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Shenzhen Branch

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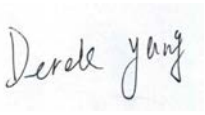
FCC SAR TEST REPORT

Application No:	SZEM1803001995RG
Applicant:	Huawei Technologies Co., Ltd.
Manufacturer:	Huawei Technologies Co., Ltd.
Factory:	Huawei Technologies Co., Ltd.
Product Name:	Smart Phone
Model No.(EUT):	CLT-L0J
Trade Mark:	HUAWEI
FCC ID:	QISCLT-L0J
Standards:	FCC 47CFR §2.1093
Date of Receipt:	2018-03-19
Date of Test:	2018-03-20 to 2018-04-03
Date of Issue:	2018-04-17
Test conclusion:	**PASS ***

* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

Authorized Signature:



Derek Yang

Wireless Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.
If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

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REVISION HISTORY

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2018-04-17		Original

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TEST SUMMARY

Frequency Band	Maximum Reported SAR(W/kg)			
	Head 1g	Body-worn 1g	Hotspot 1g	Limbs 10g
GSM850	0.59	0.34	0.55	NA
GSM1900	<0.10	0.35	0.60	1.20
WCDMA Band II	0.69	0.62	0.70	2.17
WCDMA Band IV	0.75	0.42	0.73	2.27
WCDMA Band V	0.59	0.38	0.57	NA
LTE Band 2	0.75	0.52	0.55	1.42
LTE Band 4	0.59	0.41	0.61	1.59
LTE Band 5	0.66	0.37	0.55	NA
LTE Band 12	0.71	0.23	0.31	NA
LTE Band 17	0.67	0.23	0.32	NA
WI-FI (2.4GHz)	0.44	0.11	0.28	NA
WI-FI (5GHz)	0.58	0.13	NA	1.21
Bluetooth	0.19	0.15	0.23	NA
SAR Limited(W/kg)	1.6			4
Maximum Simultaneous Transmission SAR (W/kg)				
Scenario	Head 1g	Body-worn 1g	Hotspot 1g	Limbs 10g
Sum SAR	1.58	0.93	0.82	2.72
SPLSR	NA	NA	NA	NA
SPLSR Limited	0.04			0.1

Approved & Released by

Simon Ling

SAR Manager

Tested by

Mark Liu

SAR Engineer

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1 General Information

1.1 Details of Client

Applicant:	Huawei Technologies Co., Ltd.
Address:	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C
Manufacturer:	Huawei Technologies Co., Ltd.
Address:	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C
Factory:	Huawei Technologies Co., Ltd.
Address:	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

1.2 Test Location

Company:	SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
Address:	No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China
Post code:	518057
Telephone:	+86 (0) 755 2601 2053
Fax:	+86 (0) 755 2671 0594
E-mail:	ee.shenzhen@sgs.com

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1.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI

The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

• FCC –Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

• Industry Canada (IC)

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

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1.4 General Description of EUT

Device Type :	portable device		
Exposure Category:	uncontrolled environment / general population		
Product Name:	Smart Phone		
Model No.(EUT):	CLT-L0J		
FCC ID:	QISCLT-L0J		
Trade Mark:	HUAWEI		
Product Phase:	production unit		
SN:	LPF0118228000210/LPF0118228000217/LPF0118228000188 LPF0118228000137/LPF0118228000038/LPF0118228000200		
Hardware Version:	HL2CLTM		
Software Version:	18031663		
Antenna Type:	Inner Antenna		
Device Operating Configurations :			
Modulation Mode:	GSM:GMSK, 8PSK;WCDMA: QPSK;LTE:QPSK,16QAM,64QAM WIFI: DSSS,OFDM;BT: GFSK, π/4DQPSK,8DPSK		
Device Class:	B		
GPRS Multi-slots Class:	12	EGPRS Multi-slots Class:	12
HSDPA UE Category:	14	HSUPA UE Category	6
DC-HSDPA UE Category:	24		
LTE Release	13		
Power Class	4,tested with power level 5(GSM850)		
	1,tested with power level 0(GSM1900)		
	3, tested with power control “all 1”(UMTS Band II/IV/V)		
	3, tested with power control Max Power(LTE Band 2/4/5/12/17)		
Frequency Bands:	Band	Tx (MHz)	Rx (MHz)
	GSM850	824 - 849	869 - 894
	GSM1900	1850-1910	1930-1990
	WCDMA Band V	824 - 849	869 - 894
	WCDMA Band IV	1710–1755	2110–2155
	WCDMA Band II	1850-1910	1930-1990
	LTE Band 2	1850-1910	1930-1990
	LTE Band 4	1710–1755	2110–2155
	LTE Band 5	824 - 849	869 - 894
	LTE Band 12	699-716	729-746
	LTE Band 17	704-716	734-746
	Bluetooth	2400-2483.5	2400-2483.5
	Wi-Fi 2.4G	2412-2462	2412-2462
	Wi-Fi 5G	5150-5350 5470-5850	5150-5350 5470-5850
	NFC	13.56	13.56

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Battery Information1#:	Model: HB436486ECW
	Rated capacity: 3900mAh
	Battery Type: Rechargeable Li-ion Battery
	Manufacturer: Sunwoda Electronic Co., LTD
Battery Information2#:	Model: HB436486ECW
	Rated capacity: 3900mAh
	Battery Type: Rechargeable Li-ion Battery
	Manufacturer: Desay Battery Co., Ltd.
Headset Information1#:	Model: MEND1632B729000
	Manufacturer: JIANGXI LIANCHUANG HONGSHENG ELECTRONIC CO., LTD
Headset Information2#:	Model: 1331-3301-6001-TC-296
	Manufacturer: BOLUO COUNTY QUANCHENG ELECTRONIC CO., LTD
Headset Information3#:	Model: WINDY-C
	Manufacturer: Goer Tek Inc
Headset Information4#:	Model: L99EP003-CS-H
	Manufacturer: MERRY ELECTRONICS (SHENZHEN) CO., LTD.

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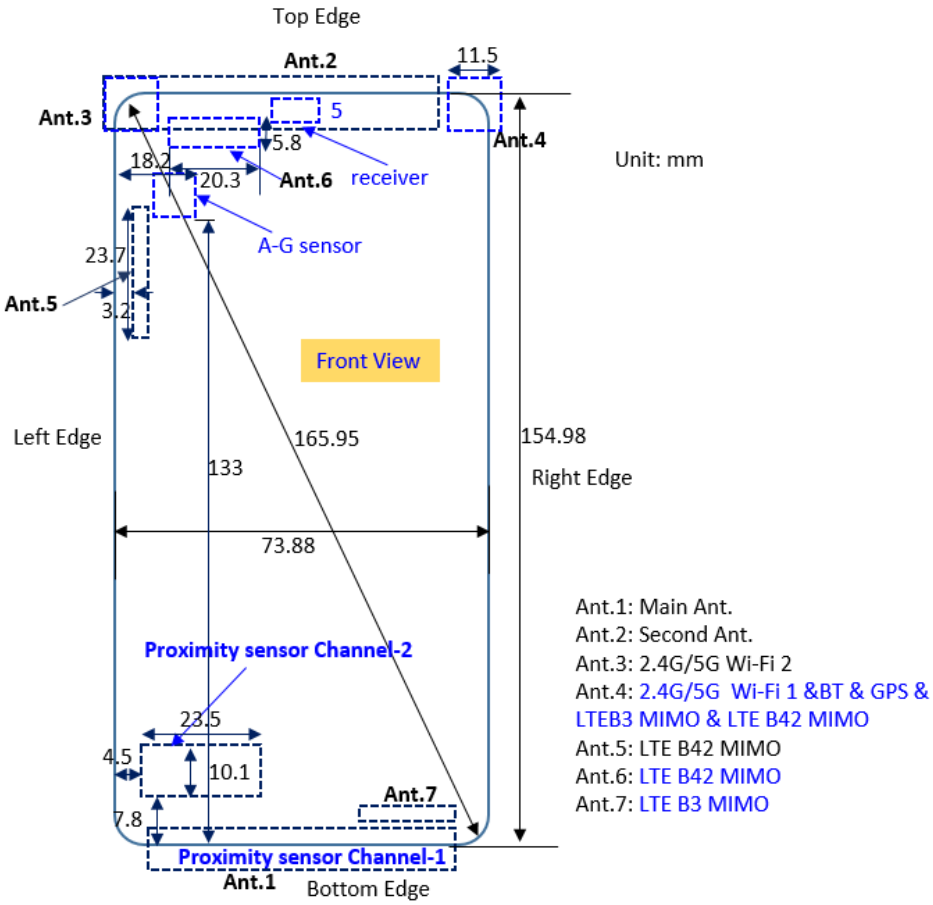
1.4.1 DUT Antenna Locations



The test device is a mobile phone. The display diagonal dimension is 154mm and the overall diagonal dimension of this device is 165.95mm.

The LTE frequency band for Single Carrier is Band 1,Band 2,Band 3,Band 4,Band 5, Band 8, Band 9,Band 12,Band17, Band 19, Band 20, Band 21, Band 28, Band 34, Band39, and Band 42. But only Band 2, Band 4, Band 5, Band 12, Band 17 test data included in this report. The HSUPA/HSDPA/UMTS frequency band is Band 1, Band 2, Band 4, Band 5, Band 6, Band 8 and Band 19, But only Band 2, Band 4 and Band 5 test data can be used in this report. The GSM/GPRS/EDGE frequency band includes GSM850 and GSM900 and DCS1800 and PCS1900, but only GSM850 and PCS1900 bands test data included in this report.

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According to the distance between LTE/WCDMA/GSM&WIFI antennas and the sides of the EUT we can draw the conclusion that:

EUT Sides for SAR Testing						
Mode	Front	Back	Left	Right	Top	Bottom
Ant.1(Main Ant.)	Yes	Yes	Yes	Yes	No	Yes
Ant.2(Second Ant.)	Yes	Yes	Yes	Yes	Yes	No
Ant.3(2.4G/5G WIFI2 Ant.)	Yes	Yes	Yes	No	Yes	No
Ant.4(2.4G WIFI1,BT&5G WIFI1 Ant.)	Yes	Yes	No	Yes	Yes	No

Table 1： EUT Sides for SAR Testing

Note:

1) When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.

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1.4.2 Dynamic antenna switching specification

The device has two 2G/3G/4G Tx antennas (Main Antenna and Second Antenna). It can transmit from either Main Antenna or Second Antenna, but they cannot transmit simultaneously.

GSM 1800/1900, LTE B42 support Tx function only on Down Main Antenna (Ant1)

SAR test procedure for dynamic antenna switching is as below:

The Main Antenna and Second Antenna are set to the MAX transmit power level respectively and test the SAR respectively in all applicable RF exposure conditions. Some commands or test scripts are supplied to fix the operation state and choose the antenna so that only one TX antenna is chosen and tested at a time. All independent antennas will be completely covered by the appropriate SAR measurements and all simultaneous transmission possibilities will be fully considered to ensure SAR compliance.

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1.4.3 Power reduction specification

This device uses the Accelerometer & Gyroscope sensor & audio receiver to indicate whether the user is making a call at Left/Right head scenario or not. The selection between Left/Right head and body power levels is based on the A-G sensor & an audio receiver detection mechanism. The audio receiver is used to determine head or body scenario. The A-G sensor is used just to determine proximity to Left or Right head scenario. The relevant power levels is set for 2G&3G&4G and Wi-Fi antennas accordingly.

Table: Summery of A-G sensor & an audio receiver detection mechanism

Receiver on (Left head scenario)	Receiver on (Right head scenario)	Receiver on (Unknown Left or right head scenario)	Receiver off (Body/other scenario)
Power Level A	Power Level B	Power Level Min(A:B)	Power Level C

Note:The power level A and B and C can be set to the same or different according to different bands.

2) This device uses a single fixed level of power reduction through static table look-up for SAR compliance and it is triggered by a single event or operation:

a) A fixed level power reduction is applied for some frequency bands when hotspot mode becomes active. When the hotspot is disabled, the power value will be recovered.

b) A fixed level power reduction is applied for some frequency bands when simultaneously transmitting with the other antennas in certain simultaneous transmission conditions. The standalone SAR compliance still uses the standalone SAR results tested at the maximum output power level without any power reduction.

c) A fixed level power reduction is applied for some frequency bands when capacitive proximity sensor mode becomes active to ensure body SAR compliance.

The following tables summarize the key power reduction information. The detailed full power which is the Max. power the state can use and reduced tune-up specifications and conducted power measurement results are provided in Section 8 of this report.

Second antenna									
Power Reduction Scenario	GSM 850	UMTS B2	UMTS B4	UMTS B5	LTE B2	LTE B4	LTE B5	LTE B12	LTE B17
Receiver on (left head)	4	3.5	1.5	4	3.5	3	3.5	1	1
Receiver on (right head)	3.5	4.5	3	4	3.5	4	3.5	1	1
Receiver on(unknown)	4	4.5	3	4	3.5	4	3.5	1	1
Receiver off(body)	0	0	0	0	0	0	0	0	0
Receiver on(left head)+WiFi on	7.0	7.0	4.5	7.0	6.5	6.0	6.5	4.0	4.0
Receiver on (right head)+WiFi on	6.5	8.0	6.0	7.0	6.5	7.0	6.5	4.0	4.0
Receiver on(unknown)+WiFi on	7.0	8.0	6.0	7.0	6.5	7.0	6.5	4.0	4.0
Receiver off(body)+WiFi on	3.0	3.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0

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Main antenna										
Power Reduction Scenario	GSM 850	GSM 1900	UMTS B2	UMTS B4	UMTS B5	LTE B2	LTE B4	LTE B5	LTE B12	LTE B17
Receiver on(head)+SAR sensor off	0	0	0	0	0	0	0	0	0	0
Receiver off+SAR Sensor on Level D5+wifi hotspot off	0	1	2.5	1.5	0	3	2.5	0	0	0
Receiver off+SAR Sensor on Level D1&D4+wifi hotspot off	0	1	2.5	1.5	0	3	2.5	0	0	0
Receiver off+SAR Sensor off+wifi hotspot on	0	4	5.5	3	0	6	3	0	0	0
Receiver off+SAR Sensor on Level D5+wifi hotspot on	0	5	8	4.5	0	9	5.5	0	0	0

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1.5 Test Specification

Identity	Document Title
FCC 47CFR §2.1093	Radiofrequency Radiation Exposure Evaluation: Portable Devices
ANSI/IEEE Std C95.1 – 1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.
IEEE 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
KDB 941225 D01 3G SAR Procedures v03r01	3G SAR Measurement Procedures
KDB 941225 D05 SAR for LTE Devices v02r05	SAR EVALUATION CONSIDERATIONS FOR LTE DEVICES
KDB 941225 D05A LTE Rel.10 KDB Inquiry Sheet v01r02	Rel. 10 LTE SAR Test Guidance and KDB Inquiries
KDB 248227 D01 802.11 Wi-Fi SAR v02r02	SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS
KDB 941225 D06 Hotspot Mode SAR v02r01	SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities
KDB 648474 D04 Handset SAR v01r03	SAR Evaluation Considerations for Wireless Handsets
KDB447498 D01 General RF Exposure Guidance v06	Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies
KDB447498 D03 Supplement C Cross-Reference v01	OET Bulletin 65, Supplement C Cross-Reference
KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04	SAR Measurement Requirements for 100 MHz to 6 GHz
KDB 865664 D02 RF Exposure Reporting v01r02	RF Exposure Compliance Reporting and Documentation Considerations

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1.6 RF exposure limits

Human Exposure	Uncontrolled Environment General Population	Controlled Environment Occupational
Spatial Peak SAR* (Brain*Trunk)	**1.60 mW/g**	8.00 mW/g
Spatial Average SAR** (Whole Body)	0.08 mW/g	0.40 mW/g
Spatial Peak SAR*** (Hands/Feet/Ankle/Wrist)	4.00 mW/g	20.00 mW/g

Notes:

* The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time

** The Spatial Average value of the SAR averaged over the whole body.

*** The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation.)

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2 Laboratory Environment

Temperature	Min. = 18℃, Max. = 25 ℃
Relative humidity	Min. = 30%, Max. = 70%
Ground system resistance	< 0.5 Ω
Ambient noise is checked and found very low and in compliance with requirement of standards. Reflection of surrounding objects is minimized and in compliance with requirement of standards.	

Table 2： The Ambient Conditions

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3 SAR Measurements System Configuration

3.1 The SAR Measurement System

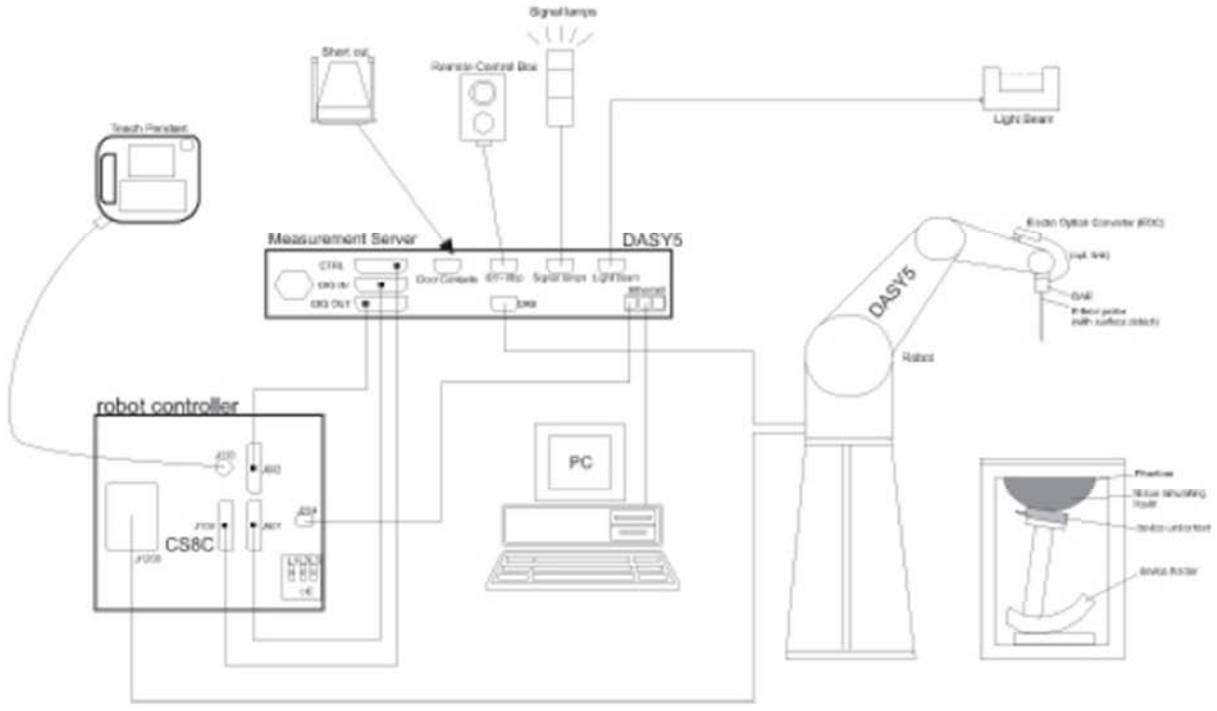
This SAR Measurement System uses a Computer-controlled 3-D stepper motor system (SPEAG DASY5 professional system). A E-field probe is used to determine the internal electric fields. The SAR can be obtained from the equation SAR= σ (|Ei|2)/ ρ where σ and ρ are the conductivity and mass density of the tissue-Simulate.

The DASY5 system for performing compliance tests consists of the following items:
A standard high precision 6-axis robot (Stabile RX family) with controller, teach pendant and software. An arm extension for accommodation the data acquisition electronics (DAE).

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.

A data acquisition electronics (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.

The Electro-optical converter (EOC) performs the conversion between optical and electrical of the signals for the digital communication to DAE and for the analog signal from the optical surface detection. The EOC is connected to the measurement server.



F-1. SAR Measurement System Configuration

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- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
- A computer operating Windows 7.
- DASY5 software.
- Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
- The SAM twin phantom enabling testing left-hand, right-hand and Body Worn usage.
- The device holder for handheld mobile phones.
- Tissue simulating liquid mixed according to the given recipes.
- Validation dipole kits allowing to validating the proper functioning of the system.

3.2 Isotropic E-field Probe EX3DV4

	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	ISO/IEC 17025 calibration service available.
Frequency	10 MHz to > 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)
Dynamic Range	10 µW/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 µW/g)
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better 30%.
Compatibility	DASY3, DASY4, DASY52 SAR and higher, EASY4/MRI

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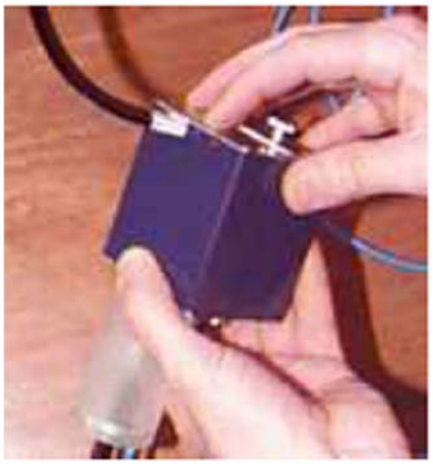
3.3 Data Acquisition Electronics (DAE)

Model	DAE4
Construction	Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY4/5 embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop.
Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV,400mV)
Input Offset Voltage	< 5µV (with auto zero)
Input Bias Current	< 50 f A
Dimensions	60 x 60 x 68 mm



3.4 SAM Twin Phantom

Material	Vinylester, glass fiber reinforced (VE-GF)
Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)
Shell Thickness	2 ± 0.2 mm (6 ± 0.2 mm at ear point)
Dimensions (incl. Wooden Support)	Length: 1000 mm Width: 500 mm Height: adjustable feet
Filling Volume	approx. 25 liters
Wooden Support	SPEAG standard phantom table

The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528 and IEC 62209-1. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.

Twin SAM V5.0 has the same shell geometry and is manufactured from the same material as Twin SAM V4.0, but has reinforced top structure.

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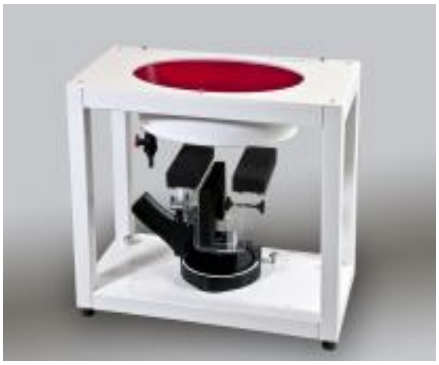
3.5 ELI Phantom

Material	Vinylester, glass fiber reinforced (VE-GF)
Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)
Shell Thickness	2.0 ± 0.2 mm (bottom plate)
Dimensions	Major axis: 600 mm Minor axis: 400 mm
Filling Volume	approx. 30 liters
Wooden Support	SPEAG standard phantom table



Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.

ELI V5.0 has the same shell geometry and is manufactured from the same material as ELI4, but has reinforced top structure.

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3.6 Device Holder for Transmitters

F-2. **Device Holder for Transmitters**

- The DASY device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation centres for both scales are the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.
- The DASY device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity ε=3 and loss tangent δ=0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.

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3.7 Measurement procedure

3.7.1 Scanning procedure

Step 1: Power reference measurement

The “reference” and “drift” measurements are located at the beginning and end of the batch process. They measure the field drift at one single point in the liquid over the complete procedure.

Step 2: *Area scan*

The SAR distribution at the exposed side of the head was measured at a distance of 4mm from the inner surface of the shell. The area covered the entire dimension of the head and the horizontal grid spacing was 15mm*15mm or 12mm*12mm or 10mm*10mm.Based on the area scan data, the area of the maximum absorption was determined by spline interpolation.

Step 3: *Zoom scan*

Around this point, a volume of 32mm*32mm*30mm (f≤2GHz), 30mm*30mm*30mm (f for 2-3GHz) and 24mm*24mm*22mm (f for 5-6GHz) was assessed by measuring 5x5x7 points (f≤2GHz), 7x7x7 points (f for 2-3GHz) and 7x7x12 points (f for 5-6GHz). On this basis of this data set, the spatial peak SAR value was evaluated with the following procedure:

The data at the surface was extrapolated, since the centre of the dipoles is 2.0mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.2mm. (This can be variable. Refer to the probe specification).The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip. The maximum interpolated value was searched with a straight-forward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1g or 10g) were computed using the 3D-Spline interpolation algorithm. The volume was integrated with the trapezoidal algorithm. One thousand points were interpolated to calculate the average. All neighbouring volumes were evaluated until no neighboring volume with a higher average value was found.

The area and zoom scan resolutions specified in the table below must be applied to the SAR measurements 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.

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			≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5 ± 1 mm	½·δ·ln(2) ± 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: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm

Step 4: Power reference measurement (drift)

The Power Drift Measurement job measures the field at the same location as the most recent power reference measurement job within the same procedure, and with the same settings. The indicated drift is mainly the variation of the DUT's output power and should vary max. ± 5 %

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3.7.2 Data Storage

The DASY software stores the acquired data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files with the extension ".DAE4". The software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of incorrect parameter settings. For example, if a measurement has been performed with a wrong crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be re-evaluated. The measured data can be visualized or exported in different units or formats, depending on the selected probe type ([V/m], [A/m], [°C], [m W/g], [m W/cm²], [dBrel], etc.). Some of these units are not available in certain situations or show meaningless results, e.g., a SAR output in a lossless media will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

3.7.3 Data Evaluation by SEMCAD

The SEMCAD software automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

Probe parameters:	- Sensitivity	Normi, ai0, ai1, ai2
	- Conversion factor	ConvFi
	- Diode compression point	Dcpi
Device parameters:	- Frequency	f
	- Crest factor	cf
Media parameters:	- Conductivity	ε
	- Density	ρ

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the DASY components. In the direct measuring mode of the multimeter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics.

If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power.

The formula for each channel can be given as:

$$V_i = U_i + U_i^2 \cdot cf / dcp_i$$

With Vi = compensated signal of channel i (i = x, y, z)

Ui = input signal of channel i (i = x, y, z)

cf = crest factor of exciting field (DASY parameter)

dcp i = diode compression point (DASY parameter)

From the compensated input signals the primary field data for each channel can be evaluated:

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E-field probes:

$$E_i = (V_i / Norm_i \cdot ConvF)^{1/2}$$

H-field probes:

$$H_i = (V_i)^{1/2} \cdot (a_{i0} + a_{i1} f + a_{i2} f^2) / f$$

With Vi = compensated signal of channel i (i = x, y, z)
Normi = sensor sensitivity of channel I (i = x, y, z)
[mV/(V/m)2] for E-field Probes
ConvF = sensitivity enhancement in solution
aij = sensor sensitivity factors for H-field probes
f = carrier frequency [GHz]
Ei = electric field strength of channel i in V/m

Hi = magnetic field strength of channel i in A/m

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{tot} = (E_x^2 + E_Y^2 + E_z^2)^{1/2}$$

The primary field data are used to calculate the derived field units.

$$SAR = (Etot^2 \cdot \sigma) / (\varepsilon \cdot 1000)$$

with SAR = local specific absorption rate in mW/g

Etot = total field strength in V/m

σ= conductivity in [mho/m] or [Siemens/m]

ε= equivalent tissue density in g/cm3

Note that the density is normally set to 1 (or 1.06), to account for actual brain density rather than the density of the simulation liquid. The power flow density is calculated assuming the excitation field to be a free space field.

$$P_{pwe} = E_{tot}^2 2 / 3770 \text{ or } \quad P_{pwe} = H_{tot}^2 \cdot 37.7$$

with Ppwe = equivalent power density of a plane wave in mW/cm2
Etot = total electric field strength in V/m

Htot = total magnetic field strength in A/m

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4 SAR measurement variability and uncertainty

4.1 SAR measurement variability

Per KDB865664 D01 SAR measurement 100 MHz to 6 GHz v01r04, SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. The 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.

1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.

2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.

3) Perform a second repeated measurement only 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 (~ 10% from the 1-g SAR limit).

4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.

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4.2 SAR measurement uncertainty

Per KDB865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. The equivalent ratio (1.5/1.6) is applied to extremity and occupational exposure conditions.

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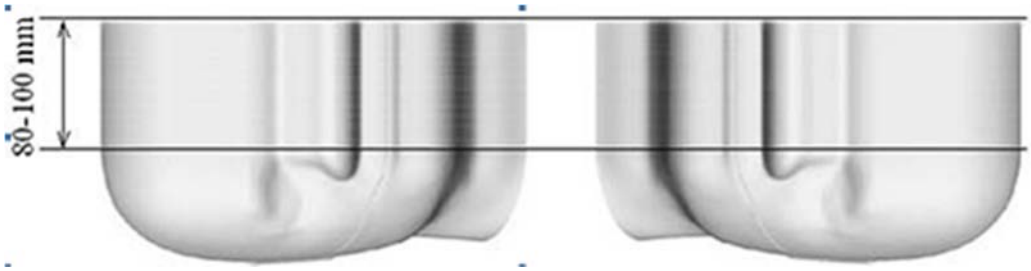
5 Description of Test Position

5.1 Head Exposure Condition

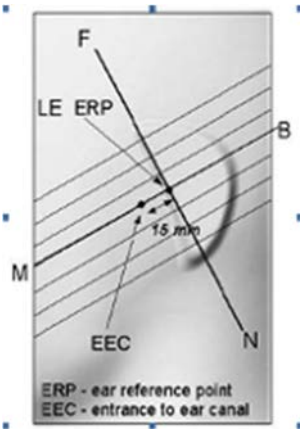
5.1.1 SAM Phantom Shape

F-3. Front, back, and side views of SAM (model for the phantom shell). Full-head model is for illustration purposes only-procedures in this recommended practice are intended primarily for the phantom setup.

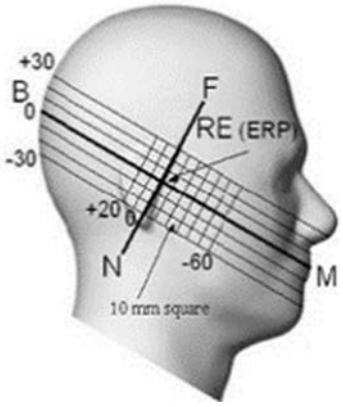
Note: The centre strip including the nose region has a different thickness tolerance.



F-4. Sagittally bisected phantom with extended perimeter (shown placed on its side as used for SAR measurements)



F-5. Close-up side view of phantom, showing the ear region, N-F and B-M lines, and seven cross-sectional plane locations



F-6. Side view of the phantom showing relevant markings and seven cross-sectional plane locations

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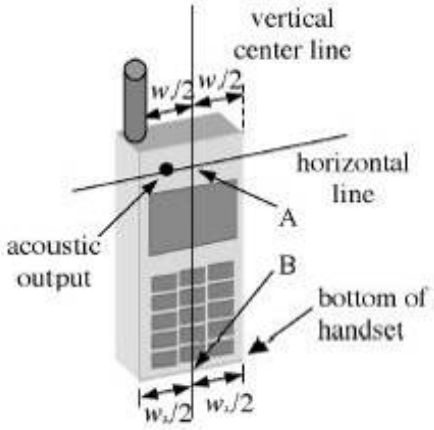
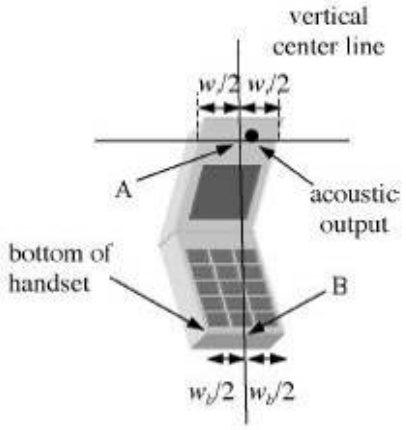
5.1.2 EUT constructions



F-7. Handset vertical and horizontal reference lines-“fixed case”



F-8. Handset vertical and horizontal reference lines-“clam-shell case”

5.1.3 Definition of the “cheek” position

a) Position the device with the vertical centre line of the body of the device and the horizontal line crossing the centre of the ear piece in a plane parallel to the sagittal plane of the phantom ("initial position"). While maintaining the device in this plane, align the vertical centre line with the reference plane containing the three ear and mouth reference points (M, RE and LE) and align the centre of the ear piece with the line RE-LE.

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

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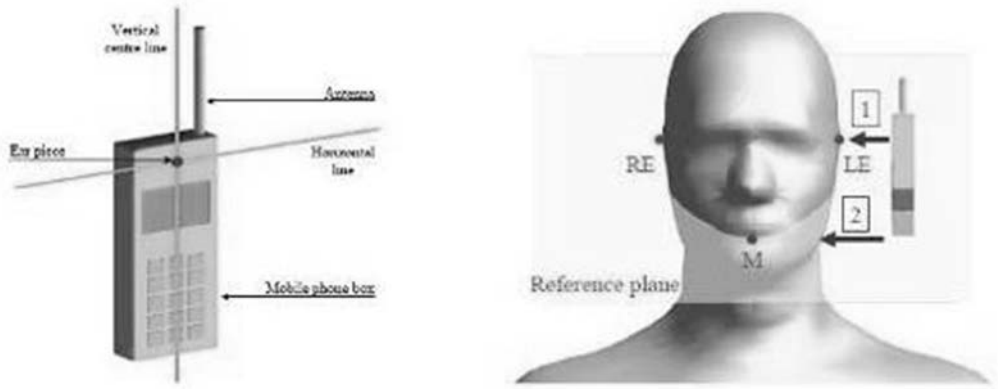
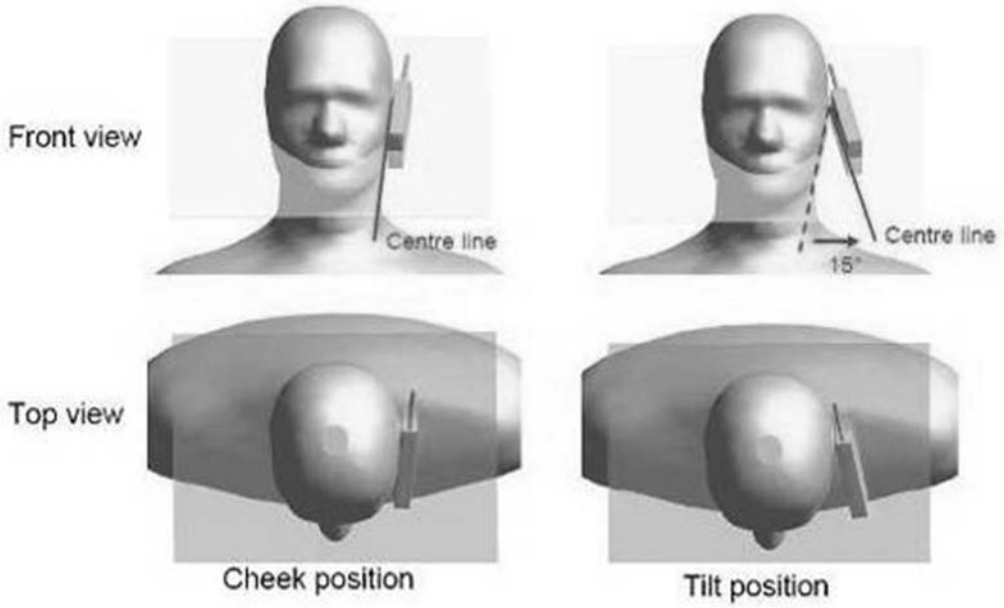
5.1.4 Definition of the “tilted” position

a) Position the device in the “cheek” position described above;

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



F-9. **Definition of the reference lines and points, on the phone and on the phantom and initial position**



F-10. **“Cheek” and “tilt” positions of the mobile phone on the left side**

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5.2 Body Exposure Condition

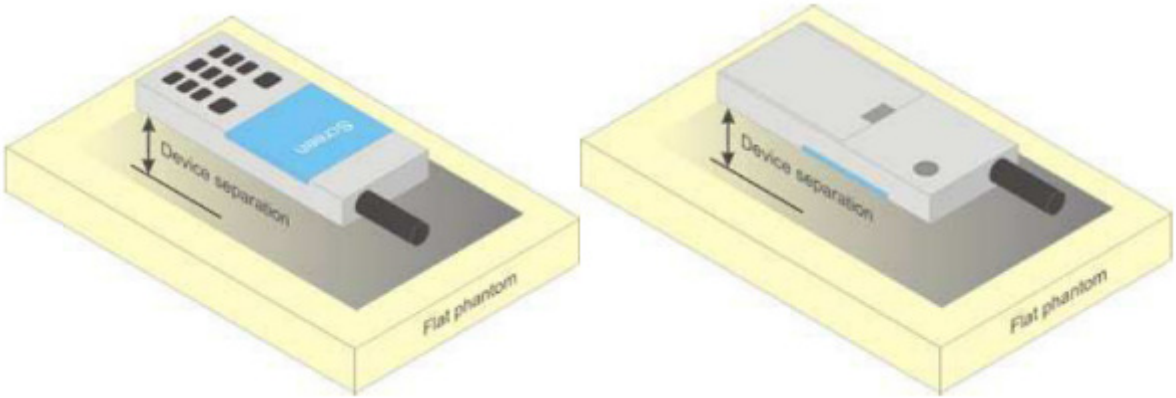
5.2.1 Body-worn accessory exposure conditions

Body-worn operating configurations should be tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in normal use configurations.

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration. Per FCC KDB Publication 648474 D04, 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 FCC KDB Publication 447498 D01 should be 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 applicable. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

Accessories for Body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are tested with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

Body-worn accessories may not always be supplied or available as options for some devices intended to be authorized for body-worn use. In this case, a test configuration with a separation distance between the back of the device and the flat phantom is used. Test position spacing was documented. Transmitters that are designed to operate in front of a person's face, as in push-to-talk configurations, are tested for SAR compliance with the front of the device positioned to face the flat phantom in head fluid. For devices that are carried next to the body such as a shoulder, waist or chest-worn transmitters, SAR compliance is tested with the accessories, including headsets and microphones, attached to the device and positioned against a flat phantom in a normal use configuration.



F-11. **Test positions for body-worn devices**

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5.2.2 Wireless Router exposure conditions

Some battery-operated handsets have the capability to transmit and receive user data through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 where SAR test considerations for handsets (L x W ≥ 9 cm x 5 cm) are based on a composite test separation distance of 10 mm from the front, back and edges of the device containing transmitting antennas within 2.5 cm of their edges, determined from general mixed use conditions for this type of devices. For devices with form factors smaller than 9 cm x 5 cm, a test separation distance of 5 mm is required.

5.3 Extremity exposure conditions

Per FCC KDB 648474D04, 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, the device is marketed as “Phablet”.
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 Product Specific 10-g 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, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.
Due to the SAR result, only the following frequency bands need to test with 0mm for the Product Specific 10-g SAR, the others are not required.

Main Antenna Test data											
Band	**Test position**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Limbs SAR Required**
Product extremity condition											
GSM 1900	Bottom side	GPRS 2TS	661/1880	1:4.15	0.465	-0.05	23.08	28.2	3.251	1.512	Yes
WCDMA B2	Back side	RMC	9400/1880	1:1	0.274	0.13	17.39	24	4.581	1.255	Yes
WCDMA B2	Bottom side	RMC	9400/1880	1:1	0.539	0.03	17.39	24	4.581	2.469	Yes
WCDMA B4	Bottom side	RMC	1412/1732.4	1:1	0.57	0.06	19.15	23.2	2.541	1.448	Yes
LTE B2	Bottom side	QPSK	18700/1860	1:1	0.458	-0.01	16.8	22.6	3.802	1.741	Yes
LTE B4	Bottom side	QPSK	20050/1720	1:1	0.507	0.06	19.18	23	2.410	1.222	Yes

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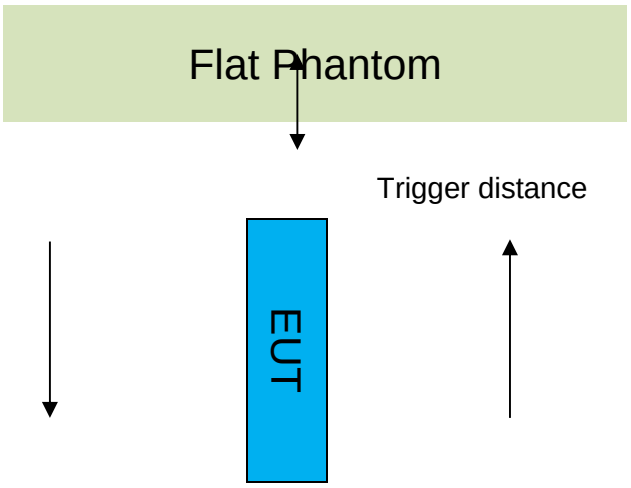
5.4 Proximity Sensor Triggering Test

5.4.1 Main antenna Proximity Sensor

1) Proximity sensor triggering distances

The Proximity sensor triggering was applied to GSM1900, WCDMA Band 2, 4; LTE Band 2, 4. Proximity sensor triggering distance testing was performed according to the procedures outlined in KDB 616217 D04 section 6.2, and EUT moving further away from the flat phantom and EUT moving toward the flat phantom were both assessed.



Proximity Sensor Triggering Distance(mm)			
Position	Front	Back	Bottom
Minimum	10(GSM 1900, WCDMA B2/4, LTE B2/4)	10(GSM 1900, WCDMA B2/4, LTE B2/4)	10(GSM 1900, WCDMA B2/4, LTE B2/4)
Required SAR Test	9(GSM 1900, WCDMA B2/4, LTE B2/4)	9(GSM 1900, WCDMA B2/4, LTE B2/4)	9(GSM 1900, WCDMA B2/4, LTE B2/4)

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Main antenna					
Band	Test position	Sensor Trigger Distance range(DUT to Phantom)	Power reduction amount(dB)	Max Power level（dBm）	Note(Also see Fig.4 flow chart above)
GSM 1900	Bottom side	0≤distance≤10mm	1	28.5	level D1
		10<distance≤16mm	0	29.5	level D2
		16<distance	0	29.5	level D3
	Back side	0≤distance≤4mm	1	28.5	level D5
		4<distance≤10mm	1	28.5	level D4
		>10mm	0	29.5	level D3
	Front side	0≤distance≤10mm	1	28.5	level D1
		10<distance≤16mm	0	29.5	level D2
		16<distance	0	29.5	level D3
	Left side	ALL	0	29.5	level D3
	Right side	ALL	0	29.5	level D3
	Top side	ALL	0	29.5	level D3
WCDMA B2	Bottom side	0≤distance≤10mm	2	21	level D1
		10<distance≤16mm	0	23	level D2
		16<distance	0	23	level D3
	Back side	0≤distance≤4mm	2	21	level D5
		4<distance≤10mm	2	21	level D4
		>10mm	0	23	level D3
	Front side	0≤distance≤10mm	2	21	level D1
		10<distance≤16mm	0	23	level D2
		16<distance	0	23	level D3
	Left side	ALL	0	23	level D3
	Right side	ALL	0	23	level D3
	Top side	ALL	0	23	level D3
WCDMA B4	Bottom side	0≤distance≤10mm	1	21.2	level D1
		10<distance≤16mm	0	22.2	level D2
		16<distance	0	22.2	level D3
	Back side	0≤distance≤4mm	1	21.2	level D5
		4<distance≤10mm	1	21.2	level D4
		>10mm	0	22.2	level D3
	Front side	0≤distance≤10mm	1	21.2	level D1
		10<distance≤16mm	0	22.2	level D2
		16<distance	0	22.2	level D3
	Left side	ALL	0	22.2	level D3
	Right side	ALL	0	22.2	level D3
	Top side	ALL	0	22.2	level D3
LTE B2	Bottom side	0≤distance≤10mm	2	21	level D1
		10<distance≤16mm	0	23	level D2
		16<distance	0	23	level D3
	Back side	0≤distance≤4mm	2	21	level D5
		4<distance≤10mm	2	21	level D4

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		>10mm	0	23	level D3
	Front side	0≤distance≤10mm	2	21	level D1
		10<distance≤16mm	0	23	level D2
		16<distance	0	23	level D3
	Left side	ALL	0	23	level D3
	Right side	ALL	0	23	level D3
	Top side	ALL	0	23	level D3
LTE B4	Bottom side	0≤distance≤10mm	1.5	20.5	level D1
		10<distance≤16mm	0	22	level D2
		16<distance	0	22	level D3
	Back side	0≤distance≤4mm	1.5	20.5	level D5
		4<distance≤10mm	1.5	20.5	level D4
		>10mm	0	22	level D3
	Front side	0≤distance≤10mm	1.5	20.5	level D1
		10<distance≤16mm	0	22	level D2
		16<distance	0	22	level D3
	Left side	ALL	0	22	level D3
	Right side	ALL	0	22	level D3
	Top side	ALL	0	22	level D3

Note: SAR tests with proximity sensor power reduction are only required for the sides of frequency bands in the table above. For the other sides or other frequency bands of the device, SAR is still tested at the maximum power level with sensor off.

