21350	2560	1	MID	0.03	1.880	18.78	19.00	1.052	1.978	/
	State1&3&5			0	20850	2510	100	LOW	-0.01	1.890	18.86	19.00	1.033	1.952	/

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

11.10 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2&4&6	QPSK	Left Cheek	0	23130	711	1	MID	-0.01	0.061	23.04	24.10	1.276	0.078	/
	State2&4&6			0	23130	711	25	MID	-0.15	0.052	22.01	23.10	1.285	0.067	/
	State2&4&6		Left Tilt	0	23130	711	1	MID	0.00	0.032	23.04	24.10	1.276	0.041	/
	State2&4&6			0	23130	711	25	MID	0.13	0.025	22.01	23.10	1.285	0.032	/
	State2&4&6		Right Cheek	0	23130	711	1	MID	0.00	0.146	23.04	24.10	1.276	0.186	32#
	State2&4&6			0	23130	711	25	MID	0.03	0.121	22.01	23.10	1.285	0.155	/
	State2&4&6		Right Tilt	0	23130	711	1	MID	-0.05	0.056	23.04	24.10	1.276	0.071	/
	State2&4&6			0	23130	711	25	MID	-0.11	0.048	22.01	23.10	1.285	0.062	/
Ant.0	State2&4&6	QPSK	Left Cheek	0	23130	711	1	LOW	0.18	0.072	23.12	24.50	1.374	0.099	/
	State2&4&6			0	23130	711	25	LOW	0.09	0.055	22.08	23.50	1.387	0.076	/
	State2&4&6		Left Tilt	0	23130	711	1	LOW	-0.06	0.021	23.12	24.50	1.374	0.029	/
	State2&4&6			0	23130	711	25	LOW	-0.16	0.016	22.08	23.50	1.387	0.022	/
	State2&4&6		Right Cheek	0	23130	711	1	LOW	0.16	0.056	23.12	24.50	1.374	0.077	/
	State2&4&6			0	23130	711	25	LOW	0.19	0.048	22.08	23.50	1.387	0.067	/
	State2&4&6		Right Tilt	0	23130	711	1	LOW	0.12	0.041	23.12	24.50	1.374	0.056	/
	State2&4&6			0	23130	711	25	LOW	0.13	0.032	22.08	23.50	1.387	0.044	/
Body-worn															
Ant.1	State1&3&5	QPSK	Front Side	15	23130	711	1	MID	0.09	0.023	23.04	24.10	1.276	0.029	/
	State1&3&5			15	23130	711	25	MID	-0.08	0.025	22.01	23.10	1.285	0.032	/
	State1&3&5		Back Side	15	23130	711	1	MID	-0.13	0.032	23.04	24.10	1.276	0.041	/
	State1&3&5			15	23130	711	25	MID	0.04	0.031	22.01	23.10	1.285	0.040	/
Ant.0	State1&3&5	QPSK	Front Side	15	23130	711	1	LOW	-0.12	0.078	23.12	24.50	1.374	0.107	/
	State1&3&5			15	23130	711	25	LOW	-0.15	0.074	22.08	23.50	1.387	0.103	/
	State1&3&5		Back Side	15	23130	711	1	LOW	0.00	0.119	23.12	24.50	1.374	0.164	33#
	State1&3&5			15	23130	711	25	LOW	-0.02	0.106	22.08	23.50	1.387	0.147	/
Hotspot															
Ant.1	State1&3&5	QPSK	Front Side	10	23130	711	1	MID	-0.10	0.041	23.04	24.10	1.276	0.052	/
	State1&3&5			10	23130	711	25	MID	-0.02	0.016	22.01	23.10	1.285	0.021	/
	State1&3&5		Back Side	10	23130	711	1	MID	0.07	0.059	23.04	24.10	1.276	0.075	/
	State1&3&5			10	23130	711	25	MID	0.06	0.046	22.01	23.10	1.285	0.059	/
	State1&3&5		Left Edge	10	23130	711	1	MID	0.02	0.023	23.04	24.10	1.276	0.029	/
	State1&3&5			10	23130	711	25	MID	0.05	0.018	22.01	23.10	1.285	0.023	/
	State1&3&5		Right Edge	10	23130	711	1	MID	-0.19	0.093	23.04	24.10	1.276	0.119	/
	State1&3&5			10	23130	711	25	MID	-0.07	0.068	22.01	23.10	1.285	0.087	/
	State1&3&5		Top Edge	10	23130	711	1	MID	-0.07	0.011	23.04	24.10	1.276	0.014	/
	State1&3&5			10	23130	711	25	MID	-0.09	0.008	22.01	23.10	1.285	0.010	/
	State1&3&5		Bottom Edge	10	23130	711	1	MID	0.06	0.008	23.04	24.10	1.276	0.010	/

	State1&3&5			10	23130	711	25	MID	0.05	0.006	22.01	23.10	1.285	0.008	/
Ant.0	State1&3&5	QPSK	Front Side	10	23130	711	1	LOW	0.10	0.075	23.12	24.50	1.374	0.103	/
	State1&3&5			10	23130	711	25	LOW	0.11	0.079	22.08	23.50	1.387	0.110	/
	State1&3&5		Back Side	10	23130	711	1	LOW	0.16	0.102	23.12	24.50	1.374	0.140	/
	State1&3&5			10	23130	711	25	LOW	-0.06	0.097	22.08	23.50	1.387	0.135	/
	State1&3&5		Left Edge	10	23130	711	1	LOW	-0.11	0.061	23.12	24.50	1.374	0.084	/
	State1&3&5			10	23130	711	25	LOW	0.09	0.058	22.08	23.50	1.387	0.080	/
	State1&3&5		Right Edge	10	23130	711	1	LOW	0.00	0.143	23.12	24.50	1.374	0.196	34#
	State1&3&5			10	23130	711	25	LOW	-0.13	0.132	22.08	23.50	1.387	0.183	/
	State1&3&5		Top Edge	10	23130	711	1	LOW	-0.13	0.022	23.12	24.50	1.374	0.030	/
	State1&3&5			10	23130	711	25	LOW	0.19	0.017	22.08	23.50	1.387	0.024	/
	State1&3&5		Bottom Edge	10	23130	711	1	LOW	-0.04	0.085	23.12	24.50	1.374	0.117	/
	State1&3&5			10	23130	711	25	LOW	-0.18	0.080	22.08	23.50	1.387	0.111	/

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

11.11 LTE Band 13 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2&4&6	QPSK	Left Cheek	0	23230	782	1	MID	0.10	0.052	22.73	23.70	1.250	0.065	/
	State2&4&6			0	23230	782	25	LOW	0.14	0.041	21.91	22.70	1.199	0.049	/
	State2&4&6		Left Tilt	0	23230	782	1	MID	-0.01	0.032	22.73	23.70	1.250	0.040	/
	State2&4&6			0	23230	782	25	LOW	-0.04	0.029	21.91	22.70	1.199	0.035	/
	State2&4&6		Right Cheek	0	23230	782	1	MID	0.04	0.110	22.73	23.70	1.250	0.138	35#
	State2&4&6			0	23230	782	25	LOW	0.06	0.084	21.91	22.70	1.199	0.101	/
	State2&4&6		Right Tilt	0	23230	782	1	MID	0.05	0.048	22.73	23.70	1.250	0.060	/
	State2&4&6			0	23230	782	25	LOW	0.08	0.046	21.91	22.70	1.199	0.055	/
Ant.0	State2&4&6	QPSK	Left Cheek	0	23230	782	1	MID	-0.07	0.047	22.89	24.10	1.321	0.062	/
	State2&4&6			0	23230	782	25	LOW	0.18	0.038	22.09	23.10	1.262	0.048	/
	State2&4&6		Left Tilt	0	23230	782	1	MID	0.08	0.036	22.89	24.10	1.321	0.048	/
	State2&4&6			0	23230	782	25	LOW	-0.12	0.029	22.09	23.10	1.262	0.037	/
	State2&4&6		Right Cheek	0	23230	782	1	MID	-0.02	0.056	22.89	24.10	1.321	0.074	/
	State2&4&6			0	23230	782	25	LOW	-0.06	0.044	22.09	23.10	1.262	0.056	/
	State2&4&6		Right Tilt	0	23230	782	1	MID	-0.07	0.038	22.89	24.10	1.321	0.050	/
	State2&4&6			0	23230	782	25	LOW	0.00	0.032	22.09	23.10	1.262	0.040	/
Body-worn															
Ant.1	State1&3&5	QPSK	Front Side	15	23230	782	1	MID	0.16	0.033	22.73	23.70	1.250	0.041	/
	State1&3&5			15	23230	782	25	LOW	0.02	0.036	21.91	22.70	1.199	0.043	/
	State1&3&5		Back Side	15	23230	782	1	MID	0.14	0.041	22.73	23.70	1.250	0.051	/
	State1&3&5			15	23230	782	25	LOW	0.10	0.043	21.91	22.70	1.199	0.052	/
Ant.0	State1&3&5	QPSK	Front Side	15	23230	782	1	MID	-0.14	0.041	22.89	24.10	1.321	0.054	/
	State1&3&5			15	23230	782	25	LOW	-0.14	0.038	22.09	23.10	1.262	0.048	/
	State1&3&5		Back Side	15	23230	782	1	MID	0.00	0.053	22.89	24.10	1.321	0.070	36#
	State1&3&5			15	23230	782	25	LOW	0.03	0.051	22.09	23.10	1.262	0.064	/
Hotspot															
Ant.1	State1&3&5	QPSK	Front Side	10	23230	782	1	MID	-0.16	0.031	22.73	23.70	1.250	0.039	/
	State1&3&5			10	23230	782	25	LOW	-0.03	0.028	21.91	22.70	1.199	0.034	/
	State1&3&5		Back Side	10	23230	782	1	MID	0.08	0.051	22.73	23.70	1.250	0.064	/
	State1&3&5			10	23230	782	25	LOW	-0.16	0.044	21.91	22.70	1.199	0.053	/
	State1&3&5		Left Edge	10	23230	782	1	MID	0.11	0.023	22.73	23.70	1.250	0.029	/
	State1&3&5			10	23230	782	25	LOW	-0.02	0.016	21.91	22.70	1.199	0.019	/
	State1&3&5		Right Edge	10	23230	782	1	MID	0.05	0.076	22.73	23.70	1.250	0.095	37#
	State1&3&5			10	23230	782	25	LOW	0.17	0.063	21.91	22.70	1.199	0.076	/
	State1&3&5		Top Edge	10	23230	782	1	MID	0.06	0.041	22.73	23.70	1.250	0.051	/
	State1&3&5			10	23230	782	25	LOW	0.19	0.032	21.91	22.70	1.199	0.038	/
	State1&3&5		Bottom Edge	10	23230	782	1	MID	0.18	0.022	22.73	23.70	1.250	0.028	/

	State1&3&5			10	23230	782	25	LOW	0.04	0.019	21.91	22.70	1.199	0.023	/
Ant.0	State1&3&5	QPSK	Front Side	10	23230	782	1	MID	-0.18	0.046	22.89	24.10	1.321	0.061	/
	State1&3&5			10	23230	782	25	LOW	-0.01	0.035	22.09	23.10	1.262	0.044	/
	State1&3&5		Back Side	10	23230	782	1	MID	0.10	0.051	22.89	24.10	1.321	0.067	/
	State1&3&5			10	23230	782	25	LOW	-0.08	0.050	22.09	23.10	1.262	0.063	/
	State1&3&5		Left Edge	10	23230	782	1	MID	-0.16	0.025	22.89	24.10	1.321	0.033	/
	State1&3&5			10	23230	782	25	LOW	-0.12	0.012	22.09	23.10	1.262	0.015	/
	State1&3&5		Right Edge	10	23230	782	1	MID	0.16	0.054	22.89	24.10	1.321	0.071	/
	State1&3&5			10	23230	782	25	LOW	0.12	0.046	22.09	23.10	1.262	0.058	/
	State1&3&5		Top Edge	10	23230	782	1	MID	-0.08	0.017	22.89	24.10	1.321	0.022	/
	State1&3&5			10	23230	782	25	LOW	-0.02	0.011	22.09	23.10	1.262	0.014	/
	State1&3&5		Bottom Edge	10	23230	782	1	MID	-0.01	0.051	22.89	24.10	1.321	0.067	/
	State1&3&5			10	23230	782	25	LOW	-0.07	0.047	22.09	23.10	1.262	0.059	/

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

11.12 LTE Band 17 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2&4&6	QPSK	Left Cheek	0	23780	709	1	LOW	0.19	0.051	22.99	24.20	1.321	0.067	/
	State2&4&6			0	23780	709	25	MID	-0.18	0.044	21.97	23.20	1.327	0.058	/
	State2&4&6		Left Tilt	0	23780	709	1	LOW	0.17	0.024	22.99	24.20	1.321	0.032	/
	State2&4&6			0	23780	709	25	MID	-0.10	0.019	21.97	23.20	1.327	0.025	/
	State2&4&6		Right Cheek	0	23780	709	1	LOW	-0.02	0.110	22.99	24.20	1.321	0.145	38#
	State2&4&6			0	23780	709	25	MID	-0.02	0.104	21.97	23.20	1.327	0.138	/
	State2&4&6		Right Tilt	0	23780	709	1	LOW	-0.12	0.058	22.99	24.20	1.321	0.077	/
	State2&4&6			0	23780	709	25	MID	0.11	0.052	21.97	23.20	1.327	0.069	/
Ant.0	State2&4&6	QPSK	Left Cheek	0	23780	709	1	LOW	0.06	0.069	23.10	24.50	1.380	0.095	/
	State2&4&6			0	23780	709	25	MID	0.00	0.061	22.08	23.50	1.387	0.085	/
	State2&4&6		Left Tilt	0	23780	709	1	LOW	0.15	0.033	23.10	24.50	1.380	0.046	/
	State2&4&6			0	23780	709	25	MID	0.08	0.028	22.08	23.50	1.387	0.039	/
	State2&4&6		Right Cheek	0	23780	709	1	LOW	0.19	0.057	23.10	24.50	1.380	0.079	/
	State2&4&6			0	23780	709	25	MID	-0.16	0.044	22.08	23.50	1.387	0.061	/
	State2&4&6		Right Tilt	0	23780	709	1	LOW	0.13	0.032	23.10	24.50	1.380	0.044	/
	State2&4&6			0	23780	709	25	MID	0.00	0.026	22.08	23.50	1.387	0.036	/
Body-worn															
Ant.1	State1&3&5	QPSK	Front Side	15	23780	709	1	LOW	0.10	0.025	22.99	24.20	1.321	0.033	/
	State1&3&5			15	23780	709	25	MID	-0.10	0.021	21.97	23.20	1.327	0.028	/
	State1&3&5		Back Side	15	23780	709	1	LOW	-0.10	0.036	22.99	24.20	1.321	0.048	/
	State1&3&5			15	23780	709	25	MID	0.13	0.028	21.97	23.20	1.327	0.037	/
Ant.0	State1&3&5	QPSK	Front Side	15	23780	709	1	LOW	0.05	0.063	23.10	24.50	1.380	0.087	/
	State1&3&5			15	23780	709	25	MID	0.09	0.051	22.08	23.50	1.387	0.071	/
	State1&3&5		Back Side	15	23780	709	1	LOW	-0.01	0.113	23.10	24.50	1.380	0.156	39#
	State1&3&5			15	23780	709	25	MID	0.04	0.106	22.08	23.50	1.387	0.147	/
Hotspot															
Ant.1	State1&3&5	QPSK	Front Side	10	23780	709	1	LOW	0.16	0.037	22.99	24.20	1.321	0.049	/
	State1&3&5			10	23780	709	25	MID	-0.03	0.032	21.97	23.20	1.327	0.042	/
	State1&3&5		Back Side	10	23780	709	1	LOW	0.01	0.041	22.99	24.20	1.321	0.054	/
	State1&3&5			10	23780	709	25	MID	0.09	0.038	21.97	23.20	1.327	0.050	/
	State1&3&5		Left Edge	10	23780	709	1	LOW	-0.10	0.065	22.99	24.20	1.321	0.086	/
	State1&3&5			10	23780	709	25	MID	0.12	0.069	21.97	23.20	1.327	0.092	/
	State1&3&5		Right Edge	10	23780	709	1	LOW	-0.19	0.061	22.99	24.20	1.321	0.081	/
	State1&3&5			10	23780	709	25	MID	0.03	0.055	21.97	23.20	1.327	0.073	/
	State1&3&5		Top Edge	10	23780	709	1	LOW	0.09	0.028	22.99	24.20	1.321	0.037	/
	State1&3&5			10	23780	709	25	MID	-0.13	0.022	21.97	23.20	1.327	0.029	/
	State1&3&5		Bottom Edge	10	23780	709	1	LOW	-0.05	0.014	22.99	24.20	1.321	0.018	/

	State1&3&5			10	23780	709	25	MID	0.13	0.011	21.97	23.20	1.327	0.015	/
Ant.0	State1&3&5	QPSK	Front Side	10	23780	709	1	LOW	0.02	0.056	23.10	24.50	1.380	0.077	/
	State1&3&5			10	23780	709	25	MID	0.00	0.045	22.08	23.50	1.387	0.062	/
	State1&3&5		Back Side	10	23780	709	1	LOW	-0.08	0.075	23.10	24.50	1.380	0.104	/
	State1&3&5			10	23780	709	25	MID	0.04	0.062	22.08	23.50	1.387	0.086	/
	State1&3&5		Left Edge	10	23780	709	1	LOW	-0.14	0.052	23.10	24.50	1.380	0.072	/
	State1&3&5			10	23780	709	25	MID	-0.10	0.041	22.08	23.50	1.387	0.057	/
	State1&3&5		Right Edge	10	23780	709	1	LOW	0.06	0.086	23.10	24.50	1.380	0.119	40#
	State1&3&5			10	23780	709	25	MID	0.09	0.079	22.08	23.50	1.387	0.110	/
	State1&3&5		Top Edge	10	23780	709	1	LOW	-0.03	0.011	23.10	24.50	1.380	0.015	/
	State1&3&5			10	23780	709	25	MID	0.18	0.008	22.08	23.50	1.387	0.011	/
	State1&3&5		Bottom Edge	10	23780	709	1	LOW	-0.06	0.056	23.10	24.50	1.380	0.077	/
	State1&3&5			10	23780	709	25	MID	-0.17	0.046	22.08	23.50	1.387	0.064	/

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

11.13 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State2&4&6	QPSK	Left Cheek	0	26965	841.5	1	LOW	0.15	0.123	23.23	24.00	1.194	0.147	/
	State2&4&6			0	26765	821.5	36	MID	-0.13	0.116	22.22	23.00	1.197	0.139	/
	State2&4&6		Left Tilt	0	26965	841.5	1	LOW	-0.09	0.071	23.23	24.00	1.194	0.085	/
	State2&4&6			0	26765	821.5	36	MID	0.06	0.062	22.22	23.00	1.197	0.074	/
	State2&4&6		Right Cheek	0	26965	841.5	1	LOW	0.00	0.247	23.23	24.00	1.194	0.295	41#
	State2&4&6			0	26965	841.5	36	MID	-0.03	0.202	22.22	23.00	1.197	0.242	/
	State2&4&6		Right Tilt	0	26965	841.5	1	LOW	-0.12	0.131	23.23	24.00	1.194	0.156	/
	State2&4&6			0	26765	821.5	36	MID	-0.09	0.122	22.22	23.00	1.197	0.146	/
Ant.0	State2&4&6	QPSK	Left Cheek	0	26965	841.5	1	MID	0.07	0.124	23.49	24.00	1.125	0.140	/
	State2&4&6			0	26965	841.5	36	LOW	-0.04	0.102	22.47	23.00	1.130	0.115	/
	State2&4&6		Left Tilt	0	26965	841.5	1	MID	0.12	0.068	23.49	24.00	1.125	0.077	/
	State2&4&6			0	26965	841.5	36	LOW	-0.15	0.060	22.47	23.00	1.130	0.068	/
	State2&4&6		Right Cheek	0	26965	841.5	1	MID	0.17	0.092	23.49	24.00	1.125	0.104	/
	State2&4&6			0	26965	841.5	36	LOW	0.14	0.081	22.47	23.00	1.130	0.092	/
	State2&4&6		Right Tilt	0	26965	841.5	1	MID	-0.09	0.059	23.49	24.00	1.125	0.066	/
	State2&4&6			0	26965	841.5	36	LOW	-0.13	0.046	22.47	23.00	1.130	0.052	/
Body-worn															
Ant.1	State1&3&5	QPSK	Front Side	15	26965	841.5	1	LOW	0.02	0.034	23.23	24.00	1.194	0.041	/
	State1&3&5			15	26765	821.5	36	MID	-0.02	0.031	22.22	23.00	1.197	0.037	/
	State1&3&5		Back Side	15	26965	841.5	1	LOW	0.16	0.048	23.23	24.00	1.194	0.057	/
	State1&3&5			15	26765	821.5	36	MID	-0.06	0.042	22.22	23.00	1.197	0.050	/
Ant.0	State1&3&5	QPSK	Front Side	15	26965	841.5	1	MID	0.00	0.094	23.49	24.00	1.125	0.106	/
	State1&3&5			15	26965	841.5	36	LOW	0.15	0.088	22.47	23.00	1.130	0.099	/
	State1&3&5		Back Side	15	26965	841.5	1	MID	-0.01	0.129	23.49	24.00	1.125	0.145	42#
	State1&3&5			15	26965	841.5	36	LOW	-0.11	0.118	22.47	23.00	1.130	0.133	/
Ant.0(ENDC)	State1&3&5	QPSK	Front Side	15	26965	841.5	1	MID	-0.19	0.026	21.03	21.50	1.114	0.029	/
	State1&3&5			15	26965	841.5	36	LOW	0.00	0.023	20.97	21.50	1.130	0.026	/
	State1&3&5		Back Side	15	26965	841.5	1	MID	-0.07	0.032	21.03	21.50	1.114	0.036	/
	State1&3&5			15	26965	841.5	36	LOW	0.12	0.029	20.97	21.50	1.130	0.033	/
Hotspot															
Ant.1	State1&3&5	QPSK	Front Side	10	26965	841.5	1	LOW	0.07	0.059	23.23	24.00	1.194	0.070	/
	State1&3&5			10	26765	821.5	36	MID	-0.04	0.054	22.22	23.00	1.197	0.065	/
	State1&3&5		Back Side	10	26965	841.5	1	LOW	-0.03	0.092	23.23	24.00	1.194	0.110	/
	State1&3&5			10	26765	821.5	36	MID	-0.08	0.071	22.22	23.00	1.197	0.085	/
	State1&3&5		Left Edge	10	26965	841.5	1	LOW	-0.11	0.034	23.23	24.00	1.194	0.041	/
	State1&3&5			10	26765	821.5	36	MID	0.17	0.025	22.22	23.00	1.197	0.030	/
	State1&3&5		Right Edge	10	26965	841.5	1	LOW	0.00	0.071	23.23	24.00	1.194	0.085	/

	State1&3&5			10	26765	821.5	36	MID	0.10	0.062	22.22	23.00	1.197	0.074	/	
	State1&3&5	Top Edge		10	26965	841.5	1	LOW	-0.09	0.027	23.23	24.00	1.194	0.032	/	
	State1&3&5			10	26765	821.5	36	MID	0.04	0.021	22.22	23.00	1.197	0.025	/	
	State1&3&5	Bottom Edge		10	26965	841.5	1	LOW	-0.10	0.016	23.23	24.00	1.194	0.019	/	
	State1&3&5			10	26765	821.5	36	MID	-0.03	0.011	22.22	23.00	1.197	0.013	/	
Ant.0	State1&3&5	Front Side		10	26965	841.5	1	MID	0.13	0.126	23.49	24.00	1.125	0.142	/	
	State1&3&5			10	26965	841.5	36	LOW	0.11	0.112	22.47	23.00	1.130	0.127	/	
	State1&3&5	Back Side		10	26965	841.5	1	MID	0.00	0.197	23.49	24.00	1.125	0.222	43#	
	State1&3&5			10	26965	841.5	36	LOW	0.00	0.146	22.47	23.00	1.130	0.165	/	
	State1&3&5	Left Edge		10	26965	841.5	1	MID	0.12	0.037	23.49	24.00	1.125	0.042	/	
	State1&3&5			10	26965	841.5	36	LOW	0.14	0.032	22.47	23.00	1.130	0.036	/	
	State1&3&5	Right Edge		10	26965	841.5	1	MID	0.09	0.078	23.49	24.00	1.125	0.088	/	
	State1&3&5			10	26965	841.5	36	LOW	0.05	0.076	22.47	23.00	1.130	0.086	/	
	State1&3&5	Top Edge		10	26965	841.5	1	MID	0.16	0.011	23.49	24.00	1.125	0.012	/	
	State1&3&5			10	26965	841.5	36	LOW	-0.13	0.009	22.47	23.00	1.130	0.010	/	
	State1&3&5	Bottom Edge		10	26965	841.5	1	MID	-0.09	0.092	23.49	24.00	1.125	0.104	/	
	State1&3&5			10	26965	841.5	36	LOW	-0.12	0.094	22.47	23.00	1.130	0.106	/	
	Ant.0(ENDC)	State1&3&5	Front Side		10	26965	841.5	1	MID	-0.18	0.081	21.03	21.50	1.114	0.090	/
		State1&3&5			10	26965	841.5	36	LOW	-0.06	0.079	20.97	21.50	1.130	0.089	/
State1&3&5		Back Side		10	26965	841.5	1	MID	0.13	0.133	21.03	21.50	1.114	0.148	/	
State1&3&5				10	26965	841.5	36	LOW	0.04	0.106	20.97	21.50	1.130	0.120	/	
State1&3&5		Left Edge		10	26965	841.5	1	MID	-0.02	0.026	21.03	21.50	1.114	0.029	/	
State1&3&5				10	26965	841.5	36	LOW	-0.13	0.023	20.97	21.50	1.130	0.026	/	
State1&3&5		Right Edge		10	26965	841.5	1	MID	-0.08	0.049	21.03	21.50	1.114	0.055	/	
State1&3&5				10	26965	841.5	36	LOW	0.07	0.048	20.97	21.50	1.130	0.054	/	
State1&3&5		Top Edge		10	26965	841.5	1	MID	0.10	0.008	21.03	21.50	1.114	0.009	/	
State1&3&5				10	26965	841.5	36	LOW	0.10	0.007	20.97	21.50	1.130	0.008	/	
State1&3&5		Bottom Edge		10	26965	841.5	1	MID	0.19	0.063	21.03	21.50	1.114	0.070	/	
State1&3&5				10	26965	841.5	36	LOW	0.04	0.058	20.97	21.50	1.130	0.066	/	
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.14 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	State2&4	QPSK	Left Cheek	0	132322	1745	1	MID	-0.09	0.111	16.31	18.00	1.476	0.164	/
	State2&4			0	132322	1745	50	MID	-0.03	0.106	16.34	18.00	1.466	0.155	/
	State2&4		Left Tilt	0	132322	1745	1	MID	0.14	0.134	16.31	18.00	1.476	0.198	/
	State2&4			0	132322	1745	50	MID	-0.13	0.128	16.34	18.00	1.466	0.188	/
	State2&4		Right Cheek	0	132322	1745	1	MID	-0.08	0.144	16.31	18.00	1.476	0.213	/
	State2&4			0	132322	1745	50	MID	0.03	0.141	16.34	18.00	1.466	0.207	/
	State2&4		Right Tilt	0	132322	1745	1	MID	0.04	0.156	16.31	18.00	1.476	0.230	/
	State2&4			0	132322	1745	50	MID	0.03	0.163	16.34	18.00	1.466	0.239	/
Ant.4	State6	QPSK	Left Cheek	0	132322	1745	1	MID	-0.13	0.081	15.35	17.00	1.462	0.118	/
	State6			0	132322	1745	50	MID	-0.09	0.080	15.33	17.00	1.469	0.118	/
	State6		Left Tilt	0	132322	1745	1	MID	0.14	0.101	15.35	17.00	1.462	0.148	/
	State6			0	132322	1745	50	MID	0.03	0.100	15.33	17.00	1.469	0.147	/
	State6		Right Cheek	0	132322	1745	1	MID	0.12	0.122	15.35	17.00	1.462	0.178	/
	State6			0	132322	1745	50	MID	0.16	0.116	15.33	17.00	1.469	0.170	/
	State6		Right Tilt	0	132322	1745	1	MID	-0.18	0.134	15.35	17.00	1.462	0.196	/
	State6			0	132322	1745	50	MID	-0.18	0.131	15.33	17.00	1.469	0.192	/
Ant.4 (DC_66A_n7A)	State2&4&6	QPSK	Left Cheek	0	132322	1745	1	HIGH	-0.07	0.050	14.52	15.00	1.117	0.056	/
	State2&4&6			0	132322	1745	50	HIGH	0.03	0.054	14.54	15.00	1.112	0.060	/
	State2&4&6		Left Tilt	0	132322	1745	1	HIGH	0.11	0.061	14.52	15.00	1.117	0.068	/
	State2&4&6			0	132322	1745	50	HIGH	0.01	0.064	14.54	15.00	1.112	0.071	/
	State2&4&6		Right Cheek	0	132322	1745	1	HIGH	-0.12	0.086	14.52	15.00	1.117	0.096	/
	State2&4&6			0	132322	1745	50	HIGH	0.16	0.090	14.54	15.00	1.112	0.100	/
	State2&4&6		Right Tilt	0	132322	1745	1	HIGH	-0.12	0.086	14.52	15.00	1.117	0.096	/
	State2&4&6			0	132322	1745	50	HIGH	0.07	0.091	14.54	15.00	1.112	0.101	/
Ant.4 (DC_66A_n5A)	State2&4&6	QPSK	Left Cheek	0	132322	1745	1	HIGH	0.11	0.038	13.79	14.40	1.151	0.044	/
	State2&4&6			0	132322	1745	50	HIGH	-0.09	0.037	13.95	14.40	1.109	0.041	/
	State2&4&6		Left Tilt	0	132322	1745	1	HIGH	-0.19	0.045	13.79	14.40	1.151	0.052	/
	State2&4&6			0	132322	1745	50	HIGH	0.12	0.044	13.95	14.40	1.109	0.049	/
	State2&4&6		Right Cheek	0	132322	1745	1	HIGH	-0.15	0.077	13.79	14.40	1.151	0.089	/
	State2&4&6			0	132322	1745	50	HIGH	-0.18	0.071	13.95	14.40	1.109	0.079	/
	State2&4&6		Right Tilt	0	132322	1745	1	HIGH	-0.08	0.082	13.79	14.40	1.151	0.094	/
	State2&4&6			0	132322	1745	50	HIGH	-0.18	0.081	13.95	14.40	1.109	0.090	/
Ant.3	State2&4&6	QPSK	Left Cheek	0	132072	1720	1	MID	0.09	0.145	23.49	24.00	1.125	0.163	/
	State2&4&6			0	132072	1720	50	MID	0.15	0.146	22.47	23.00	1.130	0.165	/
	State2&4&6		Left Tilt	0	132072	1720	1	MID	0.18	0.056	23.49	24.00	1.125	0.063	/
	State2&4&6			0	132072	1720	50	MID	0.11	0.053	22.47	23.00	1.130	0.060	/
	State2&4&6		Right Cheek	0	132072	1720	1	MID	0.16	0.129	23.49	24.00	1.125	0.145	/

	State2&4&6		Right Tilt	0	132072	1720	50	MID	-0.01	0.116	22.47	23.00	1.130	0.131	/
	State2&4&6			0	132072	1720	1	MID	-0.10	0.069	23.49	24.00	1.125	0.078	/
	State2&4&6			0	132072	1720	50	MID	0.01	0.059	22.47	23.00	1.130	0.067	/
Ant.1(ENDC)	State2&4&6	QPSK	Left Cheek	0	132572	1770	1	MID	0.14	0.193	22.46	23.40	1.242	0.240	/
	State2&4&6			0	132572	1770	50	LOW	-0.13	0.177	21.66	22.40	1.186	0.210	/
	State2&4&6		Left Tilt	0	132572	1770	1	MID	0.11	0.131	22.46	23.40	1.242	0.163	/
	State2&4&6			0	132572	1770	50	LOW	0.00	0.116	21.66	22.40	1.186	0.138	/
	State2&4&6		Right Cheek	0	132572	1770	1	MID	-0.01	0.589	22.46	23.40	1.242	0.732	44#
	State2&4&6			0	132572	1770	50	LOW	-0.17	0.499	21.66	22.40	1.186	0.592	/
	State2&4&6		Right Tilt	0	132572	1770	1	MID	-0.08	0.153	22.46	23.40	1.242	0.190	/
	State2&4&6			0	132572	1770	50	LOW	-0.17	0.144	21.66	22.40	1.186	0.171	/
Body-worn															
Ant.4	State1	QPSK	Front Side	15	132322	1745	1	MID	-0.05	0.068	21.40	24.00	1.820	0.124	/
	State1			15	132322	1745	50	MID	-0.13	0.061	21.38	23.00	1.452	0.089	/
	State1		Back Side	15	132322	1745	1	MID	0.00	0.055	21.40	23.00	1.445	0.079	/
	State1			15	132322	1745	50	MID	-0.06	0.053	21.38	23.00	1.452	0.077	/
Ant.4	State3&5	QPSK	Front Side	15	132322	1745	1	MID	0.14	0.041	19.87	21.50	1.455	0.060	/
	State3&5			15	132322	1745	50	HIGH	0.05	0.042	19.84	21.50	1.466	0.062	/
	State3&5		Back Side	15	132322	1745	1	MID	-0.06	0.038	19.87	21.50	1.455	0.055	/
	State3&5			15	132322	1745	50	HIGH	0.11	0.035	19.84	21.50	1.466	0.051	/
Ant.4 (DC_66A_n7A)	State1&3&5	QPSK	Front Side	15	132322	1745	1	MID	0.04	0.016	17.49	18.00	1.125	0.018	/
	State1&3&5			15	132322	1745	50	MID	-0.13	0.013	17.45	18.00	1.135	0.015	/
	State1&3&5		Back Side	15	132322	1745	1	MID	-0.09	0.018	17.49	18.00	1.125	0.020	/
	State1&3&5			15	132322	1745	50	MID	-0.04	0.016	17.45	18.00	1.135	0.018	/
Ant.4 (DC_66A_n5A)	State1&3&5	QPSK	Front Side	15	132322	1745	1	HIGH	0.12	0.013	16.91	17.40	1.119	0.015	/
	State1&3&5			15	132322	1745	50	HIGH	-0.14	0.014	17.05	17.40	1.084	0.015	/
	State1&3&5		Back Side	15	132322	1745	1	HIGH	0.04	0.016	16.91	17.40	1.119	0.018	/
	State1&3&5			15	132322	1745	50	HIGH	0.00	0.015	17.05	17.40	1.084	0.016	/
Ant.3	State1&3	QPSK	Front Side	15	132322	1745	1	MID	0.03	0.202	21.34	22.00	1.164	0.235	/
	State1&3			15	132322	1745	50	LOW	0.06	0.199	21.33	22.00	1.167	0.232	/
	State1&3		Back Side	15	132322	1745	1	MID	0.01	0.274	21.34	22.00	1.164	0.319	45#
	State1&3			15	132322	1745	50	LOW	0.11	0.263	21.33	22.00	1.167	0.307	/
Ant.3	State5	QPSK	Front Side	15	132322	1745	1	MID	0.01	0.166	19.83	20.50	1.167	0.194	/
	State5			15	132322	1745	50	LOW	-0.01	0.156	19.80	20.50	1.175	0.183	/
	State5		Back Side	15	132322	1745	1	MID	0.01	0.170	19.83	20.50	1.167	0.198	/
	State5			15	132322	1745	50	LOW	0.00	0.188	19.80	20.50	1.175	0.221	/
Ant.3(ENDC)	State1&3&5	QPSK	Front Side	15	132322	1745	1	MID	-0.13	0.066	17.44	17.50	1.014	0.067	/
	State1&3&5			15	132322	1745	50	LOW	0.06	0.061	17.41	17.50	1.021	0.062	/
	State1&3&5		Back Side	15	132322	1745	1	MID	-0.14	0.083	17.44	17.50	1.014	0.084	/
	State1&3&5			15	132322	1745	50	LOW	0.09	0.079	17.41	17.50	1.021	0.081	/
Ant.1(ENDC)	State1&3&5	QPSK	Front Side	15	132572	1770	1	MID	0.02	0.023	19.49	20.50	1.262	0.029	/
	State1&3&5			15	132572	1770	50	LOW	-0.13	0.021	19.57	20.50	1.239	0.026	/
	State1&3&5		Back Side	15	132572	1770	1	MID	0.02	0.032	19.49	20.50	1.262	0.040	/

	State1&3&5			15	132572	1770	50	LOW	-0.03	0.033	19.57	20.50	1.239	0.041	/
Hotspot															
Ant.4	State3&5	QPSK	Front Side	10	132322	1745	1	MID	-0.14	0.074	19.87	21.50	1.455	0.108	/
	State3&5			10	132322	1745	50	HIGH	-0.01	0.071	19.84	21.50	1.466	0.104	/
	State3&5		Back Side	10	132322	1745	1	MID	-0.14	0.076	19.87	21.50	1.455	0.111	/
	State3&5			10	132322	1745	50	HIGH	-0.19	0.075	19.84	21.50	1.466	0.110	/
	State3&5		Left Edge	10	132322	1745	1	MID	0.10	0.018	19.87	21.50	1.455	0.026	/
	State3&5			10	132322	1745	50	HIGH	0.14	0.016	19.84	21.50	1.466	0.023	/
	State3&5		Right Edge	10	132322	1745	1	MID	0.01	0.043	19.87	21.50	1.455	0.063	/
	State3&5			10	132322	1745	50	HIGH	-0.01	0.044	19.84	21.50	1.466	0.065	/
	State3&5		Top Edge	10	132322	1745	1	MID	-0.02	0.155	19.87	21.50	1.455	0.226	/
	State3&5			10	132322	1745	50	HIGH	0.05	0.161	19.84	21.50	1.466	0.236	/
	State3&5		Bottom Edge	10	132322	1745	1	MID	-0.14	0.008	19.87	21.50	1.455	0.012	/
	State3&5			10	132322	1745	50	HIGH	0.17	0.007	19.84	21.50	1.466	0.010	/
Ant.4 (DC_66A_n7A)	State1&3&5	QPSK	Front Side	10	132322	1745	1	MID	-0.07	0.032	17.49	18.00	1.125	0.036	/
	State1&3&5			10	132322	1745	50	MID	-0.11	0.031	17.45	18.00	1.135	0.035	/
	State1&3&5		Back Side	10	132322	1745	1	MID	0.14	0.036	17.49	18.00	1.125	0.041	/
	State1&3&5			10	132322	1745	50	MID	-0.19	0.035	17.45	18.00	1.135	0.040	/
	State1&3&5		Left Edge	10	132322	1745	1	MID	0.04	0.006	17.49	18.00	1.125	0.007	/
	State1&3&5			10	132322	1745	50	MID	-0.06	0.008	17.45	18.00	1.135	0.009	/
	State1&3&5		Right Edge	10	132322	1745	1	MID	0.17	0.023	17.49	18.00	1.125	0.026	/
	State1&3&5			10	132322	1745	50	MID	-0.12	0.031	17.45	18.00	1.135	0.035	/
	State1&3&5		Top Edge	10	132322	1745	1	MID	0.17	0.066	17.49	18.00	1.125	0.074	/
	State1&3&5			10	132322	1745	50	MID	-0.16	0.068	17.45	18.00	1.135	0.077	/
	State1&3&5		Bottom Edge	10	132322	1745	1	MID	-0.15	0.006	17.49	18.00	1.125	0.007	/
	State1&3&5			10	132322	1745	50	MID	-0.03	0.004	17.45	18.00	1.135	0.005	/
Ant.4 (DC_66A_n5A)	State1&3&5	QPSK	Front Side	10	132322	1745	1	HIGH	-0.07	0.025	16.91	17.40	1.119	0.028	/
	State1&3&5			10	132322	1745	50	HIGH	-0.11	0.024	17.05	17.40	1.084	0.026	/
	State1&3&5		Back Side	10	132322	1745	1	HIGH	-0.12	0.029	16.91	17.40	1.119	0.032	/
	State1&3&5			10	132322	1745	50	HIGH	-0.19	0.027	17.05	17.40	1.084	0.029	/
	State1&3&5		Left Edge	10	132322	1745	1	HIGH	-0.07	0.005	16.91	17.40	1.119	0.006	/
	State1&3&5			10	132322	1745	50	HIGH	-0.13	0.004	17.05	17.40	1.084	0.004	/
	State1&3&5		Right Edge	10	132322	1745	1	HIGH	-0.06	0.018	16.91	17.40	1.119	0.020	/
	State1&3&5			10	132322	1745	50	HIGH	-0.08	0.016	17.05	17.40	1.084	0.017	/
	State1&3&5		Top Edge	10	132322	1745	1	HIGH	-0.03	0.061	16.91	17.40	1.119	0.068	/
	State1&3&5			10	132322	1745	50	HIGH	-0.17	0.058	17.05	17.40	1.084	0.063	/
	State1&3&5		Bottom Edge	10	132322	1745	1	HIGH	-0.17	0.004	16.91	17.40	1.119	0.004	/
	State1&3&5			10	132322	1745	50	HIGH	0.13	0.005	17.05	17.40	1.084	0.005	/
Ant.3	State1&3	QPSK	Front Side	10	132322	1745	1	MID	0.12	0.343	21.34	22.00	1.164	0.399	/
	State1&3			10	132322	1745	50	LOW	-0.12	0.336	21.33	22.00	1.167	0.392	/
	State1&3		Back Side	10	132322	1745	1	MID	0.13	0.434	21.34	22.00	1.164	0.505	/
	State1&3			10	132322	1745	50	LOW	-0.02	0.428	21.33	22.00	1.167	0.499	/
	State1&3		Left Edge	10	132322	1745	1	MID	-0.15	0.135	21.34	22.00	1.164	0.157	/

	State1&3		Right Edge	10	132322	1745	50	LOW	0.14	0.131	21.33	22.00	1.167	0.153	/
	State1&3			10	132322	1745	1	MID	-0.14	0.082	21.34	22.00	1.164	0.095	/
	State1&3			10	132322	1745	50	LOW	0.08	0.078	21.33	22.00	1.167	0.091	/
	State1&3		Top Edge	10	132322	1740	1	MID	-0.11	0.033	21.34	22.00	1.164	0.038	/
	State1&3			10	132322	1740	50	LOW	-0.14	0.031	21.33	22.00	1.167	0.036	/
	State1&3		Bottom Edge	10	132322	1745	1	MID	-0.04	0.758	21.34	22.00	1.164	0.882	46#
	State1&3			10	132322	1745	50	LOW	0.15	0.722	21.33	22.00	1.167	0.843	/
	State1&3			10	132072	1720	1	MID	-0.07	0.734	21.24	22.00	1.191	0.874	/
	State1&3			10	132572	1770	1	MID	0.01	0.688	21.18	22.00	1.208	0.831	/
	State1&3			10	132072	1720	50	HIGH	0.12	0.623	21.30	22.00	1.175	0.732	/
	State1&3			10	132572	1770	50	LOW	-0.06	0.699	21.28	22.00	1.180	0.825	/
	State1&3			10	132572	1770	100	LOW	0.08	0.655	21.25	22.00	1.189	0.779	/
Ant.3	State5	QPSK	Front Side	10	132272	1740	1	MID	-0.08	0.288	19.83	20.50	1.167	0.336	/
	State5			10	132272	1740	50	LOW	0.10	0.266	19.80	20.50	1.175	0.313	/
	State5		Back Side	10	132272	1740	1	MID	0.07	0.323	19.83	20.50	1.167	0.377	/
	State5			10	132272	1740	50	LOW	0.12	0.316	19.80	20.50	1.175	0.371	/
	State5		Left Edge	10	132272	1740	1	MID	0.16	0.085	19.83	20.50	1.167	0.099	/
	State5			10	132272	1740	50	LOW	-0.18	0.083	19.80	20.50	1.175	0.098	/
	State5		Right Edge	10	132272	1740	1	MID	-0.09	0.053	19.83	20.50	1.167	0.062	/
	State5			10	132272	1740	50	LOW	0.15	0.051	19.80	20.50	1.175	0.060	/
	State5		Top Edge	10	132272	1740	1	MID	-0.17	0.021	19.83	20.50	1.167	0.025	/
	State5			10	132272	1740	50	LOW	0.05	0.018	19.80	20.50	1.175	0.021	/
	State5		Bottom Edge	10	132272	1740	1	MID	-0.11	0.522	19.83	20.50	1.167	0.609	/
	State5			10	132272	1740	50	LOW	0.01	0.516	19.80	20.50	1.175	0.606	/
Ant.3(ENDC)	State1&3&5	QPSK	Front Side	10	132322	1745	1	MID	-0.13	0.134	17.44	17.50	1.014	0.136	/
	State1&3&5			10	132322	1745	50	LOW	-0.14	0.131	17.41	17.50	1.021	0.134	/
	State1&3&5		Back Side	10	132322	1745	1	MID	0.18	0.162	17.44	17.50	1.014	0.164	/
	State1&3&5			10	132322	1745	50	LOW	-0.06	0.157	17.41	17.50	1.021	0.160	/
	State1&3&5		Left Edge	10	132322	1745	1	MID	0.14	0.056	17.44	17.50	1.014	0.057	/
	State1&3&5			10	132322	1745	50	LOW	0.07	0.051	17.41	17.50	1.021	0.052	/
	State1&3&5		Right Edge	10	132322	1745	1	MID	-0.10	0.025	17.44	17.50	1.014	0.025	/
	State1&3&5			10	132322	1745	50	LOW	-0.02	0.022	17.41	17.50	1.021	0.022	/
	State1&3&5		Top Edge	10	132322	1745	1	MID	-0.18	0.011	17.44	17.50	1.014	0.011	/
	State1&3&5			10	132322	1745	50	LOW	-0.01	0.009	17.41	17.50	1.021	0.009	/
	State1&3&5		Bottom Edge	10	132322	1745	1	MID	-0.12	0.233	17.44	17.50	1.014	0.236	/
	State1&3&5			10	132322	1745	50	LOW	0.19	0.241	17.41	17.50	1.021	0.246	/
Ant.1(ENDC)	State1&3&5	QPSK	Front Side	10	132572	1770	1	MID	-0.01	0.052	19.49	20.50	1.262	0.066	/
	State1&3&5			10	132572	1770	50	LOW	-0.04	0.051	19.57	20.50	1.239	0.063	/
	State1&3&5		Back Side	10	132572	1770	1	MID	0.00	0.083	19.49	20.50	1.262	0.105	/
	State1&3&5			10	132572	1770	50	LOW	-0.11	0.077	19.57	20.50	1.239	0.095	/
	State1&3&5		Left Edge	10	132572	1770	1	MID	0.18	0.034	19.49	20.50	1.262	0.043	/
	State1&3&5			10	132572	1770	50	LOW	0.05	0.031	19.57	20.50	1.239	0.038	/
	State1&3&5		Right Edge	10	132572	1770	1	MID	0.16	0.188	19.49	20.50	1.262	0.237	/

	State1&3&5		Top Edge	10	132572	1770	50	LOW	0.17	0.196	19.57	20.50	1.239	0.243	/	
	State1&3&5			10	132572	1770	1	MID	-0.18	0.034	19.49	20.50	1.262	0.043	/	
	State1&3&5			10	132572	1770	50	LOW	-0.18	0.031	19.57	20.50	1.239	0.038	/	
	State1&3&5			Bottom Edge	10	132572	1770	1	MID	0.07	0.012	19.49	20.50	1.262	0.015	/
	State1&3&5				10	132572	1770	50	LOW	0.17	0.009	19.57	20.50	1.239	0.011	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
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Specific

Ant.3	State1&3	QPSK	Bottom Edge	0	132322	1745	1	MID	-0.04	1.030	21.34	22.00	1.164	1.199	47#
	State1&3			0	132322	1745	50	LOW	0.09	1.010	21.33	22.00	1.167	1.179	/

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

11.15 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	State2&4	QPSK	Left Cheek	0	38000	2595	1	LOW	0.13	0.181	15.94	17.50	1.432	0.259	/
	State2&4			0	38000	2595	50	LOW	0.04	0.194	15.90	17.50	1.445	0.280	/
	State2&4		Left Tilt	0	38000	2595	1	LOW	-0.11	0.255	15.94	17.50	1.432	0.365	/
	State2&4			0	38000	2595	50	LOW	0.00	0.243	15.90	17.50	1.445	0.351	/
	State2&4		Right Cheek	0	38000	2595	1	LOW	0.02	0.289	15.94	17.50	1.432	0.414	/
	State2&4			0	38000	2595	50	LOW	0.12	0.286	15.90	17.50	1.445	0.413	/
	State2&4		Right Tilt	0	38000	2595	1	LOW	-0.04	0.396	15.94	17.50	1.432	0.567	48#
	State2&4			0	38000	2595	50	LOW	0.12	0.388	15.90	17.50	1.445	0.561	/
Ant.4	State6	QPSK	Left Cheek	0	38000	2595	1	LOW	0.18	0.121	14.93	16.50	1.435	0.174	/
	State6			0	38000	2595	50	LOW	0.04	0.122	14.90	16.50	1.445	0.176	/
	State6		Left Tilt	0	38000	2595	1	LOW	0.00	0.174	14.93	16.50	1.435	0.250	/
	State6			0	38000	2595	50	LOW	0.10	0.168	14.90	16.50	1.445	0.243	/
	State6		Right Cheek	0	38000	2595	1	LOW	0.10	0.193	14.93	16.50	1.435	0.277	/
	State6			0	38000	2595	50	LOW	0.00	0.186	14.90	16.50	1.445	0.269	/
	State6		Right Tilt	0	38000	2595	1	LOW	-0.01	0.233	14.93	16.50	1.435	0.334	/
	State6			0	38000	2595	50	LOW	0.08	0.245	14.90	16.50	1.445	0.354	/
Ant.3	State2&4&6	QPSK	Left Cheek	0	38150	2610	1	LOW	0.12	0.119	23.76	24.00	1.057	0.126	/
	State2&4&6			0	38000	2595	50	MID	-0.06	0.125	22.65	23.00	1.084	0.136	/
	State2&4&6		Left Tilt	0	38150	2610	1	LOW	-0.02	0.050	23.76	24.00	1.057	0.053	/
	State2&4&6			0	38000	2595	50	MID	0.17	0.050	22.65	23.00	1.084	0.054	/
	State2&4&6		Right Cheek	0	38150	2610	1	LOW	0.04	0.092	23.76	24.00	1.057	0.097	/
	State2&4&6			0	38000	2595	50	MID	-0.06	0.098	22.65	23.00	1.084	0.106	/
	State2&4&6		Right Tilt	0	38150	2610	1	LOW	-0.01	0.041	23.76	24.00	1.057	0.043	/
	State2&4&6			0	38000	2595	50	MID	0.15	0.049	22.65	23.00	1.084	0.053	/
Body-worn															
Ant.4	State1&3&5	QPSK	Front Side	15	38000	2595	1	MID	-0.04	0.101	20.39	22.00	1.449	0.146	/
	State1&3&5			15	38000	2595	50	MID	0.01	0.098	20.31	22.00	1.476	0.145	/
	State1&3&5		Back Side	15	38000	2595	1	MID	0.04	0.112	20.39	22.00	1.449	0.162	/
	State1&3&5			15	38000	2595	50	MID	0.12	0.109	20.31	22.00	1.476	0.161	/
Ant.3	State1&3&5	QPSK	Front Side	15	38150	2610	1	LOW	0.15	0.181	21.54	22.00	1.112	0.201	/
	State1&3&5			15	38000	2595	50	MID	-0.16	0.177	21.37	22.00	1.156	0.205	/
	State1&3&5		Back Side	15	38150	2610	1	LOW	0.01	0.224	21.54	22.00	1.112	0.249	49#
	State1&3&5			15	38000	2595	50	MID	0.09	0.208	21.37	22.00	1.156	0.240	/
Hotspot															
Ant.4	State1&3&5	QPSK	Front Side	10	38000	2595	1	MID	-0.14	0.167	20.39	22.00	1.449	0.242	/
	State1&3&5			10	38000	2595	50	MID	0.06	0.162	20.31	22.00	1.476	0.239	/
	State1&3&5		Back Side	10	38000	2595	1	MID	0.08	0.223	20.39	22.00	1.449	0.323	/