Hotspot Off

Band	Ch	Measured Power(dBm)	
		Max. Power	Power back-off (0mm≤distance≤10mm)
GSM 1900	661	29.74	28.4
WCDMA Band II	9400	22.77	20.37
WCDMA Band IV	1412	22.16	20.68
LTE Band 2	18900	22.86	19.79
LTE Band 4	20175	22.06	19.47

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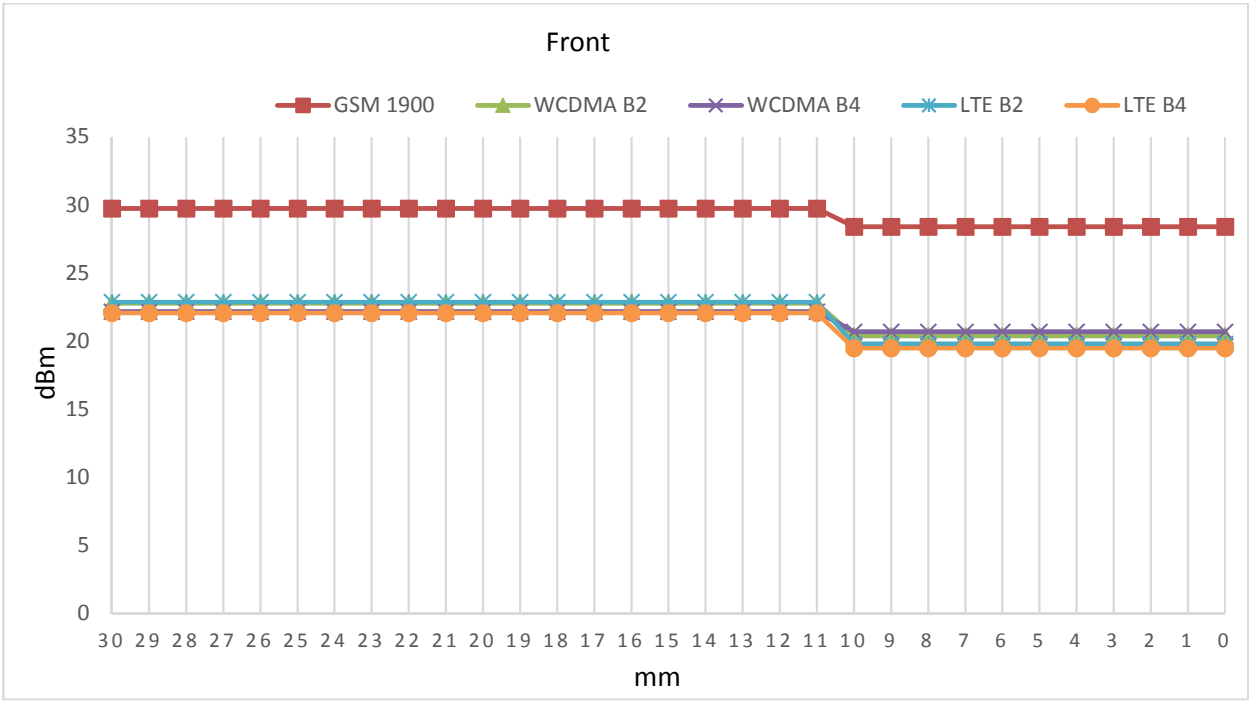
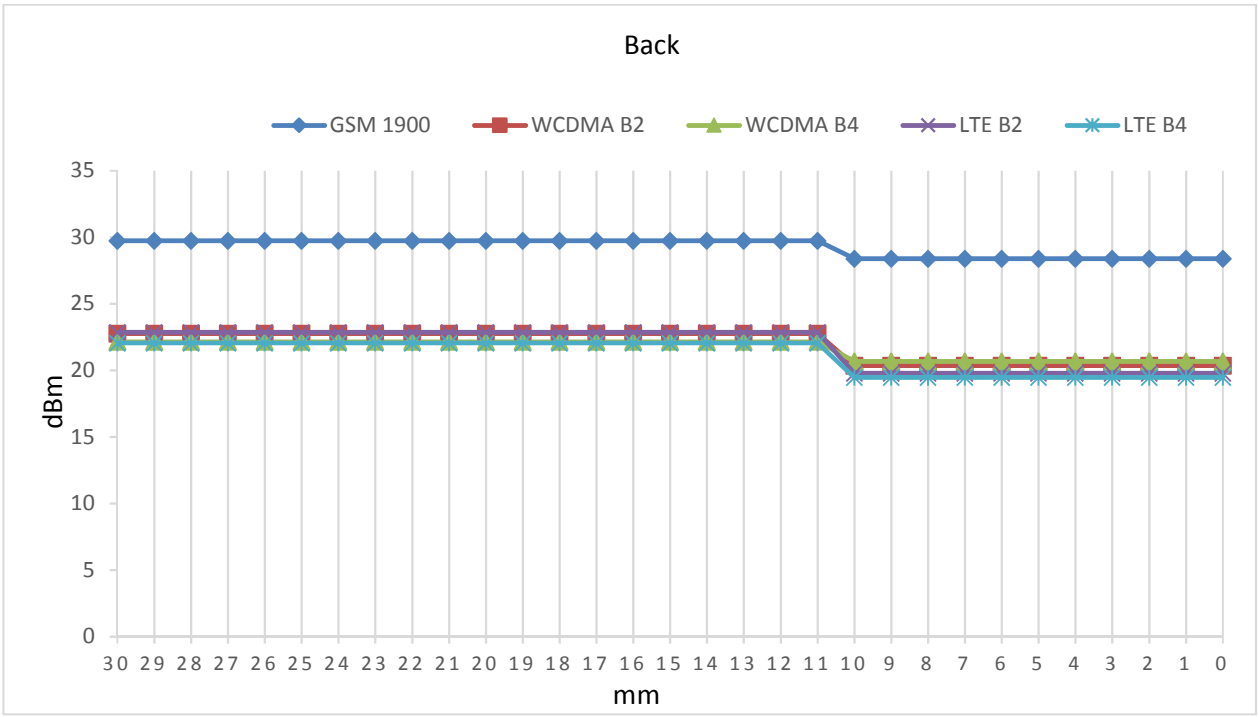
- DUT Moving Toward（Trigger）the Phantom hotspot off





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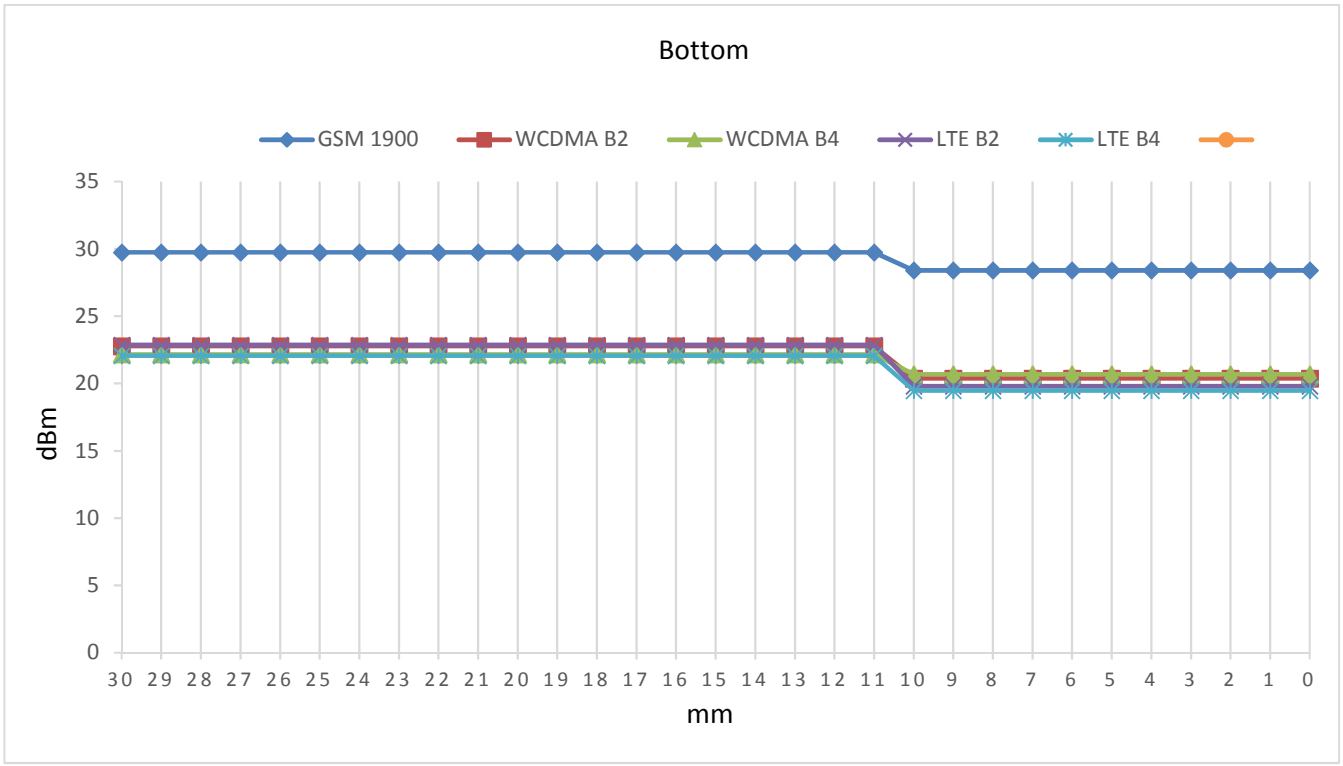

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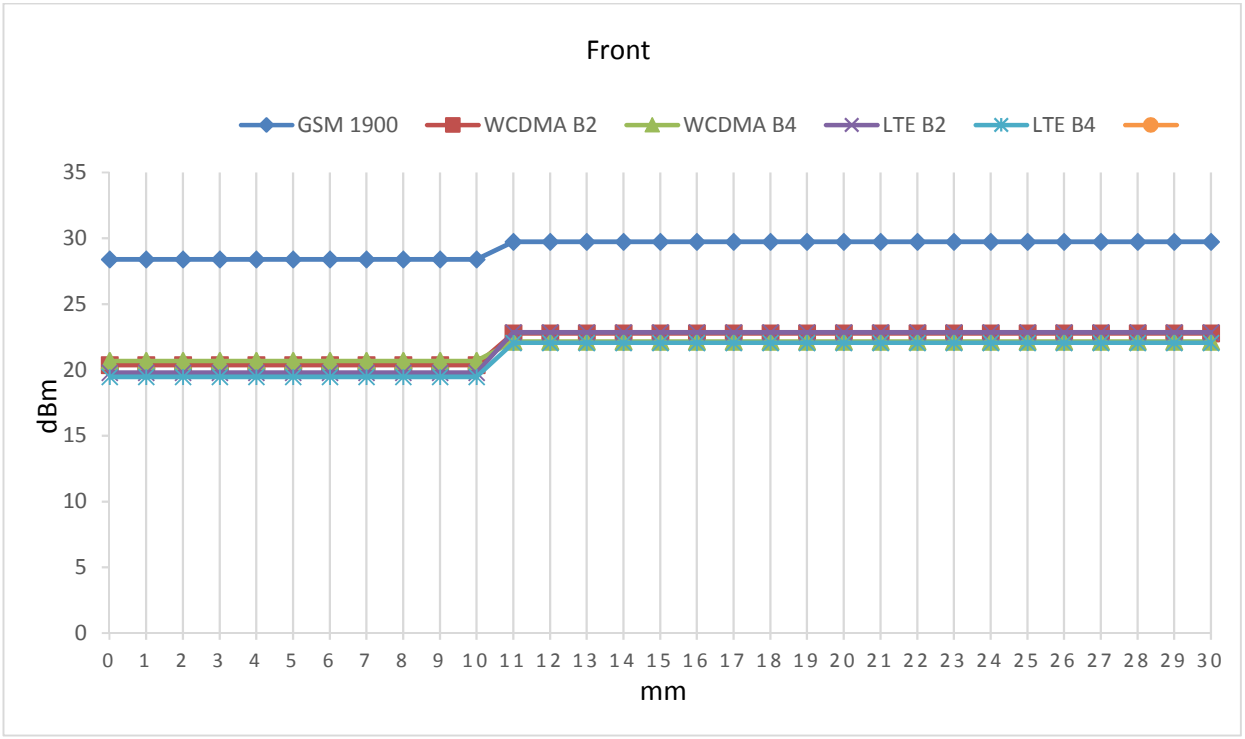
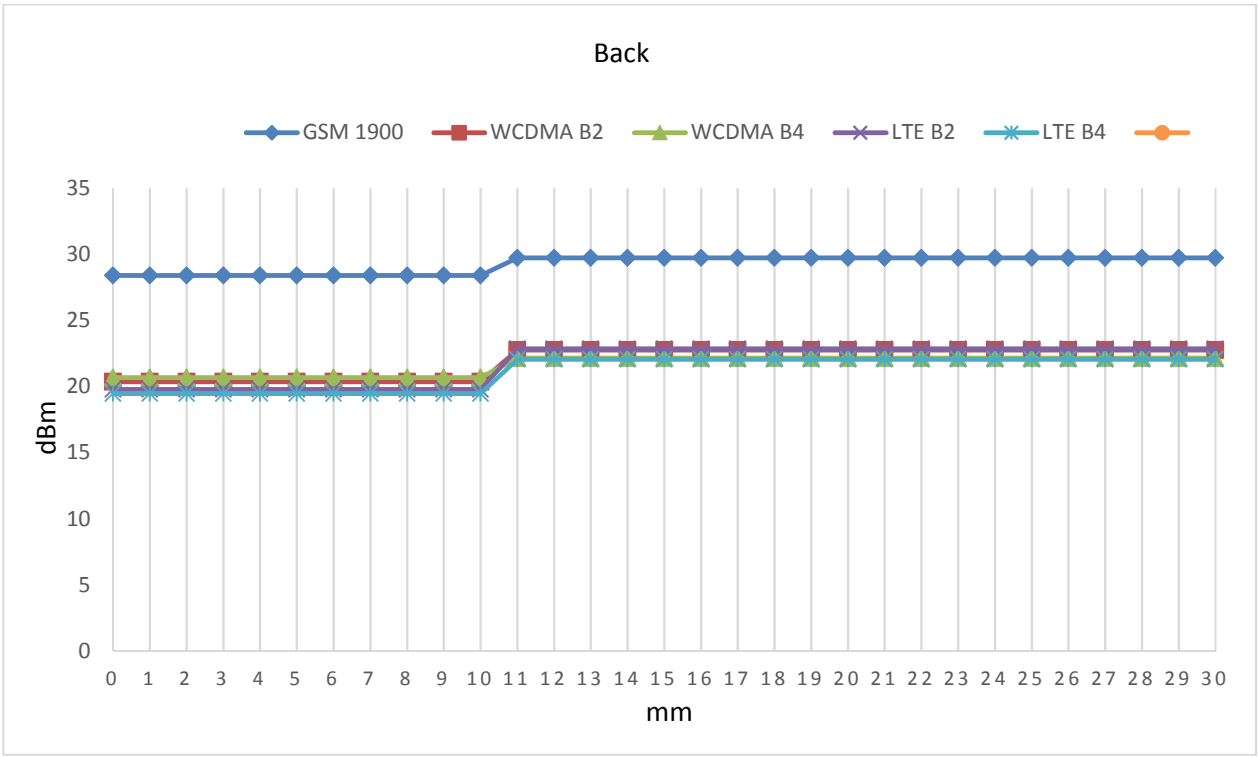
- DUT Moving Away（Release）from the Phantom hotspot off





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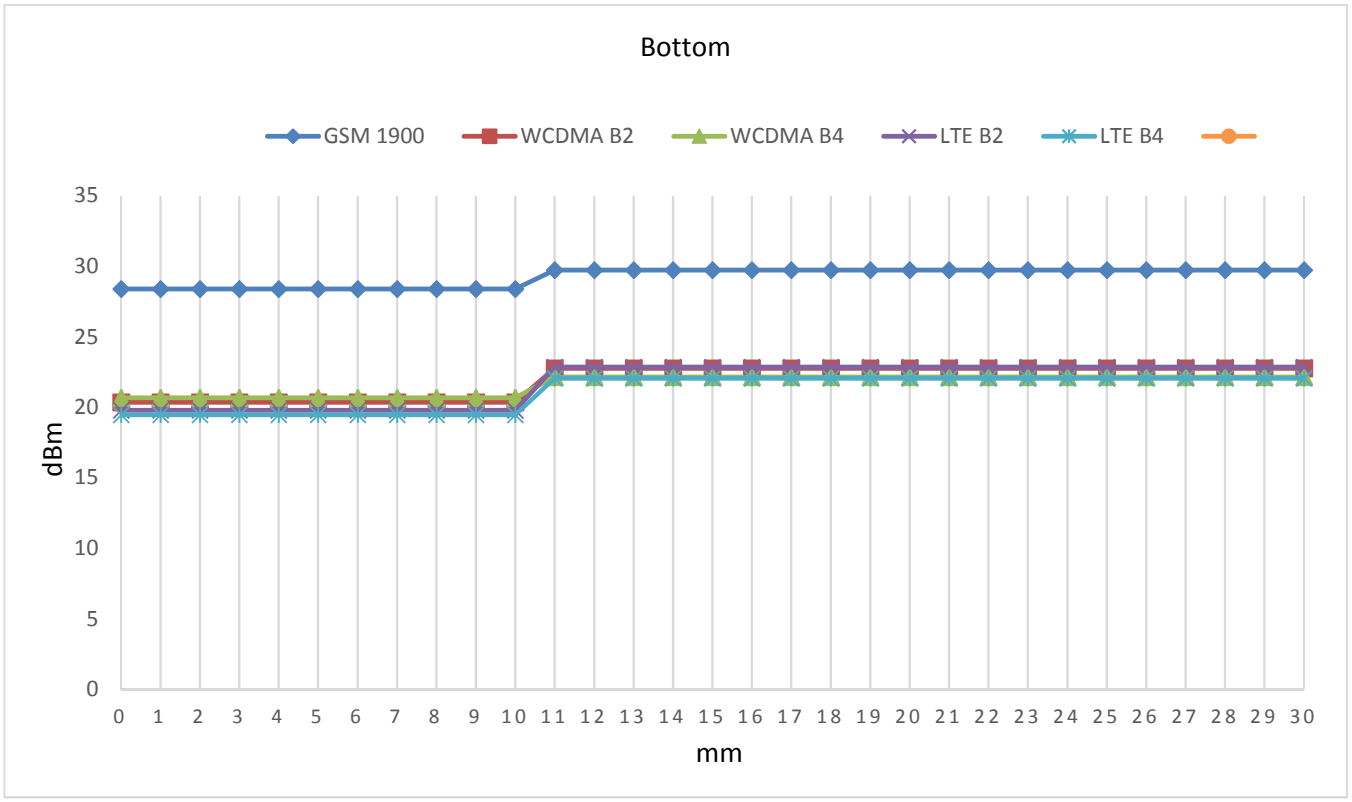

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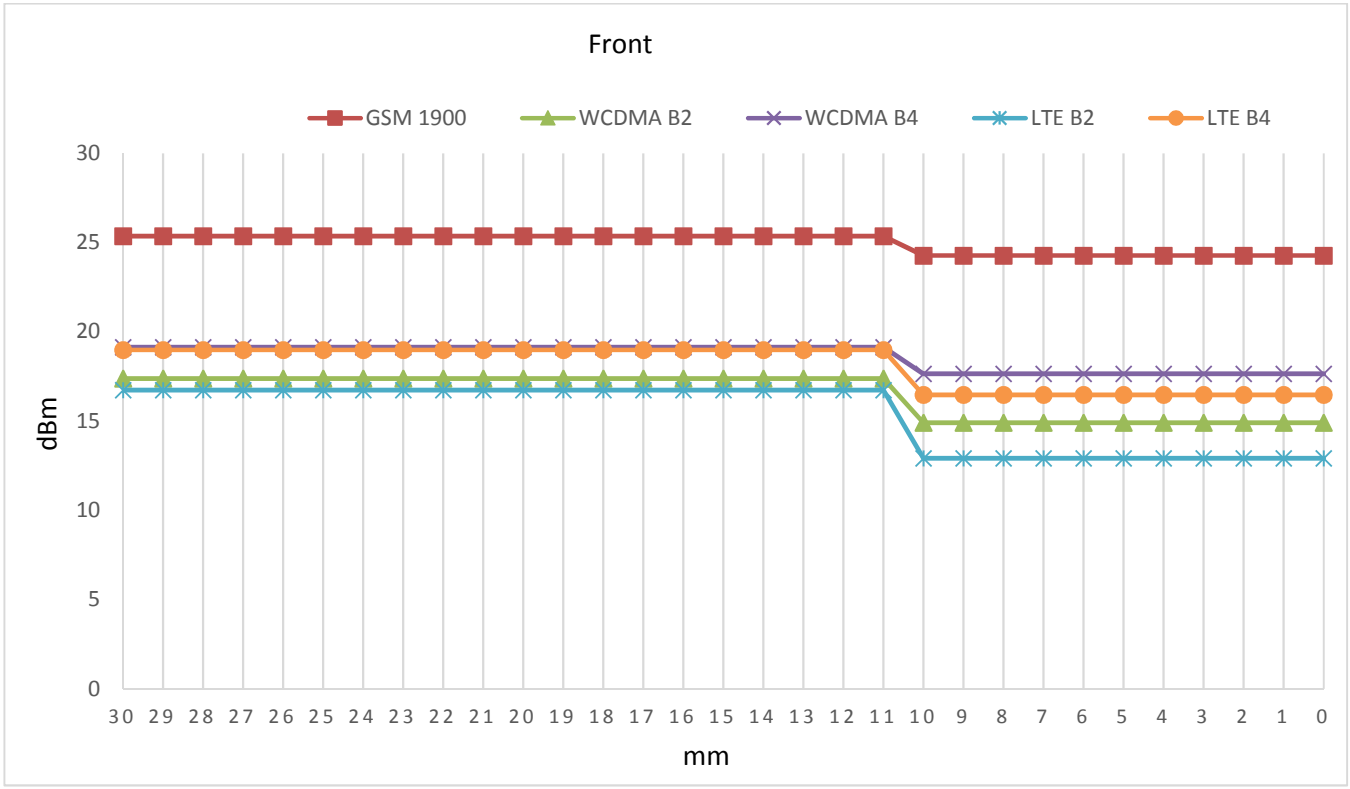
Hotspot on

Band	Ch	Measured Power(dBm)	
		Max. Power	Power back-off (0mm≤distance≤10mm)
GSM 1900	661	25.37	24.28
WCDMA Band II	9400	17.39	14.91
WCDMA Band IV	1412	19.15	17.65
LTE Band 2	18900	16.74	12.92
LTE Band 4	20175	18.99	16.47

- DUT Moving Toward（Trigger）the Phantom hotspot on



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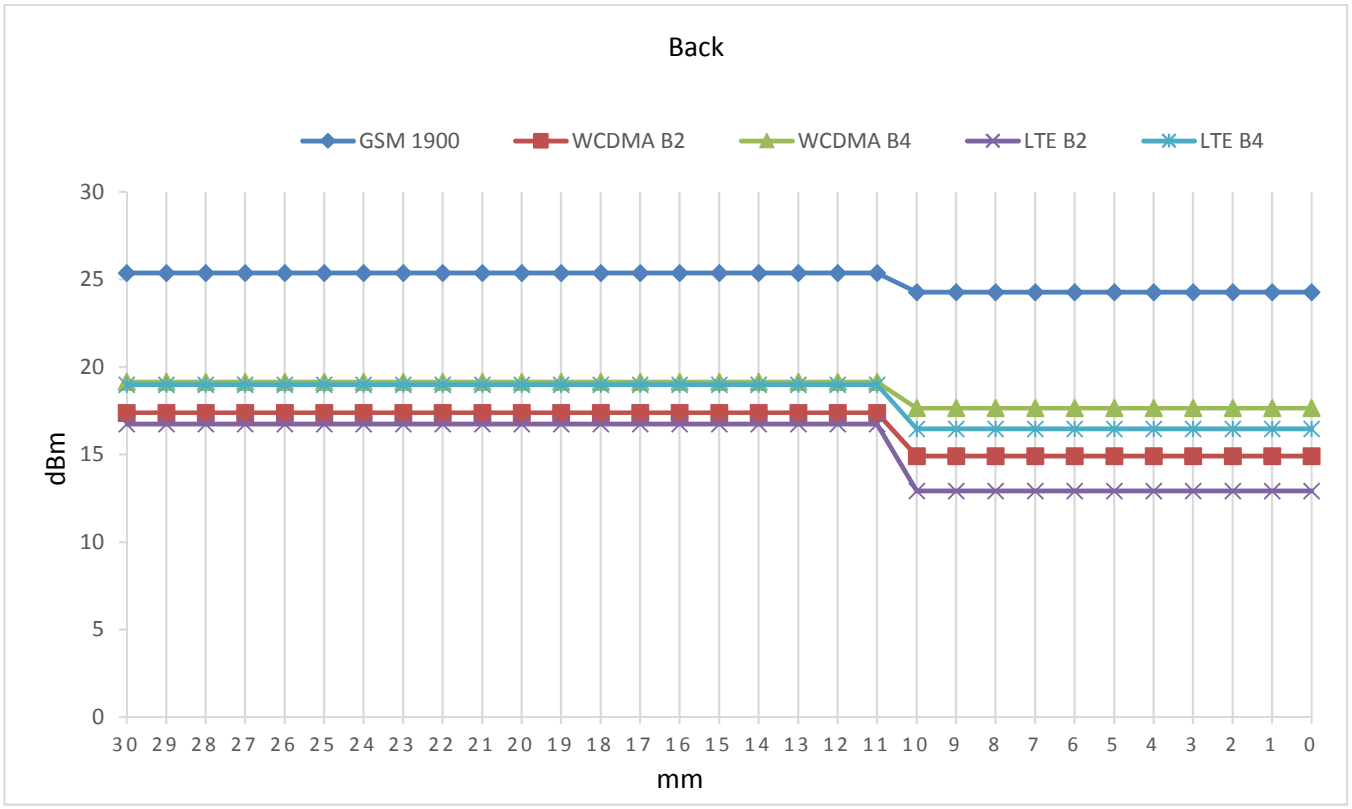

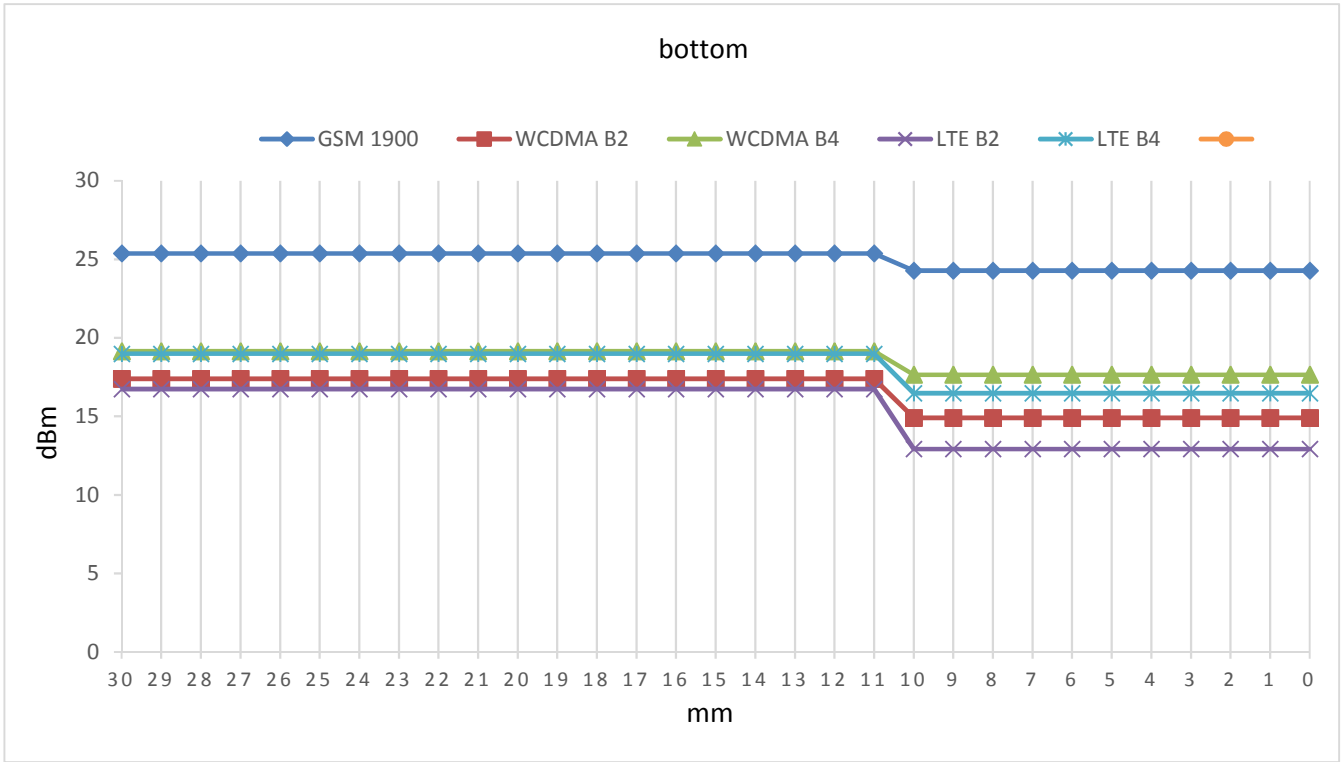

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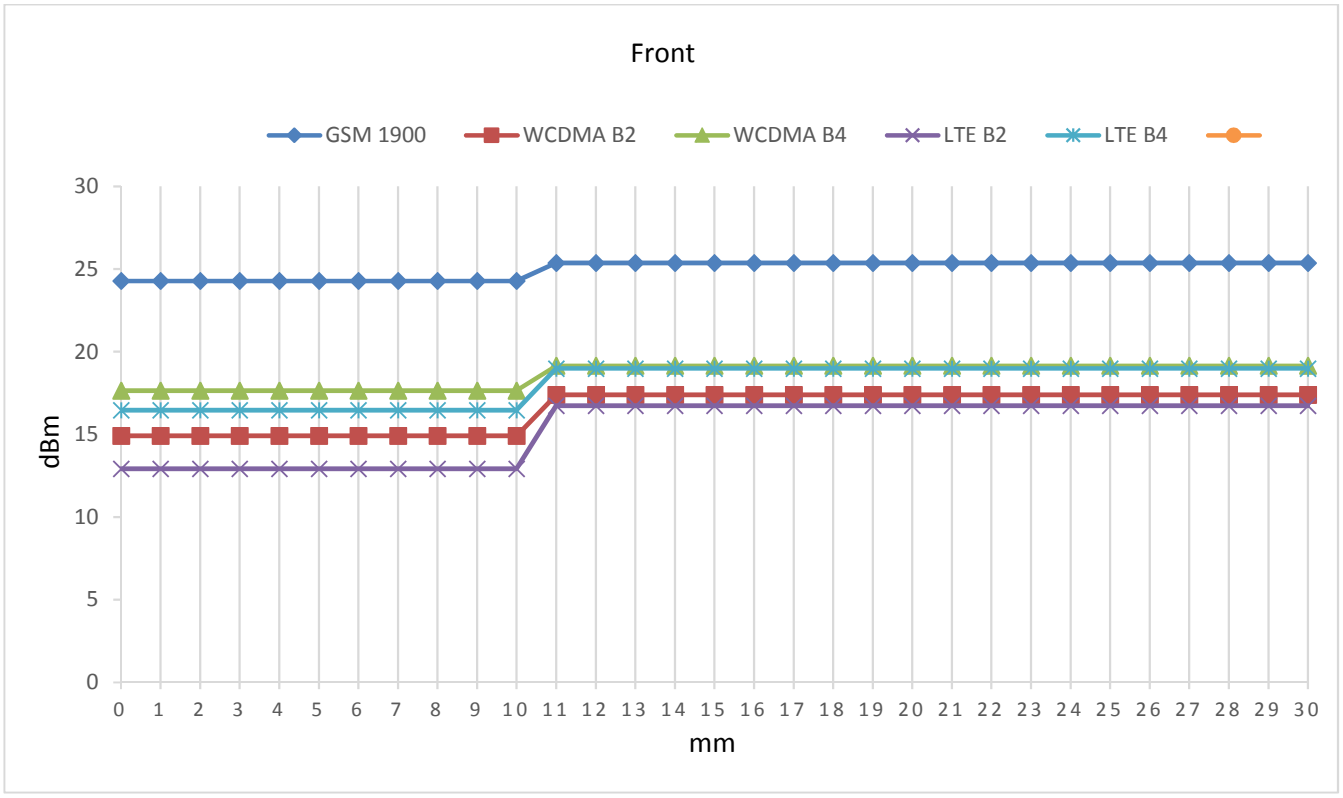
- DUT Moving Away（Release）from the Phantom hotspot on



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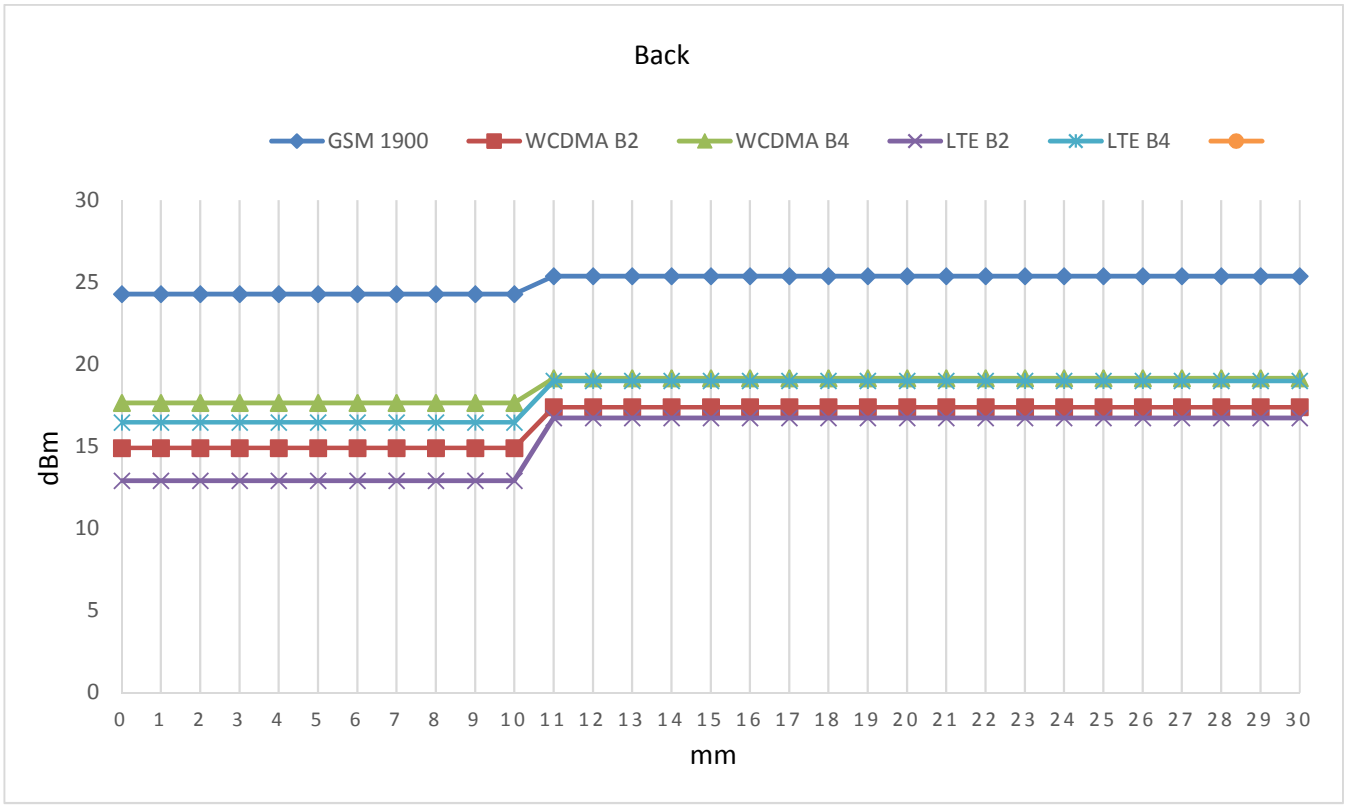

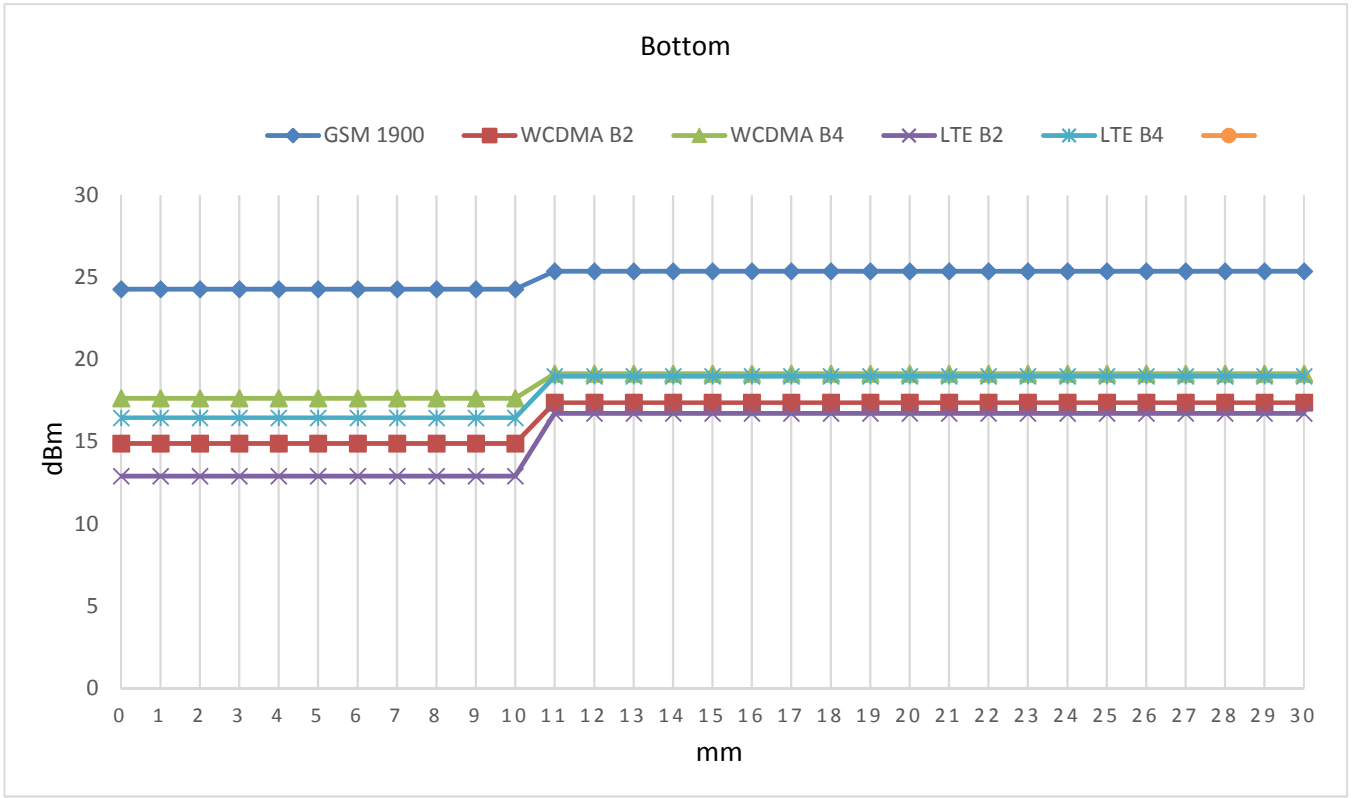

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2) Proximity sensor coverage

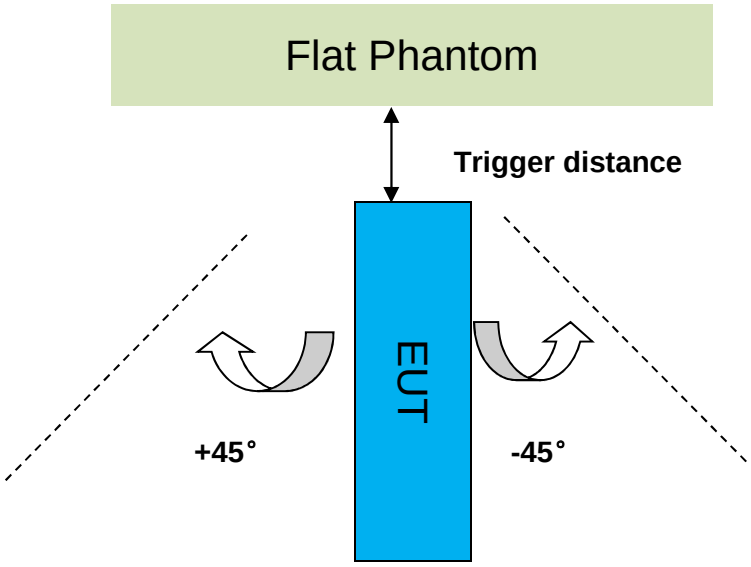
If a sensor is spatially offset from the antenna(s), it is necessary to verify sensor triggering for conditions where the antenna is next to the user but the sensor is laterally further away to ensure sensor coverage is sufficient for reducing the power to maintain compliance. For p-sensor coverage testing, the device is moved and “along the direction of maximum antenna and sensor offset”.

The proximity sensor and main antenna use same metallic electrode, so there is no spatial offset.

3) Device tilt angle influences to proximity sensor triggering

The influence of device tilt angles to proximity sensor triggering was determined by positioning each tablet edge that contains a transmitting antenna, perpendicular to the flat phantom.

Rotating the tablet around the edge next to the phantom in ≤ 10° increments until the tablet is ± 45° from the vertical position at 0°, and the maximum output power remains in the reduced mode.



The Sensor Triggering Distance(mm)	
Position	Bottom
Minimum	10
Required SAR Test	9

Summary of Tablet Tilt Angle Influence to Proximity Sensor Triggering for Bottom Side												
Band(MHz)	Minimum trigger distance Per KDB616217§6.2	Minimum trigger distance at which power reduction was maintained over ±45°	Power Reduction Status									
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
GSM 1900	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on
WCDMA Band II	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on

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WCDMA Band IV	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on
LTE Band 2	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on
LTE Band 4	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on

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6 SAR System Verification Procedure

6.1 Tissue Simulate Liquid

6.1.1 Recipes for Tissue Simulate Liquid

The bellowing tables give the recipes for tissue simulating liquids to be used in different frequency bands：

Ingredients (% by weight)	Frequency (MHz)							
	450		700-920		1700-2000		2300-2700	
Tissue Type	Head	Body	Head	Body	Head	Body	Head	Body
Water	38.56	51.16	40.30	50.75	55.24	70.17	55.00	68.53
Salt (NaCl)	3.95	1.49	1.38	0.94	0.31	0.39	0.2	0.1
Sucrose	56.32	46.78	57.90	48.21	0	0	0	0
HEC	0.98	0.52	0.24	0	0	0	0	0
Bactericide	0.19	0.05	0.18	0.10	0	0	0	0
Tween	0	0	0	0	44.45	29.44	44.80	31.37
Salt: 99+% Pure Sodium Chloride Water: De-ionized, 16 MΩ+ resistivity Tween: Polyoxyethylene (20) sorbitan monolaurate Sucrose: 98+% Pure Sucrose HEC: Hydroxyethyl Cellulose								
HSL5GHz is composed of the following ingredients： Water：50-65% Mineral oil：10-30% Emulsifiers：8-25% Sodium salt：0-1.5%								
MSL5GHz is composed of the following ingredients： Water：64-78% Mineral oil：11-18% Emulsifiers：9-15% Sodium salt：2-3%								

Table 3： Recipe of Tissue Simulate Liquid

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6.1.2 Measurement for Tissue Simulate Liquid

The dielectric properties for this Tissue Simulate Liquids were measured by using the Agilent Model 85070E Dielectric Probe in conjunction with Agilent E5071C Network Analyzer (300 KHz-8500 MHz). The Conductivity (σ) and Permittivity (ρ) are listed in bellow table. For the SAR measurement given in this report. The temperature variation of the Tissue Simulate Liquids was 22±2°C.

Tissue Type	Measured Frequency（MHz）	Target Tissue (±5%)		Measured Tissue		Liquid Temp.	Measured Date
		ε_r	σ(S/m)	ε_r	σ(S/m)	(℃)	
750 Head	750	41.9 (39.81~44)	0.89 (0.85~0.94)	42.786	0.879	22.1	2018/3/20
750 Body	750	55.5 (52.73~58.28)	0.96 (0.91~1.00)	56.463	0.972	22.1	2018/3/21
835 Head	835	41.5 (39.43~43.58)	0.90 0.86~0.95)	42.668	0.909	22.1	2018/3/21
835 Head	835	41.5 (39.43~43.58)	0.90 (0.86~0.95)	43.672	0.902	22.1	2018/3/23
835 Body	835	55.2 (52.44~57.96)	0.97 (0.92~1.02)	55.389	0.986	22.1	2018/3/22
835 Body	835	55.2 (52.44~57.96)	0.97 (0.92~1.02)	56.316	0.992	22.1	2018/3/24
1750 Head	1750	40.1 (38.10~42.11)	1.37 (1.30~1.44)	38.834	1.329	22.2	2018/3/25
1750 Body	1750	53.4 (50.73~56.07)	1.49 (1.42~1.56)	53.503	1.506	22.2	2018/3/26
1750 Body	1750	53.4 (50.73~56.07)	1.49 (1.42~1.56)	53.203	1.508	22.2	2018/3/27
1900 Head	1900	40.0 (38.00~42.00)	1.40 (1.33~1.47)	40.564	1.414	22.3	2018/3/25
1900 Body	1900	53.3 (50.64~55.97)	1.52 (1.44~1.60)	53.025	1.524	22.3	2018/3/26
1900 Body	1900	53.3 (50.64~55.97)	1.52 (1.44~1.60)	53.897	1.523	22.3	2018/3/24
2450 Head	2450	39.20 (37.24~41.16)	1.80 (1.71~1.89)	39.903	1.825	22	2018/3/27
2450 Body	2450	52.70 (50.07~55.34)	1.95 (1.85~2.05)	52.345	2.001	22	2018/3/28
5250 Head	5250	35.9 (34.11~37.70)	4.71 (4.47~4.95)	36.578	4.721	22.2	2018/3/28
5250 Body	5250	48.9 (46.46~51.35)	5.36 (5.09~5.63)	48.122	5.426	22.2	2018/3/29
5250 Body	5250	48.9 (46.46~51.35)	5.36 (5.09~5.63)	48.368	5.382	22.2	2018/4/3

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5600 Head	5600	35.5 (33.73~37.28)	5.07 (4.82~5.32)	35.626	5.107	22.2	2018/3/28
5600 Body	5600	48.5 (46.08~50.93)	5.77 (5.48~6.06)	47.19	5.85	22.2	2018/3/29
5600 Body	5600	48.5 (46.08~50.93)	5.77 (5.48~6.06)	47.435	5.803	22.2	2018/4/3
5750 Head	5750	35.4 (35.63~37.17)	5.22 (4.96~5.48)	35.262	5.279	22.2	2018/3/28
5750 Body	5750	48.3 (45.89~50.72)	5.94 (5.64~6.24)	46.85	6.017	22.2	2018/3/29
5750 Body	5750	48.3 (45.89~50.72)	5.94 (5.64~6.24)	47.096	5.969	22.2	2018/4/3

Table 4： Measurement result of Tissue electric parameters

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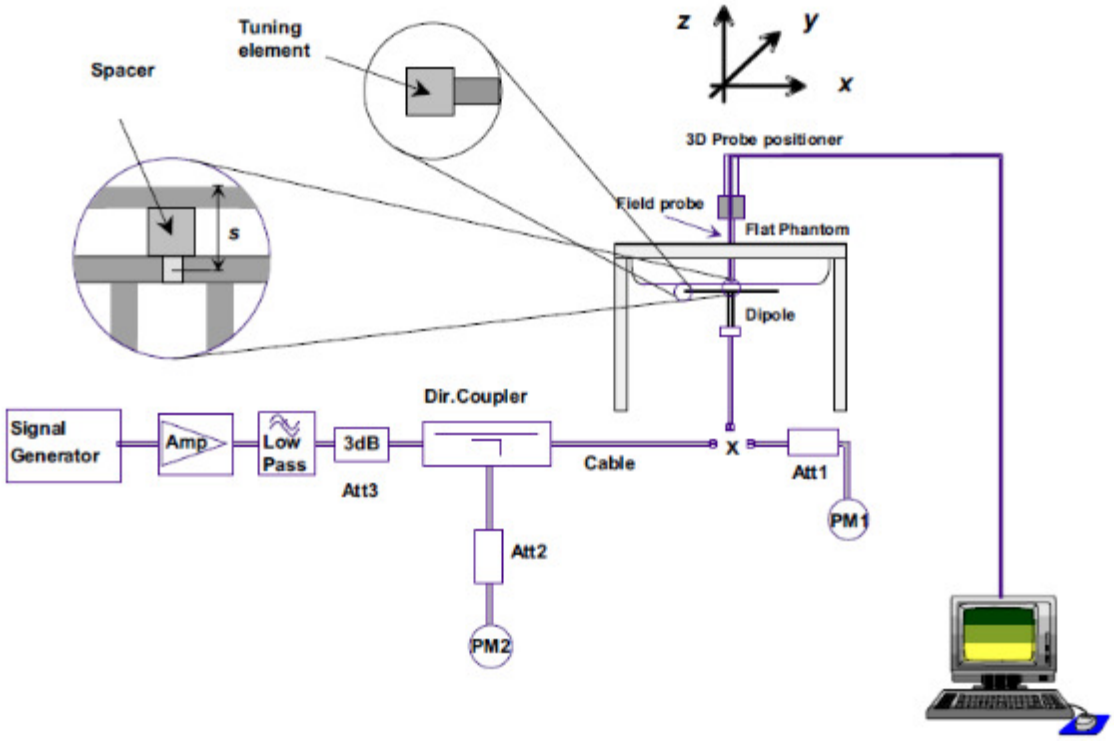
6.2 SAR System Check

The microwave circuit arrangement for system check is sketched in bellow figure. The daily system accuracy verification occurs within the flat section of the SAM phantom. A SAR measurement was performed to see if the measured SAR was within +/- 10% from the target SAR values. The tests were conducted on the same days as the measurement of the EUT. The obtained results from the system accuracy verification are displayed in the following table. During the tests, the ambient temperature of the laboratory was in the range 22±2°C, the relative humidity was in the range 60% and the liquid depth above the ear reference points was above 15 cm in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.



F-12. the microwave circuit arrangement used for SAR system check

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6.2.1 Justification for Extended SAR Dipole Calibrations

1) Referring to KDB865664 D01 requirements for dipole calibration, instead of the typical annual calibration recommended by measurement standards, longer calibration intervals of up to three years may be considered when it is demonstrated that the SAR target, impedance and return loss of a dipole have remain stable according to the following requirements. Each measured dipole is expected to evaluate with the following criteria at least on annual interval in Appendix C.
a) There is no physical damage on the dipole;
b) System check with specific dipole is within 10% of calibrated value;
c) Return-loss is within 10% of calibrated measurement;
d) Impedance is within 5Ω from the previous measurement.

2) Network analyzer probe calibration against air, distilled water and a shorting block performed before measuring liquid parameters.

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6.2.2 Summary System Check Result(s)

Validation Kit		Measured SAR 250mW	Measured SAR 250mW	Measured SAR (normalized to 1w)	Measured SAR (normalized to 1w)	Target SAR (normalized to 1w) (±10%)	Target SAR (normalized to 1w) (±10%)	Liquid Temp. (℃)	Measured Date
		1g (W/kg)	10g (W/kg)	1g (W/kg)	10g (W/kg)	1g(W/kg)	10g(W/kg)		
D750 V2	Head	1.97	1.31	7.88	5.24	8.17 (7.35~8.99)	5.36 (4.82~5.9)	22.1	2018/3/20
	Body	2.09	1.39	8.36	5.56	8.57 (7.71~9.43)	5.66 (5.09~6.23)	22.1	2018/3/21
D835 V2	Head	2.48	1.65	9.92	6.6	9.59 (8.63~10.55)	6.29 (5.66~6.92)	22.1	2018/3/21
	Head	2.51	1.66	10.04	6.64	9.59 (8.63~10.55)	6.29 (5.66~6.92)	22.1	2018/3/23
	Body	2.6	1.72	10.4	6.88	9.65 (8.69~10.62)	6.46 (5.81~7.11)	22.1	2018/3/22
	Body	2.49	1.64	9.96	6.56	9.65 (8.69~10.62)	6.46 (5.81~7.11)	22.1	2018/3/24
D1750 V2	Head	8.81	4.73	35.24	18.92	36.7 (33.03~40.37)	19.5 (17.55~21.45)	22.2	2018/3/25
	Body	9.57	5.09	38.28	20.36	37 (33.30~40.70)	19.7 (17.73~21.67)	22.2	2018/3/26
	Body	9.58	5.1	38.32	20.4	37 (33.30~40.70)	19.7 (17.73~21.67)	22.2	2018/3/27
D1900 V2	Head	10.4	5.4	41.6	21.6	40.7 (36.63~44.77)	21.1 (18.99~23.21)	22.3	2018/3/25
	Body	10	5.31	40	21.24	41.6 (37.44~45.76)	21.4 (19.26~23.54)	22.3	2018/3/26
	Body	10.1	5.36	40.4	21.44	41.6 (37.44~45.76)	21.4 (19.26~23.54)	22.3	2018/3/24
D2450 V2	Head	13.3	6.12	53.2	24.48	53.1 (47.79~58.41)	24.9 (22.41~27.39)	22	2018/3/27
	Body	12.7	5.94	50.8	23.76	51.0 (45.9~56.1)	23.5 (21.15~25.85)	22	2018/3/28

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Validation Kit		Measured SAR 100mW	Measured SAR 100mW	Measured SAR (normalized to 1w)	Measured SAR (normalized to 1w)	Target SAR (normalized to 1w) (±10%)	Target SAR (normalized to 1w) (±10%)	Liquid Temp. (℃)	Measured Date
		1g (W/kg)	10g (W/kg)	1g (W/kg)	10g (W/kg)	1g(W/kg)	10g(W/kg)		
D5GHz V2	Head(5.25GHz)	7.1	2.02	71	20.2	76.6 (68.94~84.26)	21.9 (19.71~24.09)	22.2	2018/3/28
	Body(5.25GHz)	8.11	2.21	81.1	22.1	75.6 (68.04~83.16)	21.3 (19.17~23.43)	22.2	2018/3/29
	Body(5.25GHz)	8.04	2.19	80.4	21.9	75.6 (68.04~83.16)	21.3 (19.17~23.43)	22.2	2018/4/3
	Head(5.6GHz)	7.67	2.16	76.7	21.6	80.4 (72.36~88.44)	22.8 (20.52~25.08)	22.2	2018/3/28
	Body(5.6GHz)	8.71	2.4	87.1	24	81.1 (72.99~89.21)	22.9 (20.61~25.19)	22.2	2018/3/29
	Body(5.6GHz)	8.64	2.38	86.4	23.8	81.1 (72.99~89.21)	22.9 (20.61~25.19)	22.2	2018/4/3
	Head(5.75GHz)	8.38	2.39	83.8	23.9	80 (72~88)	22.7 (20.43~24.97)	22.2	2018/3/28
	Body(5.75GHz)	7.15	1.94	71.5	19.4	74.8 (67.32~82.28)	21 (18.9~23.1)	22.2	2018/3/29
	Body(5.75GHz)	7.09	1.92	70.9	19.2	74.8 (67.32~82.28)	21 (18.9~23.1)	22.2	2018/4/3

Table 5： SAR System Check Result

6.2.3 Detailed System Check Results

Please see the Appendix A

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7 Test Configuration

7.1 3G SAR Test Reduction Procedure

According to KDB 941225D01, in the following procedures, the mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode. This is referred to as the 3G SAR test reduction procedure in the following SAR test guidance, where the primary mode is identified in the applicable wireless mode test procedures and the secondary mode is wireless mode being considered for SAR test reduction by that procedure. When the 3G SAR test reduction procedure is not satisfied, it is identified as “otherwise” in the applicable procedures; SAR measurement is required for the secondary mode.

7.2 Operation Configurations

7.2.1 GSM Test Configuration

SAR tests for GSM 850 and GSM 1900, a communication link is set up with a base station by air link. Using CMU200 the power lever is set to “5”and “0” in SAR of GSM 850 and GSM 1900. The tests in the band of GSM 850 and GSM 1900 are performed in the mode of GPRS/EGPRS function. Since the GPRS class is 12 for this EUT, it has at most 4 timeslots in uplink and at most 4 timeslots in downlink, the maximum total timeslot is 5. The EGPRS class is 12 for this EUT, it has at most 4 timeslots in uplink, and at most 4 timeslots in downlink, the maximum total timeslot is 5.

SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.

When SAR tests for EGPRS mode is necessary, GMSK modulation should be used to minimize SAR measurement error due to higher peak-to-average power (PAR) ratios inherent in 8-PSK.

The 3G SAR test reduction procedure is applied to 8-PSK EDGE with GMSK GPRS/EDGE as the primary mode

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7.2.2 WCDMA Test Configuration

1）. Output Power Verification

Maximum output power is verified on the high, middle and low channels according to procedures described in section 5.2 of 3GPP TS 34.121, using the appropriate RMC or AMR with TPC (transmit power control) set to all "1's" for WCDMA/HSDPA or by applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HSDPA, HSPA) are required in the SAR report. All configurations that are not supported by the handset or cannot be measured due to technical or equipment limitations must be clearly identified.

2）. Head SAR

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all "1's". The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for 12.2 kbps AMR in 3.4 kbps SRB (signaling radio bearer) using the highest reported SAR configuration in 12.2 kbps RMC for head exposure

3）. Body SAR

SAR for body configurations is measured using a 12.2 kbps RMC with TPC bits configured to all "1's". The 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCHn configurations supported by the handset with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured using an applicable RMC configuration with the corresponding spreaing code or DPDCHn, for the highest reported body-worn accessory exposure SAR configuration in 12.2 kbps RMC. When more than 2 DPDCHn are supported by the handset, it may be necessary to configure additional DPDCHn using FTM (Factory Test Mode) or other chipset based test approaches with parameters similar to those used in 384 kbps and 768 kbps RMC.

4）. HSDPA / HSUPA / DC-HSDPA

According to KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If the maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA is ≤ ¼ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA

a) HSDPA

HSDPA is configured according to the applicable UE category of a test device. The number of HS-DSCH/HS-PDSCHs, HARQ processes, minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission conditions, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4 ms and a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. DPCCH and DPDCH gain factors(βc, βd), and HS-DPCCH power offset parameters (ΔACK, ΔNACK, ΔCQI) are set according to values indicated in the following table The CQI value is determined by the UE category, transport block size, number of HS-PDSCHs and modulation used in the H-set.

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Sub-test	βc	Bd	βd(SF)	βc/βd	βhs	CM(dB)	MPR (dB)
1	2/15	15/15	64	2/15	4/15	0.0	0
2	12/15(3)	15/15(3)	64	12/15(3)	24/15	1.0	0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note1: ΔACK, ΔNACK and ΔCQI= 8 Ahs = βhs/βc=30/15 βhs=30/15*βc
Note2:For the HS-DPCCH power mask requirement test in clause 5.2C,5.7A,and the Error Vector Magnitude(EVM) with HS-DPCCH test in clause 5.13.1.A,and HSDPA EVM with phase discontinuity in clause 5.13.1AA, ΔACK and ΔNACK= 8 (Ahs=30/15) with βhs=30/15*βc,and ΔCQI=
7 (Ahs=24/15) with βhs=24/15*βc.
Note3: CM=1 forβc/βd =12/15, βhs/βc=24/15. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.

The measurements were performed with a Fixed Reference Channel (FRC) and H-Set 1 QPSK.

Parameter	Value
Nominal average inf. bit rate	534 kbit/s
Inter-TTI Distance	3 TTI"s
Number of HARQ Processes	2 Processes
Information Bit Payload	3202 Bits
MAC-d PDU size	336 Bits
Number Code Blocks	1 Block
Binary Channel Bits Per TTI	4800 Bits
Total Available SMLs in UE	19200 SMLs
Number of SMLs per HARQ Process	9600 SMLs
Coding Rate	0.67
Number of Physical Channel Codes	5

Table 6： settings of required H-Set 1 QPSK acc. to 3GPP 34.121

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HS-DSCH Category	Maximum HS-DSCH Codes Received	Minimum Inter-TTI Interval	MaximumH S-DSCH Transport BlockBits/HS-DSCH TTI	Total Soft Channel Bits
1	5	3	7298	19200
2	5	3	7298	28800
3	5	2	7298	28800
4	5	2	7298	38400
5	5	1	7298	57600
6	5	1	7298	67200
7	10	1	14411	115200
8	10	1	14411	134400
9	15	1	25251	172800
10	15	1	27952	172800
11	5	2	3630	14400
12	5	1	3630	28800
13	15	1	34800	259200
14	15	1	42196	259200
15	15	1	23370	345600
16	15	1	27952	345600

Table 7： HSDPA UE category

b) HSUPA

Due to inner loop power control requirements in HSUPA, a commercial communication test set should be used for the output power and SAR tests. The 12.2 kbps RMC, FRC H-set 1 and E-DCH configurations for HSUPA should be configured according to the values indicated below as well as other applicable procedures described in the „WCDMA Handset‟ and „Release 5 HSUPA Data Device‟ sections of 3G device.

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Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs}(1)	β_{ec}	β_{ed}	β_{ec} (SF)	β_{ed} (code)	CM(2) (dB)	MPR (dB)	AG(4) Index	E-TFCI
1	11/15(3)	15/15(3)	64	11/15(3)	22/15	209/225	1039/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β_{ed1}:47/15 β_{ed2}:47/15	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15(4)	15/15(4)	64	15/15(4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81

Note 1: Δ ACK, Δ NACK and Δ CQI = 8 $A_{hs} = \beta_{hs}/\beta_c = 30/15$ $\beta_{hs} = 30/15 * \beta_c$

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference

Note 3 : For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10/15$ and $\beta_d = 15/15$

Note 4 : For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 14/15$ and $\beta_d = 15/15$

Note 5 : Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g

Note 6: β_{ed} can not be set directly; it is set by Absolute Grant Value.

Table 8： Subtests for UMTS Release 6 HSUPA

UE E-DCH Category	Maximum E-DCH Codes Transmitted	Number of HARQ Processes	E-DCH TTI(ms)	Minimum Speading Factor	Maximum E-DCH Transport Block Bits	Max Rate (Mbps)
1	1	4	10	4	7110	0.7296
2	2	8	2	4	2798	1.4592
	2	4	10	4	14484	
3	2	4	10	4	14484	1.4592
4	2	8	2	2	5772	2.9185
	2	4	10	2	20000	2.00
5	2	4	10	2	20000	2.00
6 (No DPDCH)	4	8	10	2SF2&2SF4	11484	5.76
	4	4	2		20000	2.00
7 (No DPDCH)	4	8	2	2SF2&2SF4	22996	?
	4	4	10		20000	?

NOTE: When 4 codes are transmitted in parallel, two codes shall be transmitted with SF2 and two with SF4.UE categories 1 to 6 support QPSK only. UE category 7 supports QPSK and 16QAM.(TS25.306-7.3.0).

Table 9： HSUPA UE category

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c) DC-HSDPA

SAR is required for Rel. 8 DC-HSDPA when SAR is required for Rel. 5 HSDPA; otherwise, the 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a Second serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable.

The following tests were completed according to procedures in section 7.3.13 of 3GPP TS 34.108 v9.5.0.

A summary of these settings are illustrated below:

Downlink Physical Channels are set as per 3GPP TS34.121-1 v9.0.0 E.5.0

Table E.5.0: Levels for HSDPA connection setup

Parameter During Connection setup	Unit	Value
P-CPICH_Ec/Ior	dB	-10
P-CCPCH and SCH_Ec/Ior	dB	-12
PICH _Ec/Ior	dB	-15
HS-PDSCH	dB	off
HS-SCCH_1	dB	off
DPCH_Ec/Ior	dB	-5
OCNS_Ec/Ior	dB	-3.1

Call is set up as per 3GPP TS34.108 v9.5.0 sub clause 7.3.13.

The configurations of the fixed reference channels for HSDPA RF tests are described in 3GPP TS 34.121, annex C for FDD and 3GPP TS 34.122.

The measurements were performed with a Fixed Reference Channel (FRC) H-Set 12 with QPSK.

Parameter	Value
Nominal average inf. bit rate	60 kbit/s
Inter-TTI Distance	1 TTI's
Number of HARQ Processes	6 Processes
Information Bit Payload	120 Bits
Number Code Blocks	1 Block
Binary Channel Bits Per TTI	960 Bits
Total Available SMLs in UE	19200 SMLs
Number of SMLs per HARQ Process	3200 SMLs
Coding Rate	0.15
Number of Physical Channel Codes	1

Table 10：settings of required H-Set 12 QPSK acc. to 3GPP 34.121

Note:

1. The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table above.

2. Maximum number of transmission is limited to 1,i.e.,retransmission is not allowed. The redundancy and constellation version 0 shall be used.

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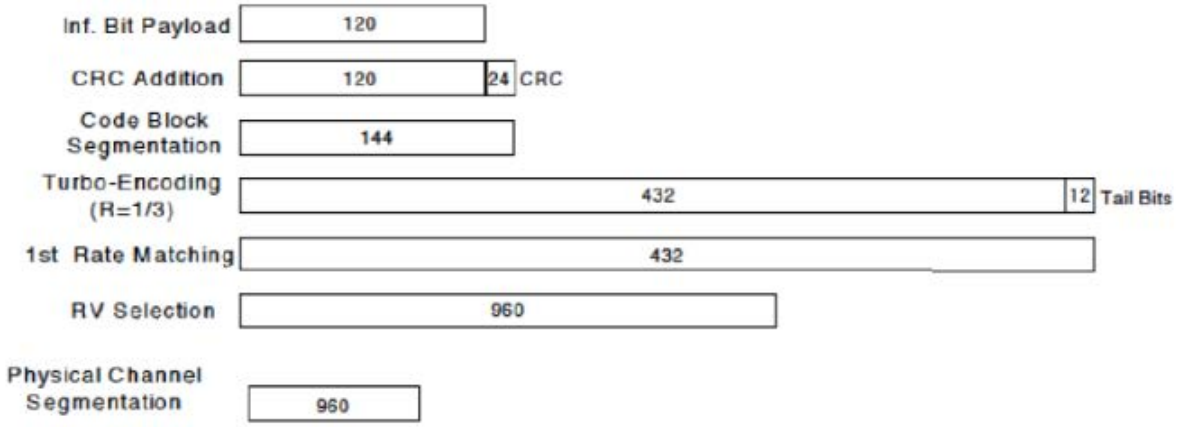

Figure C.8.10: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

The following 4 Sub-tests for HSDPA were completed according to Release 5 procedures. A summary of subtest settings are illustrated below:

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs} (1)	CM(dB)(2)	MPR (dB)
1	2/15	15/15	64	2/15	4/15	0.0	0
2	12/15(3)	15/15(3)	64	12/15(3)	24/15	1.0	0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note 1: Δ ACK, Δ NACK and Δ CQI = 8 $A_{hs} = \beta_{hs}/\beta_c = 30/15$ $\beta_{hs} = 30/15 * \beta_c$

Note 2: CM=1 for β_c/β_d= 12/15, β_{hs}/β_c = 24/15. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.

Note 3: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 11/15 and β_d = 15/15

Up commands are set continuously to set the UE to Max power.

Note:

1. The Dual Carriers transmission only applies to HSDPA physical channels
2. The Dual Carriers belong to the same Node and are on adjacent carriers.
3. The Dual Carriers do not support MIMO to serve UEs configured for dual cell operation
4. The Dual Carriers operate in the same frequency band.
5. The device doesn't support the modulation of 16QAM in uplink but 64QAM in downlink for DC-HSDPA mode.
6. The device doesn't support carrier aggregation for it just can operate in Release 8.

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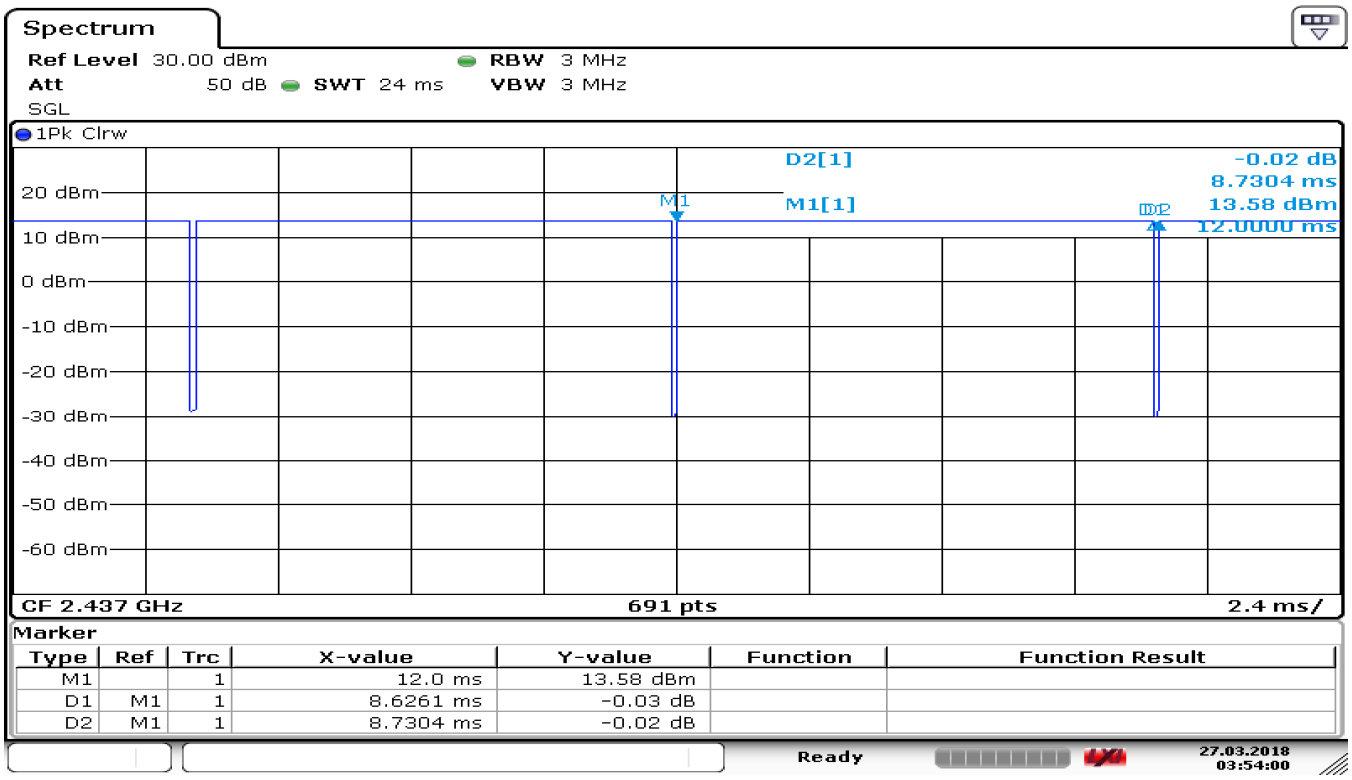
7.2.3 WiFi Test Configuration

A Wi-Fi device must be configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools for SAR measurement.

7.2.3.1 Duty cycle

2.4GHz Wi-Fi 802.11b:

Duty cycle: 8.6261/8.7304=98.81%



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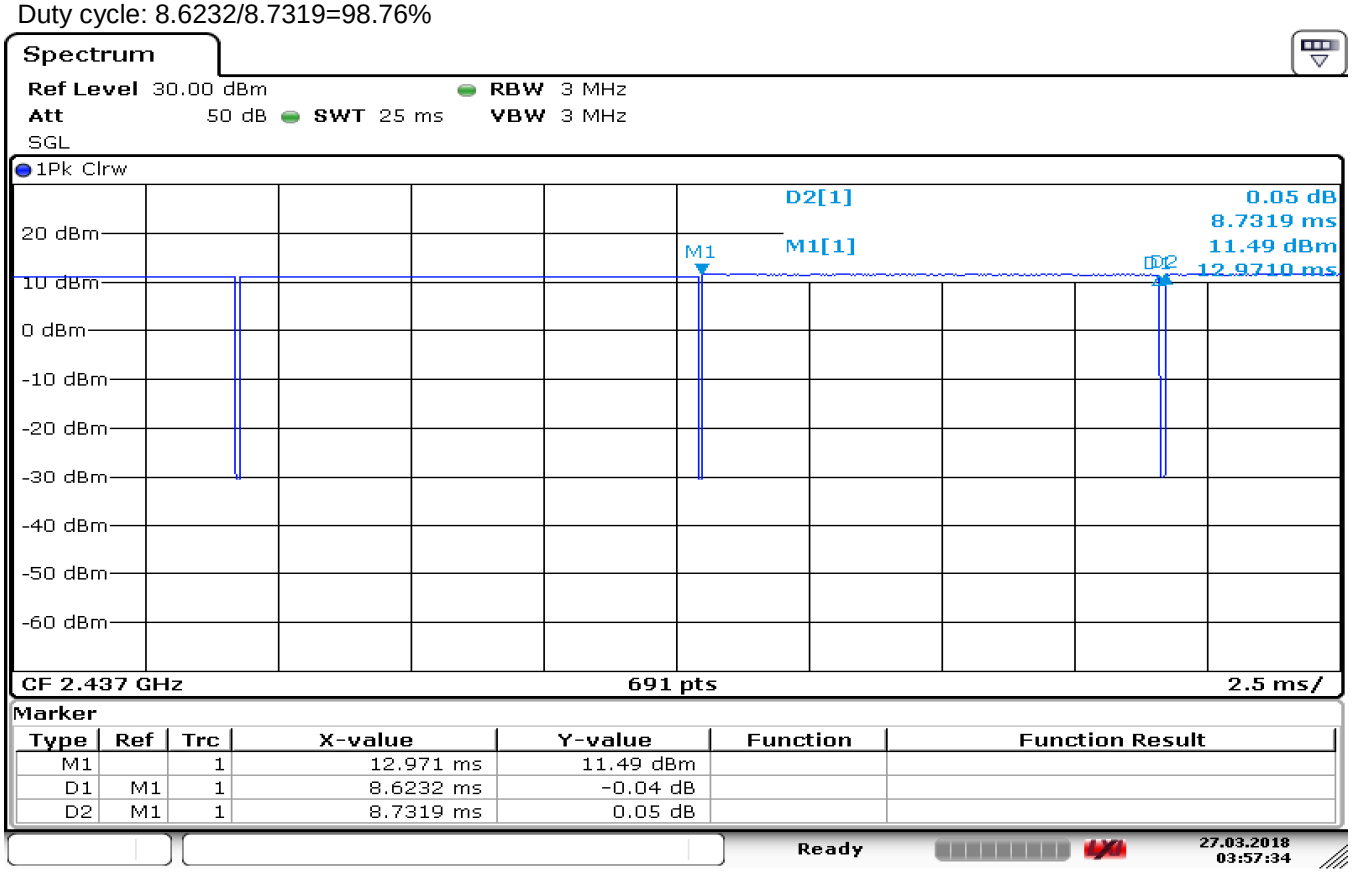
Duty cycle: 8.6232/8.7319=98.76%



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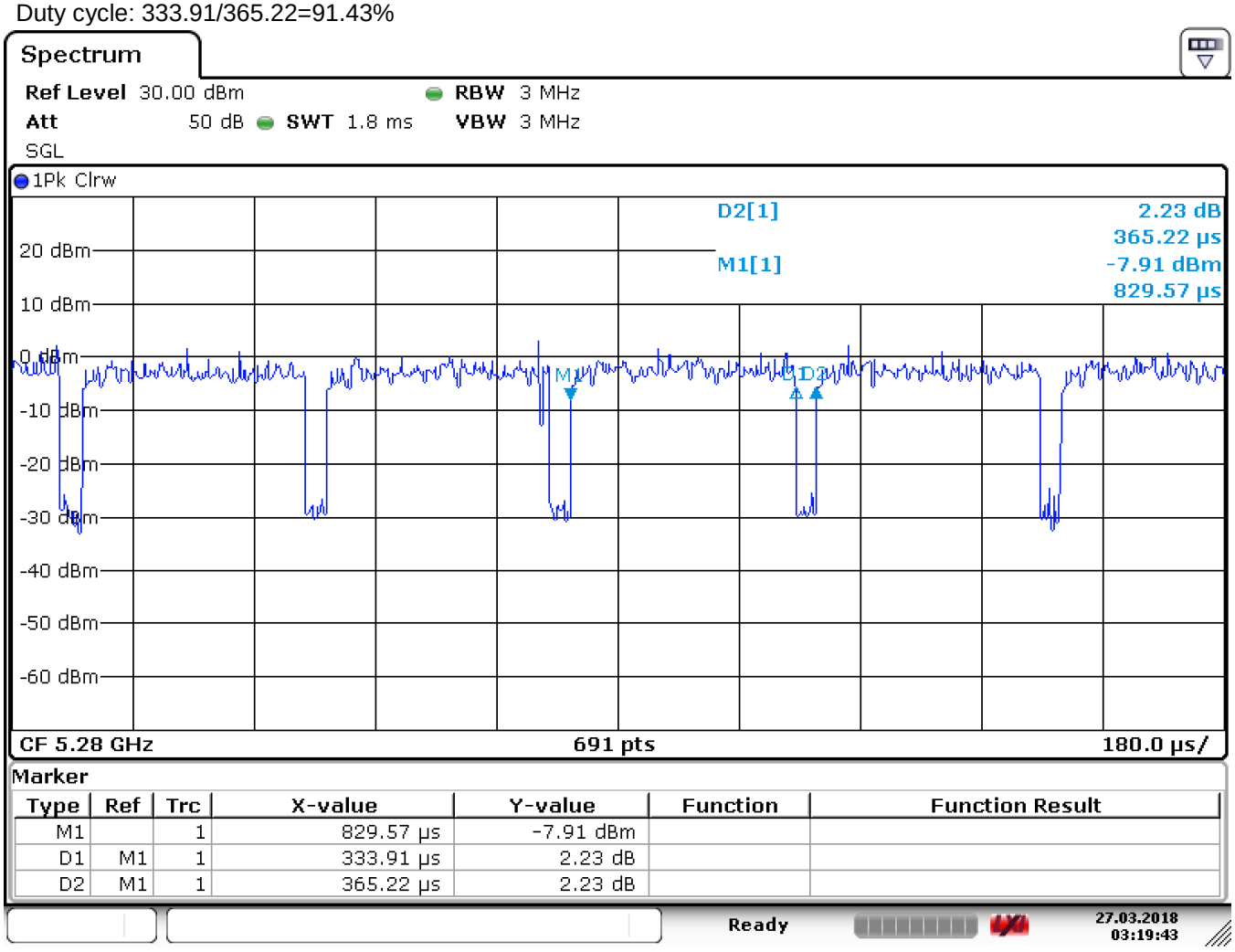
Duty cycle: 333.91/365.22=91.43%



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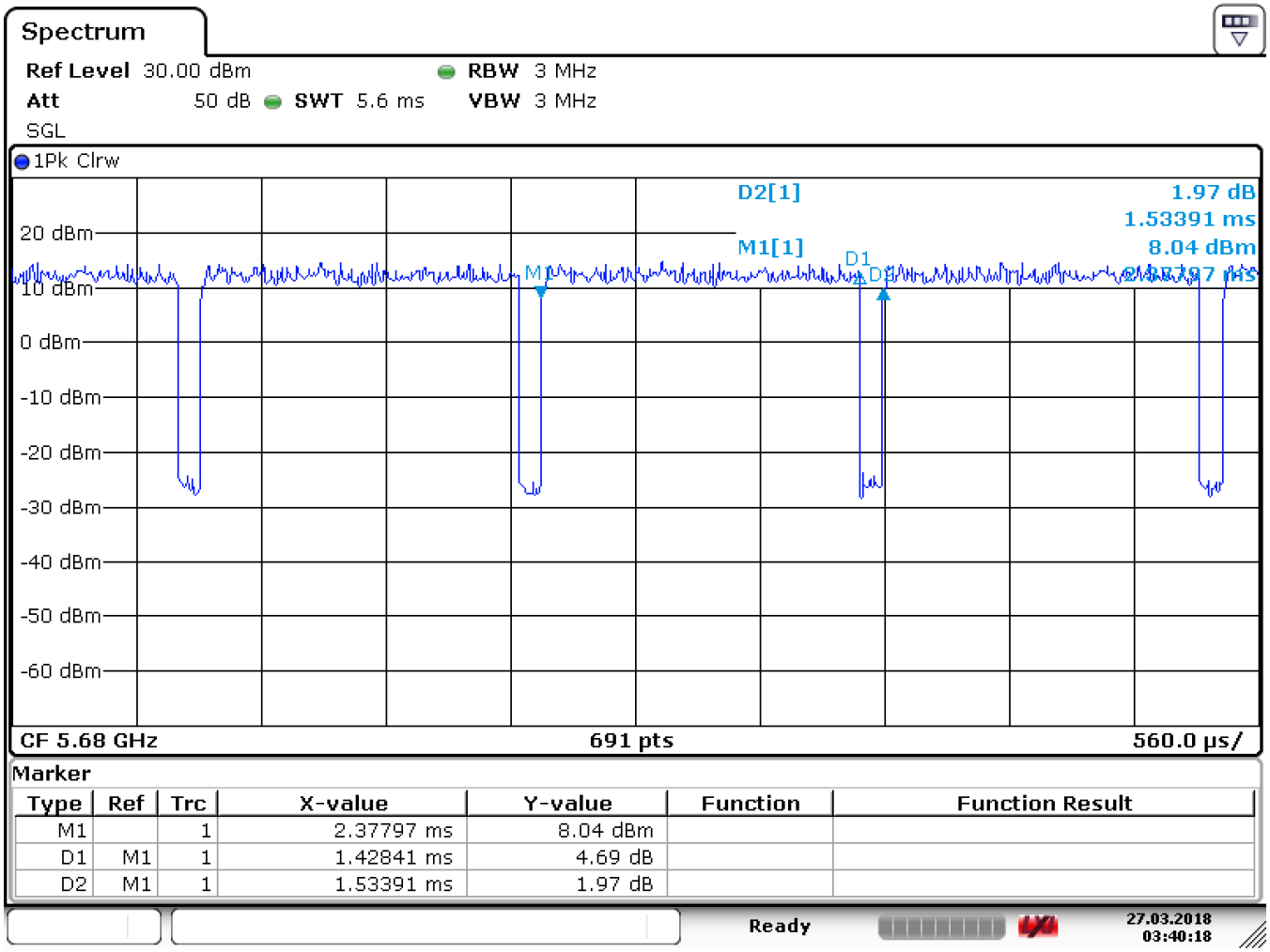
Duty cycle: 1.42841/1.53391=93.12%



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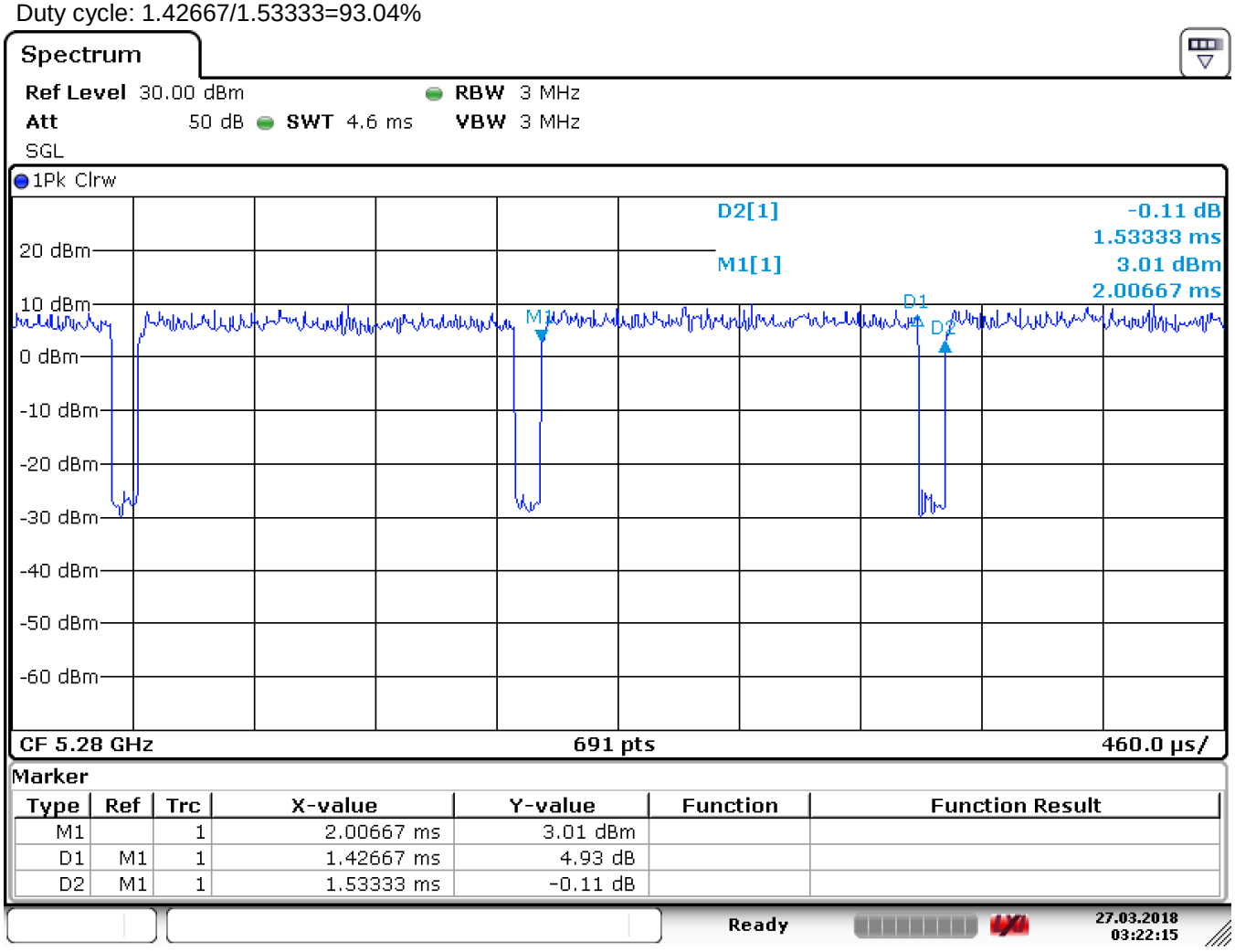
Duty cycle: 1.42667/1.53333=93.04%



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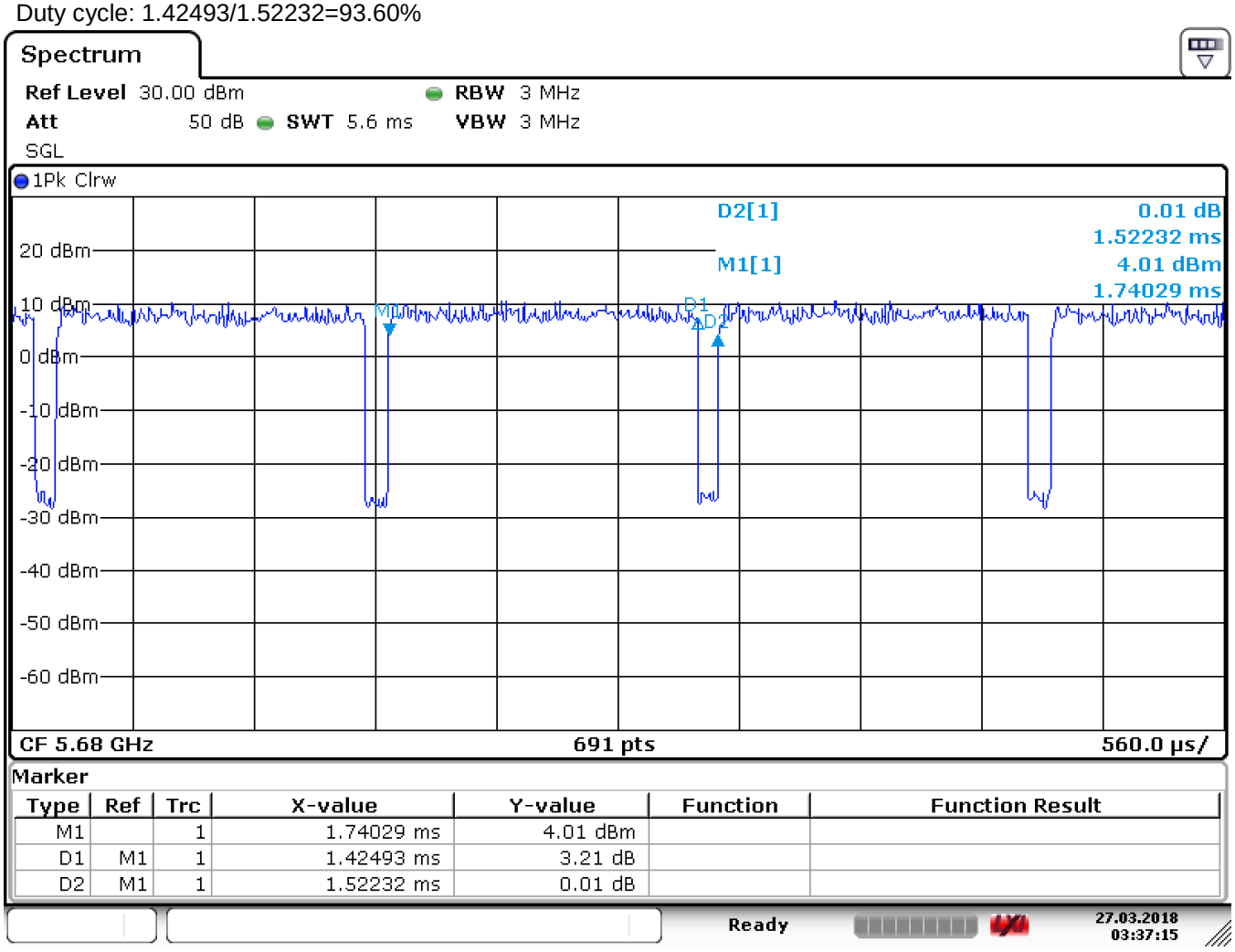
Duty cycle: 1.42493/1.52232=93.60%



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7.2.3.2 Initial Test Position SAR Test Reduction Procedure

DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures. The initial test position procedure is described in the following:

1）. When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other (remaining) test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band. SAR is also not required for that exposure configuration in the subsequent test configuration(s).
2）. When the reported SAR of the initial test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position using subsequent highest extrapolated or estimated 1-g SAR conditions determined by area scans or next closest/smallest test separation distance and maximum RF coupling test positions based on manufacturer justification, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.
3）. For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested. a) Additional power measurements may be required for this step, which should be limited to those necessary for identifying the subsequent highest output power channels.