State1&3&5			Left Edge	10	38000	2595	50	MID	0.07	0.219	20.31	22.00	1.476	0.323	/			
				10	38000	2595	1	MID	0.02	0.035	20.39	22.00	1.449	0.051	/			
				10	38000	2595	50	MID	0.08	0.031	20.31	22.00	1.476	0.046	/			
			State1&3&5			Right Edge	10	38000	2595	1	MID	0.06	0.071	20.39	22.00	1.449	0.103	/
							10	38000	2595	50	MID	0.11	0.066	20.31	22.00	1.476	0.097	/
			State1&3&5			Top Edge	10	38000	2595	1	MID	-0.06	0.466	20.39	22.00	1.449	0.675	/
							10	38000	2595	50	MID	-0.19	0.458	20.31	22.00	1.476	0.676	/
			State1&3&5			Bottom Edge	10	38000	2595	1	MID	-0.16	0.026	20.39	22.00	1.449	0.038	/
							10	38000	2595	50	MID	-0.16	0.023	20.31	22.00	1.476	0.034	/
Ant.3	QPSK	Front Side	10	38150	2610	1	LOW	-0.17	0.322	21.54	22.00	1.112	0.358	/				
			10	38000	2595	50	MID	-0.10	0.306	21.37	22.00	1.156	0.354	/				
		Back Side	10	38150	2610	1	LOW	-0.11	0.388	21.54	22.00	1.112	0.431	/				
			10	38000	2595	50	MID	0.19	0.365	21.37	22.00	1.156	0.422	/				
		Left Edge	10	38150	2610	1	LOW	0.19	0.093	21.54	22.00	1.112	0.103	/				
			10	38000	2595	50	MID	-0.02	0.084	21.37	22.00	1.156	0.097	/				
		Right Edge	10	38150	2610	1	LOW	0.18	0.082	21.54	22.00	1.112	0.091	/				
			10	38000	2595	50	MID	0.02	0.075	21.37	22.00	1.156	0.087	/				
		Top Edge	10	38150	2610	1	LOW	0.06	0.033	21.54	22.00	1.112	0.037	/				
			10	38000	2595	50	MID	-0.16	0.031	21.37	22.00	1.156	0.036	/				
		Bottom Edge	10	38150	2610	1	LOW	0.01	0.616	21.54	22.00	1.112	0.685	50#				
			10	38000	2595	50	MID	-0.07	0.588	21.37	22.00	1.156	0.680	/				

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

11.16 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.4	State2&4	QPSK	Left Cheek	0	40620	2593	1	MID	-0.19	0.356	16.13	17.50	1.371	0.488	/
	State2&4			0	40620	2593	50	LOW	0.18	0.351	16.15	17.50	1.365	0.479	/
	State2&4		Left Tilt	0	40620	2593	1	MID	0.11	0.433	16.13	17.50	1.371	0.594	/
	State2&4			0	40620	2593	50	LOW	-0.01	0.425	16.15	17.50	1.365	0.580	/
	State2&4		Right Cheek	0	40620	2593	1	MID	0.08	0.441	16.13	17.50	1.371	0.605	/
	State2&4			0	40620	2593	50	LOW	0.06	0.452	16.15	17.50	1.365	0.617	/
	State2&4		Right Tilt	0	40620	2593	1	MID	0.01	0.493	16.13	17.50	1.371	0.676	51#
	State2&4			0	40620	2593	50	LOW	-0.11	0.482	16.15	17.50	1.365	0.658	/
Ant.4	State6	QPSK	Left Cheek	0	40620	2593	1	MID	-0.18	0.271	15.23	16.50	1.340	0.363	/
	State6			0	40620	2593	50	LOW	-0.17	0.266	15.27	16.50	1.327	0.353	/
	State6		Left Tilt	0	40620	2593	1	MID	-0.19	0.335	15.23	16.50	1.340	0.449	/
	State6			0	40620	2593	50	LOW	0.01	0.326	15.27	16.50	1.327	0.433	/
	State6		Right Cheek	0	40620	2593	1	MID	0.04	0.343	15.23	16.50	1.340	0.460	/
	State6			0	40620	2593	50	LOW	0.03	0.341	15.27	16.50	1.327	0.453	/
	State6		Right Tilt	0	40620	2593	1	MID	0.09	0.385	15.23	16.50	1.340	0.516	/
	State6			0	40620	2593	50	LOW	-0.12	0.371	15.27	16.50	1.327	0.492	/
Ant.3	State2&4&6	QPSK	Left Cheek	0	40620	2593	1	LOW	-0.02	0.109	24.02	24.50	1.117	0.122	/
	State2&4&6			0	40620	2593	50	LOW	-0.10	0.106	22.88	23.50	1.153	0.122	/
	State2&4&6		Left Tilt	0	40620	2593	1	LOW	-0.09	0.049	24.02	24.50	1.117	0.055	/
	State2&4&6			0	40620	2593	50	LOW	-0.10	0.048	22.88	23.50	1.153	0.055	/
	State2&4&6		Right Cheek	0	40620	2593	1	LOW	0.02	0.084	24.02	24.50	1.117	0.094	/
	State2&4&6			0	40620	2593	50	LOW	0.14	0.081	22.88	23.50	1.153	0.093	/
	State2&4&6		Right Tilt	0	40620	2593	1	LOW	0.02	0.039	24.02	24.50	1.117	0.044	/
	State2&4&6			0	40620	2593	50	LOW	-0.04	0.044	22.88	23.50	1.153	0.051	/
Body-worn															
Ant.4	State1	QPSK	Front Side	15	40620	2593	1	MID	0.11	0.073	19.54	21.00	1.400	0.102	/
	State1			15	40620	2593	50	MID	0.19	0.068	19.58	21.00	1.387	0.094	/
	State1		Back Side	15	40620	2593	1	MID	0.12	0.085	19.54	21.00	1.400	0.119	/
	State1			15	40620	2593	50	MID	-0.08	0.081	19.58	21.00	1.387	0.112	/
Ant.4	State3&5	QPSK	Front Side	15	40620	2593	1	MID	-0.08	0.056	18.06	19.50	1.393	0.078	/
	State3&5			15	40620	2593	50	MID	-0.06	0.051	18.19	19.50	1.352	0.069	/
	State3&5		Back Side	15	40620	2593	1	MID	-0.11	0.063	18.06	19.50	1.393	0.088	/
	State3&5			15	40620	2593	50	MID	-0.08	0.062	18.19	19.50	1.352	0.084	/
Ant.3	State1&3	QPSK	Front Side	15	40620	2593	1	LOW	-0.12	0.115	20.14	21.00	1.219	0.140	/
	State1&3			15	40620	2593	50	LOW	0.08	0.113	20.22	21.00	1.197	0.135	/
	State1&3		Back Side	15	40620	2593	1	LOW	0.00	0.137	20.14	21.00	1.219	0.167	52#
	State1&3			15	40620	2593	50	LOW	-0.11	0.131	20.22	21.00	1.197	0.157	/

Ant.3	State5	QPSK	Front Side	15	40620	2593	1	LOW	0.15	0.083	18.87	19.50	1.156	0.096	/
	State5			15	40620	2593	50	LOW	0.12	0.081	18.77	19.50	1.183	0.096	/
	State5		Back Side	15	40620	2593	1	LOW	0.05	0.106	18.87	19.50	1.156	0.123	/
	State5			15	40620	2593	50	LOW	0.06	0.099	18.77	19.50	1.183	0.117	/
Hotspot															
Ant.4	State3&5	QPSK	Front Side	10	40620	2593	1	2593	-0.07	0.096	18.06	19.50	1.393	0.134	/
	State3&5			10	40620	2593	50	2593	0.16	0.091	18.19	19.50	1.352	0.123	/
	State3&5		Back Side	10	40620	2593	1	2593	-0.05	0.133	18.06	19.50	1.393	0.185	/
	State3&5			10	40620	2593	50	2593	0.15	0.128	18.19	19.50	1.352	0.173	/
	State3&5		Left Edge	10	40620	2593	1	2593	-0.11	0.052	18.06	19.50	1.393	0.072	/
	State3&5			10	40620	2593	50	2593	0.10	0.045	18.19	19.50	1.352	0.061	/
	State3&5		Right Edge	10	40620	2593	1	2593	0.19	0.033	18.06	19.50	1.393	0.046	/
	State3&5			10	40620	2593	50	2593	0.11	0.031	18.19	19.50	1.352	0.042	/
	State3&5		Top Edge	10	40620	2593	1	2593	-0.12	0.266	18.06	19.50	1.393	0.371	/
	State3&5			10	40620	2593	50	2593	0.07	0.261	18.19	19.50	1.352	0.353	/
	State3&5		Bottom Edge	10	40620	2593	1	2593	-0.09	0.052	18.06	19.50	1.393	0.072	/
	State3&5			10	40620	2593	50	2593	0.11	0.048	18.19	19.50	1.352	0.065	/
Ant.3	State1&3	QPSK	Front Side	10	40620	2593	1	LOW	-0.02	0.223	20.14	21.00	1.219	0.272	/
	State1&3			10	40620	2593	50	LOW	0.04	0.216	20.22	21.00	1.197	0.259	/
	State1&3		Back Side	10	40620	2593	1	LOW	-0.19	0.255	20.14	21.00	1.219	0.311	/
	State1&3			10	40620	2593	50	LOW	0.08	0.248	20.22	21.00	1.197	0.297	/
	State1&3		Left Edge	10	40620	2593	1	LOW	-0.06	0.071	20.14	21.00	1.219	0.087	/
	State1&3			10	40620	2593	50	LOW	0.07	0.076	20.22	21.00	1.197	0.091	/
	State1&3		Right Edge	10	40620	2593	1	LOW	0.06	0.053	20.14	21.00	1.219	0.065	/
	State1&3			10	40620	2593	50	LOW	0.13	0.051	20.22	21.00	1.197	0.061	/
	State1&3		Top Edge	10	40620	2593	1	LOW	-0.13	0.022	20.14	21.00	1.219	0.027	/
	State1&3			10	40620	2593	50	LOW	-0.06	0.026	20.22	21.00	1.197	0.031	/
	State1&3		Bottom Edge	10	40620	2593	1	LOW	0.02	0.499	20.14	21.00	1.219	0.608	53#
	State1&3			10	40620	2593	50	LOW	-0.04	0.487	20.22	21.00	1.197	0.583	/
Ant.3	State5	QPSK	Front Side	10	40620	2593	1	LOW	0.03	0.152	18.87	19.50	1.156	0.176	/
	State5			10	40620	2593	50	LOW	0.09	0.145	18.77	19.50	1.183	0.172	/
	State5		Back Side	10	40620	2593	1	LOW	-0.08	0.188	18.87	19.50	1.156	0.217	/
	State5			10	40620	2593	50	LOW	-0.08	0.174	18.77	19.50	1.183	0.206	/
	State5		Left Edge	10	40620	2593	1	LOW	-0.09	0.056	18.87	19.50	1.156	0.065	/
	State5			10	40620	2593	50	LOW	0.15	0.061	18.77	19.50	1.183	0.072	/
	State5		Right Edge	10	40620	2593	1	LOW	0.15	0.034	18.87	19.50	1.156	0.039	/
	State5			10	40620	2593	50	LOW	0.19	0.038	18.77	19.50	1.183	0.045	/
	State5		Top Edge	10	40620	2593	1	LOW	-0.10	0.016	18.87	19.50	1.156	0.018	/
	State5			10	40620	2593	50	LOW	0.15	0.017	18.77	19.50	1.183	0.020	/
	State5		Bottom Edge	10	40620	2593	1	LOW	-0.02	0.311	18.87	19.50	1.156	0.360	/
	State5			10	40620	2593	50	LOW	0.04	0.306	18.77	19.50	1.183	0.362	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.3	State1&3	QPSK	Bottom Edge	0	40620	2593	1	LOW	-0.02	1.240	20.14	21.00	1.219	1.512	54#
	State1&3			0	40620	2593	50	LOW	0.13	1.210	20.22	21.00	1.197	1.448	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.17 5G n5 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant. 1	State2&4&6	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	106	1	1	-0.15	0.131	22.51	24.20	1.476	0.193	/
	0				167300	836.5	106	50	0	0.02	0.125	22.89	24.20	1.352	0.169	/	
	State2&4&6			Left Tilt	0	167300	836.5	106	1	1	-0.13	0.071	22.51	24.20	1.476	0.105	/
	State2&4&6				0	167300	836.5	106	50	0	-0.15	0.068	22.89	24.20	1.352	0.092	/
	State2&4&6			Right Cheek	0	167300	836.5	106	1	1	0.02	0.223	22.51	24.20	1.476	0.329	55#
	State2&4&6				0	167300	836.5	106	50	0	0.17	0.216	22.89	24.20	1.352	0.292	/
	State2&4&6			Right Tilt	0	167300	836.5	106	1	1	0.15	0.142	22.51	24.20	1.476	0.210	/
	State2&4&6				0	167300	836.5	106	50	0	0.05	0.135	22.89	24.20	1.352	0.183	/
Ant. 1	State2&4&6	DFT-s-OFDM BPSK	NSA	Left Cheek	0	167300	836.5	106	1	1	-0.09	0.121	22.51	23.70	1.315	0.159	/
	0				167300	836.5	106	50	0	0.01	0.115	22.89	23.70	1.205	0.139	/	
	State2&4&6			Left Tilt	0	167300	836.5	106	1	1	-0.07	0.081	22.51	23.70	1.315	0.107	/
	State2&4&6				0	167300	836.5	106	50	0	0.18	0.058	22.89	23.70	1.205	0.070	/
	State2&4&6			Right Cheek	0	167300	836.5	106	1	1	-0.09	0.213	22.51	23.70	1.315	0.280	/
	State2&4&6				0	167300	836.5	106	50	0	0.11	0.226	22.89	23.70	1.205	0.272	/
	State2&4&6			Right Tilt	0	167300	836.5	106	1	1	-0.19	0.132	22.51	23.70	1.315	0.174	/
	State2&4&6				0	167300	836.5	106	50	0	-0.15	0.145	22.89	23.70	1.205	0.175	/
Ant. 0	State2&4&6	DFT-s-OFDM BPSK	SA&NSA	Left Cheek	0	167300	836.5	106	1	1	0.01	0.054	22.29	24.20	1.552	0.084	/
	0				167300	836.5	106	50	0	-0.01	0.060	22.33	24.20	1.538	0.092	/	
	State2&4&6			Left Tilt	0	167300	836.5	106	1	1	0.03	0.022	22.29	24.20	1.552	0.034	/
	State2&4&6				0	167300	836.5	106	50	0	0.13	0.021	22.33	24.20	1.538	0.032	/
	State2&4&6			Right Cheek	0	167300	836.5	106	1	1	0.14	0.043	22.29	24.20	1.552	0.067	/
	State2&4&6				0	167300	836.5	106	50	0	-0.18	0.041	22.33	24.20	1.538	0.063	/
	State2&4&6			Right Tilt	0	167300	836.5	106	1	1	-0.08	0.032	22.29	24.20	1.552	0.050	/
	State2&4&6				0	167300	836.5	106	50	0	-0.04	0.028	22.33	24.20	1.538	0.043	/
Body-worn																	
Ant. 1	State1&3&5	DFT-s-OFDM BPSK	SA&NSA	Front Side	15	167300	836.5	106	1	1	-0.12	0.026	22.51	24.20	1.476	0.038	/
	15				167300	836.5	106	50	0	0.09	0.031	22.89	24.20	1.352	0.042	/	
	State1&3&5			Back Side	15	167300	836.5	106	1	1	-0.07	0.051	22.51	24.20	1.476	0.075	/
	State1&3&5				15	167300	836.5	106	50	0	-0.19	0.048	22.89	24.20	1.352	0.065	/
Ant. 0	State1&3&5	DFT-s-OFDM BPSK	SA	Front Side	15	167300	836.5	106	1	1	-0.05	0.044	22.29	24.20	1.552	0.068	/
	15				167300	836.5	106	50	0	-0.05	0.049	22.33	24.20	1.538	0.075	/	
	State1&3&5			Back Side	15	167300	836.5	106	1	1	0.00	0.066	22.29	24.20	1.552	0.102	56#
	State1&3&5				15	167300	836.5	106	50	0	0.18	0.061	22.33	24.20	1.538	0.094	/
Ant. 0	State5	DFT-s-OFDM BPSK	NSA	Front Side	15	167300	836.5	106	1	1	0.13	0.028	22.29	23.20	1.233	0.035	/
	15				167300	836.5	106	50	0	0.03	0.026	22.33	23.20	1.222	0.032	/	
	State5			Back Side	15	167300	836.5	106	1	1	0.15	0.048	22.29	23.20	1.233	0.059	/
	State5				15	167300	836.5	106	50	0	-0.09	0.044	22.33	23.20	1.222	0.054	/

Hotspot																	
Ant.1	State1&3&5	DFT-s-OFDM BPSK	SA&NSA	Front Side	10	167300	836.5	106	1	1	-0.11	0.061	22.51	24.20	1.476	0.090	/
	State1&3&5				10	167300	836.5	106	50	0	0.06	0.058	22.89	24.20	1.352	0.078	/
	State1&3&5			Back Side	10	167300	836.5	106	1	1	-0.08	0.082	22.51	24.20	1.476	0.121	/
	State1&3&5				10	167300	836.5	106	50	0	0.12	0.081	22.89	24.20	1.352	0.110	/
	State1&3&5			Left Edge	10	167300	836.5	106	1	1	0.07	0.033	22.51	24.20	1.476	0.049	/
	State1&3&5				10	167300	836.5	106	50	0	-0.12	0.031	22.89	24.20	1.352	0.042	/
	State1&3&5			Right Edge	10	167300	836.5	106	1	1	-0.01	0.097	22.51	24.20	1.476	0.143	/
	State1&3&5				10	167300	836.5	106	50	0	0.18	0.095	22.89	24.20	1.352	0.128	/
	State1&3&5			Top Edge	10	167300	836.5	106	1	1	0.07	0.022	22.51	24.20	1.476	0.032	/
	State1&3&5				10	167300	836.5	106	50	0	0.02	0.021	22.89	24.20	1.352	0.028	/
	State1&3&5			Bottom Edge	10	167300	836.5	106	1	1	0.05	0.016	22.51	24.20	1.476	0.024	/
	State1&3&5				10	167300	836.5	106	50	0	-0.16	0.013	22.89	24.20	1.352	0.018	/
Ant.0	State1&3&5	DFT-s-OFDM BPSK	SA&NSA	Front Side	10	167300	836.5	106	1	1	-0.02	0.071	22.29	24.20	1.552	0.110	/
	State1&3&5				10	167300	836.5	106	50	0	0.00	0.068	22.33	24.20	1.538	0.105	/
	State1&3&5			Back Side	10	167300	836.5	106	1	1	-0.03	0.126	22.29	24.20	1.552	0.196	57#
	State1&3&5				10	167300	836.5	106	50	0	-0.13	0.121	22.33	24.20	1.538	0.186	/
	State1&3&5			Left Edge	10	167300	836.5	106	1	1	-0.11	0.003	22.29	24.20	1.552	0.005	/
	State1&3&5				10	167300	836.5	106	50	0	0.17	0.002	22.33	24.20	1.538	0.003	/
	State1&3&5			Right Edge	10	167300	836.5	106	1	1	-0.05	0.062	22.29	24.20	1.552	0.096	/
	State1&3&5				10	167300	836.5	106	50	0	-0.12	0.061	22.33	24.20	1.538	0.094	/
	State1&3&5			Top Edge	10	167300	836.5	106	1	1	0.02	0.003	22.29	24.20	1.552	0.005	/
	State1&3&5				10	167300	836.5	106	50	0	0.09	0.004	22.33	24.20	1.538	0.006	/
	State1&3&5			Bottom Edge	10	167300	836.5	106	1	1	-0.16	0.092	22.29	24.20	1.552	0.143	/
	State1&3&5				10	167300	836.5	106	50	0	-0.01	0.089	22.33	24.20	1.538	0.137	/
Ant.0	State5	DFT-s-OFDM BPSK	NSA	Front Side	10	167300	836.5	106	1	1	0.12	0.052	22.29	23.20	1.233	0.064	/
	State5				10	167300	836.5	106	50	0	0.02	0.051	22.33	23.20	1.222	0.062	/
	State5			Back Side	10	167300	836.5	106	1	1	0.18	0.106	22.29	23.20	1.233	0.131	/
	State5				10	167300	836.5	106	50	0	0.10	0.101	22.33	23.20	1.222	0.123	/
	State5			Left Edge	10	167300	836.5	106	1	1	0.13	0.003	22.29	23.20	1.233	0.004	/
	State5				10	167300	836.5	106	50	0	0.05	0.003	22.33	23.20	1.222	0.004	/
	State5			Right Edge	10	167300	836.5	106	1	1	-0.08	0.045	22.29	23.20	1.233	0.055	/
	State5				10	167300	836.5	106	50	0	0.06	0.042	22.33	23.20	1.222	0.051	/
	State5			Top Edge	10	167300	836.5	106	1	1	0.08	0.003	22.29	23.20	1.233	0.004	/
	State5				10	167300	836.5	106	50	0	0.18	0.002	22.33	23.20	1.222	0.002	/
	State5			Bottom Edge	10	167300	836.5	106	1	1	0.19	0.076	22.29	23.20	1.233	0.094	/
	State5				10	167300	836.5	106	50	0	-0.16	0.073	22.33	23.20	1.222	0.089	/

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

11.18 5G n7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.4	State2&4&6	DFT-s-OFDM BPSK	SA&NSA	Left Cheek	0	502000	2510	106	1	53	-0.01	0.303	15.27	16.00	1.183	0.358	/
	0				507000	2535	106	50	28	0.05	0.312	15.45	16.00	1.135	0.354	/	
	State2&4&6			Left Tilt	0	502000	2510	106	1	1	-0.18	0.358	15.27	16.00	1.183	0.424	/
	State2&4&6				0	507000	2535	106	50	0	0.04	0.334	15.45	16.00	1.135	0.379	/
	State2&4&6			Right Cheek	0	502000	2510	106	1	1	-0.16	0.422	15.27	16.00	1.183	0.499	/
	State2&4&6				0	507000	2535	106	50	0	-0.03	0.435	15.45	16.00	1.135	0.494	/
	State2&4&6			Right Tilt	0	502000	2510	106	1	1	-0.08	0.623	15.27	16.00	1.183	0.737	/
	State2&4&6				0	507000	2535	106	50	0	-0.01	0.686	15.45	16.00	1.135	0.779	58#
Ant.4	State6	DFT-s-OFDM BPSK	NSA	Left Cheek	0	507000	2535	106	1	1	0.15	0.252	14.63	15.20	1.140	0.287	/
	0				507000	2535	106	50	0	-0.01	0.260	14.79	15.20	1.099	0.286	/	
	State6			Left Tilt	0	507000	2535	106	1	1	-0.03	0.298	14.63	15.20	1.140	0.340	/
	State6				0	507000	2535	106	50	0	-0.01	0.260	14.79	15.20	1.099	0.286	/
	State6			Right Cheek	0	507000	2535	106	1	1	0.18	0.351	14.63	15.20	1.140	0.400	/
	State6				0	507000	2535	106	50	0	0.14	0.362	14.79	15.20	1.099	0.398	/
	State6			Right Tilt	0	507000	2535	106	1	1	0.10	0.431	14.63	15.20	1.140	0.491	/
	State6				0	507000	2535	106	50	0	0.05	0.465	14.79	15.20	1.099	0.511	/
Ant.3	State2&4&6	DFT-s-OFDM BPSK	SA&NSA	Left Cheek	0	507000	2535	106	1	1	0.04	0.041	22.20	23.70	1.413	0.058	/
	0				507000	2535	106	50	0	0.02	0.042	22.37	23.70	1.358	0.057	/	
	State2&4&6			Left Tilt	0	507000	2535	106	1	1	0.09	0.022	22.20	23.70	1.413	0.031	/
	State2&4&6				0	507000	2535	106	50	0	-0.07	0.021	22.37	23.70	1.358	0.029	/
	State2&4&6			Right Cheek	0	507000	2535	106	1	1	-0.13	0.083	22.20	23.70	1.413	0.117	/
	State2&4&6				0	507000	2535	106	50	0	-0.07	0.099	22.37	23.70	1.358	0.134	/
	State2&4&6			Right Tilt	0	507000	2535	106	1	1	-0.04	0.045	22.20	23.70	1.413	0.064	/
	State2&4&6				0	507000	2535	106	50	0	0.11	0.041	22.37	23.70	1.358	0.056	/
Ant.1	State2&4&6	DFT-s-OFDM BPSK	SA&NSA	Left Cheek	0	507000	2535	106	1	1	-0.08	0.077	22.43	23.70	1.340	0.103	/
	0				507000	2535	106	50	0	-0.19	0.098	22.32	23.70	1.374	0.135	/	
	State2&4&6			Left Tilt	0	507000	2535	106	1	1	0.10	0.045	22.43	23.70	1.340	0.060	/
	State2&4&6				0	507000	2535	106	50	0	0.10	0.043	22.32	23.70	1.374	0.059	/
	State2&4&6			Right Cheek	0	507000	2535	106	1	1	-0.13	0.225	22.43	23.70	1.340	0.302	/
	State2&4&6				0	507000	2535	106	50	0	-0.19	0.208	22.32	23.70	1.374	0.286	/
	State2&4&6			Right Tilt	0	507000	2535	106	1	1	-0.15	0.082	22.43	23.70	1.340	0.110	/
	State2&4&6				0	507000	2535	106	50	0	-0.07	0.059	22.32	23.70	1.374	0.081	/
Body-worn																	
Ant.4	State1	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	106	1	1	-0.11	0.161	19.75	20.70	1.245	0.200	/
	15				507000	2535	106	50	0	0.15	0.158	19.85	20.70	1.216	0.192	/	
	State1			Back Side	15	507000	2535	106	1	1	-0.03	0.208	19.75	20.70	1.245	0.259	59#
	State1				15	507000	2535	106	50	0	-0.11	0.199	19.85	20.70	1.216	0.242	/

Ant.4	State3&5	DFT-s-OFDM	SA	Front Side	15	507000	2535	106	1	1	-0.19	0.112	17.77	18.70	1.239	0.139	/
	State3&5				15	507000	2535	106	50	0	0.14	0.106	17.87	18.70	1.211	0.128	/
	State3&5	BPSK		Back Side	15	507000	2535	106	1	1	-0.12	0.141	17.77	18.70	1.239	0.175	/
	State3&5				15	507000	2535	106	50	0	0.06	0.135	17.87	18.70	1.211	0.163	/
Ant.4	State1	DFT-s-OFDM	NSA	Front Side	15	507000	2535	106	1	1	-0.19	0.112	17.77	18.70	1.239	0.139	/
	State1				15	507000	2535	106	50	0	0.14	0.106	17.87	18.70	1.211	0.128	/
	State1	BPSK		Back Side	15	507000	2535	106	1	1	-0.12	0.141	17.77	18.70	1.239	0.175	/
	State1				15	507000	2535	106	50	0	0.06	0.135	17.87	18.70	1.211	0.163	/
Ant.4	State3&5	DFT-s-OFDM	NSA	Front Side	15	507000	2535	106	1	53	-0.19	0.063	15.23	15.70	1.114	0.070	/
	State3&5				15	504000	2520	106	50	28	0.14	0.060	15.37	15.70	1.079	0.065	/
	State3&5	BPSK		Back Side	15	507000	2535	106	1	53	-0.12	0.078	15.23	15.70	1.114	0.087	/
	State3&5				15	504000	2520	106	50	28	0.06	0.061	15.37	15.70	1.079	0.066	/
Ant.3	State1&3	DFT-s-OFDM	SA	Front Side	15	507000	2535	106	1	1	-0.04	0.022	18.23	19.70	1.403	0.031	/
	State1&3				15	507000	2535	106	50	0	0.08	0.025	18.25	19.70	1.396	0.035	/
	State1&3	BPSK		Back Side	15	507000	2535	106	1	1	-0.14	0.035	17.98	19.70	1.486	0.052	/
	State1&3				15	507000	2535	106	50	0	0.14	0.030	18.25	19.70	1.396	0.042	/
Ant.3	State5	DFT-s-OFDM	SA	Front Side	15	507000	2535	106	1	1	0.03	0.014	17.25	18.20	1.245	0.017	/
	State5				15	507000	2535	106	50	0	-0.03	0.015	17.36	18.20	1.213	0.018	/
	State5	BPSK		Back Side	15	507000	2535	106	1	1	-0.07	0.026	17.25	18.20	1.245	0.032	/
	State5				15	507000	2535	106	50	0	-0.17	0.023	17.36	18.20	1.213	0.028	/
Ant.3	State1&3	DFT-s-OFDM	NSA	Front Side	15	507000	2535	106	1	1	0.03	0.014	17.25	18.20	1.245	0.017	/
	State1&3				15	507000	2535	106	50	0	-0.03	0.015	17.36	18.20	1.213	0.018	/
	State1&3	BPSK		Back Side	15	507000	2535	106	1	1	-0.07	0.026	17.25	18.20	1.245	0.032	/
	State1&3				15	507000	2535	106	50	0	-0.17	0.023	17.36	18.20	1.213	0.028	/
Ant.3	State5	DFT-s-OFDM	NSA	Front Side	15	507000	2535	106	1	1	0.00	0.009	14.75	15.20	1.109	0.010	/
	State5				15	507000	2535	106	50	0	-0.18	0.008	14.93	15.20	1.064	0.009	/
	State5	BPSK		Back Side	15	507000	2535	106	1	1	0.18	0.016	14.75	15.20	1.109	0.018	/
	State5				15	507000	2535	106	50	0	-0.03	0.014	14.93	15.20	1.064	0.015	/
Ant.1	State1&3	DFT-s-OFDM	NSA	Front Side	15	507000	2535	106	1	1	0.04	0.023	22.43	23.70	1.340	0.031	/
	State1&3				15	507000	2535	106	50	0	-0.12	0.022	22.32	23.70	1.374	0.030	/
	State1&3	BPSK		Back Side	15	507000	2535	106	1	1	-0.05	0.045	22.43	23.70	1.340	0.060	/
	State1&3				15	507000	2535	106	50	0	-0.06	0.041	22.32	23.70	1.374	0.056	/
Ant.1	State5	DFT-s-OFDM	NSA	Front Side	15	507000	2535	106	1	1	-0.16	0.016	21.62	22.20	1.143	0.018	/
	State5				15	507000	2535	106	50	0	-0.15	0.015	21.50	22.20	1.175	0.018	/
	State5	BPSK		Back Side	15	507000	2535	106	1	1	-0.09	0.032	21.62	22.20	1.143	0.037	/
	State5				15	507000	2535	106	50	0	0.00	0.031	21.50	22.20	1.175	0.036	/
Hotspot																	
Ant.4	State3&5	DFT-s-OFDM	SA	Front Side	10	507000	2535	106	1	1	-0.15	0.141	17.77	18.70	1.239	0.175	/
	State3&5				10	507000	2535	106	50	0	0.08	0.144	17.87	18.70	1.211	0.174	/
	State3&5	BPSK		Back Side	10	507000	2535	106	1	1	0.04	0.165	17.77	18.70	1.239	0.204	/
	State3&5				10	507000	2535	106	50	0	0.00	0.161	17.87	18.70	1.211	0.195	/
	State3&5	Left Edge		Left Edge	10	507000	2535	106	1	1	0.00	0.065	17.77	18.70	1.239	0.081	/
	State3&5				10	507000	2535	106	50	0	-0.10	0.063	17.87	18.70	1.211	0.076	/

	State3&5			Right Edge	10	507000	2535	106	1	1	0.15	0.082	17.77	18.70	1.239	0.102	/
	State3&5				10	507000	2535	106	50	0	-0.09	0.079	17.87	18.70	1.211	0.096	/
	State3&5			Top Edge	10	507000	2535	106	1	1	-0.04	0.311	17.77	18.70	1.239	0.385	/
	State3&5				10	507000	2535	106	50	0	-0.04	0.306	17.87	18.70	1.211	0.371	/
	State3&5			Bottom Edge	10	507000	2535	106	1	1	-0.03	0.010	17.77	18.70	1.239	0.012	/
	State3&5				10	507000	2535	106	50	0	0.16	0.008	17.87	18.70	1.211	0.010	/
Ant.4	State3&5	DFT-s-OFDM BPSK	NSA	Front Side	10	507000	2535	106	1	53	-0.15	0.076	15.23	15.70	1.114	0.085	/
	State3&5				10	504000	2520	106	50	28	0.08	0.076	15.37	15.70	1.079	0.082	/
	State3&5			Back Side	10	507000	2535	106	1	53	0.04	0.092	15.23	15.70	1.114	0.102	/
	State3&5				10	504000	2520	106	50	28	0.00	0.092	15.37	15.70	1.079	0.099	/
	State3&5			Left Edge	10	507000	2535	106	1	53	0.00	0.028	15.23	15.70	1.114	0.031	/
	State3&5				10	504000	2520	106	50	28	-0.10	0.032	15.37	15.70	1.079	0.035	/
	State3&5			Right Edge	10	507000	2535	106	1	53	0.15	0.035	15.23	15.70	1.114	0.039	/
	State3&5				10	504000	2520	106	50	28	-0.09	0.038	15.37	15.70	1.079	0.041	/
	State3&5			Top Edge	10	507000	2535	106	1	53	-0.04	0.158	15.23	15.70	1.114	0.176	/
	State3&5				10	504000	2520	106	50	28	-0.04	0.174	15.37	15.70	1.079	0.188	/
	State3&5			Bottom Edge	10	507000	2535	106	1	53	-0.03	0.012	15.23	15.70	1.114	0.013	/
	State3&5				10	504000	2520	106	50	28	0.16	0.008	15.37	15.70	1.079	0.009	/
Ant.3	State1&3	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	106	1	1	0.06	0.069	18.23	19.70	1.403	0.097	/
	State1&3				10	507000	2535	106	50	0	-0.16	0.068	18.25	19.70	1.396	0.095	/
	State1&3			Back Side	10	507000	2535	106	1	1	-0.19	0.085	18.23	19.70	1.403	0.119	/
	State1&3				10	507000	2535	106	50	0	-0.07	0.081	18.25	19.70	1.396	0.113	/
	State1&3			Left Edge	10	507000	2535	106	1	1	0.05	0.016	18.23	19.70	1.403	0.022	/
	State1&3				10	507000	2535	106	50	0	-0.16	0.015	18.25	19.70	1.396	0.021	/
	State1&3			Right Edge	10	507000	2535	106	1	1	0.11	0.006	18.23	19.70	1.403	0.008	/
	State1&3				10	507000	2535	106	50	0	0.13	0.005	18.25	19.70	1.396	0.007	/
	State1&3			Top Edge	10	507000	2535	106	1	1	0.11	0.013	18.23	19.70	1.403	0.018	/
	State1&3				10	507000	2535	106	50	0	-0.01	0.011	18.25	19.70	1.396	0.015	/
	State1&3			Bottom Edge	10	507000	2535	106	1	1	0.00	0.476	18.23	19.70	1.403	0.668	60#
	State1&3				10	507000	2535	106	50	0	-0.07	0.466	18.25	19.70	1.396	0.651	/
Ant.3	State5	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	106	1	1	0.07	0.047	17.25	18.20	1.245	0.059	/
	State5				10	507000	2535	106	50	0	0.19	0.045	17.36	18.20	1.213	0.055	/
	State5			Back Side	10	507000	2535	106	1	1	0.03	0.066	17.25	18.20	1.245	0.082	/
	State5				10	507000	2535	106	50	0	0.19	0.061	17.36	18.20	1.213	0.074	/
	State5			Left Edge	10	507000	2535	106	1	1	0.03	0.013	17.25	18.20	1.245	0.016	/
	State5				10	507000	2535	106	50	0	0.09	0.012	17.36	18.20	1.213	0.015	/
	State5			Right Edge	10	507000	2535	106	1	1	0.04	0.003	17.25	18.20	1.245	0.004	/
	State5				10	507000	2535	106	50	0	0.00	0.004	17.36	18.20	1.213	0.005	/
	State5			Top Edge	10	507000	2535	106	1	1	-0.15	0.010	17.25	18.20	1.245	0.012	/
	State5				10	507000	2535	106	50	0	-0.11	0.009	17.36	18.20	1.213	0.011	/
	State5			Bottom Edge	10	507000	2535	106	1	1	-0.15	0.323	17.25	18.20	1.245	0.402	/
	State5				10	507000	2535	106	50	0	-0.03	0.331	17.36	18.20	1.213	0.402	/
Ant.3	State1&3		NSA	Front Side	10	507000	2535	106	1	1	0.07	0.047	17.25	18.20	1.245	0.059	/

	State1&3	DFT-s-OFDM BPSK		Back Side	10	507000	2535	106	50	0	0.19	0.045	17.36	18.20	1.213	0.055	/
	State1&3				10	507000	2535	106	1	1	0.03	0.066	17.25	18.20	1.245	0.082	/
	State1&3			Left Edge	10	507000	2535	106	50	0	0.19	0.061	17.36	18.20	1.213	0.074	/
	State1&3				10	507000	2535	106	1	1	0.03	0.013	17.25	18.20	1.245	0.016	/
	State1&3			Right Edge	10	507000	2535	106	50	0	0.09	0.012	17.36	18.20	1.213	0.015	/
	State1&3				10	507000	2535	106	1	1	0.04	0.003	17.25	18.20	1.245	0.004	/
	State1&3			Top Edge	10	507000	2535	106	50	0	0.00	0.004	17.36	18.20	1.213	0.005	/
	State1&3				10	507000	2535	106	1	1	-0.15	0.010	17.25	18.20	1.245	0.012	/
	State1&3			Bottom Edge	10	507000	2535	106	50	0	-0.11	0.009	17.36	18.20	1.213	0.011	/
	State1&3				10	507000	2535	106	1	1	-0.15	0.323	17.25	18.20	1.245	0.402	/
Ant.3	State5	DFT-s-OFDM BPSK	NSA	Front Side	10	507000	2535	106	1	1	0.01	0.028	14.75	15.20	1.109	0.031	/
	State5				10	507000	2535	106	50	0	-0.15	0.026	14.93	15.20	1.064	0.028	/
	State5			Back Side	10	507000	2535	106	1	1	-0.02	0.036	14.75	15.20	1.109	0.040	/
	State5				10	507000	2535	106	50	0	0.11	0.035	14.93	15.20	1.064	0.037	/
	State5			Left Edge	10	507000	2535	106	1	1	0.18	0.006	14.75	15.20	1.109	0.007	/
	State5				10	507000	2535	106	50	0	0.19	0.006	14.93	15.20	1.064	0.006	/
	State5			Right Edge	10	507000	2535	106	1	1	0.00	0.002	14.75	15.20	1.109	0.002	/
	State5				10	507000	2535	106	50	0	-0.16	0.001	14.93	15.20	1.064	0.001	/
	State5			Top Edge	10	507000	2535	106	1	1	-0.15	0.006	14.75	15.20	1.109	0.007	/
	State5				10	507000	2535	106	50	0	-0.05	0.004	14.93	15.20	1.064	0.004	/
State5	Bottom Edge	10	507000	2535	106	1	1	-0.17	0.177	14.75	15.20	1.109	0.196	/			
State5		10	507000	2535	106	50	0	-0.14	0.171	14.93	15.20	1.064	0.182	/			
Ant.1	State1&3	DFT-s-OFDM BPSK	NSA	Front Side	10	507000	2535	106	1	1	-0.16	0.068	22.43	23.70	1.340	0.091	/
	State1&3				10	507000	2535	106	50	0	0.03	0.054	22.32	23.70	1.374	0.074	/
	State1&3			Back Side	10	507000	2535	106	1	1	0.01	0.101	22.43	23.70	1.340	0.135	/
	State1&3				10	507000	2535	106	50	0	-0.17	0.080	22.32	23.70	1.374	0.110	/
	State1&3			Left Edge	10	507000	2535	106	1	1	0.13	0.012	22.43	23.70	1.340	0.016	/
	State1&3				10	507000	2535	106	50	0	-0.19	0.011	22.32	23.70	1.374	0.015	/
	State1&3			Right Edge	10	507000	2535	106	1	1	-0.08	0.129	22.43	23.70	1.340	0.173	/
	State1&3				10	507000	2535	106	50	0	-0.10	0.103	22.32	23.70	1.374	0.142	/
	State1&3			Top Edge	10	507000	2535	106	1	1	-0.07	0.021	22.43	23.70	1.340	0.028	/
	State1&3				10	507000	2535	106	50	0	0.10	0.019	22.32	23.70	1.374	0.026	/
State1&3	Bottom Edge	10	507000	2535	106	1	1	-0.05	0.009	22.43	23.70	1.340	0.012	/			
State1&3		10	507000	2535	106	50	0	0.12	0.006	22.32	23.70	1.374	0.008	/			
Ant.1	State5	DFT-s-OFDM BPSK	NSA	Front Side	10	507000	2535	106	1	1	-0.19	0.051	21.62	22.20	1.143	0.058	/
	State5				10	507000	2535	106	50	0	-0.19	0.016	21.50	22.20	1.175	0.019	/
	State5			Back Side	10	507000	2535	106	1	1	0.01	0.075	21.62	22.20	1.143	0.086	/
	State5				10	507000	2535	106	50	0	0.09	0.069	21.50	22.20	1.175	0.081	/
	State5			Left Edge	10	507000	2535	106	1	1	-0.04	0.008	21.62	22.20	1.143	0.009	/
	State5				10	507000	2535	106	50	0	0.06	0.007	21.50	22.20	1.175	0.008	/
	State5			Right Edge	10	507000	2535	106	1	1	0.19	0.101	21.62	22.20	1.143	0.115	/
	State5				10	507000	2535	106	50	0	-0.04	0.094	21.50	22.20	1.175	0.110	/

	State5			Top Edge	10	507000	2535	106	1	1	-0.14	0.015	21.62	22.20	1.143	0.017	/
	State5				10	507000	2535	106	50	0	0.10	0.013	21.50	22.20	1.175	0.015	/
	State5			Bottom Edge	10	507000	2535	106	1	1	-0.14	0.004	21.62	22.20	1.143	0.005	/
	State5				10	507000	2535	106	50	0	-0.11	0.005	21.50	22.20	1.175	0.006	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant.4	State1	DFT-s-OFDM BPSK	SA	Top Edge	0	507000	2535	106	1	1	-0.11	1.490	19.75	20.70	1.245	1.854	/
	State1				0	507000	2535	106	50	0	-0.03	1.570	19.85	20.70	1.216	1.909	61#
Ant.3	State1&3	DFT-s-OFDM BPSK	SA	Bottom Edge	0	507000	2535	106	1	1	-0.06	0.708	18.23	19.70	1.403	0.993	/
	State1&3				0	507000	2535	106	50	0	0.12	0.691	18.25	19.70	1.396	0.965	/

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

11.19 5G n38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.4	State2&4&6	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	51	1	1	0.11	0.465	16.42	17.20	1.197	0.557	/
	0				519000	2595	51	25	0	0.16	0.443	16.58	17.20	1.153	0.511	/	
	State2&4&6			Left Tilt	0	519000	2595	51	1	1	0.17	0.594	16.42	17.20	1.197	0.711	/
	0				519000	2595	51	25	0	-0.14	0.565	16.58	17.20	1.153	0.651	/	
	State2&4&6			Right Cheek	0	519000	2595	51	1	1	-0.04	0.611	16.42	17.20	1.197	0.731	/
	0				519000	2595	51	25	0	0.03	0.606	16.58	17.20	1.153	0.699	/	
	State2&4&6			Right Tilt	0	519000	2595	51	1	1	-0.01	0.684	16.42	17.20	1.197	0.819	62#
	0				519000	2595	51	25	0	0.12	0.623	16.58	17.20	1.153	0.718	/	
	0				516000	2580	51	1	26	0.16	0.666	16.41	17.20	1.199	0.799	/	
	0				522000	2610	51	1	26	0.06	0.631	16.26	17.20	1.242	0.784	/	
State2&4&6		0	519000	2595	51	50	0	0.00	0.671	16.45	17.20	1.189	0.798	/			
Ant.3	State2&4&6	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	51	1	1	-0.09	0.036	23.74	24.20	1.112	0.040	/
	0				519000	2595	51	25	0	0.17	0.035	23.78	24.20	1.102	0.039	/	
	State2&4&6			Left Tilt	0	519000	2595	51	1	1	0.15	0.041	23.74	24.20	1.112	0.046	/
	0				519000	2595	51	25	0	-0.13	0.043	23.78	24.20	1.102	0.047	/	
	State2&4&6			Right Cheek	0	519000	2595	51	1	1	-0.07	0.051	23.74	24.20	1.112	0.057	/
	0				519000	2595	51	25	0	0.13	0.018	23.78	24.20	1.102	0.020	/	
	State2&4&6			Right Tilt	0	519000	2595	51	1	1	0.09	0.022	23.74	24.20	1.112	0.024	/
	0				519000	2595	51	25	0	0.13	0.021	23.78	24.20	1.102	0.023	/	
Body-worn																	
Ant.4	State1	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	51	1	1	-0.03	0.133	19.53	20.70	1.309	0.174	/
	15				519000	2595	51	25	0	0.04	0.128	19.44	20.70	1.337	0.171	/	
	State1			Back Side	15	519000	2595	51	1	1	-0.03	0.162	19.53	20.70	1.309	0.212	63#
	15				519000	2595	51	25	0	-0.04	0.158	19.44	20.70	1.337	0.211	/	
Ant.4	State3&5	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	51	1	1	0.18	0.091	17.89	19.20	1.352	0.123	/
	15				519000	2595	51	25	0	0.05	0.092	17.98	19.20	1.324	0.122	/	
	State3&5			Back Side	15	519000	2595	51	1	1	-0.06	0.121	17.89	19.20	1.352	0.164	/
	15				519000	2595	51	25	0	-0.08	0.118	17.98	19.20	1.324	0.156	/	
Ant.3	State1&3	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	51	1	1	0.13	0.035	18.30	18.70	1.096	0.038	/
	15				519000	2595	51	25	0	-0.02	0.032	18.43	18.70	1.064	0.034	/	
	State1&3			Back Side	15	519000	2595	51	1	1	0.05	0.049	18.30	18.70	1.096	0.054	/
	15				519000	2595	51	25	0	-0.08	0.053	18.43	18.70	1.064	0.056	/	
Ant.3	State5	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	51	1	1	-0.16	0.028	16.83	17.20	1.089	0.030	/
	15				519000	2595	51	25	0	0.06	0.022	17.04	17.20	1.038	0.023	/	
	State5			Back Side	15	519000	2595	51	1	1	0.12	0.032	16.83	17.20	1.089	0.035	/
	15				519000	2595	51	25	0	0.15	0.031	17.04	17.20	1.038	0.032	/	
Hotspot																	