7.2.3.3 Initial Test Configuration Procedures

An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. SAR is measured using the highest measured maximum output power channel. For configurations with the same specified or measured maximum output power, additional transmission mode and test channel selection procedures are required. SAR test reduction for subsequent highest output test channels is determined according to *reported* SAR of the initial test configuration.
For next to the ear, hotspot mode and UMC mini-tablet exposure configurations where multiple test positions are required, the initial test position procedure is applied to minimize the number of test positions required for SAR measurement using the initial test configuration transmission mode. For fixed exposure conditions that do not have multiple SAR test positions, SAR is measured in the transmission mode determined by the initial test configuration.
When the *reported* SAR of the initial test configuration is > 0.8 W/kg, SAR measurement is required for subsequent next highest measured output power channel(s) in the initial test configuration until *reported* SAR is ≤ 1.2 W/kg or all required channels are tested.

7.2.3.4 Subsequent Test Configuration Procedures

SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. The initial test position procedure is applied to next to the ear, UMPC mini-tablet and hotspot mode configurations. When the same maximum output power is specified for multiple transmission modes, additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. The subsequent test configuration and SAR measurement procedures are described in the following.

1）. When SAR test exclusion provisions of KDB Publication 447498 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.
2）. When the highest *reported* SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is

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adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.

3）. The number of channels in the initial test configuration and subsequent test configuration can be different due to differences in channel bandwidth. When SAR measurement is required for a subsequent test configuration and the channel bandwidth is smaller than that in the initial test configuration, all channels in the subsequent test configuration that overlap with the larger bandwidth channel tested in the initial test configuration should be used to determine the highest maximum output power channel. This step requires additional power measurement to identify the highest maximum output power channel in the subsequent test configuration to determine SAR test reduction.

a) SAR should first be measured for the channel with highest measured output power in the subsequent test configuration.
b) SAR for subsequent highest measured maximum output power channels in the subsequent test configuration is required only when the *reported* SAR of the preceding higher maximum output power channel(s) in the subsequent test configuration is > 1.2 W/kg or until all required channels are tested. i) For channels with the same measured maximum output power, SAR should be measured using the channel closest to the center frequency of the larger channel bandwidth channel in the initial test configuration.

4）. SAR measurements for the remaining highest specified maximum output power OFDM transmission mode configurations that have not been tested in the initial test configuration (highest maximum output) or subsequent test configuration(s) (subsequent next highest maximum output power) is determined by recursively applying the subsequent test configuration procedures in this section to the remaining configurations according to the following:

a) replace “subsequent test configuration” with “next subsequent test configuration” (i.e., subsequent next highest specified maximum output power configuration)
b) replace “initial test configuration” with “all tested higher output power configurations”

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7.2.3.5 2.4 GHz WiFi SAR Procedures

Separate SAR procedures are applied to DSSS and OFDM configurations in the 2.4 GHz band to simplify DSSS test requirements. For 802.11b DSSS SAR measurements, DSSS SAR procedure applies to fixed exposure test position and initial test position procedure applies to multiple exposure test positions. When SAR measurement is required for an OFDM configuration, the initial test configuration, subsequent test configuration and initial test position procedures are applied. The SAR test exclusion requirements for 802.11g/n OFDM configurations are described in following.

- **802.11b DSSS SAR Test Requirements**

SAR is measured for 2.4 GHz 802.11b DSSS using either a fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:

1）. When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.

2）. When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.

- **2.4 GHz 802.11g/n OFDM SAR Test Exclusion Requirements**

When SAR measurement is required for 2.4 GHz 802.11g/n OFDM configurations, the measurement and test reduction procedures for OFDM are applied (section 5.3, including sub-sections). SAR is not required for the following 2.4 GHz OFDM conditions.

1）. When KDB Publication 447498 SAR test exclusion applies to the OFDM configuration.

2）. 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.

- **SAR Test Requirements for OFDM configurations**

When SAR measurement is required for 802.11 g/n OFDM configurations, each standalone and frequency aggregated band is considered separately for SAR test reduction. In applying the initial test configuration and subsequent test configuration procedures, the 802.11 transmission configuration with the highest specified maximum output power and the channel within a test configuration with the highest measured maximum output power should be clearly distinguished to apply the procedures.

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7.2.4 LTE Test Configuration

LTE modes were tested according to FCC KDB 941225 D05 publication. Please see notes after the tabulated SAR data for required test configurations. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. The R&S CMW500 was used for LTE output power measurements and SAR testing. Max power control was used so the UE transmits with maximum output power during SAR testing. SAR must be measured with the maximum TTI (transmit time interval) supported by the device in each LTE configuration.

A) Spectrum Plots for RB Configurations
A properly configured base station simulator was used for SAR tests and power measurements. Therefore, spectrum plots for RB configurations were not required to be included in this report.

B) MPR
MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 V15.1.0 (2017-12) Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

C) A-MPR
A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

D) Largest channel bandwidth standalone SAR test requirements
1) QPSK with 1 RB allocation
Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

2) QPSK with 50% RB allocation
The procedures required for 1 RB allocation in 1) are applied to measure the SAR for QPSK with 50% RB allocation.

3) QPSK with 100% RB allocation
For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 1) and 2) are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

4) Higher order modulations
For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in above sections to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is > ½ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

E) Other channel bandwidth standalone SAR test requirements
For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section A) to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is > ½ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg.

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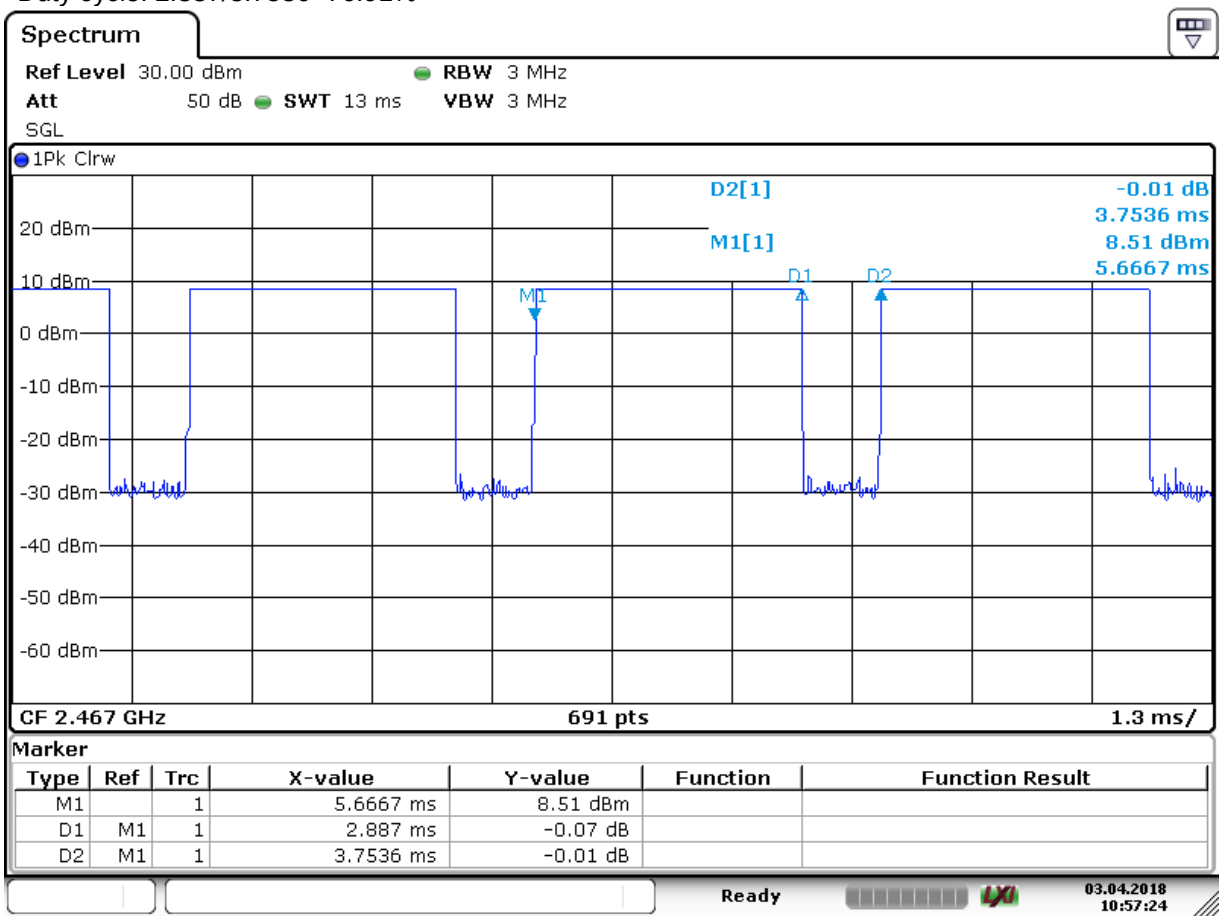
7.2.5 Bluetooth Test Configuration

Since the maximum specified output power of Bluetooth ch0-10, ch59-70 and 71-78 is reduced, we plan to perform the additional conducted power measurement for the every segment .
The general Bluetooth SAR test or test reduction procedures in KDB 248227 will be applied and considered for all required channels

Duty cycle: 2.887/3.7536=76.91%



Date: 3.APR.2018 10:57:24

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8 Test Result

8.1 Measurement of RF Conducted Power

8.1.1 Conducted Power of Main Antenna

8.1.1.1 Conducted Power Of GSM

GSM 850 Full power										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM (GMSK)	GSM	32.23	32.41	32.44	33.5	-9.19	23.04	23.22	23.25	24.31
GPRS/ EGPRS (GMSK)	1 TX Slot	32.21	32.39	32.4	33.5	-9.19	23.02	23.2	23.21	24.31
	2 TX Slots	29.9	30.03	30.02	31	-6.18	23.72	**23.85**	23.84	**24.82**
	3 TX Slots	27.69	27.7	27.71	29	-4.42	23.27	23.28	23.29	24.58
	4 TX Slots	25.6	25.6	25.6	27	-3.17	22.43	22.43	22.43	23.83
EGPRS (8PSK)	1 TX Slot	26.61	26.56	26.41	27.5	-9.19	17.42	17.37	17.22	18.31
	2 TX Slots	24.01	24.61	24	25.5	-6.18	17.83	18.43	17.82	19.32
	3 TX Slots	22.13	22.11	22.01	23.5	-4.42	17.71	17.69	17.59	19.08
	4 TX Slots	20.01	19.99	19.9	21.5	-3.17	16.84	16.82	16.73	18.33

GSM 1900 Full power										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM (GMSK)	GSM	29.73	29.74	29.85	30.2	-9.19	20.54	20.55	20.66	21.01
GPRS/ EGPRS (GMSK)	1 TX Slot	29.75	29.76	29.89	30.2	-9.19	20.56	20.57	20.7	21.01
	2 TX Slots	27.51	27.45	27.43	28.2	-6.18	**21.33**	21.27	21.25	**22.02**
	3 TX Slots	25.16	25.09	25.03	26	-4.42	20.74	20.67	20.61	21.58
	4 TX Slots	23.19	23.04	22.96	24	-3.17	20.02	19.87	19.79	20.83
EGPRS (8PSK)	1 TX Slot	26.27	26.12	26.09	26.5	-9.19	17.08	16.93	16.9	17.31
	2 TX Slots	23.73	23.49	23.39	24.5	-6.18	17.55	17.31	17.21	18.32
	3 TX Slots	21.26	21.18	21.12	22	-4.42	16.84	16.76	16.7	17.58
	4 TX Slots	19.02	18.84	18.74	20	-3.17	15.85	15.67	15.57	16.83
GSM 1900 Body Scene (0mm SAR sensor on Level D1&D4&D5)										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM (GMSK)	GSM	28.39	28.4	28.31	29.2	-9.19	19.2	19.21	19.12	20.01
GPRS/ EGPRS (GMSK)	1 TX Slot	28.45	28.43	28.34	29.2	-9.19	19.26	19.24	19.15	20.01
	2 TX Slots	26.29	26.17	26.14	27.2	-6.18	**20.11**	19.99	19.96	**21.02**
	3 TX Slots	24.02	23.97	23.96	25	-4.42	19.6	19.55	19.54	20.58
	4 TX Slots	21.98	21.85	21.81	23	-3.17	18.81	18.68	18.64	19.83
EGPRS (8PSK)	1 TX Slot	25.21	25.15	25.14	25.5	-9.19	16.02	15.96	15.95	16.31
	2 TX Slots	22.42	22.34	22.32	23.5	-6.18	16.24	16.16	16.14	17.32
	3 TX Slots	20.19	20.18	20.19	21	-4.42	15.77	15.76	15.77	16.58
	4 TX Slots	18.09	18.01	17.98	19	-3.17	14.92	14.84	14.81	15.83

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GSM 1900 Wifi Hotspot on(10mm SAR sensor off)										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM (GMSK)	GSM	25.42	25.37	25.36	26.2	-9.19	16.23	16.18	16.17	17.01
GPRS/ EGPRS (GMSK)	1 TX Slot	25.43	25.38	25.39	26.2	-9.19	16.24	16.19	16.2	17.01
	2 TX Slots	23.21	23.08	23.04	24.2	-6.18	**17.03**	16.9	16.86	**18.02**
	3 TX Slots	21.13	21.05	20.99	22	-4.42	16.71	16.63	16.57	17.58
	4 TX Slots	19.26	19.12	19.06	20	-3.17	16.09	15.95	15.89	16.83
EGPRS (8PSK)	1 TX Slot	21.81	21.82	21.78	22.5	-9.19	12.62	12.63	12.59	13.31
	2 TX Slots	19.58	19.47	19.45	20.5	-6.18	13.4	13.29	13.27	14.32
	3 TX Slots	17.38	17.23	17.26	18	-4.42	12.96	12.81	12.84	13.58
	4 TX Slots	15.24	15.09	15.17	16	-3.17	12.07	11.92	12	12.83
GSM 1900 SAR sensor on+Wifi Hotspot on										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	24.34	24.28	24.27	25.2	-9.19	15.15	15.09	15.08	16.01
GPRS/ EGPRS (GMSK)	1 TX Slot	24.32	24.28	24.27	25.2	-9.19	15.13	15.09	15.08	16.01
	2 TX Slots	22.12	22.03	22.01	23.2	-6.18	**15.94**	15.85	15.83	**17.02**
	3 TX Slots	20.09	20.11	19.93	21	-4.42	15.67	15.69	15.51	16.58
	4 TX Slots	18.19	18.09	17.98	19	-3.17	15.02	14.92	14.81	15.83
EGPRS (8PSK)	1 TX Slot	20.79	20.75	20.72	21.5	-9.19	11.6	11.56	11.53	12.31
	2 TX Slots	18.55	18.47	18.41	19.5	-6.18	12.37	12.29	12.23	13.32
	3 TX Slots	16.38	16.27	16.27	17	-4.42	11.96	11.85	11.85	12.58
	4 TX Slots	14.19	14.02	13.95	15	-3.17	11.02	10.85	10.78	11.83

Table 11：Conducted Power Of GSM

Note:

1）. CMW500 measures GSM peak and average output power for active timeslots. For SAR the time based average power is relevant. The difference in between depends on the duty cycle of the TDMA signal:

No. of timeslots	1	2	3	4
Duty Cycle	1:8.3	1:4.15	1:2.77	1:2.075
Time based avg. power compared to slotted avg. power	-9.19	-6.18	-4.42	-3.17

2）. The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:
Frame-averaged power = 10 x log (Burst-averaged power mW x Slot used / 8

3）. When the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used

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8.1.1.2 Conducted Power Of WCDMA

WCDMA Band II Full power					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	22.76	**22.77**	22.72	24
	12.2kbps AMR	22.75	22.76	22.7	24
HSDPA	Subtest 1	22.51	22.49	22.49	23.5
	Subtest 2	21.53	21.52	21.55	22.5
	Subtest 3	21.02	21.03	21.11	22
	Subtest 4	21.05	21.03	21.01	22
HSUPA	Subtest 1	20.89	21.19	20.85	22
	Subtest 2	18.53	18.53	18.41	19.5
	Subtest 3	21.77	21.37	21.40	22.5
	Subtest 4	19.69	19.19	19.15	20.5
	Subtest 5	22.5	22.7	22.4	23.5
DC-HSDPA	Subtest 1	22.55	22.52	22.56	23.5
	Subtest 2	21.51	21.56	21.55	22.5
	Subtest 3	21.06	21.03	21.18	22
	Subtest 4	21.08	21.03	21.07	22
WCDMA Band II Body Scene (0mm SAR sensor on Level D1&D4&D5)					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	20.33	**20.37**	20.36	21.5
	12.2kbps AMR	20.31	20.35	20.33	21.5
HSDPA	Subtest 1	19.4	19.35	19.37	21
	Subtest 2	18.8	19.01	18.89	20
	Subtest 3	18.21	18.31	18.25	19.5
	Subtest 4	18.22	18.21	18.25	19.5
HSUPA	Subtest 1	18.37	18.09	18.63	19.5
	Subtest 2	16.27	15.98	15.7	17
	Subtest 3	19	18.72	18.42	20
	Subtest 4	16.9	16.92	17.52	18
	Subtest 5	19.8	19.8	19.8	21
DC-HSDPA	Subtest 1	19.46	19.39	19.41	21
	Subtest 2	18.85	19.05	18.89	20
	Subtest 3	18.23	18.39	18.31	19.5
	Subtest 4	18.26	18.21	18.29	19.5
WCDMA Band II Wifi Hotspot on(10mm SAR sensor off)					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	**17.43**	17.39	17.36	18.5
	12.2kbps AMR	17.41	17.36	17.31	18.5
HSDPA	Subtest 1	16.51	16.58	16.52	18
	Subtest 2	15.85	15.92	15.93	17
	Subtest 3	15.31	15.3	15.28	16.5

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	Subtest 4	15.23	15.24	15.28	16.5
HSUPA	Subtest 1	15.46	15.31	15.15	16.5
	Subtest 2	12.35	11.97	12.06	14
	Subtest 3	16.25	15.36	15.67	17
	Subtest 4	14.14	13.61	13.50	15
	Subtest 5	16.85	16.62	16.57	18
DC-HSDPA	Subtest 1	16.62	16.48	16.85	18
	Subtest 2	15.95	16.08	16.06	17
	Subtest 3	15.41	15.4	15.38	16.5
	Subtest 4	15.35	15.31	15.39	16.5
WCDMA Band II SAR sensor on+Wifi Hotspot on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	14.89	**14.91**	14.78	16
	12.2kbps AMR	14.82	14.86	14.74	16
HSDPA	Subtest 1	14.21	14.2	14.35	15.5
	Subtest 2	13.21	13.35	13.35	14.5
	Subtest 3	12.98	12.89	12.88	14
	Subtest 4	13.01	12.99	12.89	14
HSUPA	Subtest 1	13.81	13.74	13.57	14
	Subtest 2	9.99	9.58	9.39	11.5
	Subtest 3	12.70	12.89	12.88	14.5
	Subtest 4	10.71	11.06	10.86	12.5
	Subtest 5	14.24	14.42	14.23	15.5
DC-HSDPA	Subtest 1	14.31	14.3	14.48	15.5
	Subtest 2	13.36	13.49	13.49	14.5
	Subtest 3	13.09	12.99	12.98	14
	Subtest 4	13.11	13.11	12.99	14

WCDMA Band IV Full power					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	**22.17**	22.16	22.15	23.2
	12.2kbps AMR	22.15	22.14	22.13	23.2
HSDPA	Subtest 1	21.55	21.49	21.45	22.5
	Subtest 2	20.45	20.39	20.41	21.5
	Subtest 3	20.46	20.49	20.4	21
	Subtest 4	19.96	19.89	19.85	21
HSUPA	Subtest 1	20.71	20.35	20.50	21
	Subtest 2	18.03	17.86	17.60	19.5
	Subtest 3	20.48	20.49	21.12	21.5
	Subtest 4	18.75	18.64	19.30	19.5
	Subtest 5	21.9	21.8	21.8	22.5
DC-HSDPA	Subtest 1	21.7	21.65	21.6	22.5
	Subtest 2	20.6	20.53	20.56	21.5

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	Subtest 3	20.61	20.69	20.55	21
	Subtest 4	20.15	20.04	20.01	21
WCDMA Band IV Body Scene(0mm SAR sensor on Level D1&D4&D5)					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	**20.71**	20.68	20.64	21.7
	12.2kbps AMR	20.7	20.65	20.62	21.7
HSDPA	Subtest 1	20.02	20.01	20.06	21
	Subtest 2	18.96	19.01	19.03	20
	Subtest 3	18.56	18.55	18.65	19.5
	Subtest 4	15.49	18.51	18.55	19.5
HSUPA	Subtest 1	18.31	18.49	18.79	19.5
	Subtest 2	16.2	16.33	16.58	18
	Subtest 3	19.01	19.1	19.24	20
	Subtest 4	17.06	17.04	17.2	18
	Subtest 5	20.1	20.1	20.1	21
DC-HSDPA	Subtest 1	20.15	20.14	20.13	21
	Subtest 2	19.08	19.14	19.14	20
	Subtest 3	18.69	18.65	18.78	19.5
	Subtest 4	15.61	18.64	18.62	19.5
WCDMA Band IV Wifi Hotspot on(10mm SAR sensor off)					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	**19.25**	19.15	19.16	20.2
	12.2kbps AMR	19.23	19.12	19.1	20.2
HSDPA	Subtest 1	18.57	18.63	18.76	19.5
	Subtest 2	17.51	17.51	17.49	18.5
	Subtest 3	17.01	17.03	16.99	18
	Subtest 4	16.85	16.89	16.98	18
HSUPA	Subtest 1	17.45	17.29	17.19	18
	Subtest 2	14.69	14.07	13.89	16.5
	Subtest 3	16.39	16.41	17.18	18.5
	Subtest 4	15.44	14.65	14.48	16.5
	Subtest 5	18.65	18.70	18.60	19.5
DC-HSDPA	Subtest 1	18.68	18.74	18.89	19.5
	Subtest 2	17.62	17.62	17.62	18.5
	Subtest 3	17.13	17.14	17.1	18
	Subtest 4	16.98	17.02	16.99	18
WCDMA Band IV SAR sensor on+Wifi Hotspot on					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	**17.75**	17.65	17.66	18.7
	12.2kbps AMR	17.73	17.61	17.6	18.7
HSDPA	Subtest 1	17.03	17.09	17.06	18
	Subtest 2	16.01	16.03	16.11	17
	Subtest 3	15.51	15.56	15.61	16.5

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	Subtest 4	15.53	15.52	15.59	16.5
HSUPA	Subtest 1	15.23	15.29	15.34	16.5
	Subtest 2	12.39	12.36	12.37	15
	Subtest 3	14.89	14.91	14.68	17
	Subtest 4	14.19	13.90	13.04	15
	Subtest 5	17.02	16.95	17.02	18
DC-HSDPA	Subtest 1	17.19	17.22	17.18	18
	Subtest 2	16.14	16.18	16.24	17
	Subtest 3	15.68	15.69	15.72	16.5
	Subtest 4	15.69	15.65	15.71	16.5

WCDMA Band V Full power					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	23.02	**23.14**	22.99	24.5
	12.2kbps AMR	22.96	23.11	22.95	24.5
HSDPA	Subtest 1	22.79	22.91	22.76	24
	Subtest 2	21.96	21.89	21.88	23.5
	Subtest 3	22.01	22.05	22.03	23
	Subtest 4	22.08	22.01	22.06	23
HSUPA	Subtest 1	22.66	22.99	22.49	23.5
	Subtest 2	20.36	20.15	20.45	21
	Subtest 3	22.91	23.48	23.29	24
	Subtest 4	21.03	21.51	20.59	22
	Subtest 5	23.3	23.3	23.3	24
DC-HSDPA	Subtest 1	22.93	23.11	22.96	24
	Subtest 2	22.09	22.02	22.09	23.5
	Subtest 3	22.21	22.22	22.16	23
	Subtest 4	22.29	22.14	22.31	23

Table 12：Conducted Power Of WCDMA

Note:

1) when the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used.

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8.1.1.3 Conducted Power Of LTE

LTE Band 2 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	22.8	22.86	22.81	23.6
		1	2	22.19	22.53	22.09	23.6
		1	5	22.8	22.69	22.61	23.6
		3	0	22.78	22.66	22.63	23.6
		3	2	22.79	23	22.76	23.6
		3	3	22.8	22.72	22.87	23.6
		6	0	21.84	21.59	21.89	22.6
	16QAM	1	0	22.04	22.02	22.11	22.6
		1	2	22.14	21.82	21.55	22.6
		1	5	22.17	22.13	21.98	22.6
		3	0	21.76	21.62	21.95	22.6
		3	2	21.75	21.77	21.66	22.6
		3	3	21.84	21.9	21.69	22.6
		6	0	20.74	20.81	20.67	21.6
	64QAM	1	0	20.81	20.8	20.64	21.6
		1	2	20.5	20.41	20.39	21.6
		1	5	20.8	20.87	20.7	21.6
		3	0	20.7	20.59	20.36	21.6
		3	2	20.52	20.51	20.39	21.6
		3	3	20.51	20.53	20.42	21.6
		6	0	19.45	19.49	19.43	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	22.86	22.78	22.92	23.6
		1	7	22.72	21.83	22.42	23.6
		1	14	22.82	22.75	22.57	23.6
		8	0	21.76	21.74	21.75	22.6
		8	4	21.59	21.78	21.59	22.6
		8	7	21.61	21.63	21.79	22.6
		15	0	21.82	21.91	21.94	22.6
	16QAM	1	0	22.17	22.4	21.9	22.6
		1	7	20.58	22.2	21.14	22.6
		1	14	22.25	22.24	22.03	22.6
		8	0	20.88	20.8	20.61	21.6
		8	4	20.69	20.9	20.77	21.6
		8	7	20.52	20.73	20.69	21.6
		15	0	20.6	20.76	20.68	21.6
	64QAM	1	0	21.54	20.84	20.63	21.6
		1	7	21.55	20.73	20.71	21.6
		1	14	21.55	20.66	20.51	21.6
		8	0	20.5	19.55	19.45	20.6

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		8	4	20.48	19.57	19.47	20.6
		8	7	20.54	19.59	19.54	20.6
		15	0	20.51	19.58	19.45	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	22.91	22.75	22.74	23.6
		1	13	22.84	22.8	22.95	23.6
		1	24	22.64	22.62	22.92	23.6
		12	0	21.81	21.87	21.77	22.6
		12	6	21.75	21.84	21.76	22.6
		12	13	21.77	21.75	21.87	22.6
		25	0	21.71	21.76	21.72	22.6
	16QAM	1	0	22.18	22.24	21.99	22.6
		1	13	21.71	21.96	21.74	22.6
		1	24	22.14	21.72	21.97	22.6
		12	0	20.82	20.86	20.91	21.6
		12	6	20.83	20.86	20.89	21.6
		12	13	20.74	20.63	20.73	21.6
		25	0	20.81	20.68	20.75	21.6
	64QAM	1	0	21.53	20.7	20.62	21.6
		1	13	21.26	20.39	20.27	21.6
		1	24	21.58	20.74	20.54	21.6
		12	0	20.58	19.72	19.62	20.6
		12	6	20.53	19.68	19.42	20.6
		12	13	20.56	19.6	19.46	20.6
		25	0	20.56	19.64	19.57	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	22.91	22.68	22.79	23.6
		1	25	22.42	22.67	22.82	23.6
		1	49	22.71	22.66	22.75	23.6
		25	0	21.73	21.91	21.7	22.6
		25	13	21.69	21.86	21.74	22.6
		25	25	21.77	21.72	21.77	22.6
		50	0	21.71	21.75	21.81	22.6
	16QAM	1	0	21.98	22.12	22.02	22.6
		1	25	21.34	21.79	21.33	22.6
		1	49	22.13	21.7	21.37	22.6
		25	0	20.76	20.66	20.79	21.6
		25	13	20.65	20.59	20.74	21.6
		25	25	20.61	20.62	20.63	21.6
		50	0	20.76	20.62	20.64	21.6
	64QAM	1	0	21.56	20.68	20.77	21.6
		1	25	21.42	20.38	20.37	21.6
		1	49	21.57	20.78	20.56	21.6
		25	0	20.59	19.67	19.58	20.6
		25	13	20.59	19.6	19.58	20.6

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		25	25	20.55	19.64	19.47	20.6
		50	0	20.57	19.53	19.57	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	22.86	22.88	22.77	23.6
		1	38	22.74	22.79	22.75	23.6
		1	74	22.76	22.72	22.71	23.6
		36	0	21.77	21.76	21.84	22.6
		36	18	21.88	21.73	21.74	22.6
		36	39	21.86	21.7	21.85	22.6
		75	0	21.74	21.69	21.73	22.6
	16QAM	1	0	21.7	22.13	21.95	22.6
		1	38	22.39	22.12	22.19	22.6
		1	74	22.04	22.14	22.18	22.6
		36	0	20.86	20.76	20.65	21.6
		36	18	20.73	20.49	20.67	21.6
		36	39	20.66	20.77	20.68	21.6
		75	0	20.63	20.64	20.67	21.6
	64QAM	1	0	21.53	20.65	20.62	21.6
		1	38	21.58	20.86	20.81	21.6
		1	74	21.55	20.76	20.6	21.6
		36	0	19.61	20.58	20.57	20.6
		36	18	19.51	20.53	20.51	20.6
		36	39	19.55	20.33	20.27	20.6
		75	0	19.51	19.58	19.51	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	**22.96**	22.8	22.91	23.6
		1	50	22.73	22.42	22.65	23.6
		1	99	22.81	22.72	22.82	23.6
		50	0	**21.87**	21.87	21.69	22.6
		50	25	21.81	21.72	21.63	22.6
		50	50	21.71	21.65	21.8	22.6
		100	0	21.81	21.8	21.69	22.6
	16QAM	1	0	22.45	22.39	21.98	22.6
		1	50	21.15	21.68	21.88	22.6
		1	99	21.6	21.83	22.09	22.6
		50	0	20.79	20.81	20.79	21.6
		50	25	20.75	20.61	20.56	21.6
		50	50	20.74	20.64	20.63	21.6
		100	0	20.72	20.74	20.65	21.6
	64QAM	1	0	21.57	20.95	20.66	21.6
		1	50	21.4	20.41	20.33	21.6
		1	99	21.54	20.72	20.7	21.6
		50	0	20.58	19.59	19.64	20.6
		50	25	20.53	19.54	19.62	20.6

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		50	50	20.58	19.63	19.58	20.6
		100	0	20.57	19.61	19.52	20.6

LTE Band 2 Body Scene(0mm SAR sensor on Level D1&D4&D5)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	19.78	19.79	19.76	20.6
		1	2	19.82	19.46	19.95	20.6
		1	5	19.77	19.74	19.62	20.6
		3	0	19.76	19.8	19.69	20.6
		3	2	19.36	19.71	19.81	20.6
		3	3	19.64	19.74	19.7	20.6
		6	0	19.77	19.66	19.59	20.6
	16QAM	1	0	20.2	20.02	20.14	20.6
		1	2	19.74	20.43	20.43	20.6
		1	5	20.27	20.01	20.05	20.6
		3	0	19.97	19.61	19.56	20.6
		3	2	19.42	19.79	19.83	20.6
		3	3	19.27	19.86	19.7	20.6
		6	0	19.86	19.84	19.59	20.6
	64QAM	1	0	19.73	19.84	19.58	20.6
		1	2	19.52	19.5	19.46	20.6
		1	5	19.71	19.73	19.64	20.6
		3	0	19.61	19.6	19.45	20.6
		3	2	19.4	19.43	19.34	20.6
		3	3	19.52	19.56	19.45	20.6
		6	0	19.5	19.52	19.47	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	19.77	19.97	19.73	20.6
		1	7	19.29	18.79	18.9	20.6
		1	14	19.82	19.9	19.65	20.6
		8	0	19.73	19.89	19.57	20.6
		8	4	19.85	19.85	19.64	20.6
		8	7	19.74	19.7	19.78	20.6
		15	0	19.8	19.8	19.65	20.6
	16QAM	1	0	19.89	20.07	20.17	20.6
		1	7	19.08	20.4	19.15	20.6
		1	14	19.98	20.16	20.25	20.6
		8	0	19.72	19.83	19.95	20.6
		8	4	19.89	19.77	19.89	20.6
		8	7	19.82	19.72	19.49	20.6
		15	0	19.77	19.79	19.71	20.6
	64QAM	1	0	19.74	19.73	19.54	20.6
		1	7	19.72	19.69	19.61	20.6

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		1	14	19.7	19.74	19.59	20.6
		8	0	19.54	19.56	19.39	20.6
		8	4	19.45	19.54	19.42	20.6
		8	7	19.56	19.52	19.43	20.6
		15	0	19.6	19.56	19.41	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	19.79	19.92	19.81	20.6
		1	13	19.92	19.84	20.01	20.6
		1	24	19.84	19.71	19.74	20.6
		12	0	19.93	19.91	19.87	20.6
		12	6	19.8	19.72	19.84	20.6
		12	13	19.77	19.76	19.8	20.6
		25	0	19.89	19.74	19.79	20.6
	16QAM	1	0	20.19	20.35	20.13	20.6
		1	13	20.06	19.99	20.17	20.6
		1	24	20.1	20.34	20.29	20.6
		12	0	19.94	19.91	19.87	20.6
		12	6	19.73	19.76	19.77	20.6
		12	13	19.78	19.83	19.79	20.6
		25	0	19.82	19.82	19.73	20.6
	64QAM	1	0	19.62	19.82	19.62	20.6
		1	13	19.01	19.38	19.19	20.6
		1	24	19.59	19.69	19.66	20.6
		12	0	19.67	19.67	19.58	20.6
		12	6	19.61	19.65	19.42	20.6
		12	13	19.62	19.68	19.44	20.6
		25	0	19.62	19.51	19.51	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	19.83	20.06	19.76	20.6
		1	25	19.28	19.41	19.53	20.6
		1	49	19.75	19.81	19.75	20.6
		25	0	19.95	19.93	19.9	20.6
		25	13	19.97	19.91	19.75	20.6
		25	25	19.74	19.78	19.89	20.6
		50	0	19.95	19.92	19.82	20.6
	16QAM	1	0	20.52	20.44	20.06	20.6
		1	25	19.83	19.77	19.73	20.6
		1	49	20.26	20.2	20.22	20.6
		25	0	19.92	19.78	19.83	20.6
		25	13	19.8	19.67	19.65	20.6
		25	25	19.75	19.69	19.86	20.6
		50	0	19.75	19.74	19.75	20.6
	64QAM	1	0	19.72	19.69	19.66	20.6
		1	25	19.41	19.46	19.21	20.6
		1	49	19.7	19.71	19.67	20.6

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		25	0	19.62	19.54	19.53	20.6
		25	13	19.59	19.53	19.53	20.6
		25	25	19.5	19.59	19.45	20.6
		50	0	19.59	19.63	19.53	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	19.96	19.87	19.83	20.6
		1	38	19.95	19.84	19.77	20.6
		1	74	19.77	19.85	19.67	20.6
		36	0	19.98	19.97	19.88	20.6
		36	18	19.87	19.9	19.83	20.6
		36	39	19.81	19.86	19.83	20.6
		75	0	19.91	19.97	19.74	20.6
	16QAM	1	0	20	20.54	19.79	20.6
		1	38	20.3	20	19.9	20.6
		1	74	20.24	20.24	20.03	20.6
		36	0	19.93	19.94	19.89	20.6
		36	18	19.76	19.81	19.76	20.6
		36	39	19.74	19.88	19.75	20.6
		75	0	19.83	19.78	19.76	20.6
	64QAM	1	0	19.56	19.72	19.68	20.6
		1	38	19.54	19.74	19.72	20.6
		1	74	19.5	19.64	19.68	20.6
		36	0	19.48	19.67	19.73	20.6
		36	18	19.71	19.83	19.78	20.6
		36	39	18.84	19.37	19.37	20.6
		75	0	19.51	19.55	19.48	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	**19.98**	19.89	19.9	20.6
		1	50	19.62	19.42	18.91	20.6
		1	99	19.96	19.88	19.91	20.6
		50	0	**20.05**	20	20.04	20.6
		50	25	19.94	19.89	19.77	20.6
		50	50	19.94	19.92	19.76	20.6
		100	0	19.95	19.97	19.87	20.6
	16QAM	1	0	20.45	20.35	20.21	20.6
		1	50	19.4	20.02	20.27	20.6
		1	99	20.1	20.33	20.01	20.6
		50	0	20.02	19.95	19.85	20.6
		50	25	19.86	19.83	19.72	20.6
		50	50	19.88	19.74	19.68	20.6
		100	0	19.86	19.85	19.81	20.6
	64QAM	1	0	19.77	19.75	19.76	20.6
		1	50	19.29	19.59	19.42	20.6
		1	99	19.63	19.68	19.76	20.6

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		50	0	19.66	19.55	19.63	20.6
		50	25	19.5	19.53	19.57	20.6
		50	50	19.53	19.64	19.63	20.6
		100	0	19.63	19.54	19.63	20.6

LTE Band 2 Wifi Hotspot on(10mm SAR sensor off)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	16.85	16.74	16.76	17.6
		1	2	16.34	16.7	16.68	17.6
		1	5	16.85	16.74	16.61	17.6
		3	0	16.62	16.67	16.58	17.6
		3	2	16.72	16.06	16.65	17.6
		3	3	16.35	16.65	16.61	17.6
		6	0	16.69	16.62	16.61	17.6
	16QAM	1	0	16.81	17.06	17	17.6
		1	2	16.55	17.02	16.52	17.6
		1	5	17.2	16.76	16.97	17.6
		3	0	16.75	16.5	16.65	17.6
		3	2	16.64	16.91	16.7	17.6
		3	3	16.41	16.79	16.35	17.6
		6	0	16.66	16.3	16.36	17.6
	64QAM	1	0	16.63	16.84	16.78	17.6
		1	2	16.58	16.62	16.56	17.6
		1	5	16.64	16.75	16.77	17.6
		3	0	16.58	16.65	16.45	17.6
		3	2	16.48	16.39	16.44	17.6
		3	3	16.47	16.5	16.51	17.6
		6	0	16.48	16.62	16.37	17.6
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	16.73	16.85	16.64	17.6
		1	7	16.61	16.41	16.04	17.6
		1	14	16.73	16.72	16.64	17.6
		8	0	16.74	16.77	16.69	17.6
		8	4	16.64	16.74	16.64	17.6
		8	7	16.68	16.74	16.59	17.6
		15	0	16.61	16.7	16.81	17.6
	16QAM	1	0	16.95	16.86	17.11	17.6
		1	7	16.75	16.08	16.07	17.6
		1	14	17.1	17.19	17.08	17.6
		8	0	16.72	16.74	16.43	17.6
		8	4	16.88	16.79	16.43	17.6
		8	7	16.75	16.7	16.37	17.6
		15	0	16.63	16.62	16.67	17.6

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	64QAM	1	0	16.68	16.75	16.75	17.6
		1	7	16.79	16.8	16.72	17.6
		1	14	16.68	16.79	16.79	17.6
		8	0	16.59	16.55	16.53	17.6
		8	4	16.6	16.55	16.45	17.6
		8	7	16.57	16.48	16.46	17.6
		15	0	16.64	16.63	16.49	17.6
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	16.66	16.76	16.75	17.6
		1	13	16.65	16.74	16.79	17.6
		1	24	16.63	16.68	16.83	17.6
		12	0	16.71	16.86	16.83	17.6
		12	6	16.51	16.87	16.6	17.6
		12	13	16.83	16.72	16.74	17.6
		25	0	16.67	16.75	16.67	17.6
	16QAM	1	0	17.24	17.13	17.26	17.6
		1	13	16.6	17	17.12	17.6
		1	24	16.94	16.99	17.26	17.6
		12	0	16.61	16.78	16.82	17.6
		12	6	16.61	16.83	16.8	17.6
		12	13	16.71	16.63	16.78	17.6
		25	0	16.55	16.63	16.55	17.6
	64QAM	1	0	16.77	16.81	16.76	17.6
		1	13	16.23	16.29	16.35	17.6
		1	24	16.57	16.83	16.73	17.6
		12	0	16.69	16.63	16.65	17.6
		12	6	16.63	16.61	16.46	17.6
		12	13	16.61	16.7	16.5	17.6
		25	0	16.61	16.56	16.57	17.6
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	16.74	16.83	16.8	17.6
		1	25	17.11	16.46	16.57	17.6
		1	49	16.78	16.81	16.65	17.6
		25	0	16.68	16.74	16.81	17.6
		25	13	16.7	16.68	16.63	17.6
		25	25	16.65	16.66	16.77	17.6
		50	0	16.62	16.73	16.64	17.6
	16QAM	1	0	16.77	17.08	17.02	17.6
		1	25	16.28	16.26	16.68	17.6
		1	49	17.14	17	16.95	17.6
		25	0	16.85	16.77	16.64	17.6
		25	13	16.55	16.68	16.56	17.6
		25	25	16.62	16.59	16.69	17.6
		50	0	16.57	16.54	16.53	17.6
	64QAM	1	0	16.62	16.8	16.68	17.6

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		1	25	16.67	16.53	16.49	17.6
		1	49	16.67	16.72	16.66	17.6
		25	0	16.67	16.6	16.61	17.6
		25	13	16.65	16.54	16.43	17.6
		25	25	16.53	16.64	16.48	17.6
		50	0	16.65	16.64	16.57	17.6
Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	16.73	16.77	16.71	17.6
		1	38	16.66	16.72	16.59	17.6
		1	74	16.63	16.7	16.74	17.6
		36	0	16.76	16.81	16.72	17.6
		36	18	16.68	16.73	16.64	17.6
		36	39	16.66	16.81	16.66	17.6
		75	0	16.69	16.84	16.83	17.6
	16QAM	1	0	17.03	16.99	17.04	17.6
		1	38	16.53	16.95	16.89	17.6
		1	74	16.34	17.16	17.15	17.6
		36	0	16.7	16.73	16.62	17.6
		36	18	16.66	16.61	16.67	17.6
		36	39	16.61	16.67	16.59	17.6
		75	0	16.65	16.78	16.58	17.6
	64QAM	1	0	16.71	16.7	16.79	17.6
		1	38	16.58	16.77	16.76	17.6
		1	74	16.63	16.62	16.64	17.6
		36	0	16.73	16.71	16.74	17.6
		36	18	16.57	16.68	16.86	17.6
		36	39	16.09	16.32	16.12	17.6
		75	0	16.65	16.56	16.53	17.6
Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	**16.84**	16.83	16.78	17.6
		1	50	16.3	16.62	16.48	17.6
		1	99	16.71	16.72	16.73	17.6
		50	0	**16.8**	16.8	16.7	17.6
		50	25	16.63	16.73	16.7	17.6
		50	50	16.74	16.67	16.63	17.6
		100	0	16.81	16.71	16.81	17.6
	16QAM	1	0	17.5	17.19	17.08	17.6
		1	50	17.1	16.12	16.18	17.6
		1	99	17.14	16.99	17.04	17.6
		50	0	16.71	16.75	16.72	17.6
		50	25	16.57	16.65	16.58	17.6
		50	50	16.64	16.69	16.57	17.6
		100	0	16.74	16.62	16.75	17.6
	64QAM	1	0	16.86	16.81	16.7	17.6

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		1	50	16.53	16.53	16.51	17.6
		1	99	16.75	16.85	16.83	17.6
		50	0	16.54	16.58	16.66	17.6
		50	25	16.63	16.69	16.47	17.6
		50	50	16.64	16.63	16.56	17.6
		100	0	16.69	16.7	16.67	17.6

LTE Band 2 SAR sensor on+Wifi Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	12.81	12.92	12.91	14.6
		1	2	12.87	13.03	12.95	14.6
		1	5	12.84	13.05	12.76	14.6
		3	0	12.81	12.95	12.28	14.6
		3	2	12.83	13	12.01	14.6
		3	3	12.78	13.02	12.78	14.6
		6	0	12.8	12.98	12.87	14.6
	16QAM	1	0	13.05	13.21	12.89	14.6
		1	2	13.24	13.16	13.01	14.6
		1	5	13.03	13.82	12.88	14.6
		3	0	12.89	12.91	12.77	14.6
		3	2	13.15	13.23	12.98	14.6
		3	3	12.93	12.97	12.79	14.6
		6	0	13	13.09	12.71	14.6
	64QAM	1	0	13.32	13.45	13.16	14.6
		1	2	13.36	13.63	12.62	14.6
		1	5	13.32	13.61	11.88	14.6
		3	0	13.2	13.37	12.49	14.6
		3	2	13.29	13.44	12.49	14.6
		3	3	13.23	13.42	11.97	14.6
		6	0	13.18	13.35	12.27	14.6
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	13.21	13.41	13.45	14.6
		1	7	13.5	13.49	13.44	14.6
		1	14	13.24	13.28	11.92	14.6
		8	0	13.36	13.38	13.47	14.6
		8	4	13.46	13.44	12.94	14.6
		8	7	13.29	13.45	13.04	14.6
		15	0	13.4	13.26	12.93	14.6
	16QAM	1	0	13.57	13.89	13.91	14.6
		1	7	13.53	13.91	13.45	14.6
		1	14	13.73	13.59	12.47	14.6
		8	0	13.55	13.49	13.32	14.6
		8	4	13.42	13.44	13.05	14.6

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		8	7	13.25	13.59	13.12	14.6
		15	0	13.52	13.34	12.88	14.6
		1	0	13.35	13.84	13.76	14.6
		1	7	13.57	13.88	13.53	14.6
		1	14	13.29	13.64	11.91	14.6
	64QAM	8	0	13.38	13.57	13.41	14.6
		8	4	13.46	13.6	12.79	14.6
		8	7	13.27	13.59	12.84	14.6
		15	0	13.44	13.44	12.84	14.6
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
		1	0	13.33	13.57	13.74	14.6
		1	13	13.42	13.44	13.59	14.6
		1	24	13.13	13.34	12.09	14.6
	QPSK	12	0	13.51	13.51	13.53	14.6
		12	6	13.45	13.48	13.64	14.6
		12	13	13.25	13.38	12.92	14.6
		25	0	13.43	13.32	13.28	14.6
		1	0	13.92	13.79	14.27	14.6
		1	13	13.89	14.04	14.11	14.6
		1	24	13.26	13.78	12.46	14.6
5MHz	16QAM	12	0	13.51	13.49	13.49	14.6
		12	6	13.53	13.52	13.53	14.6
		12	13	13.28	13.49	12.91	14.6
		25	0	13.47	13.34	13.15	14.6
		1	0	13.48	13.83	13.96	14.6
		1	13	13.51	13.87	13.77	14.6
		1	24	13.19	13.67	11.98	14.6
	64QAM	12	0	13.54	13.68	13.7	14.6
		12	6	13.45	13.65	13.63	14.6
		12	13	13.2	13.55	12.79	14.6
		25	0	13.42	13.43	13.2	14.6
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
		1	0	13.45	13.48	13.63	14.6
		1	25	13.42	13.42	13.61	14.6
		1	49	13	13.09	12.19	14.6
	QPSK	25	0	13.47	13.42	13.85	14.6
		25	13	13.52	13.31	13.45	14.6
		25	25	13.34	13.2	13.08	14.6
10MHz		50	0	13.41	13.37	13.41	14.6
		1	0	13.84	14.02	14.01	14.6
		1	25	13.66	14.07	14.19	14.6
		1	49	13.39	13.43	12.28	14.6
	16QAM	25	0	13.41	13.37	13.78	14.6
		25	13	13.56	13.3	13.25	14.6
		25	25	13.38	13.25	13	14.6

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		50	0	13.39	13.37	13.34	14.6
	64QAM	1	0	13.55	13.85	13.99	14.6
		1	25	13.45	13.89	13.81	14.6
		1	49	12.82	13.37	12.14	14.6
		25	0	13.42	13.56	13.91	14.6
		25	13	13.4	13.43	13.5	14.6
		25	25	13.13	13.25	13	14.6
		50	0	13.27	13.42	13.4	14.6
Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	13.66	13.73	13.63	14.6
		1	38	13.53	13.51	13.49	14.6
		1	74	13.24	13.23	12.59	14.6
		36	0	13.72	13.45	13.6	14.6
		36	18	13.49	13.33	13.69	14.6
		36	39	13.42	13.59	13.25	14.6
		75	0	13.49	13.55	13.81	14.6
	16QAM	1	0	14.13	14.3	13.97	14.6
		1	38	13.91	13.2	14.15	14.6
		1	74	13.99	13.64	12.71	14.6
		36	0	13.75	13.47	13.6	14.6
		36	18	13.51	13.35	13.68	14.6
		36	39	13.44	13.63	13.26	14.6
		75	0	13.45	13.58	13.76	14.6
	64QAM	1	0	13.72	13.92	13.58	14.6
		1	38	13.35	13.84	13.86	14.6
		1	74	13.03	13.24	12.54	14.6
		36	0	13.59	13.57	13.53	14.6
		36	18	13.24	13.46	13.74	14.6
		36	39	13.11	13.6	13.26	14.6
		75	0	13.23	13.58	13.78	14.6
Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	13.48	13.42	13.58	14.6
		1	50	13.53	13.51	**13.59**	14.6
		1	99	12.76	13.07	12.59	14.6
		50	0	13.8	13.56	**13.67**	14.6
		50	25	13.42	13.41	13.65	14.6
		50	50	13.55	13.28	13.38	14.6
		100	0	13.78	13.39	13.61	14.6
	16QAM	1	0	13.78	13.98	13.93	14.6
		1	50	14.07	13.88	14.13	14.6
		1	99	13.2	13.46	12.98	14.6
		50	0	13.74	13.53	13.61	14.6
		50	25	13.44	13.4	13.61	14.6
		50	50	13.5	13.25	13.35	14.6

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		100	0	13.7	13.28	13.56	14.6
	64QAM	1	0	13.5	13.64	13.37	14.6
		1	50	13.12	13.83	13.71	14.6
		1	99	12.77	12.97	12.71	14.6
		50	0	13.58	13.63	13.39	14.6
		50	25	13.12	13.5	13.64	14.6
		50	50	13.28	13.2	13.41	14.6
		100	0	13.52	13.35	13.43	14.6

LTE Band 4 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	21.99	22.06	22.17	23
		1	2	22.11	22.3	21.98	23
		1	5	22.16	21.98	22.08	23
		3	0	22.04	21.96	21.78	23
		3	2	22.06	21.24	22.03	23
		3	3	21.99	22.03	21.84	23
		6	0	20.96	20.99	20.98	22
	16QAM	1	0	21.22	21.36	21.27	22
		1	2	21.2	20.77	20.52	22
		1	5	21.34	21.57	21.65	22
		3	0	21.29	20.86	20.77	22
		3	2	20.92	20.94	21.28	22
		3	3	21.21	20.88	20.92	22
		6	0	19.99	20.09	19.94	21
	64QAM	1	0	20.13	20.14	20.12	21
		1	2	19.88	19.78	19.76	21
		1	5	20.15	20.17	20.11	21
		3	0	19.98	19.83	19.93	21
		3	2	19.71	19.8	19.68	21
		3	3	19.82	19.84	19.79	21
		6	0	18.82	18.87	18.83	20
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	22.1	22.16	22.14	23
		1	7	22.16	21.26	21.93	23
		1	14	21.97	22.17	21.98	23
		8	0	21	20.88	20.51	22
		8	4	20.94	20.91	20.97	22
		8	7	21.02	21.11	20.92	22
		15	0	21.07	21.08	21.04	22
	16QAM	1	0	21.29	21.62	21.12	22
		1	7	21.27	20.26	21.1	22

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		1	14	21.54	21.33	21.15	22
		8	0	20.01	19.92	20.14	21
		8	4	20	19.71	20.01	21
		8	7	20.03	19.9	19.94	21
		15	0	19.98	19.98	19.88	21
	64QAM	1	0	20.91	20.16	19.98	21
		1	7	20.92	20.16	20.04	21
		1	14	20.98	20.12	20	21
		8	0	19.83	18.88	18.82	20
		8	4	19.82	18.87	18.82	20
		8	7	19.79	18.81	18.81	20
		15	0	19.83	18.82	18.89	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	21.91	21.93	21.79	23
		1	13	21.78	21.76	21.71	23
		1	24	21.79	21.73	21.72	23
		12	0	20.95	20.87	20.74	22
		12	6	20.74	20.92	20.52	22
		12	13	20.91	20.91	20.86	22
		25	0	20.86	20.88	20.79	22
	16QAM	1	0	21.34	21.43	21.34	22
		1	13	21.09	21.01	20.67	22
		1	24	20.58	20.53	21	22
		12	0	19.84	19.84	19.89	21
		12	6	19.73	19.65	19.87	21
		12	13	19.77	19.64	19.68	21
		25	0	19.8	19.67	19.63	21
	64QAM	1	0	20.62	19.84	19.85	21
		1	13	19.85	19.37	19.46	21
		1	24	20.61	19.83	19.71	21
		12	0	19.64	18.72	18.64	20
		12	6	19.56	18.63	18.59	20
		12	13	19.58	18.59	18.59	20
		25	0	19.69	18.67	18.69	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	22.15	22.1	22.06	23
		1	25	21.55	22	21.37	23
		1	49	21.99	21.94	22.01	23
		25	0	20.95	21.16	21.11	22
		25	13	20.98	20.96	21	22
		25	25	20.97	20.97	21	22
		50	0	20.97	21.04	20.89	22
	16QAM	1	0	21.48	21.3	21.62	22
		1	25	20.95	19.79	21.03	22
		1	49	21.23	21.52	21.02	22

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		25	0	20.05	20	19.92	21
		25	13	19.88	19.92	19.95	21
		25	25	20.07	19.97	19.85	21
		50	0	19.98	19.9	19.94	21
		1	0	20.89	19.98	20.11	21
		1	25	20.74	19.82	19.82	21
		1	49	20.88	19.92	19.91	21
	64QAM	25	0	19.87	18.98	18.93	20
		25	13	19.81	18.89	18.94	20
		25	25	19.87	18.95	18.88	20
		50	0	19.82	18.91	18.93	20
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	22.14	22.15	22.11	23
		1	38	22.02	22.07	21.88	23
		1	74	21.96	21.93	21.94	23
		36	0	21	21.07	20.98	22
		36	18	21.03	20.96	20.97	22
		36	39	20.92	20.96	21.09	22
		75	0	21.04	20.97	21.01	22
	16QAM	1	0	21.41	20.55	20.9	22
		1	38	21.48	21.03	20.87	22
		1	74	21.38	21.16	20.46	22
		36	0	19.97	19.96	20.07	21
		36	18	19.99	19.95	19.99	21
		36	39	19.98	20	19.9	21
		75	0	20.04	20	19.95	21
	64QAM	1	0	20.93	20.05	19.97	21
		1	38	20.91	20.14	20.1	21
		1	74	20.91	20.05	19.97	21
		36	0	19.01	19.91	19.94	20
		36	18	18.8	19.95	19.93	20
		36	39	19.01	19.56	19.42	20
		75	0	19.88	18.86	18.84	20
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	21.87	21.93	21.9	23
		1	50	21.93	22.03	21.97	23
		1	99	**22.06**	22.01	21.86	23
		50	0	20.94	21.03	21.08	22
		50	25	**21.13**	20.88	20.91	22
		50	50	20.9	20.87	20.94	22
		100	0	21.1	21.02	21	22
	16QAM	1	0	21.34	21.33	21.28	22
		1	50	21.37	20.87	21.41	22
		1	99	21.11	21.16	21.32	22
		50	0	19.97	20.01	19.98	21

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		50	25	19.87	19.88	19.94	21
		50	50	19.88	19.86	19.99	21
		100	0	19.83	19.99	19.95	21
	64QAM	1	0	20.76	19.92	19.94	21
		1	50	20.8	19.89	19.84	21
		1	99	20.92	20.14	20.13	21
		50	0	19.99	19.02	18.83	20
		50	25	19.93	18.94	18.91	20
		50	50	19.99	18.92	18.92	20
		100	0	19.85	18.99	18.82	20

LTE Band 4 Body Scene(0mm SAR sensor on Level D1&D4&D5)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	19.49	19.47	19.48	20.5
		1	2	19.43	19.71	19.6	20.5
		1	5	19.59	19.6	19.46	20.5
		3	0	19.37	19.49	19.54	20.5
		3	2	19.13	19.79	19.71	20.5
		3	3	19.34	19.48	19.48	20.5
		6	0	19.47	19.45	19.35	20.5
	16QAM	1	0	19.37	20.14	19.92	20.5
		1	2	19.8	19.67	19.16	20.5
		1	5	19.99	19.91	19.8	20.5
		3	0	19.32	19.51	19.35	20.5
		3	2	19.71	19.47	19.79	20.5
		3	3	19.46	19.43	19.35	20.5
		6	0	19.73	19.42	19.48	20.5
	64QAM	1	0	19.52	19.62	19.62	20.5
		1	2	19.32	19.18	19.31	20.5
		1	5	19.51	19.64	19.61	20.5
		3	0	19.46	19.46	19.34	20.5
		3	2	19.38	19.22	19.21	20.5
		3	3	19.26	19.39	19.29	20.5
		6	0	19.25	18.76	18.92	20.5
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	19.46	19.53	19.59	20.5
		1	7	18.81	19.2	19.4	20.5
		1	14	19.5	19.62	19.49	20.5
		8	0	19.6	19.64	19.45	20.5
		8	4	19.55	19.31	19.32	20.5
		8	7	19.45	19.59	19.54	20.5
		15	0	19.62	19.48	19.47	20.5
	16QAM	1	0	19.96	19.98	19.75	20.5

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		1	7	18.32	19.55	18.92	20.5
		1	14	19.74	20.08	19.78	20.5
		8	0	19.5	19.6	19.6	20.5
		8	4	19.46	19.51	19.55	20.5
		8	7	19.61	19.44	19.48	20.5
		15	0	19.38	19.46	19.38	20.5
	64QAM	1	0	20.11	20.08	20.06	20.5
		1	7	20.08	20.23	20.08	20.5
		1	14	20.12	20	20.05	20.5
		8	0	18.9	18.89	18.77	20.5
		8	4	18.86	18.79	18.85	20.5
		8	7	18.83	18.91	18.8	20.5
		15	0	18.88	18.96	18.93	20.5
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	19.46	19.34	19.38	20.5
		1	13	19.26	19.27	19.26	20.5
		1	24	19.36	19.39	19.2	20.5
		12	0	19.41	19.35	19.39	20.5
		12	6	19.37	19.17	19.47	20.5
		12	13	19.33	19.35	19.26	20.5
		25	0	19.38	19.31	19.32	20.5
	16QAM	1	0	19.7	19.59	19.73	20.5
		1	13	19.65	19.34	19.25	20.5
		1	24	19.42	20	19.88	20.5
		12	0	19.33	19.32	19.37	20.5
		12	6	19.32	19.07	19.35	20.5
		12	13	19.34	19.4	19.39	20.5
		25	0	19.36	19.34	19.19	20.5
	64QAM	1	0	19.9	19.93	19.86	20.5
		1	13	20.15	19.46	19.45	20.5
		1	24	19.89	19.88	19.72	20.5
		12	0	19.79	18.76	18.75	20.5
		12	6	19.66	18.73	18.67	20.5
		12	13	19.77	18.59	18.66	20.5
		25	0	19.71	18.69	18.59	20.5
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	19.74	19.66	19.67	20.5
		1	25	19.5	19.24	19.17	20.5
		1	49	19.6	19.56	19.47	20.5
		25	0	19.68	19.65	19.63	20.5
		25	13	19.68	19.62	19.62	20.5
		25	25	19.66	19.55	19.5	20.5
		50	0	19.64	19.57	19.56	20.5
	16QAM	1	0	19.75	20.06	19.84	20.5
		1	25	19.66	19.69	19.21	20.5

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		1	49	19.98	20.09	19.72	20.5
		25	0	19.61	19.61	19.62	20.5
		25	13	19.54	19.49	19.44	20.5
		25	25	19.58	19.5	19.42	20.5
		50	0	19.63	19.47	19.53	20.5
	64QAM	1	0	19.6	20.11	20.11	20.5
		1	25	19.11	19.69	19.76	20.5
		1	49	19.35	19.99	20.04	20.5
		25	0	19.98	18.97	18.91	20.5
		25	13	19.83	18.95	18.95	20.5
		25	25	19.89	18.91	18.93	20.5
		50	0	19.88	18.95	18.97	20.5
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	19.56	19.61	19.58	20.5
		1	38	19.81	19.67	19.68	20.5
		1	74	19.49	19.51	19.44	20.5
		36	0	19.72	19.69	19.74	20.5
		36	18	19.64	19.63	19.6	20.5
		36	39	19.64	19.57	19.49	20.5
		75	0	19.65	19.7	19.69	20.5
	16QAM	1	0	19.95	20.08	20.27	20.5
		1	38	19.97	20.05	20.06	20.5
		1	74	19.99	19.95	19.82	20.5
		36	0	19.64	19.73	19.67	20.5
		36	18	19.67	19.64	19.6	20.5
		36	39	19.57	19.46	19.53	20.5
		75	0	19.63	19.65	19.58	20.5
	64QAM	1	0	20.16	20.03	19.98	20.5
		1	38	20.1	20.08	20.05	20.5
		1	74	20.12	20.08	19.92	20.5
		36	0	20.14	19.98	19.99	20.5
		36	18	20.12	20.1	20.1	20.5
		36	39	19.75	19.62	19.55	20.5
		75	0	18.89	18.88	18.82	20.5
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	19.53	19.55	19.63	20.5
		1	50	19.33	19.26	19.03	20.5
		1	99	19.69	**19.7**	19.49	20.5
		50	0	19.69	**19.72**	19.71	20.5
		50	25	19.69	19.55	19.63	20.5
		50	50	19.57	19.54	19.65	20.5
		100	0	19.76	19.69	19.66	20.5
	16QAM	1	0	20.17	20	19.95	20.5
		1	50	19.9	20.04	19.67	20.5
		1	99	20.06	20.14	19.24	20.5

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		50	0	19.6	19.54	19.69	20.5
		50	25	19.51	19.53	19.55	20.5
		50	50	19.53	19.48	19.63	20.5
		100	0	19.62	19.57	19.63	20.5
	64QAM	1	0	19.8	19.89	19.92	20.5
		1	50	19.7	19.87	19.7	20.5
		1	99	20.01	20.23	20.18	20.5
		50	0	19.98	18.98	18.88	20.5
		50	25	19.94	18.93	18.89	20.5
		50	50	19.95	18.9	18.97	20.5
		100	0	19.98	18.85	18.91	20.5

LTE Band 4 Wifi Hotspot on(10mm SAR sensor off)				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	19.08	18.99	19.16	20
		1	2	19.09	18.84	18.71	20
		1	5	19.12	19.13	18.99	20
		3	0	18.92	19.01	19.18	20
		3	2	19.07	18.95	19.06	20
		3	3	19	18.93	18.78	20
		6	0	19.09	18.99	19.21	20
	16QAM	1	0	19.69	19.11	19.61	20
		1	2	18.91	19.29	18.79	20
		1	5	19.32	19.26	19.49	20
		3	0	19.07	18.94	19.05	20
		3	2	19.02	18.78	18.83	20
		3	3	18.87	19.04	18.9	20
		6	0	18.93	18.94	19.16	20
	64QAM	1	0	19.02	19.16	19.12	20
		1	2	18.92	18.88	18.79	20
		1	5	18.96	19.11	19.14	20
		3	0	18.91	18.91	18.86	20
		3	2	18.89	18.79	18.73	20
		3	3	18.82	18.85	18.82	20
		6	0	18.85	18.9	18.89	20
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	19.12	19.05	19.23	20
		1	7	18.54	17.95	17.97	20
		1	14	19.01	19.05	19.14	20
		8	0	19.22	18.99	19.09	20
		8	4	18.87	19.06	18.86	20
		8	7	19.1	19.07	18.93	20
		15	0	19.18	19	19.09	20

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	16QAM	1	0	19.61	19.16	19.66	20
		1	7	18.56	18.43	18.77	20
		1	14	19.41	19.13	19.48	20
		8	0	19.03	18.96	19.11	20
		8	4	18.75	18.99	18.94	20
		8	7	19.02	18.99	18.88	20
		15	0	18.94	19.02	18.94	20
	64QAM	1	0	19.1	19.12	19.2	20
		1	7	18.97	19.17	19.07	20
		1	14	18.96	19.11	19.08	20
		8	0	18.87	18.86	18.89	20
		8	4	18.82	18.86	18.85	20
		8	7	18.8	18.77	18.79	20
		15	0	18.83	18.85	18.88	20
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	18.82	18.83	18.85	20
		1	13	18.81	18.84	18.91	20
		1	24	18.86	18.78	18.93	20
		12	0	18.83	18.84	18.82	20
		12	6	18.74	18.79	18.73	20
		12	13	18.92	18.76	18.82	20
		25	0	18.87	18.67	18.79	20
	16QAM	1	0	19.06	19.27	18.91	20
		1	13	19.22	19.04	18.87	20
		1	24	18.94	19.34	19.47	20
		12	0	18.81	18.78	18.81	20
		12	6	18.86	18.8	18.61	20
		12	13	18.95	18.68	18.66	20
		25	0	18.73	18.8	18.78	20
	64QAM	1	0	18.78	18.89	18.82	20
		1	13	18.15	18.43	18.34	20
		1	24	18.65	18.78	18.86	20
		12	0	18.65	18.72	18.67	20
		12	6	18.59	18.68	18.58	20
		12	13	18.65	18.6	18.6	20
		25	0	18.62	18.66	18.68	20
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	19.2	19.18	19.13	20
		1	25	18.91	18.25	18.81	20
		1	49	19.03	19.14	19.02	20
		25	0	19.02	19.17	19.15	20
		25	13	18.99	19.05	19.13	20
		25	25	19.11	18.95	19.13	20
		50	0	19.1	19.03	19.13	20
	16QAM	1	0	19.41	19.52	19.63	20

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		1	25	19.61	19.31	19.38	20
		1	49	19.69	19.55	19.34	20
		25	0	18.98	19.09	18.99	20
		25	13	18.88	19	19.07	20
		25	25	18.98	19.01	19.09	20
		50	0	19.06	18.98	19.09	20
	64QAM	1	0	19.03	19.14	19.02	20
		1	25	18.99	18.83	18.82	20
		1	49	19.01	18.97	19.07	20
		25	0	18.92	18.96	18.94	20
		25	13	18.82	18.82	18.92	20
		25	25	18.85	18.83	18.95	20
		50	0	18.8	18.83	18.9	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	19.01	19.4	19.12	20
		1	38	19.19	19.13	19.11	20
		1	74	19.01	18.82	18.99	20
		36	0	19.18	19.2	19.19	20
		36	18	19.15	19.03	19.25	20
		36	39	19.04	18.93	19.19	20
		75	0	19.17	19.22	19.15	20
	16QAM	1	0	19.43	19.33	19.27	20
		1	38	19.6	19.43	19.29	20
		1	74	19.4	19.21	19.24	20
		36	0	19.09	19.03	19.03	20
		36	18	19.16	18.98	19.11	20
		36	39	19.08	19.04	19.11	20
		75	0	19.12	18.96	19.12	20
	64QAM	1	0	19.18	19.05	18.97	20
		1	38	19.2	19.2	18.97	20
		1	74	19.13	18.98	18.96	20
		36	0	19.18	19.1	19.08	20
		36	18	19.21	19.12	19.15	20
		36	39	18.54	18.46	18.39	20
		75	0	18.88	18.89	18.82	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	19.09	18.85	18.87	20
		1	50	18.79	18.9	18.26	20
		1	99	**19.18**	19.06	19.06	20
		50	0	**19.17**	19.12	18.99	20
		50	25	19.04	18.98	19.07	20
		50	50	19.06	19.06	19.06	20
		100	0	19.1	19.13	19.04	20
	16QAM	1	0	19.45	19.21	19.25	20
		1	50	19.45	18.89	19	20

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		1	99	19.5	19.48	19.28	20
		50	0	19.11	19.15	19	20
		50	25	19.11	18.95	19.02	20
		50	50	18.89	18.91	19.04	20
		100	0	19.09	19.06	18.96	20
	64QAM	1	0	18.89	18.88	18.96	20
		1	50	18.85	18.84	18.74	20
		1	99	18.93	19.15	19.18	20
		50	0	18.87	19.03	18.88	20
		50	25	18.99	18.97	18.91	20
		50	50	18.96	18.94	18.83	20
		100	0	18.94	18.96	18.77	20

LTE Band 4 SAR sensor on+Wifi Hotspot on				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	16.68	16.47	16.44	17.5
		1	2	16.37	16.41	16.36	17.5
		1	5	16.6	16.57	16.46	17.5
		3	0	16.39	16.36	16.39	17.5
		3	2	16.49	15.64	16.31	17.5
		3	3	16.47	16.43	16.32	17.5
		6	0	16.47	16.28	16.46	17.5
	16QAM	1	0	16.81	16.83	16.66	17.5
		1	2	15.84	16.56	16.59	17.5
		1	5	17.07	16.58	16.89	17.5
		3	0	16.44	16.4	16.33	17.5
		3	2	16.3	16.25	16.17	17.5
		3	3	16.48	16.49	16.1	17.5
		6	0	16.36	16.31	16.43	17.5
	64QAM	1	0	16.49	16.54	16.7	17.5
		1	2	16.19	16.39	16.36	17.5
		1	5	16.45	16.56	16.57	17.5
		3	0	16.49	16.36	16.43	17.5
		3	2	16.26	16.31	16.28	17.5
		3	3	16.47	16.41	16.36	17.5
		6	0	16.29	16.38	16.36	17.5
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	16.6	16.59	16.58	17.5
		1	7	16.53	15.53	15.7	17.5
		1	14	16.6	16.45	16.61	17.5
		8	0	16.55	16.67	16.62	17.5
		8	4	16.59	16.6	16.5	17.5
		8	7	16.28	16.47	16.53	17.5

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		15	0	16.59	16.71	16.6	17.5
	16QAM	1	0	16.71	17.11	16.89	17.5
		1	7	16.82	15.44	15.77	17.5
		1	14	16.88	16.6	17.16	17.5
		8	0	16.5	16.49	16.58	17.5
		8	4	16.52	16.57	16.65	17.5
		8	7	16.32	16.58	16.39	17.5
		15	0	16.52	16.68	16.66	17.5
	64QAM	1	0	16.64	16.59	16.54	17.5
		1	7	16.61	16.53	16.61	17.5
		1	14	16.58	16.63	16.59	17.5
		8	0	16.44	16.38	16.35	17.5
		8	4	16.46	16.37	16.4	17.5
		8	7	16.4	16.34	16.35	17.5
		15	0	16.53	16.44	16.48	17.5
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	16.29	16.38	16.45	17.5
		1	13	16.23	16.45	16.26	17.5
		1	24	16.26	16.19	16.34	17.5
		12	0	16.43	16.48	16.36	17.5
		12	6	16.39	16.4	16.23	17.5
		12	13	16.31	16.34	16.45	17.5
		25	0	16.26	16.31	16.33	17.5
	16QAM	1	0	16.89	16.67	16.51	17.5
		1	13	16.78	16.37	16.8	17.5
		1	24	16.62	16.74	16.8	17.5
		12	0	16.43	16.34	16.28	17.5
		12	6	16.39	16.16	16.39	17.5
		12	13	16.33	16.37	16.42	17.5
		25	0	16.28	16.26	16.26	17.5
	64QAM	1	0	16.23	16.3	16.27	17.5
		1	13	15.76	15.9	15.68	17.5
		1	24	16.18	16.4	16.38	17.5
		12	0	16.19	16.21	16.21	17.5
		12	6	16.13	16.16	16.18	17.5
		12	13	16.17	16.26	16.19	17.5
		25	0	16.22	16.11	16.24	17.5
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	16.53	16.69	16.69	17.5
		1	25	16.49	16.29	16.43	17.5
		1	49	16.53	16.62	16.45	17.5
		25	0	16.58	16.6	16.59	17.5
		25	13	16.61	16.53	16.59	17.5
		25	25	16.63	16.58	16.67	17.5
		50	0	16.53	16.68	16.54	17.5

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	16QAM	1	0	16.88	17	16.97	17.5
		1	25	16.48	16.77	16.53	17.5
		1	49	16.96	16.39	16.96	17.5
		25	0	16.45	16.5	16.48	17.5
		25	13	16.44	16.53	16.44	17.5
		25	25	16.57	16.49	16.61	17.5
		50	0	16.46	16.63	16.49	17.5
	64QAM	1	0	16.46	16.68	16.52	17.5
		1	25	16.18	16.13	16.31	17.5
		1	49	16.5	16.54	16.52	17.5
		25	0	16.39	16.5	16.4	17.5
		25	13	16.38	16.39	16.4	17.5
		25	25	16.41	16.4	16.41	17.5
		50	0	16.41	16.35	16.41	17.5
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	16.44	16.61	16.61	17.5
		1	38	16.69	16.66	16.54	17.5
		1	74	16.55	16.53	16.4	17.5
		36	0	16.51	16.59	16.6	17.5
		36	18	16.67	16.63	16.59	17.5
		36	39	16.66	16.66	16.7	17.5
		75	0	16.52	16.53	16.6	17.5
	16QAM	1	0	16.82	16.67	16.81	17.5
		1	38	16.87	17.04	16.73	17.5
		1	74	16.75	17.13	16.96	17.5
		36	0	16.55	16.5	16.54	17.5
		36	18	16.6	16.6	16.51	17.5
		36	39	16.63	16.59	16.67	17.5
		75	0	16.42	16.45	16.5	17.5
	64QAM	1	0	16.58	16.66	16.47	17.5
		1	38	16.77	16.64	16.44	17.5
		1	74	16.51	16.57	16.48	17.5
		36	0	16.44	16.52	16.37	17.5
		36	18	16.42	16.37	16.37	17.5
		36	39	16.41	16.37	16.39	17.5
		75	0	16.42	16.48	16.34	17.5
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	16.3	16.41	16.47	17.5
		1	50	16.04	16.4	16.27	17.5
		1	99	**16.62**	16.6	16.55	17.5
		50	0	**16.66**	16.62	16.59	17.5
		50	25	16.59	16.6	16.44	17.5
		50	50	16.54	16.59	16.56	17.5
		100	0	16.53	16.57	16.53	17.5
	16QAM	1	0	16.87	16.95	16.76	17.5

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		1	50	16.34	16.25	16.75	17.5
		1	99	16.98	16.69	16.77	17.5
		50	0	16.58	16.58	16.68	17.5
		50	25	16.42	16.51	16.47	17.5
		50	50	16.59	16.39	16.62	17.5
		100	0	16.41	16.52	16.54	17.5
	64QAM	1	0	16.42	16.46	16.36	17.5
		1	50	16.35	16.37	16.51	17.5
		1	99	16.54	16.56	16.52	17.5
		50	0	16.42	16.52	16.32	17.5
		50	25	16.38	16.23	16.29	17.5
		50	50	16.51	16.13	16.26	17.5
		100	0	16.53	16.23	16.31	17.5

LTE Band 5 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20407	Channel 20525	Channel 20643	Tune up
1.4MHz	QPSK	1	0	22.6	22.6	22.61	24
		1	2	22.52	22.63	22.56	24
		1	5	22.5	22.57	22.52	24
		3	0	22.6	22.58	22.51	24
		3	2	22.44	22.31	22.5	24
		3	3	22.33	22.46	22.54	24
		6	0	21.75	21.42	21.51	23
	16QAM	1	0	21.68	21.83	21.88	23
		1	2	20.99	21.18	21.18	23
		1	5	21.83	21.92	21.75	23
		3	0	21.55	21.47	21.46	23
		3	2	21.55	21.57	21.43	23
		3	3	21.62	21.21	21.37	23
		6	0	20.56	20.3	20.65	22
	64QAM	1	0	21.82	20.86	20.88	22
		1	2	21.47	20.65	20.73	22
		1	5	21.87	20.86	21.08	22
		3	0	21.75	20.75	20.69	22
		3	2	21.57	20.67	20.6	22
		3	3	21.66	20.71	20.7	22
		6	0	20.55	19.65	19.65	21
Bandwidth	Modulation	RB size	RB offset	Channel 20415	Channel 20525	Channel 20635	Tune up
3MHz	QPSK	1	0	22.56	22.68	22.57	24
		1	7	22.73	22.34	22.35	24
		1	14	22.56	22.57	22.44	24
		8	0	21.22	21.59	21.58	23
		8	4	21.49	21.61	21.63	23

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		8	7	21.63	21.49	21.38	23
		15	0	21.76	21.46	21.47	23
	16QAM	1	0	21.64	22.19	21.57	23
		1	7	21.5	20.92	21.75	23
		1	14	22	21.71	21.71	23
		8	0	20.52	20.5	20.65	22
		8	4	20.48	20.6	20.57	22
		8	7	20.4	20.5	20.49	22
		15	0	20.53	20.57	20.53	22
	64QAM	1	0	21.76	20.91	20.73	22
		1	7	21.94	20.9	20.81	22
		1	14	21.84	20.94	20.81	22
		8	0	20.66	19.73	19.74	21
		8	4	20.72	19.68	19.59	21
		8	7	20.68	19.74	19.76	21
		15	0	20.72	19.76	19.63	21
Bandwidth	Modulation	RB size	RB offset	Channel 20425	Channel 20525	Channel 20625	Tune up
5MHz	QPSK	1	0	22.17	22.2	22.14	24
		1	13	22.26	22.22	22.1	24
		1	24	22.19	22.12	21.93	24
		12	0	21.14	21.24	21.19	23
		12	6	20.98	20.97	21.08	23
		12	13	21.16	21.08	21.12	23
		25	0	21.2	21.07	21.06	23
	16QAM	1	0	21.56	21.56	21.21	23
		1	13	21.58	21.21	21.39	23
		1	24	21.63	20.78	21.4	23
		12	0	20.08	20.2	20.21	22
		12	6	20.11	20.19	20.22	22
		12	13	20.16	20.18	20.03	22
		25	0	20.24	20.03	20.11	22
	64QAM	1	0	21.25	20.44	20.49	22
		1	13	20.61	20.05	19.98	22
		1	24	21.36	20.35	20.39	22
		12	0	20.26	19.29	19.35	21
		12	6	20.24	19.26	19.16	21
		12	13	20.25	19.28	19.16	21
		25	0	20.24	19.21	19.15	21
Bandwidth	Modulation	RB size	RB offset	Channel 20450	Channel 20525	Channel 20600	Tune up
10MHz	QPSK	1	0	22.6	**22.66**	22.47	24
		1	25	22.31	21.78	22.38	24
		1	49	22.59	22.66	22.41	24
		25	0	21.57	**21.68**	21.6	23
		25	13	21.57	21.68	21.58	23
		25	25	21.59	21.65	21.63	23

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		50	0	21.72	21.65	21.51	23
	16QAM	1	0	21.88	21.84	22.05	23
		1	25	21.1	21.15	21.02	23
		1	49	22.18	21.3	21.88	23
		25	0	20.58	20.52	20.44	22
		25	13	20.7	20.57	20.39	22
		25	25	20.56	20.46	20.61	22
		50	0	20.6	20.47	20.43	22
	64QAM	1	0	21.74	20.85	21.05	22
		1	25	21.55	20.61	20.51	22
		1	49	21.76	20.77	20.76	22
		25	0	20.72	19.75	19.76	21
		25	13	20.74	19.7	19.74	21
		25	25	20.68	19.71	19.63	21
		50	0	20.71	19.7	19.8	21

LTE FDD Band 12 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	22.34	22.3	22.33	23.5
		1	2	21.27	22.03	21.95	23.5
		1	5	22.49	22.25	22.24	23.5
		3	0	22.2	22.1	22.35	23.5
		3	2	22.18	22.12	22.03	23.5
		3	3	22.3	21.96	22.17	23.5
		6	0	21.41	20.93	21.12	22.5
	16QAM	1	0	21.62	21.61	21.31	22.5
		1	2	20.85	21.77	21.17	22.5
		1	5	21.4	21.25	21.19	22.5
		3	0	21.39	21	21.39	22.5
		3	2	21.45	21.1	21.16	22.5
		3	3	21.19	21.43	21.45	22.5
		6	0	20.45	20.23	20.23	21.5
	64QAM	1	0	20.35	20.54	20.64	21.5
		1	2	20.41	20.26	20.21	21.5
		1	5	20.23	20.55	20.5	21.5
		3	0	20.39	20.36	20.33	21.5
		3	2	20.31	20.31	20.28	21.5
		3	3	20.29	20.26	20.35	21.5
		6	0	19.31	19.25	19.35	20.5
Bandwidth	Modulation	RB size	RB offset	Channel 23025	Channel 23095	Channel 23165	Tune up
3MHz	QPSK	1	0	22.45	22.28	22.03	23.5
		1	7	21.29	21.47	21.27	23.5
		1	14	22.22	22.23	22.25	23.5

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		8	0	21.25	21.32	21.08	22.5
		8	4	21.14	21.36	20.78	22.5
		8	7	21.2	21.13	21.3	22.5
		15	0	21.26	21.37	21.23	22.5
	16QAM	1	0	21.61	21.43	21.04	22.5
		1	7	20.04	21.37	20.71	22.5
		1	14	21.69	21.6	21.51	22.5
		8	0	20.13	20.2	20.11	21.5
		8	4	20.12	20.04	20.15	21.5
		8	7	20.35	20	19.97	21.5
		15	0	20.15	20.21	20.21	21.5
	64QAM	1	0	20.33	20.5	20.48	21.5
		1	7	20.53	20.54	20.59	21.5
		1	14	20.63	20.44	20.47	21.5
		8	0	19.42	19.37	19.29	20.5
		8	4	19.21	19.24	19.32	20.5
		8	7	19.12	19.29	19.39	20.5
		15	0	19.24	19.24	19.31	20.5
Bandwidth	Modulation	RB size	RB offset	Channel 23035	Channel 23095	Channel 23155	Tune up
5MHz	QPSK	1	0	22.25	22.29	22.27	23.5
		1	13	22.4	22.3	22.14	23.5
		1	24	22.24	22.32	22.43	23.5
		12	0	21.34	21.32	21.2	22.5
		12	6	21.27	21.22	21.17	22.5
		12	13	21.35	21.33	21.35	22.5
		25	0	21.32	21.11	21.23	22.5
	16QAM	1	0	21.16	21.61	21.51	22.5
		1	13	21.22	21.39	21.01	22.5
		1	24	21.62	21.08	21.69	22.5
		12	0	20.16	20.27	20.27	21.5
		12	6	20.17	20.35	20.18	21.5
		12	13	20.23	20.24	20.28	21.5
		25	0	20.18	20.15	20.23	21.5
	64QAM	1	0	20.47	20.44	20.42	21.5
		1	13	20.71	20.06	20.07	21.5
		1	24	20.53	20.57	20.49	21.5
		12	0	19.3	19.47	19.37	20.5
		12	6	19.42	19.41	19.3	20.5
		12	13	19.43	19.44	19.5	20.5
		25	0	19.34	19.39	19.26	20.5
Bandwidth	Modulation	RB size	RB offset	Channel 23060	Channel 23095	Channel 23130	Tune up
10MHz	QPSK	1	0	22.21	22.34	22.18	23.5
		1	25	21.99	22.1	22.27	23.5
		1	49	22.28	**22.5**	22.35	23.5
		25	0	21.33	21.31	21.15	22.5

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		25	13	21.3	21.17	21.26	22.5
		25	25	21.31	**21.36**	21.35	22.5
		50	0	21.32	21.33	21.16	22.5
	16QAM	1	0	21.6	21.79	21.68	22.5
		1	25	21.09	20.97	21.35	22.5
		1	49	21.76	21.32	21.81	22.5
		25	0	20.3	20.26	20.28	21.5
		25	13	20.35	20.2	20.19	21.5
		25	25	20.2	20.23	20.33	21.5
		50	0	20.13	20.12	20.23	21.5
	64QAM	1	0	20.38	20.56	20.52	21.5
		1	25	20.18	20.26	20.27	21.5
		1	49	20.52	20.33	20.49	21.5
		25	0	19.38	19.4	19.35	20.5
		25	13	19.29	19.41	19.37	20.5
		25	25	19.34	19.37	19.36	20.5
		50	0	19.46	19.24	19.33	20.5