Ant.4	State3&5	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	51	1	1	0.10	0.166	17.89	19.20	1.352	0.224	/
	State3&5				10	519000	2595	51	25	0	0.03	0.161	17.98	19.20	1.324	0.213	/
	State3&5			Back Side	10	519000	2595	51	1	1	0.08	0.185	17.89	19.20	1.352	0.250	/
	State3&5				10	519000	2595	51	25	0	0.17	0.181	17.98	19.20	1.324	0.240	/
	State3&5			Left Edge	10	519000	2595	51	1	1	0.08	0.056	17.89	19.20	1.352	0.076	/
	State3&5				10	519000	2595	51	25	0	0.06	0.053	17.98	19.20	1.324	0.070	/
	State3&5			Right Edge	10	519000	2595	51	1	1	0.03	0.094	17.89	19.20	1.352	0.127	/
	State3&5				10	519000	2595	51	25	0	0.09	0.091	17.98	19.20	1.324	0.120	/
	State3&5			Top Edge	10	519000	2595	51	1	1	-0.06	0.374	17.89	19.20	1.352	0.506	/
	State3&5				10	519000	2595	51	25	0	-0.09	0.362	17.98	19.20	1.324	0.479	/
	State3&5			Bottom Edge	10	519000	2595	51	1	1	0.16	0.021	17.89	19.20	1.352	0.028	/
	State3&5				10	519000	2595	51	25	0	-0.08	0.019	17.98	19.20	1.324	0.025	/
Ant.3	State1&3	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	51	1	1	0.18	0.069	18.30	18.70	1.096	0.076	/
	State1&3				10	519000	2595	51	25	0	0.09	0.065	18.43	18.70	1.064	0.069	/
	State1&3			Back Side	10	519000	2595	51	1	1	-0.13	0.231	18.30	18.70	1.096	0.253	/
	State1&3				10	519000	2595	51	25	0	0.05	0.238	18.43	18.70	1.064	0.253	/
	State1&3			Left Edge	10	519000	2595	51	1	1	0.10	0.063	18.30	18.70	1.096	0.069	/
	State1&3				10	519000	2595	51	25	0	-0.02	0.061	18.43	18.70	1.064	0.065	/
	State1&3			Right Edge	10	519000	2595	51	1	1	0.18	0.023	18.30	18.70	1.096	0.025	/
	State1&3				10	519000	2595	51	25	0	0.09	0.022	18.43	18.70	1.064	0.023	/
	State1&3			Top Edge	10	519000	2595	51	1	1	0.13	0.016	18.30	18.70	1.096	0.018	/
	State1&3				10	519000	2595	51	25	0	-0.16	0.015	18.43	18.70	1.064	0.016	/
	State1&3			Bottom Edge	10	519000	2595	51	1	1	0.10	0.506	18.30	18.70	1.096	0.555	/
	State1&3				10	519000	2595	51	25	0	0.01	0.523	18.43	18.70	1.064	0.556	64#
Ant.3	State5	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	51	1	1	-0.06	0.047	16.83	17.20	1.089	0.051	/
	State5				10	519000	2595	51	25	0	0.15	0.046	17.04	17.20	1.038	0.048	/
	State5			Back Side	10	519000	2595	51	1	1	0.09	0.155	16.83	17.20	1.089	0.169	/
	State5				10	519000	2595	51	25	0	0.15	0.151	17.04	17.20	1.038	0.157	/
	State5			Left Edge	10	519000	2595	51	1	1	-0.04	0.061	16.83	17.20	1.089	0.066	/
	State5				10	519000	2595	51	25	0	0.19	0.058	17.04	17.20	1.038	0.060	/
	State5			Right Edge	10	519000	2595	51	1	1	0.03	0.013	16.83	17.20	1.089	0.014	/
	State5				10	519000	2595	51	25	0	-0.19	0.014	17.04	17.20	1.038	0.015	/
	State5			Top Edge	10	519000	2595	51	1	1	-0.18	0.009	16.83	17.20	1.089	0.010	/
	State5				10	519000	2595	51	25	0	-0.06	0.008	17.04	17.20	1.038	0.008	/
	State5			Bottom Edge	10	519000	2595	51	1	1	-0.10	0.367	16.83	17.20	1.089	0.400	/
	State5				10	519000	2595	51	25	0	0.07	0.372	17.04	17.20	1.038	0.386	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant.4	State1	DFT-s-	SA	Top Edge	0	519000	2595	51	1	1	0.02	1.200	19.53	20.70	1.309	1.571	65#
	State1	OFDM BPSK			0	519000	2595	51	25	0	0.11	1.120	19.44	20.70	1.337	1.497	/
Ant.3	State1&3	DFT-s-	SA	Bottom Edge	0	519000	2595	51	1	1	-0.02	1.090	18.30	18.70	1.096	1.195	/
	State1&3	OFDM BPSK			0	519000	2595	51	25	0	-0.03	1.290	18.43	18.70	1.064	1.373	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.20 5G n41 (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.4	State2&4	DFT-s-OFDM BPSK	NSA	Left Cheek	0	518598	2592.99	273	1	1	-0.16	0.221	13.86	14.20	1.081	0.239	/
	0				518598	2592.99	273	135	0	0.00	0.206	13.87	14.20	1.079	0.222	/	
	State2&4			Left Tilt	0	518598	2592.99	273	1	1	-0.13	0.242	13.86	14.20	1.081	0.262	/
	State2&4				0	518598	2592.99	273	135	0	-0.11	0.233	13.87	14.20	1.079	0.251	/
	State2&4			Right Cheek	0	518598	2592.99	273	1	1	0.01	0.323	13.86	14.20	1.081	0.349	/
	State2&4				0	518598	2592.99	273	135	0	0.05	0.316	13.87	14.20	1.079	0.341	/
	State2&4			Right Tilt	0	518598	2592.99	273	1	1	0.03	0.462	13.86	14.20	1.081	0.499	66#
	State2&4				0	518598	2592.99	273	135	0	-0.05	0.356	13.87	14.20	1.079	0.384	/
Ant.4	State6	DFT-s-OFDM BPSK	NSA	Left Cheek	0	518598	2592.99	273	1	1	-0.11	0.168	13.86	14.20	1.081	0.182	/
	0				518598	2592.99	273	135	0	0.05	0.160	13.87	14.20	1.079	0.173	/	
	State6			Left Tilt	0	518598	2592.99	273	1	1	0.05	0.183	13.86	14.20	1.081	0.198	/
	State6				0	518598	2592.99	273	135	0	-0.15	0.196	13.87	14.20	1.079	0.211	/
	State6			Right Cheek	0	518598	2592.99	273	1	1	0.08	0.265	13.86	14.20	1.081	0.286	/
	State6				0	518598	2592.99	273	135	0	-0.04	0.242	13.87	14.20	1.079	0.261	/
	State6			Right Tilt	0	518598	2592.99	273	1	1	0.19	0.309	13.86	14.20	1.081	0.334	/
	State6				0	518598	2592.99	273	135	0	-0.13	0.282	13.87	14.20	1.079	0.304	/
Ant.3	State2&4&6	DFT-s-OFDM BPSK	SA&NSA	Left Cheek	0	518598	2592.99	273	1	1	-0.17	0.038	23.28	24.20	1.236	0.047	/
	0				518598	2592.99	273	135	0	0.11	0.036	23.66	24.20	1.132	0.041	/	
	State2&4&6			Left Tilt	0	518598	2592.99	273	1	1	0.19	0.043	23.28	24.20	1.236	0.053	/
	State2&4&6				0	518598	2592.99	273	135	0	-0.17	0.046	23.66	24.20	1.132	0.052	/
	State2&4&6			Right Cheek	0	518598	2592.99	273	1	1	-0.02	0.068	23.28	24.20	1.236	0.084	/
	State2&4&6				0	518598	2592.99	273	135	0	-0.03	0.072	23.66	24.20	1.132	0.082	/
	State2&4&6			Right Tilt	0	518598	2592.99	273	1	1	-0.06	0.033	23.28	24.20	1.236	0.041	/
	State2&4&6				0	518598	2592.99	273	135	0	0.04	0.031	23.66	24.20	1.132	0.035	/
Body-worn																	
Ant.4	State1	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	273	1	1	-0.13	0.131	19.84	20.20	1.086	0.142	/
	15				518598	2592.99	273	135	0	0.15	0.137	19.77	20.20	1.104	0.151	/	
	State1			Back Side	15	518598	2592.99	273	1	1	-0.08	0.171	19.84	20.20	1.086	0.186	/
	State1				15	518598	2592.99	273	135	0	0.01	0.181	19.77	20.20	1.104	0.200	67#
Ant.4	State1&3&5	DFT-s-OFDM BPSK	SA&NSA	Front Side	15	518598	2592.99	273	1	1	0.03	0.091	18.07	18.70	1.156	0.105	/
	15				518598	2592.99	273	135	0	0.08	0.097	18.15	18.70	1.135	0.110	/	
	State1&3&5			Back Side	15	518598	2592.99	273	1	1	-0.02	0.133	18.07	18.70	1.156	0.154	/
	State1&3&5				15	518598	2592.99	273	135	0	0.14	0.125	18.15	18.70	1.135	0.142	/
Ant.4	State3&5	DFT-s-OFDM BPSK	NSA	Front Side	15	518598	2592.99	273	1	1	-0.14	0.053	15.50	15.70	1.047	0.055	/
	15				518598	2592.99	273	135	0	0.11	0.051	15.48	15.70	1.052	0.054	/	
	State3&5			Back Side	15	518598	2592.99	273	1	1	-0.10	0.072	15.50	15.70	1.047	0.075	/
	State3&5				15	518598	2592.99	273	135	0	0.08	0.071	15.48	15.70	1.052	0.075	/

Ant.3	State1&3	DFT-s-OFDM	SA	Front Side	15	518598	2592.99	273	1	1	-0.17	0.025	19.60	20.20	1.148	0.029	/	
	State1&3				15	518598	2592.99	273	135	0	0.09	0.023	19.54	20.20	1.164	0.027	/	
	State1&3	BPSK		Back Side	15	518598	2592.99	273	1	1	-0.13	0.055	19.60	20.20	1.148	0.063	/	
	State1&3				15	518598	2592.99	273	135	0	0.01	0.052	19.54	20.20	1.164	0.061	/	
Ant.3	State1&5	DFT-s-OFDM	SA&NSA	Front Side	15	518598	2592.99	273	1	1	0.06	0.021	18.16	18.70	1.132	0.024	/	
	State1&5				15	518598	2592.99	273	135	0	-0.17	0.020	18.34	18.70	1.086	0.022	/	
	State1&5	BPSK		Back Side	15	518598	2592.99	273	1	1	0.07	0.042	18.16	18.70	1.132	0.048	/	
	State1&5				15	518598	2592.99	273	135	0	0.10	0.041	18.34	18.70	1.086	0.045	/	
Ant.3	State3&5	DFT-s-OFDM	NSA	Front Side	15	518598	2592.99	273	1	1	0.06	0.016	15.50	15.70	1.047	0.017	/	
	State3&5				15	518598	2592.99	273	135	0	-0.17	0.015	15.48	15.70	1.052	0.016	/	
	State3&5	BPSK		Back Side	15	518598	2592.99	273	1	1	0.07	0.023	15.50	15.70	1.047	0.024	/	
	State3&5				15	518598	2592.99	273	135	0	0.10	0.022	15.48	15.70	1.052	0.023	/	
Hotspot																		
Ant.4	State1&3&5	DFT-s-OFDM	SA&NSA	Front Side	10	518598	2592.99	273	1	1	0.01	0.172	18.07	18.70	1.156	0.199	/	
	State1&3&5				10	518598	2592.99	273	135	0	-0.10	0.168	18.15	18.70	1.135	0.191	/	
	State1&3&5			BPSK	Back Side	10	518598	2592.99	273	1	1	-0.07	0.231	18.07	18.70	1.156	0.267	/
	State1&3&5					10	518598	2592.99	273	135	0	0.07	0.236	18.15	18.70	1.135	0.268	/
	State1&3&5			BPSK	Left Edge	10	518598	2592.99	273	1	1	0.19	0.053	18.07	18.70	1.156	0.061	/
	State1&3&5					10	518598	2592.99	273	135	0	-0.17	0.051	18.15	18.70	1.135	0.058	/
	State1&3&5			BPSK	Right Edge	10	518598	2592.99	273	1	1	-0.06	0.084	18.07	18.70	1.156	0.097	/
	State1&3&5					10	518598	2592.99	273	135	0	0.15	0.086	18.15	18.70	1.135	0.098	/
	State1&3&5			BPSK	Top Edge	10	518598	2592.99	273	1	1	0.18	0.513	18.07	18.70	1.156	0.593	/
	State1&3&5					10	518598	2592.99	273	135	0	0.07	0.511	18.15	18.70	1.135	0.580	/
	State1&3&5			BPSK	Bottom Edge	10	518598	2592.99	273	1	1	-0.09	0.021	18.07	18.70	1.156	0.024	/
	State1&3&5					10	518598	2592.99	273	135	0	-0.10	0.018	18.15	18.70	1.135	0.020	/
Ant.4	State3&5	DFT-s-OFDM	NSA	Front Side	10	518598	2592.99	273	1	1	-0.05	0.094	15.50	15.70	1.047	0.098	/	
	State3&5				10	518598	2592.99	273	135	0	-0.09	0.091	15.48	15.70	1.052	0.096	/	
	State3&5			BPSK	Back Side	10	518598	2592.99	273	1	1	0.16	0.101	15.50	15.70	1.047	0.106	/
	State3&5					10	518598	2592.99	273	135	0	0.11	0.103	15.48	15.70	1.052	0.108	/
	State3&5			BPSK	Left Edge	10	518598	2592.99	273	1	1	0.03	0.021	15.50	15.70	1.047	0.022	/
	State3&5					10	518598	2592.99	273	135	0	0.11	0.023	15.48	15.70	1.052	0.024	/
	State3&5			BPSK	Right Edge	10	518598	2592.99	273	1	1	0.11	0.035	15.50	15.70	1.047	0.037	/
	State3&5					10	518598	2592.99	273	135	0	0.11	0.036	15.48	15.70	1.052	0.038	/
	State3&5			BPSK	Top Edge	10	518598	2592.99	273	1	1	0.16	0.233	15.50	15.70	1.047	0.244	/
	State3&5					10	518598	2592.99	273	135	0	-0.11	0.235	15.48	15.70	1.052	0.247	/
	State3&5			BPSK	Bottom Edge	10	518598	2592.99	273	1	1	-0.16	0.012	15.50	15.70	1.047	0.013	/
	State3&5					10	518598	2592.99	273	135	0	-0.10	0.011	15.48	15.70	1.052	0.012	/
Ant.3	State1&3	DFT-s-OFDM	SA	Front Side	10	518598	2592.99	273	1	1	-0.10	0.131	19.60	20.20	1.148	0.150	/	
	State1&3				10	518598	2592.99	273	135	0	0.01	0.126	19.54	20.20	1.164	0.147	/	
	State1&3	BPSK		Back Side	10	518598	2592.99	273	1	1	0.03	0.345	19.60	20.20	1.148	0.396	/	
	State1&3				10	518598	2592.99	273	135	0	-0.17	0.341	19.54	20.20	1.164	0.397	/	
	State1&3	BPSK		Left Edge	10	518598	2592.99	273	1	1	-0.03	0.061	19.60	20.20	1.148	0.070	/	
	State1&3				10	518598	2592.99	273	135	0	-0.17	0.066	19.54	20.20	1.164	0.077	/	

State1&3				Right Edge	10	518598	2592.99	273	1	1	0.01	0.039	19.60	20.20	1.148	0.045	/
					10	518598	2592.99	273	135	0	-0.11	0.037	19.54	20.20	1.164	0.043	/
				Top Edge	10	518598	2592.99	273	1	1	-0.06	0.054	19.60	20.20	1.148	0.062	/
					10	518598	2592.99	273	135	0	0.09	0.056	19.54	20.20	1.164	0.065	/
				Bottom Edge	10	518598	2592.99	273	1	1	-0.04	0.783	19.60	20.20	1.148	0.899	68#
					10	518598	2592.99	273	135	0	-0.02	0.711	19.54	20.20	1.164	0.828	/
					10	509202	2546.01	273	1	137	0.11	0.733	19.46	20.20	1.186	0.869	/
					10	513900	2569.5	273	1	137	-0.01	0.726	19.40	20.20	1.202	0.873	/
					10	523302	2616.51	273	1	137	0.19	0.722	19.52	20.20	1.169	0.844	/
					10	528000	2640	273	1	271	0.08	0.600	18.96	20.20	1.330	0.798	/
					10	509202	2546.01	273	135	0	0.00	0.727	19.36	20.20	1.213	0.882	/
					10	513900	2569.5	273	135	69	0.12	0.719	19.51	20.20	1.172	0.843	/
					10	523302	2616.51	273	135	0	0.16	0.726	19.48	20.20	1.180	0.857	/
					10	528000	2640	273	135	69	-0.01	0.734	19.46	20.20	1.186	0.871	/
				10	509202	2546.01	273	270	0	-0.16	0.713	19.42	20.20	1.197	0.853	/	
Ant.3	State1&5	DFT-s-OFDM BPSK	SA&NSA	Front Side	10	518598	2592.99	273	1	1	-0.19	0.091	18.16	18.70	1.132	0.103	/
					10	518598	2592.99	273	135	0	-0.03	0.087	18.34	18.70	1.086	0.094	/
				Back Side	10	518598	2592.99	273	1	1	-0.14	0.253	18.16	18.70	1.132	0.286	/
					10	518598	2592.99	273	135	0	0.08	0.248	18.34	18.70	1.086	0.269	/
				Left Edge	10	518598	2592.99	273	1	1	-0.19	0.041	18.16	18.70	1.132	0.046	/
					10	518598	2592.99	273	135	0	-0.16	0.046	18.34	18.70	1.086	0.050	/
				Right Edge	10	518598	2592.99	273	1	1	-0.18	0.032	18.16	18.70	1.132	0.036	/
					10	518598	2592.99	273	135	0	0.19	0.031	18.34	18.70	1.086	0.034	/
				Top Edge	10	518598	2592.99	273	1	1	-0.03	0.045	18.16	18.70	1.132	0.051	/
					10	518598	2592.99	273	135	0	-0.10	0.041	18.34	18.70	1.086	0.045	/
				Bottom Edge	10	518598	2592.99	273	1	1	-0.09	0.565	18.16	18.70	1.132	0.640	/
					10	518598	2592.99	273	135	0	0.07	0.533	18.34	18.70	1.086	0.579	/
Ant.3	State3&5	DFT-s-OFDM BPSK	NSA	Front Side	10	518598	2592.99	273	1	1	0.03	0.053	15.50	15.70	1.047	0.055	/
					10	518598	2592.99	273	135	0	0.06	0.051	15.48	15.70	1.052	0.054	/
				Back Side	10	518598	2592.99	273	1	1	-0.06	0.112	15.50	15.70	1.047	0.117	/
					10	518598	2592.99	273	135	0	-0.17	0.111	15.48	15.70	1.052	0.117	/
				Left Edge	10	518598	2592.99	273	1	1	-0.01	0.019	15.50	15.70	1.047	0.020	/
					10	518598	2592.99	273	135	0	0.15	0.016	15.48	15.70	1.052	0.017	/
				Right Edge	10	518598	2592.99	273	1	1	-0.07	0.023	15.50	15.70	1.047	0.024	/
					10	518598	2592.99	273	135	0	-0.05	0.021	15.48	15.70	1.052	0.022	/
				Top Edge	10	518598	2592.99	273	1	1	-0.08	0.022	15.50	15.70	1.047	0.023	/
					10	518598	2592.99	273	135	0	-0.07	0.026	15.48	15.70	1.052	0.027	/
				Bottom Edge	10	518598	2592.99	273	1	1	0.06	0.277	15.50	15.70	1.047	0.290	/
					10	518598	2592.99	273	135	0	-0.12	0.271	15.48	15.70	1.052	0.285	/

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant.4	State1	DFT-s-	SA	Top Edge	0	518598	2592.99	273	1	1	0.03	1.610	19.84	20.20	1.086	1.748	/
	State1	OFDM BPSK			0	518598	2592.99	273	135	0	-0.01	1.650	19.77	20.20	1.104	1.822	69#
Ant.3	State1&3	DFT-s-	SA	Bottom Edge	0	518598	2592.99	273	1	1	0.00	1.090	19.60	20.20	1.148	1.251	/
	State1&3	OFDM BPSK			0	518598	2592.99	273	135	0	0.02	1.010	19.54	20.20	1.164	1.176	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.21 5G n66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.4	State2&4	DFT-s-OFDM BPSK	SA	Left Cheek	0	349000	1745	106	1	1	0.09	0.102	16.51	17.60	1.285	0.131	/
	0				349000	1745	106	50	0	0.04	0.106	16.61	17.60	1.256	0.133	/	
	State2&4			Left Tilt	0	349000	1745	106	1	1	0.06	0.135	16.51	17.60	1.285	0.173	/
	0				349000	1745	106	50	0	0.19	0.133	16.61	17.60	1.256	0.167	/	
	State2&4			Right Cheek	0	349000	1745	106	1	1	0.13	0.165	16.51	17.60	1.285	0.212	/
	0				349000	1745	106	50	0	0.17	0.166	16.61	17.60	1.256	0.208	/	
	State2&4			Right Tilt	0	349000	1745	106	1	1	0.05	0.169	16.51	17.60	1.285	0.217	/
	0				349000	1745	106	50	0	-0.02	0.175	16.61	17.60	1.256	0.220	/	
Ant.4	State6	DFT-s-OFDM BPSK	SA	Left Cheek	0	349000	1745	106	1	1	-0.06	0.075	15.55	16.60	1.274	0.096	/
	0				349000	1745	106	50	0	-0.15	0.071	15.67	16.60	1.239	0.088	/	
	State6			Left Tilt	0	349000	1745	106	1	1	0.19	0.112	15.55	16.60	1.274	0.143	/
	0				349000	1745	106	50	0	-0.15	0.111	15.67	16.60	1.239	0.138	/	
	State6			Right Cheek	0	349000	1745	106	1	1	-0.07	0.145	15.55	16.60	1.274	0.185	/
	0				349000	1745	106	50	0	0.01	0.141	15.67	16.60	1.239	0.175	/	
	State6			Right Tilt	0	349000	1745	106	1	1	0.05	0.151	15.55	16.60	1.274	0.192	/
	0				349000	1745	106	50	0	0.14	0.155	15.67	16.60	1.239	0.192	/	
Ant.4	State2&4	DFT-s-OFDM BPSK	NSA	Left Cheek	0	349000	1745	106	1	1	-0.06	0.075	15.55	16.60	1.274	0.096	/
	0				349000	1745	106	50	0	-0.15	0.071	15.67	16.60	1.239	0.088	/	
	State2&4			Left Tilt	0	349000	1745	106	1	1	0.19	0.112	15.55	16.60	1.274	0.143	/
	0				349000	1745	106	50	0	-0.15	0.111	15.67	16.60	1.239	0.138	/	
	State2&4			Right Cheek	0	349000	1745	106	1	1	-0.07	0.145	15.55	16.60	1.274	0.185	/
	0				349000	1745	106	50	0	0.01	0.141	15.67	16.60	1.239	0.175	/	
	State2&4			Right Tilt	0	349000	1745	106	1	1	0.05	0.151	15.55	16.60	1.274	0.192	/
	0				349000	1745	106	50	0	0.14	0.155	15.67	16.60	1.239	0.192	/	
Ant.4	State6	DFT-s-OFDM BPSK	NSA	Left Cheek	0	349000	1745	106	1	1	-0.06	0.051	14.02	14.60	1.143	0.058	/
	0				349000	1745	106	50	0	-0.09	0.048	14.22	14.60	1.091	0.052	/	
	State6			Left Tilt	0	349000	1745	106	1	1	0.06	0.073	14.02	14.60	1.143	0.083	/
	0				349000	1745	106	50	0	0.02	0.071	14.22	14.60	1.091	0.077	/	
	State6			Right Cheek	0	349000	1745	106	1	1	-0.09	0.095	14.02	14.60	1.143	0.109	/
	0				349000	1745	106	50	0	-0.12	0.093	14.22	14.60	1.091	0.101	/	
	State6			Right Tilt	0	349000	1745	106	1	1	0.15	0.101	14.02	14.60	1.143	0.115	/
	0				349000	1745	106	50	0	-0.01	0.106	14.22	14.60	1.091	0.116	/	
Ant.3	State2&4&6	DFT-s-OFDM BPSK	SA&NSA	Left Cheek	0	349000	1745	106	1	1	-0.06	0.083	23.47	24.20	1.183	0.098	/
	0				349000	1745	106	50	0	0.01	0.083	23.47	24.20	1.183	0.098	/	
	State2&4&6			Left Tilt	0	349000	1745	106	1	1	-0.01	0.052	23.47	24.20	1.183	0.062	/
	0				349000	1745	106	50	0	0.18	0.052	23.47	24.20	1.183	0.062	/	
	State2&4&6			Right Cheek	0	349000	1745	106	1	1	-0.03	0.121	23.47	24.20	1.183	0.143	/

	State2&4&6			Right Tilt	0	349000	1745	106	50	0	0.00	0.124	23.47	24.20	1.183	0.147	/
	State2&4&6				0	349000	1745	106	1	1	-0.15	0.063	23.47	24.20	1.183	0.075	/
	State2&4&6				0	349000	1745	106	50	0	0.16	0.061	23.47	24.20	1.183	0.072	/
Ant.1	State2&4&6	DFT-s- OFDM BPSK	NSA	Left Cheek	0	349000	1745	106	1	1	-0.11	0.223	22.92	24.20	1.343	0.299	/
	0				349000	1745	106	50	0	0.12	0.202	22.91	24.20	1.346	0.272	/	
	State2&4&6			Left Tilt	0	349000	1745	106	1	1	0.06	0.128	22.92	24.20	1.343	0.172	/
	0				349000	1745	106	50	0	0.09	0.110	22.91	24.20	1.346	0.148	/	
	State2&4&6			Right Cheek	0	349000	1745	106	1	1	0.08	0.576	22.92	24.20	1.343	0.774	70#
	0				349000	1745	106	50	0	-0.19	0.436	22.91	24.20	1.346	0.587	/	
	State2&4&6			Right Tilt	0	349000	1745	106	1	1	0.01	0.149	22.92	24.20	1.343	0.200	/
	0				349000	1745	106	50	0	0.08	0.122	22.91	24.20	1.346	0.164	/	
Body-worn																	
Ant.4	State1	DFT-s- OFDM BPSK	SA	Front Side	15	349000	1745	106	1	1	-0.15	0.071	23.35	24.10	1.189	0.084	/
	15				349000	1745	106	50	0	0.04	0.061	22.40	24.10	1.479	0.090	/	
	State1			Back Side	15	349000	1745	106	1	1	-0.05	0.077	23.35	24.10	1.189	0.092	/
	15				349000	1745	106	50	0	0.10	0.062	22.40	24.10	1.479	0.092	/	
Ant.4	State3&5	DFT-s- OFDM BPSK	SA	Front Side	15	349000	1745	106	1	1	-0.02	0.044	21.57	22.60	1.268	0.056	/
	15				349000	1745	106	50	0	0.05	0.041	21.83	22.60	1.194	0.049	/	
	State3&5			Back Side	15	349000	1745	106	1	1	0.06	0.051	21.57	22.60	1.268	0.065	/
	15				349000	1745	106	50	0	0.16	0.048	21.83	22.60	1.194	0.057	/	
Ant.4	State1	DFT-s- OFDM BPSK	NSA	Front Side	15	349000	1745	106	1	1	-0.02	0.044	21.57	22.60	1.268	0.056	/
	15				349000	1745	106	50	0	0.05	0.041	21.83	22.60	1.194	0.049	/	
	State1			Back Side	15	349000	1745	106	1	1	0.06	0.051	21.57	22.60	1.268	0.065	/
	15				349000	1745	106	50	0	0.16	0.048	21.83	22.60	1.194	0.057	/	
Ant.4	State3&5	DFT-s- OFDM BPSK	NSA	Front Side	15	349000	1745	106	1	1	-0.13	0.025	19.03	19.60	1.140	0.029	/
	15				349000	1745	106	50	0	0.01	0.021	19.32	19.60	1.067	0.022	/	
	State3&5			Back Side	15	349000	1745	106	1	1	-0.05	0.029	19.03	19.60	1.140	0.033	/
	15				349000	1745	106	50	0	-0.12	0.028	19.32	19.60	1.067	0.030	/	
Ant.3	State1&3	DFT-s- OFDM BPSK	SA&NSA	Front Side	15	349000	1745	106	1	1	0.03	0.148	20.39	21.20	1.205	0.178	/
	15				349000	1745	106	50	0	-0.19	0.144	20.44	21.20	1.191	0.172	/	
	State1&3			Back Side	15	349000	1745	106	1	1	-0.08	0.151	20.39	21.20	1.205	0.182	/
	15				349000	1745	106	50	0	-0.01	0.168	20.44	21.20	1.191	0.200	71#	
Ant.3	State5	DFT-s- OFDM BPSK	SA&NSA	Front Side	15	349000	1745	106	1	1	0.05	0.085	18.38	18.70	1.076	0.091	/
	15				349000	1745	106	50	0	0.11	0.092	18.62	18.70	1.019	0.094	/	
	State5			Back Side	15	349000	1745	106	1	1	0.18	0.107	18.38	18.70	1.076	0.115	/
	15				349000	1745	106	50	0	0.04	0.111	18.62	18.70	1.019	0.113	/	
Ant.1	State1&3	DFT-s- OFDM BPSK	SA&NSA	Front Side	15	349000	1745	106	1	1	0.14	0.057	22.92	24.20	1.343	0.077	/
	15				349000	1745	106	50	0	0.18	0.052	22.91	24.20	1.346	0.070	/	
	State1&3			Back Side	15	349000	1745	106	1	1	-0.02	0.078	22.92	24.20	1.343	0.105	/
	15				349000	1745	106	50	0	0.15	0.07	22.91	24.20	1.346	0.094	/	
Ant.1	State5	DFT-s- OFDM BPSK	SA&NSA	Front Side	15	349000	1745	106	1	1	0.00	0.035	21.32	21.70	1.091	0.038	/
	15				349000	1745	106	50	0	0.03	0.033	21.53	21.70	1.040	0.034	/	
	State5			Back Side	15	349000	1745	106	1	1	0.12	0.041	21.32	21.70	1.091	0.045	/

		State5			15	349000	1745	106	50	0	-0.17	0.044	21.53	21.70	1.040	0.046	/	
Hotspot																		
Ant.4	State3&5	DFT-s-OFDM BPSK	SA	Front Side	10	349000	1745	106	1	1	-0.18	0.113	21.57	22.60	1.268	0.143	/	
					10	349000	1745	106	50	0	0.16	0.106	21.83	22.60	1.194	0.127	/	
				Back Side	10	349000	1745	106	1	1	-0.17	0.121	21.57	22.60	1.268	0.153	/	
					10	349000	1745	106	50	0	-0.18	0.119	21.83	22.60	1.194	0.142	/	
				Left Edge	10	349000	1745	106	1	1	-0.06	0.015	21.57	22.60	1.268	0.019	/	
					10	349000	1745	106	50	0	0.00	0.014	21.83	22.60	1.194	0.017	/	
				Right Edge	10	349000	1745	106	1	1	0.16	0.081	21.57	22.60	1.268	0.103	/	
					10	349000	1745	106	50	0	-0.10	0.079	21.83	22.60	1.194	0.094	/	
				Top Edge	10	349000	1745	106	1	1	-0.15	0.221	21.57	22.60	1.268	0.280	/	
					10	349000	1745	106	50	0	-0.07	0.219	21.83	22.60	1.194	0.261	/	
				Bottom Edge	10	349000	1745	106	1	1	0.10	0.016	21.57	22.60	1.268	0.020	/	
					10	349000	1745	106	50	0	-0.01	0.018	21.83	22.60	1.194	0.021	/	
Ant.4	State3&5	DFT-s-OFDM BPSK	NSA	Front Side	10	349000	1745	106	1	1	-0.18	0.043	19.03	19.60	1.140	0.049	/	
					10	349000	1745	106	50	0	0.16	0.045	19.32	19.60	1.067	0.048	/	
				Back Side	10	349000	1745	106	1	1	-0.17	0.071	19.03	19.60	1.140	0.081	/	
					10	349000	1745	106	50	0	-0.18	0.068	19.32	19.60	1.067	0.073	/	
				Left Edge	10	349000	1745	106	1	1	-0.06	0.006	19.03	19.60	1.140	0.007	/	
					10	349000	1745	106	50	0	0.00	0.007	19.32	19.60	1.067	0.007	/	
				Right Edge	10	349000	1745	106	1	1	0.16	0.046	19.03	19.60	1.140	0.052	/	
					10	349000	1745	106	50	0	-0.10	0.045	19.32	19.60	1.067	0.048	/	
				Top Edge	10	349000	1745	106	1	1	-0.15	0.106	19.03	19.60	1.140	0.121	/	
					10	349000	1745	106	50	0	-0.07	0.101	19.32	19.60	1.067	0.108	/	
				Bottom Edge	10	349000	1745	106	1	1	0.10	0.006	19.03	19.60	1.140	0.007	/	
					10	349000	1745	106	50	0	-0.01	0.005	19.32	19.60	1.067	0.005	/	
Ant.3	State1&3&5	DFT-s-OFDM BPSK	SA	Front Side	10	349000	1745	106	1	1	0.01	0.359	20.39	21.70	1.352	0.485	/	
					10	349000	1745	106	50	0	-0.13	0.365	20.44	21.70	1.337	0.488	/	
				Back Side	10	349000	1745	106	1	1	0.17	0.384	20.39	21.70	1.352	0.519	/	
					10	349000	1745	106	50	0	-0.03	0.377	20.44	21.70	1.337	0.504	/	
				Left Edge	10	349000	1745	106	1	1	0.03	0.140	20.39	21.70	1.352	0.189	/	
					10	349000	1745	106	50	0	0.03	0.143	20.44	21.70	1.337	0.191	/	
				Right Edge	10	349000	1745	106	1	1	-0.03	0.033	20.39	21.70	1.352	0.045	/	
					10	349000	1745	106	50	0	-0.15	0.035	20.44	21.70	1.337	0.047	/	
				Top Edge	10	349000	1745	106	1	1	0.17	0.030	20.39	21.70	1.352	0.041	/	
					10	349000	1745	106	50	0	0.17	0.020	20.44	21.70	1.337	0.027	/	
				Bottom Edge	10	349000	1745	106	1	1	0.10	0.522	20.39	21.70	1.352	0.706	/	
					10	349000	1745	106	50	0	-0.01	0.548	20.44	21.70	1.337	0.733	72#	
Ant.3	State1&3	DFT-s-OFDM BPSK	NSA	Front Side	10	349000	1745	106	1	53	0.01	0.359	20.39	21.20	1.205	0.433	/	
					10	346000	1730	106	50	0	-0.13	0.365	20.63	21.20	1.140	0.416	/	
				Back Side	10	349000	1745	106	1	53	0.17	0.384	20.39	21.20	1.205	0.463	/	
					10	346000	1730	106	50	0	-0.03	0.377	20.63	21.20	1.140	0.430	/	
				Left Edge	10	349000	1745	106	1	53	0.03	0.140	20.39	21.20	1.205	0.169	/	

	State1&3				10	346000	1730	106	50	0	0.03	0.143	20.63	21.20	1.140	0.163	/	
	State1&3				Right Edge	10	349000	1745	106	1	53	-0.03	0.033	20.39	21.20	1.205	0.040	/
	State1&3					10	346000	1730	106	50	0	-0.15	0.035	20.63	21.20	1.140	0.040	/
	State1&3				Top Edge	10	349000	1745	106	1	53	0.17	0.030	20.39	21.20	1.205	0.036	/
	State1&3					10	346000	1730	106	50	0	0.17	0.020	20.63	21.20	1.140	0.023	/
	State1&3				Bottom Edge	10	349000	1745	106	1	53	0.10	0.522	20.39	21.20	1.205	0.629	/
	State1&3					10	346000	1730	106	50	0	-0.01	0.548	20.63	21.20	1.140	0.625	/
Ant.3	State5	DFT-s-OFDM BPSK	NSA	Front Side	10	349000	1745	106	1	1	0.06	0.180	18.38	18.70	1.076	0.194	/	
	State5				10	349000	1745	106	50	0	-0.13	0.194	18.62	18.70	1.019	0.198	/	
	State5			Back Side	10	349000	1745	106	1	1	-0.16	0.193	18.38	18.70	1.076	0.208	/	
	State5				10	349000	1745	106	50	0	-0.16	0.204	18.62	18.70	1.019	0.208	/	
	State5			Left Edge	10	349000	1745	106	1	1	0.14	0.070	18.38	18.70	1.076	0.075	/	
	State5				10	349000	1745	106	50	0	0.11	0.075	18.62	18.70	1.019	0.076	/	
	State5			Right Edge	10	349000	1745	106	1	1	0.13	0.017	18.38	18.70	1.076	0.018	/	
	State5				10	349000	1745	106	50	0	-0.15	0.017	18.62	18.70	1.019	0.017	/	
	State5			Top Edge	10	349000	1745	106	1	1	-0.10	0.000	18.38	18.70	1.076	0.000	/	
	State5				10	349000	1745	106	50	0	-0.18	0.000	18.62	18.70	1.019	0.000	/	
	State5			Bottom Edge	10	349000	1745	106	1	1	0.05	0.358	18.38	18.70	1.076	0.385	/	
	State5				10	349000	1745	106	50	0	-0.02	0.387	18.62	18.70	1.019	0.394	/	
Ant.1	State1&3	DFT-s-OFDM BPSK	NSA	Front Side	10	349000	1745	106	1	1	-0.02	0.117	22.92	24.20	1.343	0.157	/	
	State1&3				10	346000	1730	106	50	0	-0.18	0.084	22.91	24.20	1.346	0.113	/	
	State1&3			Back Side	10	349000	1745	106	1	1	-0.15	0.160	22.92	24.20	1.343	0.215	/	
	State1&3				10	346000	1730	106	50	0	0.02	0.118	22.91	24.20	1.346	0.159	/	
	State1&3			Left Edge	10	349000	1745	106	1	1	-0.15	0.009	22.92	24.20	1.343	0.012	/	
	State1&3				10	346000	1730	106	50	0	0.04	0.008	22.91	24.20	1.346	0.011	/	
	State1&3			Right Edge	10	349000	1745	106	1	1	0.02	0.341	22.92	24.20	1.343	0.458	/	
	State1&3				10	346000	1730	106	50	0	-0.12	0.254	22.91	24.20	1.346	0.342	/	
	State1&3			Top Edge	10	349000	1745	106	1	1	-0.09	0.016	22.92	24.20	1.343	0.021	/	
	State1&3				10	346000	1730	106	50	0	0.02	0.015	22.91	24.20	1.346	0.020	/	
	State1&3			Bottom Edge	10	349000	1745	106	1	1	0.12	0.004	22.92	24.20	1.343	0.005	/	
	State1&3				10	346000	1730	106	50	0	0.04	0.003	22.91	24.20	1.346	0.004	/	
Ant.1	State5	DFT-s-OFDM BPSK	NSA	Front Side	10	349000	1745	106	1	1	-0.02	0.081	21.32	21.70	1.091	0.088	/	
	State5				10	349000	1745	106	50	0	-0.18	0.062	21.53	21.70	1.040	0.064	/	
	State5			Back Side	10	349000	1745	106	1	1	-0.10	0.106	21.32	21.70	1.091	0.116	/	
	State5				10	349000	1745	106	50	0	-0.02	0.095	21.53	21.70	1.040	0.099	/	
	State5			Left Edge	10	349000	1745	106	1	1	-0.13	0.004	21.32	21.70	1.091	0.004	/	
	State5				10	349000	1745	106	50	0	0.19	0.003	21.53	21.70	1.040	0.003	/	
	State5			Right Edge	10	349000	1745	106	1	1	0.15	0.233	21.32	21.70	1.091	0.254	/	
	State5				10	349000	1745	106	50	0	0.13	0.206	21.53	21.70	1.040	0.214	/	
	State5			Top Edge	10	349000	1745	106	1	1	0.16	0.013	21.32	21.70	1.091	0.014	/	
	State5				10	349000	1745	106	50	0	-0.05	0.012	21.53	21.70	1.040	0.012	/	
	State5			Bottom Edge	10	349000	1745	106	1	1	0.05	0.002	21.32	21.70	1.091	0.002	/	
	State5				10	349000	1745	106	50	0	0.10	0.003	21.53	21.70	1.040	0.003	/	

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB UL	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant.3	State1&3&5	DFT-s-	SA	Bottom Edge	0	349000	1745	106	1	1	0.06	1.280	20.39	21.70	1.352	1.731	/
	State1&3&5	OFDM BPSK			0	349000	1745	106	50	0	0.03	1.310	20.44	21.70	1.337	1.751	73#

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

11.22 WIFI 2.4GHZ

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.8(CH0)	Level1&2	802.11 b	Left Cheek	0	6	2437	0.02	0.712	16.89	17.00	1.026	99.01	1.010	0.738	/
	Level1&2		Left Tilt	0	6	2437	0.12	0.598	16.89	17.00	1.026	99.01	1.010	0.620	/
	Level1&2		Right Cheek	0	6	2437	-0.11	0.397	16.89	17.00	1.026	99.01	1.010	0.411	/
	Level1&2		Right Tilt	0	6	2437	0.03	0.461	16.89	17.00	1.026	99.01	1.010	0.478	/
Ant.8(CH0)	Level3	802.11 b	Left Cheek	0	11	2462	0.10	0.534	15.95	16.00	1.012	99.01	1.010	0.546	/
	Level3		Left Tilt	0	11	2462	-0.18	0.466	15.95	16.00	1.012	99.01	1.010	0.476	/
	Level3		Right Cheek	0	11	2462	0.17	0.312	15.95	16.00	1.012	99.01	1.010	0.319	/
	Level3		Right Tilt	0	11	2462	-0.16	0.388	15.95	16.00	1.012	99.01	1.010	0.397	/
Ant.8(CH0)	Level4	802.11 b	Left Cheek	0	6	2437	0.15	0.345	14.47	14.50	1.007	99.01	1.010	0.351	/
	Level4		Left Tilt	0	6	2437	-0.10	0.311	14.47	14.50	1.007	99.01	1.010	0.316	/
	Level4		Right Cheek	0	6	2437	-0.08	0.206	14.47	14.50	1.007	99.01	1.010	0.210	/
	Level4		Right Tilt	0	6	2437	0.18	0.271	14.47	14.50	1.007	99.01	1.010	0.276	/
Ant.2(CH1)	Level1&2	802.11 b	Left Cheek	0	1	2412	0.07	0.112	16.76	17.00	1.057	99.01	1.010	0.120	/
	Level1&2		Left Tilt	0	1	2412	0.11	0.011	16.76	17.00	1.057	99.01	1.010	0.012	/
	Level1&2		Right Cheek	0	1	2412	0.02	0.342	16.76	17.00	1.057	99.01	1.010	0.365	/
	Level1&2		Right Tilt	0	1	2412	-0.14	0.012	16.76	17.00	1.057	99.01	1.010	0.013	/
Ant.2(CH1)	Level3	802.11 b	Left Cheek	0	1	2412	0.15	0.091	15.82	16.00	1.042	99.01	1.010	0.096	/
	Level3		Left Tilt	0	1	2412	-0.12	0.006	15.82	16.00	1.042	99.01	1.010	0.006	/
	Level3		Right Cheek	0	1	2412	0.07	0.266	15.82	16.00	1.042	99.01	1.010	0.280	/
	Level3		Right Tilt	0	1	2412	-0.19	0.006	15.82	16.00	1.042	99.01	1.010	0.006	/
Ant.2(CH1)	Level4	802.11 b	Left Cheek	0	11	2462	0.13	0.064	13.82	14.50	1.169	99.01	1.010	0.076	/
	Level4		Left Tilt	0	11	2462	0.15	0.004	13.82	14.50	1.169	99.01	1.010	0.005	/
	Level4		Right Cheek	0	11	2462	0.03	0.188	13.82	14.50	1.169	99.01	1.010	0.222	/
	Level4		Right Tilt	0	11	2462	-0.03	0.004	13.82	14.50	1.169	99.01	1.010	0.005	/
Ant.8(CH0)& Ant.2(CH1)	Level1&2	802.11 b	Left Cheek	0	1	2412	0.01	1.030	19.86	20.00	1.033	99.01	1.010	1.075	74#
	Level1&2		Left Tilt	0	1	2412	0.13	0.758	19.86	20.00	1.033	99.01	1.010	0.791	/
	Level1&2		Right Cheek	0	1	2412	0.07	0.444	19.86	20.00	1.033	99.01	1.010	0.463	/
	Level1&2		Right Tilt	0	1	2412	-0.19	0.535	19.86	20.00	1.033	99.01	1.010	0.558	/
	Level1&2		Left Cheek	0	1	2412	-0.07	0.938	19.86	20.00	1.033	99.01	1.010	0.979	/
	Level1&2		Left Cheek	0	1	2412	0.15	0.865	19.86	20.00	1.033	99.01	1.010	0.902	/
Ant.8(CH0)& Ant.2(CH1)	Level3	802.11 b	Left Cheek	0	11	2462	0.19	0.745	18.87	19.00	1.030	99.01	1.010	0.775	/
	Level3		Left Tilt	0	11	2462	-0.09	0.556	18.87	19.00	1.030	99.01	1.010	0.578	/
	Level3		Right Cheek	0	11	2462	0.02	0.306	18.87	19.00	1.030	99.01	1.010	0.318	/
	Level3		Right Tilt	0	11	2462	0.16	0.411	18.87	19.00	1.030	99.01	1.010	0.428	/
Ant.8(CH0)& Ant.2(CH1)	Level4	802.11 b	Left Cheek	0	11	2462	-0.04	0.534	17.5	17.50	1.000	99.01	1.010	0.539	/
	Level4		Left Tilt	0	11	2462	-0.06	0.388	17.5	17.50	1.000	99.01	1.010	0.392	/
	Level4		Right Cheek	0	11	2462	-0.09	0.223	17.5	17.50	1.000	99.01	1.010	0.225	/

	Level4		Right Tilt	0	11	2462	-0.17	0.284	17.5	17.50	1.000	99.01	1.010	0.287	/
Body-worn															
Ant.8(CH0)	Level5&6	802.11 b	Front Side	15	11	2462	0.08	0.082	17.17	18.50	1.358	99.01	1.010	0.112	/
	Level5&6		Back Side	15	11	2462	-0.12	0.086	17.17	18.50	1.358	99.01	1.010	0.118	/
Ant.8(CH0)	Level7	802.11 b	Front Side	15	11	2462	-0.08	0.041	15.95	16.00	1.012	99.01	1.010	0.042	/
	Level7		Back Side	15	11	2462	-0.11	0.053	15.95	16.00	1.012	99.01	1.010	0.054	/
Ant.8(CH0)	Level8	802.11 b	Front Side	15	6	2437	0.13	0.026	12.71	13.00	1.069	99.01	1.010	0.028	/
	Level8		Back Side	15	6	2437	0.15	0.025	12.71	13.00	1.069	99.01	1.010	0.027	/
Ant.2(CH1)	Level5&6	802.11 b	Front Side	15	1	2412	-0.12	0.061	18.37	18.50	1.030	99.01	1.010	0.063	/
	Level5&6		Back Side	15	1	2412	0.10	0.069	18.37	18.50	1.030	99.01	1.010	0.072	/
Ant.2(CH1)	Level7	802.11 b	Front Side	15	6	2437	0.16	0.038	15.82	16.00	1.042	99.01	1.010	0.040	/
	Level7		Back Side	15	6	2437	-0.18	0.046	15.82	16.00	1.042	99.01	1.010	0.048	/
Ant.2(CH1)	Level8	802.11 b	Front Side	15	11	2462	-0.18	0.021	12.97	13.00	1.007	99.01	1.010	0.021	/
	Level8		Back Side	15	11	2462	-0.03	0.029	12.97	13.00	1.007	99.01	1.010	0.029	/
Ant.8(CH0)& Ant.2(CH1)	Level5&6	802.11 b	Front Side	15	6	2437	-0.04	0.107	20.32	21.50	1.312	99.01	1.010	0.142	/
	Level5&6		Back Side	15	6	2437	-0.02	0.116	20.32	21.50	1.312	99.01	1.010	0.154	75#
Ant.8(CH0)& Ant.2(CH1)	Level7	802.11 b	Front Side	15	11	2462	-0.02	0.055	18.93	19.00	1.016	99.01	1.010	0.056	/
	Level7		Back Side	15	11	2462	0.00	0.069	18.93	19.00	1.016	99.01	1.010	0.071	/
Ant.8(CH0)& Ant.2(CH1)	Level8	802.11 b	Front Side	15	11	2462	-0.12	0.031	15.61	16.00	1.094	99.01	1.010	0.034	/
	Level8		Back Side	15	11	2462	0.03	0.044	15.61	16.00	1.094	99.01	1.010	0.049	/
Hotspot															
Ant.8(CH0)	Level5&6	802.11 b	Front Side	10	11	2462	-0.06	0.141	17.17	18.50	1.358	99.01	1.010	0.193	/
	Level5&6		Back Side	10	11	2462	0.19	0.163	17.17	18.50	1.358	99.01	1.010	0.224	/
	Level5&6		Left Edge	10	11	2462	0.17	0.096	17.17	18.50	1.358	99.01	1.010	0.132	/
	Level5&6		Right Edge	10	11	2462	-0.13	0.012	17.17	18.50	1.358	99.01	1.010	0.016	/
	Level5&6		Top Edge	10	11	2462	-0.05	0.293	17.17	18.50	1.358	99.01	1.010	0.402	/
	Level5&6		Bottom Edge	10	11	2462	-0.18	0.007	17.17	18.50	1.358	99.01	1.010	0.010	/
Ant.8(CH0)	Level7	802.11 b	Front Side	10	11	2462	0.19	0.075	15.95	16.00	1.012	99.01	1.010	0.077	/
	Level7		Back Side	10	11	2462	-0.05	0.073	15.95	16.00	1.012	99.01	1.010	0.075	/
	Level7		Left Edge	10	11	2462	0.06	0.056	15.95	16.00	1.012	99.01	1.010	0.057	/
	Level7		Right Edge	10	11	2462	-0.09	0.023	15.95	16.00	1.012	99.01	1.010	0.024	/
	Level7		Top Edge	10	11	2462	0.19	0.171	15.95	16.00	1.012	99.01	1.010	0.175	/
	Level7		Bottom Edge	10	11	2462	0.09	0.012	15.95	16.00	1.012	99.01	1.010	0.012	/
Ant.8(CH0)	Level8	802.11 b	Front Side	10	6	2437	0.16	0.045	12.71	13.00	1.069	99.01	1.010	0.049	/
	Level8		Back Side	10	6	2437	0.05	0.052	12.71	13.00	1.069	99.01	1.010	0.056	/
	Level8		Left Edge	10	6	2437	0.01	0.031	12.71	13.00	1.069	99.01	1.010	0.033	/
	Level8		Right Edge	10	6	2437	-0.01	0.006	12.71	13.00	1.069	99.01	1.010	0.006	/
	Level8		Top Edge	10	6	2437	0.14	0.081	12.71	13.00	1.069	99.01	1.010	0.087	/
	Level8		Bottom Edge	10	6	2437	0.08	0.011	12.71	13.00	1.069	99.01	1.010	0.012	/
Ant.2(CH1)	Level5&6	802.11 b	Front Side	10	1	2412	-0.17	0.104	18.37	18.50	1.030	99.01	1.010	0.108	/
	Level5&6		Back Side	10	1	2412	0.02	0.108	18.37	18.50	1.030	99.01	1.010	0.112	/
	Level5&6		Left Edge	10	1	2412	-0.07	0.309	18.37	18.50	1.030	99.01	1.010	0.321	/
	Level5&6		Right Edge	10	1	2412	0.07	0.023	18.37	18.50	1.030	99.01	1.010	0.024	/