LTE FDD Band 17 Full power				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel 23755	Channel 23790	Channel 23825	Tune up
5MHz	QPSK	1	0	22.05	22.07	21.97	23.5
		1	13	22.02	22.1	22	23.5
		1	24	22.1	22.01	21.91	23.5
		12	0	21.02	21.01	21	22.5
		12	6	21.06	20.98	20.92	22.5
		12	13	21.07	20.95	21.1	22.5
		25	0	20.96	20.95	21.06	22.5
	16QAM	1	0	20.75	21.3	20.8	22.5
		1	13	21.61	21.29	21.4	22.5
		1	24	21.32	21.35	20.98	22.5
		12	0	19.93	20	19.85	21.5
		12	6	19.92	20.01	20.08	21.5
		12	13	19.9	20.07	20.03	21.5
		25	0	19.96	19.99	19.78	21.5
	64QAM	1	0	20.27	20.14	20.26	21.5
		1	13	19.95	19.92	19.76	21.5
		1	24	20.32	20.34	20.35	21.5
		12	0	19.19	19.13	19.17	20.5
		12	6	19.08	19.05	19.04	20.5
		12	13	19.12	19.1	19.09	20.5
		25	0	19.01	19.04	19.04	20.5
Bandwidth	Modulation	RB size	RB offset	Channel 23780	Channel 23790	Channel 23800	Tune up
10MHz	QPSK	1	0	22.22	22.02	22.14	23.5
		1	25	21.47	21.75	21.95	23.5

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		1	49	22.31	22.26	**22.35**	23.5
		25	0	21.32	21.26	21.26	22.5
		25	13	21.32	21.15	21.16	22.5
		25	25	21.22	21.26	**21.33**	22.5
		50	0	21.41	21.15	21.13	22.5
	16QAM	1	0	21.18	21.27	21.23	22.5
		1	25	21.4	21.08	20.64	22.5
		1	49	21.62	21.29	21.72	22.5
		25	0	20.11	20.17	20.13	21.5
		25	13	20.13	20.28	20.21	21.5
		25	25	20.15	20.25	20.26	21.5
		50	0	20.15	20.23	20.18	21.5
	64QAM	1	0	20.36	20.55	20.57	21.5
		1	25	20.22	20.22	20.24	21.5
		1	49	20.43	20.6	20.54	21.5
		25	0	19.39	19.46	19.44	20.5
		25	13	19.35	19.4	19.32	20.5
		25	25	19.13	19.35	19.37	20.5
		50	0	19.27	19.42	19.41	20.5

Table 13：Conducted Power Of LTE

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8.1.2 Conducted Power of Second Antenna

8.1.2.1 Conducted Power Of GSM

GSM 850 Receiver off (Body Scene)										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM (GMSK)	GSM	31.73	31.94	32.06	33.5	-9.19	22.54	22.75	22.87	24.31
GPRS/ EGPRS (GMSK)	1 TX Slot	31.71	31.95	32.07	33.5	-9.19	22.52	22.76	22.88	24.31
	2 TX Slots	29.43	29.48	29.63	31	-6.18	23.25	23.3	**23.45**	**24.82**
	3 TX Slots	27.1	27.23	27.24	29	-4.42	22.68	22.81	22.82	24.58
	4 TX Slots	25.11	25.14	25.21	27	-3.17	21.94	21.97	22.04	23.83
EGPRS (8PSK)	1 TX Slot	25.54	25.62	25.56	27.5	-9.19	16.35	16.43	16.37	18.31
	2 TX Slots	23.12	23.16	23.09	25.5	-6.18	16.94	16.98	16.91	19.32
	3 TX Slots	21.24	21.33	21.54	23.5	-4.42	16.82	16.91	17.12	19.08
	4 TX Slots	19.11	19.09	19.23	21.5	-3.17	15.94	15.92	16.06	18.33
GSM 850 Receiver on(Left head)										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM (GMSK)	GSM	27.65	27.79	27.84	29.5	-9.19	18.46	18.6	18.65	20.31
GPRS/ EGPRS (GMSK)	1 TX Slot	27.67	27.72	27.86	29.5	-9.19	18.48	18.53	18.67	20.31
	2 TX Slots	25.52	25.67	25.65	27	-6.18	19.34	**19.49**	19.47	**20.82**
	3 TX Slots	23.3	23.42	23.45	25	-4.42	18.88	19	19.03	20.58
	4 TX Slots	21.15	21.19	21.23	23	-3.17	17.98	18.02	18.06	19.83
EGPRS (8PSK)	1 TX Slot	21.63	21.68	21.62	23.5	-9.19	12.44	12.49	12.43	14.31
	2 TX Slots	19.55	19.58	19.52	21.5	-6.18	13.37	13.4	13.34	15.32
	3 TX Slots	17.44	17.53	17.54	19.5	-4.42	13.02	13.11	13.12	15.08
	4 TX Slots	15.21	15.24	15.39	17.5	-3.17	12.04	12.07	12.22	14.33
GSM 850 Receiver on(Right head)										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM (GMSK)	GSM	28.16	28.32	28.35	30	-9.19	18.97	19.13	19.16	20.81
GPRS /EGPRS (GMSK)	1 TX Slot	28.14	28.33	28.37	30	-9.19	18.95	19.14	19.18	20.81
	2 TX Slots	25.95	25.98	26.08	27.5	-6.18	19.77	19.8	**19.9**	**21.32**
	3 TX Slots	23.78	23.92	23.9	25.5	-4.42	19.36	19.5	19.48	21.08
	4 TX Slots	21.66	21.74	21.71	23.5	-3.17	18.49	18.57	18.54	20.33
EGPRS (8PSK)	1 TX Slot	22.08	22.15	22.07	24	-9.19	12.89	12.96	12.88	14.81
	2 TX Slots	20.06	20.05	20.01	22	-6.18	13.88	13.87	13.83	15.82
	3 TX Slots	17.85	18.02	18.04	20	-4.42	13.43	13.6	13.62	15.58
	4 TX Slots	15.55	15.74	15.81	18	-3.17	12.38	12.57	12.64	14.83
GSM 850 Receiver off + WiFi on										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM	GSM	28.88	29.23	29.16	30.5	-9.19	19.69	20.04	19.97	21.31

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(GMSK)										
GPRS/ EGPRS (GMSK)	1 TX Slot	28.93	29.23	29.17	30.5	-9.19	19.74	20.04	19.98	21.31
	2 TX Slots	26.89	27.26	27.24	28	-6.18	20.71	**21.08**	21.06	**21.82**
	3 TX Slots	24.52	25.09	25.04	26	-4.42	20.1	20.67	20.62	21.58
	4 TX Slots	22.42	23.02	22.94	24	-3.17	19.25	19.85	19.77	20.83
EGPRS (8PSK)	1 TX Slot	22.62	22.71	22.72	24.5	-9.19	13.43	13.52	13.53	15.31
	2 TX Slots	20.51	20.66	20.73	22.5	-6.18	14.33	14.48	14.55	16.32
	3 TX Slots	18.39	18.51	18.52	20.5	-4.42	13.97	14.09	14.1	16.08
	4 TX Slots	16.17	16.22	16.33	18.5	-3.17	13	13.05	13.16	15.33

GSM 850 Receiver on(Left head) + WiFi on

Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM (GMSK)	GSM	25.08	25.59	25.45	26.5	-9.19	15.89	16.4	16.26	17.31
GPRS /EGPRS (GMSK)	1 TX Slot	25.13	25.61	25.52	26.5	-9.19	15.94	16.42	16.33	17.31
	2 TX Slots	22.89	23.44	23.37	24	-6.18	16.71	**17.26**	17.19	**17.82**
	3 TX Slots	20.66	21.23	21.24	22	-4.42	16.24	16.81	16.82	17.58
	4 TX Slots	18.63	19.16	19.21	20	-3.17	15.46	15.99	16.04	16.83
EGPRS (8PSK)	1 TX Slot	18.94	19.05	19.11	20.5	-9.19	9.75	9.86	9.92	11.31
	2 TX Slots	16.74	16.82	16.88	18.5	-6.18	10.56	10.64	10.7	12.32
	3 TX Slots	15.1	15.24	15.23	16.5	-4.42	10.68	10.82	10.81	12.08
	4 TX Slots	12.68	12.81	12.83	14.5	-3.17	9.51	9.64	9.66	11.33

GSM 850 Receiver on(Right head) + WiFi on

Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM (GMSK)	GSM	25.59	25.99	26.02	27	-9.19	16.4	16.8	16.83	17.81
GPRS/ EGPRS (GMSK)	1 TX Slot	25.65	26.06	26.09	27	-9.19	16.46	16.87	16.9	17.81
	2 TX Slots	23.45	23.94	23.83	24.5	-6.18	17.27	**17.76**	17.65	**18.32**
	3 TX Slots	21.16	21.64	21.61	22.5	-4.42	16.74	17.22	17.19	18.08
	4 TX Slots	19.04	19.53	19.63	20.5	-3.17	15.87	16.36	16.46	17.33
EGPRS (8PSK)	1 TX Slot	19.4	19.48	19.46	21	-9.19	10.21	10.29	10.27	11.81
	2 TX Slots	17.19	17.33	17.39	19	-6.18	11.01	11.15	11.21	12.82
	3 TX Slots	15.08	15.28	15.26	17	-4.42	10.66	10.86	10.84	12.58
	4 TX Slots	13.63	13.71	13.7	15	-3.17	10.46	10.54	10.53	11.83

Table 14：Conducted Power Of GSM

Note:

1）. CMW 500 Measures GSM peak and average output power for active timeslots. For SAR the time based average power is relevant. The difference in between depends on the duty cycle of the TDMA signal:

No. of timeslots	1	2	3	4
Duty Cycle	1:8.3	1:4.15	1:2.77	1:2.075
Time based avg. power compared to slotted avg. power	-9.19	-6.18	-4.42	-3.17

2）. The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:
Frame-averaged power = 10 x log (Burst-averaged power mW x Slot used / 8

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3）. When the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used

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8.1.2.2 Conducted Power Of WCDMA

WCDMA Band II Receiver off (Body Scene)					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	22.23	**22.28**	22.22	24
	12.2kbps AMR	22.2	22.21	22.19	24
HSDPA	Subtest 1	22.01	21.98	21.88	23.5
	Subtest 2	21.21	21.56	21.31	22.5
	Subtest 3	21.01	21.03	20.98	22
	Subtest 4	21.08	21.01	20.91	22
HSUPA	Subtest 1	20.01	20.06	20.01	21.5
	Subtest 2	17.67	17.11	16.95	19
	Subtest 3	20.65	21.01	20.77	22
	Subtest 4	18.60	18.54	18.17	20
	Subtest 5	21.7	21.5	21.2	23
DC-HSDPA	Subtest 1	22.16	22.19	22.03	23.5
	Subtest 2	21.39	21.75	21.49	22.5
	Subtest 3	21.16	21.18	21.14	22
	Subtest 4	21.23	21.12	21.06	22
WCDMA Band II Receiver on(Left head)					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	**18.84**	18.8	18.81	20.5
	12.2kbps AMR	18.81	18.75	18.75	20.5
HSDPA	Subtest 1	18.35	18.21	18.22	20
	Subtest 2	17.52	17.56	17.55	19
	Subtest 3	17.01	17.11	16.99	18.5
	Subtest 4	17.09	17.16	16.98	18.5
HSUPA	Subtest 1	16.42	16.46	16.41	18
	Subtest 2	14.30	14.30	13.29	15.5
	Subtest 3	17.05	16.61	16.88	18.5
	Subtest 4	14.96	15.00	14.93	16.5
	Subtest 5	18.03	17.93	17.93	19.5
DC-HSDPA	Subtest 1	18.56	18.36	18.37	20
	Subtest 2	17.67	17.73	17.7	19
	Subtest 3	17.19	17.26	17.15	18.5
	Subtest 4	17.24	17.31	17.14	18.5
WCDMA Band II Receiver on(Right head)					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	17.84	**17.85**	17.81	19.5
	12.2kbps AMR	17.8	17.81	17.73	19.5
HSDPA	Subtest 1	17.62	17.54	17.63	19
	Subtest 2	16.83	17.18	17.38	18
	Subtest 3	16.01	16.11	16.03	17.5

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	Subtest 4	16.02	16.15	16.09	17.5
HSUPA	Subtest 1	15.32	15.71	15.50	16.5
	Subtest 2	12.30	12.28	12.32	14
	Subtest 3	14.99	15.68	14.75	17
	Subtest 4	13.40	13.85	13.79	15
	Subtest 5	17.02	16.93	16.92	18
DC-HSDPA	Subtest 1	17.79	17.69	17.71	19
	Subtest 2	16.96	17.31	17.51	18
	Subtest 3	16.15	16.26	16.18	17.5
	Subtest 4	16.19	16.28	16.22	17.5
WCDMA Band II Receiver off (Body Scene) +WiFi on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	**19.39**	19.37	19.38	21
	12.2kbps AMR	19.35	19.31	19.32	21
HSDPA	Subtest 1	19.12	18.91	19.15	20.5
	Subtest 2	18.35	18.26	18.33	19.5
	Subtest 3	17.89	17.88	17.69	19
	Subtest 4	17.98	17.89	17.81	19
HSUPA	Subtest 1	17.22	17.04	16.86	18.5
	Subtest 2	14.26	13.83	14.70	16
	Subtest 3	17.11	17.07	18.04	19
	Subtest 4	16.06	15.49	15.35	17
	Subtest 5	18.52	18.42	18.45	20
DC-HSDPA	Subtest 1	19.28	19.07	19.36	20.5
	Subtest 2	18.51	18.49	18.48	19.5
	Subtest 3	18.09	18.04	17.85	19
	Subtest 4	18.14	18.08	17.99	19
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	**15.88**	15.87	15.83	17.5
	12.2kbps AMR	15.85	15.83	15.8	17.5
HSDPA	Subtest 1	15.63	15.57	15.55	17
	Subtest 2	14.65	14.69	14.65	16
	Subtest 3	14.03	14.02	14.21	15.5
	Subtest 4	14.01	14	14.03	15.5
HSUPA	Subtest 1	14.31	13.68	14.30	15.5
	Subtest 2	12.59	11.90	13.11	14
	Subtest 3	12.82	12.44	12.90	14
	Subtest 4	13.20	12.87	13.20	14.5
	Subtest 5	15.60	15.30	15.50	17
DC-HSDPA	Subtest 1	15.79	15.75	15.76	17
	Subtest 2	14.81	14.85	14.81	16
	Subtest 3	14.19	14.19	14.37	15.5

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	Subtest 4	14.14	14.12	14.14	15.5
WCDMA Band II Receiver on(Right head) +WiFi on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	14.91	15.11	**15.13**	16.5
	12.2kbps AMR	14.89	15.05	15.09	16.5
HSDPA	Subtest 1	14.37	14.77	14.95	16
	Subtest 2	13.69	14.09	14.34	15
	Subtest 3	13.01	13	12.98	14.5
	Subtest 4	13.09	12.98	12.89	14.5
HSUPA	Subtest 1	12.55	12.61	12.90	14.5
	Subtest 2	12.56	11.38	12.91	13.5
	Subtest 3	12.45	12.76	12.89	13.5
	Subtest 4	12.59	12.87	12.91	14
	Subtest 5	15.10	14.80	15.00	16
DC-HSDPA	Subtest 1	14.56	14.98	15.1	16
	Subtest 2	13.84	14.24	14.49	15
	Subtest 3	13.19	13.19	13.18	14.5
	Subtest 4	13.24	13.13	13.06	14.5

WCDMA Band IV Receiver off (Body Scene)					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	**21.78**	21.71	21.72	23.2
	12.2kbps AMR	21.71	21.65	21.7	23.2
HSDPA	Subtest 1	21.12	21.05	21.16	22.5
	Subtest 2	20.35	20.19	20.21	21.5
	Subtest 3	19.96	19.89	19.88	21
	Subtest 4	19.95	19.81	19.79	21
HSUPA	Subtest 1	19.44	19.79	19.36	20.5
	Subtest 2	17.42	16.93	16.51	19
	Subtest 3	19.84	19.58	20.18	21
	Subtest 4	18.04	17.65	17.60	19
	Subtest 5	20.9	20.9	20.9	22
DC-HSDPA	Subtest 1	21.29	21.25	21.38	22.5
	Subtest 2	20.51	20.35	20.37	21.5
	Subtest 3	20.13	20.05	20.09	21
	Subtest 4	20.11	19.99	19.95	21
WCDMA Band IV Receiver on(Left head)					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	20.19	20.21	**20.22**	21.7
	12.2kbps AMR	20.15	20.2	20.18	21.7
HSDPA	Subtest 1	19.34	19.09	19.31	21
	Subtest 2	18.21	18.31	18.29	20

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	Subtest 3	18.21	18.22	18.19	19.5
	Subtest 4	18.11	18.16	18.12	19.5
HSUPA	Subtest 1	18.04	18.12	18.15	19
	Subtest 2	15.42	15.93	15.84	17.5
	Subtest 3	18.86	18.18	18.60	19.5
	Subtest 4	17.11	16.59	16.54	17.5
	Subtest 5	19.64	19.54	19.58	20.5
DC-HSDPA	Subtest 1	19.56	19.29	19.47	21
	Subtest 2	18.39	18.47	18.45	20
	Subtest 3	18.37	18.38	18.39	19.5
	Subtest 4	18.25	18.32	18.21	19.5
WCDMA Band IV Receiver on(Right head)					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	**18.77**	18.68	18.72	20.2
	12.2kbps AMR	18.75	18.65	18.7	20.2
HSDPA	Subtest 1	18.01	17.99	18.11	19.5
	Subtest 2	17.11	17.05	17.12	18.5
	Subtest 3	16.35	16.45	16.33	18
	Subtest 4	16.36	16.39	16.42	18
HSUPA	Subtest 1	16.56	16.68	16.69	18
	Subtest 2	14.40	13.60	13.45	15.5
	Subtest 3	17.06	16.78	16.90	18.5
	Subtest 4	15.06	15.10	15.10	16.5
	Subtest 5	18.15	18.04	18.11	19.5
DC-HSDPA	Subtest 1	18.19	18.14	18.29	19.5
	Subtest 2	17.26	17.25	17.27	18.5
	Subtest 3	16.52	16.66	16.48	18
	Subtest 4	16.51	16.54	16.59	18
WCDMA Band IV Receiver off (Body Scene) +WiFi on					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	**18.81**	18.72	18.74	20.2
	12.2kbps AMR	18.79	18.69	18.7	20.2
HSDPA	Subtest 1	18.11	17.98	18.11	19.5
	Subtest 2	17.01	17.08	17.02	18.5
	Subtest 3	16.36	16.51	16.45	18
	Subtest 4	16.31	16.5	16.46	18
HSUPA	Subtest 1	16.56	16.68	16.69	17.5
	Subtest 2	14.40	13.60	13.45	15.5
	Subtest 3	17.06	16.78	16.90	18.5
	Subtest 4	15.06	15.10	15.10	16.5
	Subtest 5	18.15	18.04	18.11	19.5
DC-HSDPA	Subtest 1	18.29	18.11	18.25	19.5
	Subtest 2	17.16	17.21	17.16	18.5
	Subtest 3	16.49	16.68	16.58	18
	Subtest 4	16.44	16.63	16.59	18

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WCDMA Band IV Receiver on(Left head) +WiFi on					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	**17.34**	17.22	17.23	18.7
	12.2kbps AMR	17.29	17.18	17.18	18.65
HSDPA	Subtest 1	17.15	16.99	17.14	18
	Subtest 2	15.56	15.63	15.66	17
	Subtest 3	15.21	15.06	15.22	16.5
	Subtest 4	15.11	15.02	15.23	16.5
HSUPA	Subtest 1	14.60	14.62	14.34	16
	Subtest 2	13.28	12.48	12.45	14
	Subtest 3	16.36	15.43	16.35	17
	Subtest 4	14.44	14.51	14.35	15.5
	Subtest 5	17.10	16.80	16.90	18
DC-HSDPA	Subtest 1	17.28	17.12	17.28	18
	Subtest 2	15.69	15.74	15.79	17
	Subtest 3	15.35	15.19	15.36	16.5
	Subtest 4	15.24	15.15	15.36	16.5
WCDMA Band IV Receiver on(Right head) +WiFi on					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	**15.82**	15.72	15.7	17.2
	12.2kbps AMR	15.79	15.7	15.61	17.2
HSDPA	Subtest 1	15.01	15.24	15.11	16.5
	Subtest 2	14.02	14.01	14	15.5
	Subtest 3	13.56	13.59	13.61	15
	Subtest 4	13.41	13.49	13.52	15
HSUPA	Subtest 1	14.30	14.15	13.93	15
	Subtest 2	12.74	12.02	11.94	13.5
	Subtest 3	13.79	13.91	13.60	15.5
	Subtest 4	13.45	13.72	12.93	15
	Subtest 5	15.60	15.30	15.30	16.5
DC-HSDPA	Subtest 1	15.19	15.37	15.29	16.5
	Subtest 2	14.18	14.18	14.13	15.5
	Subtest 3	13.69	13.72	13.74	15
	Subtest 4	13.54	13.62	13.66	15

WCDMA Band V Receiver off (Body Scene)					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	**23.15**	22.99	22.96	24.5
	12.2kbps AMR	23.11	22.91	22.93	24.5
HSDPA	Subtest 1	22.74	22.67	22.35	24
	Subtest 2	21.89	21.85	21.89	23.5
	Subtest 3	21.86	21.88	21.79	23
	Subtest 4	21.66	21.69	21.68	23

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HSUPA	Subtest 1	22.02	22.16	22.31	23
	Subtest 2	20.05	20.50	20.29	20.5
	Subtest 3	22.83	22.39	22.56	23.5
	Subtest 4	19.92	20.51	19.65	21.5
	Subtest 5	22.75	22.67	22.62	23.5
DC-HSDPA	Subtest 1	22.9	22.83	22.55	24
	Subtest 2	22.05	22.06	22.09	23.5
	Subtest 3	22.06	22.04	21.95	23
	Subtest 4	21.82	21.82	21.89	23
WCDMA Band V Receiver on+Left head&Right Head					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	**19.12**	18.97	18.84	20.5
	12.2kbps AMR	19.09	18.91	18.79	20.5
HSDPA	Subtest 1	18.65	18.66	18.59	20
	Subtest 2	18.03	18.11	18.21	19.5
	Subtest 3	17.76	17.69	17.71	19
	Subtest 4	17.66	17.68	17.7	19
HSUPA	Subtest 1	18.21	18.15	18.08	19
	Subtest 2	14.29	14.82	13.77	16.5
	Subtest 3	18.89	17.48	18.50	19.5
	Subtest 4	15.97	15.69	16.43	17.5
	Subtest 5	18.75	18.66	18.60	19.5
DC-HSDPA	Subtest 1	18.83	18.86	18.75	20
	Subtest 2	18.19	18.27	18.39	19.5
	Subtest 3	17.92	17.85	17.87	19
	Subtest 4	17.84	17.88	17.86	19
WCDMA Band V **Receiver off (Body Scene)+WiFi on**					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	**20.14**	19.98	19.94	21.5
	12.2kbps AMR	20.11	19.95	19.91	21.5
HSDPA	Subtest 1	19.85	19.88	19.78	21
	Subtest 2	19.01	18.99	19.89	20.5
	Subtest 3	18.85	18.81	18.79	20
	Subtest 4	18.83	18.79	18.69	20
HSUPA	Subtest 1	19.06	19.17	19.06	20.5
	Subtest 2	16.24	15.92	15.77	17.5
	Subtest 3	18.85	18.47	19.48	20.5
	Subtest 4	16.96	16.58	16.49	18.5
	Subtest 5	19.72	19.64	19.59	21
DC-HSDPA	Subtest 1	20.01	20.04	19.95	21
	Subtest 2	19.19	19.17	20.09	20.5
	Subtest 3	19.06	18.97	18.95	20
	Subtest 4	18.99	18.95	18.85	20
WCDMA Band V Receiver on+Left head&Right Head+WiFi on					
Average Conducted Power(dBm)					

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Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	**16.13**	15.99	15.95	17.5
	12.2kbps AMR	16.1	15.95	15.91	17.5
HSDPA	Subtest 1	15.59	15.69	15.66	17
	Subtest 2	15.01	15.11	15.04	16.5
	Subtest 3	14.89	14.88	14.79	16
	Subtest 4	14.85	14.69	14.77	16
HSUPA	Subtest 1	14.98	15.02	15.10	16.5
	Subtest 2	11.75	12.77	12.67	14
	Subtest 3	15.70	15.79	14.88	17
	Subtest 4	14.14	14.35	14.18	15
	Subtest 5	16.10	16.10	16.00	17
DC-HSDPA	Subtest 1	15.74	15.84	15.81	17
	Subtest 2	15.13	15.26	15.19	16.5
	Subtest 3	15.04	15.06	14.94	16
	Subtest 4	15.03	14.84	14.95	16

Table 15：Conducted Power Of WCDMA

Note:

1) when the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used.

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8.1.2.3 Conducted Power Of LTE

LTE Band 2 Receiver off (Body Scene)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	21.94	21.88	21.83	23.1
		1	2	21.41	21.89	21.87	23.1
		1	5	21.92	21.76	21.68	23.1
		3	0	21.93	21.37	21.6	23.1
		3	2	21.49	21.85	21.13	23.1
		3	3	21.49	21.87	21.69	23.1
		6	0	21.38	21.32	21.29	22.6
	16QAM	1	0	21.73	21.47	21.45	22.6
		1	2	21.33	21.14	21.82	22.6
		1	5	21.48	21.51	21.55	22.6
		3	0	21.27	21.24	21.21	22.6
		3	2	21.23	21.27	20.74	22.6
		3	3	21.17	21.52	21.06	22.6
		6	0	20.28	20.33	20.12	21.6
	64QAM	1	0	20.24	20.38	20.14	21.6
		1	2	20	19.92	19.81	21.6
		1	5	20.17	20.32	20.2	21.6
		3	0	20.14	20.18	19.97	21.6
		3	2	20.05	20.01	19.9	21.6
		3	3	20.13	20.08	19.99	21.6
		6	0	19.06	19.08	19.04	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	21.8	21.9	21.77	23.1
		1	7	21.96	21.68	21.46	23.1
		1	14	21.8	21.78	21.69	23.1
		8	0	21.37	21.19	21.17	22.6
		8	4	21.32	21.33	21.37	22.6
		8	7	21.28	21.3	21.23	22.6
		15	0	21.23	21.28	21.38	22.6
	16QAM	1	0	21.92	21.2	21.51	22.6
		1	7	20.93	20.4	20.92	22.6
		1	14	21.62	21.6	21.35	22.6
		8	0	20.25	20.05	20.31	21.6
		8	4	20.02	20.02	19.98	21.6
		8	7	20.3	20.2	20.19	21.6
		15	0	20.06	20.23	20.15	21.6
	64QAM	1	0	21.15	20.24	20.31	21.6
		1	7	21.28	20.39	20.17	21.6
		1	14	21.19	20.26	20.07	21.6
		8	0	20.14	19.13	19.05	20.6

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		8	4	20.13	19.14	19.12	20.6
		8	7	20.08	19.1	19.1	20.6
		15	0	20.15	19.14	19.1	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	21.8	21.82	21.79	23.1
		1	13	21.92	21.8	21.85	23.1
		1	24	21.84	21.84	21.82	23.1
		12	0	21.35	21.4	21.29	22.6
		12	6	21.36	21.4	21.31	22.6
		12	13	21.41	21.27	21.38	22.6
		25	0	21.42	21.36	21.34	22.6
	16QAM	1	0	21.35	21.87	21.74	22.6
		1	13	21.54	21.8	21.1	22.6
		1	24	21.37	21.02	21.69	22.6
		12	0	20.38	20.33	20.37	21.6
		12	6	20.37	20.41	20.27	21.6
		12	13	20.38	20.36	20.23	21.6
		25	0	20.31	20.29	20.06	21.6
	64QAM	1	0	21.27	20.3	20.16	21.6
		1	13	20.73	20.05	19.82	21.6
		1	24	21.19	20.37	20.06	21.6
		12	0	20.24	19.16	19.07	20.6
		12	6	20.18	19.17	19.02	20.6
		12	13	20.14	19.12	19.19	20.6
		25	0	20.18	19.17	19.15	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	22.01	21.86	21.81	23.1
		1	25	21.45	21.44	21.7	23.1
		1	49	21.84	21.63	21.78	23.1
		25	0	21.39	21.42	21.21	22.6
		25	13	21.35	21.2	21.33	22.6
		25	25	21.34	21.22	21.33	22.6
		50	0	21.3	21.24	21.39	22.6
	16QAM	1	0	21.39	21.57	21.71	22.6
		1	25	21.2	21.71	21.38	22.6
		1	49	21.82	21.41	21.78	22.6
		25	0	20.32	20.34	20.11	21.6
		25	13	20.09	20.29	20.3	21.6
		25	25	20.18	20.15	20.21	21.6
		50	0	20.2	20.34	20.31	21.6
	64QAM	1	0	21.22	20.29	20.05	21.6
		1	25	21.02	20.01	19.87	21.6
		1	49	21.3	20.19	20.05	21.6
		25	0	20.17	19.1	19.08	20.6

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		25	13	20.19	19.14	19.1	20.6
		25	25	20.07	19.13	19.11	20.6
		50	0	20.04	19.17	19.09	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	21.96	21.89	21.83	23.1
		1	38	22.05	21.89	21.84	23.1
		1	74	21.93	21.74	21.63	23.1
		36	0	21.47	21.46	21.36	22.6
		36	18	21.48	21.41	21.23	22.6
		36	39	21.49	21.27	21.39	22.6
		75	0	21.44	21.39	21.3	22.6
	16QAM	1	0	21.54	21.69	21.36	22.6
		1	38	21.91	21.6	21.69	22.6
		1	74	21.89	21.38	21.67	22.6
		36	0	20.32	20.3	20.35	21.6
		36	18	20.29	20.29	20.2	21.6
		36	39	20.33	20.13	20.24	21.6
		75	0	20.29	20.3	20.24	21.6
	64QAM	1	0	21.13	20.25	20.13	21.6
		1	38	21.12	20.33	20.13	21.6
		1	74	21.08	20.18	20.01	21.6
		36	0	20.24	19.13	19.2	20.6
		36	18	20.11	19.17	19.13	20.6
		36	39	20.13	19.16	19.2	20.6
		75	0	20.19	19.1	19.13	20.6
Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	**22.17**	22.07	21.88	23.1
		1	50	21.13	21.39	21.77	23.1
		1	99	21.91	21.86	21.8	23.1
		50	0	**21.51**	21.5	21.33	22.6
		50	25	21.27	21.34	21.35	22.6
		50	50	21.36	21.23	21.27	22.6
		100	0	21.35	21.43	21.27	22.6
	16QAM	1	0	21.63	21.92	21.51	22.6
		1	50	21.64	21.17	21.14	22.6
		1	99	21.17	21.43	21.74	22.6
		50	0	20.35	20.39	20.24	21.6
		50	25	20.29	20.26	20.27	21.6
		50	50	20.37	20.17	20.28	21.6
		100	0	20.25	20.34	20.33	21.6
	64QAM	1	0	21.31	20.16	20.22	21.6
		1	50	20.94	20.03	19.89	21.6
		1	99	21.25	20.22	20.19	21.6
		50	0	20.2	19.2	19.05	20.6
		50	25	20.07	19.11	19.13	20.6

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		50	50	20.2	19.2	19.08	20.6
		100	0	20.17	19.09	19.21	20.6

LTE Band 2 Receiver on+Left head&Right Head				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	18.45	18.35	18.3	19.6
		1	2	18.12	17.82	17.57	19.6
		1	5	18.49	18.25	18.23	19.6
		3	0	18.12	18.29	18.07	19.6
		3	2	18.25	17.91	17.96	19.6
		3	3	18.27	18.26	18.02	19.6
		6	0	18.14	18.16	17.84	19.6
	16QAM	1	0	18.85	18.44	18.98	19.6
		1	2	18.43	18.47	17.99	19.6
		1	5	18.95	18.65	18.83	19.6
		3	0	18.19	18.07	18.3	19.6
		3	2	18.11	18.13	18.09	19.6
		3	3	18.09	18.18	17.91	19.6
		6	0	18.25	18.33	18.13	19.6
	64QAM	1	0	18.11	18.19	18.03	19.6
		1	2	17.94	17.97	17.84	19.6
		1	5	18.11	18.25	18.13	19.6
		3	0	18.06	18.09	17.91	19.6
		3	2	17.83	18.04	17.95	19.6
		3	3	17.92	18.04	17.95	19.6
		6	0	17.96	18.09	17.84	19.6
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	18.37	18.32	18.26	19.6
		1	7	18.19	17.83	18.05	19.6
		1	14	18.38	18.31	18.14	19.6
		8	0	18.35	18.34	18.28	19.6
		8	4	18.24	18.22	18.24	19.6
		8	7	18.34	18.31	18.28	19.6
		15	0	18.32	18.34	18.29	19.6
	16QAM	1	0	18.83	18.79	18.35	19.6
		1	7	17.95	16.96	17.46	19.6
		1	14	18.97	18.47	18.31	19.6
		8	0	18.6	18.23	18.3	19.6
		8	4	18.07	18.22	18.43	19.6
		8	7	18.29	18.24	18.06	19.6
		15	0	18.26	18.17	18.11	19.6
	64QAM	1	0	18.16	18.21	18.02	19.6
		1	7	18.12	18.27	18.18	19.6

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		1	14	18.07	18.05	17.99	19.6
		8	0	17.99	17.99	17.91	19.6
		8	4	17.94	18.06	17.92	19.6
		8	7	17.96	18.03	17.91	19.6
		15	0	17.99	18.04	17.88	19.6
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	18.4	18.36	18.44	19.6
		1	13	18.32	18.34	18.37	19.6
		1	24	18.37	18.23	18.15	19.6
		12	0	18.43	18.39	18.4	19.6
		12	6	18.34	18.3	18.37	19.6
		12	13	18.35	18.28	18.3	19.6
		25	0	18.42	18.39	18.37	19.6
	16QAM	1	0	18.67	18.28	18.53	19.6
		1	13	18.53	18.01	18.62	19.6
		1	24	18.4	18.39	18.1	19.6
		12	0	18.4	18.24	18.31	19.6
		12	6	18.37	18.13	18.21	19.6
		12	13	18.4	18.33	18.4	19.6
		25	0	18.32	18.44	18.34	19.6
	64QAM	1	0	18.13	18.08	18.14	19.6
		1	13	17.71	17.83	17.7	19.6
		1	24	18.16	18.16	18.14	19.6
		12	0	18.11	18.22	18.03	19.6
		12	6	18.04	18.15	18.03	19.6
		12	13	18.06	18.15	17.98	19.6
		25	0	17.99	18.16	18.02	19.6
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	18.34	18.44	18.32	19.6
		1	25	17.98	18.59	18.1	19.6
		1	49	18.39	18.17	18.18	19.6
		25	0	18.45	18.31	18.36	19.6
		25	13	18.37	18.38	18.28	19.6
		25	25	18.34	18.16	18.34	19.6
		50	0	18.31	18.39	18.29	19.6
	16QAM	1	0	18.93	18.88	18.87	19.6
		1	25	18.35	18.02	18.43	19.6
		1	49	18.69	18.37	18.09	19.6
		25	0	18.29	18.21	18.28	19.6
		25	13	18.29	18.32	18.13	19.6
		25	25	18.23	18.15	18.26	19.6
		50	0	18.23	18.32	18.17	19.6
	64QAM	1	0	18.19	18.22	18.21	19.6
		1	25	17.92	18.03	18.03	19.6

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		1	49	18.13	18.18	18.1	19.6
		25	0	18.02	18.08	18.06	19.6
		25	13	18.01	18.1	17.99	19.6
		25	25	18.02	18.13	18.03	19.6
		50	0	17.99	18.15	18.05	19.6
Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	18.54	18.29	18.19	19.6
		1	38	18.36	18.36	18.25	19.6
		1	74	18.32	18.27	18.22	19.6
		36	0	18.48	18.41	18.34	19.6
		36	18	18.38	18.42	18.39	19.6
		36	39	18.45	18.21	18.32	19.6
		75	0	18.44	18.42	18.36	19.6
	16QAM	1	0	18.64	18.5	18.58	19.6
		1	38	18.63	18.93	18.49	19.6
		1	74	18.47	18.32	18.39	19.6
		36	0	18.42	18.3	18.34	19.6
		36	18	18.35	18.27	18.34	19.6
		36	39	18.35	18.15	18.23	19.6
		75	0	18.37	18.31	18.23	19.6
	64QAM	1	0	18.15	18.1	18.02	19.6
		1	38	18.16	18.35	18.28	19.6
		1	74	18.05	18.08	18	19.6
		36	0	18.08	18.13	18.11	19.6
		36	18	18.05	18.12	17.98	19.6
		36	39	18.08	18.21	18.07	19.6
		75	0	18.03	18.07	18.01	19.6
Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	18.5	**18.56**	18.44	19.6
		1	50	18.4	18.37	17.51	19.6
		1	99	18.49	18.23	18.38	19.6
		50	0	18.49	**18.5**	18.32	19.6
		50	25	18.48	18.41	18.26	19.6
		50	50	18.39	18.33	18.33	19.6
		100	0	18.34	18.4	18.38	19.6
	16QAM	1	0	18.88	18.02	18.96	19.6
		1	50	18.41	17.95	18.36	19.6
		1	99	18.69	18.57	18.73	19.6
		50	0	18.39	18.24	18.22	19.6
		50	25	18.42	18.34	18.29	19.6
		50	50	18.42	18.27	18.22	19.6
		100	0	18.24	18.33	18.28	19.6
	64QAM	1	0	18.23	18.28	18.2	19.6
		1	50	17.99	18.05	18.06	19.6
		1	99	18.33	18.33	18.15	19.6

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		50	0	18.18	18.07	18.02	19.6
		50	25	18.13	18.03	18.07	19.6
		50	50	18.12	18.11	18.09	19.6
		100	0	18.08	18.07	18.1	19.6

LTE Band 2 Receiver off (Body Scene)+WiFi on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	18.85	18.9	18.74	20.1
		1	2	18.36	18.86	18.2	20.1
		1	5	18.9	18.72	18.76	20.1
		3	0	18.69	18.84	18.85	20.1
		3	2	18.9	18.81	18.79	20.1
		3	3	18.82	18.63	18.65	20.1
		6	0	18.86	18.63	18.65	20.1
	16QAM	1	0	18.54	19.14	18.7	20.1
		1	2	18.64	18.13	19.32	20.1
		1	5	19.01	18.86	18.97	20.1
		3	0	18.52	18.87	18.69	20.1
		3	2	18.41	18.84	18.52	20.1
		3	3	18.48	18.84	18.58	20.1
		6	0	18.81	18.88	18.58	20.1
	64QAM	1	0	18.6	18.83	18.47	20.1
		1	2	18.48	18.63	18.4	20.1
		1	5	18.62	18.77	18.5	20.1
		3	0	18.53	18.52	18.41	20.1
		3	2	18.37	18.44	18.2	20.1
		3	3	18.39	18.49	18.4	20.1
		6	0	18.46	18.46	18.43	20.1
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	18.94	18.76	18.85	20.1
		1	7	18.43	18.62	18.52	20.1
		1	14	18.82	18.78	18.73	20.1
		8	0	18.86	18.86	18.72	20.1
		8	4	18.87	18.77	18.62	20.1
		8	7	18.75	18.74	18.78	20.1
		15	0	18.85	18.95	18.76	20.1
	16QAM	1	0	19.02	18.86	19.01	20.1
		1	7	18.65	18.7	18.34	20.1
		1	14	19.34	18.95	18.98	20.1
		8	0	18.64	18.65	18.89	20.1
		8	4	18.74	18.85	18.84	20.1
		8	7	18.86	18.82	18.75	20.1
		15	0	18.81	18.84	18.7	20.1

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	64QAM	1	0	18.62	18.74	18.61	20.1
		1	7	18.63	18.77	18.62	20.1
		1	14	18.63	18.77	18.6	20.1
		8	0	18.55	18.59	18.47	20.1
		8	4	18.41	18.58	18.36	20.1
		8	7	18.51	18.61	18.36	20.1
		15	0	18.47	18.64	18.4	20.1
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	18.96	18.88	18.93	20.1
		1	13	18.89	18.86	18.91	20.1
		1	24	18.83	18.72	18.66	20.1
		12	0	18.98	18.89	18.89	20.1
		12	6	18.87	18.82	18.83	20.1
		12	13	18.89	18.9	18.77	20.1
		25	0	18.84	18.83	18.75	20.1
	16QAM	1	0	19.2	19.33	19.2	20.1
		1	13	19.43	18.99	19.02	20.1
		1	24	18.74	18.87	18.88	20.1
		12	0	18.96	18.85	18.82	20.1
		12	6	18.85	18.74	18.83	20.1
		12	13	18.89	18.86	18.86	20.1
		25	0	18.81	18.77	18.67	20.1
	64QAM	1	0	18.62	18.77	18.75	20.1
		1	13	18.15	18.45	18.17	20.1
		1	24	18.67	18.72	18.53	20.1
		12	0	18.55	18.65	18.63	20.1
		12	6	18.51	18.57	18.52	20.1
		12	13	18.65	18.72	18.46	20.1
		25	0	18.49	18.63	18.49	20.1
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	18.79	18.87	18.91	20.1
		1	25	18.85	18.61	18.66	20.1
		1	49	18.81	18.68	18.69	20.1
		25	0	18.89	18.82	18.82	20.1
		25	13	18.8	18.85	18.87	20.1
		25	25	18.89	18.77	18.74	20.1
		50	0	18.87	18.9	18.88	20.1
	16QAM	1	0	19.27	19.01	19.32	20.1
		1	25	19.13	18.65	18.84	20.1
		1	49	19.28	19.2	18.63	20.1
		25	0	18.82	18.69	18.76	20.1
		25	13	18.71	18.89	18.76	20.1
		25	25	18.78	18.62	18.66	20.1
		50	0	18.78	18.85	18.85	20.1

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	64QAM	1	0	18.56	18.76	18.51	20.1
		1	25	18.48	18.44	18.48	20.1
		1	49	18.62	18.69	18.56	20.1
		25	0	18.52	18.67	18.58	20.1
		25	13	18.62	18.64	18.54	20.1
		25	25	18.59	18.65	18.54	20.1
		50	0	18.47	18.61	18.56	20.1
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	18.97	18.76	18.92	20.1
		1	38	18.92	18.92	18.88	20.1
		1	74	18.82	18.73	18.66	20.1
		36	0	18.87	18.91	18.89	20.1
		36	18	18.94	18.94	18.91	20.1
		36	39	18.88	18.87	18.86	20.1
		75	0	18.82	18.88	18.85	20.1
	16QAM	1	0	19.16	19.05	18.59	20.1
		1	38	18.97	19.17	18.79	20.1
		1	74	18.55	19.22	18.79	20.1
		36	0	18.82	18.86	18.81	20.1
		36	18	18.89	18.84	18.89	20.1
		36	39	18.83	18.8	18.79	20.1
		75	0	18.95	18.89	18.89	20.1
	64QAM	1	0	18.57	18.76	18.57	20.1
		1	38	18.67	18.76	18.61	20.1
		1	74	18.52	18.45	18.5	20.1
		36	0	18.56	18.73	18.61	20.1
		36	18	18.59	18.69	18.59	20.1
		36	39	18.57	18.65	18.57	20.1
		75	0	18.52	18.65	18.54	20.1
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	**19.13**	19.12	18.97	20.1
		1	50	18.21	18.77	18.63	20.1
		1	99	19.09	18.94	18.78	20.1
		50	0	**19.02**	18.99	18.83	20.1
		50	25	18.79	18.95	18.81	20.1
		50	50	18.95	18.73	18.92	20.1
		100	0	18.84	18.94	18.89	20.1
	16QAM	1	0	19.17	19.23	18.94	20.1
		1	50	19.29	19.16	18.98	20.1
		1	99	19.25	19.52	19.36	20.1
		50	0	18.99	18.94	18.78	20.1
		50	25	18.75	18.76	18.86	20.1
		50	50	18.89	18.74	18.75	20.1
		100	0	18.75	18.86	18.81	20.1
	64QAM	1	0	18.71	18.82	18.86	20.1

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		1	50	18.51	18.59	18.35	20.1
		1	99	18.71	18.82	18.62	20.1
		50	0	18.68	18.65	18.49	20.1
		50	25	18.61	18.62	18.52	20.1
		50	50	18.63	18.6	18.54	20.1
		100	0	18.58	18.66	18.6	20.1

LTE Band 2 Receiver on+Left head&Right Head+WiFi on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	15.41	15.31	15.23	16.6
		1	2	14.59	15.24	15.16	16.6
		1	5	15.26	15.25	15.14	16.6
		3	0	15.15	15.03	15.05	16.6
		3	2	15.08	15.44	15.08	16.6
		3	3	15.11	15.09	15.1	16.6
		6	0	15.18	15.09	15.17	16.6
	16QAM	1	0	15.5	15.15	15.48	16.6
		1	2	15.46	15.53	15.78	16.6
		1	5	15.55	15.74	14.8	16.6
		3	0	15.44	15.02	15.15	16.6
		3	2	15.36	15	15.05	16.6
		3	3	15.17	15.17	15.08	16.6
		6	0	15.33	14.95	15.1	16.6
	64QAM	1	0	15.36	15.35	15.11	16.6
		1	2	15.09	14.99	14.92	16.6
		1	5	15.3	15.41	15.2	16.6
		3	0	15.2	15.15	14.99	16.6
		3	2	15	15.05	14.91	16.6
		3	3	15.12	15.23	15.11	16.6
		6	0	15.01	15.14	14.93	16.6
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	15.28	15.32	15.14	16.6
		1	7	15.2	14.42	14.69	16.6
		1	14	15.42	15.25	15.28	16.6
		8	0	15.06	15.23	15.22	16.6
		8	4	15.37	15.24	15.18	16.6
		8	7	15.3	15.28	15.17	16.6
		15	0	15.18	15.21	15.12	16.6
	16QAM	1	0	15.75	15.75	15.11	16.6
		1	7	14.71	14.52	15.81	16.6
		1	14	15.82	15.32	15.02	16.6
		8	0	14.96	15.04	15.28	16.6
		8	4	15.26	15.13	14.89	16.6

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		8	7	15.36	15.25	15	16.6
		15	0	15.33	15.25	15.13	16.6
		1	0	15.23	15.31	15.25	16.6
		1	7	15.28	15.39	15.18	16.6
		1	14	15.29	15.27	15.14	16.6
	64QAM	8	0	15.11	15.17	15.04	16.6
		8	4	15.09	15.17	15.09	16.6
		8	7	15.22	15.2	15.04	16.6
		15	0	15.1	15.21	15.04	16.6
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	15.39	15.2	15.26	16.6
		1	13	15.35	15.04	15.18	16.6
		1	24	15.27	15.26	15.22	16.6
		12	0	15.3	15.24	15.24	16.6
		12	6	15.31	15.24	15.14	16.6
		12	13	15.34	15.22	15.28	16.6
		25	0	15.31	15.35	15.09	16.6
	16QAM	1	0	15.32	15.64	14.88	16.6
		1	13	15.63	15.56	15.73	16.6
		1	24	15.48	15.32	15.08	16.6
		12	0	15.33	15.08	15.4	16.6
		12	6	15.31	15.31	15.26	16.6
		12	13	15.32	15.2	15.37	16.6
		25	0	15.31	15.14	14.98	16.6
	64QAM	1	0	15.28	15.37	15.25	16.6
		1	13	14.87	14.81	14.86	16.6
		1	24	15.2	15.37	15.12	16.6
		12	0	15.16	15.24	15.15	16.6
		12	6	15.1	15.24	15.04	16.6
		12	13	15.21	15.27	15.08	16.6
		25	0	15.11	15.24	15.15	16.6
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	15.38	15.18	15.34	16.6
		1	25	15.37	14.95	15.15	16.6
		1	49	15.32	15.11	15.29	16.6
		25	0	15.33	15.36	15.26	16.6
		25	13	15.36	15.27	15.21	16.6
		25	25	15.34	15.22	15.24	16.6
		50	0	15.31	15.24	15.21	16.6
	16QAM	1	0	15.69	15.8	15.51	16.6
		1	25	15.31	15.49	15.23	16.6
		1	49	15.27	15.13	15.14	16.6
		25	0	15.35	15.22	15.04	16.6
		25	13	15.32	15.16	15.12	16.6

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		25	25	15.2	15.13	15.2	16.6
		50	0	15.35	15.01	15.07	16.6
		1	0	15.29	15.31	15.15	16.6
		1	25	15.1	15.2	15.12	16.6
		1	49	15.17	15.27	15.27	16.6
	64QAM	25	0	15.18	15.23	15.17	16.6
		25	13	15.13	15.22	15.16	16.6
		25	25	15.13	15.26	15.13	16.6
		50	0	15.15	15.28	15.05	16.6
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
		1	0	15.27	15.32	15.29	16.6
		1	38	15.4	15.43	15.42	16.6
		1	74	15.25	15.14	15.19	16.6
	QPSK	36	0	15.39	15.4	15.31	16.6
		36	18	15.38	15.44	15.36	16.6
		36	39	15.39	15.15	15.24	16.6
		75	0	15.37	15.31	15.29	16.6
		1	0	15.38	15.86	14.93	16.6
		1	38	15.85	15.82	15.52	16.6
		1	74	15.72	15.22	15.64	16.6
15MHz	16QAM	36	0	15.42	15.39	15.31	16.6
		36	18	15.37	15.32	15.28	16.6
		36	39	15.26	15.15	15.12	16.6
		75	0	15.26	15.19	15.33	16.6
		1	0	15.18	15.32	15.27	16.6
		1	38	15.26	15.33	15.24	16.6
		1	74	15.14	15.17	15.2	16.6
	64QAM	36	0	15.18	15.26	15.24	16.6
		36	18	15.28	15.24	15.14	16.6
		36	39	15.18	15.17	15.2	16.6
		75	0	15.12	15.22	15.14	16.6
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
		1	0	15.44	**15.5**	15.38	16.6
		1	50	14.62	15.27	14.57	16.6
		1	99	15.4	15.36	15.35	16.6
	QPSK	50	0	15.41	15.39	15.19	16.6
		50	25	**15.42**	15.22	15.32	16.6
		50	50	15.35	15.28	15.28	16.6
20MHz		100	0	15.26	15.33	15.23	16.6
		1	0	15.52	15.93	15.57	16.6
		1	50	15.44	14.82	15.68	16.6
		1	99	15.79	15.62	15.55	16.6
	16QAM	50	0	15.36	15.24	15.19	16.6
		50	25	15.31	15.11	15.23	16.6
		50	50	15.22	15.15	15.19	16.6

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		100	0	15.35	15.22	15.08	16.6
	64QAM	1	0	15.44	15.39	15.27	16.6
		1	50	15.14	15.21	15.14	16.6
		1	99	15.45	15.38	15.17	16.6
		50	0	15.29	15.27	15.21	16.6
		50	25	15.15	15.25	15.13	16.6
		50	50	15.12	15.19	15.08	16.6
		100	0	15.17	15.15	15.18	16.6

LTE Band 4 Receiver off (Body Scene)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	21.77	21.75	21.66	23
		1	2	21.92	21.22	21.37	23
		1	5	21.78	21.65	21.61	23
		3	0	21.73	21.38	21.69	23
		3	2	21.64	21.48	21.54	23
		3	3	21.25	21.7	21.4	23
		6	0	20.85	20.72	20.62	22
	16QAM	1	0	21.41	20.98	21.28	22
		1	2	21.02	20.62	21.16	22
		1	5	20.62	20.96	21.1	22
		3	0	21.01	20.68	20.61	22
		3	2	20.62	20.92	20.77	22
		3	3	20.83	20.8	20.63	22
		6	0	20.02	19.67	19.6	21
	64QAM	1	0	20.67	19.82	19.79	21
		1	2	20.32	19.55	19.37	21
		1	5	20.65	19.7	19.63	21
		3	0	20.56	19.54	19.49	21
		3	2	20.43	19.38	19.39	21
		3	3	20.38	19.52	19.47	21
		6	0	19.5	18.55	18.45	20
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	21.74	21.9	21.68	23
		1	7	20.72	21.36	21.47	23
		1	14	21.84	21.66	21.63	23
		8	0	20.84	20.74	20.61	22
		8	4	20.51	20.62	20.5	22
		8	7	20.82	20.71	20.59	22
		15	0	20.94	20.75	20.69	22
	16QAM	1	0	21.08	20.99	21.14	22
		1	7	20.42	20.82	20.28	22
		1	14	20.95	20.76	20.62	22

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		8	0	19.71	19.62	19.46	21
		8	4	19.56	19.6	19.58	21
		8	7	19.72	19.49	19.43	21
		15	0	19.68	19.6	19.68	21
	64QAM	1	0	20.61	19.74	19.79	21
		1	7	20.65	19.78	19.59	21
		1	14	20.73	19.8	19.65	21
		8	0	19.56	18.54	18.56	20
		8	4	19.55	18.46	18.5	20
		8	7	19.44	18.51	18.59	20
		15	0	19.53	18.6	18.48	20
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	21.57	21.46	21.39	23
		1	13	21.41	21.53	21.48	23
		1	24	21.61	21.43	21.36	23
		12	0	20.58	20.5	20.36	22
		12	6	20.6	20.41	20.31	22
		12	13	20.67	20.49	20.47	22
		25	0	20.52	20.54	20.37	22
	16QAM	1	0	20.41	20.87	20.72	22
		1	13	21.06	20.9	20.86	22
		1	24	20.87	20.93	21.03	22
		12	0	19.68	19.42	19.42	21
		12	6	19.54	19.54	19.38	21
		12	13	19.59	19.44	19.41	21
		25	0	19.36	19.46	19.21	21
	64QAM	1	0	20.44	19.47	19.41	21
		1	13	19.95	19.09	19.1	21
		1	24	20.5	19.44	19.35	21
		12	0	19.44	18.42	18.33	20
		12	6	19.33	18.38	18.34	20
		12	13	19.36	18.28	18.39	20
		25	0	19.37	18.3	18.23	20
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	21.82	21.84	21.75	23
		1	25	21.6	21.38	21.5	23
		1	49	21.57	21.58	21.58	23
		25	0	20.88	20.74	20.76	22
		25	13	20.8	20.72	20.61	22
		25	25	20.68	20.62	20.73	22
		50	0	20.83	20.71	20.56	22
	16QAM	1	0	21.33	21.1	21.1	22
		1	25	20.86	21.07	20.83	22
		1	49	21.05	21.1	20.69	22
		25	0	19.66	19.73	19.68	21

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		25	13	19.56	19.53	19.62	21
		25	25	19.79	19.75	19.59	21
		50	0	19.59	19.59	19.61	21
	64QAM	1	0	20.74	19.64	19.74	21
		1	25	20.47	19.41	19.39	21
		1	49	20.68	19.63	19.64	21
		25	0	19.57	18.62	18.47	20
		25	13	19.49	18.58	18.6	20
		25	25	19.55	18.56	18.56	20
		50	0	19.6	18.58	18.46	20
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	21.87	21.81	21.81	23
		1	38	21.71	21.83	21.75	23
		1	74	21.69	21.75	21.59	23
		36	0	20.88	20.73	20.78	22
		36	18	20.84	20.69	20.83	22
		36	39	20.82	20.65	20.65	22
		75	0	20.78	20.71	20.81	22
	16QAM	1	0	20.86	21.05	20.78	22
		1	38	20.96	21.07	20.71	22
		1	74	21.15	20.94	20.41	22
		36	0	19.74	19.83	19.78	21
		36	18	19.67	19.65	19.58	21
		36	39	19.78	19.66	19.62	21
		75	0	19.7	19.72	19.62	21
	64QAM	1	0	20.63	19.54	19.77	21
		1	38	20.76	19.63	19.74	21
		1	74	20.64	19.56	19.57	21
		36	0	19.63	18.6	18.5	20
		36	18	19.53	18.56	18.55	20
		36	39	19.52	18.58	18.58	20
		75	0	19.53	18.57	18.45	20
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	21.74	21.56	21.78	23
		1	50	20.92	21.46	21.08	23
		1	99	21.7	**21.9**	21.72	23
		50	0	20.79	**20.86**	20.72	22
		50	25	20.81	20.8	20.75	22
		50	50	20.76	20.63	20.61	22
		100	0	20.72	20.73	20.73	22
	16QAM	1	0	20.65	20.55	20.83	22
		1	50	20.86	20.87	19.43	22
		1	99	21.07	20.82	20.79	22
		50	0	19.65	19.75	19.75	21
		50	25	19.65	19.69	19.65	21

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		50	50	19.66	19.66	19.71	21
		100	0	19.71	19.78	19.73	21
	64QAM	1	0	20.5	19.44	19.46	21
		1	50	20.36	19.37	19.2	21
		1	99	20.71	19.69	19.64	21
		50	0	19.6	18.62	18.47	20
		50	25	19.51	18.6	18.41	20
		50	50	19.53	18.57	18.48	20
		100	0	19.59	18.59	18.4	20

LTE Band 4 Receiver on+Left head				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	18.83	18.68	18.78	20
		1	2	18.71	18.57	18.56	20
		1	5	18.77	18.76	18.78	20
		3	0	18.63	18.62	18.65	20
		3	2	18.43	18.38	18.42	20
		3	3	18.92	18.59	18.67	20
		6	0	18.79	18.75	18.68	20
	16QAM	1	0	19.26	19.03	18.94	20
		1	2	18.53	18.87	18.71	20
		1	5	18.97	19.28	19.23	20
		3	0	18.62	18.74	18.37	20
		3	2	18.59	18.57	18.6	20
		3	3	19.03	18.41	18.6	20
		6	0	18.85	18.51	18.7	20
	64QAM	1	0	18.62	18.62	18.6	20
		1	2	18.32	18.38	18.33	20
		1	5	18.49	18.64	18.47	20
		3	0	18.39	18.53	18.33	20
		3	2	18.28	18.45	18.35	20
		3	3	18.32	18.54	18.34	20
		6	0	18.32	18.47	18.37	20
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	18.82	18.78	18.6	20
		1	7	18.84	18.63	18.06	20
		1	14	18.71	18.59	18.53	20
		8	0	18.83	18.75	18.57	20
		8	4	18.65	18.72	18.66	20
		8	7	18.52	18.4	18.68	20
		15	0	18.66	18.72	18.77	20
	16QAM	1	0	19.26	19.22	18.8	20
		1	7	17.64	18.09	18.23	20

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		1	14	19.26	19.45	18.81	20
		8	0	18.54	18.67	18.48	20
		8	4	18.78	18.63	18.57	20
		8	7	18.46	18.5	18.48	20
		15	0	18.75	18.61	18.6	20
	64QAM	1	0	18.65	18.64	18.6	20
		1	7	18.57	18.76	18.57	20
		1	14	18.64	18.66	18.64	20
		8	0	18.41	18.57	18.38	20
		8	4	18.44	18.47	18.45	20
		8	7	18.33	18.5	18.29	20
		15	0	18.45	18.51	18.41	20
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	18.59	18.52	18.41	20
		1	13	18.33	18.48	18.54	20
		1	24	18.53	18.52	18.47	20
		12	0	18.58	18.59	18.52	20
		12	6	18.58	18.46	18.46	20
		12	13	18.52	18.46	18.47	20
		25	0	18.53	18.51	18.35	20
	16QAM	1	0	18.87	18.78	18.88	20
		1	13	18.97	18.82	17.99	20
		1	24	19.02	19	18.56	20
		12	0	18.43	18.55	18.44	20
		12	6	18.39	18.32	18.39	20
		12	13	18.51	18.62	18.4	20
		25	0	18.53	18.51	18.41	20
	64QAM	1	0	18.36	18.44	18.4	20
		1	13	17.83	17.95	17.88	20
		1	24	18.27	18.39	18.37	20
		12	0	18.24	18.25	18.2	20
		12	6	18.2	18.24	18.11	20
		12	13	18.25	18.25	18.25	20
		25	0	18.25	18.23	18.2	20
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	18.88	18.89	18.8	20
		1	25	17.82	18.64	18.62	20
		1	49	18.7	18.69	18.58	20
		25	0	18.84	18.73	18.67	20
		25	13	18.85	18.68	18.76	20
		25	25	18.71	18.65	18.61	20
		50	0	18.75	18.72	18.7	20
	16QAM	1	0	19.12	19.11	19.4	20
		1	25	19.36	18.8	18.89	20
		1	49	19.29	19.05	19.08	20

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		25	0	18.87	18.68	18.6	20
		25	13	18.77	18.59	18.67	20
		25	25	18.6	18.67	18.51	20
		50	0	18.63	18.59	18.58	20
	64QAM	1	0	18.63	18.57	18.57	20
		1	25	18.27	18.39	18.26	20
		1	49	18.6	18.61	18.62	20
		25	0	18.53	18.56	18.49	20
		25	13	18.36	18.5	18.49	20
		25	25	18.46	18.54	18.46	20
		50	0	18.39	18.47	18.43	20
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	18.86	18.79	18.65	20
		1	38	18.77	18.81	18.7	20
		1	74	18.71	18.7	18.75	20
		36	0	18.79	18.82	18.84	20
		36	18	18.84	18.79	18.71	20
		36	39	18.75	18.66	18.69	20
		75	0	18.68	18.7	18.76	20
	16QAM	1	0	19.32	18.87	19.09	20
		1	38	19.24	19.39	19.06	20
		1	74	19.14	18.91	18.73	20
		36	0	18.71	18.77	18.71	20
		36	18	18.71	18.66	18.62	20
		36	39	18.64	18.63	18.49	20
		75	0	18.63	18.61	18.7	20
	64QAM	1	0	18.47	18.51	18.61	20
		1	38	18.53	18.63	18.62	20
		1	74	18.49	18.41	18.41	20
		36	0	18.43	18.52	18.55	20
		36	18	18.4	18.47	18.46	20
		36	39	18.41	18.55	18.45	20
		75	0	18.39	18.54	18.5	20
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	18.74	18.67	18.58	20
		1	50	18.11	18.66	18.62	20
		1	99	**18.78**	18.73	18.7	20
		50	0	**18.84**	18.83	18.72	20
		50	25	18.72	18.79	18.77	20
		50	50	18.68	18.72	18.65	20
		100	0	18.77	18.79	18.77	20
	16QAM	1	0	19.09	19.01	19.17	20
		1	50	17.21	19.32	18.1	20
		1	99	18.71	18.95	18.71	20
		50	0	18.69	18.68	18.76	20

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		50	25	18.69	18.57	18.64	20
		50	50	18.6	18.7	18.69	20
		100	0	18.72	18.61	18.72	20
	64QAM	1	0	18.32	18.54	18.55	20
		1	50	18.38	18.45	18.25	20
		1	99	18.53	18.7	18.62	20
		50	0	18.52	18.46	18.47	20
		50	25	18.37	18.44	18.49	20
		50	50	18.39	18.51	18.51	20
		100	0	18.55	18.53	18.49	20

LTE Band 4 Receiver on+Right Head				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	17.89	17.65	17.75	19
		1	2	17.79	17.77	17.74	19
		1	5	17.82	17.76	17.76	19
		3	0	17.78	17.83	17.59	19
		3	2	17.13	17.72	17.7	19
		3	3	17.77	17.73	17.55	19
		6	0	17.89	17.66	17.24	19
	16QAM	1	0	17.84	18.24	18.26	19
		1	2	17.9	17.44	18.05	19
		1	5	18.29	18.15	18.12	19
		3	0	17.49	17.96	17.46	19
		3	2	17.46	17.63	17.69	19
		3	3	17.35	17.67	17.28	19
		6	0	17.57	17.63	17.55	19
	64QAM	1	0	17.6	17.61	17.61	19
		1	2	17.15	17.49	17.44	19
		1	5	17.45	17.62	17.65	19
		3	0	17.46	17.43	17.4	19
		3	2	17.27	17.51	17.34	19
		3	3	17.26	17.43	17.39	19
		6	0	17.37	17.38	17.31	19
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	17.87	17.61	17.74	19
		1	7	17.25	17.72	17.33	19
		1	14	17.89	17.7	17.58	19
		8	0	17.92	17.59	17.61	19
		8	4	17.77	17.76	17.66	19
		8	7	17.97	17.61	17.63	19
		15	0	17.75	17.72	17.71	19
	16QAM	1	0	18.33	17.52	17.89	19

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		1	7	17.21	18.07	17.25	19
		1	14	18.01	18.18	18.08	19
		8	0	17.77	17.73	17.74	19
		8	4	17.78	17.75	17.79	19
		8	7	17.78	17.6	17.72	19
		15	0	17.61	17.58	17.71	19
	64QAM	1	0	17.62	17.64	17.53	19
		1	7	17.5	17.72	17.62	19
		1	14	17.45	17.77	17.53	19
		8	0	17.44	17.48	17.44	19
		8	4	17.37	17.47	17.3	19
		8	7	17.35	17.41	17.37	19
		15	0	17.4	17.47	17.45	19
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	17.63	17.58	17.49	19
		1	13	17.41	17.4	17.42	19
		1	24	17.43	17.64	17.44	19
		12	0	17.56	17.46	17.57	19
		12	6	17.45	17.52	17.41	19
		12	13	17.49	17.47	17.54	19
		25	0	17.58	17.46	17.4	19
	16QAM	1	0	17.53	17.66	17.85	19
		1	13	18.06	17.83	17.68	19
		1	24	17.87	17.88	17.99	19
		12	0	17.69	17.56	17.56	19
		12	6	17.47	17.54	17.35	19
		12	13	17.57	17.54	17.57	19
		25	0	17.62	17.46	17.42	19
	64QAM	1	0	17.38	17.41	17.45	19
		1	13	16.8	16.88	16.97	19
		1	24	17.25	17.38	17.36	19
		12	0	17.16	17.24	17.22	19
		12	6	17.17	17.22	17.27	19
		12	13	17.17	17.26	17.26	19
		25	0	17.23	17.19	17.18	19
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	17.92	17.87	17.69	19
		1	25	17.84	17.56	17.37	19
		1	49	17.76	17.67	17.43	19
		25	0	17.87	17.83	17.73	19
		25	13	17.7	17.67	17.69	19
		25	25	17.69	17.7	17.67	19
		50	0	17.67	17.82	17.77	19
	16QAM	1	0	17.92	17.96	17.89	19
		1	25	17.7	17.77	18.33	19

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		1	49	18.11	18.23	18.19	19
		25	0	17.8	17.88	17.6	19
		25	13	17.69	17.74	17.6	19
		25	25	17.66	17.6	17.57	19
		50	0	17.62	17.71	17.65	19
	64QAM	1	0	17.56	17.58	17.67	19
		1	25	17.32	17.5	17.37	19
		1	49	17.53	17.54	17.64	19
		25	0	17.5	17.56	17.37	19
		25	13	17.39	17.57	17.36	19
		25	25	17.39	17.56	17.45	19
		50	0	17.5	17.56	17.4	19
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	17.79	17.7	17.69	19
		1	38	17.76	17.71	17.68	19
		1	74	17.58	17.77	17.66	19
		36	0	17.75	17.78	17.75	19
		36	18	17.74	17.7	17.71	19
		36	39	17.76	17.73	17.63	19
		75	0	17.71	17.71	17.81	19
	16QAM	1	0	18.14	18.33	17.96	19
		1	38	18.09	18.01	18.07	19
		1	74	17.87	18.05	17.61	19
		36	0	17.71	17.75	17.86	19
		36	18	17.69	17.66	17.72	19
		36	39	17.62	17.58	17.63	19
		75	0	17.66	17.65	17.71	19
	64QAM	1	0	17.4	17.57	17.6	19
		1	38	17.47	17.71	17.58	19
		1	74	17.56	17.57	17.48	19
		36	0	17.54	17.57	17.43	19
		36	18	17.39	17.51	17.36	19
		36	39	17.43	17.54	17.45	19
		75	0	17.44	17.5	17.4	19
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	17.8	17.51	17.59	19
		1	50	17.62	17.73	17.37	19
		1	99	**17.88**	17.68	17.78	19
		50	0	**17.85**	17.76	17.76	19
		50	25	17.74	17.66	17.77	19
		50	50	17.76	17.72	17.8	19
		100	0	17.76	17.72	17.76	19
	16QAM	1	0	17.86	17.83	17.52	19
		1	50	17.78	18.15	17.63	19
		1	99	18.17	18.17	18.1	19

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		50	0	17.79	17.83	17.69	19
		50	25	17.6	17.68	17.59	19
		50	50	17.66	17.71	17.62	19
		100	0	17.64	17.69	17.67	19
	64QAM	1	0	17.3	17.42	17.46	19
		1	50	17.17	17.44	17.39	19
		1	99	17.6	17.62	17.67	19
		50	0	17.53	17.56	17.52	19
		50	25	17.5	17.56	17.36	19
		50	50	17.4	17.54	17.41	19
		100	0	17.52	17.54	17.38	19

LTE Band 4 Receiver off (Body Scene)+WiFi on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	18.81	18.69	18.74	20
		1	2	18.96	18.29	18.79	20
		1	5	18.79	18.7	18.7	20
		3	0	18.57	18.67	18.54	20
		3	2	18.81	18.7	18.35	20
		3	3	18.75	18.7	18.53	20
		6	0	18.71	18.63	18.63	20
	16QAM	1	0	18.58	19.16	18.95	20
		1	2	19.05	19.06	18.74	20
		1	5	19.32	18.92	19.12	20
		3	0	19.02	18.74	18.78	20
		3	2	18.62	18.41	18.46	20
		3	3	18.58	18.43	18.57	20
		6	0	18.75	18.53	18.61	20
	64QAM	1	0	18.58	18.68	18.56	20
		1	2	18.3	18.41	18.42	20
		1	5	18.51	18.6	18.57	20
		3	0	18.47	18.47	18.31	20
		3	2	18.33	18.33	18.29	20
		3	3	18.37	18.43	18.42	20
		6	0	18.39	18.43	18.37	20
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	18.88	18.81	18.59	20
		1	7	18.73	16.93	17.86	20
		1	14	18.82	18.65	18.69	20
		8	0	18.82	18.76	18.54	20
		8	4	18.77	18.59	18.75	20
		8	7	18.77	18.86	18.68	20
		15	0	18.68	18.75	18.75	20

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	16QAM	1	0	18.96	19.19	19.07	20
		1	7	18.56	18.5	18.61	20
		1	14	18.8	19.2	19.11	20
		8	0	18.55	18.53	18.67	20
		8	4	18.52	18.66	18.67	20
		8	7	18.74	18.55	18.49	20
		15	0	18.7	18.57	18.51	20
	64QAM	1	0	18.6	18.66	18.59	20
		1	7	18.52	18.74	18.6	20
		1	14	18.48	18.59	18.56	20
		8	0	18.5	18.49	18.42	20
		8	4	18.39	18.46	18.28	20
		8	7	18.34	18.41	18.34	20
		15	0	18.38	18.47	18.44	20
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	18.67	18.53	18.58	20
		1	13	18.45	18.37	18.3	20
		1	24	18.47	18.33	18.42	20
		12	0	18.58	18.47	18.5	20
		12	6	18.42	18.35	18.45	20
		12	13	18.49	18.55	18.44	20
		25	0	18.63	18.45	18.41	20
	16QAM	1	0	18.52	19.04	18.68	20
		1	13	18.78	18.66	18.37	20
		1	24	18.83	18.49	18.86	20
		12	0	18.51	18.5	18.54	20
		12	6	18.44	18.4	18.4	20
		12	13	18.5	18.5	18.47	20
		25	0	18.61	18.41	18.33	20
	64QAM	1	0	18.27	18.4	18.24	20
		1	13	17.99	18.24	17.89	20
		1	24	18.32	18.49	18.23	20
		12	0	18.28	18.29	18.25	20
		12	6	18.25	18.2	18.09	20
		12	13	18.29	18.23	18.24	20
		25	0	18.24	18.2	18.12	20
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	18.85	18.91	18.82	20
		1	25	18.62	17.68	18.82	20
		1	49	18.64	18.66	18.6	20
		25	0	18.83	18.75	18.69	20
		25	13	18.76	18.67	18.76	20
		25	25	18.84	18.63	18.68	20
		50	0	18.77	18.76	18.72	20
	16QAM	1	0	19.2	19.18	19.12	20

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		1	25	18.37	19	18.88	20
		1	49	19.21	19.05	18.67	20
		25	0	18.75	18.66	18.65	20
		25	13	18.73	18.67	18.62	20
		25	25	18.71	18.69	18.57	20
		50	0	18.58	18.67	18.63	20
	64QAM	1	0	18.63	18.62	18.64	20
		1	25	18.17	18.4	18.45	20
		1	49	18.52	18.44	18.55	20
		25	0	18.52	18.43	18.51	20
		25	13	18.39	18.45	18.47	20
		25	25	18.38	18.42	18.43	20
		50	0	18.47	18.42	18.45	20
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	18.91	18.91	18.8	20
		1	38	18.85	18.77	18.81	20
		1	74	18.74	18.69	18.68	20
		36	0	18.78	18.78	18.83	20
		36	18	18.77	18.78	18.81	20
		36	39	18.74	18.71	18.7	20
		75	0	18.79	18.67	18.78	20
	16QAM	1	0	19.12	19.3	18.74	20
		1	38	18.54	19.2	19.06	20
		1	74	18.97	19.04	18.6	20
		36	0	18.74	18.72	18.82	20
		36	18	18.69	18.72	18.66	20
		36	39	18.69	18.72	18.58	20
		75	0	18.65	18.61	18.74	20
	64QAM	1	0	18.52	18.53	18.61	20
		1	38	18.51	18.67	18.56	20
		1	74	18.51	18.52	18.41	20
		36	0	18.49	18.48	18.48	20
		36	18	18.4	18.46	18.53	20
		36	39	18.47	18.56	18.51	20
		75	0	18.4	18.5	18.48	20
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	18.73	18.64	18.63	20
		1	50	18.72	18.43	18.18	20
		1	99	18.72	**18.81**	18.8	20
		50	0	18.82	**18.83**	18.78	20
		50	25	18.75	18.74	18.8	20
		50	50	18.74	18.7	18.76	20
		100	0	18.72	18.68	18.8	20
	16QAM	1	0	18.95	18.52	18.73	20
		1	50	19.02	18.46	18.99	20

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		1	99	19.23	19.34	18.96	20
		50	0	18.65	18.73	18.75	20
		50	25	18.72	18.66	18.65	20
		50	50	18.67	18.73	18.63	20
		100	0	18.72	18.79	18.69	20
	64QAM	1	0	18.42	18.43	18.54	20
		1	50	18.43	18.45	18.37	20
		1	99	18.6	18.71	18.66	20
		50	0	18.56	18.59	18.48	20
		50	25	18.48	18.57	18.44	20
		50	50	18.44	18.56	18.51	20
		100	0	18.52	18.56	18.43	20

LTE Band 4 Receiver on+Left head+WiFi on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	15.73	15.77	15.56	17
		1	2	15.17	15.63	15.76	17
		1	5	15.66	15.66	15.54	17
		3	0	15.64	15.56	15.5	17
		3	2	15.62	15.6	15.32	17
		3	3	15.68	15.58	15.6	17
		6	0	15.67	15.72	15.47	17
	16QAM	1	0	15.7	16.11	15.9	17
		1	2	16.02	15.46	16.01	17
		1	5	15.82	15.36	16.07	17
		3	0	15.55	15.63	15.44	17
		3	2	15.55	15.6	15.42	17
		3	3	15.52	15.62	15.55	17
		6	0	15.46	15.58	15.24	17
	64QAM	1	0	15.65	15.84	15.7	17
		1	2	15.4	15.48	15.52	17
		1	5	15.59	15.81	15.65	17
		3	0	15.51	15.64	15.44	17
		3	2	15.39	15.43	15.41	17
		3	3	15.48	15.63	15.49	17
		6	0	15.4	15.47	15.51	17
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	15.78	15.64	15.44	17
		1	7	14.68	15.11	15.06	17
		1	14	15.51	15.55	15.57	17
		8	0	15.74	15.33	15.52	17
		8	4	15.56	15.58	15.45	17
		8	7	15.77	15.45	15.49	17

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		15	0	15.68	15.57	15.42	17
	16QAM	1	0	16.05	16.06	15.55	17
		1	7	16.35	15.08	15.85	17
		1	14	16.14	15.74	15.68	17
		8	0	15.47	15.43	15.5	17
		8	4	15.62	15.58	15.3	17
		8	7	15.65	15.56	15.52	17
		15	0	15.75	15.55	15.5	17
	64QAM	1	0	15.6	15.73	15.56	17
		1	7	15.59	15.73	15.66	17
		1	14	15.51	15.66	15.64	17
		8	0	15.47	15.49	15.48	17
		8	4	15.43	15.59	15.44	17
		8	7	15.45	15.55	15.53	17
		15	0	15.5	15.53	15.44	17
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	15.45	15.38	15.19	17
		1	13	15.39	15.37	15.3	17
		1	24	15.47	15.43	15.31	17
		12	0	15.41	15.41	15.45	17
		12	6	15.3	15.37	15.29	17
		12	13	15.42	15.38	15.27	17
		25	0	15.44	15.4	15.24	17
	16QAM	1	0	15.59	15.85	15.88	17
		1	13	15.45	15.66	15.41	17
		1	24	15.64	16.03	15.51	17
		12	0	15.43	15.27	15.37	17
		12	6	15.43	15.27	15.37	17
		12	13	15.45	15.3	15.3	17
		25	0	15.34	15.3	15.17	17
	64QAM	1	0	15.4	15.45	15.4	17
		1	13	14.86	15.06	15.18	17
		1	24	15.38	15.51	15.4	17
		12	0	15.29	15.37	15.38	17
		12	6	15.22	15.31	15.32	17
		12	13	15.3	15.46	15.24	17
		25	0	15.27	15.31	15.25	17
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	15.87	15.67	15.61	17
		1	25	15.34	14.97	15.53	17
		1	49	15.71	15.46	15.47	17
		25	0	15.77	15.66	15.67	17
		25	13	15.66	15.67	15.57	17
		25	25	15.61	15.7	15.48	17
		50	0	15.61	15.63	15.64	17

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	16QAM	1	0	16.14	15.75	16.02	17
		1	25	15.48	15.3	15.27	17
		1	49	15.99	15.78	15.76	17
		25	0	15.65	15.62	15.71	17
		25	13	15.56	15.53	15.46	17
		25	25	15.53	15.53	15.41	17
		50	0	15.54	15.56	15.56	17
	64QAM	1	0	15.68	15.73	15.68	17
		1	25	15.45	15.56	15.64	17
		1	49	15.64	15.6	15.56	17
		25	0	15.54	15.61	15.49	17
		25	13	15.49	15.55	15.55	17
		25	25	15.6	15.52	15.47	17
		50	0	15.54	15.53	15.55	17
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	15.85	15.71	15.62	17
		1	38	15.66	15.63	15.59	17
		1	74	15.65	15.59	15.52	17
		36	0	15.69	15.66	15.73	17
		36	18	15.69	15.65	15.67	17
		36	39	15.6	15.61	15.59	17
		75	0	15.67	15.58	15.66	17
	16QAM	1	0	15.76	16.22	15.87	17
		1	38	15.96	15.64	16.17	17
		1	74	16.01	15.75	15.88	17
		36	0	15.62	15.6	15.59	17
		36	18	15.61	15.68	15.66	17
		36	39	15.57	15.58	15.53	17
		75	0	15.69	15.54	15.6	17
	64QAM	1	0	15.68	15.52	15.65	17
		1	38	15.63	15.66	15.67	17
		1	74	15.59	15.64	15.53	17
		36	0	15.54	15.59	15.65	17
		36	18	15.6	15.52	15.55	17
		36	39	15.63	15.53	15.47	17
		75	0	15.6	15.51	15.56	17
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	15.55	15.68	15.59	17
		1	50	15.43	**15.76**	15.21	17
		1	99	15.74	15.51	15.66	17
		50	0	**15.8**	15.68	15.67	17
		50	25	15.5	15.62	15.69	17
		50	50	15.66	15.68	15.58	17
		100	0	15.68	15.74	15.68	17
	16QAM	1	0	16.12	16.18	15.85	17

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		1	50	15.69	15.73	14.66	17
		1	99	16.18	15.3	15.27	17
		50	0	15.7	15.57	15.61	17
		50	25	15.63	15.54	15.61	17
		50	50	15.61	15.51	15.5	17
		100	0	15.61	15.68	15.61	17
	64QAM	1	0	15.52	15.6	15.45	17
		1	50	15.47	15.45	15.35	17
		1	99	15.74	15.67	15.73	17
		50	0	15.64	15.53	15.47	17
		50	25	15.58	15.52	15.58	17
		50	50	15.6	15.53	15.54	17
		100	0	15.5	15.61	15.59	17

LTE Band 4 Receiver on+Right Head+WiFi on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	14.76	14.53	14.54	16
		1	2	14.64	14.06	14.44	16
		1	5	14.82	14.73	14.47	16
		3	0	14.46	14.46	14.51	16
		3	2	14.55	14.65	14.49	16
		3	3	14.33	14.68	14.38	16
		6	0	14.44	14.7	14.22	16
	16QAM	1	0	14.47	14.85	14.53	16
		1	2	14.89	15.12	14.66	16
		1	5	14.64	15.03	14.74	16
		3	0	14.54	14.53	14.74	16
		3	2	14.85	14.36	14.68	16
		3	3	14.75	14.66	14.42	16
		6	0	14.43	14.42	14.69	16
	64QAM	1	0	14.6	14.84	14.7	16
		1	2	14.53	14.53	14.44	16
		1	5	14.6	14.77	14.64	16
		3	0	14.53	14.58	14.52	16
		3	2	14.35	14.55	14.39	16
		3	3	14.57	14.61	14.42	16
		6	0	14.43	14.53	14.46	16
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	14.67	14.56	14.67	16
		1	7	14.41	13.74	14.4	16
		1	14	14.57	14.41	14.52	16
		8	0	14.66	14.32	14.49	16
		8	4	14.68	14.54	14.16	16

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		8	7	14.41	14.57	14.55	16
		15	0	14.55	14.6	14.57	16
	16QAM	1	0	14.72	14.9	14.97	16
		1	7	14.03	14.75	14.33	16
		1	14	14.99	15.02	14.47	16
		8	0	14.56	14.54	14.42	16
		8	4	14.53	14.23	14.45	16
		8	7	14.7	14.66	14.4	16
		15	0	14.71	14.43	14.53	16
	64QAM	1	0	14.63	14.76	14.66	16
		1	7	14.66	14.73	14.62	16
		1	14	14.72	14.79	14.68	16
		8	0	14.5	14.58	14.5	16
		8	4	14.46	14.51	14.39	16
		8	7	14.43	14.54	14.5	16
		15	0	14.47	14.54	14.41	16
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	14.36	14.41	14.31	16
		1	13	14.35	14.33	14.19	16
		1	24	14.28	14.28	14.19	16
		12	0	14.32	14.38	14.33	16
		12	6	14.43	14.34	14.29	16
		12	13	14.42	14.42	14.39	16
		25	0	14.42	14.25	14.37	16
	16QAM	1	0	14.14	14.38	14.5	16
		1	13	14.76	14.32	14.9	16
		1	24	14.99	14.81	14.53	16
		12	0	14.33	14.21	14.19	16
		12	6	14.44	14.24	14.21	16
		12	13	14.43	14.27	14.29	16
		25	0	14.42	14.28	14.28	16
	64QAM	1	0	14.51	14.54	14.31	16
		1	13	13.97	14.33	14.13	16
		1	24	14.36	14.52	14.4	16
		12	0	14.28	14.35	14.3	16
		12	6	14.23	14.29	14.31	16
		12	13	14.31	14.42	14.34	16
		25	0	14.35	14.31	14.22	16
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	14.7	14.6	14.78	16
		1	25	14.27	14.75	14.63	16
		1	49	14.75	14.4	14.44	16
		25	0	14.69	14.63	14.61	16
		25	13	14.59	14.67	14.45	16
		25	25	14.64	14.62	14.43	16

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		50	0	14.61	14.61	14.53	16
	16QAM	1	0	14.75	14.9	15.06	16
		1	25	14.59	14.33	14.85	16
		1	49	15.06	14.92	14.65	16
		25	0	14.61	14.64	14.56	16
		25	13	14.59	14.41	14.34	16
		25	25	14.63	14.5	14.4	16
		50	0	14.53	14.56	14.48	16
	64QAM	1	0	14.74	14.67	14.57	16
		1	25	14.43	14.5	14.46	16
		1	49	14.63	14.69	14.64	16
		25	0	14.62	14.59	14.55	16
		25	13	14.46	14.52	14.56	16
		25	25	14.6	14.51	14.57	16
		50	0	14.48	14.52	14.58	16
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	14.63	14.7	14.57	16
		1	38	14.67	14.64	14.57	16
		1	74	14.66	14.5	14.52	16
		36	0	14.72	14.66	14.71	16
		36	18	14.63	14.71	14.67	16
		36	39	14.69	14.61	14.65	16
		75	0	14.69	14.61	14.64	16
	16QAM	1	0	14.78	14.86	14.68	16
		1	38	15.01	14.83	15	16
		1	74	14.93	14.43	14.83	16
		36	0	14.52	14.53	14.69	16
		36	18	14.69	14.5	14.66	16
		36	39	14.74	14.59	14.59	16
		75	0	14.58	14.52	14.59	16
	64QAM	1	0	14.55	14.65	14.71	16
		1	38	14.63	14.77	14.69	16
		1	74	14.59	14.67	14.69	16
		36	0	14.59	14.57	14.66	16
		36	18	14.52	14.55	14.47	16
		36	39	14.66	14.53	14.49	16
		75	0	14.5	14.54	14.6	16
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	14.67	14.68	14.52	16
		1	50	13.55	14.47	14.41	16
		1	99	**14.7**	14.63	14.63	16
		50	0	14.66	**14.71**	14.7	16
		50	25	14.59	14.63	14.65	16
		50	50	14.66	14.51	14.53	16
		100	0	14.69	14.74	14.65	16

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	16QAM	1	0	14.8	14.89	14.71	16
		1	50	14.46	15.07	14.72	16
		1	99	14.69	14.81	14.81	16
		50	0	14.57	14.68	14.61	16
		50	25	14.58	14.61	14.56	16
		50	50	14.64	14.45	14.46	16
		100	0	14.53	14.54	14.52	16
	64QAM	1	0	14.43	14.54	14.56	16
		1	50	14.45	14.49	14.57	16
		1	99	14.69	14.7	14.72	16
		50	0	14.65	14.57	14.58	16
		50	25	14.53	14.63	14.6	16
		50	50	14.5	14.63	14.56	16
		100	0	14.57	14.61	14.6	16

LTE Band 5 Receiver off (Body Scene)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20407	Channel 20525	Channel 20643	Tune up
1.4MHz	QPSK	1	0	22.52	22.39	22.39	24
		1	2	22.33	22.36	22.36	24
		1	5	22.38	22.42	22.33	24
		3	0	22.48	22.22	22.41	24
		3	2	22.3	22.2	22.42	24
		3	3	22.46	22.33	22.12	24
		6	0	21.13	21.11	21.43	23
	16QAM	1	0	21.73	21.7	21.17	23
		1	2	21.6	21.12	21.57	23
		1	5	21.9	21.56	21.08	23
		3	0	21.49	21.25	21.25	23
		3	2	21.15	21.49	21.34	23
		3	3	21.48	21.41	21.42	23
		6	0	20.51	20.41	20.29	22
	64QAM	1	0	21.32	20.56	20.41	22
		1	2	21.15	20.13	20.22	22
		1	5	21.33	20.47	20.54	22
		3	0	21.28	20.31	20.29	22
		3	2	21.05	20.21	20.09	22
		3	3	21.19	20.2	20.21	22
		6	0	20.31	19.25	19.27	21
Bandwidth	Modulation	RB size	RB offset	Channel 20415	Channel 20525	Channel 20635	Tune up
3MHz	QPSK	1	0	22.55	22.41	22.48	24
		1	7	22.48	22.24	22.61	24
		1	14	22.53	22.56	22.53	24
		8	0	21.22	21.47	21.49	23