	Level5&6		Top Edge	10	1	2412	0.13	0.013	18.37	18.50	1.030	99.01	1.010	0.014	/
	Level5&6		Bottom Edge	10	1	2412	0.01	0.015	18.37	18.50	1.030	99.01	1.010	0.016	/
Ant.2(CH1)	Level7	802.11 b	Front Side	10	6	2437	0.10	0.055	15.82	16.00	1.042	99.01	1.010	0.058	/
	Level7		Back Side	10	6	2437	0.06	0.063	15.82	16.00	1.042	99.01	1.010	0.066	/
	Level7		Left Edge	10	6	2437	-0.09	0.166	15.82	16.00	1.042	99.01	1.010	0.175	/
	Level7		Right Edge	10	6	2437	0.17	0.016	15.82	16.00	1.042	99.01	1.010	0.017	/
	Level7		Top Edge	10	6	2437	0.18	0.005	15.82	16.00	1.042	99.01	1.010	0.005	/
	Level7		Bottom Edge	10	6	2437	-0.05	0.006	15.82	16.00	1.042	99.01	1.010	0.006	/
Ant.2(CH1)	Level8	802.11 b	Front Side	10	11	2462	0.13	0.023	12.97	13.00	1.007	99.01	1.010	0.023	/
	Level8		Back Side	10	11	2462	-0.05	0.031	12.97	13.00	1.007	99.01	1.010	0.032	/
	Level8		Left Edge	10	11	2462	-0.03	0.082	12.97	13.00	1.007	99.01	1.010	0.083	/
	Level8		Right Edge	10	11	2462	-0.03	0.006	12.97	13.00	1.007	99.01	1.010	0.006	/
	Level8		Top Edge	10	11	2462	-0.16	0.002	12.97	13.00	1.007	99.01	1.010	0.002	/
	Level8		Bottom Edge	10	11	2462	-0.10	0.001	12.97	13.00	1.007	99.01	1.010	0.001	/
Ant.8(CH0)& Ant.2(CH1)	Level5&6	802.11 b	Front Side	10	6	2437	0.03	0.165	20.32	21.50	1.312	99.01	1.010	0.219	/
	Level5&6		Back Side	10	6	2437	-0.18	0.182	20.32	21.50	1.312	99.01	1.010	0.241	/
	Level5&6		Left Edge	10	6	2437	0.06	0.441	20.32	21.50	1.312	99.01	1.010	0.584	76#
	Level5&6		Right Edge	10	6	2437	0.06	0.012	20.32	21.50	1.312	99.01	1.010	0.016	/
	Level5&6		Top Edge	10	6	2437	-0.15	0.288	20.32	21.50	1.312	99.01	1.010	0.382	/
	Level5&6		Bottom Edge	10	6	2437	0.14	0.005	20.32	21.50	1.312	99.01	1.010	0.007	/
Ant.8(CH0)& Ant.2(CH1)	Level7	802.11 b	Front Side	10	11	2462	-0.03	0.121	18.93	19.00	1.016	99.01	1.010	0.124	/
	Level7		Back Side	10	11	2462	-0.18	0.132	18.93	19.00	1.016	99.01	1.010	0.135	/
	Level7		Left Edge	10	11	2462	-0.11	0.306	18.93	19.00	1.016	99.01	1.010	0.314	/
	Level7		Right Edge	10	11	2462	-0.14	0.006	18.93	19.00	1.016	99.01	1.010	0.006	/
	Level7		Top Edge	10	11	2462	-0.02	0.185	18.93	19.00	1.016	99.01	1.010	0.190	/
	Level7		Bottom Edge	10	11	2462	0.09	0.003	18.93	19.00	1.016	99.01	1.010	0.003	/
Ant.8(CH0)& Ant.2(CH1)	Level8	802.11 b	Front Side	10	11	2462	-0.11	0.063	15.61	16.00	1.094	99.01	1.010	0.070	/
	Level8		Back Side	10	11	2462	0.15	0.065	15.61	16.00	1.094	99.01	1.010	0.072	/
	Level8		Left Edge	10	11	2462	0.02	0.161	15.61	16.00	1.094	99.01	1.010	0.178	/
	Level8		Right Edge	10	11	2462	-0.01	0.003	15.61	16.00	1.094	99.01	1.010	0.003	/
	Level8		Top Edge	10	11	2462	0.07	0.085	15.61	16.00	1.094	99.01	1.010	0.094	/
	Level8		Bottom Edge	10	11	2462	0.19	0.001	15.61	16.00	1.094	99.01	1.010	0.001	/

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

11.23 WIFI 5GHz

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.2(CH0)	5.3G	Level1&2&3	802.11n (HT40)	Left Cheek	0	54	5270	-0.01	0.312	17.47	19.00	1.422	93.42	1.070	0.475	/
		Level1&2&3		Left Tilt	0	54	5270	-0.19	0.272	17.47	19.00	1.422	93.42	1.070	0.414	/
		Level1&2&3		Right Cheek	0	54	5270	0.19	0.311	17.47	19.00	1.422	93.42	1.070	0.473	/
		Level1&2&3		Right Tilt	0	54	5270	-0.15	0.099	17.47	19.00	1.422	93.42	1.070	0.151	/
		Level4	802.11n (HT40)	Left Cheek	0	54	5270	0.03	0.151	13.56	14.50	1.242	93.42	1.070	0.201	/
		Level4		Left Tilt	0	54	5270	0.10	0.081	13.56	14.50	1.242	93.42	1.070	0.108	/
		Level4		Right Cheek	0	54	5270	-0.09	0.131	13.56	14.50	1.242	93.42	1.070	0.174	/
		Level4		Right Tilt	0	54	5270	0.16	0.035	13.56	14.50	1.242	93.42	1.070	0.047	/
Ant.7(CH1)	5.3G	Level1&2&3	802.11n (HT40)	Left Cheek	0	54	5270	0.17	0.188	17.78	19.00	1.324	93.42	1.070	0.266	/
		Level1&2&3		Left Tilt	0	54	5270	-0.16	0.166	17.78	19.00	1.324	93.42	1.070	0.235	/
		Level1&2&3		Right Cheek	0	54	5270	0.12	0.205	17.78	19.00	1.324	93.42	1.070	0.290	/
		Level1&2&3		Right Tilt	0	54	5270	-0.07	0.242	17.78	19.00	1.324	93.42	1.070	0.343	/
		Level4	802.11n (HT40)	Left Cheek	0	54	5270	-0.13	0.075	13.6	14.50	1.230	93.42	1.070	0.099	/
		Level4		Left Tilt	0	54	5270	0.11	0.062	13.6	14.50	1.230	93.42	1.070	0.082	/
		Level4		Right Cheek	0	54	5270	-0.16	0.080	13.6	14.50	1.230	93.42	1.070	0.105	/
		Level4		Right Tilt	0	54	5270	0.08	0.089	13.6	14.50	1.230	93.42	1.070	0.117	/
Ant.2(CH0)& Ant.7(CH1)	5.3G	Level1&2&3	802.11n (HT40)	Left Cheek	0	54	5270	0.01	0.464	21.22	22.00	1.197	93.42	1.070	0.594	77#
		Level1&2&3		Left Tilt	0	54	5270	-0.09	0.352	21.22	22.00	1.197	93.42	1.070	0.451	/
		Level1&2&3		Right Cheek	0	54	5270	0.10	0.369	21.22	22.00	1.197	93.42	1.070	0.473	/
		Level1&2&3		Right Tilt	0	54	5270	-0.13	0.282	21.22	22.00	1.197	93.42	1.070	0.361	/
		Level4	802.11n (HT40)	Left Cheek	0	54	5270	0.02	0.171	17.01	17.50	1.119	93.42	1.070	0.205	/
		Level4		Left Tilt	0	54	5270	-0.15	0.123	17.01	17.50	1.119	93.42	1.070	0.147	/
		Level4		Right Cheek	0	54	5270	0.10	0.158	17.01	17.50	1.119	93.42	1.070	0.189	/
		Level4		Right Tilt	0	54	5270	0.10	0.116	17.01	17.50	1.119	93.42	1.070	0.139	/
Ant.2(CH0)	5.6G	Level1&2&3	802.11ac (VHT80)	Left Cheek	0	122	5610	0.03	0.386	17.39	19.00	1.449	88.37	1.132	0.633	/
		Level1&2&3		Left Tilt	0	122	5610	0.14	0.166	17.39	19.00	1.449	88.37	1.132	0.272	/
		Level1&2&3		Right Cheek	0	122	5610	-0.03	0.258	17.39	19.00	1.449	88.37	1.132	0.423	/
		Level1&2&3		Right Tilt	0	122	5610	0.07	0.113	17.39	19.00	1.449	88.37	1.132	0.185	/
		Level4	802.11ac (VHT80)	Left Cheek	0	122	5610	0.15	0.118	12.83	13.50	1.167	88.37	1.132	0.156	/
		Level4		Left Tilt	0	122	5610	0.02	0.047	12.83	13.50	1.167	88.37	1.132	0.062	/
		Level4		Right Cheek	0	122	5610	-0.16	0.072	12.83	13.50	1.167	88.37	1.132	0.095	/
		Level4		Right Tilt	0	122	5610	0.17	0.028	12.83	13.50	1.167	88.37	1.132	0.037	/
Ant.7(CH1)	5.6G	Level1&2&3	802.11ac (VHT80)	Left Cheek	0	122	5610	0.03	0.321	17	18.00	1.259	88.37	1.132	0.457	/
		Level1&2&3		Left Tilt	0	122	5610	0.06	0.390	17	18.00	1.259	88.37	1.132	0.556	/
		Level1&2&3		Right Cheek	0	122	5610	-0.10	0.328	17	18.00	1.259	88.37	1.132	0.467	/
		Level1&2&3		Right Tilt	0	122	5610	0.02	0.326	17	18.00	1.259	88.37	1.132	0.465	/
		Level4	802.11ac	Left Cheek	0	122	5610	0.06	0.117	12.59	13.50	1.233	88.37	1.132	0.163	/

		Level4	(VHT80)	Left Tilt	0	122	5610	0.05	0.145	12.59	13.50	1.233	88.37	1.132	0.202	/	
		Level4		Right Cheek	0	122	5610	-0.02	0.112	12.59	13.50	1.233	88.37	1.132	0.156	/	
		Level4		Right Tilt	0	122	5610	0.06	0.127	12.59	13.50	1.233	88.37	1.132	0.177	/	
Ant.2(CH0)& Ant.7(CH1)		Level1&2&3	802.11ac	Left Cheek	0	122	5610	0.10	0.450	20.04	21.00	1.247	88.37	1.132	0.635	/	
		Level1&2&3		Left Tilt	0	122	5610	0.05	0.501	20.04	21.00	1.247	88.37	1.132	0.707	78#	
		Level1&2&3		(VHT80)	Right Cheek	0	122	5610	-0.06	0.334	20.04	21.00	1.247	88.37	1.132	0.471	/
		Level1&2&3			Right Tilt	0	122	5610	-0.14	0.343	20.04	21.00	1.247	88.37	1.132	0.484	/
		Level4	802.11ac	Left Cheek	0	122	5610	0.06	0.165	16.08	16.50	1.102	88.37	1.132	0.206	/	
		Level4		Left Tilt	0	122	5610	0.15	0.179	16.08	16.50	1.102	88.37	1.132	0.223	/	
		Level4		(VHT80)	Right Cheek	0	122	5610	0.17	0.136	16.08	16.50	1.102	88.37	1.132	0.170	/
		Level4			Right Tilt	0	122	5610	0.16	0.151	16.08	16.50	1.102	88.37	1.132	0.188	/
Ant.2(CH0)		Level1&2	802.11ac	Left Cheek	0	155	5775	-0.03	0.141	17.04	19.00	1.570	88.37	1.132	0.251	/	
		Level1&2		Left Tilt	0	155	5775	0.11	0.086	17.04	19.00	1.570	88.37	1.132	0.153	/	
		Level1&2		(VHT80)	Right Cheek	0	155	5775	-0.19	0.132	17.04	19.00	1.570	88.37	1.132	0.235	/
		Level1&2			Right Tilt	0	155	5775	0.01	0.065	17.04	19.00	1.570	88.37	1.132	0.116	/
		Level3	802.11ac	Left Cheek	0	155	5775	0.12	0.118	17.04	18.00	1.247	88.37	1.132	0.167	/	
		Level3		Left Tilt	0	155	5775	-0.13	0.076	17.04	18.00	1.247	88.37	1.132	0.107	/	
		Level3		(VHT80)	Right Cheek	0	155	5775	-0.02	0.103	17.04	18.00	1.247	88.37	1.132	0.145	/
		Level3			Right Tilt	0	155	5775	0.00	0.052	17.04	18.00	1.247	88.37	1.132	0.073	/
		Level4	802.11ac	Left Cheek	0	155	5775	0.19	0.044	13.82	14.00	1.042	88.37	1.132	0.052	/	
		Level4		Left Tilt	0	155	5775	-0.12	0.032	13.82	14.00	1.042	88.37	1.132	0.038	/	
		Level4		(VHT80)	Right Cheek	0	155	5775	0.14	0.038	13.82	14.00	1.042	88.37	1.132	0.045	/
		Level4			Right Tilt	0	155	5775	-0.12	0.029	13.82	14.00	1.042	88.37	1.132	0.034	/
Ant.7(CH1)	5.8G	Level1&2	802.11ac	Left Cheek	0	155	5775	0.07	0.411	17.53	19.00	1.403	88.37	1.132	0.653	/	
		Level1&2		Left Tilt	0	155	5775	-0.13	0.602	17.53	19.00	1.403	88.37	1.132	0.956	79#	
		Level1&2		(VHT80)	Right Cheek	0	155	5775	-0.11	0.366	17.53	19.00	1.403	88.37	1.132	0.581	/
		Level1&2			Right Tilt	0	155	5775	0.19	0.394	17.53	19.00	1.403	88.37	1.132	0.626	/
		Level3	802.11ac	Left Cheek	0	155	5775	0.12	0.271	17.06	18.00	1.242	88.37	1.132	0.381	/	
		Level3		Left Tilt	0	155	5775	0.18	0.473	17.06	18.00	1.242	88.37	1.132	0.665	/	
		Level3		(VHT80)	Right Cheek	0	155	5775	0.02	0.265	17.06	18.00	1.242	88.37	1.132	0.373	/
		Level3			Right Tilt	0	155	5775	0.11	0.349	17.06	18.00	1.242	88.37	1.132	0.491	/
		Level4	802.11ac	Left Cheek	0	155	5775	-0.09	0.121	13.89	14.00	1.026	88.37	1.132	0.141	/	
		Level4		Left Tilt	0	155	5775	-0.04	0.234	13.89	14.00	1.026	88.37	1.132	0.272	/	
		Level4		(VHT80)	Right Cheek	0	155	5775	-0.12	0.155	13.89	14.00	1.026	88.37	1.132	0.180	/
		Level4			Right Tilt	0	155	5775	-0.14	0.165	13.89	14.00	1.026	88.37	1.132	0.192	/
Ant.2(CH0)& Ant.7(CH1)		Level1&2	802.11ac	Left Cheek	0	155	5775	0.12	0.529	20.59	22.00	1.384	88.37	1.132	0.829	/	
		Level1&2		Left Tilt	0	155	5775	-0.15	0.422	20.59	22.00	1.384	88.37	1.132	0.661	/	
		Level1&2		(VHT80)	Right Cheek	0	155	5775	0.12	0.323	20.59	22.00	1.384	88.37	1.132	0.506	/
		Level1&2			Right Tilt	0	155	5775	-0.12	0.355	20.59	22.00	1.384	88.37	1.132	0.556	/
		Level3	802.11ac	Left Cheek	0	155	5775	-0.05	0.412	20.33	21.00	1.167	88.37	1.132	0.544	/	
		Level3		Left Tilt	0	155	5775	0.00	0.332	20.33	21.00	1.167	88.37	1.132	0.439	/	
		Level3		(VHT80)	Right Cheek	0	155	5775	-0.10	0.232	20.33	21.00	1.167	88.37	1.132	0.306	/
		Level3			Right Tilt	0	155	5775	-0.09	0.262	20.33	21.00	1.167	88.37	1.132	0.346	/

		Level4	802.11ac (VHT80)	Left Cheek	0	155	5775	0.16	0.189	16.62	17.00	1.091	88.37	1.132	0.233	/		
		Level4		Left Tilt	0	155	5775	0.09	0.174	16.62	17.00	1.091	88.37	1.132	0.215	/		
		Level4		Right Cheek	0	155	5775	0.02	0.122	16.62	17.00	1.091	88.37	1.132	0.151	/		
		Level4		Right Tilt	0	155	5775	0.16	0.134	16.62	17.00	1.091	88.37	1.132	0.165	/		
Body-worn																		
Ant.2(CH0)	5.3G	Level5	802.11n (HT40)	Front Side	15	54	5270	0.18	0.072	17.47	19.00	1.422	93.42	1.070	0.110	/		
		Level5		Back Side	15	54	5270	-0.04	0.107	17.47	19.00	1.422	93.42	1.070	0.163	/		
Ant.7(CH1)		Level5	802.11n (HT40)	Front Side	15	54	5270	0.00	0.050	17.78	19.00	1.324	93.42	1.070	0.071	/		
		Level5		Back Side	15	54	5270	0.07	0.116	17.78	19.00	1.324	93.42	1.070	0.164	/		
Ant.2(CH0)& Ant.7(CH1)		Level5	802.11n (HT40)	Front Side	15	54	5270	0.15	0.068	21.22	22.00	1.197	93.42	1.070	0.087	/		
		Level5		Back Side	15	54	5270	-0.04	0.172	21.22	22.00	1.197	93.42	1.070	0.220	80#		
Ant.2(CH0)		5.6G	Level5	802.11ac (VHT80)	Front Side	15	122	5610	0.11	0.055	17.08	19.00	1.556	88.37	1.132	0.097	/	
			Level5		Back Side	15	122	5610	0.05	0.082	17.08	19.00	1.556	88.37	1.132	0.144	/	
Ant.7(CH1)	Level5		802.11ac (VHT80)	Front Side	15	122	5610	0.14	0.063	17.38	19.00	1.452	88.37	1.132	0.104	/		
	Level5			Back Side	15	122	5610	0.18	0.112	17.38	19.00	1.452	88.37	1.132	0.184	/		
Ant.2(CH0)& Ant.7(CH1)	Level5		802.11ac (VHT80)	Front Side	15	122	5610	0.19	0.085	20.51	22.00	1.409	88.37	1.132	0.136	/		
	Level5			Back Side	15	122	5610	0.04	0.148	20.51	22.00	1.409	88.37	1.132	0.236	81#		
Ant.2(CH0)	5.8G		Level5	802.11ac (VHT80)	Front Side	15	155	5775	0.12	0.064	17.04	19.00	1.570	88.37	1.132	0.114	/	
			Level5		Back Side	15	155	5775	-0.17	0.081	17.04	19.00	1.570	88.37	1.132	0.144	/	
Ant.7(CH1)		Level5	802.11ac (VHT80)	Front Side	15	155	5775	-0.11	0.032	17.53	19.00	1.403	88.37	1.132	0.051	/		
		Level5		Back Side	15	155	5775	0.11	0.068	17.53	19.00	1.403	88.37	1.132	0.108	/		
Ant.2(CH0)& Ant.7(CH1)		Level5	802.11ac (VHT80)	Front Side	15	155	5775	-0.15	0.074	20.59	22.00	1.384	88.37	1.132	0.116	/		
		Level5		Back Side	15	155	5775	0.18	0.122	20.59	22.00	1.384	88.37	1.132	0.191	82#		
Hotspot																		
Ant.2(CH0)		5.2G	Level5	802.11n (HT40)	Front Side	10	46	5230	-0.14	0.071	17.57	19.00	1.390	93.42	1.070	0.106	/	
	Level5		Back Side		10	46	5230	-0.04	0.126	17.57	19.00	1.390	93.42	1.070	0.187	/		
	Level5		Left Edge		10	46	5230	0.12	0.287	17.57	19.00	1.390	93.42	1.070	0.427	/		
	Level5		Right Edge		10	46	5230	-0.11	0.013	17.57	19.00	1.390	93.42	1.070	0.019	/		
	Level5		Top Edge		10	46	5230	0.16	0.101	17.57	19.00	1.390	93.42	1.070	0.150	/		
	Level5		Bottom Edge		10	46	5230	-0.03	0.008	17.57	19.00	1.390	93.42	1.070	0.012	/		
	Level6&7		802.11n (HT40)	Front Side	10	46	5230	-0.03	0.031	14.3	15.00	1.175	93.42	1.070	0.039	/		
	Level6&7			Back Side	10	46	5230	-0.02	0.043	14.3	15.00	1.175	93.42	1.070	0.054	/		
	Level6&7			Left Edge	10	46	5230	-0.19	0.108	14.3	15.00	1.175	93.42	1.070	0.136	/		
	Level6&7			Right Edge	10	46	5230	0.02	0.016	14.3	15.00	1.175	93.42	1.070	0.020	/		
	Level6&7			Top Edge	10	46	5230	-0.09	0.044	14.3	15.00	1.175	93.42	1.070	0.055	/		
	Level6&7			Bottom Edge	10	46	5230	0.12	0.009	14.3	15.00	1.175	93.42	1.070	0.011	/		
	Level8		802.11n (HT40)	Front Side	10	46	5230	0.14	0.014	10.8	12.00	1.318	93.42	1.070	0.020	/		
	Level8			Back Side	10	46	5230	-0.19	0.026	10.8	12.00	1.318	93.42	1.070	0.037	/		
	Level8			Left Edge	10	46	5230	-0.01	0.059	10.8	12.00	1.318	93.42	1.070	0.083	/		
	Level8			Right Edge	10	46	5230	0.02	0.015	10.8	12.00	1.318	93.42	1.070	0.021	/		
	Level8			Top Edge	10	46	5230	-0.11	0.021	10.8	12.00	1.318	93.42	1.070	0.030	/		
	Level8			Bottom Edge	10	46	5230	0.16	0.005	10.8	12.00	1.318	93.42	1.070	0.007	/		
	Ant.7(CH1)			Level5	802.11n	Front Side	10	46	5230	0.19	0.078	18.08	19.00	1.236	93.42	1.070	0.103	/

		Level5	(HT40)	Back Side	10	46	5230	0.13	0.193	18.08	19.00	1.236	93.42	1.070	0.255	/			
		Level5		Left Edge	10	46	5230	0.13	0.037	18.08	19.00	1.236	93.42	1.070	0.049	/			
		Level5		Right Edge	10	46	5230	-0.14	0.090	18.08	19.00	1.236	93.42	1.070	0.119	/			
		Level5		Top Edge	10	46	5230	0.11	0.387	18.08	19.00	1.236	93.42	1.070	0.512	/			
		Level5		Bottom Edge	10	46	5230	0.14	0.015	18.08	19.00	1.236	93.42	1.070	0.020	/			
		Level6&7	802.11n	Front Side	10	46	5230	-0.06	0.037	14.09	15.00	1.233	93.42	1.070	0.049	/			
		Level6&7			Back Side	10	46	5230	-0.18	0.083	14.09	15.00	1.233	93.42	1.070	0.110	/		
		Level6&7			Left Edge	10	46	5230	-0.12	0.013	14.09	15.00	1.233	93.42	1.070	0.017	/		
		Level6&7		(HT40)	Right Edge	10	46	5230	-0.13	0.036	14.09	15.00	1.233	93.42	1.070	0.047	/		
		Level6&7			Top Edge	10	46	5230	-0.06	0.138	14.09	15.00	1.233	93.42	1.070	0.182	/		
		Level6&7		Bottom Edge	10	46	5230	0.14	0.005	14.09	15.00	1.233	93.42	1.070	0.007	/			
		Level8	802.11n	Front Side	10	46	5230	0.12	0.018	11.03	12.00	1.250	93.42	1.070	0.024	/			
		Level8			Back Side	10	46	5230	-0.15	0.038	11.03	12.00	1.250	93.42	1.070	0.051	/		
		Level8			Left Edge	10	46	5230	-0.18	0.007	11.03	12.00	1.250	93.42	1.070	0.009	/		
		Level8		(HT40)	Right Edge	10	46	5230	0.16	0.015	11.03	12.00	1.250	93.42	1.070	0.020	/		
		Level8			Top Edge	10	46	5230	0.03	0.076	11.03	12.00	1.250	93.42	1.070	0.102	/		
		Level8		Bottom Edge	10	46	5230	-0.18	0.006	11.03	12.00	1.250	93.42	1.070	0.008	/			
		Ant.2(CH0)& Ant.7(CH1)		Level5	802.11n	Front Side	10	46	5230	-0.02	0.124	21.43	22.00	1.140	93.42	1.070	0.151	/	
				Level5			Back Side	10	46	5230	0.10	0.265	21.43	22.00	1.140	93.42	1.070	0.323	/
				Level5			Left Edge	10	46	5230	-0.11	0.332	21.43	22.00	1.140	93.42	1.070	0.405	/
Level5	(HT40)			Right Edge		10	46	5230	0.08	0.084	21.43	22.00	1.140	93.42	1.070	0.102	/		
Level5				Top Edge		10	46	5230	0.08	0.466	21.43	22.00	1.140	93.42	1.070	0.568	83#		
Level5				Bottom Edge	10	46	5230	0.02	0.008	21.43	22.00	1.140	93.42	1.070	0.010	/			
Level6&7	802.11n			Front Side	10	46	5230	-0.16	0.043	17.6	18.00	1.096	93.42	1.070	0.050	/			
Level6&7					Back Side	10	46	5230	-0.11	0.099	17.6	18.00	1.096	93.42	1.070	0.116	/		
Level6&7					Left Edge	10	46	5230	-0.16	0.138	17.6	18.00	1.096	93.42	1.070	0.162	/		
Level6&7				(HT40)	Right Edge	10	46	5230	0.14	0.037	17.6	18.00	1.096	93.42	1.070	0.043	/		
Level6&7					Top Edge	10	46	5230	0.02	0.184	17.6	18.00	1.096	93.42	1.070	0.216	/		
Level6&7				Bottom Edge	10	46	5230	-0.06	0.006	17.6	18.00	1.096	93.42	1.070	0.007	/			
Level8	802.11n			Front Side	10	46	5230	0.04	0.025	14.44	15.00	1.138	93.42	1.070	0.030	/			
Level8					Back Side	10	46	5230	0.13	0.056	14.44	15.00	1.138	93.42	1.070	0.068	/		
Level8					Left Edge	10	46	5230	-0.04	0.065	14.44	15.00	1.138	93.42	1.070	0.079	/		
Level8				(HT40)	Right Edge	10	46	5230	-0.04	0.020	14.44	15.00	1.138	93.42	1.070	0.024	/		
Level8					Top Edge	10	46	5230	-0.09	0.098	14.44	15.00	1.138	93.42	1.070	0.119	/		
Level8				Bottom Edge	10	46	5230	0.10	0.007	14.44	15.00	1.138	93.42	1.070	0.009	/			
Ant.2(CH0)	5.8G			Level5	802.11ac	Front Side	10	155	5775	0.14	0.172	17.04	19.00	1.570	88.37	1.132	0.306	/	
				Level5			Back Side	10	155	5775	0.01	0.265	17.04	19.00	1.570	88.37	1.132	0.471	/
		Level5		Left Edge		10	155	5775	0.15	0.464	17.04	19.00	1.570	88.37	1.132	0.825	/		
		Level5	(VHT80)	Right Edge		10	155	5775	-0.08	0.023	17.04	19.00	1.570	88.37	1.132	0.041	/		
		Level5		Top Edge		10	155	5775	0.10	0.177	17.04	19.00	1.570	88.37	1.132	0.315	/		
		Level5		Bottom Edge	10	155	5775	0.08	0.131	17.04	19.00	1.570	88.37	1.132	0.233	/			
		Level6&7	802.11ac	Front Side	10	155	5775	0.11	0.083	15.84	16.00	1.038	88.37	1.132	0.098	/			
		Level6&7	(VHT80)	Back Side	10	155	5775	-0.05	0.122	15.84	16.00	1.038	88.37	1.132	0.143	/			

		Level6&7	802.11ac	Left Edge	10	155	5775	0.07	0.245	15.84	16.00	1.038	88.37	1.132	0.288	/		
		Level6&7		Right Edge	10	155	5775	-0.05	0.016	15.84	16.00	1.038	88.37	1.132	0.019	/		
		Level6&7		Top Edge	10	155	5775	0.17	0.093	15.84	16.00	1.038	88.37	1.132	0.109	/		
		Level6&7		Bottom Edge	10	155	5775	-0.19	0.063	15.84	16.00	1.038	88.37	1.132	0.074	/		
		Level8	802.11ac (VHT80)	Front Side	10	155	5775	0.16	0.038	12.93	13.00	1.016	88.37	1.132	0.044	/		
		Level8		Back Side	10	155	5775	0.06	0.056	12.93	13.00	1.016	88.37	1.132	0.064	/		
		Level8		Left Edge	10	155	5775	0.06	0.116	12.93	13.00	1.016	88.37	1.132	0.133	/		
		Level8		Right Edge	10	155	5775	0.02	0.009	12.93	13.00	1.016	88.37	1.132	0.010	/		
		Level8		Top Edge	10	155	5775	0.18	0.053	12.93	13.00	1.016	88.37	1.132	0.061	/		
		Level8		Bottom Edge	10	155	5775	0.00	0.036	12.93	13.00	1.016	88.37	1.132	0.041	/		
		Ant.7(CH1)		Level5	802.11ac (VHT80)	Front Side	10	155	5775	-0.03	0.063	17.53	19.00	1.403	88.37	1.132	0.100	/
				Level5		Back Side	10	155	5775	0.16	0.101	17.53	19.00	1.403	88.37	1.132	0.160	/
				Level5		Left Edge	10	155	5775	0.19	0.022	17.53	19.00	1.403	88.37	1.132	0.035	/
				Level5		Right Edge	10	155	5775	0.03	0.011	17.53	19.00	1.403	88.37	1.132	0.017	/
				Level5		Top Edge	10	155	5775	-0.12	0.230	17.53	19.00	1.403	88.37	1.132	0.365	/
				Level5		Bottom Edge	10	155	5775	-0.01	0.016	17.53	19.00	1.403	88.37	1.132	0.025	/
Level6&7	802.11ac (VHT80)			Front Side	10	155	5775	-0.19	0.041	15.91	16.00	1.021	88.37	1.132	0.047	/		
Level6&7				Back Side	10	155	5775	-0.03	0.055	15.91	16.00	1.021	88.37	1.132	0.064	/		
Level6&7				Left Edge	10	155	5775	0.15	0.016	15.91	16.00	1.021	88.37	1.132	0.018	/		
Level6&7				Right Edge	10	155	5775	0.03	0.003	15.91	16.00	1.021	88.37	1.132	0.003	/		
Level6&7				Top Edge	10	155	5775	-0.10	0.121	15.91	16.00	1.021	88.37	1.132	0.140	/		
Level6&7				Bottom Edge	10	155	5775	0.02	0.007	15.91	16.00	1.021	88.37	1.132	0.008	/		
Ant.2(CH0)& Ant.7(CH1)				Level8	802.11ac (VHT80)	Front Side	10	155	5775	0.08	0.023	12.9	13.00	1.023	88.37	1.132	0.027	/
				Level8		Back Side	10	155	5775	-0.16	0.024	12.9	13.00	1.023	88.37	1.132	0.028	/
				Level8		Left Edge	10	155	5775	0.05	0.006	12.9	13.00	1.023	88.37	1.132	0.007	/
				Level8		Right Edge	10	155	5775	-0.09	0.001	12.9	13.00	1.023	88.37	1.132	0.001	/
		Level8	Top Edge	10		155	5775	0.14	0.071	12.9	13.00	1.023	88.37	1.132	0.082	/		
		Level8	Bottom Edge	10		155	5775	0.08	0.003	12.9	13.00	1.023	88.37	1.132	0.003	/		
		Level5	802.11ac (VHT80)	Front Side	10	155	5775	0.14	0.182	20.59	22.00	1.384	88.37	1.132	0.285	/		
		Level5		Back Side	10	155	5775	0.06	0.288	20.59	22.00	1.384	88.37	1.132	0.451	/		
		Level5		Left Edge	10	155	5775	0.09	0.544	20.59	22.00	1.384	88.37	1.132	0.852	84#		
		Level5		Right Edge	10	155	5775	-0.15	0.056	20.59	22.00	1.384	88.37	1.132	0.088	/		
		Level5		Top Edge	10	155	5775	0.13	0.422	20.59	22.00	1.384	88.37	1.132	0.661	/		
		Level5		Bottom Edge	10	155	5775	0.09	0.123	20.59	22.00	1.384	88.37	1.132	0.193	/		
				Level6&7	802.11ac (VHT80)	Front Side	10	155	5775	-0.06	0.074	18.86	19.00	1.033	88.37	1.132	0.087	/
				Level6&7		Back Side	10	155	5775	0.16	0.085	18.86	19.00	1.033	88.37	1.132	0.099	/
				Level6&7		Left Edge	10	155	5775	0.19	0.176	18.86	19.00	1.033	88.37	1.132	0.206	/
				Level6&7		Right Edge	10	155	5775	-0.14	0.021	18.86	19.00	1.033	88.37	1.132	0.025	/
Level6&7	Top Edge			10		155	5775	-0.11	0.156	18.86	19.00	1.033	88.37	1.132	0.182	/		
Level6&7	Bottom Edge			10		155	5775	0.04	0.043	18.86	19.00	1.033	88.37	1.132	0.050	/		
Level8	802.11ac (VHT80)			Front Side	10	155	5775	-0.06	0.041	15.64	16.00	1.086	88.37	1.132	0.050	/		
Level8				Back Side	10	155	5775	0.09	0.056	15.64	16.00	1.086	88.37	1.132	0.069	/		
Level8				Left Edge	10	155	5775	0.19	0.093	15.64	16.00	1.086	88.37	1.132	0.114	/		

		Level8		Right Edge	10	155	5775	0.12	0.013	15.64	16.00	1.086	88.37	1.132	0.016	/
		Level8		Top Edge	10	155	5775	0.18	0.083	15.64	16.00	1.086	88.37	1.132	0.102	/
		Level8		Bottom Edge	10	155	5775	0.14	0.026	15.64	16.00	1.086	88.37	1.132	0.032	/

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

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
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Specific

Ant.2(CH0)	5.3G	Level5	802.11n (HT40)	Front Side	0	54	5270	-0.04	0.284	17.47	19.00	1.422	93.42	1.070	0.432	/
		Level5		Back Side	0	54	5270	0.04	0.142	17.47	19.00	1.422	93.42	1.070	0.216	/
		Level5		Left Edge	0	54	5270	0	1.019	17.47	19.00	1.422	93.42	1.070	1.550	/
		Level5		Right Edge	0	54	5270	-0.05	0.013	17.47	19.00	1.422	93.42	1.070	0.020	/
		Level5		Top Edge	0	54	5270	0.19	0.072	17.47	19.00	1.422	93.42	1.070	0.110	/
		Level5		Bottom Edge	0	54	5270	0.16	0.056	17.47	19.00	1.422	93.42	1.070	0.085	/
		Level6&7	802.11n (HT40)	Front Side	0	54	5270	0.18	0.12	14.01	15.00	1.256	93.42	1.070	0.161	/
		Level6&7		Back Side	0	54	5270	-0.14	0.056	14.01	15.00	1.256	93.42	1.070	0.075	/
		Level6&7		Left Edge	0	54	5270	-0.13	0.455	14.01	15.00	1.256	93.42	1.070	0.611	/
		Level6&7		Right Edge	0	54	5270	-0.03	0.006	14.01	15.00	1.256	93.42	1.070	0.008	/
		Level6&7		Top Edge	0	54	5270	0.05	0.033	14.01	15.00	1.256	93.42	1.070	0.044	/
		Level6&7		Bottom Edge	0	54	5270	0.05	0.024	14.01	15.00	1.256	93.42	1.070	0.032	/
		Level8	802.11n (HT40)	Front Side	0	54	5270	-0.18	0.057	11.13	12.00	1.222	93.42	1.070	0.075	/
		Level8		Back Side	0	54	5270	-0.11	0.025	11.13	12.00	1.222	93.42	1.070	0.033	/
		Level8		Left Edge	0	54	5270	-0.15	0.218	11.13	12.00	1.222	93.42	1.070	0.285	/
		Level8		Right Edge	0	54	5270	-0.16	0.003	11.13	12.00	1.222	93.42	1.070	0.004	/
		Level8		Top Edge	0	54	5270	-0.17	0.014	11.13	12.00	1.222	93.42	1.070	0.018	/
		Level8		Bottom Edge	0	54	5270	0.19	0.012	11.13	12.00	1.222	93.42	1.070	0.016	/
Ant.7(CH1)	5.3G	Level5	802.11n (HT40)	Front Side	0	54	5270	0.12	0.133	17.78	19.00	1.324	93.42	1.070	0.188	/
		Level5		Back Side	0	54	5270	-0.12	0.14	17.78	19.00	1.324	93.42	1.070	0.198	/
		Level5		Left Edge	0	54	5270	0.01	0.023	17.78	19.00	1.324	93.42	1.070	0.033	/
		Level5		Right Edge	0	54	5270	-0.17	0.034	17.78	19.00	1.324	93.42	1.070	0.048	/
		Level5		Top Edge	0	54	5270	0.19	0.871	17.78	19.00	1.324	93.42	1.070	1.234	/
		Level5		Bottom Edge	0	54	5270	-0.06	0.003	17.78	19.00	1.324	93.42	1.070	0.004	/
		Level6&7	802.11n (HT40)	Front Side	0	54	5270	-0.05	0.05	14	15.00	1.259	93.42	1.070	0.067	/
		Level6&7		Back Side	0	54	5270	0.14	0.061	14	15.00	1.259	93.42	1.070	0.082	/
		Level6&7		Left Edge	0	54	5270	-0.16	0.009	14	15.00	1.259	93.42	1.070	0.012	/
		Level6&7		Right Edge	0	54	5270	-0.11	0.013	14	15.00	1.259	93.42	1.070	0.018	/
		Level6&7		Top Edge	0	54	5270	0.19	0.337	14	15.00	1.259	93.42	1.070	0.454	/
		Level6&7		Bottom Edge	0	54	5270	-0.16	0.001	14	15.00	1.259	93.42	1.070	0.001	/
		Level8	802.11n (HT40)	Front Side	0	54	5270	0.06	0.024	11	12.00	1.259	93.42	1.070	0.032	/
		Level8		Back Side	0	54	5270	0.02	0.03	11	12.00	1.259	93.42	1.070	0.040	/
		Level8		Left Edge	0	54	5270	-0.01	0.005	11	12.00	1.259	93.42	1.070	0.007	/

Ant.2(CH0)& Ant.7(CH1)	5.6G	Level8	802.11n (HT40)	Right Edge	0	54	5270	-0.17	0.007	11	12.00	1.259	93.42	1.070	0.009	/
		Level8		Top Edge	0	54	5270	0.14	0.152	11	12.00	1.259	93.42	1.070	0.205	/
		Level8		Bottom Edge	0	54	5270	-0.18	0.001	11	12.00	1.259	93.42	1.070	0.001	/
		Level5	802.11n (HT40)	Front Side	0	54	5270	-0.16	0.316	21.22	22.00	1.197	93.42	1.070	0.405	/
		Level5		Back Side	0	54	5270	-0.04	0.17	21.22	22.00	1.197	93.42	1.070	0.218	/
		Level5		Left Edge	0	54	5270	-0.05	1.03	21.22	22.00	1.197	93.42	1.070	1.319	/
		Level5		Right Edge	0	54	5270	-0.08	0.028	21.22	22.00	1.197	93.42	1.070	0.036	/
		Level5		Top Edge	0	54	5270	-0.11	1.24	21.22	22.00	1.197	93.42	1.070	1.588	85#
		Level5		Bottom Edge	0	54	5270	-0.08	0.007	21.22	22.00	1.197	93.42	1.070	0.009	/
		Level6&7	802.11n (HT40)	Front Side	0	54	5270	0.13	0.11	17.49	18.00	1.125	93.42	1.070	0.132	/
		Level6&7		Back Side	0	54	5270	0.09	0.061	17.49	18.00	1.125	93.42	1.070	0.073	/
		Level6&7		Left Edge	0	54	5270	0.06	0.406	17.49	18.00	1.125	93.42	1.070	0.489	/
		Level6&7		Right Edge	0	54	5270	0.09	0.011	17.49	18.00	1.125	93.42	1.070	0.013	/
		Level6&7		Top Edge	0	54	5270	0.06	0.474	17.49	18.00	1.125	93.42	1.070	0.571	/
		Level6&7		Bottom Edge	0	54	5270	0.06	0.008	17.49	18.00	1.125	93.42	1.070	0.010	/
		Level8	802.11n (HT40)	Front Side	0	54	5270	-0.08	0.056	14.63	15.00	1.089	93.42	1.070	0.065	/
		Level8		Back Side	0	54	5270	-0.19	0.03	14.63	15.00	1.089	93.42	1.070	0.035	/
		Level8		Left Edge	0	54	5270	-0.09	0.204	14.63	15.00	1.089	93.42	1.070	0.238	/
		Level8		Right Edge	0	54	5270	0.04	0.006	14.63	15.00	1.089	93.42	1.070	0.007	/
		Level8		Top Edge	0	54	5270	0.16	0.267	14.63	15.00	1.089	93.42	1.070	0.311	/
		Level8		Bottom Edge	0	54	5270	-0.02	0.001	14.63	15.00	1.089	93.42	1.070	0.001	/
Ant.2(CH0)	5.6G	Level5	802.11n (HT40)	Front Side	0	122	5610	-0.18	0.164	17.08	19.00	1.556	93.42	1.070	0.273	/
		Level5		Back Side	0	122	5610	0.06	0.081	17.08	19.00	1.556	93.42	1.070	0.135	/
		Level5		Left Edge	0	122	5610	0.11	0.27	17.08	19.00	1.556	93.42	1.070	0.450	/
		Level5		Right Edge	0	122	5610	0.17	0.006	17.08	19.00	1.556	93.42	1.070	0.010	/
		Level5		Top Edge	0	122	5610	0.07	0.057	17.08	19.00	1.556	93.42	1.070	0.095	/
		Level5		Bottom Edge	0	122	5610	0.02	0.001	17.08	19.00	1.556	93.42	1.070	0.002	/
		Level6&7	802.11n (HT40)	Front Side	0	122	5610	0.15	0.078	15.69	16.50	1.205	93.42	1.070	0.101	/
		Level6&7		Back Side	0	122	5610	-0.08	0.045	15.69	16.50	1.205	93.42	1.070	0.058	/
		Level6&7		Left Edge	0	122	5610	0.09	0.149	15.69	16.50	1.205	93.42	1.070	0.192	/
		Level6&7		Right Edge	0	122	5610	-0.03	0.01	15.69	16.50	1.205	93.42	1.070	0.013	/
		Level6&7		Top Edge	0	122	5610	-0.15	0.027	15.69	16.50	1.205	93.42	1.070	0.035	/
		Level6&7		Bottom Edge	0	122	5610	-0.16	0.007	15.69	16.50	1.205	93.42	1.070	0.009	/
		Level8	802.11n (HT40)	Front Side	0	122	5610	-0.06	0.049	13.4	14.00	1.148	93.42	1.070	0.060	/
		Level8		Back Side	0	122	5610	-0.14	0.026	13.4	14.00	1.148	93.42	1.070	0.032	/
		Level8		Left Edge	0	122	5610	-0.18	0.093	13.4	14.00	1.148	93.42	1.070	0.114	/
Level8	Right Edge	0		122	5610	0.15	0.008	13.4	14.00	1.148	93.42	1.070	0.010	/		
Level8	Top Edge	0		122	5610	0.18	0.018	13.4	14.00	1.148	93.42	1.070	0.022	/		
Level8	Bottom Edge	0		122	5610	0.08	0.008	13.4	14.00	1.148	93.42	1.070	0.010	/		
Ant.7(CH1)	5.6G	Level5	802.11n	Front Side	0	122	5610	0.02	0.124	17.38	19.00	1.452	93.42	1.070	0.193	/
		Level5		Back Side	0	122	5610	0.16	0.082	17.38	19.00	1.452	93.42	1.070	0.127	/
		Level5	(HT40)	Left Edge	0	122	5610	0.02	0.026	17.38	19.00	1.452	93.42	1.070	0.040	/
		Level5		Right Edge	0	122	5610	0.09	0.025	17.38	19.00	1.452	93.42	1.070	0.039	/

	Level5		Top Edge	0	122	5610	-0.04	0.683	17.38	19.00	1.452	93.42	1.070	1.061	86#	
	Level5		Bottom Edge	0	122	5610	-0.06	0.002	17.38	19.00	1.452	93.42	1.070	0.003	/	
	Level6&7	802.11n (HT40)	Front Side	0	122	5610	-0.04	0.074	15.77	16.50	1.183	93.42	1.070	0.094	/	
	Level6&7		Back Side	0	122	5610	-0.02	0.055	15.77	16.50	1.183	93.42	1.070	0.070	/	
	Level6&7		Left Edge	0	122	5610	0.16	0.015	15.77	16.50	1.183	93.42	1.070	0.019	/	
	Level6&7		Right Edge	0	122	5610	-0.11	0.014	15.77	16.50	1.183	93.42	1.070	0.018	/	
	Level6&7		Top Edge	0	122	5610	0.13	0.396	15.77	16.50	1.183	93.42	1.070	0.501	/	
	Level6&7		Bottom Edge	0	122	5610	-0.18	0.007	15.77	16.50	1.183	93.42	1.070	0.009	/	
	Level8		802.11n (HT40)	Front Side	0	122	5610	-0.18	0.044	13.32	14.00	1.169	93.42	1.070	0.055	/
	Level8			Back Side	0	122	5610	-0.05	0.027	13.32	14.00	1.169	93.42	1.070	0.034	/
	Level8	Left Edge		0	122	5610	0.18	0.008	13.32	14.00	1.169	93.42	1.070	0.010	/	
	Level8	Right Edge		0	122	5610	-0.15	0.007	13.32	14.00	1.169	93.42	1.070	0.009	/	
	Level8	Top Edge		0	122	5610	0.12	0.216	13.32	14.00	1.169	93.42	1.070	0.270	/	
	Level8	Bottom Edge		0	122	5610	0.05	0.002	13.32	14.00	1.169	93.42	1.070	0.003	/	
	Ant.2(CH0)& Ant.7(CH1)	Level5	802.11n (HT40)	Front Side	0	122	5610	0.19	0.166	20.51	22.00	1.409	93.42	1.070	0.250	/
		Level5		Back Side	0	122	5610	0.11	0.11	20.51	22.00	1.409	93.42	1.070	0.166	/
		Level5		Left Edge	0	122	5610	-0.07	0.442	20.51	22.00	1.409	93.42	1.070	0.666	/
		Level5		Right Edge	0	122	5610	0.11	0.031	20.51	22.00	1.409	93.42	1.070	0.047	/
Level5		Top Edge		0	122	5610	0.18	0.54	20.51	22.00	1.409	93.42	1.070	0.814	/	
Level5		Bottom Edge		0	122	5610	-0.17	0.044	20.51	22.00	1.409	93.42	1.070	0.066	/	
Level6&7		802.11n (HT40)	Front Side	0	122	5610	0.07	0.093	19.17	19.50	1.079	93.42	1.070	0.107	/	
Level6&7			Back Side	0	122	5610	0.18	0.07	19.17	19.50	1.079	93.42	1.070	0.081	/	
Level6&7			Left Edge	0	122	5610	-0.09	0.286	19.17	19.50	1.079	93.42	1.070	0.330	/	
Level6&7			Right Edge	0	122	5610	0.11	0.016	19.17	19.50	1.079	93.42	1.070	0.018	/	
Level6&7			Top Edge	0	122	5610	0.01	0.294	19.17	19.50	1.079	93.42	1.070	0.339	/	
Level6&7			Bottom Edge	0	122	5610	-0.04	0.027	19.17	19.50	1.079	93.42	1.070	0.031	/	
Level8		802.11n (HT40)	Front Side	0	122	5610	0.12	0.055	16.46	17.00	1.132	93.42	1.070	0.067	/	
Level8			Back Side	0	122	5610	-0.08	0.034	16.46	17.00	1.132	93.42	1.070	0.041	/	
Level8			Left Edge	0	122	5610	0.09	0.144	16.46	17.00	1.132	93.42	1.070	0.174	/	
Level8			Right Edge	0	122	5610	0.15	0.009	16.46	17.00	1.132	93.42	1.070	0.011	/	
Level8			Top Edge	0	122	5610	0.02	0.169	16.46	17.00	1.132	93.42	1.070	0.205	/	
Level8			Bottom Edge	0	122	5610	0.01	0.015	16.46	17.00	1.132	93.42	1.070	0.018	/	
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.24 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.8(CH0)	DH5	Left Cheek	0	78	2480	-0.01	0.238	14.15	15.00	1.216	76.61	1.305	0.378	87#
		Left Tilt	0	78	2480	-0.17	0.082	14.15	15.00	1.216	76.61	1.305	0.130	/
		Right Cheek	0	78	2480	-0.03	0.050	14.15	15.00	1.216	76.61	1.305	0.079	/
		Right Tilt	0	78	2480	-0.06	0.057	14.15	15.00	1.216	76.61	1.305	0.090	/
Body-worn														
Ant.8(CH0)	DH5	Front Side	15	78	2480	-0.08	0.024	14.15	15.00	1.216	76.61	1.305	0.029	/
		Back Side	15	78	2480	-0.05	0.034	14.15	15.00	1.216	76.61	1.305	0.041	88#
Hotspot														
Ant.8(CH0)	DH5	Front Side	10	78	2480	0.19	0.028	14.15	15.00	1.216	76.61	1.305	0.034	/
		Back Side	10	78	2480	-0.03	0.039	14.15	15.00	1.216	76.61	1.305	0.047	/
		Left Edge	10	78	2480	0.19	0.025	14.15	15.00	1.216	76.61	1.305	0.030	/
		Right Edge	10	78	2480	0.16	0.003	14.15	15.00	1.216	76.61	1.305	0.004	/
		Top Edge	10	78	2480	0.04	0.084	14.15	15.00	1.216	76.61	1.305	0.102	89#
		Bottom Edge	10	78	2480	-0.08	0.005	14.15	15.00	1.216	76.61	1.305	0.006	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.25 LTE Band 7 Worse case for CA Test

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head-CA															
Ant.4	State2&4	QPSK	Right Tilt	0	21100 +21298	2535 +2554.8	1+1	High +Low	0.12	0.560	15.63	16.50	1.222	0.684	/
	State2&4		Right Tilt	0	20850 +21048	2510 +2529.8	1+1	High +Low	-0.13	0.678	15.52	16.50	1.253	0.850	/
	State2&4		Right Tilt	0	21350 +21152	2560 +2540.2	1+1	Low +High	-0.02	0.701	15.40	16.50	1.288	0.903	/
Body-worn-CA															
Ant.3	State1&3	QPSK	Back Side	15	21100+ 21298	2535 +2554.8	1+1	High +Low	-0.02	0.178	18.77	19.00	1.054	0.188	/
Hotspot-CA															
Ant.3	State1&3	QPSK	Bottom Edge	10	21100+ 21298	2535 +2554.8	1+1	High +Low	0.11	0.488	18.77	19.00	1.054	0.514	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific-CA															
Ant.3	State1&3	QPSK	Bottom Edge	0	21100+ 21298	2535 +2554.8	1+1	High +Low	0.01	1.880	18.77	19.00	1.054	1.982	/
	State1&3		Bottom Edge	0	20850 +21048	2510 +2529.8	1+1	High +Low	0.03	1.620	18.65	19.00	1.084	1.756	/
	State1&3		Bottom Edge	0	21350 +21152	2560 +2540.2	1+1	Low +High	-0.16	1.770	18.73	19.00	1.064	1.883	/

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

11.26 LTE Band 38 Worse case for CA Test

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head-CA															
Ant.4	State2&4	QPSK	Right Tilt	0	38099+ 37901	2604.9 +2585.1	1+1	Low+ High	-0.04	0.314	15.79	17.50	1.483	0.466	/
Body-worn-CA															
Ant.3	State1&3&5	QPSK	Back Side	15	38150 +37952	2610 +2590.2	1+1	Low +High	0.01	0.239	21.88	22.00	1.028	0.246	/
Hotspot-CA															
Ant.3	State1&3&5	QPSK	Bottom Edge	10	38150 +37952	2610 +2590.2	1+1	Low +High	0.00	0.642	21.88	22.00	1.028	0.660	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.27 LTE Band 41 Worse case for CA Test

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head-CA															
Ant.4	State2&4	QPSK	Right Tilt	0	40620+ 40818	2593 +2612.8	1+1	High +Low	0.00	0.369	16.01	17.50	1.409	0.520	/
Body-worn-CA															
Ant.3	State1&3	QPSK	Back Side	15	40620 +40818	2593 +2612.8	2+1	High +Low	0.01	0.141	20.36	21.00	1.159	0.163	/
Hotspot-CA															
Ant.3	State1&3	QPSK	Bottom Edge	10	40620 +40818	2593 +2612.8	2+1	High +Low	0.03	0.445	20.36	21.00	1.159	0.516	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific-CA															
Ant.3	State1&3	QPSK	Bottom Edge	0	40620 +40818	2593 +2612.8	2+1	High +Low	0.16	1.110	20.36	21.00	1.159	1.286	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

12 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated ^{1st} Measured SAR (W/kg)	Largest to Smallest SAR Ratio
1745	LTE Band 4	Hotspot	Bottom Edge	0.823	Yes	0.807	1.02
2600	LTE Band 7	Specific	Bottom Edge	2.020	Yes	2.000	1.01
2412	WIFI 2.4GHz	Head	Left Cheek	1.030	Yes	1.016	1.01

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

13 SIMULTANEOUS TRANSMISSION

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

13.1 Simultaneous Transmission Mode Considerations

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot	Specific
1	WWAN + 2.4G WIFI	Yes	Yes	Yes	Yes
2	WWAN + 5G WIFI + 2.4G WIFI	Yes	Yes	Yes	Yes
3	WWAN + 5G WIFI + BT	Yes	Yes	Yes	Yes

Note:

- WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
- The maximum SAR summation is calculated based on the same configuration and test position.
- The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations is shown in this report.

13.2 Sum SAR of Simultaneous Transmission

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

Band	Antenna	Position	Stand alone SAR								SUM SAR					
			1	2	3	4	5	6	7	8	Sum SAR (1+2)	Sum SAR (1+4)	Sum SAR (1+3+8)	Sum SAR (1+5+8)	Sum SAR (1+6+8)	Sum SAR (1+7+8)
			WWAN	2.4G WIFI (Chain0)	2.4G WIFI (Chain1)	2.4G WIFI (MIMO)	5G WIFI (Chain0) MAX	5G WIFI (Chain1) MAX	5G WIFI (MIMO) MAX	Bluetooth						
			STATE4	LEVLE3	LEVLE3	LEVLE3	LEVLE3	LEVLE3	LEVLE3							
GSM850	ANT1	Left Cheek	0.162	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.708	0.937	0.636	1.173	0.997	1.175
	ANT1	Left Tilt	0.092	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.568	0.670	0.228	0.636	0.887	0.929
	ANT1	Right Cheek	0.416	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.735	0.734	0.775	0.968	0.962	0.968
	ANT1	Right Tilt	0.183	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.580	0.611	0.279	0.458	0.764	0.757
GSM850	ANT0	Left Cheek	0.180	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.726	0.955	0.654	1.191	1.015	1.193
	ANT0	Left Tilt	0.103	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.579	0.681	0.239	0.647	0.898	0.940
	ANT0	Right Cheek	0.166	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.485	0.484	0.525	0.718	0.712	0.718
	ANT0	Right Tilt	0.097	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.494	0.525	0.193	0.372	0.678	0.671
GSM1900	ANT4	Left Cheek	0.033	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.579	0.808	0.507	1.044	0.868	1.046
	ANT4	Left Tilt	0.023	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.499	0.601	0.159	0.567	0.818	0.860
	ANT4	Right Cheek	0.644	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.963	0.962	1.003	1.196	1.190	1.196
	ANT4	Right Tilt	0.911	0.397	0.006	0.428	0.185	0.491	0.484	0.090	1.308	1.339	1.007	1.186	1.492	1.485
GSM1900	ANT3	Left Cheek	0.109	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.655	0.884	0.583	1.120	0.944	1.122
	ANT3	Left Tilt	0.074	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.550	0.652	0.210	0.618	0.869	0.911
	ANT3	Right Cheek	0.103	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.422	0.421	0.462	0.655	0.649	0.655
	ANT3	Right Tilt	0.068	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.465	0.496	0.164	0.343	0.649	0.642
WCDMA B2	ANT4	Left Cheek	0.577	0.546	0.096	0.775	0.633	0.457	0.635	0.378	1.123	1.352	1.051	1.588	1.412	1.590
	ANT4	Left Tilt	0.710	0.476	0.006	0.578	0.414	0.665	0.707	0.130	1.186	1.288	0.846	1.254	1.505	1.547
	ANT4	Right Cheek	1.029	0.319	0.280	0.318	0.473	0.467	0.473	0.079	1.348	1.347	1.388	1.581	1.575	1.581
	ANT4	Right Tilt	0.749	0.397	0.006	0.428	0.185	0.491	0.484	0.090	1.146	1.177	0.845	1.024	1.330	1.323
WCDMA B2	ANT3	Left Cheek	0.079	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.625	0.854	0.553	1.090	0.914	1.092
	ANT3	Left Tilt	0.000	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.476	0.578	0.136	0.544	0.795	0.837
	ANT3	Right Cheek	0.087	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.406	0.405	0.446	0.639	0.633	0.639
	ANT3	Right Tilt	0.046	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.443	0.474	0.142	0.321	0.627	0.620
WCDMA B4	ANT4	Left Cheek	0.271	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.817	1.046	0.745	1.282	1.106	1.284
	ANT4	Left Tilt	0.358	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.834	0.936	0.494	0.902	1.153	1.195
	ANT4	Right Cheek	0.421	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.740	0.739	0.780	0.973	0.967	0.973
	ANT4	Right Tilt	0.501	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.898	0.929	0.597	0.776	1.082	1.075
WCDMA B4	ANT3	Left Cheek	0.132	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.678	0.907	0.606	1.143	0.967	1.145
	ANT3	Left Tilt	0.000	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.476	0.578	0.136	0.544	0.795	0.837
	ANT3	Right Cheek	0.140	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.459	0.458	0.499	0.692	0.686	0.692
	ANT3	Right Tilt	0.059	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.456	0.487	0.155	0.334	0.640	0.633
WCDMA B5	ANT4	Left Cheek	0.144	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.690	0.919	0.618	1.155	0.979	1.157

	ANT4	Left Tilt	0.081	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.557	0.659	0.217	0.625	0.876	0.918
	ANT4	Right Cheek	0.299	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.618	0.617	0.658	0.851	0.845	0.851
	ANT4	Right Tilt	0.160	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.557	0.588	0.256	0.435	0.741	0.734
WCDMA B5	ANT3	Left Cheek	0.122	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.668	0.897	0.596	1.133	0.957	1.135
	ANT3	Left Tilt	0.070	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.546	0.648	0.206	0.614	0.865	0.907
	ANT3	Right Cheek	0.089	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.408	0.407	0.448	0.641	0.635	0.641
	ANT3	Right Tilt	0.041	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.438	0.469	0.137	0.316	0.622	0.615
LTE B2	ANT4	Left Cheek	0.425	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.971	1.200	0.899	1.436	1.260	1.438
	ANT4	Left Tilt	0.474	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.950	1.052	0.610	1.018	1.269	1.311
	ANT4	Right Cheek	0.705	0.319	0.280	0.318	0.473	0.467	0.473	0.079	1.024	1.023	1.064	1.257	1.251	1.257
	ANT4	Right Tilt	0.747	0.397	0.006	0.428	0.185	0.491	0.484	0.090	1.144	1.175	0.843	1.022	1.328	1.321
LTE B2	ANT3	Left Cheek	0.080	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.626	0.855	0.554	1.091	0.915	1.093
	ANT3	Left Tilt	0.012	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.488	0.590	0.148	0.556	0.807	0.849
	ANT3	Right Cheek	0.074	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.393	0.392	0.433	0.626	0.620	0.626
	ANT3	Right Tilt	0.041	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.438	0.469	0.137	0.316	0.622	0.615
LTE B4	ANT4	Left Cheek	0.126	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.672	0.901	0.600	1.137	0.961	1.139
	ANT4	Left Tilt	0.163	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.639	0.741	0.299	0.707	0.958	1.000
	ANT4	Right Cheek	0.223	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.542	0.541	0.582	0.775	0.769	0.775
	ANT4	Right Tilt	0.228	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.625	0.656	0.324	0.503	0.809	0.802
LTE B4	ANT3	Left Cheek	0.113	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.659	0.888	0.587	1.124	0.948	1.126
	ANT3	Left Tilt	0.157	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.633	0.735	0.293	0.701	0.952	0.994
	ANT3	Right Cheek	0.178	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.497	0.496	0.537	0.730	0.724	0.730
	ANT3	Right Tilt	0.217	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.614	0.645	0.313	0.492	0.798	0.791
LTE B5	ANT1	Left Cheek	0.163	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.709	0.938	0.637	1.174	0.998	1.176
	ANT1	Left Tilt	0.094	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.570	0.672	0.230	0.638	0.889	0.931
	ANT1	Right Cheek	0.342	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.661	0.660	0.701	0.894	0.888	0.894
	ANT1	Right Tilt	0.179	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.576	0.607	0.275	0.454	0.760	0.753
LTE B5	ANT0	Left Cheek	0.144	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.690	0.919	0.618	1.155	0.979	1.157
	ANT0	Left Tilt	0.078	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.554	0.656	0.214	0.622	0.873	0.915
	ANT0	Right Cheek	0.099	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.418	0.417	0.458	0.651	0.645	0.651
	ANT0	Right Tilt	0.029	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.426	0.457	0.125	0.304	0.610	0.603
LTE B7	ANT4	Left Cheek	0.491	0.546	0.096	0.775	0.633	0.457	0.635	0.378	1.037	1.266	0.965	1.502	1.326	1.504
	ANT4	Left Tilt	0.538	0.476	0.006	0.578	0.414	0.665	0.707	0.130	1.014	1.116	0.674	1.082	1.333	1.375
	ANT4	Right Cheek	0.660	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.979	0.978	1.019	1.212	1.206	1.212
	ANT4	Right Tilt	1.007	0.397	0.006	0.428	0.185	0.491	0.484	0.090	1.404	1.435	1.103	1.282	1.588	1.581
LTE B7	ANT3	Left Cheek	0.201	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.747	0.976	0.675	1.212	1.036	1.214
	ANT3	Left Tilt	0.106	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.582	0.684	0.242	0.650	0.901	0.943
	ANT3	Right Cheek	0.216	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.535	0.534	0.575	0.768	0.762	0.768
	ANT3	Right Tilt	0.087	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.484	0.515	0.183	0.362	0.668	0.661
LTE B12	ANT1	Left Cheek	0.078	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.624	0.853	0.552	1.089	0.913	1.091
	ANT1	Left Tilt	0.041	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.517	0.619	0.177	0.585	0.836	0.878
	ANT1	Right Cheek	0.186	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.505	0.504	0.545	0.738	0.732	0.738
	ANT1	Right Tilt	0.071	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.468	0.499	0.167	0.346	0.652	0.645

LTE B12	ANT0	Left Cheek	0.099	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.645	0.874	0.573	1.110	0.934	1.112
	ANT0	Left Tilt	0.029	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.505	0.607	0.165	0.573	0.824	0.866
	ANT0	Right Cheek	0.077	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.396	0.395	0.436	0.629	0.623	0.629
	ANT0	Right Tilt	0.056	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.453	0.484	0.152	0.331	0.637	0.630
LTE B13	ANT1	Left Cheek	0.065	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.611	0.840	0.539	1.076	0.900	1.078
	ANT1	Left Tilt	0.040	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.516	0.618	0.176	0.584	0.835	0.877
	ANT1	Right Cheek	0.138	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.457	0.456	0.497	0.690	0.684	0.690
	ANT1	Right Tilt	0.060	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.457	0.488	0.156	0.335	0.641	0.634
LTE B13	ANT0	Left Cheek	0.062	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.608	0.837	0.536	1.073	0.897	1.075
	ANT0	Left Tilt	0.048	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.524	0.626	0.184	0.592	0.843	0.885
	ANT0	Right Cheek	0.074	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.393	0.392	0.433	0.626	0.620	0.626
	ANT0	Right Tilt	0.050	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.447	0.478	0.146	0.325	0.631	0.624
LTE B17	ANT1	Left Cheek	0.067	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.613	0.842	0.541	1.078	0.902	1.080
	ANT1	Left Tilt	0.032	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.508	0.610	0.168	0.576	0.827	0.869
	ANT1	Right Cheek	0.145	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.464	0.463	0.504	0.697	0.691	0.697
	ANT1	Right Tilt	0.077	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.474	0.505	0.173	0.352	0.658	0.651
LTE B17	ANT0	Left Cheek	0.095	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.641	0.870	0.569	1.106	0.930	1.108
	ANT0	Left Tilt	0.046	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.522	0.624	0.182	0.590	0.841	0.883
	ANT0	Right Cheek	0.079	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.398	0.397	0.438	0.631	0.625	0.631
	ANT0	Right Tilt	0.044	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.441	0.472	0.140	0.319	0.625	0.618
LTE B26	ANT1	Left Cheek	0.147	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.693	0.922	0.621	1.158	0.982	1.160
	ANT1	Left Tilt	0.085	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.561	0.663	0.221	0.629	0.880	0.922
	ANT1	Right Cheek	0.295	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.614	0.613	0.654	0.847	0.841	0.847
	ANT1	Right Tilt	0.156	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.553	0.584	0.252	0.431	0.737	0.730
LTE B26	ANT0	Left Cheek	0.140	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.686	0.915	0.614	1.151	0.975	1.153
	ANT0	Left Tilt	0.077	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.553	0.655	0.213	0.621	0.872	0.914
	ANT0	Right Cheek	0.104	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.423	0.422	0.463	0.656	0.650	0.656
	ANT0	Right Tilt	0.066	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.463	0.494	0.162	0.341	0.647	0.640
LTE B66	ANT4	Left Cheek	0.164	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.710	0.939	0.638	1.175	0.999	1.177
	ANT4	Left Tilt	0.198	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.674	0.776	0.334	0.742	0.993	1.035
	ANT4	Right Cheek	0.213	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.532	0.531	0.572	0.765	0.759	0.765
	ANT4	Right Tilt	0.239	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.636	0.667	0.335	0.514	0.820	0.813
LTE B66	ANT3	Left Cheek	0.165	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.711	0.940	0.639	1.176	1.000	1.178
	ANT3	Left Tilt	0.063	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.539	0.641	0.199	0.607	0.858	0.900
	ANT3	Right Cheek	0.145	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.464	0.463	0.504	0.697	0.691	0.697
	ANT3	Right Tilt	0.078	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.475	0.506	0.174	0.353	0.659	0.652
LTE B38	ANT4	Left Cheek	0.280	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.826	1.055	0.754	1.291	1.115	1.293
	ANT4	Left Tilt	0.365	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.841	0.943	0.501	0.909	1.160	1.202
	ANT4	Right Cheek	0.414	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.733	0.732	0.773	0.966	0.960	0.966
	ANT4	Right Tilt	0.567	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.964	0.995	0.663	0.842	1.148	1.141
LTE B38	ANT3	Left Cheek	0.136	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.682	0.911	0.610	1.147	0.971	1.149
	ANT3	Left Tilt	0.054	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.530	0.632	0.190	0.598	0.849	0.891
	ANT3	Right Cheek	0.106	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.425	0.424	0.465	0.658	0.652	0.658

	ANT3	Right Tilt	0.053	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.450	0.481	0.149	0.328	0.634	0.627
LTE B41	ANT4	Left Cheek	0.488	0.546	0.096	0.775	0.633	0.457	0.635	0.378	1.034	1.263	0.962	1.499	1.323	1.501
	ANT4	Left Tilt	0.594	0.476	0.006	0.578	0.414	0.665	0.707	0.130	1.070	1.172	0.730	1.138	1.389	1.431
	ANT4	Right Cheek	0.617	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.936	0.935	0.976	1.169	1.163	1.169
	ANT4	Right Tilt	0.676	0.397	0.006	0.428	0.185	0.491	0.484	0.090	1.073	1.104	0.772	0.951	1.257	1.250
LTE B41	ANT3	Left Cheek	0.122	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.668	0.897	0.596	1.133	0.957	1.135
	ANT3	Left Tilt	0.055	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.531	0.633	0.191	0.599	0.850	0.892
	ANT3	Right Cheek	0.094	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.413	0.412	0.453	0.646	0.640	0.646
	ANT3	Right Tilt	0.051	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.448	0.479	0.147	0.326	0.632	0.625
N5	ANT1	Left Cheek	0.193	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.739	0.968	0.667	1.204	1.028	1.206
	ANT1	Left Tilt	0.105	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.581	0.683	0.241	0.649	0.900	0.942
	ANT1	Right Cheek	0.329	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.648	0.647	0.688	0.881	0.875	0.881
	ANT1	Right Tilt	0.210	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.607	0.638	0.306	0.485	0.791	0.784
N5	ANT0	Left Cheek	0.092	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.638	0.867	0.566	1.103	0.927	1.105
	ANT0	Left Tilt	0.034	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.510	0.612	0.170	0.578	0.829	0.871
	ANT0	Right Cheek	0.067	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.386	0.385	0.426	0.619	0.613	0.619
	ANT0	Right Tilt	0.050	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.447	0.478	0.146	0.325	0.631	0.624
N7	ANT4	Left Cheek	0.358	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.904	1.133	0.832	1.369	1.193	1.371
	ANT4	Left Tilt	0.424	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.900	1.002	0.560	0.968	1.219	1.261
	ANT4	Right Cheek	0.499	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.818	0.817	0.858	1.051	1.045	1.051
	ANT4	Right Tilt	0.779	0.397	0.006	0.428	0.185	0.491	0.484	0.090	1.176	1.207	0.875	1.054	1.360	1.353
N7	ANT3	Left Cheek	0.058	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.604	0.833	0.532	1.069	0.893	1.071
	ANT3	Left Tilt	0.031	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.507	0.609	0.167	0.575	0.826	0.868
	ANT3	Right Cheek	0.134	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.453	0.452	0.493	0.686	0.680	0.686
	ANT3	Right Tilt	0.064	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.461	0.492	0.160	0.339	0.645	0.638
N38	ANT4	Left Cheek	0.557	0.546	0.096	0.775	0.633	0.457	0.635	0.378	1.103	1.332	1.031	1.568	1.392	1.570
	ANT4	Left Tilt	0.711	0.476	0.006	0.578	0.414	0.665	0.707	0.130	1.187	1.289	0.847	1.255	1.506	1.548
	ANT4	Right Cheek	0.731	0.319	0.280	0.318	0.473	0.467	0.473	0.079	1.050	1.049	1.090	1.283	1.277	1.283
	ANT4	Right Tilt	0.819	0.397	0.006	0.428	0.185	0.491	0.484	0.090	1.216	1.247	0.915	1.094	1.400	1.393
N38	ANT3	Left Cheek	0.040	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.586	0.815	0.514	1.051	0.875	1.053
	ANT3	Left Tilt	0.047	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.523	0.625	0.183	0.591	0.842	0.884
	ANT3	Right Cheek	0.057	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.376	0.375	0.416	0.609	0.603	0.609
	ANT3	Right Tilt	0.024	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.421	0.452	0.120	0.299	0.605	0.598
N41	ANT4	Left Cheek	0.239	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.785	1.014	0.713	1.250	1.074	1.252
	ANT4	Left Tilt	0.262	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.738	0.840	0.398	0.806	1.057	1.099
	ANT4	Right Cheek	0.349	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.668	0.667	0.708	0.901	0.895	0.901
	ANT4	Right Tilt	0.499	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.896	0.927	0.595	0.774	1.080	1.073
N41	ANT3	Left Cheek	0.047	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.593	0.822	0.521	1.058	0.882	1.060
	ANT3	Left Tilt	0.053	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.529	0.631	0.189	0.597	0.848	0.890
	ANT3	Right Cheek	0.084	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.403	0.402	0.443	0.636	0.630	0.636
	ANT3	Right Tilt	0.041	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.438	0.469	0.137	0.316	0.622	0.615
N66	ANT4	Left Cheek	0.134	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.680	0.909	0.608	1.145	0.969	1.147
	ANT4	Left Tilt	0.178	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.654	0.756	0.314	0.722	0.973	1.015

	ANT4	Right Cheek	0.217	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.536	0.535	0.576	0.769	0.763	0.769
	ANT4	Right Tilt	0.225	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.622	0.653	0.321	0.500	0.806	0.799
N66	ANT3	Left Cheek	0.098	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.644	0.873	0.572	1.109	0.933	1.111
	ANT3	Left Tilt	0.062	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.538	0.640	0.198	0.606	0.857	0.899
	ANT3	Right Cheek	0.147	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.466	0.465	0.506	0.699	0.693	0.699
	ANT3	Right Tilt	0.075	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.472	0.503	0.171	0.350	0.656	0.649

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.59 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

Band	Antenna	Position	Stand alone SAR					SUM SAR	
			1	2	3	4	5	Sum SAR (1+5)	Sum SAR (2+3+4)
			WWAN	WWAN	2.4G WIFI (Chain0)	5G WIFI (Chain1 MAX)	Bluetooth		
STATE2	STATE6	LEVEL4	LEVEL4						
GSM850	ANT1	Left Cheek	0.162	0.162	0.351	0.163	0.378	0.540	0.676
	ANT1	Left Tilt	0.092	0.092	0.316	0.272	0.130	0.222	0.680
	ANT1	Right Cheek	0.416	0.416	0.210	0.180	0.079	0.495	0.806
	ANT1	Right Tilt	0.183	0.183	0.276	0.192	0.090	0.273	0.651
GSM850	ANT0	Left Cheek	0.180	0.180	0.351	0.163	0.378	0.558	0.694
	ANT0	Left Tilt	0.103	0.103	0.316	0.272	0.130	0.233	0.691
	ANT0	Right Cheek	0.166	0.166	0.210	0.180	0.079	0.245	0.556
	ANT0	Right Tilt	0.097	0.097	0.276	0.192	0.090	0.187	0.565
GSM1900	ANT4	Left Cheek	0.033	0.026	0.351	0.163	0.378	0.411	0.540
	ANT4	Left Tilt	0.023	0.018	0.316	0.272	0.130	0.153	0.606
	ANT4	Right Cheek	0.644	0.507	0.210	0.180	0.079	0.723	0.897
	ANT4	Right Tilt	0.911	0.676	0.276	0.192	0.090	1.001	1.144
GSM1900	ANT3	Left Cheek	0.109	0.109	0.351	0.163	0.378	0.487	0.623
	ANT3	Left Tilt	0.074	0.074	0.316	0.272	0.130	0.204	0.662
	ANT3	Right Cheek	0.103	0.103	0.210	0.180	0.079	0.182	0.493
	ANT3	Right Tilt	0.068	0.068	0.276	0.192	0.090	0.158	0.536
WCDMA B2	ANT4	Left Cheek	0.577	0.487	0.351	0.163	0.378	0.955	1.001
	ANT4	Left Tilt	0.710	0.545	0.316	0.272	0.130	0.840	1.133
	ANT4	Right Cheek	1.029	0.771	0.210	0.180	0.079	1.108	1.161
	ANT4	Right Tilt	0.749	0.571	0.276	0.192	0.090	0.839	1.039
WCDMA B2	ANT3	Left Cheek	0.079	0.079	0.351	0.163	0.378	0.457	0.593
	ANT3	Left Tilt	0.000	0.000	0.316	0.272	0.130	0.130	0.588
	ANT3	Right Cheek	0.087	0.087	0.210	0.180	0.079	0.166	0.477
	ANT3	Right Tilt	0.046	0.046	0.276	0.192	0.090	0.136	0.514
WCDMA B4	ANT4	Left Cheek	0.271	0.216	0.351	0.163	0.378	0.649	0.730
	ANT4	Left Tilt	0.358	0.286	0.316	0.272	0.130	0.488	0.874
	ANT4	Right Cheek	0.421	0.336	0.210	0.180	0.079	0.500	0.726
	ANT4	Right Tilt	0.501	0.347	0.276	0.192	0.090	0.591	0.815
WCDMA B4	ANT3	Left Cheek	0.132	0.132	0.351	0.163	0.378	0.510	0.646
	ANT3	Left Tilt	0.000	0.000	0.316	0.272	0.130	0.130	0.588
	ANT3	Right Cheek	0.140	0.140	0.210	0.180	0.079	0.219	0.530
	ANT3	Right Tilt	0.059	0.059	0.276	0.192	0.090	0.149	0.527
WCDMA B5	ANT4	Left Cheek	0.144	0.144	0.351	0.163	0.378	0.522	0.658
	ANT4	Left Tilt	0.081	0.081	0.316	0.272	0.130	0.211	0.669
	ANT4	Right Cheek	0.299	0.299	0.210	0.180	0.079	0.378	0.689
	ANT4	Right Tilt	0.160	0.160	0.276	0.192	0.090	0.250	0.628

WCDMA B5	ANT3	Left Cheek	0.122	0.122	0.351	0.163	0.378	0.500	0.636
	ANT3	Left Tilt	0.070	0.070	0.316	0.272	0.130	0.200	0.658
	ANT3	Right Cheek	0.089	0.089	0.210	0.180	0.079	0.168	0.479
	ANT3	Right Tilt	0.041	0.041	0.276	0.192	0.090	0.131	0.509
LTE B2	ANT4	Left Cheek	0.425	0.425	0.351	0.163	0.378	0.803	0.939
	ANT4	Left Tilt	0.474	0.474	0.316	0.272	0.130	0.604	1.062
	ANT4	Right Cheek	0.705	0.705	0.210	0.180	0.079	0.784	1.095
	ANT4	Right Tilt	0.747	0.747	0.276	0.192	0.090	0.837	1.215
LTE B2	ANT3	Left Cheek	0.080	0.080	0.351	0.163	0.378	0.458	0.594
	ANT3	Left Tilt	0.012	0.012	0.316	0.272	0.130	0.142	0.600
	ANT3	Right Cheek	0.074	0.074	0.210	0.180	0.079	0.153	0.464
	ANT3	Right Tilt	0.041	0.041	0.276	0.192	0.090	0.131	0.509
LTE B4	ANT4	Left Cheek	0.126	0.126	0.351	0.163	0.378	0.504	0.640
	ANT4	Left Tilt	0.163	0.163	0.316	0.272	0.130	0.293	0.751
	ANT4	Right Cheek	0.223	0.223	0.210	0.180	0.079	0.302	0.613
	ANT4	Right Tilt	0.228	0.228	0.276	0.192	0.090	0.318	0.696
LTE B4	ANT3	Left Cheek	0.113	0.113	0.351	0.163	0.378	0.491	0.627
	ANT3	Left Tilt	0.157	0.157	0.316	0.272	0.130	0.287	0.745
	ANT3	Right Cheek	0.178	0.178	0.210	0.180	0.079	0.257	0.568
	ANT3	Right Tilt	0.217	0.217	0.276	0.192	0.090	0.307	0.685
LTE B5	ANT1	Left Cheek	0.163	0.163	0.351	0.163	0.378	0.541	0.677
	ANT1	Left Tilt	0.094	0.094	0.316	0.272	0.130	0.224	0.682
	ANT1	Right Cheek	0.342	0.342	0.210	0.180	0.079	0.421	0.732
	ANT1	Right Tilt	0.179	0.179	0.276	0.192	0.090	0.269	0.647
LTE B5	ANT0	Left Cheek	0.144	0.144	0.351	0.163	0.378	0.522	0.658
	ANT0	Left Tilt	0.078	0.078	0.316	0.272	0.130	0.208	0.666
	ANT0	Right Cheek	0.099	0.099	0.210	0.180	0.079	0.178	0.489
	ANT0	Right Tilt	0.029	0.029	0.276	0.192	0.090	0.119	0.497
LTE B7	ANT4	Left Cheek	0.491	0.491	0.351	0.163	0.378	0.869	1.005
	ANT4	Left Tilt	0.538	0.538	0.316	0.272	0.130	0.668	1.126
	ANT4	Right Cheek	0.660	0.660	0.210	0.180	0.079	0.739	1.050
	ANT4	Right Tilt	1.007	1.007	0.276	0.192	0.090	1.097	1.475
LTE B7	ANT3	Left Cheek	0.201	0.201	0.351	0.163	0.378	0.579	0.715
	ANT3	Left Tilt	0.106	0.106	0.316	0.272	0.130	0.236	0.694
	ANT3	Right Cheek	0.216	0.216	0.210	0.180	0.079	0.295	0.606
	ANT3	Right Tilt	0.087	0.087	0.276	0.192	0.090	0.177	0.555
LTE B12	ANT1	Left Cheek	0.078	0.078	0.351	0.163	0.378	0.456	0.592
	ANT1	Left Tilt	0.041	0.041	0.316	0.272	0.130	0.171	0.629
	ANT1	Right Cheek	0.186	0.186	0.210	0.180	0.079	0.265	0.576
	ANT1	Right Tilt	0.071	0.071	0.276	0.192	0.090	0.161	0.539
LTE B12	ANT0	Left Cheek	0.099	0.099	0.351	0.163	0.378	0.477	0.613
	ANT0	Left Tilt	0.029	0.029	0.316	0.272	0.130	0.159	0.617
	ANT0	Right Cheek	0.077	0.077	0.210	0.180	0.079	0.156	0.467

	ANT0	Right Tilt	0.056	0.056	0.276	0.192	0.090	0.146	0.524
LTE B13	ANT1	Left Cheek	0.065	0.069	0.351	0.163	0.378	0.443	0.583
	ANT1	Left Tilt	0.040	0.042	0.316	0.272	0.130	0.170	0.630
	ANT1	Right Cheek	0.138	0.145	0.210	0.180	0.079	0.217	0.535
	ANT1	Right Tilt	0.060	0.063	0.276	0.192	0.090	0.150	0.531
LTE B13	ANT0	Left Cheek	0.062	0.062	0.351	0.163	0.378	0.440	0.576
	ANT0	Left Tilt	0.048	0.047	0.316	0.272	0.130	0.178	0.635
	ANT0	Right Cheek	0.074	0.074	0.210	0.180	0.079	0.153	0.464
	ANT0	Right Tilt	0.050	0.050	0.276	0.192	0.090	0.140	0.518
LTE B17	ANT1	Left Cheek	0.067	0.067	0.351	0.163	0.378	0.445	0.581
	ANT1	Left Tilt	0.032	0.032	0.316	0.272	0.130	0.162	0.620
	ANT1	Right Cheek	0.145	0.145	0.210	0.180	0.079	0.224	0.535
	ANT1	Right Tilt	0.077	0.077	0.276	0.192	0.090	0.167	0.545
LTE B17	ANT0	Left Cheek	0.095	0.095	0.351	0.163	0.378	0.473	0.609
	ANT0	Left Tilt	0.046	0.046	0.316	0.272	0.130	0.176	0.634
	ANT0	Right Cheek	0.079	0.079	0.210	0.180	0.079	0.158	0.469
	ANT0	Right Tilt	0.044	0.044	0.276	0.192	0.090	0.134	0.512
LTE B26	ANT1	Left Cheek	0.147	0.147	0.351	0.163	0.378	0.525	0.661
	ANT1	Left Tilt	0.085	0.085	0.316	0.272	0.130	0.215	0.673
	ANT1	Right Cheek	0.295	0.295	0.210	0.180	0.079	0.374	0.685
	ANT1	Right Tilt	0.156	0.156	0.276	0.192	0.090	0.246	0.624
LTE B26	ANT0	Left Cheek	0.140	0.140	0.351	0.163	0.378	0.518	0.654
	ANT0	Left Tilt	0.077	0.077	0.316	0.272	0.130	0.207	0.665
	ANT0	Right Cheek	0.104	0.104	0.210	0.180	0.079	0.183	0.494
	ANT0	Right Tilt	0.066	0.066	0.276	0.192	0.090	0.156	0.534
LTE B66	ANT4	Left Cheek	0.164	0.118	0.351	0.163	0.378	0.542	0.632
	ANT4	Left Tilt	0.198	0.148	0.316	0.272	0.130	0.328	0.736
	ANT4	Right Cheek	0.213	0.178	0.210	0.180	0.079	0.292	0.568
	ANT4	Right Tilt	0.239	0.196	0.276	0.192	0.090	0.329	0.664
LTE B66	ANT3	Left Cheek	0.165	0.165	0.351	0.163	0.378	0.543	0.679
	ANT3	Left Tilt	0.063	0.063	0.316	0.272	0.130	0.193	0.651
	ANT3	Right Cheek	0.145	0.145	0.210	0.180	0.079	0.224	0.535
	ANT3	Right Tilt	0.078	0.078	0.276	0.192	0.090	0.168	0.546
LTE B38	ANT4	Left Cheek	0.280	0.176	0.351	0.163	0.378	0.658	0.690
	ANT4	Left Tilt	0.365	0.250	0.316	0.272	0.130	0.495	0.838
	ANT4	Right Cheek	0.414	0.277	0.210	0.180	0.079	0.493	0.667
	ANT4	Right Tilt	0.567	0.354	0.276	0.192	0.090	0.657	0.822
LTE B38	ANT3	Left Cheek	0.136	0.136	0.351	0.163	0.378	0.514	0.650
	ANT3	Left Tilt	0.054	0.054	0.316	0.272	0.130	0.184	0.642
	ANT3	Right Cheek	0.106	0.106	0.210	0.180	0.079	0.185	0.496
	ANT3	Right Tilt	0.053	0.053	0.276	0.192	0.090	0.143	0.521
LTE B41	ANT4	Left Cheek	0.488	0.363	0.351	0.163	0.378	0.866	0.877
	ANT4	Left Tilt	0.594	0.449	0.316	0.272	0.130	0.724	1.037

	ANT4	Right Cheek	0.617	0.460	0.210	0.180	0.079	0.696	0.850
	ANT4	Right Tilt	0.676	0.516	0.276	0.192	0.090	0.766	0.984
LTE B41	ANT3	Left Cheek	0.122	0.122	0.351	0.163	0.378	0.500	0.636
	ANT3	Left Tilt	0.055	0.055	0.316	0.272	0.130	0.185	0.643
	ANT3	Right Cheek	0.094	0.094	0.210	0.180	0.079	0.173	0.484
	ANT3	Right Tilt	0.051	0.051	0.276	0.192	0.090	0.141	0.519
N5	ANT1	Left Cheek	0.193	0.193	0.351	0.163	0.378	0.571	0.707
	ANT1	Left Tilt	0.105	0.105	0.316	0.272	0.130	0.235	0.693
	ANT1	Right Cheek	0.329	0.329	0.210	0.180	0.079	0.408	0.719
	ANT1	Right Tilt	0.210	0.210	0.276	0.192	0.090	0.300	0.678
N5	ANT0	Left Cheek	0.092	0.092	0.351	0.163	0.378	0.470	0.606
	ANT0	Left Tilt	0.034	0.034	0.316	0.272	0.130	0.164	0.622
	ANT0	Right Cheek	0.067	0.067	0.210	0.180	0.079	0.146	0.457
	ANT0	Right Tilt	0.050	0.050	0.276	0.192	0.090	0.140	0.518
N7	ANT4	Left Cheek	0.358	0.358	0.351	0.163	0.378	0.736	0.872
	ANT4	Left Tilt	0.424	0.424	0.316	0.272	0.130	0.554	1.012
	ANT4	Right Cheek	0.499	0.499	0.210	0.180	0.079	0.578	0.889
	ANT4	Right Tilt	0.779	0.779	0.276	0.192	0.090	0.869	1.247
N7	ANT3	Left Cheek	0.058	0.058	0.351	0.163	0.378	0.436	0.572
	ANT3	Left Tilt	0.031	0.031	0.316	0.272	0.130	0.161	0.619
	ANT3	Right Cheek	0.134	0.134	0.210	0.180	0.079	0.213	0.524
	ANT3	Right Tilt	0.064	0.064	0.276	0.192	0.090	0.154	0.532
N38	ANT4	Left Cheek	0.557	0.557	0.351	0.163	0.378	0.935	1.071
	ANT4	Left Tilt	0.711	0.711	0.316	0.272	0.130	0.841	1.299
	ANT4	Right Cheek	0.731	0.731	0.210	0.180	0.079	0.810	1.121
	ANT4	Right Tilt	0.819	0.819	0.276	0.192	0.090	0.909	1.287
N38	ANT3	Left Cheek	0.040	0.040	0.351	0.163	0.378	0.418	0.554
	ANT3	Left Tilt	0.047	0.047	0.316	0.272	0.130	0.177	0.635
	ANT3	Right Cheek	0.057	0.057	0.210	0.180	0.079	0.136	0.447
	ANT3	Right Tilt	0.024	0.024	0.276	0.192	0.090	0.114	0.492
N41	ANT4	Left Cheek	0.239	0.239	0.351	0.163	0.378	0.617	0.753
	ANT4	Left Tilt	0.262	0.262	0.316	0.272	0.130	0.392	0.850
	ANT4	Right Cheek	0.349	0.349	0.210	0.180	0.079	0.428	0.739
	ANT4	Right Tilt	0.499	0.499	0.276	0.192	0.090	0.589	0.967
N41	ANT3	Left Cheek	0.047	0.047	0.351	0.163	0.378	0.425	0.561
	ANT3	Left Tilt	0.053	0.053	0.316	0.272	0.130	0.183	0.641
	ANT3	Right Cheek	0.084	0.084	0.210	0.180	0.079	0.163	0.474
	ANT3	Right Tilt	0.041	0.041	0.276	0.192	0.090	0.131	0.509
N66	ANT4	Left Cheek	0.134	0.098	0.351	0.163	0.378	0.512	0.612
	ANT4	Left Tilt	0.178	0.146	0.316	0.272	0.130	0.308	0.734
	ANT4	Right Cheek	0.217	0.189	0.210	0.180	0.079	0.296	0.579
	ANT4	Right Tilt	0.225	0.197	0.276	0.192	0.090	0.315	0.665
N66	ANT3	Left Cheek	0.098	0.098	0.351	0.163	0.378	0.476	0.612

	ANT3	Left Tilt	0.062	0.062	0.316	0.272	0.130	0.192	0.650
	ANT3	Right Cheek	0.147	0.147	0.210	0.180	0.079	0.226	0.537
	ANT3	Right Tilt	0.075	0.075	0.276	0.192	0.090	0.165	0.543

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.475 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

Band	Antenna	Band	Antenna	Position	Stand alone SAR		
					1	2	3
					LTE	NR	ENDC
LTE B7	ANT4	N5	ANT1	Left Cheek	0.365	0.159	0.524
				Left Tilt	0.332	0.107	0.439
				Right Cheek	0.524	0.280	0.804
				Right Tilt	0.617	0.175	0.792
LTE B7	ANT3	N5	ANT0	Left Cheek	0.201	0.092	0.293
				Left Tilt	0.106	0.034	0.140
				Right Cheek	0.216	0.067	0.283
				Right Tilt	0.087	0.050	0.137
LTE B66	ANT4	N5	ANT1	Left Cheek	0.044	0.159	0.203
				Left Tilt	0.052	0.107	0.159
				Right Cheek	0.089	0.280	0.369
				Right Tilt	0.094	0.175	0.269
LTE B66	ANT3	N5	ANT0	Left Cheek	0.165	0.092	0.257
				Left Tilt	0.063	0.034	0.097
				Right Cheek	0.145	0.067	0.212
				Right Tilt	0.078	0.050	0.128
LTE B66	ANT4	N7	ANT3	Left Cheek	0.060	0.058	0.118
				Left Tilt	0.071	0.031	0.102
				Right Cheek	0.100	0.134	0.234
				Right Tilt	0.101	0.064	0.165
LTE B66	ANT1	N7	ANT1	Left Cheek	0.240	0.135	0.375
				Left Tilt	0.163	0.060	0.223
				Right Cheek	0.732	0.302	1.034
				Right Tilt	0.190	0.110	0.300
LTE B26	ANT1	N41	ANT4	Left Cheek	0.147	0.239	0.386
				Left Tilt	0.085	0.262	0.347
				Right Cheek	0.295	0.349	0.644
				Right Tilt	0.156	0.499	0.655
LTE B26	ANT0	N41	ANT3	Left Cheek	0.140	0.047	0.187
				Left Tilt	0.077	0.053	0.130
				Right Cheek	0.104	0.084	0.188
				Right Tilt	0.066	0.041	0.107
LTE B2	ANT4	N66	ANT3	Left Cheek	0.472	0.098	0.570
				Left Tilt	0.521	0.062	0.583
				Right Cheek	0.739	0.147	0.886
				Right Tilt	0.715	0.075	0.790
LTE B7	ANT4	N66	ANT3	Left Cheek	0.365	0.098	0.463
				Left Tilt	0.332	0.062	0.394

				Right Cheek	0.524	0.147	0.671
				Right Tilt	0.617	0.075	0.692
LTE B7	ANT1	N66	ANT1	Left Cheek	0.082	0.299	0.381
LTE B7	ANT1	N66	ANT1	Left Tilt	0.033	0.172	0.205
LTE B7	ANT1	N66	ANT1	Right Cheek	0.198	0.774	0.972
LTE B7	ANT1	N66	ANT1	Right Tilt	0.071	0.200	0.271
LTE B5	ANT0	N7	ANT3	Left Cheek	0.144	0.058	0.202
LTE B5	ANT0	N7	ANT3	Left Tilt	0.078	0.031	0.109
LTE B5	ANT0	N7	ANT3	Right Cheek	0.099	0.134	0.233
LTE B5	ANT0	N7	ANT3	Right Tilt	0.029	0.064	0.093
LTE B5	ANT1	N7	ANT4	Left Cheek	0.163	0.358	0.521
LTE B5	ANT1	N7	ANT4	Left Tilt	0.094	0.379	0.473
LTE B5	ANT1	N7	ANT4	Right Cheek	0.342	0.499	0.841
LTE B5	ANT1	N7	ANT4	Right Tilt	0.179	0.779	0.958
LTE B5	ANT0	N66	ANT3	Left Cheek	0.144	0.098	0.242
LTE B5	ANT0	N66	ANT3	Left Tilt	0.078	0.062	0.140
LTE B5	ANT0	N66	ANT3	Right Cheek	0.099	0.147	0.246
LTE B5	ANT0	N66	ANT3	Right Tilt	0.029	0.075	0.104
LTE B5	ANT1	N66	ANT4	Left Cheek	0.163	0.096	0.259
LTE B5	ANT1	N66	ANT4	Left Tilt	0.094	0.143	0.237
LTE B5	ANT1	N66	ANT4	Right Cheek	0.342	0.185	0.527
LTE B5	ANT1	N66	ANT4	Right Tilt	0.179	0.192	0.371

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.034 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

Band	Antenna	Band	Antenna	Position	Stand alone SAR										Sum SAR					
					1	2	3	4	5	6	7	8	9	10	Sum SAR	Sum SAR	Sum SAR	Sum SAR	Sum SAR	Sum SAR
					LTE	NR	ENDC	2.4G WIFI (Chain 0)	2.4G WIFI (Chain 1)	2.4G WIFI (MIMO)	5G WIFI (Chain 0 MAX)	5G WIFI (Chain 1 MAX)	5G WIFI (MIMO MAX)	Blueto oth	(3+4)	(3+6)	(3+5+1 0)	(3+7+1 0)	(3+8+1 0)	(3+9+1 0)
LTE B7	ANT4	N5	ANT1	Left Cheek	0.365	0.159	0.524	0.546	0.096	0.775	0.633	0.457	0.635	0.378	1.070	1.299	0.998	1.535	1.359	1.537
				Left Tilt	0.332	0.107	0.439	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.915	1.017	0.575	0.983	1.234	1.276
				Right Cheek	0.524	0.280	0.804	0.319	0.280	0.318	0.473	0.467	0.473	0.079	1.123	1.122	1.163	1.356	1.350	1.356
				Right Tilt	0.617	0.175	0.792	0.397	0.006	0.428	0.185	0.491	0.484	0.090	1.189	1.220	0.888	1.067	1.373	1.366
LTE B7	ANT3	N5	ANT0	Left Cheek	0.201	0.092	0.293	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.839	1.068	0.767	1.304	1.128	1.306
				Left Tilt	0.106	0.034	0.140	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.616	0.718	0.276	0.684	0.935	0.977
				Right Cheek	0.216	0.067	0.283	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.602	0.601	0.642	0.835	0.829	0.835
				Right Tilt	0.087	0.050	0.137	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.534	0.565	0.233	0.412	0.718	0.711
LTE B66	ANT4	N5	ANT1	Left Cheek	0.044	0.159	0.203	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.749	0.978	0.677	1.214	1.038	1.216
				Left Tilt	0.052	0.107	0.159	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.635	0.737	0.295	0.703	0.954	0.996
				Right Cheek	0.089	0.280	0.369	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.688	0.687	0.728	0.921	0.915	0.921
				Right Tilt	0.094	0.175	0.269	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.666	0.697	0.365	0.544	0.850	0.843
LTE B66	ANT3	N5	ANT0	Left Cheek	0.165	0.092	0.257	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.803	1.032	0.731	1.268	1.092	1.270
				Left Tilt	0.063	0.034	0.097	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.573	0.675	0.233	0.641	0.892	0.934
				Right Cheek	0.145	0.067	0.212	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.531	0.530	0.571	0.764	0.758	0.764
				Right Tilt	0.078	0.050	0.128	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.525	0.556	0.224	0.403	0.709	0.702
LTE B66	ANT4	N7	ANT3	Left Cheek	0.060	0.058	0.118	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.664	0.893	0.592	1.129	0.953	1.131
				Left Tilt	0.071	0.031	0.102	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.578	0.680	0.238	0.646	0.897	0.939
				Right Cheek	0.100	0.134	0.234	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.553	0.552	0.593	0.786	0.780	0.786
				Right Tilt	0.101	0.064	0.165	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.562	0.593	0.261	0.440	0.746	0.739
LTE B66	ANT1	N7	ANT1	Left Cheek	0.240	0.135	0.375	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.921	1.150	0.849	1.386	1.210	1.388
				Left Tilt	0.163	0.060	0.223	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.699	0.801	0.359	0.767	1.018	1.060
				Right Cheek	0.732	0.302	1.034	0.319	0.280	0.318	0.473	0.467	0.473	0.079	1.353	1.352	1.393	1.586	1.580	1.586
				Right Tilt	0.190	0.110	0.300	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.697	0.728	0.396	0.575	0.881	0.874
LTE B26	ANT1	N41	ANT4	Left Cheek	0.147	0.239	0.386	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.932	1.161	0.860	1.397	1.221	1.399
				Left Tilt	0.085	0.262	0.347	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.823	0.925	0.483	0.891	1.142	1.184
				Right Cheek	0.295	0.349	0.644	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.963	0.962	1.003	1.196	1.190	1.196
				Right Tilt	0.156	0.499	0.655	0.397	0.006	0.428	0.185	0.491	0.484	0.090	1.052	1.083	0.751	0.930	1.236	1.229
LTE B26	ANT0	N41	ANT3	Left Cheek	0.140	0.047	0.187	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.733	0.962	0.661	1.198	1.022	1.200
				Left Tilt	0.077	0.053	0.130	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.606	0.708	0.266	0.674	0.925	0.967
				Right Cheek	0.104	0.084	0.188	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.507	0.506	0.547	0.740	0.734	0.740
				Right Tilt	0.066	0.041	0.107	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.504	0.535	0.203	0.382	0.688	0.681
LTE B2	ANT4	N66	ANT3	Left Cheek	0.472	0.098	0.570	0.546	0.096	0.775	0.633	0.457	0.635	0.378	1.116	1.345	1.044	1.581	1.405	1.583
				Left Tilt	0.521	0.062	0.583	0.476	0.006	0.578	0.414	0.665	0.707	0.130	1.059	1.161	0.719	1.127	1.378	1.420

				Right Cheek	0.739	0.147	0.886	0.319	0.280	0.318	0.473	0.467	0.473	0.079	1.205	1.204	1.245	1.438	1.432	1.438
				Right Tilt	0.715	0.075	0.790	0.397	0.006	0.428	0.185	0.491	0.484	0.090	1.187	1.218	0.886	1.065	1.371	1.364
LTE B7	ANT4	N66	ANT3	Left Cheek	0.365	0.098	0.463	0.546	0.096	0.775	0.633	0.457	0.635	0.378	1.009	1.238	0.937	1.474	1.298	1.476
				Left Tilt	0.332	0.062	0.394	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.870	0.972	0.530	0.938	1.189	1.231
				Right Cheek	0.524	0.147	0.671	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.990	0.989	1.030	1.223	1.217	1.223
				Right Tilt	0.617	0.075	0.692	0.397	0.006	0.428	0.185	0.491	0.484	0.090	1.089	1.120	0.788	0.967	1.273	1.266
LTE B7	ANT1	N66	ANT1	Left Cheek	0.082	0.299	0.381	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.927	1.156	0.855	1.392	1.216	1.394
				Left Tilt	0.033	0.172	0.205	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.681	0.783	0.341	0.749	1.000	1.042
				Right Cheek	0.198	0.774	0.972	0.319	0.280	0.318	0.473	0.467	0.473	0.079	1.291	1.290	1.331	1.524	1.518	1.524
				Right Tilt	0.071	0.200	0.271	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.668	0.699	0.367	0.546	0.852	0.845
LTE B5	ANT0	N7	ANT3	Left Cheek	0.144	0.058	0.202	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.748	0.977	0.676	1.213	1.037	1.215
				Left Tilt	0.078	0.031	0.109	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.585	0.687	0.245	0.653	0.904	0.946
				Right Cheek	0.099	0.134	0.233	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.552	0.551	0.592	0.785	0.779	0.785
				Right Tilt	0.029	0.064	0.093	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.490	0.521	0.189	0.368	0.674	0.667
LTE B5	ANT1	N7	ANT4	Left Cheek	0.163	0.369	0.532	0.546	0.096	0.775	0.633	0.457	0.635	0.378	1.078	1.307	1.006	1.543	1.367	1.545
				Left Tilt	0.094	0.424	0.518	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.994	1.096	0.654	1.062	1.313	1.355
				Right Cheek	0.342	0.515	0.857	0.319	0.280	0.318	0.473	0.467	0.473	0.079	1.176	1.175	1.216	1.409	1.403	1.409
				Right Tilt	0.179	0.613	0.792	0.397	0.006	0.428	0.185	0.491	0.484	0.090	1.189	1.220	0.888	1.067	1.373	1.366
LTE B5	ANT0	N66	ANT3	Left Cheek	0.144	0.098	0.242	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.788	1.017	0.716	1.253	1.077	1.255
				Left Tilt	0.078	0.062	0.140	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.616	0.718	0.276	0.684	0.935	0.977
				Right Cheek	0.099	0.147	0.246	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.565	0.564	0.605	0.798	0.792	0.798
				Right Tilt	0.029	0.075	0.104	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.501	0.532	0.200	0.379	0.685	0.678
LTE B5	ANT1	N66	ANT4	Left Cheek	0.163	0.098	0.261	0.546	0.096	0.775	0.633	0.457	0.635	0.378	0.807	1.036	0.735	1.272	1.096	1.274
				Left Tilt	0.094	0.146	0.240	0.476	0.006	0.578	0.414	0.665	0.707	0.130	0.716	0.818	0.376	0.784	1.035	1.077
				Right Cheek	0.342	0.189	0.531	0.319	0.280	0.318	0.473	0.467	0.473	0.079	0.850	0.849	0.890	1.083	1.077	1.083
				Right Tilt	0.179	0.197	0.376	0.397	0.006	0.428	0.185	0.491	0.484	0.090	0.773	0.804	0.472	0.651	0.957	0.950

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.586 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

Band	Antenna	Band	Antenna	Position	Stand alone SAR								Sum SAR
					1	2	3	4	5.3G	5.6G	5.8G	5	Sum SAR (3+4+5)
					LTE	NR	ENDC	2.4G WIFI (Chain0)				5G WIFI (Chain1 MAX)	
LTE B7	ANT4	N5	ANT1	Left Cheek	0.365	0.159	0.524	0.351	0.099	0.163	0.141	0.163	1.038
				Left Tilt	0.332	0.107	0.439	0.316	0.082	0.202	0.272	0.272	1.027
				Right Cheek	0.524	0.280	0.804	0.210	0.105	0.156	0.180	0.180	1.194
				Right Tilt	0.617	0.175	0.792	0.276	0.117	0.177	0.192	0.192	1.260
LTE B7	ANT3	N5	ANT0	Left Cheek	0.201	0.092	0.293	0.351	0.099	0.163	0.141	0.163	0.807
				Left Tilt	0.106	0.034	0.140	0.316	0.082	0.202	0.272	0.272	0.728
				Right Cheek	0.216	0.067	0.283	0.210	0.105	0.156	0.180	0.180	0.673
				Right Tilt	0.087	0.050	0.137	0.276	0.117	0.177	0.192	0.192	0.605
LTE B66	ANT4	N5	ANT1	Left Cheek	0.044	0.159	0.203	0.351	0.099	0.163	0.141	0.163	0.717
				Left Tilt	0.052	0.107	0.159	0.316	0.082	0.202	0.272	0.272	0.747
				Right Cheek	0.089	0.280	0.369	0.210	0.105	0.156	0.180	0.180	0.759
				Right Tilt	0.094	0.175	0.269	0.276	0.117	0.177	0.192	0.192	0.737
LTE B66	ANT3	N5	ANT0	Left Cheek	0.165	0.092	0.257	0.351	0.099	0.163	0.141	0.163	0.771
				Left Tilt	0.063	0.034	0.097	0.316	0.082	0.202	0.272	0.272	0.685
				Right Cheek	0.145	0.067	0.212	0.210	0.105	0.156	0.180	0.180	0.602
				Right Tilt	0.078	0.050	0.128	0.276	0.117	0.177	0.192	0.192	0.596
LTE B5	ANT0	N7	ANT3	Left Cheek	0.144	0.058	0.202	0.351	0.099	0.163	0.141	0.163	0.716
				Left Tilt	0.078	0.031	0.109	0.316	0.082	0.202	0.272	0.272	0.697
				Right Cheek	0.099	0.134	0.233	0.210	0.105	0.156	0.180	0.180	0.623
				Right Tilt	0.029	0.064	0.093	0.276	0.117	0.177	0.192	0.192	0.561
LTE B5	ANT1	N7	ANT4	Left Cheek	0.163	0.287	0.450	0.351	0.099	0.163	0.141	0.163	0.964
				Left Tilt	0.094	0.340	0.434	0.316	0.082	0.202	0.272	0.272	1.022
				Right Cheek	0.342	0.400	0.742	0.210	0.105	0.156	0.180	0.180	1.132
				Right Tilt	0.179	0.511	0.690	0.276	0.117	0.177	0.192	0.192	1.158
LTE B66	ANT4	N7	ANT3	Left Cheek	0.060	0.058	0.118	0.351	0.099	0.163	0.141	0.163	0.632
				Left Tilt	0.071	0.031	0.102	0.316	0.082	0.202	0.272	0.272	0.690
				Right Cheek	0.100	0.134	0.234	0.210	0.105	0.156	0.180	0.180	0.624
				Right Tilt	0.101	0.064	0.165	0.276	0.117	0.177	0.192	0.192	0.633
LTE B66	ANT1	N7	ANT1	Left Cheek	0.240	0.135	0.375	0.351	0.099	0.163	0.141	0.163	0.889
				Left Tilt	0.163	0.060	0.223	0.316	0.082	0.202	0.272	0.272	0.811
				Right Cheek	0.732	0.302	1.034	0.210	0.105	0.156	0.180	0.180	1.424
				Right Tilt	0.190	0.110	0.300	0.276	0.117	0.177	0.192	0.192	0.768
LTE B26	ANT3	N41	ANT0	Left Cheek	0.147	0.182	0.329	0.351	0.099	0.163	0.141	0.163	0.843
				Left Tilt	0.085	0.211	0.296	0.316	0.082	0.202	0.272	0.272	0.884
				Right Cheek	0.295	0.286	0.581	0.210	0.105	0.156	0.180	0.180	0.971
				Right Tilt	0.156	0.334	0.490	0.276	0.117	0.177	0.192	0.192	0.958

LTE B26	ANT4	N41	ANT1	Left Cheek	0.140	0.047	0.187	0.351	0.099	0.163	0.141	0.163	0.701
				Left Tilt	0.077	0.053	0.130	0.316	0.082	0.202	0.272	0.272	0.718
				Right Cheek	0.104	0.084	0.188	0.210	0.105	0.156	0.180	0.180	0.578
				Right Tilt	0.066	0.041	0.107	0.276	0.117	0.177	0.192	0.192	0.575
LTE B2	ANT4	N66	ANT3	Left Cheek	0.472	0.098	0.570	0.351	0.099	0.163	0.141	0.163	1.084
				Left Tilt	0.521	0.062	0.583	0.316	0.082	0.202	0.272	0.272	1.171
				Right Cheek	0.739	0.147	0.886	0.210	0.105	0.156	0.180	0.180	1.276
				Right Tilt	0.715	0.075	0.790	0.276	0.117	0.177	0.192	0.192	1.258
LTE B7	ANT4	N66	ANT3	Left Cheek	0.358	0.098	0.456	0.351	0.099	0.163	0.141	0.163	0.970
				Left Tilt	0.326	0.062	0.388	0.316	0.082	0.202	0.272	0.272	0.976
				Right Cheek	0.514	0.147	0.661	0.210	0.105	0.156	0.180	0.180	1.051
				Right Tilt	0.606	0.075	0.681	0.276	0.117	0.177	0.192	0.192	1.149
LTE B7	ANT1	N66	ANT1	Left Cheek	0.082	0.299	0.381	0.351	0.099	0.163	0.141	0.163	0.895
				Left Tilt	0.033	0.172	0.205	0.316	0.082	0.202	0.272	0.272	0.793
				Right Cheek	0.198	0.774	0.972	0.210	0.105	0.156	0.180	0.180	1.362
				Right Tilt	0.071	0.200	0.271	0.276	0.117	0.177	0.192	0.192	0.739
LTE B5	ANT0	N66	ANT3	Left Cheek	0.144	0.098	0.242	0.351	0.099	0.163	0.141	0.163	0.756
				Left Tilt	0.078	0.062	0.140	0.316	0.082	0.202	0.272	0.272	0.728
				Right Cheek	0.099	0.147	0.246	0.210	0.105	0.156	0.180	0.180	0.636
				Right Tilt	0.029	0.075	0.104	0.276	0.117	0.177	0.192	0.192	0.572
LTE B5	ANT1	N66	ANT4	Left Cheek	0.163	0.060	0.223	0.351	0.099	0.163	0.141	0.163	0.737
				Left Tilt	0.094	0.085	0.179	0.316	0.082	0.202	0.272	0.272	0.767
				Right Cheek	0.342	0.111	0.453	0.210	0.105	0.156	0.180	0.180	0.843
				Right Tilt	0.179	0.118	0.297	0.276	0.117	0.177	0.192	0.192	0.765

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.424 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.6 Head Simultaneous Transmission SAR Evaluation for WLAN and Bluetooth

Position	Stand alone SAR							Sum SAR				
	1	2	3	4	5	6	7					
	2.4G WIFI (Chain0) Level2	2.4G WIFI (Chain1) Level2	2.4G WIFI (MIMO) Level2	5G WIFI (Chain0 MAX) Level2	5G WIFI (Chain1 MAX) Level2	5G WIFI (MIMO MAX) Level2	Bluetooth	Sum SAR (1+7)	Sum SAR (4+7)	Sum SAR (5+7)	Sum SAR (6+7)	Sum SAR (1+5)
Left Cheek	0.738	0.120	1.075	0.633	0.653	0.829	0.378	1.116	1.011	1.031	1.207	1.391
Left Tilt	0.620	0.012	0.791	0.414	0.956	0.707	0.130	0.750	0.544	1.086	0.837	1.576
Right Cheek	0.411	0.365	0.463	0.473	0.581	0.506	0.079	0.490	0.552	0.660	0.585	0.992
Right Tilt	0.478	0.013	0.558	0.185	0.626	0.556	0.090	0.568	0.275	0.716	0.646	1.104

Note:

- 1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.
- 2: The highest Summed 1g SAR is 1.576 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

Band	Antenna	Position	Stand alone SAR								SUM SAR					
			1	2	3	4	5	6	7	8	Sum SAR (1+2)	Sum SAR (1+4)	Sum SAR (1+3+8)	Sum SAR (1+5+8)	Sum SAR (1+6+8)	Sum SAR (1+7+8)
			WWAN	2.4G WIFI (Chain0)	2.4G WIFI (Chain1)	2.4G WIFI (MIMO)	5G WIFI (Chain0) MAX)	5G WIFI (Chain1) MAX)	5G WIFI (MIMO) MAX)	Bluetooth						
			STATE3	LEVEL7	LEVEL7	LEVEL7	LEVEL7	LEVEL7	LEVEL7							
GSM850	ANT1	Front Side 15mm	0.047	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.089	0.103	0.116	0.116	0.123	0.138
		Back Side 15mm	0.068	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.122	0.139	0.157	0.167	0.192	0.219
GSM850	ANT0	Front Side 15mm	0.162	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.204	0.218	0.231	0.231	0.238	0.253
		Back Side 15mm	0.129	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.183	0.200	0.218	0.228	0.253	0.280
GSM1900	ANT4	Front Side 15mm	0.105	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.147	0.161	0.174	0.174	0.181	0.196
		Back Side 15mm	0.123	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.177	0.194	0.212	0.222	0.247	0.274
GSM1900	ANT3	Front Side 15mm	0.157	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.199	0.213	0.226	0.226	0.233	0.248
		Back Side 15mm	0.182	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.236	0.253	0.271	0.281	0.306	0.333
WCDMA B2	ANT4	Front Side 15mm	0.349	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.391	0.405	0.418	0.418	0.425	0.440
		Back Side 15mm	0.328	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.382	0.399	0.417	0.427	0.452	0.479
WCDMA B2	ANT3	Front Side 15mm	0.162	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.204	0.218	0.231	0.231	0.238	0.253
		Back Side 15mm	0.238	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.292	0.309	0.327	0.337	0.362	0.389
WCDMA B4	ANT4	Front Side 15mm	0.086	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.128	0.142	0.155	0.155	0.162	0.177
		Back Side 15mm	0.092	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.146	0.163	0.181	0.191	0.216	0.243
WCDMA B4	ANT3	Front Side 15mm	0.148	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.190	0.204	0.217	0.217	0.224	0.239
		Back Side 15mm	0.195	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.249	0.266	0.284	0.294	0.319	0.346
WCDMA B5	ANT1	Front Side 15mm	0.062	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.104	0.118	0.131	0.131	0.138	0.153
		Back Side 15mm	0.088	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.142	0.159	0.177	0.187	0.212	0.239
WCDMA B5	ANT0	Front Side 15mm	0.098	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.140	0.154	0.167	0.167	0.174	0.189
		Back Side 15mm	0.137	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.191	0.208	0.226	0.236	0.261	0.288
LTE B2	ANT4	Front Side 15mm	0.288	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.330	0.344	0.357	0.357	0.364	0.379
		Back Side 15mm	0.324	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.378	0.395	0.413	0.423	0.448	0.475
LTE B2	ANT3	Front Side 15mm	0.152	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.194	0.208	0.221	0.221	0.228	0.243
		Back Side 15mm	0.190	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.244	0.261	0.279	0.289	0.314	0.341
LTE B4	ANT4	Front Side 15mm	0.048	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.090	0.104	0.117	0.117	0.124	0.139
		Back Side 15mm	0.058	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.112	0.129	0.147	0.157	0.182	0.209
LTE B4	ANT3	Front Side 15mm	0.179	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.221	0.235	0.248	0.248	0.255	0.270
		Back Side 15mm	0.219	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.273	0.290	0.308	0.318	0.343	0.370
LTE B5	ANT1	Front Side 15mm	0.047	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.089	0.103	0.116	0.116	0.123	0.138
		Back Side 15mm	0.067	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.121	0.138	0.156	0.166	0.191	0.218
LTE B5	ANT0	Front Side 15mm	0.102	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.144	0.158	0.171	0.171	0.178	0.193
		Back Side 15mm	0.125	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.179	0.196	0.214	0.224	0.249	0.276
LTE B7	ANT4	Front Side 15mm	0.169	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.211	0.225	0.238	0.238	0.245	0.260
		Back Side 15mm	0.211	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.265	0.282	0.300	0.310	0.335	0.362
LTE B7	ANT3	Front Side 15mm	0.154	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.196	0.210	0.223	0.223	0.230	0.245

		Back Side 15mm	0.204	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.258	0.275	0.293	0.303	0.328	0.355
LTE B12	ANT1	Front Side 15mm	0.032	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.074	0.088	0.101	0.101	0.108	0.123
		Back Side 15mm	0.041	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.095	0.112	0.130	0.140	0.165	0.192
LTE B12	ANT0	Front Side 15mm	0.107	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.149	0.163	0.176	0.176	0.183	0.198
		Back Side 15mm	0.164	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.218	0.235	0.253	0.263	0.288	0.315
LTE B13	ANT1	Front Side 15mm	0.043	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.085	0.099	0.112	0.112	0.119	0.134
		Back Side 15mm	0.052	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.106	0.123	0.141	0.151	0.176	0.203
LTE B13	ANT0	Front Side 15mm	0.054	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.096	0.110	0.123	0.123	0.130	0.145
		Back Side 15mm	0.070	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.124	0.141	0.159	0.169	0.194	0.221
LTE B17	ANT1	Front Side 15mm	0.033	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.075	0.089	0.102	0.102	0.109	0.124
		Back Side 15mm	0.048	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.102	0.119	0.137	0.147	0.172	0.199
LTE B17	ANT0	Front Side 15mm	0.087	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.129	0.143	0.156	0.156	0.163	0.178
		Back Side 15mm	0.156	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.210	0.227	0.245	0.255	0.280	0.307
LTE B26	ANT1	Front Side 15mm	0.041	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.083	0.097	0.110	0.110	0.117	0.132
		Back Side 15mm	0.057	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.111	0.128	0.146	0.156	0.181	0.208
LTE B26	ANT0	Front Side 15mm	0.106	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.148	0.162	0.175	0.175	0.182	0.197
		Back Side 15mm	0.145	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.199	0.216	0.234	0.244	0.269	0.296
LTE B66	ANT4	Front Side 15mm	0.062	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.104	0.118	0.131	0.131	0.138	0.153
		Back Side 15mm	0.055	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.109	0.126	0.144	0.154	0.179	0.206
LTE B66	ANT3	Front Side 15mm	0.235	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.277	0.291	0.304	0.304	0.311	0.326
		Back Side 15mm	0.319	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.373	0.390	0.408	0.418	0.443	0.470
LTE B38	ANT4	Front Side 15mm	0.146	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.188	0.202	0.215	0.215	0.222	0.237
		Back Side 15mm	0.162	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.216	0.233	0.251	0.261	0.286	0.313
LTE B38	ANT3	Front Side 15mm	0.205	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.247	0.261	0.274	0.274	0.281	0.296
		Back Side 15mm	0.249	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.303	0.320	0.338	0.348	0.373	0.400
LTE B41	ANT4	Front Side 15mm	0.078	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.120	0.134	0.147	0.147	0.154	0.169
		Back Side 15mm	0.088	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.142	0.159	0.177	0.187	0.212	0.239
LTE B41	ANT3	Front Side 15mm	0.140	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.182	0.196	0.209	0.209	0.216	0.231
		Back Side 15mm	0.167	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.221	0.238	0.256	0.266	0.291	0.318
N5	ANT1	Front Side 15mm	0.042	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.084	0.098	0.111	0.111	0.118	0.133
		Back Side 15mm	0.075	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.129	0.146	0.164	0.174	0.199	0.226
N5	ANT0	Front Side 15mm	0.075	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.117	0.131	0.144	0.144	0.151	0.166
		Back Side 15mm	0.102	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.156	0.173	0.191	0.201	0.226	0.253
N7	ANT4	Front Side 15mm	0.139	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.181	0.195	0.208	0.208	0.215	0.230
		Back Side 15mm	0.175	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.229	0.246	0.264	0.274	0.299	0.326
N7	ANT3	Front Side 15mm	0.035	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.077	0.091	0.104	0.104	0.111	0.126
		Back Side 15mm	0.052	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.106	0.123	0.141	0.151	0.176	0.203
N38	ANT4	Front Side 15mm	0.123	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.165	0.179	0.192	0.192	0.199	0.214
		Back Side 15mm	0.164	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.218	0.235	0.253	0.263	0.288	0.315
N38	ANT3	Front Side 15mm	0.038	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.080	0.094	0.107	0.107	0.114	0.129
		Back Side 15mm	0.056	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.110	0.127	0.145	0.155	0.180	0.207
N41	ANT4	Front Side 15mm	0.110	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.152	0.166	0.179	0.179	0.186	0.201
		Back Side 15mm	0.154	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.208	0.225	0.243	0.253	0.278	0.305

N41	ANT3	Front Side 15mm	0.055	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.097	0.111	0.124	0.124	0.131	0.146
		Back Side 15mm	0.075	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.129	0.146	0.164	0.174	0.199	0.226
N66	ANT4	Front Side 15mm	0.057	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.099	0.113	0.126	0.126	0.133	0.148
		Back Side 15mm	0.066	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.120	0.137	0.155	0.165	0.190	0.217
N66	ANT3	Front Side 15mm	0.178	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.220	0.234	0.247	0.247	0.254	0.269
		Back Side 15mm	0.200	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.254	0.271	0.289	0.299	0.324	0.351

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

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

Band	Antenna	Position	Stand alone SAR					SUM SAR	
			1	2	3	4	5	Sum SAR (1+5)	Sum SAR (2+3+4)
			WWAN	WWAN	2.4G WIFI (Chain0)	5G WIFI (Chain1 MAX)	Bluetooth		
STATE1	STATE5	LEVEL8	LEVEL8						
GSM850	ANT1	Front Side 15mm	0.047	0.047	0.028	0.025	0.029	0.076	0.100
		Back Side 15mm	0.068	0.068	0.027	0.046	0.041	0.109	0.141
GSM850	ANT0	Front Side 15mm	0.162	0.162	0.028	0.025	0.029	0.191	0.215
		Back Side 15mm	0.129	0.129	0.027	0.046	0.041	0.170	0.202
GSM1900	ANT4	Front Side 15mm	0.150	0.105	0.028	0.025	0.029	0.179	0.158
		Back Side 15mm	0.227	0.123	0.027	0.046	0.041	0.268	0.196
GSM1900	ANT3	Front Side 15mm	0.157	0.112	0.028	0.025	0.029	0.186	0.165
		Back Side 15mm	0.182	0.129	0.027	0.046	0.041	0.223	0.202
WCDMA B2	ANT4	Front Side 15mm	0.349	0.349	0.028	0.025	0.029	0.378	0.402
		Back Side 15mm	0.328	0.328	0.027	0.046	0.041	0.369	0.401
WCDMA B2	ANT3	Front Side 15mm	0.162	0.115	0.028	0.025	0.029	0.191	0.168
		Back Side 15mm	0.238	0.169	0.027	0.046	0.041	0.279	0.242
WCDMA B4	ANT4	Front Side 15mm	0.120	0.086	0.028	0.025	0.029	0.149	0.139
		Back Side 15mm	0.132	0.092	0.027	0.046	0.041	0.173	0.165
WCDMA B4	ANT3	Front Side 15mm	0.148	0.095	0.028	0.025	0.029	0.177	0.148
		Back Side 15mm	0.195	0.133	0.027	0.046	0.041	0.236	0.206
WCDMA B5	ANT1	Front Side 15mm	0.062	0.062	0.028	0.025	0.029	0.091	0.115
		Back Side 15mm	0.088	0.088	0.027	0.046	0.041	0.129	0.161
WCDMA B5	ANT0	Front Side 15mm	0.098	0.098	0.028	0.025	0.029	0.127	0.151
		Back Side 15mm	0.137	0.137	0.027	0.046	0.041	0.178	0.210
LTE B2	ANT4	Front Side 15mm	0.288	0.288	0.028	0.025	0.029	0.317	0.341
		Back Side 15mm	0.324	0.324	0.027	0.046	0.041	0.365	0.397
LTE B2	ANT3	Front Side 15mm	0.152	0.152	0.028	0.025	0.029	0.181	0.205
		Back Side 15mm	0.190	0.190	0.027	0.046	0.041	0.231	0.263
LTE B4	ANT4	Front Side 15mm	0.080	0.048	0.028	0.025	0.029	0.109	0.101
		Back Side 15mm	0.085	0.058	0.027	0.046	0.041	0.126	0.131
LTE B4	ANT3	Front Side 15mm	0.179	0.137	0.028	0.025	0.029	0.208	0.190
		Back Side 15mm	0.219	0.201	0.027	0.046	0.041	0.260	0.274
LTE B5	ANT1	Front Side 15mm	0.047	0.047	0.028	0.025	0.029	0.076	0.100
		Back Side 15mm	0.067	0.067	0.027	0.046	0.041	0.108	0.140
LTE B5	ANT0	Front Side 15mm	0.102	0.102	0.028	0.025	0.029	0.131	0.155
		Back Side 15mm	0.125	0.125	0.027	0.046	0.041	0.166	0.198
LTE B7	ANT4	Front Side 15mm	0.169	0.169	0.028	0.025	0.029	0.198	0.222
		Back Side 15mm	0.211	0.211	0.027	0.046	0.041	0.252	0.284
LTE B7	ANT3	Front Side 15mm	0.154	0.154	0.028	0.025	0.029	0.183	0.207
		Back Side 15mm	0.204	0.204	0.027	0.046	0.041	0.245	0.277

LTE B12	ANT1	Front Side 15mm	0.032	0.032	0.028	0.025	0.029	0.061	0.085
		Back Side 15mm	0.041	0.041	0.027	0.046	0.041	0.082	0.114
LTE B12	ANT0	Front Side 15mm	0.107	0.107	0.028	0.025	0.029	0.136	0.160
		Back Side 15mm	0.164	0.164	0.027	0.046	0.041	0.205	0.237
LTE B13	ANT1	Front Side 15mm	0.043	0.047	0.028	0.025	0.029	0.072	0.100
		Back Side 15mm	0.052	0.057	0.027	0.046	0.041	0.093	0.130
LTE B13	ANT0	Front Side 15mm	0.054	0.054	0.028	0.025	0.029	0.083	0.107
		Back Side 15mm	0.070	0.070	0.027	0.046	0.041	0.111	0.143
LTE B17	ANT1	Front Side 15mm	0.033	0.033	0.028	0.025	0.029	0.062	0.086
		Back Side 15mm	0.048	0.048	0.027	0.046	0.041	0.089	0.121
LTE B17	ANT0	Front Side 15mm	0.087	0.087	0.028	0.025	0.029	0.116	0.140
		Back Side 15mm	0.156	0.156	0.027	0.046	0.041	0.197	0.229
LTE B26	ANT1	Front Side 15mm	0.041	0.041	0.028	0.025	0.029	0.070	0.094
		Back Side 15mm	0.057	0.057	0.027	0.046	0.041	0.098	0.130
LTE B26	ANT0	Front Side 15mm	0.106	0.106	0.028	0.025	0.029	0.135	0.159
		Back Side 15mm	0.145	0.145	0.027	0.046	0.041	0.186	0.218
LTE B66	ANT4	Front Side 15mm	0.124	0.062	0.028	0.025	0.029	0.153	0.115
		Back Side 15mm	0.079	0.055	0.027	0.046	0.041	0.120	0.128
LTE B66	ANT3	Front Side 15mm	0.235	0.194	0.028	0.025	0.029	0.264	0.247
		Back Side 15mm	0.319	0.221	0.027	0.046	0.041	0.360	0.294
LTE B38	ANT4	Front Side 15mm	0.146	0.146	0.028	0.025	0.029	0.175	0.199
		Back Side 15mm	0.162	0.162	0.027	0.046	0.041	0.203	0.235
LTE B38	ANT3	Front Side 15mm	0.205	0.205	0.028	0.025	0.029	0.234	0.258
		Back Side 15mm	0.249	0.249	0.027	0.046	0.041	0.290	0.322
LTE B41	ANT4	Front Side 15mm	0.102	0.078	0.028	0.025	0.029	0.131	0.131
		Back Side 15mm	0.119	0.088	0.027	0.046	0.041	0.160	0.161
LTE B41	ANT3	Front Side 15mm	0.140	0.096	0.028	0.025	0.029	0.169	0.149
		Back Side 15mm	0.167	0.123	0.027	0.046	0.041	0.208	0.196
N5	ANT1	Front Side 15mm	0.042	0.042	0.028	0.025	0.029	0.071	0.095
		Back Side 15mm	0.075	0.075	0.027	0.046	0.041	0.116	0.148
N5	ANT0	Front Side 15mm	0.075	0.075	0.028	0.025	0.029	0.104	0.128
		Back Side 15mm	0.102	0.102	0.027	0.046	0.041	0.143	0.175
N7	ANT4	Front Side 15mm	0.200	0.139	0.028	0.025	0.029	0.229	0.192
		Back Side 15mm	0.259	0.175	0.027	0.046	0.041	0.300	0.248
N7	ANT3	Front Side 15mm	0.031	0.018	0.028	0.025	0.029	0.060	0.071
		Back Side 15mm	0.052	0.032	0.027	0.046	0.041	0.093	0.105
N38	ANT4	Front Side 15mm	0.174	0.123	0.028	0.025	0.029	0.203	0.176
		Back Side 15mm	0.212	0.164	0.027	0.046	0.041	0.253	0.237
N38	ANT3	Front Side 15mm	0.038	0.030	0.028	0.025	0.029	0.067	0.083
		Back Side 15mm	0.056	0.035	0.027	0.046	0.041	0.097	0.108
N41	ANT4	Front Side 15mm	0.151	0.110	0.028	0.025	0.029	0.180	0.163
		Back Side 15mm	0.200	0.154	0.027	0.046	0.041	0.241	0.227
N41	ANT3	Front Side 15mm	0.029	0.024	0.028	0.025	0.029	0.058	0.077

		Back Side 15mm	0.063	0.048	0.027	0.046	0.041	0.104	0.121
N66	ANT4	Front Side 15mm	0.084	0.057	0.028	0.025	0.029	0.113	0.110
		Back Side 15mm	0.092	0.066	0.027	0.046	0.041	0.133	0.139
N66	ANT3	Front Side 15mm	0.178	0.178	0.028	0.025	0.029	0.207	0.231
		Back Side 15mm	0.200	0.200	0.027	0.046	0.041	0.241	0.273

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

13.2.9 Body Simultaneous Transmission SAR Evaluation for ENDC WWAN Antenna

Band	Antenna	Band	Antenna	Position	Stand alone SAR		
					1	2	3
					LTE	NR	ENDC
					STATE1	STATE1	STATE1
LTE B7	ANT4	N5	ANT1	Front Side 10mm	0.128	0.042	0.170
				Back Side 10mm	0.154	0.075	0.229
LTE B7	ANT3	N5	ANT0	Front Side 10mm	0.047	0.068	0.115
				Back Side 10mm	0.086	0.102	0.188
LTE B66	ANT4	N5	ANT1	Front Side 10mm	0.015	0.042	0.057
				Back Side 10mm	0.018	0.075	0.093
LTE B66	ANT3	N5	ANT0	Front Side 10mm	0.067	0.068	0.135
				Back Side 10mm	0.084	0.102	0.186
LTE B5	ANT0	N7	ANT3	Front Side 10mm	0.046	0.018	0.064
				Back Side 10mm	0.048	0.032	0.080
LTE B5	ANT1	N7	ANT4	Front Side 10mm	0.047	0.139	0.186
				Back Side 10mm	0.067	0.175	0.242
LTE B66	ANT4	N7	ANT3	Front Side 10mm	0.018	0.018	0.036
				Back Side 10mm	0.020	0.032	0.052
LTE B66	ANT1	N7	ANT1	Front Side 10mm	0.029	0.031	0.060
				Back Side 10mm	0.041	0.060	0.101
LTE B26	ANT0	N41	ANT3	Front Side 10mm	0.029	0.024	0.053
				Back Side 10mm	0.036	0.048	0.084
LTE B26	ANT1	N41	ANT4	Front Side 10mm	0.041	0.105	0.146
				Back Side 10mm	0.057	0.154	0.211
LTE B2	ANT4	N66	ANT3	Front Side 10mm	0.103	0.178	0.281
				Back Side 10mm	0.111	0.200	0.311
LTE B7	ANT4	N66	ANT3	Front Side 10mm	0.094	0.178	0.272
				Back Side 10mm	0.116	0.200	0.316
LTE B7	ANT1	N66	ANT1	Front Side 10mm	0.034	0.056	0.090
				Back Side 10mm	0.058	0.065	0.123
LTE B5	ANT0	N66	ANT3	Front Side 10mm	0.046	0.178	0.224
				Back Side 10mm	0.048	0.200	0.248
LTE B5	ANT1	N66	ANT4	Front Side 10mm	0.047	0.077	0.124
				Back Side 10mm	0.067	0.105	0.172

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

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

Band	Antenna	Band	Antenna	Position	Stand alone SAR										Sum SAR					
					1	2	3	4	5	6	7	8	9	10	Sum SAR (3+4)	Sum SAR (3+6)	Sum SAR (3+5 +10)	Sum SAR (3+7 +10)	Sum SAR (3+8 +10)	Sum SAR (3+9 +10)
					LTE	NR	ENDC	2.4G WIFI (Chain 0)	2.4G WIFI (Chain 1)	2.4G WIFI (MIMO)	5G WIFI (Chain 0 MAX)	5G WIFI (Chain 1 MAX)	5G WIFI (MIMO MAX)	Bluetooth						
					STATE 3	STATE 3	STATE 3	LEVEL 7	LEVEL 7	LEVEL 7	LEVEL 7	LEVEL 7	LEVEL 7							
LTE B7	ANT4	N5	ANT1	Front Side 10mm	0.128	0.042	0.170	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.212	0.226	0.239	0.239	0.246	0.261
				Back Side 10mm	0.154	0.075	0.229	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.283	0.300	0.318	0.328	0.353	0.380
LTE B7	ANT3	N5	ANT0	Front Side 10mm	0.047	0.035	0.082	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.124	0.138	0.151	0.151	0.158	0.173
				Back Side 10mm	0.086	0.059	0.145	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.199	0.216	0.234	0.244	0.269	0.296
LTE B66	ANT4	N5	ANT1	Front Side 10mm	0.015	0.042	0.057	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.099	0.113	0.126	0.126	0.133	0.148
				Back Side 10mm	0.018	0.075	0.093	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.147	0.164	0.182	0.192	0.217	0.244
LTE B66	ANT3	N5	ANT0	Front Side 10mm	0.067	0.035	0.102	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.144	0.158	0.171	0.171	0.178	0.193
				Back Side 10mm	0.084	0.059	0.143	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.197	0.214	0.232	0.242	0.267	0.294
LTE B5	ANT0	N7	ANT3	Front Side 10mm	0.046	0.018	0.064	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.106	0.120	0.133	0.133	0.140	0.155
				Back Side 10mm	0.048	0.032	0.080	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.134	0.151	0.169	0.179	0.204	0.231
LTE B5	ANT1	N7	ANT4	Front Side 10mm	0.047	0.070	0.117	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.159	0.173	0.186	0.186	0.193	0.208
				Back Side 10mm	0.067	0.087	0.154	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.208	0.225	0.243	0.253	0.278	0.305
LTE B66	ANT4	N7	ANT3	Front Side 10mm	0.018	0.018	0.036	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.078	0.092	0.105	0.105	0.112	0.127
				Back Side 10mm	0.020	0.032	0.052	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.106	0.123	0.141	0.151	0.176	0.203
LTE B66	ANT1	N7	ANT1	Front Side 10mm	0.029	0.031	0.060	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.102	0.116	0.129	0.129	0.136	0.151
				Back Side 10mm	0.041	0.060	0.101	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.155	0.172	0.190	0.200	0.225	0.252
LTE B26	ANT0	N41	ANT3	Front Side 10mm	0.029	0.017	0.046	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.088	0.102	0.115	0.115	0.122	0.137
				Back Side 10mm	0.036	0.024	0.060	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.114	0.131	0.149	0.159	0.184	0.211
LTE B26	ANT1	N41	ANT4	Front Side 10mm	0.041	0.055	0.096	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.138	0.152	0.165	0.165	0.172	0.187
				Back Side 10mm	0.057	0.075	0.132	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.186	0.203	0.221	0.231	0.256	0.283
LTE B2	ANT4	N66	ANT3	Front Side 10mm	0.103	0.178	0.281	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.323	0.337	0.350	0.350	0.357	0.372
				Back Side 10mm	0.111	0.200	0.311	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.365	0.382	0.400	0.410	0.435	0.462
LTE B7	ANT4	N66	ANT3	Front Side 10mm	0.094	0.178	0.272	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.314	0.328	0.341	0.341	0.348	0.363
				Back Side 10mm	0.116	0.200	0.316	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.370	0.387	0.405	0.415	0.440	0.467
LTE B7	ANT1	N66	ANT1	Front Side 10mm	0.034	0.077	0.111	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.153	0.167	0.180	0.180	0.187	0.202
				Back Side 10mm	0.058	0.105	0.163	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.217	0.234	0.252	0.262	0.287	0.314
LTE B5	ANT0	N66	ANT3	Front Side 10mm	0.046	0.178	0.224	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.266	0.280	0.293	0.293	0.300	0.315
				Back Side 10mm	0.048	0.200	0.248	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.302	0.319	0.337	0.347	0.372	0.399
LTE B5	ANT1	N66	ANT4	Front Side 10mm	0.047	0.029	0.076	0.042	0.040	0.056	0.040	0.047	0.062	0.029	0.118	0.132	0.145	0.145	0.152	0.167
				Back Side 10mm	0.067	0.034	0.101	0.054	0.048	0.071	0.058	0.083	0.110	0.041	0.155	0.172	0.190	0.200	0.225	0.252

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

13.2.11 Body Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Band	Antenna	Position	Stand alone SAR									Sum SAR		
					1	2	3	4	5	6	7	8	9	Bluetooth	Sum SAR (3+9)	Sum SAR (6+7+8)
					LTE	NR	ENDC	LTE	NR	ENDC	2.4G WIFI (Chain0)	5G WIFI (Chain1 MAX)				
					STATE1	STATE1	STATE1	STATE5	STATE5	STATE5	LEVEL8	LEVEL8				
LTE B7	ANT4	N5	ANT1	Front Side 10mm	0.128	0.042	0.170	0.128	0.042	0.170	0.028	0.025	0.029	0.199	0.223	
				Back Side 10mm	0.154	0.075	0.229	0.154	0.075	0.229	0.027	0.046	0.041	0.270	0.302	
LTE B7	ANT3	N5	ANT0	Front Side 10mm	0.047	0.035	0.082	0.047	0.035	0.082	0.028	0.025	0.029	0.111	0.135	
				Back Side 10mm	0.086	0.059	0.145	0.086	0.059	0.145	0.027	0.046	0.041	0.186	0.218	
LTE B66	ANT4	N5	ANT1	Front Side 10mm	0.015	0.042	0.057	0.015	0.042	0.057	0.028	0.025	0.029	0.086	0.110	
				Back Side 10mm	0.018	0.075	0.093	0.018	0.075	0.093	0.027	0.046	0.041	0.134	0.166	
LTE B66	ANT3	N5	ANT0	Front Side 10mm	0.067	0.035	0.102	0.067	0.035	0.102	0.028	0.025	0.029	0.131	0.155	
				Back Side 10mm	0.084	0.059	0.143	0.084	0.059	0.143	0.027	0.046	0.041	0.184	0.216	
LTE B5	ANT0	N7	ANT3	Front Side 10mm	0.046	0.018	0.064	0.046	0.010	0.056	0.028	0.025	0.029	0.093	0.109	
				Back Side 10mm	0.048	0.032	0.080	0.048	0.018	0.066	0.027	0.046	0.041	0.121	0.139	
LTE B5	ANT1	N7	ANT4	Front Side 10mm	0.047	0.139	0.186	0.047	0.070	0.117	0.028	0.025	0.029	0.215	0.170	
				Back Side 10mm	0.067	0.175	0.242	0.067	0.087	0.154	0.027	0.046	0.041	0.283	0.227	
LTE B66	ANT4	N7	ANT3	Front Side 10mm	0.015	0.018	0.033	0.018	0.010	0.028	0.028	0.025	0.029	0.062	0.081	
				Back Side 10mm	0.018	0.032	0.050	0.020	0.018	0.038	0.027	0.046	0.041	0.091	0.111	
LTE B66	ANT1	N7	ANT1	Front Side 10mm	0.029	0.031	0.060	0.029	0.018	0.047	0.028	0.025	0.029	0.089	0.100	
				Back Side 10mm	0.041	0.060	0.101	0.041	0.037	0.078	0.027	0.046	0.041	0.142	0.151	
LTE B26	ANT0	N41	ANT3	Front Side 10mm	0.029	0.024	0.053	0.029	0.017	0.046	0.028	0.025	0.029	0.082	0.099	
				Back Side 10mm	0.036	0.048	0.084	0.036	0.024	0.060	0.027	0.046	0.041	0.125	0.133	
LTE B26	ANT1	N41	ANT4	Front Side 10mm	0.041	0.110	0.151	0.041	0.055	0.096	0.028	0.025	0.029	0.180	0.149	
				Back Side 10mm	0.057	0.154	0.211	0.057	0.075	0.132	0.027	0.046	0.041	0.252	0.205	
LTE B2	ANT4	N66	ANT3	Front Side 10mm	0.103	0.178	0.281	0.103	0.091	0.194	0.028	0.025	0.029	0.310	0.247	
				Back Side 10mm	0.111	0.200	0.311	0.111	0.115	0.226	0.027	0.046	0.041	0.352	0.299	
LTE B7	ANT4	N66	ANT3	Front Side 10mm	0.094	0.178	0.272	0.094	0.091	0.185	0.028	0.025	0.029	0.301	0.238	
				Back Side 10mm	0.116	0.200	0.316	0.116	0.115	0.231	0.027	0.046	0.041	0.357	0.304	
LTE B7	ANT1	N66	ANT1	Front Side 10mm	0.034	0.077	0.111	0.034	0.038	0.072	0.028	0.025	0.029	0.140	0.125	
				Back Side 10mm	0.058	0.105	0.163	0.058	0.046	0.104	0.027	0.046	0.041	0.204	0.177	
LTE B5	ANT0	N66	ANT3	Front Side 10mm	0.046	0.178	0.224	0.046	0.091	0.137	0.028	0.025	0.029	0.253	0.190	
				Back Side 10mm	0.048	0.200	0.248	0.048	0.115	0.163	0.027	0.046	0.041	0.289	0.236	
LTE B5	ANT1	N66	ANT4	Front Side 10mm	0.047	0.056	0.103	0.047	0.029	0.076	0.028	0.025	0.029	0.132	0.129	
				Back Side 10mm	0.067	0.065	0.132	0.067	0.034	0.101	0.027	0.046	0.041	0.173	0.174	

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

13.2.12 Body Simultaneous Transmission SAR Evaluation for WLAN and Bluetooth

Position	Stand alone SAR							Sum SAR				
	1	2	3	4	5	6	7	Sum SAR (1+7)	Sum SAR (4+7)	Sum SAR (5+7)	Sum SAR (6+7)	Sum SAR (1+5)
	2.4G WIFI (Chain0) Level6	2.4G WIFI (Chain1) Level6	2.4G WIFI (MIMO) Level6	5G WIFI (Chain0 MAX) Level6	5G WIFI (Chain1 MAX) Level6	5G WIFI (MIMO MAX) Level6	Bluetooth					
Front Side 10mm	0.112	0.063	0.142	0.040	0.047	0.062	0.029	0.141	0.069	0.076	0.091	0.159
Back Side 10mm	0.118	0.072	0.154	0.058	0.083	0.110	0.041	0.159	0.099	0.124	0.151	0.201

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

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

Band	Antenna	Position	Stand alone SAR								SUM SAR					
			1	2	3	4	5	6	7	8	Sum SAR (1+2)	Sum SAR (1+3+8)	Sum SAR (1+4)	Sum SAR (1+5+8)	Sum SAR (1+6+8)	Sum SAR (1+7+8)
			WWAN	2.4G WIFI (Chain0)	2.4G WIFI (Chain1)	2.4G WIFI (MIMO)	5G WIFI (Chain0) MAX)	5G WIFI (Chain1) MAX)	5G WIFI (MIMO) MAX)	Bluetooth						
			STATE3	LEVEL7	LEVEL7	LEVEL7	LEVEL7	LEVEL7	LEVEL7							
GSM850	ANT1	Front Side 10mm	0.095	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.172	0.187	0.219	0.227	0.178	0.216
		Back Side 10mm	0.139	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.214	0.252	0.274	0.329	0.296	0.302
		Left Edge 10mm	0.012	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.069	0.217	0.326	0.330	0.060	0.248
		Right Edge 10mm	0.173	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.197	0.194	0.179	0.197	0.224	0.220
		Top Edge 10mm	0.006	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.181	0.113	0.196	0.217	0.290	0.324
		Bottom Edge 10mm	0.013	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.025	0.025	0.016	0.093	0.027	0.069
GSM850	ANT0	Front Side 10mm	0.217	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.294	0.309	0.341	0.349	0.300	0.338
		Back Side 10mm	0.330	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.405	0.443	0.465	0.520	0.487	0.493
		Left Edge 10mm	0.055	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.112	0.260	0.369	0.373	0.103	0.291
		Right Edge 10mm	0.188	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.212	0.209	0.194	0.212	0.239	0.235
		Top Edge 10mm	0.000	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.175	0.107	0.190	0.211	0.284	0.318
		Bottom Edge 10mm	0.241	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.253	0.253	0.244	0.321	0.255	0.297
GSM1900	ANT4	Front Side 10mm	0.204	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.281	0.296	0.328	0.336	0.287	0.325
		Back Side 10mm	0.230	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.305	0.343	0.365	0.420	0.387	0.393
		Left Edge 10mm	0.121	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.178	0.326	0.435	0.439	0.169	0.357
		Right Edge 10mm	0.043	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.067	0.064	0.049	0.067	0.094	0.090
		Top Edge 10mm	0.516	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.691	0.623	0.706	0.727	0.800	0.834
		Bottom Edge 10mm	0.005	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.017	0.017	0.008	0.085	0.019	0.061
GSM1900	ANT3	Front Side 10mm	0.286	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.363	0.378	0.410	0.418	0.369	0.407
		Back Side 10mm	0.362	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.437	0.475	0.497	0.552	0.519	0.525
		Left Edge 10mm	0.102	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.159	0.307	0.416	0.420	0.150	0.338
		Right Edge 10mm	0.117	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.141	0.138	0.123	0.141	0.168	0.164
		Top Edge 10mm	0.020	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.195	0.127	0.210	0.231	0.304	0.338
		Bottom Edge 10mm	0.731	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.743	0.743	0.734	0.811	0.745	0.787
WCDMA B2	ANT4	Front Side 10mm	0.470	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.547	0.562	0.594	0.602	0.553	0.591
		Back Side 10mm	0.458	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.533	0.571	0.593	0.648	0.615	0.621
		Left Edge 10mm	0.140	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.197	0.345	0.454	0.458	0.188	0.376
		Right Edge 10mm	0.393	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.417	0.414	0.399	0.417	0.444	0.440
		Top Edge 10mm	0.943	0.175	0.005	0.190	0.109	0.182	0.216	0.102	1.118	1.050	1.133	1.154	1.227	1.261
		Bottom Edge 10mm	0.015	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.027	0.027	0.018	0.095	0.029	0.071
WCDMA B2	ANT3	Front Side 10mm	0.291	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.368	0.383	0.415	0.423	0.374	0.412
		Back Side 10mm	0.390	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.465	0.503	0.525	0.580	0.547	0.553
		Left Edge 10mm	0.140	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.197	0.345	0.454	0.458	0.188	0.376
		Right Edge 10mm	0.075	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.099	0.096	0.081	0.099	0.126	0.122
		Top Edge 10mm	0.007	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.182	0.114	0.197	0.218	0.291	0.325

		Bottom Edge 10mm	0.803	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.815	0.815	0.806	0.883	0.817	0.859
WCDMA B4	ANT4	Front Side 10mm	0.167	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.244	0.259	0.291	0.299	0.250	0.288
		Back Side 10mm	0.189	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.264	0.302	0.324	0.379	0.346	0.352
		Left Edge 10mm	0.041	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.098	0.246	0.355	0.359	0.089	0.277
		Right Edge 10mm	0.090	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.114	0.111	0.096	0.114	0.141	0.137
		Top Edge 10mm	0.362	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.537	0.469	0.552	0.573	0.646	0.680
		Bottom Edge 10mm	0.018	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.030	0.030	0.021	0.098	0.032	0.074
WCDMA B4	ANT3	Front Side 10mm	0.409	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.486	0.501	0.533	0.541	0.492	0.530
		Back Side 10mm	0.488	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.563	0.601	0.623	0.678	0.645	0.651
		Left Edge 10mm	0.137	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.194	0.342	0.451	0.455	0.185	0.373
		Right Edge 10mm	0.104	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.128	0.125	0.110	0.128	0.155	0.151
		Top Edge 10mm	0.000	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.175	0.107	0.190	0.211	0.284	0.318
		Bottom Edge 10mm	0.956	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.968	0.968	0.959	1.036	0.970	1.012
WCDMA B5	ANT1	Front Side 10mm	0.125	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.202	0.217	0.249	0.257	0.208	0.246
		Back Side 10mm	0.165	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.240	0.278	0.300	0.355	0.322	0.328
		Left Edge 10mm	0.030	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.087	0.235	0.344	0.348	0.078	0.266
		Right Edge 10mm	0.246	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.270	0.267	0.252	0.270	0.297	0.293
		Top Edge 10mm	0.014	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.189	0.121	0.204	0.225	0.298	0.332
		Bottom Edge 10mm	0.010	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.022	0.022	0.013	0.090	0.024	0.066
WCDMA B5	ANT0	Front Side 10mm	0.170	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.247	0.262	0.294	0.302	0.253	0.291
		Back Side 10mm	0.244	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.319	0.357	0.379	0.434	0.401	0.407
		Left Edge 10mm	0.077	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.134	0.282	0.391	0.395	0.125	0.313
		Right Edge 10mm	0.153	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.177	0.174	0.159	0.177	0.204	0.200
		Top Edge 10mm	0.001	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.176	0.108	0.191	0.212	0.285	0.319
		Bottom Edge 10mm	0.181	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.193	0.193	0.184	0.261	0.195	0.237
LTE B2	ANT4	Front Side 10mm	0.386	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.463	0.478	0.510	0.518	0.469	0.507
		Back Side 10mm	0.408	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.483	0.521	0.543	0.598	0.565	0.571
		Left Edge 10mm	0.073	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.130	0.278	0.387	0.391	0.121	0.309
		Right Edge 10mm	0.313	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.337	0.334	0.319	0.337	0.364	0.360
		Top Edge 10mm	0.750	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.925	0.857	0.940	0.961	1.034	1.068
		Bottom Edge 10mm	0.013	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.025	0.025	0.016	0.093	0.027	0.069
LTE B2	ANT3	Front Side 10mm	0.182	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.259	0.274	0.306	0.314	0.265	0.303
		Back Side 10mm	0.264	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.339	0.377	0.399	0.454	0.421	0.427
		Left Edge 10mm	0.079	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.136	0.284	0.393	0.397	0.127	0.315
		Right Edge 10mm	0.042	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.066	0.063	0.048	0.066	0.093	0.089
		Top Edge 10mm	0.012	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.187	0.119	0.202	0.223	0.296	0.330
		Bottom Edge 10mm	0.548	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.560	0.560	0.551	0.628	0.562	0.604
LTE B4	ANT4	Front Side 10mm	0.084	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.161	0.176	0.208	0.216	0.167	0.205
		Back Side 10mm	0.103	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.178	0.216	0.238	0.293	0.260	0.266
		Left Edge 10mm	0.021	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.078	0.226	0.335	0.339	0.069	0.257
		Right Edge 10mm	0.045	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.069	0.066	0.051	0.069	0.096	0.092
		Top Edge 10mm	0.185	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.360	0.292	0.375	0.396	0.469	0.503
		Bottom Edge 10mm	0.010	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.022	0.022	0.013	0.090	0.024	0.066

LTE B4	ANT3	Front Side 10mm	0.383	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.460	0.475	0.507	0.515	0.466	0.504
		Back Side 10mm	0.442	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.517	0.555	0.577	0.632	0.599	0.605
		Left Edge 10mm	0.148	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.205	0.353	0.462	0.466	0.196	0.384
		Right Edge 10mm	0.099	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.123	0.120	0.105	0.123	0.150	0.146
		Top Edge 10mm	0.016	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.191	0.123	0.206	0.227	0.300	0.334
		Bottom Edge 10mm	0.866	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.878	0.878	0.869	0.946	0.880	0.922
LTE B5	ANT1	Front Side 10mm	0.093	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.170	0.185	0.217	0.225	0.176	0.214
		Back Side 10mm	0.137	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.212	0.250	0.272	0.327	0.294	0.300
		Left Edge 10mm	0.031	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.088	0.236	0.345	0.349	0.079	0.267
		Right Edge 10mm	0.157	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.181	0.178	0.163	0.181	0.208	0.204
		Top Edge 10mm	0.023	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.198	0.130	0.213	0.234	0.307	0.341
		Bottom Edge 10mm	0.017	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.029	0.029	0.020	0.097	0.031	0.073
LTE B5	ANT0	Front Side 10mm	0.181	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.258	0.273	0.305	0.313	0.264	0.302
		Back Side 10mm	0.232	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.307	0.345	0.367	0.422	0.389	0.395
		Left Edge 10mm	0.054	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.111	0.259	0.368	0.372	0.102	0.290
		Right Edge 10mm	0.146	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.170	0.167	0.152	0.170	0.197	0.193
		Top Edge 10mm	0.026	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.201	0.133	0.216	0.237	0.310	0.344
		Bottom Edge 10mm	0.162	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.174	0.174	0.165	0.242	0.176	0.218
LTE B7	ANT4	Front Side 10mm	0.301	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.378	0.393	0.425	0.433	0.384	0.422
		Back Side 10mm	0.372	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.447	0.485	0.507	0.562	0.529	0.535
		Left Edge 10mm	0.087	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.144	0.292	0.401	0.405	0.135	0.323
		Right Edge 10mm	0.188	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.212	0.209	0.194	0.212	0.239	0.235
		Top Edge 10mm	0.585	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.760	0.692	0.775	0.796	0.869	0.903
		Bottom Edge 10mm	0.032	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.044	0.044	0.035	0.112	0.046	0.088
LTE B7	ANT3	Front Side 10mm	0.131	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.208	0.223	0.255	0.263	0.214	0.252
		Back Side 10mm	0.316	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.391	0.429	0.451	0.506	0.473	0.479
		Left Edge 10mm	0.086	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.143	0.291	0.400	0.404	0.134	0.322
		Right Edge 10mm	0.072	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.096	0.093	0.078	0.096	0.123	0.119
		Top Edge 10mm	0.025	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.200	0.132	0.215	0.236	0.309	0.343
		Bottom Edge 10mm	0.579	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.591	0.591	0.582	0.659	0.593	0.635
LTE B12	ANT1	Front Side 10mm	0.052	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.129	0.144	0.176	0.184	0.135	0.173
		Back Side 10mm	0.075	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.150	0.188	0.210	0.265	0.232	0.238
		Left Edge 10mm	0.029	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.086	0.234	0.343	0.347	0.077	0.265
		Right Edge 10mm	0.119	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.143	0.140	0.125	0.143	0.170	0.166
		Top Edge 10mm	0.014	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.189	0.121	0.204	0.225	0.298	0.332
		Bottom Edge 10mm	0.010	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.022	0.022	0.013	0.090	0.024	0.066
LTE B12	ANT0	Front Side 10mm	0.110	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.187	0.202	0.234	0.242	0.193	0.231
		Back Side 10mm	0.140	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.215	0.253	0.275	0.330	0.297	0.303
		Left Edge 10mm	0.084	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.141	0.289	0.398	0.402	0.132	0.320
		Right Edge 10mm	0.196	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.220	0.217	0.202	0.220	0.247	0.243
		Top Edge 10mm	0.030	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.205	0.137	0.220	0.241	0.314	0.348
		Bottom Edge 10mm	0.117	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.129	0.129	0.120	0.197	0.131	0.173
LTE B13	ANT1	Front Side 10mm	0.039	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.116	0.131	0.163	0.171	0.122	0.160

		Back Side 10mm	0.064	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.139	0.177	0.199	0.254	0.221	0.227
		Left Edge 10mm	0.029	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.086	0.234	0.343	0.347	0.077	0.265
		Right Edge 10mm	0.095	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.119	0.116	0.101	0.119	0.146	0.142
		Top Edge 10mm	0.051	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.226	0.158	0.241	0.262	0.335	0.369
		Bottom Edge 10mm	0.028	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.040	0.040	0.031	0.108	0.042	0.084
LTE B13	ANT0	Front Side 10mm	0.061	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.138	0.153	0.185	0.193	0.144	0.182
		Back Side 10mm	0.067	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.142	0.180	0.202	0.257	0.224	0.230
		Left Edge 10mm	0.033	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.090	0.238	0.347	0.351	0.081	0.269
		Right Edge 10mm	0.071	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.095	0.092	0.077	0.095	0.122	0.118
		Top Edge 10mm	0.022	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.197	0.129	0.212	0.233	0.306	0.340
		Bottom Edge 10mm	0.067	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.079	0.079	0.070	0.147	0.081	0.123
LTE B17	ANT1	Front Side 10mm	0.049	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.126	0.141	0.173	0.181	0.132	0.170
		Back Side 10mm	0.054	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.129	0.167	0.189	0.244	0.211	0.217
		Left Edge 10mm	0.092	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.149	0.297	0.406	0.410	0.140	0.328
		Right Edge 10mm	0.081	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.105	0.102	0.087	0.105	0.132	0.128
		Top Edge 10mm	0.037	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.212	0.144	0.227	0.248	0.321	0.355
		Bottom Edge 10mm	0.018	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.030	0.030	0.021	0.098	0.032	0.074
LTE B17	ANT0	Front Side 10mm	0.077	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.154	0.169	0.201	0.209	0.160	0.198
		Back Side 10mm	0.104	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.179	0.217	0.239	0.294	0.261	0.267
		Left Edge 10mm	0.072	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.129	0.277	0.386	0.390	0.120	0.308
		Right Edge 10mm	0.121	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.145	0.142	0.127	0.145	0.172	0.168
		Top Edge 10mm	0.015	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.190	0.122	0.205	0.226	0.299	0.333
		Bottom Edge 10mm	0.077	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.089	0.089	0.080	0.157	0.091	0.133
LTE B26	ANT1	Front Side 10mm	0.070	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.147	0.162	0.194	0.202	0.153	0.191
		Back Side 10mm	0.110	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.185	0.223	0.245	0.300	0.267	0.273
		Left Edge 10mm	0.041	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.098	0.246	0.355	0.359	0.089	0.277
		Right Edge 10mm	0.085	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.109	0.106	0.091	0.109	0.136	0.132
		Top Edge 10mm	0.032	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.207	0.139	0.222	0.243	0.316	0.350
		Bottom Edge 10mm	0.019	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.031	0.031	0.022	0.099	0.033	0.075
LTE B26	ANT0	Front Side 10mm	0.142	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.219	0.234	0.266	0.274	0.225	0.263
		Back Side 10mm	0.222	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.297	0.335	0.357	0.412	0.379	0.385
		Left Edge 10mm	0.042	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.099	0.247	0.356	0.360	0.090	0.278
		Right Edge 10mm	0.088	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.112	0.109	0.094	0.112	0.139	0.135
		Top Edge 10mm	0.012	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.187	0.119	0.202	0.223	0.296	0.330
		Bottom Edge 10mm	0.106	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.118	0.118	0.109	0.186	0.120	0.162
LTE B66	ANT4	Front Side 10mm	0.108	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.185	0.200	0.232	0.240	0.191	0.229
		Back Side 10mm	0.111	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.186	0.224	0.246	0.301	0.268	0.274
		Left Edge 10mm	0.026	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.083	0.231	0.340	0.344	0.074	0.262
		Right Edge 10mm	0.065	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.089	0.086	0.071	0.089	0.116	0.112
		Top Edge 10mm	0.236	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.411	0.343	0.426	0.447	0.520	0.554
		Bottom Edge 10mm	0.012	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.024	0.024	0.015	0.092	0.026	0.068
LTE B66	ANT3	Front Side 10mm	0.399	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.476	0.491	0.523	0.531	0.482	0.520
		Back Side 10mm	0.505	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.580	0.618	0.640	0.695	0.662	0.668

		Left Edge 10mm	0.157	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.214	0.362	0.471	0.475	0.205	0.393
		Right Edge 10mm	0.095	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.119	0.116	0.101	0.119	0.146	0.142
		Top Edge 10mm	0.038	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.213	0.145	0.228	0.249	0.322	0.356
		Bottom Edge 10mm	0.882	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.894	0.894	0.885	0.962	0.896	0.938
LTE B38	ANT4	Front Side 10mm	0.242	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.319	0.334	0.366	0.374	0.325	0.363
		Back Side 10mm	0.323	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.398	0.436	0.458	0.513	0.480	0.486
		Left Edge 10mm	0.051	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.108	0.256	0.365	0.369	0.099	0.287
		Right Edge 10mm	0.103	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.127	0.124	0.109	0.127	0.154	0.150
		Top Edge 10mm	0.676	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.851	0.783	0.866	0.887	0.960	0.994
		Bottom Edge 10mm	0.038	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.050	0.050	0.041	0.118	0.052	0.094
LTE B38	ANT3	Front Side 10mm	0.358	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.435	0.450	0.482	0.490	0.441	0.479
		Back Side 10mm	0.431	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.506	0.544	0.566	0.621	0.588	0.594
		Left Edge 10mm	0.103	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.160	0.308	0.417	0.421	0.151	0.339
		Right Edge 10mm	0.091	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.115	0.112	0.097	0.115	0.142	0.138
		Top Edge 10mm	0.037	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.212	0.144	0.227	0.248	0.321	0.355
		Bottom Edge 10mm	0.685	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.697	0.697	0.688	0.765	0.699	0.741
LTE B41	ANT4	Front Side 10mm	0.134	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.211	0.226	0.258	0.266	0.217	0.255
		Back Side 10mm	0.185	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.260	0.298	0.320	0.375	0.342	0.348
		Left Edge 10mm	0.072	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.129	0.277	0.386	0.390	0.120	0.308
		Right Edge 10mm	0.046	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.070	0.067	0.052	0.070	0.097	0.093
		Top Edge 10mm	0.371	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.546	0.478	0.561	0.582	0.655	0.689
		Bottom Edge 10mm	0.072	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.084	0.084	0.075	0.152	0.086	0.128
LTE B41	ANT3	Front Side 10mm	0.272	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.349	0.364	0.396	0.404	0.355	0.393
		Back Side 10mm	0.311	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.386	0.424	0.446	0.501	0.468	0.474
		Left Edge 10mm	0.091	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.148	0.296	0.405	0.409	0.139	0.327
		Right Edge 10mm	0.065	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.089	0.086	0.071	0.089	0.116	0.112
		Top Edge 10mm	0.031	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.206	0.138	0.221	0.242	0.315	0.349
		Bottom Edge 10mm	0.608	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.620	0.620	0.611	0.688	0.622	0.664
N5	ANT1	Front Side 10mm	0.090	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.167	0.182	0.214	0.222	0.173	0.211
		Back Side 10mm	0.121	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.196	0.234	0.256	0.311	0.278	0.284
		Left Edge 10mm	0.049	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.106	0.254	0.363	0.367	0.097	0.285
		Right Edge 10mm	0.143	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.167	0.164	0.149	0.167	0.194	0.190
		Top Edge 10mm	0.032	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.207	0.139	0.222	0.243	0.316	0.350
		Bottom Edge 10mm	0.024	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.036	0.036	0.027	0.104	0.038	0.080
N5	ANT0	Front Side 10mm	0.110	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.187	0.202	0.234	0.242	0.193	0.231
		Back Side 10mm	0.196	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.271	0.309	0.331	0.386	0.353	0.359
		Left Edge 10mm	0.005	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.062	0.210	0.319	0.323	0.053	0.241
		Right Edge 10mm	0.096	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.120	0.117	0.102	0.120	0.147	0.143
		Top Edge 10mm	0.006	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.181	0.113	0.196	0.217	0.290	0.324
		Bottom Edge 10mm	0.143	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.155	0.155	0.146	0.223	0.157	0.199
N7	ANT4	Front Side 10mm	0.175	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.252	0.267	0.299	0.307	0.258	0.296
		Back Side 10mm	0.204	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.279	0.317	0.339	0.394	0.361	0.367
		Left Edge 10mm	0.081	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.138	0.286	0.395	0.399	0.129	0.317

		Right Edge 10mm	0.102	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.126	0.123	0.108	0.126	0.153	0.149
		Top Edge 10mm	0.385	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.560	0.492	0.575	0.596	0.669	0.703
		Bottom Edge 10mm	0.012	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.024	0.024	0.015	0.092	0.026	0.068
N7	ANT3	Front Side 10mm	0.097	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.174	0.189	0.221	0.229	0.180	0.218
		Back Side 10mm	0.119	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.194	0.232	0.254	0.309	0.276	0.282
		Left Edge 10mm	0.022	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.079	0.227	0.336	0.340	0.070	0.258
		Right Edge 10mm	0.008	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.032	0.029	0.014	0.032	0.059	0.055
		Top Edge 10mm	0.018	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.193	0.125	0.208	0.229	0.302	0.336
		Bottom Edge 10mm	0.668	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.680	0.680	0.671	0.748	0.682	0.724
N38	ANT4	Front Side 10mm	0.224	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.301	0.316	0.348	0.356	0.307	0.345
		Back Side 10mm	0.250	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.325	0.363	0.385	0.440	0.407	0.413
		Left Edge 10mm	0.076	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.133	0.281	0.390	0.394	0.124	0.312
		Right Edge 10mm	0.127	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.151	0.148	0.133	0.151	0.178	0.174
		Top Edge 10mm	0.587	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.762	0.694	0.777	0.798	0.871	0.905
		Bottom Edge 10mm	0.028	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.040	0.040	0.031	0.108	0.042	0.084
N38	ANT3	Front Side 10mm	0.076	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.153	0.168	0.200	0.208	0.159	0.197
		Back Side 10mm	0.253	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.328	0.366	0.388	0.443	0.410	0.416
		Left Edge 10mm	0.069	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.126	0.274	0.383	0.387	0.117	0.305
		Right Edge 10mm	0.025	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.049	0.046	0.031	0.049	0.076	0.072
		Top Edge 10mm	0.018	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.193	0.125	0.208	0.229	0.302	0.336
		Bottom Edge 10mm	0.556	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.568	0.568	0.559	0.636	0.570	0.612
N41	ANT4	Front Side 10mm	0.199	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.276	0.291	0.323	0.331	0.282	0.320
		Back Side 10mm	0.268	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.343	0.381	0.403	0.458	0.425	0.431
		Left Edge 10mm	0.061	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.118	0.266	0.375	0.379	0.109	0.297
		Right Edge 10mm	0.098	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.122	0.119	0.104	0.122	0.149	0.145
		Top Edge 10mm	0.593	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.768	0.700	0.783	0.804	0.877	0.911
		Bottom Edge 10mm	0.024	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.036	0.036	0.027	0.104	0.038	0.080
N41	ANT3	Front Side 10mm	0.150	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.227	0.242	0.274	0.282	0.233	0.271
		Back Side 10mm	0.397	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.472	0.510	0.532	0.587	0.554	0.560
		Left Edge 10mm	0.077	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.134	0.282	0.391	0.395	0.125	0.313
		Right Edge 10mm	0.045	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.069	0.066	0.051	0.069	0.096	0.092
		Top Edge 10mm	0.065	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.240	0.172	0.255	0.276	0.349	0.383
		Bottom Edge 10mm	0.899	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.911	0.911	0.902	0.979	0.913	0.955
N66	ANT4	Front Side 10mm	0.147	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.224	0.239	0.271	0.279	0.230	0.268
		Back Side 10mm	0.157	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.232	0.270	0.292	0.347	0.314	0.320
		Left Edge 10mm	0.019	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.076	0.224	0.333	0.337	0.067	0.255
		Right Edge 10mm	0.105	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.129	0.126	0.111	0.129	0.156	0.152
		Top Edge 10mm	0.287	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.462	0.394	0.477	0.498	0.571	0.605
		Bottom Edge 10mm	0.022	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.034	0.034	0.025	0.102	0.036	0.078
N66	ANT3	Front Side 10mm	0.488	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.565	0.580	0.612	0.620	0.571	0.609
		Back Side 10mm	0.519	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.594	0.632	0.654	0.709	0.676	0.682
		Left Edge 10mm	0.191	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.248	0.396	0.505	0.509	0.239	0.427
		Right Edge 10mm	0.047	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.071	0.068	0.053	0.071	0.098	0.094

	Top Edge 10mm	0.041	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.216	0.148	0.231	0.252	0.325	0.359
	Bottom Edge 10mm	0.733	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.745	0.745	0.736	0.813	0.747	0.789

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.261 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

Band	Antenna	Position	Stand alone SAR					SUM SAR	
			1	2	3	4	5	Sum SAR (1+5)	Sum SAR (2+3+4)
			WWAN	WWAN	2.4G WIFI (Chain0)	5G WIFI (Chain1)	Bluetooth		
STATE1	STATE5	LEVEL8	Level8						
GSM850	ANT1	Front Side 10mm	0.095	0.095	0.049	0.027	0.034	0.129	0.171
		Back Side 10mm	0.139	0.139	0.056	0.051	0.047	0.186	0.246
		Left Edge 10mm	0.012	0.012	0.033	0.009	0.030	0.042	0.054
		Right Edge 10mm	0.173	0.173	0.006	0.020	0.004	0.177	0.199
		Top Edge 10mm	0.006	0.006	0.087	0.102	0.102	0.108	0.195
		Bottom Edge 10mm	0.013	0.013	0.012	0.008	0.006	0.019	0.033
GSM850	ANT0	Front Side 10mm	0.217	0.217	0.049	0.027	0.034	0.251	0.293
		Back Side 10mm	0.330	0.330	0.056	0.051	0.047	0.377	0.437
		Left Edge 10mm	0.055	0.055	0.033	0.009	0.030	0.085	0.097
		Right Edge 10mm	0.188	0.188	0.006	0.020	0.004	0.192	0.214
		Top Edge 10mm	0.000	0.000	0.087	0.102	0.102	0.102	0.189
		Bottom Edge 10mm	0.241	0.241	0.012	0.008	0.006	0.247	0.261
GSM1900	ANT4	Front Side 10mm	0.289	0.204	0.049	0.027	0.034	0.323	0.280
		Back Side 10mm	0.326	0.230	0.056	0.051	0.047	0.373	0.337
		Left Edge 10mm	0.171	0.121	0.033	0.009	0.030	0.201	0.163
		Right Edge 10mm	0.061	0.043	0.006	0.020	0.004	0.065	0.069
		Top Edge 10mm	0.731	0.516	0.087	0.102	0.102	0.833	0.705
		Bottom Edge 10mm	0.007	0.005	0.012	0.008	0.006	0.013	0.025
GSM1900	ANT3	Front Side 10mm	0.286	0.204	0.049	0.027	0.034	0.320	0.280
		Back Side 10mm	0.362	0.258	0.056	0.051	0.047	0.409	0.365
		Left Edge 10mm	0.102	0.073	0.033	0.009	0.030	0.132	0.115
		Right Edge 10mm	0.117	0.083	0.006	0.020	0.004	0.121	0.109
		Top Edge 10mm	0.020	0.014	0.087	0.102	0.102	0.122	0.203
		Bottom Edge 10mm	0.731	0.520	0.012	0.008	0.006	0.737	0.540
WCDMA B2	ANT4	Front Side 10mm	0.470	0.470	0.049	0.027	0.034	0.504	0.546
		Back Side 10mm	0.458	0.458	0.056	0.051	0.047	0.505	0.565
		Left Edge 10mm	0.140	0.140	0.033	0.009	0.030	0.170	0.182
		Right Edge 10mm	0.393	0.393	0.006	0.020	0.004	0.397	0.419
		Top Edge 10mm	0.943	0.943	0.087	0.102	0.102	1.045	1.132
		Bottom Edge 10mm	0.015	0.015	0.012	0.008	0.006	0.021	0.035
WCDMA B2	ANT3	Front Side 10mm	0.291	0.221	0.049	0.027	0.034	0.325	0.297
		Back Side 10mm	0.390	0.281	0.056	0.051	0.047	0.437	0.388
		Left Edge 10mm	0.140	0.090	0.033	0.009	0.030	0.170	0.132
		Right Edge 10mm	0.075	0.062	0.006	0.020	0.004	0.079	0.088
		Top Edge 10mm	0.007	0.002	0.087	0.102	0.102	0.109	0.191
		Bottom Edge 10mm	0.803	0.592	0.012	0.008	0.006	0.809	0.612

WCDMA B4	ANT4	Front Side 10mm	0.245	0.167	0.049	0.027	0.034	0.279	0.243
		Back Side 10mm	0.280	0.189	0.056	0.051	0.047	0.327	0.296
		Left Edge 10mm	0.060	0.041	0.033	0.009	0.030	0.090	0.083
		Right Edge 10mm	0.132	0.090	0.006	0.020	0.004	0.136	0.116
		Top Edge 10mm	0.533	0.362	0.087	0.102	0.102	0.635	0.551
		Bottom Edge 10mm	0.027	0.018	0.012	0.008	0.006	0.033	0.038
WCDMA B4	ANT3	Front Side 10mm	0.409	0.261	0.049	0.027	0.034	0.443	0.337
		Back Side 10mm	0.488	0.312	0.056	0.051	0.047	0.535	0.419
		Left Edge 10mm	0.137	0.087	0.033	0.009	0.030	0.167	0.129
		Right Edge 10mm	0.104	0.067	0.006	0.020	0.004	0.108	0.093
		Top Edge 10mm	0.000	0.000	0.087	0.102	0.102	0.102	0.189
		Bottom Edge 10mm	0.956	0.625	0.012	0.008	0.006	0.962	0.645
WCDMA B5	ANT1	Front Side 10mm	0.125	0.170	0.049	0.027	0.034	0.159	0.246
		Back Side 10mm	0.165	0.244	0.056	0.051	0.047	0.212	0.351
		Left Edge 10mm	0.030	0.077	0.033	0.009	0.030	0.060	0.119
		Right Edge 10mm	0.246	0.153	0.006	0.020	0.004	0.250	0.179
		Top Edge 10mm	0.014	0.001	0.087	0.102	0.102	0.116	0.190
		Bottom Edge 10mm	0.010	0.181	0.012	0.008	0.006	0.016	0.201
WCDMA B5	ANT0	Front Side 10mm	0.170	0.170	0.049	0.027	0.034	0.204	0.246
		Back Side 10mm	0.244	0.244	0.056	0.051	0.047	0.291	0.351
		Left Edge 10mm	0.077	0.077	0.033	0.009	0.030	0.107	0.119
		Right Edge 10mm	0.153	0.153	0.006	0.020	0.004	0.157	0.179
		Top Edge 10mm	0.001	0.001	0.087	0.102	0.102	0.103	0.190
		Bottom Edge 10mm	0.181	0.181	0.012	0.008	0.006	0.187	0.201
LTE B2	ANT4	Front Side 10mm	0.386	0.386	0.049	0.027	0.034	0.420	0.462
		Back Side 10mm	0.408	0.408	0.056	0.051	0.047	0.455	0.515
		Left Edge 10mm	0.073	0.073	0.033	0.009	0.030	0.103	0.115
		Right Edge 10mm	0.313	0.313	0.006	0.020	0.004	0.317	0.339
		Top Edge 10mm	0.750	0.750	0.087	0.102	0.102	0.852	0.939
		Bottom Edge 10mm	0.013	0.013	0.012	0.008	0.006	0.019	0.033
LTE B2	ANT3	Front Side 10mm	0.182	0.182	0.049	0.027	0.034	0.216	0.258
		Back Side 10mm	0.264	0.264	0.056	0.051	0.047	0.311	0.371
		Left Edge 10mm	0.079	0.079	0.033	0.009	0.030	0.109	0.121
		Right Edge 10mm	0.042	0.042	0.006	0.020	0.004	0.046	0.068
		Top Edge 10mm	0.012	0.012	0.087	0.102	0.102	0.114	0.201
		Bottom Edge 10mm	0.548	0.548	0.012	0.008	0.006	0.554	0.568
LTE B4	ANT4	Front Side 10mm	0.124	0.084	0.049	0.027	0.034	0.158	0.160
		Back Side 10mm	0.143	0.103	0.056	0.051	0.047	0.190	0.210
		Left Edge 10mm	0.025	0.021	0.033	0.009	0.030	0.055	0.063
		Right Edge 10mm	0.077	0.045	0.006	0.020	0.004	0.081	0.071
		Top Edge 10mm	0.298	0.185	0.087	0.102	0.102	0.400	0.374
		Bottom Edge 10mm	0.012	0.010	0.012	0.008	0.006	0.018	0.030
LTE B4	ANT3	Front Side 10mm	0.383	0.273	0.049	0.027	0.034	0.417	0.349

		Back Side 10mm	0.442	0.302	0.056	0.051	0.047	0.489	0.409
		Left Edge 10mm	0.148	0.117	0.033	0.009	0.030	0.178	0.159
		Right Edge 10mm	0.099	0.076	0.006	0.020	0.004	0.103	0.102
		Top Edge 10mm	0.016	0.009	0.087	0.102	0.102	0.118	0.198
		Bottom Edge 10mm	0.866	0.558	0.012	0.008	0.006	0.872	0.578
LTE B5	ANT1	Front Side 10mm	0.093	0.093	0.049	0.027	0.034	0.127	0.169
		Back Side 10mm	0.137	0.137	0.056	0.051	0.047	0.184	0.244
		Left Edge 10mm	0.031	0.031	0.033	0.009	0.030	0.061	0.073
		Right Edge 10mm	0.157	0.157	0.006	0.020	0.004	0.161	0.183
		Top Edge 10mm	0.023	0.023	0.087	0.102	0.102	0.125	0.212
		Bottom Edge 10mm	0.017	0.017	0.012	0.008	0.006	0.023	0.037
LTE B5	ANT0	Front Side 10mm	0.181	0.181	0.049	0.027	0.034	0.215	0.257
		Back Side 10mm	0.232	0.232	0.056	0.051	0.047	0.279	0.339
		Left Edge 10mm	0.054	0.054	0.033	0.009	0.030	0.084	0.096
		Right Edge 10mm	0.146	0.146	0.006	0.020	0.004	0.150	0.172
		Top Edge 10mm	0.026	0.026	0.087	0.102	0.102	0.128	0.215
		Bottom Edge 10mm	0.162	0.162	0.012	0.008	0.006	0.168	0.182
LTE B7	ANT4	Front Side 10mm	0.301	0.301	0.049	0.027	0.034	0.335	0.377
		Back Side 10mm	0.372	0.372	0.056	0.051	0.047	0.419	0.479
		Left Edge 10mm	0.087	0.087	0.033	0.009	0.030	0.117	0.129
		Right Edge 10mm	0.188	0.188	0.006	0.020	0.004	0.192	0.214
		Top Edge 10mm	0.585	0.585	0.087	0.102	0.102	0.687	0.774
		Bottom Edge 10mm	0.032	0.032	0.012	0.008	0.006	0.038	0.052
LTE B7	ANT3	Front Side 10mm	0.131	0.131	0.049	0.027	0.034	0.165	0.207
		Back Side 10mm	0.316	0.316	0.056	0.051	0.047	0.363	0.423
		Left Edge 10mm	0.086	0.086	0.033	0.009	0.030	0.116	0.128
		Right Edge 10mm	0.072	0.072	0.006	0.020	0.004	0.076	0.098
		Top Edge 10mm	0.025	0.025	0.087	0.102	0.102	0.127	0.214
		Bottom Edge 10mm	0.579	0.579	0.012	0.008	0.006	0.585	0.599
LTE B12	ANT1	Front Side 10mm	0.052	0.052	0.049	0.027	0.034	0.086	0.128
		Back Side 10mm	0.075	0.075	0.056	0.051	0.047	0.122	0.182
		Left Edge 10mm	0.029	0.029	0.033	0.009	0.030	0.059	0.071
		Right Edge 10mm	0.119	0.119	0.006	0.020	0.004	0.123	0.145
		Top Edge 10mm	0.014	0.014	0.087	0.102	0.102	0.116	0.203
		Bottom Edge 10mm	0.010	0.010	0.012	0.008	0.006	0.016	0.030
LTE B12	ANT0	Front Side 10mm	0.110	0.110	0.049	0.027	0.034	0.144	0.186
		Back Side 10mm	0.140	0.140	0.056	0.051	0.047	0.187	0.247
		Left Edge 10mm	0.084	0.084	0.033	0.009	0.030	0.114	0.126
		Right Edge 10mm	0.196	0.196	0.006	0.020	0.004	0.200	0.222
		Top Edge 10mm	0.030	0.030	0.087	0.102	0.102	0.132	0.219
		Bottom Edge 10mm	0.117	0.117	0.012	0.008	0.006	0.123	0.137
LTE B13	ANT1	Front Side 10mm	0.039	0.041	0.049	0.027	0.034	0.073	0.117
		Back Side 10mm	0.064	0.067	0.056	0.051	0.047	0.111	0.174

		Left Edge 10mm	0.029	0.030	0.033	0.009	0.030	0.059	0.072
		Right Edge 10mm	0.095	0.100	0.006	0.020	0.004	0.099	0.126
		Top Edge 10mm	0.051	0.054	0.087	0.102	0.102	0.153	0.243
		Bottom Edge 10mm	0.028	0.029	0.012	0.008	0.006	0.034	0.049
LTE B13	ANT0	Front Side 10mm	0.061	0.061	0.049	0.027	0.034	0.095	0.137
		Back Side 10mm	0.067	0.067	0.056	0.051	0.047	0.114	0.174
		Left Edge 10mm	0.033	0.033	0.033	0.009	0.030	0.063	0.075
		Right Edge 10mm	0.071	0.071	0.006	0.020	0.004	0.075	0.097
		Top Edge 10mm	0.022	0.022	0.087	0.102	0.102	0.124	0.211
		Bottom Edge 10mm	0.067	0.067	0.012	0.008	0.006	0.073	0.087
LTE B17	ANT1	Front Side 10mm	0.049	0.049	0.049	0.027	0.034	0.083	0.125
		Back Side 10mm	0.054	0.054	0.056	0.051	0.047	0.101	0.161
		Left Edge 10mm	0.092	0.092	0.033	0.009	0.030	0.122	0.134
		Right Edge 10mm	0.081	0.081	0.006	0.020	0.004	0.085	0.107
		Top Edge 10mm	0.037	0.037	0.087	0.102	0.102	0.139	0.226
		Bottom Edge 10mm	0.018	0.018	0.012	0.008	0.006	0.024	0.038
LTE B17	ANT0	Front Side 10mm	0.077	0.077	0.049	0.027	0.034	0.111	0.153
		Back Side 10mm	0.104	0.104	0.056	0.051	0.047	0.151	0.211
		Left Edge 10mm	0.072	0.072	0.033	0.009	0.030	0.102	0.114
		Right Edge 10mm	0.121	0.121	0.006	0.020	0.004	0.125	0.147
		Top Edge 10mm	0.015	0.015	0.087	0.102	0.102	0.117	0.204
		Bottom Edge 10mm	0.077	0.077	0.012	0.008	0.006	0.083	0.097
LTE B26	ANT1	Front Side 10mm	0.070	0.070	0.049	0.027	0.034	0.104	0.146
		Back Side 10mm	0.110	0.110	0.056	0.051	0.047	0.157	0.217
		Left Edge 10mm	0.041	0.041	0.033	0.009	0.030	0.071	0.083
		Right Edge 10mm	0.085	0.085	0.006	0.020	0.004	0.089	0.111
		Top Edge 10mm	0.032	0.032	0.087	0.102	0.102	0.134	0.221
		Bottom Edge 10mm	0.019	0.019	0.012	0.008	0.006	0.025	0.039
LTE B26	ANT0	Front Side 10mm	0.142	0.142	0.049	0.027	0.034	0.176	0.218
		Back Side 10mm	0.222	0.222	0.056	0.051	0.047	0.269	0.329
		Left Edge 10mm	0.042	0.042	0.033	0.009	0.030	0.072	0.084
		Right Edge 10mm	0.088	0.088	0.006	0.020	0.004	0.092	0.114
		Top Edge 10mm	0.012	0.012	0.087	0.102	0.102	0.114	0.201
		Bottom Edge 10mm	0.106	0.106	0.012	0.008	0.006	0.112	0.126
LTE B66	ANT4	Front Side 10mm	0.146	0.108	0.049	0.027	0.034	0.180	0.184
		Back Side 10mm	0.145	0.111	0.056	0.051	0.047	0.192	0.218
		Left Edge 10mm	0.033	0.026	0.033	0.009	0.030	0.063	0.068
		Right Edge 10mm	0.098	0.065	0.006	0.020	0.004	0.102	0.091
		Top Edge 10mm	0.354	0.236	0.087	0.102	0.102	0.456	0.425
		Bottom Edge 10mm	0.016	0.012	0.012	0.008	0.006	0.022	0.032
LTE B66	ANT3	Front Side 10mm	0.399	0.336	0.049	0.027	0.034	0.433	0.412
		Back Side 10mm	0.505	0.377	0.056	0.051	0.047	0.552	0.484
		Left Edge 10mm	0.157	0.099	0.033	0.009	0.030	0.187	0.141

		Right Edge 10mm	0.095	0.062	0.006	0.020	0.004	0.099	0.088
		Top Edge 10mm	0.038	0.025	0.087	0.102	0.102	0.140	0.214
		Bottom Edge 10mm	0.882	0.609	0.012	0.008	0.006	0.888	0.629
LTE B38	ANT4	Front Side 10mm	0.242	0.242	0.049	0.027	0.034	0.276	0.318
		Back Side 10mm	0.323	0.323	0.056	0.051	0.047	0.370	0.430
		Left Edge 10mm	0.051	0.051	0.033	0.009	0.030	0.081	0.093
		Right Edge 10mm	0.103	0.103	0.006	0.020	0.004	0.107	0.129
		Top Edge 10mm	0.675	0.675	0.087	0.102	0.102	0.777	0.864
		Bottom Edge 10mm	0.038	0.038	0.012	0.008	0.006	0.044	0.058
LTE B38	ANT3	Front Side 10mm	0.358	0.358	0.049	0.027	0.034	0.392	0.434
		Back Side 10mm	0.431	0.431	0.056	0.051	0.047	0.478	0.538
		Left Edge 10mm	0.103	0.103	0.033	0.009	0.030	0.133	0.145
		Right Edge 10mm	0.091	0.091	0.006	0.020	0.004	0.095	0.117
		Top Edge 10mm	0.037	0.037	0.087	0.102	0.102	0.139	0.226
		Bottom Edge 10mm	0.685	0.685	0.012	0.008	0.006	0.691	0.705
LTE B41	ANT4	Front Side 10mm	0.188	0.134	0.049	0.027	0.034	0.222	0.210
		Back Side 10mm	0.260	0.185	0.056	0.051	0.047	0.307	0.292
		Left Edge 10mm	0.078	0.072	0.033	0.009	0.030	0.108	0.114
		Right Edge 10mm	0.060	0.046	0.006	0.020	0.004	0.064	0.072
		Top Edge 10mm	0.517	0.371	0.087	0.102	0.102	0.619	0.560
		Bottom Edge 10mm	0.091	0.072	0.012	0.008	0.006	0.097	0.092
LTE B41	ANT3	Front Side 10mm	0.272	0.176	0.049	0.027	0.034	0.306	0.252
		Back Side 10mm	0.311	0.217	0.056	0.051	0.047	0.358	0.324
		Left Edge 10mm	0.091	0.072	0.033	0.009	0.030	0.121	0.114
		Right Edge 10mm	0.065	0.045	0.006	0.020	0.004	0.069	0.071
		Top Edge 10mm	0.031	0.020	0.087	0.102	0.102	0.133	0.209
		Bottom Edge 10mm	0.608	0.362	0.012	0.008	0.006	0.614	0.382
N5	ANT1	Front Side 10mm	0.090	0.090	0.049	0.027	0.034	0.124	0.166
		Back Side 10mm	0.121	0.121	0.056	0.051	0.047	0.168	0.228
		Left Edge 10mm	0.049	0.049	0.033	0.009	0.030	0.079	0.091
		Right Edge 10mm	0.143	0.143	0.006	0.020	0.004	0.147	0.169
		Top Edge 10mm	0.032	0.032	0.087	0.102	0.102	0.134	0.221
		Bottom Edge 10mm	0.024	0.024	0.012	0.008	0.006	0.030	0.044
N5	ANT0	Front Side 10mm	0.110	0.110	0.049	0.027	0.034	0.144	0.186
		Back Side 10mm	0.196	0.196	0.056	0.051	0.047	0.243	0.303
		Left Edge 10mm	0.005	0.005	0.033	0.009	0.030	0.035	0.047
		Right Edge 10mm	0.096	0.096	0.006	0.020	0.004	0.100	0.122
		Top Edge 10mm	0.006	0.006	0.087	0.102	0.102	0.108	0.195
		Bottom Edge 10mm	0.143	0.143	0.012	0.008	0.006	0.149	0.163
N7	ANT4	Front Side 10mm	0.300	0.175	0.049	0.027	0.034	0.334	0.251
		Back Side 10mm	0.350	0.204	0.056	0.051	0.047	0.397	0.311
		Left Edge 10mm	0.118	0.081	0.033	0.009	0.030	0.148	0.123
		Right Edge 10mm	0.151	0.102	0.006	0.020	0.004	0.155	0.128

		Top Edge 10mm	0.674	0.385	0.087	0.102	0.102	0.776	0.574
		Bottom Edge 10mm	0.022	0.012	0.012	0.008	0.006	0.028	0.032
N7	ANT3	Front Side 10mm	0.097	0.059	0.049	0.027	0.034	0.131	0.135
		Back Side 10mm	0.119	0.082	0.056	0.051	0.047	0.166	0.189
		Left Edge 10mm	0.022	0.016	0.033	0.009	0.030	0.052	0.058
		Right Edge 10mm	0.008	0.004	0.006	0.020	0.004	0.012	0.030
		Top Edge 10mm	0.018	0.012	0.087	0.102	0.102	0.120	0.201
		Bottom Edge 10mm	0.668	0.402	0.012	0.008	0.006	0.674	0.422
N38	ANT4	Front Side 10mm	0.295	0.224	0.049	0.027	0.034	0.329	0.300
		Back Side 10mm	0.362	0.250	0.056	0.051	0.047	0.409	0.357
		Left Edge 10mm	0.102	0.076	0.033	0.009	0.030	0.132	0.118
		Right Edge 10mm	0.164	0.127	0.006	0.020	0.004	0.168	0.153
		Top Edge 10mm	0.789	0.587	0.087	0.102	0.102	0.891	0.776
		Bottom Edge 10mm	0.042	0.028	0.012	0.008	0.006	0.048	0.048
N38	ANT3	Front Side 10mm	0.076	0.051	0.049	0.027	0.034	0.110	0.127
		Back Side 10mm	0.253	0.169	0.056	0.051	0.047	0.300	0.276
		Left Edge 10mm	0.069	0.066	0.033	0.009	0.030	0.099	0.108
		Right Edge 10mm	0.025	0.015	0.006	0.020	0.004	0.029	0.041
		Top Edge 10mm	0.018	0.010	0.087	0.102	0.102	0.120	0.199
		Bottom Edge 10mm	0.556	0.400	0.012	0.008	0.006	0.562	0.420
N41	ANT4	Front Side 10mm	0.254	0.199	0.049	0.027	0.034	0.288	0.275
		Back Side 10mm	0.369	0.268	0.056	0.051	0.047	0.416	0.375
		Left Edge 10mm	0.074	0.061	0.033	0.009	0.030	0.104	0.103
		Right Edge 10mm	0.145	0.098	0.006	0.020	0.004	0.149	0.124
		Top Edge 10mm	0.789	0.593	0.087	0.102	0.102	0.891	0.782
		Bottom Edge 10mm	0.035	0.024	0.012	0.008	0.006	0.041	0.044
N41	ANT3	Front Side 10mm	0.150	0.103	0.049	0.027	0.034	0.184	0.179
		Back Side 10mm	0.397	0.286	0.056	0.051	0.047	0.444	0.393
		Left Edge 10mm	0.077	0.050	0.033	0.009	0.030	0.107	0.092
		Right Edge 10mm	0.045	0.036	0.006	0.020	0.004	0.049	0.062
		Top Edge 10mm	0.065	0.051	0.087	0.102	0.102	0.167	0.240
		Bottom Edge 10mm	0.899	0.640	0.012	0.008	0.006	0.905	0.660
N66	ANT4	Front Side 10mm	0.194	0.147	0.049	0.027	0.034	0.228	0.223
		Back Side 10mm	0.219	0.157	0.056	0.051	0.047	0.266	0.264
		Left Edge 10mm	0.027	0.019	0.033	0.009	0.030	0.057	0.061
		Right Edge 10mm	0.152	0.105	0.006	0.020	0.004	0.156	0.131
		Top Edge 10mm	0.426	0.287	0.087	0.102	0.102	0.528	0.476
		Bottom Edge 10mm	0.028	0.022	0.012	0.008	0.006	0.034	0.042
N66	ANT3	Front Side 10mm	0.488	0.488	0.049	0.027	0.034	0.522	0.564
		Back Side 10mm	0.519	0.519	0.056	0.051	0.047	0.566	0.626
		Left Edge 10mm	0.191	0.191	0.033	0.009	0.030	0.221	0.233
		Right Edge 10mm	0.047	0.047	0.006	0.020	0.004	0.051	0.073
		Top Edge 10mm	0.041	0.041	0.087	0.102	0.102	0.143	0.230

		Bottom Edge 10mm	0.733	0.733	0.012	0.008	0.006	0.739	0.753
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Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.132 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

Band	Antenna	Band	Antenna	Position	Stand alone SAR										SUM SAR					
					1	2	3	4	5	6	7	8	9	10	Sum SAR (3+4)	Sum SAR (3+6)	Sum SAR (3+5+10)	Sum SAR (3+7+10)	Sum SAR (3+8+10)	Sum SAR (3+9+10)
					LTE	NR	ENDC	2.4G WIFI (Chain 0)	2.4G WIFI (Chain 1)	2.4G WIFI (MIMO)	5G WIFI (Chain 0 MAX)	5G WIFI (Chain 1 MAX)	5G WIFI (MIMO)	Bluetooth						
					STAT E3	STAT E3	STAT E3	Level7	Level7	Level7	Level7	Level7	Level7							
LTE B7	ANT4	N5	ANT1	Front Side 10mm	0.211	0.090	0.301	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.378	0.425	0.393	0.433	0.384	0.422
				Back Side 10mm	0.275	0.121	0.396	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.471	0.531	0.509	0.586	0.553	0.559
				Left Edge 10mm	0.047	0.049	0.096	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.153	0.410	0.301	0.414	0.144	0.332
				Right Edge 10mm	0.064	0.143	0.207	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.231	0.213	0.228	0.231	0.258	0.254
				Top Edge 10mm	0.299	0.032	0.331	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.506	0.521	0.438	0.542	0.615	0.649
				Bottom Edge 10mm	0.026	0.024	0.050	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.062	0.053	0.062	0.130	0.064	0.106
LTE B7	ANT3	N5	ANT0	Front Side 10mm	0.197	0.110	0.307	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.384	0.431	0.399	0.439	0.390	0.428
				Back Side 10mm	0.145	0.196	0.341	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.416	0.476	0.454	0.531	0.498	0.504
				Left Edge 10mm	0.037	0.005	0.042	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.099	0.356	0.247	0.360	0.090	0.278
				Right Edge 10mm	0.060	0.096	0.156	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.180	0.162	0.177	0.180	0.207	0.203
				Top Edge 10mm	0.017	0.005	0.022	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.197	0.212	0.129	0.233	0.306	0.340
				Bottom Edge 10mm	0.209	0.143	0.352	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.364	0.355	0.364	0.432	0.366	0.408
LTE B66	ANT4	N5	ANT1	Front Side 10mm	0.036	0.090	0.126	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.203	0.250	0.218	0.258	0.209	0.247
				Back Side 10mm	0.041	0.121	0.162	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.237	0.297	0.275	0.352	0.319	0.325
				Left Edge 10mm	0.009	0.049	0.058	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.115	0.372	0.263	0.376	0.106	0.294
				Right Edge 10mm	0.035	0.143	0.178	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.202	0.184	0.199	0.202	0.229	0.225
				Top Edge 10mm	0.077	0.032	0.109	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.284	0.299	0.216	0.320	0.393	0.427
				Bottom Edge 10mm	0.007	0.024	0.031	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.043	0.034	0.043	0.111	0.045	0.087
LTE B66	ANT3	N5	ANT0	Front Side 10mm	0.136	0.110	0.246	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.323	0.370	0.338	0.378	0.329	0.367
				Back Side 10mm	0.164	0.196	0.360	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.435	0.495	0.473	0.550	0.517	0.523
				Left Edge 10mm	0.057	0.005	0.062	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.119	0.376	0.267	0.380	0.110	0.298
				Right Edge 10mm	0.025	0.096	0.121	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.145	0.127	0.142	0.145	0.172	0.168
				Top Edge 10mm	0.011	0.005	0.016	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.191	0.206	0.123	0.227	0.300	0.334
				Bottom Edge 10mm	0.246	0.143	0.389	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.401	0.392	0.401	0.469	0.403	0.445
LTE B5	ANT0	N7	ANT3	Front Side 10mm	0.039	0.059	0.098	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.175	0.222	0.190	0.230	0.181	0.219
				Back Side 10mm	0.066	0.082	0.148	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.223	0.283	0.261	0.338	0.305	0.311
				Left Edge 10mm	0.025	0.016	0.041	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.098	0.355	0.246	0.359	0.089	0.277
				Right Edge 10mm	0.035	0.004	0.039	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.063	0.045	0.060	0.063	0.090	0.086
				Top Edge 10mm	0.017	0.012	0.029	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.204	0.219	0.136	0.240	0.313	0.347
				Bottom Edge 10mm	0.041	0.402	0.443	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.455	0.446	0.455	0.523	0.457	0.499
LTE B5	ANT1	N7	ANT4	Front Side 10mm	0.093	0.085	0.178	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.255	0.302	0.270	0.310	0.261	0.299
				Back Side 10mm	0.137	0.102	0.239	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.314	0.374	0.352	0.429	0.396	0.402

				Left Edge 10mm	0.031	0.035	0.066	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.123	0.380	0.271	0.384	0.114	0.302
				Right Edge 10mm	0.157	0.041	0.198	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.222	0.204	0.219	0.222	0.249	0.245
				Top Edge 10mm	0.023	0.188	0.211	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.386	0.401	0.318	0.422	0.495	0.529
				Bottom Edge 10mm	0.017	0.013	0.030	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.042	0.033	0.042	0.110	0.044	0.086
LTE B66	ANT4	N7	ANT3	Front Side 10mm	0.136	0.059	0.195	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.272	0.319	0.287	0.327	0.278	0.316
				Back Side 10mm	0.164	0.082	0.246	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.321	0.381	0.359	0.436	0.403	0.409
				Left Edge 10mm	0.057	0.016	0.073	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.130	0.387	0.278	0.391	0.121	0.309
				Right Edge 10mm	0.025	0.004	0.029	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.053	0.035	0.050	0.053	0.080	0.076
				Top Edge 10mm	0.011	0.012	0.023	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.198	0.213	0.130	0.234	0.307	0.341
				Bottom Edge 10mm	0.246	0.402	0.648	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.660	0.651	0.660	0.728	0.662	0.704
LTE B66	ANT1	N7	ANT1	Front Side 10mm	0.066	0.091	0.157	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.234	0.281	0.249	0.289	0.240	0.278
				Back Side 10mm	0.105	0.135	0.240	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.315	0.375	0.353	0.430	0.397	0.403
				Left Edge 10mm	0.043	0.016	0.059	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.116	0.373	0.264	0.377	0.107	0.295
				Right Edge 10mm	0.243	0.173	0.416	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.440	0.422	0.437	0.440	0.467	0.463
				Top Edge 10mm	0.043	0.028	0.071	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.246	0.261	0.178	0.282	0.355	0.389
				Bottom Edge 10mm	0.015	0.012	0.027	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.039	0.030	0.039	0.107	0.041	0.083
LTE B26	ANT0	N41	ANT3	Front Side 10mm	0.090	0.055	0.145	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.222	0.269	0.237	0.277	0.228	0.266
				Back Side 10mm	0.148	0.117	0.265	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.340	0.400	0.378	0.455	0.422	0.428
				Left Edge 10mm	0.029	0.020	0.049	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.106	0.363	0.254	0.367	0.097	0.285
				Right Edge 10mm	0.055	0.024	0.079	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.103	0.085	0.100	0.103	0.130	0.126
				Top Edge 10mm	0.009	0.027	0.036	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.211	0.226	0.143	0.247	0.320	0.354
				Bottom Edge 10mm	0.070	0.290	0.360	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.372	0.363	0.372	0.440	0.374	0.416
LTE B26	ANT1	N41	ANT4	Front Side 10mm	0.070	0.098	0.168	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.245	0.292	0.260	0.300	0.251	0.289
				Back Side 10mm	0.110	0.108	0.218	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.293	0.353	0.331	0.408	0.375	0.381
				Left Edge 10mm	0.041	0.024	0.065	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.122	0.379	0.270	0.383	0.113	0.301
				Right Edge 10mm	0.085	0.038	0.123	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.147	0.129	0.144	0.147	0.174	0.170
				Top Edge 10mm	0.032	0.247	0.279	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.454	0.469	0.386	0.490	0.563	0.597
				Bottom Edge 10mm	0.019	0.013	0.032	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.044	0.035	0.044	0.112	0.046	0.088
LTE B2	ANT4	N66	ANT3	Front Side 10mm	0.196	0.433	0.629	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.706	0.753	0.721	0.761	0.712	0.750
				Back Side 10mm	0.206	0.463	0.669	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.744	0.804	0.782	0.859	0.826	0.832
				Left Edge 10mm	0.036	0.169	0.205	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.262	0.519	0.410	0.523	0.253	0.441
				Right Edge 10mm	0.164	0.040	0.204	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.228	0.210	0.225	0.228	0.255	0.251
				Top Edge 10mm	0.411	0.036	0.447	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.622	0.637	0.554	0.658	0.731	0.765
				Bottom Edge 10mm	0.006	0.629	0.635	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.647	0.638	0.647	0.715	0.649	0.691
LTE B7	ANT4	N66	ANT3	Front Side 10mm	0.167	0.433	0.600	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.677	0.724	0.692	0.732	0.683	0.721
				Back Side 10mm	0.238	0.463	0.701	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.776	0.836	0.814	0.891	0.858	0.864
				Left Edge 10mm	0.046	0.169	0.215	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.272	0.529	0.420	0.533	0.263	0.451
				Right Edge 10mm	0.103	0.040	0.143	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.167	0.149	0.164	0.167	0.194	0.190
				Top Edge 10mm	0.525	0.036	0.561	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.736	0.751	0.668	0.772	0.845	0.879
				Bottom Edge 10mm	0.018	0.629	0.647	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.659	0.650	0.659	0.727	0.661	0.703
LTE B7	ANT1	N66	ANT1	Front Side 10mm	0.067	0.157	0.224	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.301	0.348	0.316	0.356	0.307	0.345
				Back Side 10mm	0.095	0.215	0.310	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.385	0.445	0.423	0.500	0.467	0.473
				Left Edge 10mm	0.011	0.012	0.023	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.080	0.337	0.228	0.341	0.071	0.259

				Right Edge 10mm	0.161	0.458	0.619	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.643	0.625	0.640	0.643	0.670	0.666
				Top Edge 10mm	0.022	0.021	0.043	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.218	0.233	0.150	0.254	0.327	0.361
				Bottom Edge 10mm	0.013	0.005	0.018	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.030	0.021	0.030	0.098	0.032	0.074
LTE B5	ANT0	N66	ANT3	Front Side 10mm	0.039	0.433	0.472	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.549	0.596	0.564	0.604	0.555	0.593
				Back Side 10mm	0.066	0.463	0.529	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.604	0.664	0.642	0.719	0.686	0.692
				Left Edge 10mm	0.025	0.169	0.194	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.251	0.508	0.399	0.512	0.242	0.430
				Right Edge 10mm	0.035	0.040	0.075	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.099	0.081	0.096	0.099	0.126	0.122
				Top Edge 10mm	0.017	0.036	0.053	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.228	0.243	0.160	0.264	0.337	0.371
				Bottom Edge 10mm	0.041	0.629	0.670	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.682	0.673	0.682	0.750	0.684	0.726
LTE B5	ANT1	N66	ANT4	Front Side 10mm	0.093	0.050	0.143	0.077	0.058	0.124	0.098	0.049	0.087	0.034	0.220	0.267	0.235	0.275	0.226	0.264
				Back Side 10mm	0.137	0.083	0.220	0.075	0.066	0.135	0.143	0.110	0.116	0.047	0.295	0.355	0.333	0.410	0.377	0.383
				Left Edge 10mm	0.031	0.007	0.038	0.057	0.175	0.314	0.288	0.018	0.206	0.030	0.095	0.352	0.243	0.356	0.086	0.274
				Right Edge 10mm	0.157	0.054	0.211	0.024	0.017	0.006	0.020	0.047	0.043	0.004	0.235	0.217	0.232	0.235	0.262	0.258
				Top Edge 10mm	0.023	0.124	0.147	0.175	0.005	0.190	0.109	0.182	0.216	0.102	0.322	0.337	0.254	0.358	0.431	0.465
				Bottom Edge 10mm	0.017	0.007	0.024	0.012	0.006	0.003	0.074	0.008	0.050	0.006	0.036	0.027	0.036	0.104	0.038	0.080

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

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

Band	Antenna	Band	Antenna	Position	Stand alone SAR					Sum SAR (3+4+8)
					1	2	3	4	5	
					LTE	NR	ENDC	2.4G WIFI (Chain0)	5G WIFI (Chain1 MAX)	
		STATE5	STATE5	STATE5	LEVEL8	LEVEL8				
LTE B7	ANT4	N5	ANT1	Front Side 10mm	0.211	0.090	0.301	0.049	0.027	0.377
				Back Side 10mm	0.275	0.121	0.396	0.056	0.051	0.503
				Left Edge 10mm	0.047	0.049	0.096	0.033	0.009	0.138
				Right Edge 10mm	0.064	0.143	0.207	0.006	0.020	0.233
				Top Edge 10mm	0.299	0.032	0.331	0.087	0.102	0.520
				Bottom Edge 10mm	0.026	0.024	0.050	0.012	0.008	0.070
LTE B7	ANT3	N5	ANT0	Front Side 10mm	0.197	0.064	0.261	0.049	0.027	0.337
				Back Side 10mm	0.145	0.131	0.276	0.056	0.051	0.383
				Left Edge 10mm	0.037	0.004	0.041	0.033	0.009	0.083
				Right Edge 10mm	0.060	0.055	0.115	0.006	0.020	0.141
				Top Edge 10mm	0.017	0.004	0.021	0.087	0.102	0.210
				Bottom Edge 10mm	0.209	0.094	0.303	0.012	0.008	0.323
LTE B66	ANT4	N5	ANT1	Front Side 10mm	0.036	0.090	0.126	0.049	0.027	0.202
				Back Side 10mm	0.041	0.121	0.162	0.056	0.051	0.269
				Left Edge 10mm	0.009	0.049	0.058	0.033	0.009	0.100
				Right Edge 10mm	0.035	0.143	0.178	0.006	0.020	0.204
				Top Edge 10mm	0.077	0.032	0.109	0.087	0.102	0.298
				Bottom Edge 10mm	0.007	0.024	0.031	0.012	0.008	0.051
LTE B66	ANT3	N5	ANT0	Front Side 10mm	0.136	0.064	0.200	0.049	0.027	0.276
				Back Side 10mm	0.164	0.131	0.295	0.056	0.051	0.402
				Left Edge 10mm	0.057	0.004	0.061	0.033	0.009	0.103
				Right Edge 10mm	0.025	0.055	0.080	0.006	0.020	0.106
				Top Edge 10mm	0.011	0.004	0.015	0.087	0.102	0.204
				Bottom Edge 10mm	0.246	0.094	0.340	0.012	0.008	0.360
LTE B5	ANT0	N7	ANT3	Front Side 10mm	0.039	0.031	0.070	0.049	0.027	0.146
				Back Side 10mm	0.066	0.040	0.106	0.056	0.051	0.213
				Left Edge 10mm	0.025	0.007	0.032	0.033	0.009	0.074
				Right Edge 10mm	0.035	0.002	0.037	0.006	0.020	0.063
				Top Edge 10mm	0.017	0.007	0.024	0.087	0.102	0.213
				Bottom Edge 10mm	0.041	0.196	0.237	0.012	0.008	0.257
LTE B5	ANT1	N7	ANT4	Front Side 10mm	0.093	0.085	0.178	0.049	0.027	0.254
				Back Side 10mm	0.137	0.102	0.239	0.056	0.051	0.346
				Left Edge 10mm	0.031	0.035	0.066	0.033	0.009	0.108
				Right Edge 10mm	0.157	0.041	0.198	0.006	0.020	0.224
				Top Edge 10mm	0.023	0.188	0.211	0.087	0.102	0.400
				Bottom Edge 10mm	0.017	0.013	0.030	0.012	0.008	0.050

LTE B66	ANT4	N7	ANT3	Front Side 10mm	0.136	0.031	0.167	0.049	0.027	0.243
				Back Side 10mm	0.164	0.040	0.204	0.056	0.051	0.311
				Left Edge 10mm	0.057	0.007	0.064	0.033	0.009	0.106
				Right Edge 10mm	0.025	0.002	0.027	0.006	0.020	0.053
				Top Edge 10mm	0.011	0.007	0.018	0.087	0.102	0.207
				Bottom Edge 10mm	0.246	0.196	0.442	0.012	0.008	0.462
LTE B66	ANT1	N7	ANT1	Front Side 10mm	0.066	0.085	0.151	0.049	0.027	0.227
				Back Side 10mm	0.105	0.102	0.207	0.056	0.051	0.314
				Left Edge 10mm	0.043	0.035	0.078	0.033	0.009	0.120
				Right Edge 10mm	0.243	0.041	0.284	0.006	0.020	0.310
				Top Edge 10mm	0.043	0.188	0.231	0.087	0.102	0.420
				Bottom Edge 10mm	0.015	0.013	0.028	0.012	0.008	0.048
LTE B26	ANT0	N41	ANT3	Front Side 10mm	0.090	0.055	0.145	0.049	0.027	0.221
				Back Side 10mm	0.148	0.117	0.265	0.056	0.051	0.372
				Left Edge 10mm	0.029	0.020	0.049	0.033	0.009	0.091
				Right Edge 10mm	0.055	0.024	0.079	0.006	0.020	0.105
				Top Edge 10mm	0.009	0.027	0.036	0.087	0.102	0.225
				Bottom Edge 10mm	0.070	0.290	0.360	0.012	0.008	0.380
LTE B26	ANT1	N41	ANT4	Front Side 10mm	0.070	0.098	0.168	0.049	0.027	0.244
				Back Side 10mm	0.110	0.108	0.218	0.056	0.051	0.325
				Left Edge 10mm	0.041	0.024	0.065	0.033	0.009	0.107
				Right Edge 10mm	0.085	0.038	0.123	0.006	0.020	0.149
				Top Edge 10mm	0.032	0.247	0.279	0.087	0.102	0.468
				Bottom Edge 10mm	0.019	0.013	0.032	0.012	0.008	0.052
LTE B2	ANT4	N66	ANT3	Front Side 10mm	0.196	0.198	0.394	0.049	0.027	0.470
				Back Side 10mm	0.206	0.208	0.414	0.056	0.051	0.521
				Left Edge 10mm	0.036	0.076	0.112	0.033	0.009	0.154
				Right Edge 10mm	0.164	0.018	0.182	0.006	0.020	0.208
				Top Edge 10mm	0.411	0.000	0.411	0.087	0.102	0.600
				Bottom Edge 10mm	0.006	0.394	0.400	0.012	0.008	0.420
LTE B7	ANT4	N66	ANT3	Front Side 10mm	0.167	0.198	0.365	0.049	0.027	0.441
				Back Side 10mm	0.238	0.208	0.446	0.056	0.051	0.553
				Left Edge 10mm	0.046	0.076	0.122	0.033	0.009	0.164
				Right Edge 10mm	0.103	0.018	0.121	0.006	0.020	0.147
				Top Edge 10mm	0.525	0.000	0.525	0.087	0.102	0.714
				Bottom Edge 10mm	0.018	0.394	0.412	0.012	0.008	0.432
LTE B7	ANT1	N66	ANT1	Front Side 10mm	0.067	0.088	0.155	0.049	0.027	0.231
				Back Side 10mm	0.095	0.116	0.211	0.056	0.051	0.318
				Left Edge 10mm	0.011	0.004	0.015	0.033	0.009	0.057
				Right Edge 10mm	0.161	0.254	0.415	0.006	0.020	0.441
				Top Edge 10mm	0.022	0.014	0.036	0.087	0.102	0.225
				Bottom Edge 10mm	0.013	0.003	0.016	0.012	0.008	0.036
LTE B5	ANT0	N66	ANT3	Front Side 10mm	0.039	0.198	0.237	0.049	0.027	0.313

				Back Side 10mm	0.066	0.208	0.274	0.056	0.051	0.381
				Left Edge 10mm	0.025	0.076	0.101	0.033	0.009	0.143
				Right Edge 10mm	0.035	0.018	0.053	0.006	0.020	0.079
				Top Edge 10mm	0.017	0.000	0.017	0.087	0.102	0.206
				Bottom Edge 10mm	0.041	0.394	0.435	0.012	0.008	0.455
LTE B5	ANT1	N66	ANT4	Front Side 10mm	0.093	0.050	0.143	0.049	0.027	0.219
				Back Side 10mm	0.137	0.083	0.220	0.056	0.051	0.327
				Left Edge 10mm	0.031	0.007	0.038	0.033	0.009	0.080
				Right Edge 10mm	0.157	0.054	0.211	0.006	0.020	0.237
				Top Edge 10mm	0.023	0.124	0.147	0.087	0.102	0.336
				Bottom Edge 10mm	0.017	0.007	0.024	0.012	0.008	0.044

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

13.2.17 Hotspot Simultaneous Transmission SAR Evaluation for WLAN and Bluetooth

Position	Stand alone SAR							Sum SAR				
	1	2	3	4	5	6	7	Sum SAR (1+7)	Sum SAR (4+7)	Sum SAR (5+7)	Sum SAR (6+7)	Sum SAR (1+5)
	2.4G WIFI (Chain0) Level6	2.4G WIFI (Chain1) Level6	2.4G WIFI (MIMO) Level6	5G WIFI (Chain0 MAX) Level6	5G WIFI (Chain1 MAX) Level6	5G WIFI (MIMO MAX) Level6	Bluetooth					
Front Side 10mm	0.158	0.116	0.168	0.098	0.062	0.106	0.034	0.192	0.132	0.096	0.140	0.220
Back Side 10mm	0.183	0.120	0.185	0.143	0.125	0.203	0.047	0.230	0.190	0.172	0.250	0.308
Left Edge 10mm	0.108	0.344	0.449	0.288	0.041	0.231	0.030	0.138	0.318	0.071	0.261	0.149
Right Edge 10mm	0.013	0.026	0.012	0.024	0.013	0.059	0.004	0.017	0.028	0.017	0.063	0.026
Top Edge 10mm	0.328	0.014	0.293	0.109	0.218	0.361	0.102	0.430	0.211	0.320	0.463	0.546
Bottom Edge 10mm	0.008	0.017	0.005	0.074	0.027	0.056	0.006	0.014	0.080	0.033	0.062	0.035

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

13.2.18 Specific Simultaneous Transmission SAR Evaluation for WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR				Sum SAR		
			1	2	3	4	Sum SAR (1+2)	Sum SAR (1+3)	Sum SAR (1+4)
			WWAN	5G WIFI (Chain0 MAX)	5G WIFI (Chain1 MAX)	5G WIFI (MIMO MAX)			
			STATE3	LEVEL7	LEVEL7	LEVEL7			
WCDMA B2	Ant.4	Top Edge 0mm	2.372	0.044	0.501	0.571	2.416	2.873	2.943
WCDMA B4	Ant.3	Bottom Edge 0mm	1.951	0.032	0.009	0.031	1.983	1.960	1.982
LTE B4	Ant.3	Bottom Edge 0mm	1.760	0.032	0.009	0.031	1.792	1.769	1.791
LTE B7	Ant.4	Top Edge 0mm	1.652	0.044	0.501	0.571	1.696	2.153	2.223
LTE B7	Ant.3	Bottom Edge 0mm	2.052	0.032	0.009	0.031	2.084	2.061	2.083
LTE B66	Ant.3	Bottom Edge 0mm	1.199	0.032	0.009	0.031	1.231	1.208	1.230
LTE B41	Ant.3	Bottom Edge 0mm	1.512	0.032	0.009	0.031	1.544	1.521	1.543
N7	Ant.4	Top Edge 0mm	1.909	0.044	0.501	0.571	1.953	2.410	2.480
N7	Ant.3	Bottom Edge 0mm	0.993	0.032	0.009	0.031	1.025	1.002	1.024
N38	Ant.4	Top Edge 0mm	1.571	0.044	0.501	0.571	1.615	2.072	2.142
N38	Ant.3	Bottom Edge 0mm	1.373	0.032	0.009	0.031	1.405	1.382	1.404
N41	Ant.4	Top Edge 0mm	1.822	0.044	0.501	0.571	1.866	2.323	2.393
N41	Ant.3	Bottom Edge 0mm	1.251	0.032	0.009	0.031	1.283	1.260	1.282
N66	Ant.3	Bottom Edge 0mm	1.751	0.032	0.009	0.031	1.783	1.760	1.782

Note:

1: The simultaneous transmission combinations of the three antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 10g SAR is 2.943 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	16.0.0.116	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	2022/07/04	2023/07/03
Data Acquisition Electronicsr	Speag	DAE4	SN: 878	2022/06/13	2023/06/12
Signal Generator	R&S	SMB100A	177746	2022/05/19	2023/05/18
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2022/09/06	2023/09/05
Power Sensor	R&S	NRV-Z4	100381	2022/09/06	2023/09/05
Power Sensor	R&S	NRV-Z2	100211	2022/09/06	2023/09/05
Wireless Communication Test Set	Anritsu	MT8820C	6201524635	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
Thermometer	Elitech	RC-4HC	EF720B004813	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
Phantom	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 a DAK3.5 Dielectric Probe Kit.

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance	Permittivity Tolerance
2023.03.02	Head	750	21.1	0.89	41.24	0.89	41.94	0.00%	-1.67%
2023.03.03	Head	750	21.3	0.90	43.06	0.89	41.94	1.12%	2.67%
2023.03.04	Head	835	21.2	0.91	40.99	0.90	41.50	1.11%	-1.23%
2023.03.05	Head	835	20.9	0.88	41.31	0.90	41.50	-2.22%	-0.46%
2023.03.06	Head	835	21	0.88	41.51	0.90	41.50	-2.22%	0.02%
2023.03.07	Head	1750	21.1	1.40	41.21	1.37	40.08	2.19%	2.82%
2023.03.08	Head	1750	20.8	1.39	38.92	1.37	40.08	1.46%	-2.89%
2023.03.09	Head	1750	21.4	1.33	39.75	1.37	40.08	-2.92%	-0.82%
2023.03.10	Head	1750	21.1	1.37	40.85	1.37	40.08	0.00%	1.92%
2023.03.11	Head	1750	21.4	1.36	40.69	1.37	40.08	-0.73%	1.52%
2023.03.12	Head	1750	21	1.37	39.11	1.37	40.08	0.00%	-2.42%
2023.03.13	Head	1900	21.2	1.44	40.13	1.40	40.00	2.86%	0.33%
2023.04.07	Head	1900	20.9	1.39	40.26	1.40	40.00	-0.71%	0.65%
2023.04.08	Head	1900	21	1.38	39.33	1.40	40.00	-1.43%	-1.68%
2023.04.11	Head	1900	21.3	1.38	39.84	1.40	40.00	-1.43%	-0.40%
2023.04.09	Head	2600	21.1	1.96	37.91	1.96	39.01	0.00%	-2.82%
2023.04.12	Head	2600	21.1	1.91	39.27	1.96	39.01	-2.55%	0.67%
2023.03.19	Head	2600	21.3	1.96	39.12	1.96	39.01	0.00%	0.28%
2023.03.20	Head	2600	21.1	2.01	38.64	1.96	39.01	2.55%	-0.95%
2023.03.21	Head	2600	21.2	1.97	38.28	1.96	39.01	0.51%	-1.87%
2023.03.22	Head	2600	20.9	1.91	39.03	1.96	39.01	-2.55%	0.05%
2023.03.23	Head	2600	21.4	1.99	37.72	1.96	39.01	1.53%	-3.31%
2023.03.24	Head	2600	21.1	1.97	39.08	1.96	39.01	0.51%	0.18%
2023.03.25	Head	2600	21	1.99	37.84	1.96	39.01	1.53%	-3.00%
2023.03.26	Head	2600	21.2	1.96	39.58	1.96	39.01	0.00%	1.46%
2023.03.27	Head	2600	20.9	1.99	39.15	1.96	39.01	1.53%	0.36%
2023.03.28	Head	2600	20.9	1.97	40.28	1.96	39.01	0.51%	3.26%
2023.03.29	Head	5250	21.4	4.70	35.79	4.71	35.93	-0.21%	-0.39%
2023.03.30	Head	5250	21.3	4.73	36.12	4.71	35.93	0.42%	0.53%
2023.03.30	Head	5600	21.1	5.06	35.33	5.07	35.53	-0.20%	-0.56%
2023.03.31	Head	5750	21.7	5.17	35.61	5.22	35.36	-0.96%	0.71%
2023.04.01	Head	5750	21.2	5.24	35.24	5.22	35.36	0.38%	-0.34%

2023.04.10	Head	2600	21.2	2.01	38.60	1.96	39.01	2.55%	-1.05%
2023.04.13	Head	2450	21.2	1.78	39.32	1.80	39.20	-1.11%	0.31%
2023.04.14	Head	2600	21.4	1.96	38.62	1.96	39.01	0.00%	-1.00%
2023.04.15	Head	2600	21.3	2.02	37.95	1.96	39.01	3.06%	-2.72%
2023.04.16	Head	1750	21.1	1.38	39.46	1.37	40.08	0.73%	-1.55%

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

ANNEX B SYSTEM CHECK RESULT

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

Head Liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance
2023.03.02	Head	750	100	0.87	8.65	8.29	4.34%
2023.03.03	Head	750	100	0.84	8.41	8.29	1.45%
2023.03.04	Head	835	100	0.95	9.45	9.76	-3.18%
2023.03.05	Head	835	100	0.95	9.53	9.76	-2.36%
2023.03.06	Head	835	100	0.97	9.67	9.76	-0.92%
2023.03.07	Head	1750	100	3.77	37.70	36.7	2.72%
2023.03.08	Head	1750	100	3.50	35.00	36.7	-4.63%
2023.03.09	Head	1750	100	3.53	35.30	36.7	-3.81%
2023.03.10	Head	1750	100	3.68	36.80	36.7	0.27%
2023.03.11	Head	1750	100	3.82	38.20	36.7	4.09%
2023.03.12	Head	1750	100	3.71	37.10	36.7	1.09%
2023.03.13	Head	1900	100	3.98	39.80	40.3	-1.24%
2023.04.07	Head	1900	100	4.07	40.70	40.3	0.99%
2023.04.08	Head	1900	100	4.13	41.30	40.3	2.48%
2023.04.11	Head	1900	100	3.88	38.80	40.3	-3.72%
2023.04.09	Head	2600	100	5.59	55.90	56.8	-1.58%
2023.04.12	Head	2600	100	5.77	57.70	56.8	1.58%
2023.03.19	Head	2600	100	5.83	58.30	56.8	2.64%
2023.03.20	Head	2600	100	5.94	59.40	56.8	4.58%
2023.03.21	Head	2600	100	5.41	54.10	56.8	-4.75%
2023.03.22	Head	2600	100	5.61	56.10	56.8	-1.23%
2023.03.23	Head	2600	100	5.67	56.70	56.8	-0.18%
2023.03.24	Head	2600	100	5.74	57.40	56.8	1.06%
2023.03.25	Head	2600	100	5.70	57.00	56.8	0.35%
2023.03.26	Head	2600	100	5.65	56.50	56.8	-0.53%
2023.03.27	Head	2600	100	5.84	58.40	56.8	2.82%
2023.03.28	Head	2600	100	5.91	59.10	56.8	4.05%
2023.03.29	Head	5250	100	7.85	78.50	77.8	0.90%
2023.03.30	Head	5250	100	8.07	80.70	77.8	3.73%
2023.03.30	Head	5600	100	8.12	81.20	81.2	0.00%
2023.03.31	Head	5750	100	7.87	78.70	77.2	1.94%
2023.04.01	Head	5750	100	7.66	76.60	77.2	-0.78%
2023.04.10	Head	2600	100	5.85	58.50	56.8	2.99%
2023.04.13	Head	2450	100	5.51	55.10	53	3.96%

2023.04.14	Head	2600	100	5.88	58.80	56.8	3.52%
2023.04.15	Head	2600	100	5.77	57.70	56.8	1.58%
2023.04.16	Head	1750	100	3.77	37.70	36.7	2.72%

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

Head Liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance
2023.03.07	Head	1750	100	1.96	19.60	19.10	2.62%
2023.03.08	Head	1750	100	1.82	18.20	19.10	-4.71%
2023.03.10	Head	1750	100	1.84	18.40	19.10	-3.66%
2023.04.07	Head	1900	100	2.11	21.10	20.30	3.94%
2023.04.09	Head	2600	100	2.45	24.50	24.80	-1.21%
2023.03.21	Head	2600	100	2.38	23.80	24.80	-4.03%
2023.03.29	Head	5250	100	2.24	22.40	22.10	1.36%
2023.03.30	Head	5600	100	2.29	22.90	23.10	-0.87%
2023.04.14	Head	2600	100	2.63	26.30	24.80	6.05%
2023.04.15	Head	2600	100	2.59	25.90	24.80	4.44%
2023.04.16	Head	1750	100	2.01	20.10	19.10	5.24%

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

System Performance Check Data (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 [°C]	Liquid Temperature [°C]
Flat, HSL		CD700	CW, 0--	750.0, 100	10.96	0.888	41.2	22.3	21.1

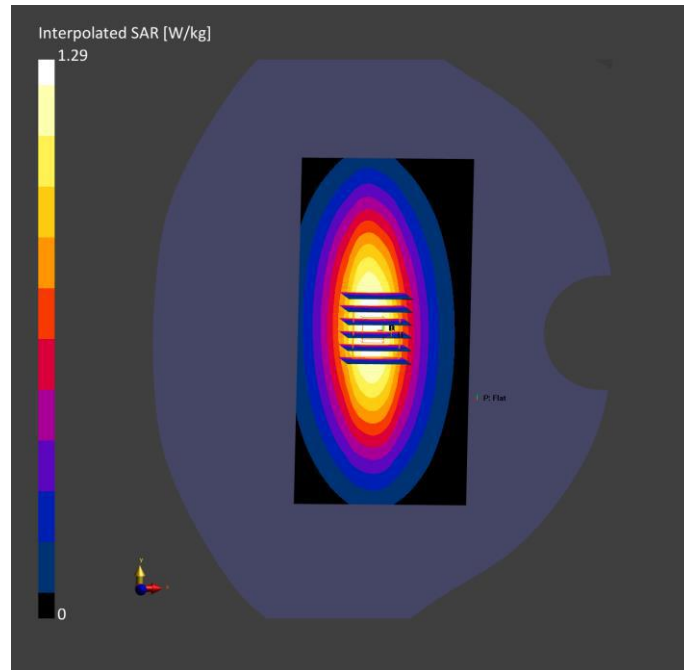
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-03-02	EX3DV4 - SN7607, 2022-07-04	DAE4 Sn878, 2022-06-13

Scan Setup

Measurement Results

	Area Scan	Zoom Scan		Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0	Date	2023-03-02	2023-03-02
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5	psSAR1g [W/kg]	0.840	0.865
Sensor Surface [mm]	3.0	1.4	psSAR10g [W/kg]	0.562	0.553
Graded Grid	Yes	Yes	Power Drift [dB]	-0.06	-0.01
Grading Ratio	1.5	1.5	Power	Disabled	Disabled
MAIA	N/A	N/A	Scaling		
Surface Detection	VMS + 6p	VMS + 6p	Scaling Factor [dB]		
Scan Method	Measured	Measured	TSL Correction	No correction	No correction
			M2/M1 [%]		86.0
			Dist 3dB Peak [mm]		20.4



System Performance Check Data (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 [°C]	Liquid Temperature [°C]
Flat, HSL		CD700	CW, 0--	750.0, 100	10.96	0.904	43.1	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 2023-03-03	EX3DV4 - SN7607, 2022-07-04	DAE4 Sn878, 2022-06-13

Scan Setup

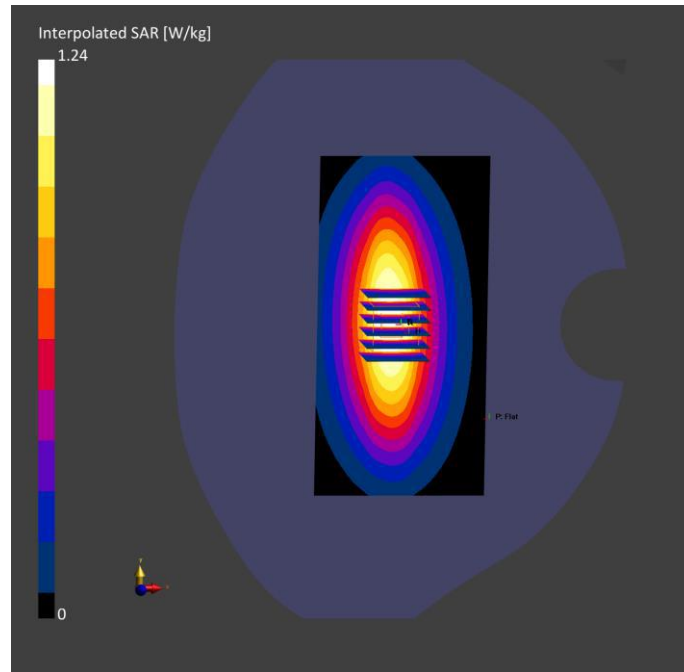
Area Scan Zoom Scan

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	2023-03-03	2023-03-03
psSAR1g [W/kg]	0.803	0.841
psSAR10g [W/kg]	0.537	0.542
Power Drift [dB]	-0.16	-0.01
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		87.3
Dist 3dB Peak [mm]		20.4



System Performance Check Data (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, TSL Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		CD835	CW, 0--	835.0, 50	10.44	0.913	41.0	22.4	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 2023-03-04	EX3DV4 - SN7607, 2022-07-04	DAE4 Sn878, 2022-06-13

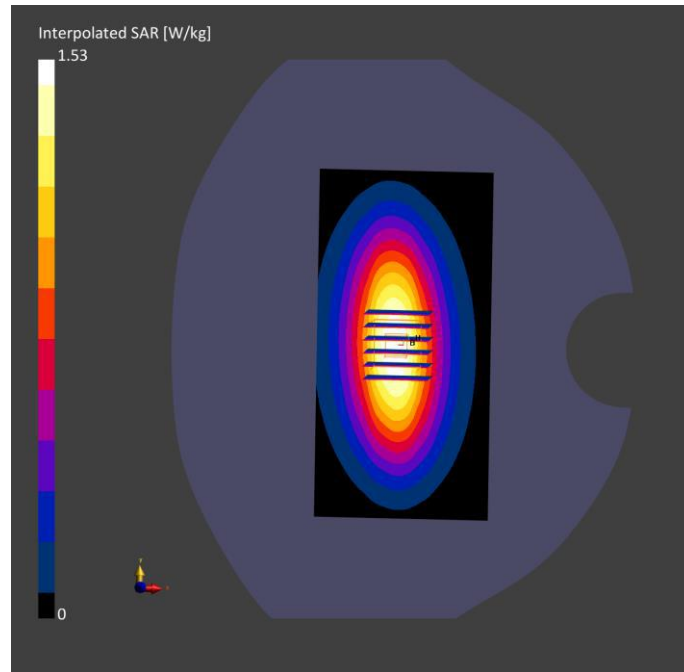
Scan Setup

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	2023-03-04	2023-03-04
psSAR1g [W/kg]	1.01	0.945
psSAR10g [W/kg]	0.645	0.617
Power Drift [dB]	-0.02	0.01
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.8
Dist 3dB Peak [mm]		13.2



System Performance Check Data (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, TSL Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		CD835	CW, 0--	835.0, 50	10.44	0.884	41.3	21.1	20.9

Hardware Setup

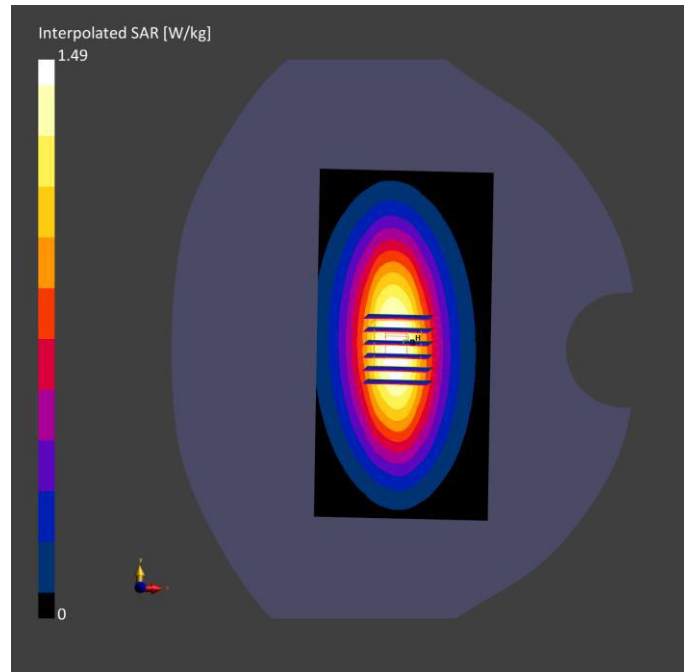
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-03-05	EX3DV4 - SN7607, 2022-07-04	DAE4 Sn878, 2022-06-13

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	2023-03-05	2023-03-05
psSAR1g [W/kg]	0.982	0.953
psSAR10g [W/kg]	0.625	0.628
Power Drift [dB]	-0.01	0.00
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		85.9
Dist 3dB Peak [mm]		13.2



System Performance Check Data (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 [°C]	Liquid Temperature [°C]
Flat, HSL		CD835	CW, 0--	835.0, 50	10.44	0.883	41.5	22.0	21.0

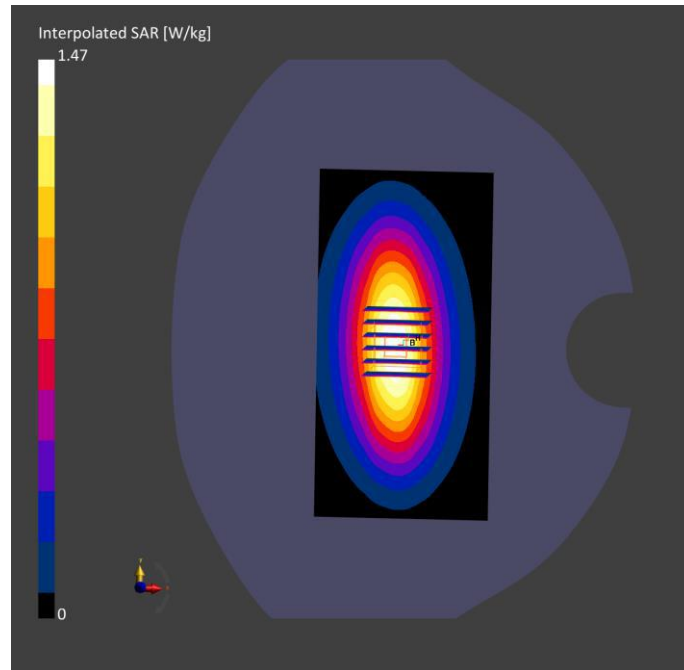
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-03-06	EX3DV4 - SN7607, 2022-07-04	DAE4 Sn878, 2022-06-13

Scan Setup

Measurement Results

	Area Scan	Zoom Scan		Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0	Date	2023-03-06	2023-03-06
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5	psSAR1g [W/kg]	0.992	0.967
Sensor Surface [mm]	3.0	1.4	psSAR10g [W/kg]	0.631	0.641
Graded Grid	Yes	Yes	Power Drift [dB]	-0.00	0.02
Grading Ratio	1.5	1.5	Power	Disabled	Disabled
MAIA	N/A	N/A	Scaling		
Surface Detection	VMS + 6p	VMS + 6p	Scaling Factor [dB]		
Scan Method	Measured	Measured	TSL Correction	No correction	No correction
			M2/M1 [%]		84.8
			Dist 3dB Peak [mm]		13.2



System Performance Check Data (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, TSL Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		D1750	CW, 0--	1750.0, 50	8.69	1.40	41.2	22.3	21.1

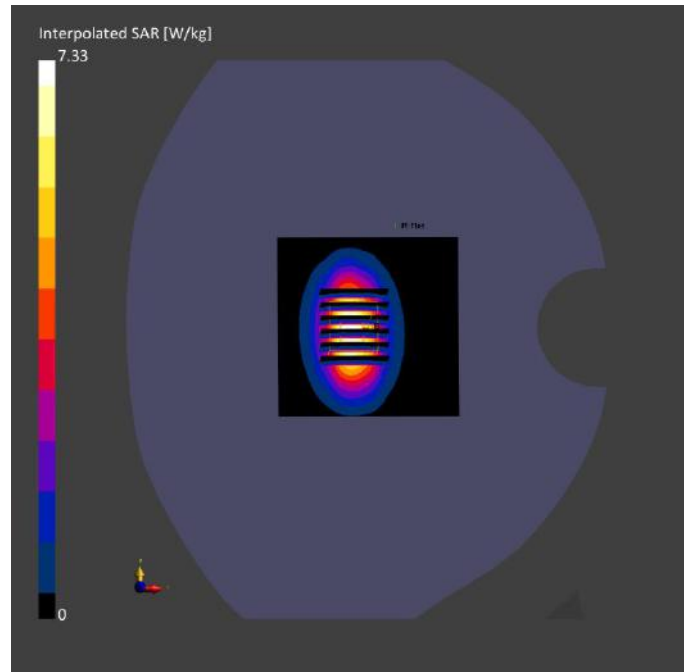
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-03-07	EX3DV4 - SN7607, 2022-07-04	DAE4 Sn878, 2022-06-13

Scan Setup

Measurement Results

	Area Scan	Zoom Scan		Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0	Date	2023-03-07	2023-03-07
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5	psSAR1g [W/kg]	4.01	3.77
Sensor Surface [mm]	3.0	1.4	psSAR10g [W/kg]	2.17	1.96
Graded Grid	Yes	Yes	Power Drift [dB]	-0.03	-0.07
Grading Ratio	1.5	1.5	Power	Disabled	Disabled
MAIA	N/A	N/A	Scaling		
Surface Detection	VMS + 6p	VMS + 6p	Scaling Factor [dB]		
Scan Method	Measured	Measured	TSL Correction	No correction	No correction
			M2/M1 [%]		82.3
			Dist 3dB Peak [mm]		9.9



System Performance Check Data (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, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		D1750	CW, 0--	1750.0, 50	8.69	1.39	38.9	22.1	20.8

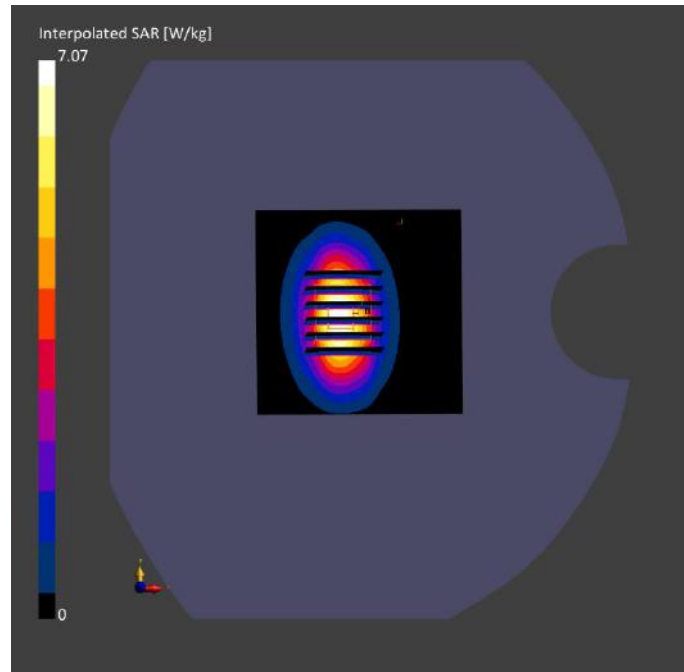
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-03-08	EX3DV4 - SN7607, 2022-07-04	DAE4 Sn878, 2022-06-13

Scan Setup

Measurement Results

	Area Scan	Zoom Scan		Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0	Date	2023-03-08	2023-03-08
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5	psSAR1g [W/kg]	3.77	3.50
Sensor Surface [mm]	3.0	1.4	psSAR10g [W/kg]	2.05	1.82
Graded Grid	Yes	Yes	Power Drift [dB]	-0.06	-0.01
Grading Ratio	1.5	1.5	Power	Disabled	Disabled
MAIA	N/A	N/A	Scaling		
Surface Detection	VMS + 6p	VMS + 6p	Scaling Factor [dB]		
Scan Method	Measured	Measured	TSL Correction	No correction	No correction
			M2/M1 [%]		81.9
			Dist 3dB Peak [mm]		10.7



System Performance Check Data (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, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		D1750	CW, 0--	1750.0, 50	8.69	1.33	39.7	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 2023-03-09	EX3DV4 - SN7607, 2022-07-04	DAE4 Sn878, 2022-06-13

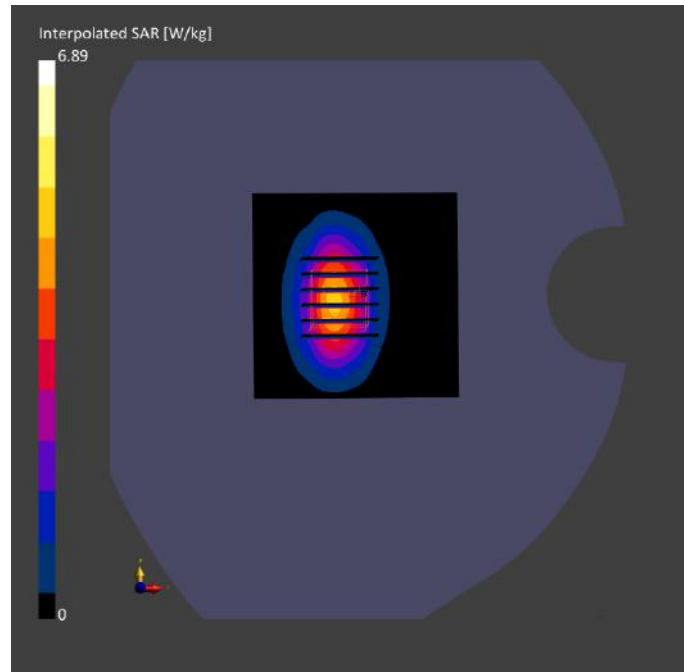
Scan Setup

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	2023-03-09	2023-03-09
psSAR1g [W/kg]	3.94	3.53
psSAR10g [W/kg]	2.13	1.86
Power Drift [dB]	-0.08	-0.05
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.9
Dist 3dB Peak [mm]		10.3



System Performance Check Data (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, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		D1750	CW, 0--	1750.0, 50	8.69	1.37	40.9	22.0	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 2023-03-10	EX3DV4 - SN7607, 2022-07-04	DAE4 Sn878, 2022-06-13

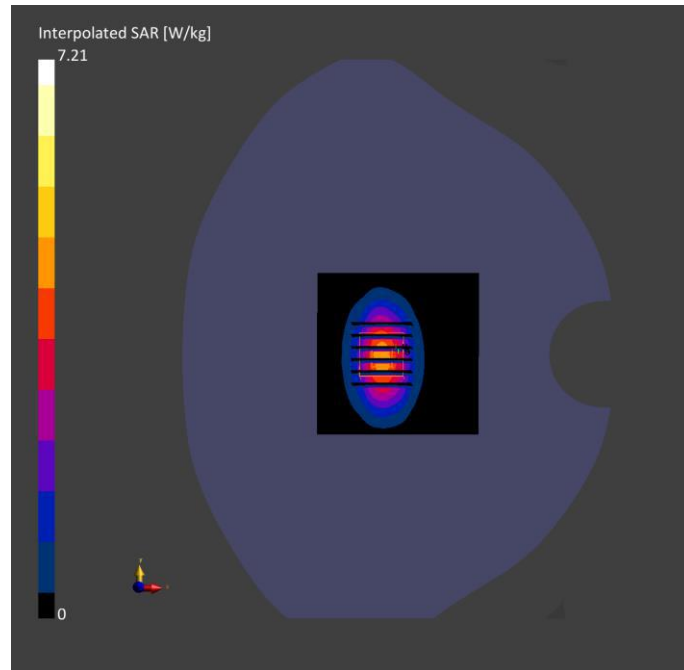
Scan Setup

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	2023-03-10	2023-03-10
psSAR1g [W/kg]	4.01	3.68
psSAR10g [W/kg]	2.17	1.84
Power Drift [dB]	-0.03	-0.07
Power	Disabled	Disabled
Scaling		
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.7
Dist 3dB Peak [mm]		10.1



System Performance Check Data (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 [°C]	Liquid Temperature [°C]
Flat, HSL		D1750	CW, 0--	1750.0, 50	8.69	1.36	40.7	22.4	21.4

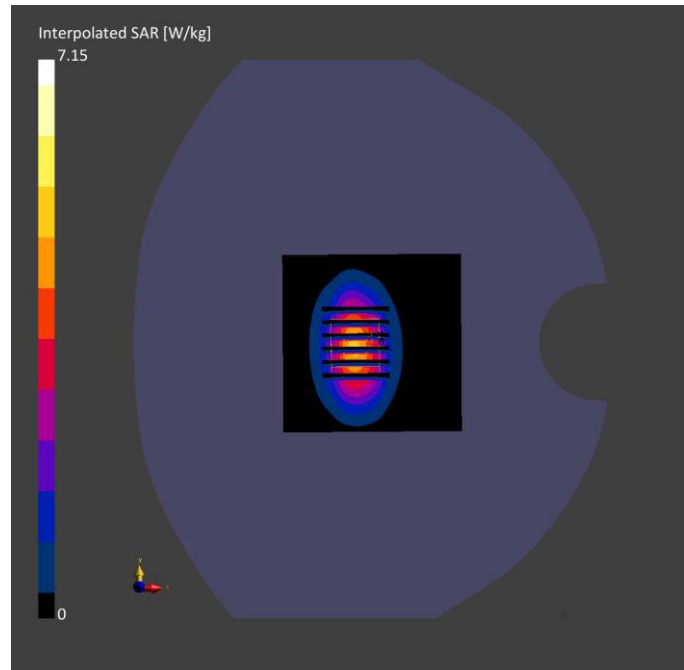
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-03-11	EX3DV4 - SN7607, 2022-07-04	DAE4 Sn878, 2022-06-13

Scan Setup

Measurement Results

	Area Scan	Zoom Scan		Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0	Date	2023-03-11	2023-03-11
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5	psSAR1g [W/kg]	3.83	3.82
Sensor Surface [mm]	3.0	1.4	psSAR10g [W/kg]	2.10	1.92
Graded Grid	Yes	Yes	Power Drift [dB]	-0.11	-0.03
Grading Ratio	1.5	1.5	Power	Disabled	Disabled
MAIA	N/A	N/A	Scaling		
Surface Detection	VMS + 6p	VMS + 6p	Scaling Factor [dB]		
Scan Method	Measured	Measured	TSL Correction	No correction	No correction
			M2/M1 [%]		82.6
			Dist 3dB Peak [mm]		9.4



System Performance Check Data (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 [°C]	Liquid Temperature [°C]
Flat, HSL		D1750	CW, 0--	1750.0, 50	8.69	1.37	39.1	21.9	21.0

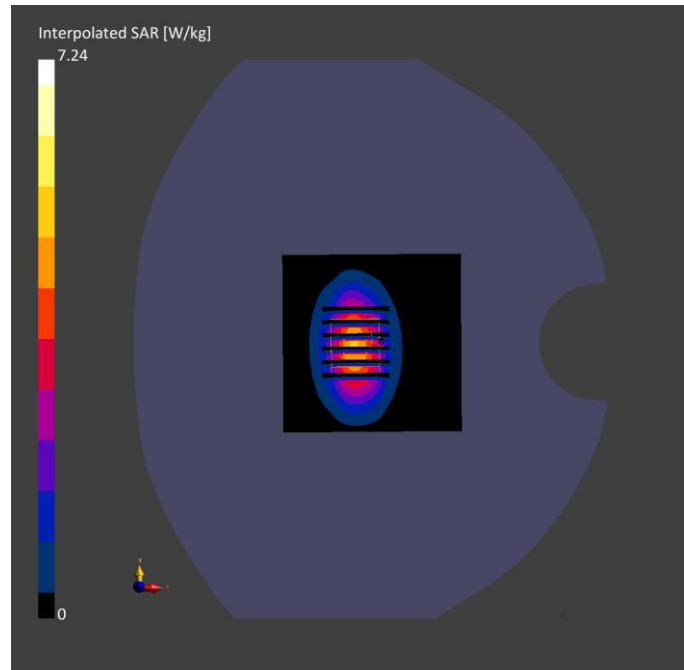
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2023-03-12	EX3DV4 - SN7607, 2022-07-04	DAE4 Sn878, 2022-06-13

Scan Setup

Measurement Results

	Area Scan	Zoom Scan		Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0	Date	2023-03-12	2023-03-12
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5	psSAR1g [W/kg]	3.93	3.71
Sensor Surface [mm]	3.0	1.4	psSAR10g [W/kg]	1.98	1.94
Graded Grid	Yes	Yes	Power Drift [dB]	0.01	-0.04
Grading Ratio	1.5	1.5	Power	Disabled	Disabled
MAIA	N/A	N/A	Scaling		
Surface Detection	VMS + 6p	VMS + 6p	Scaling Factor [dB]		
Scan Method	Measured	Measured	TSL Correction	No correction	No correction
			M2/M1 [%]		81.7
			Dist 3dB Peak [mm]		10.2



System Performance Check Data (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 [°C]	Liquid Temperature [°C]
Flat, HSL		D1900	CW, 0--	1900.0, 50	8.40	1.44	40.1	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 2023-03-13	EX3DV4 - SN7607, 2022-07-04	DAE4 Sn878, 2022-06-13

Scan Setup

Measurement Results

	Area Scan	Zoom Scan		Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0	Date	2023-03-13	2023-03-13
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5	psSAR1g [W/kg]	4.44	3.98
Sensor	3.0	1.4	psSAR10g [W/kg]	2.36	2.02
Surface [mm]			Power Drift [dB]	-0.34	-0.03
Graded Grid	Yes	Yes	Power	Disabled	Disabled
Grading Ratio	1.5	1.5	Scaling		
MAIA	N/A	N/A	Scaling Factor [dB]		
Surface	VMS + 6p	VMS + 6p	TSL Correction	No correction	No correction
Detection			M2/M1 [%]		81.1
Scan Method	Measured	Measured	Dist 3dB Peak [mm]		9.6