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		8	4	21.44	21.27	21.13	23
		8	7	21.33	21.36	21.08	23
		15	0	21.55	21.59	21.47	23
		1	0	21.83	21.54	21.63	23
		1	7	21.54	21.1	21.29	23
		1	14	21.73	21.38	21.63	23
	16QAM	8	0	20.56	20.33	20.24	22
		8	4	20.62	20.53	20.35	22
		8	7	20.55	20.42	20.23	22
		15	0	20.45	20.37	20.34	22
		1	0	21.38	20.63	20.39	22
		1	7	21.36	20.58	20.48	22
		1	14	21.36	20.62	20.55	22
	64QAM	8	0	20.26	19.39	19.28	21
		8	4	20.26	19.29	19.37	21
		8	7	20.23	19.33	19.31	21
		15	0	20.26	19.28	19.36	21
Bandwidth	Modulation	RB size	RB offset	Channel 20425	Channel 20525	Channel 20625	Tune up
		1	0	22.06	22	21.9	24
		1	13	22.06	21.81	21.97	24
		1	24	21.97	21.76	21.91	24
	QPSK	12	0	20.98	20.93	21.08	23
		12	6	21.04	20.87	20.89	23
		12	13	21.04	21.01	20.92	23
		25	0	21.01	21.01	20.88	23
		1	0	21.58	21.53	21.12	23
		1	13	21.32	21.11	21.31	23
		1	24	21.24	20.93	21.35	23
5MHz	16QAM	12	0	19.96	19.9	19.92	22
		12	6	19.96	19.83	19.9	22
		12	13	20.01	19.96	19.9	22
		25	0	19.92	19.9	19.79	22
		1	0	20.85	20.09	20.07	22
		1	13	20.57	19.68	19.7	22
		1	24	20.93	19.99	20.03	22
	64QAM	12	0	19.85	18.97	18.96	21
		12	6	19.82	18.96	18.9	21
		12	13	19.83	18.95	18.84	21
		25	0	19.79	18.94	18.87	21
Bandwidth	Modulation	RB size	RB offset	Channel 20450	Channel 20525	Channel 20600	Tune up
		1	0	22.6	**22.63**	22.44	24
		1	25	22.2	21.83	22.14	24
10MHz	QPSK	1	49	22.47	22.29	22.41	24
		25	0	21.43	**21.56**	21.34	23
		25	13	21.49	21.38	21.54	23

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		25	25	21.43	21.42	21.31	23
		50	0	21.38	21.42	21.39	23
	16QAM	1	0	21.61	21.77	21.78	23
		1	25	21.57	22.12	20.52	23
		1	49	21.9	21.35	21.88	23
		25	0	20.39	20.48	20.27	22
		25	13	20.3	20.35	20.29	22
		25	25	20.38	20.27	20.31	22
		50	0	20.35	20.39	20.37	22
	64QAM	1	0	21.4	20.6	20.45	22
		1	25	21.13	20.31	20.35	22
		1	49	21.38	20.61	20.39	22
		25	0	20.41	19.32	19.36	21
		25	13	20.34	19.31	19.35	21
		25	25	20.26	19.27	19.29	21
		50	0	20.29	19.35	19.34	21

LTE Band 5 Receiver on+Left head&Right Head				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel 20407	Channel 20525	Channel 20643	Tune up
1.4MHz	QPSK	1	0	18.95	19.02	18.83	20.5
		1	2	18.93	18.09	18.85	20.5
		1	5	18.93	18.89	18.92	20.5
		3	0	18.76	18.84	18.67	20.5
		3	2	18.89	18.69	18.28	20.5
		3	3	19.08	19.02	18.59	20.5
		6	0	18.64	19.07	18.91	20.5
	16QAM	1	0	19.15	19.1	19.18	20.5
		1	2	19.17	18.95	18.53	20.5
		1	5	19.31	19.23	19.29	20.5
		3	0	18.8	18.65	18.91	20.5
		3	2	18.95	19.12	18.77	20.5
		3	3	18.65	18.93	18.68	20.5
		6	0	19.02	18.7	18.83	20.5
	64QAM	1	0	18.81	19.09	18.91	20.5
		1	2	18.67	18.79	18.62	20.5
		1	5	18.89	18.9	18.83	20.5
		3	0	18.82	18.83	18.88	20.5
		3	2	18.63	18.66	18.64	20.5
		3	3	18.73	18.82	18.83	20.5
		6	0	18.81	18.75	18.81	20.5
Bandwidth	Modulation	RB size	RB offset	Channel 20415	Channel 20525	Channel 20635	Tune up
3MHz	QPSK	1	0	18.96	18.94	18.89	20.5
		1	7	17.87	18.95	18.17	20.5

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		1	14	18.94	18.88	18.85	20.5
		8	0	18.79	18.77	18.76	20.5
		8	4	18.58	18.87	18.78	20.5
		8	7	18.97	18.78	18.79	20.5
		15	0	18.98	18.79	18.9	20.5
	16QAM	1	0	19.21	19.33	19	20.5
		1	7	19.49	18.95	18.41	20.5
		1	14	18.92	18.71	19.01	20.5
		8	0	19.13	18.88	18.63	20.5
		8	4	18.76	18.9	18.8	20.5
		8	7	18.95	18.59	18.69	20.5
		15	0	19.03	18.89	18.92	20.5
	64QAM	1	0	18.92	19.04	18.97	20.5
		1	7	18.92	19.07	18.86	20.5
		1	14	18.89	19.02	18.96	20.5
		8	0	18.8	18.88	18.87	20.5
		8	4	18.83	18.76	18.8	20.5
		8	7	18.76	18.77	18.76	20.5
		15	0	18.81	18.78	18.83	20.5
Bandwidth	Modulation	RB size	RB offset	Channel 20425	Channel 20525	Channel 20625	Tune up
5MHz	QPSK	1	0	18.47	18.65	18.57	20.5
		1	13	18.5	18.42	18.28	20.5
		1	24	18.49	18.4	18.37	20.5
		12	0	18.44	18.52	18.4	20.5
		12	6	18.44	18.46	18.47	20.5
		12	13	18.48	18.45	18.27	20.5
		25	0	18.4	18.43	18.4	20.5
	16QAM	1	0	19.04	18.44	18.87	20.5
		1	13	18.82	18.17	18.66	20.5
		1	24	18.8	18.48	17.9	20.5
		12	0	18.39	18.56	18.29	20.5
		12	6	18.22	18.43	18.41	20.5
		12	13	18.56	18.47	18.21	20.5
		25	0	18.27	18.49	18.31	20.5
	64QAM	1	0	18.44	18.52	18.59	20.5
		1	13	17.99	18.19	18.08	20.5
		1	24	18.34	18.55	18.46	20.5
		12	0	18.42	18.48	18.39	20.5
		12	6	18.33	18.45	18.39	20.5
		12	13	18.34	18.44	18.32	20.5
		25	0	18.29	18.44	18.31	20.5
Bandwidth	Modulation	RB size	RB offset	Channel 20450	Channel 20525	Channel 20600	Tune up
10MHz	QPSK	1	0	18.9	18.93	**18.97**	20.5
		1	25	18.71	18.86	18.84	20.5
		1	49	18.95	18.82	18.77	20.5

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		25	0	18.89	18.86	18.91	20.5
		25	13	18.81	18.82	**18.93**	20.5
		25	25	18.9	18.84	18.79	20.5
		50	0	18.84	18.93	18.85	20.5
	16QAM	1	0	18.64	18.62	19.66	20.5
		1	25	18.7	19.29	19.43	20.5
		1	49	19.42	19.18	19.23	20.5
		25	0	18.91	18.94	18.83	20.5
		25	13	18.86	18.91	18.89	20.5
		25	25	18.86	18.76	18.8	20.5
		50	0	18.88	18.83	18.79	20.5
	64QAM	1	0	19.03	19.06	19.05	20.5
		1	25	18.72	18.57	18.62	20.5
		1	49	18.95	18.95	18.87	20.5
		25	0	18.93	18.92	18.9	20.5
		25	13	18.93	18.91	18.81	20.5
		25	25	18.79	18.81	18.75	20.5
		50	0	18.92	18.9	18.89	20.5

LTE Band 5 Receiver off (Body Scene)+WiFi on				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel 20407	Channel 20525	Channel 20643	Tune up
1.4MHz	QPSK	1	0	19.58	19.49	19.4	21
		1	2	18.95	18.93	19.34	21
		1	5	19.32	19.47	19.32	21
		3	0	19.43	19.24	19.33	21
		3	2	19.37	19.17	19.31	21
		3	3	19.37	19.3	19.15	21
		6	0	19.32	19.3	19.32	21
	16QAM	1	0	19.8	19.5	19.68	21
		1	2	19.39	19.71	19.76	21
		1	5	19.96	19.88	19.75	21
		3	0	19.41	19.3	19.34	21
		3	2	19.32	18.77	19.25	21
		3	3	19.23	19.33	19.5	21
		6	0	19.4	19.33	19.14	21
	64QAM	1	0	19.34	19.57	19.45	21
		1	2	19.18	19.34	19.25	21
		1	5	19.35	19.53	19.53	21
		3	0	19.23	19.39	19.38	21
		3	2	19.17	19.18	19.25	21
		3	3	19.22	19.23	19.2	21
		6	0	19.18	19.22	19.18	21
Bandwidth	Modulation	RB size	RB offset	Channel 20415	Channel 20525	Channel 20635	Tune up

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		1	0	19.51	19.49	19.41	21
		1	7	18.66	19.23	18.97	21
		1	14	19.5	19.49	19.52	21
	QPSK	8	0	19.51	19.48	19.2	21
		8	4	19.46	19.46	19.44	21
		8	7	19.45	19.35	19.48	21
		15	0	19.55	19.47	19.48	21
		1	0	19.87	19.78	18.99	21
		1	7	19.36	19.23	18.82	21
		1	14	19.96	19.06	19.34	21
3MHz	16QAM	8	0	19.47	19.45	19.23	21
		8	4	19.63	19.21	19.4	21
		8	7	19.48	19.44	19.28	21
		15	0	19.49	19.34	19.5	21
		1	0	19.44	19.55	19.42	21
		1	7	19.44	19.57	19.53	21
		1	14	19.43	19.61	19.47	21
	64QAM	8	0	19.29	19.35	19.31	21
		8	4	19.29	19.42	19.34	21
		8	7	19.31	19.24	19.25	21
		15	0	19.26	19.36	19.36	21
Bandwidth	Modulation	RB size	RB offset	Channel 20425	Channel 20525	Channel 20625	Tune up
		1	0	19	18.96	18.89	21
		1	13	18.97	18.96	18.97	21
		1	24	19.06	18.82	18.85	21
	QPSK	12	0	18.97	19.07	18.92	21
		12	6	18.93	19.01	18.97	21
		12	13	19.01	18.99	18.91	21
		25	0	18.77	19.02	18.82	21
		1	0	19.28	18.74	18.85	21
		1	13	19.21	19.59	18.97	21
		1	24	19.17	18.94	19.28	21
5MHz	16QAM	12	0	18.96	19.04	18.76	21
		12	6	18.86	18.98	18.75	21
		12	13	19	19.11	18.89	21
		25	0	18.77	18.97	18.73	21
		1	0	18.93	19.05	19.04	21
		1	13	18.45	18.66	18.55	21
		1	24	18.86	19.02	18.9	21
	64QAM	12	0	18.9	18.96	18.91	21
		12	6	18.83	18.8	18.85	21
		12	13	18.82	18.97	18.8	21
		25	0	18.8	18.92	18.84	21
Bandwidth	Modulation	RB size	RB offset	Channel 20450	Channel 20525	Channel 20600	Tune up
10MHz	QPSK	1	0	19.35	**19.59**	19.51	21

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		1	25	19.06	19.27	19.27	21
		1	49	19.35	19.31	19.3	21
		25	0	19.48	**19.57**	19.37	21
		25	13	19.45	19.48	19.38	21
		25	25	19.39	19.37	19.44	21
		50	0	19.45	19.47	19.3	21
	16QAM	1	0	20.04	19.81	19.84	21
		1	25	18.86	19.83	19.68	21
		1	49	19.87	20.02	19.43	21
		25	0	19.37	19.38	19.34	21
		25	13	19.48	19.23	19.22	21
		25	25	19.31	19.3	19.36	21
		50	0	19.42	19.35	19.36	21
	64QAM	1	0	19.55	19.59	19.52	21
		1	25	19.19	19.27	19.3	21
		1	49	19.38	19.43	19.24	21
		25	0	19.45	19.41	19.4	21
		25	13	19.4	19.42	19.32	21
		25	25	19.28	19.39	19.26	21
		50	0	19.39	19.43	19.4	21

LTE Band 5 Receiver on+Left head&Right Head+WiFi on				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel 20407	Channel 20525	Channel 20643	Tune up
1.4MHz	QPSK	1	0	15.95	15.9	15.75	17.5
		1	2	15.36	15.71	15.32	17.5
		1	5	15.85	15.73	15.66	17.5
		3	0	15.72	15.81	15.74	17.5
		3	2	15.7	15.88	15.85	17.5
		3	3	15.68	15.63	15.82	17.5
		6	0	15.55	15.73	15.68	17.5
	16QAM	1	0	16.03	16.07	15.9	17.5
		1	2	15.69	15.56	16.07	17.5
		1	5	16.19	16.29	16.26	17.5
		3	0	15.58	15.59	15.89	17.5
		3	2	16.21	15.81	15.4	17.5
		3	3	15.89	15.62	15.81	17.5
		6	0	15.67	15.7	15.71	17.5
	64QAM	1	0	16	16.08	16	17.5
		1	2	15.68	15.73	15.67	17.5
		1	5	16.02	16.1	15.92	17.5
		3	0	15.81	15.91	15.76	17.5
		3	2	15.7	15.65	15.6	17.5
		3	3	15.85	15.79	15.67	17.5
		6	0	15.85	15.72	15.67	17.5

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Bandwidth	Modulation	RB size	RB offset	Channel 20415	Channel 20525	Channel 20635	Tune up
3MHz	QPSK	1	0	15.88	16	15.77	17.5
		1	7	15.73	15.56	15.48	17.5
		1	14	15.91	15.83	15.83	17.5
		8	0	15.89	15.77	15.84	17.5
		8	4	15.81	15.81	15.76	17.5
		8	7	15.98	15.65	15.78	17.5
		15	0	15.96	15.92	15.91	17.5
	16QAM	1	0	16.42	16.02	15.74	17.5
		1	7	16.02	14.78	15.52	17.5
		1	14	16.19	16.13	16.41	17.5
		8	0	15.95	15.73	15.82	17.5
		8	4	15.74	15.74	15.86	17.5
		8	7	15.73	15.81	15.89	17.5
		15	0	15.81	15.87	15.77	17.5
	64QAM	1	0	15.8	16	15.97	17.5
		1	7	15.9	16.06	16.03	17.5
		1	14	15.84	15.88	16.04	17.5
		8	0	15.81	15.86	15.85	17.5
		8	4	15.81	15.77	15.72	17.5
		8	7	15.76	15.78	15.81	17.5
		15	0	15.77	15.77	15.82	17.5
Bandwidth	Modulation	RB size	RB offset	Channel 20425	Channel 20525	Channel 20625	Tune up
5MHz	QPSK	1	0	15.4	15.49	15.47	17.5
		1	13	15.3	15.33	15.37	17.5
		1	24	15.38	15.34	15.27	17.5
		12	0	15.42	15.49	15.33	17.5
		12	6	15.36	15.26	15.31	17.5
		12	13	15.34	15.45	15.43	17.5
		25	0	15.22	15.34	15.46	17.5
	16QAM	1	0	15.73	15.8	15.31	17.5
		1	13	15.3	15.49	15.69	17.5
		1	24	15.49	15.41	15.64	17.5
		12	0	15.28	15.49	15.23	17.5
		12	6	15.35	15.19	15.41	17.5
		12	13	15.5	15.43	15.3	17.5
		25	0	15.22	15.36	15.19	17.5
	64QAM	1	0	15.42	15.58	15.34	17.5
		1	13	14.89	14.89	14.79	17.5
		1	24	15.37	15.55	15.45	17.5
		12	0	15.42	15.4	15.42	17.5
		12	6	15.3	15.26	15.36	17.5
		12	13	15.34	15.29	15.38	17.5
		25	0	15.25	15.4	15.33	17.5
Bandwidth	Modulation	RB size		Channel	Channel	Channel	Tune up

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			RB offset	20450	20525	20600	
10MHz	QPSK	1	0	15.77	15.86	15.83	17.5
		1	25	15.75	15.66	**16.02**	17.5
		1	49	15.77	15.81	15.68	17.5
		25	0	15.9	15.81	15.83	17.5
		25	13	15.85	15.79	**15.91**	17.5
		25	25	15.86	15.87	15.75	17.5
		50	0	15.85	15.95	15.75	17.5
	16QAM	1	0	15.55	15.98	16.2	17.5
		1	25	16.05	15.13	16.07	17.5
		1	49	16.22	15.54	15.92	17.5
		25	0	15.88	15.86	15.9	17.5
		25	13	15.84	15.87	15.69	17.5
		25	25	15.78	15.82	15.76	17.5
		50	0	15.73	15.74	15.74	17.5
	64QAM	1	0	15.97	16.04	15.89	17.5
		1	25	15.63	15.71	15.47	17.5
		1	49	15.92	15.95	15.98	17.5
		25	0	15.92	15.92	15.9	17.5
		25	13	15.88	15.89	15.84	17.5
		25	25	15.77	15.84	15.81	17.5
		50	0	15.88	15.89	15.84	17.5

LTE FDD Band 12 Receiver off (Body Scene)				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	21.85	21.97	21.96	23
		1	2	21.7	21.95	21.8	23
		1	5	21.89	21.9	22.04	23
		3	0	21.85	21.92	21.89	23
		3	2	21.96	21.77	21.85	23
		3	3	21.35	21.78	21.88	23
		6	0	21.06	20.87	21.01	22
	16QAM	1	0	21.02	20.51	21.38	22
		1	2	21.29	20.72	20.95	22
		1	5	21.55	21.44	20.8	22
		3	0	21.1	21.12	20.73	22
		3	2	20.76	20.38	20.99	22
		3	3	20.94	20.95	20.79	22
		6	0	19.9	19.71	19.7	21
	64QAM	1	0	20.12	20.21	20.22	21
		1	2	19.9	19.86	19.89	21
		1	5	20.31	20.31	20.2	21
		3	0	19.98	19.92	19.96	21

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		3	2	19.83	19.85	19.66	21
		3	3	20.03	19.92	19.94	21
		6	0	18.9	18.91	18.92	20
Bandwidth	Modulation	RB size	RB offset	Channel 23025	Channel 23095	Channel 23165	Tune up
3MHz	QPSK	1	0	21.79	22.05	21.81	23
		1	7	20.72	21.84	20.88	23
		1	14	22.02	21.83	21.85	23
		8	0	21	20.91	20.95	22
		8	4	21.15	20.96	20.86	22
		8	7	20.95	21.05	20.72	22
		15	0	20.77	21.01	20.98	22
	16QAM	1	0	21.57	20.82	20.82	22
		1	7	21.01	20.04	21.09	22
		1	14	21.33	20.94	21.14	22
		8	0	19.95	19.7	19.91	21
		8	4	20.05	20.09	19.98	21
		8	7	20.02	19.94	19.79	21
		15	0	19.81	19.98	19.92	21
	64QAM	1	0	20.26	20.15	20.04	21
		1	7	19.23	20.19	20.22	21
		1	14	20.19	20.16	20.02	21
		8	0	18.82	19.06	18.95	20
		8	4	18.66	18.92	19.05	20
		8	7	18.84	18.96	18.93	20
		15	0	18.97	18.91	18.93	20
Bandwidth	Modulation	RB size	RB offset	Channel 23035	Channel 23095	Channel 23155	Tune up
5MHz	QPSK	1	0	22	22.04	22.03	23
		1	13	22.15	22	22.08	23
		1	24	22.06	21.82	22.05	23
		12	0	21.08	21.04	20.95	22
		12	6	21.02	21.01	20.81	22
		12	13	21.08	21.1	21.12	22
		25	0	20.89	21.03	21.03	22
	16QAM	1	0	21.42	21.39	21.14	22
		1	13	21.23	21.31	21.25	22
		1	24	20.73	20.89	20.98	22
		12	0	20.04	19.91	19.87	21
		12	6	19.78	19.85	19.84	21
		12	13	20	19.97	19.99	21
		25	0	19.9	19.84	19.86	21
	64QAM	1	0	20.07	20.14	20.1	21
		1	13	20.15	19.77	19.51	21
		1	24	20.03	20.19	20.02	21
		12	0	18.82	18.97	18.95	20
		12	6	18.96	19.06	18.82	20

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		12	13	18.79	19.02	18.97	20
		25	0	18.75	18.98	18.87	20
Bandwidth	Modulation	RB size	RB offset	Channel 23060	Channel 23095	Channel 23130	Tune up
10MHz	QPSK	1	0	21.9	**21.96**	21.83	23
		1	25	21.41	21.76	21.71	23
		1	49	21.91	21.94	21.95	23
		25	0	20.97	20.97	20.9	22
		25	13	21.05	**21.08**	20.89	22
		25	25	20.98	20.9	21.07	22
		50	0	21	21.01	21.04	22
	16QAM	1	0	21.3	21.28	21.1	22
		1	25	21.55	20.84	21.1	22
		1	49	21.3	21.02	21.36	22
		25	0	19.87	19.95	19.93	21
		25	13	19.8	19.87	19.96	21
		25	25	19.84	19.79	20.06	21
		50	0	19.94	20.02	19.88	21
	64QAM	1	0	20.08	20.28	20.26	21
		1	25	19.83	19.9	19.85	21
		1	49	20.18	20.14	20.02	21
		25	0	18.97	18.96	19.02	20
		25	13	18.92	18.96	18.96	20
		25	25	18.74	18.92	18.91	20
		50	0	18.74	18.89	18.93	20

LTE FDD Band 12 Receiver on+Left head&Right Head				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	21	20.9	21.1	22
		1	2	20.21	20.29	20.81	22
		1	5	20.99	20.9	21.17	22
		3	0	20.62	20.8	20.85	22
		3	2	20.55	20.82	20.87	22
		3	3	21.06	20.86	20.93	22
		6	0	20.78	20.83	21.07	22
	16QAM	1	0	21.06	20.75	21.45	22
		1	2	20.53	21.18	21.27	22
		1	5	21.13	21.25	21.09	22
		3	0	20.57	20.57	20.86	22
		3	2	20.93	20.82	21.12	22
		3	3	21.18	20.89	21.3	22
		6	0	19.63	19.9	20.1	21
	64QAM	1	0	20.04	20.21	20.2	21
		1	2	19.72	19.92	19.72	21

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		1	5	19.69	20.25	20.15	21
		3	0	19.94	20	19.99	21
		3	2	19.93	19.76	19.7	21
		3	3	19.92	19.97	19.86	21
		6	0	18.58	18.93	18.95	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	20.95	21.09	20.91	22
		1	7	20.05	20.99	20.72	22
		1	14	20.99	20.91	21.01	22
		8	0	20.83	20.73	20.89	22
		8	4	21.04	20.88	21.12	22
		8	7	20.9	20.89	20.68	22
		15	0	20.99	20.91	20.9	22
	16QAM	1	0	21.29	21.19	20.86	22
		1	7	20.54	19.98	20.73	22
		1	14	21.3	21.67	20.64	22
		8	0	19.92	19.83	19.85	21
		8	4	19.98	19.79	19.89	21
		8	7	19.89	19.79	19.7	21
		15	0	19.83	19.68	19.88	21
	64QAM	1	0	20.01	20.09	19.96	21
		1	7	19.87	20.12	20.18	21
		1	14	20.24	20.12	19.99	21
		8	0	18.89	19.02	18.99	20
		8	4	18.83	18.91	18.97	20
		8	7	18.77	18.93	18.87	20
		15	0	18.97	18.9	18.92	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	21.01	20.94	20.98	22
		1	13	20.94	20.97	20.95	22
		1	24	20.96	20.99	20.95	22
		12	0	21.04	21.02	20.93	22
		12	6	20.95	20.93	20.93	22
		12	13	21.04	20.88	20.98	22
		25	0	20.94	20.96	20.92	22
	16QAM	1	0	20.65	21.29	20.68	22
		1	13	21.02	20.95	21.23	22
		1	24	20.95	21.35	21.28	22
		12	0	19.95	19.99	19.81	21
		12	6	19.88	19.8	19.82	21
		12	13	19.86	19.94	19.89	21
		25	0	19.78	19.93	19.76	21
	64QAM	1	0	20.16	20.08	20.05	21
		1	13	20.02	19.6	19.63	21
		1	24	19.9	20.09	20.03	21

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		12	0	18.85	19.02	18.92	20
		12	6	18.88	18.97	18.82	20
		12	13	18.81	19.04	18.97	20
		25	0	18.93	19.01	18.86	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	20.92	21	20.93	22
		1	25	20.97	20.56	20.75	22
		1	49	21	20.93	**21.13**	22
		25	0	20.9	20.88	21.05	22
		25	13	21.01	20.94	21.06	22
		25	25	21.08	20.82	**21.09**	22
		50	0	21.07	20.98	20.78	22
	16QAM	1	0	21.16	21.41	21.15	22
		1	25	20.39	21.42	21.04	22
		1	49	21.31	21.13	21.47	22
		25	0	19.91	19.93	19.9	21
		25	13	19.92	19.78	19.8	21
		25	25	19.73	19.91	20.06	21
		50	0	19.85	19.91	19.77	21
	64QAM	1	0	19.88	20.16	20.19	21
		1	25	19.56	19.87	19.67	21
		1	49	20.03	20.03	19.94	21
		25	0	18.81	18.91	19.03	20
		25	13	18.84	18.99	18.96	20
		25	25	18.92	18.96	18.89	20
		50	0	18.83	18.9	18.91	20

LTE FDD Band 12 Receiver off (Body Scene)+WiFi on				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	19.1	18.89	18.93	20
		1	2	18.9	18.93	18.98	20
		1	5	18.84	18.89	18.95	20
		3	0	18.78	18.62	18.94	20
		3	2	18.94	18.31	18.89	20
		3	3	18.42	18.85	18.81	20
		6	0	18.78	18.91	18.89	20
	16QAM	1	0	19.38	19.47	18.63	20
		1	2	18.52	19.44	18.56	20
		1	5	19.41	19.46	19.52	20
		3	0	18.94	19.12	19.05	20
		3	2	18.68	19.27	18.27	20
		3	3	18.98	19.04	18.84	20
		6	0	18.87	18.9	19.13	20

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	64QAM	1	0	18.7	19.16	19.1	20
		1	2	18.79	18.89	18.9	20
		1	5	18.98	19.18	19.11	20
		3	0	18.82	18.92	18.91	20
		3	2	18.69	18.86	18.87	20
		3	3	18.77	19.01	18.83	20
		6	0	18.86	18.97	18.93	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	19.01	18.97	18.86	20
		1	7	18.13	18.97	18.71	20
		1	14	18.85	18.98	18.86	20
		8	0	18.92	18.85	19.08	20
		8	4	18.85	19.01	19.13	20
		8	7	18.75	18.94	18.86	20
		15	0	18.84	18.87	18.88	20
	16QAM	1	0	19.8	19.57	19.23	20
		1	7	19.07	17.91	19.28	20
		1	14	19.12	19.33	19.3	20
		8	0	19.01	18.75	19.1	20
		8	4	18.98	18.99	18.94	20
		8	7	18.9	18.93	18.87	20
		15	0	18.81	18.97	18.81	20
	64QAM	1	0	19.02	19.03	19.16	20
		1	7	19.09	19.05	19.05	20
		1	14	19.1	19.18	18.96	20
		8	0	18.88	18.97	18.95	20
		8	4	18.9	18.94	19.03	20
		8	7	18.87	18.96	18.88	20
		15	0	18.82	18.92	18.89	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	18.82	18.81	18.91	20
		1	13	18.93	18.94	19.01	20
		1	24	18.84	18.88	18.92	20
		12	0	18.89	19	18.98	20
		12	6	18.8	19.03	18.82	20
		12	13	18.99	19.08	19.07	20
		25	0	18.86	18.8	18.88	20
	16QAM	1	0	19.37	19.19	18.64	20
		1	13	19.11	19.14	19.33	20
		1	24	19.27	19.44	19.19	20
		12	0	19	19.07	19.04	20
		12	6	18.94	19.13	18.89	20
		12	13	18.9	18.99	18.92	20
		25	0	18.72	18.84	18.7	20
	64QAM	1	0	18.91	19.18	19.13	20

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		1	13	18.62	18.77	18.65	20
		1	24	19	19.1	19.07	20
		12	0	18.91	18.98	18.91	20
		12	6	18.89	19.05	18.83	20
		12	13	18.89	19.01	18.97	20
		25	0	18.84	18.99	18.91	20
Bandwidth	Modulation	RB size	RB offset	Channel 23060	Channel 23095	Channel 23130	Tune up
10MHz	QPSK	1	0	18.84	18.76	18.92	20
		1	25	18.18	18.94	19.01	20
		1	49	18.98	18.95	**19.14**	20
		25	0	18.86	18.92	18.99	20
		25	13	19.05	18.93	18.91	20
		25	25	19.03	18.95	**19.11**	20
		50	0	19.04	19.03	18.88	20
	16QAM	1	0	18.7	19.11	19.11	20
		1	25	19.13	19.03	19.79	20
		1	49	19.27	19.5	19.44	20
		25	0	18.92	18.94	18.98	20
		25	13	18.92	18.93	18.87	20
		25	25	19	18.91	19.1	20
		50	0	18.97	18.96	18.79	20
	64QAM	1	0	19.06	19.19	19.24	20
		1	25	18.92	18.95	18.86	20
		1	49	19.13	19.02	18.95	20
		25	0	18.92	18.89	19.03	20
		25	13	18.9	19	18.95	20
		25	25	18.9	18.94	18.9	20
		50	0	18.96	18.93	18.91	20

LTE FDD Band 12 Receiver on+Left head&Right Head+WiFi on				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	17.83	17.83	17.89	19
		1	2	17.88	18.1	17.87	19
		1	5	17.87	17.87	17.95	19
		3	0	17.72	17.7	17.83	19
		3	2	17.88	17.98	17.72	19
		3	3	17.95	17.87	17.89	19
		6	0	17.91	17.8	17.71	19
	16QAM	1	0	18.01	18.18	17.85	19
		1	2	18.03	18.03	17.17	19
		1	5	18.03	18.05	18.27	19
		3	0	17.71	17.87	17.86	19
		3	2	17.84	17.66	17.51	19

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		3	3	17.8	17.84	17.2	19
		6	0	17.97	17.71	17.93	19
		1	0	17.76	17.77	18.34	19
		1	2	18.06	18.22	17.06	19
		1	5	18	18.21	17.91	19
	64QAM	3	0	17.96	17.86	17.63	19
		3	2	17.87	18.01	17.85	19
		3	3	17.78	17.98	18.04	19
		6	0	17.88	17.9	18.24	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
		1	0	17.86	17.81	17.68	19
		1	7	17.4	17.05	17.6	19
		1	14	17.83	18.04	17.76	19
	QPSK	8	0	17.84	17.8	17.79	19
		8	4	17.79	17.93	17.88	19
		8	7	17.79	17.83	17.72	19
		15	0	17.92	17.82	17.89	19
		1	0	18.06	17.65	17.9	19
		1	7	16.95	17.64	17.59	19
		1	14	17.83	17.59	18.2	19
3MHz	16QAM	8	0	17.63	17.83	17.91	19
		8	4	17.85	17.81	17.68	19
		8	7	17.68	17.78	17.81	19
		15	0	17.83	17.83	17.76	19
		1	0	17.9	18.12	18.08	19
		1	7	18.06	18.1	17.98	19
		1	14	17.97	18.17	18.06	19
	64QAM	8	0	17.89	17.92	18.11	19
		8	4	17.86	17.99	17.95	19
		8	7	17.87	17.93	17.95	19
		15	0	17.84	17.98	17.91	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
		1	0	17.82	17.77	17.89	19
		1	13	17.76	17.95	17.95	19
		1	24	17.79	17.87	17.98	19
	QPSK	12	0	17.83	17.85	17.93	19
		12	6	17.72	17.93	17.71	19
		12	13	17.89	17.82	17.97	19
5MHz		25	0	17.81	17.74	17.74	19
		1	0	18.27	17.91	18.09	19
		1	13	17.63	18.12	18.39	19
		1	24	18.52	18.22	18.42	19
	16QAM	12	0	17.77	17.96	17.81	19
		12	6	17.86	17.86	17.66	19
		12	13	17.76	17.76	17.9	19

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		25	0	17.89	17.83	17.89	19
	64QAM	1	0	18.01	18.11	18.12	19
		1	13	17.56	17.8	17.75	19
		1	24	17.95	18.01	17.99	19
		12	0	18	18.14	18.05	19
		12	6	17.88	18.05	17.92	19
		12	13	17.88	18.03	18.01	19
		25	0	17.87	18	17.92	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	17.77	17.77	17.81	19
		1	25	17.54	17.74	17.71	19
		1	49	17.85	17.84	**17.95**	19
		25	0	17.78	17.85	17.92	19
		25	13	17.78	17.75	17.91	19
		25	25	17.85	**17.98**	17.93	19
		50	0	17.82	17.89	17.99	19
	16QAM	1	0	18.08	18.06	17.45	19
		1	25	18.12	18.12	17.53	19
		1	49	18.33	17.97	18.46	19
		25	0	17.78	17.73	17.79	19
		25	13	17.69	17.72	17.88	19
		25	25	17.72	17.9	17.82	19
		50	0	17.77	17.74	17.79	19
	64QAM	1	0	18.03	18.08	18.15	19
		1	25	17.78	17.87	17.82	19
		1	49	18	17.9	18.06	19
		25	0	17.98	18.02	18.06	19
		25	13	17.88	17.98	18	19
		25	25	18	17.98	17.93	19
		50	0	17.85	17.99	18.01	19

LTE FDD Band 17 Receiver off (Body Scene)				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	21.7	21.65	21.61	23
		1	13	21.85	21.68	21.73	23
		1	24	21.66	21.67	21.8	23
		12	0	20.81	20.64	20.67	22
		12	6	20.6	20.65	20.72	22
		12	13	20.85	20.74	20.85	22
		25	0	20.78	20.63	20.68	22
	16QAM	1	0	21.21	21.11	21.17	22
		1	13	20.77	20.91	21.24	22
		1	24	21.08	20.82	21.21	22

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		12	0	19.65	19.8	19.63	21
		12	6	19.59	19.74	19.56	21
		12	13	19.69	19.64	19.8	21
		25	0	19.52	19.59	19.71	21
		1	0	19.92	19.91	19.91	21
		1	13	19.84	19.31	19.22	21
		1	24	19.77	19.76	19.87	21
	64QAM	12	0	18.79	18.78	18.62	20
		12	6	18.51	18.77	18.63	20
		12	13	18.68	18.74	18.65	20
		25	0	18.61	18.71	18.68	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz		1	0	**21.98**	21.96	21.85	23
		1	25	21.61	21.58	21.35	23
		1	49	21.95	21.97	21.91	23
	QPSK	25	0	20.98	20.86	20.9	22
		25	13	20.9	20.89	20.89	22
		25	25	**21.11**	21	20.92	22
		50	0	20.87	21.06	21.04	22
		1	0	21.01	21.2	21.02	22
		1	25	21.17	20.14	20.48	22
		1	49	21.28	21.49	21.14	22
	16QAM	25	0	19.85	19.85	19.9	21
		25	13	19.77	20.05	19.88	21
		25	25	19.85	20.02	19.91	21
		50	0	19.82	19.86	19.8	21
		1	0	20.12	20.14	20.09	21
		1	25	19.86	19.96	19.91	21
		1	49	20.14	20.14	19.97	21
	64QAM	25	0	18.78	19.04	19.03	20
		25	13	18.86	18.91	18.98	20
		25	25	18.88	18.87	18.9	20
		50	0	18.92	18.93	18.96	20

LTE FDD Band 17 Receiver on+Left head&Right Head				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz		1	0	20.82	20.65	20.59	22
		1	13	20.83	20.76	20.72	22
		1	24	20.61	20.71	20.76	22
	QPSK	12	0	20.71	20.75	20.64	22
		12	6	20.71	20.74	20.61	22
		12	13	20.81	20.65	20.85	22
		25	0	20.75	20.68	20.61	22

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	16QAM	1	0	21.1	20.84	20.79	22
		1	13	21.39	20.95	20.6	22
		1	24	20.98	20.71	20.8	22
		12	0	19.53	19.69	19.57	21
		12	6	19.67	19.54	19.72	21
		12	13	19.68	19.6	19.65	21
		25	0	19.55	19.47	19.57	21
	64QAM	1	0	19.71	19.9	19.94	21
		1	13	19.57	19.55	19.26	21
		1	24	19.81	19.7	19.73	21
		12	0	18.65	18.8	18.67	20
		12	6	18.66	18.69	18.7	20
		12	13	18.62	18.78	18.7	20
		25	0	18.57	18.75	18.68	20

Bandwidth	Modulation	RB size	RB offset	Channel 23780	Channel 23790	Channel 23800	Tune up
10MHz	QPSK	1	0	20.86	20.85	20.9	22
		1	25	20.86	20.5	20.9	22
		1	49	**21.16**	20.82	20.95	22
		25	0	20.9	20.82	20.79	22
		25	13	20.87	20.95	20.95	22
		25	25	**20.99**	20.97	20.98	22
		50	0	20.91	20.91	20.85	22
	16QAM	1	0	21.17	20.73	21.28	22
		1	25	21.21	20.87	20.99	22
		1	49	21.43	21.26	20.6	22
		25	0	19.87	19.92	19.92	21
		25	13	19.79	19.83	19.89	21
		25	25	19.87	19.81	20.02	21
		50	0	19.83	19.87	19.85	21
	64QAM	1	0	20.19	20.11	20.08	21
		1	25	19.76	19.83	19.68	21
		1	49	19.92	20.02	19.94	21
		25	0	18.87	19.06	19.03	20
		25	13	19.01	18.93	18.98	20
		25	25	18.76	18.87	18.93	20
		50	0	18.84	18.96	18.98	20

LTE FDD Band 17 Receiver off (Body Scene)+WiFi on				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel 23755	Channel 23790	Channel 23825	Tune up
5MHz	QPSK	1	0	18.73	18.74	18.77	20
		1	13	18.65	18.77	18.73	20
		1	24	18.72	18.58	18.78	20
		12	0	18.8	18.77	18.75	20

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		12	6	18.72	18.77	18.73	20
		12	13	18.71	18.73	18.75	20
		25	0	18.69	18.7	18.73	20
	16QAM	1	0	19.19	19.07	18.78	20
		1	13	18.83	19.03	18.81	20
		1	24	19.18	19.16	19.24	20
		12	0	18.77	18.75	18.71	20
		12	6	18.82	18.75	18.63	20
		12	13	18.69	18.72	18.63	20
		25	0	18.57	18.77	18.61	20
	64QAM	1	0	18.62	18.89	18.81	20
		1	13	18.13	18.48	18.3	20
		1	24	18.7	18.76	18.83	20
		12	0	18.8	18.78	18.65	20
		12	6	18.65	18.71	18.68	20
		12	13	18.7	18.73	18.65	20
		25	0	18.64	18.61	18.64	20

Bandwidth	Modulation	RB size	RB offset	Channel 23780	Channel 23790	Channel 23800	Tune up
10MHz	QPSK	1	0	18.88	18.97	18.89	20
		1	25	18.58	18.98	18.72	20
		1	49	**19.04**	19.03	19.01	20
		25	0	19.03	18.95	19.06	20
		25	13	18.91	18.97	19.03	20
		25	25	**19.08**	18.96	18.9	20
		50	0	19.03	18.98	18.96	20
	16QAM	1	0	19.34	18.83	18.83	20
		1	25	18.99	18.73	19.33	20
		1	49	18.81	19.58	19.25	20
		25	0	18.98	18.92	18.89	20
		25	13	18.92	18.86	18.96	20
		25	25	19.04	18.81	18.9	20
		50	0	18.97	18.9	18.69	20
	64QAM	1	0	18.97	19.23	19.17	20
		1	25	18.59	18.93	18.85	20
		1	49	18.81	18.94	19.03	20
		25	0	18.91	19.03	19.04	20
		25	13	18.95	18.98	19	20
		25	25	18.82	18.91	18.9	20
		50	0	18.87	19	18.93	20

LTE FDD Band 17 Receiver on+Left head&Right Head+WiFi on				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel 23755	Channel 23790	Channel 23825	Tune up
5MHz	QPSK	1	0	17.55	17.67	17.5	19

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		1	13	17.45	17.69	17.67	19
		1	24	17.67	17.56	17.49	19
		12	0	17.57	17.68	17.66	19
		12	6	17.6	17.61	17.4	19
		12	13	17.62	17.68	17.66	19
		25	0	17.58	17.63	17.49	19
	16QAM	1	0	17.37	17.9	17.89	19
		1	13	17.99	17.73	17.88	19
		1	24	17.57	17.6	18.05	19
		12	0	17.51	17.54	17.57	19
		12	6	17.53	17.59	17.53	19
		12	13	17.64	17.66	17.73	19
		25	0	17.41	17.62	17.4	19
	64QAM	1	0	17.63	17.93	17.86	19
		1	13	16.82	17.51	17.33	19
		1	24	17.65	17.8	17.74	19
		12	0	17.83	17.77	17.78	19
		12	6	17.68	17.77	17.68	19
		12	13	17.75	17.81	17.77	19
		25	0	17.75	17.71	17.64	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	17.77	17.87	**17.91**	19
		1	25	17.82	17.73	17.01	19
		1	49	17.84	17.84	**17.92**	19
		25	0	17.88	17.8	17.89	19
		25	13	17.84	17.83	17.88	19
		25	25	17.92	17.93	17.87	19
		50	0	17.98	17.92	17.84	19
	16QAM	1	0	18.16	18.27	18.09	19
		1	25	17.16	17.96	18.33	19
		1	49	17.86	18.02	17.86	19
		25	0	17.75	17.82	17.77	19
		25	13	17.87	17.64	17.89	19
		25	25	17.88	17.8	17.76	19
		50	0	17.81	17.83	17.78	19
	64QAM	1	0	18.05	18.09	18.17	19
		1	25	17.84	17.81	17.8	19
		1	49	17.86	17.9	17.94	19
		25	0	17.89	18.03	18.02	19
		25	13	17.96	17.89	17.95	19
		25	25	17.99	17.99	17.85	19
		50	0	17.94	17.99	18	19

Table 16：Conducted Power Of LTE

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8.1.3 Conducted Power of WIFI and BT

WIFI 2.4GHz Full Power (receiver off)							
Mode	Antenna	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11b	Ant1	1	2412	1	16	14.91	No
		6	2437		18.5	17.75	Yes
		11	2462		16.5	15.84	No
	Ant2	1	2412		14	12.48	No
		6	2437		16.5	14.71	Yes
		11	2462		14.5	13.01	No
802.11g	Ant1	1	2412	6	15	13.82	No
		6	2437		17.5	16.57	No
		11	2462		15.5	14.63	No
	Ant2	1	2412		13	11.61	No
		6	2437		15.5	14.04	No
		11	2462		13.5	12.09	No
802.11n HT20 SISO	Ant1	1	2412	6.5	15	13.84	No
		6	2437		17.5	16.48	No
		11	2462		15.5	14.67	No
	Ant2	1	2412		13	11.33	No
		6	2437		15.5	13.72	No
		11	2462		13.5	11.96	No
802.11g CDD	Ant1	1	2412	6	15	13.82	No
		6	2437		17.5	16.57	No
		11	2462		15.5	14.63	No
	Ant2	1	2412		13	11.61	No
		6	2437		15.5	14.04	No
		11	2462		13.5	12.09	No
802.11n HT20 MIMO	Sum	1	2412	13	17.1	15.77	No
		6	2437		19.6	18.33	No
		11	2462		17.6	16.53	No

WIFI2.4GHz receiver on(head scene)							
Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11b	Ant1	1	2412	1	14.5	13.96	No
		6	2437		14.5	14.02	Yes
		11	2462		14.5	14.01	No
	Ant2	1	2412		13	11.48	No
		6	2437		13	11.66	Yes
		11	2462		13	11.64	No
802.11g	Ant1	1	2412	6	14.5	13.32	No
		6	2437		14.5	13.65	No

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		11	2462		14.5	13.64	No
	Ant2	1	2412		13	11.45	No
		6	2437		13	11.28	No
		11	2462		13	11.56	No
802.11n HT20 SISO	Ant1	1	2412	6.5	14.5	13.30	No
		6	2437		14.5	13.79	No
		11	2462		14.5	13.65	No
	Ant2	1	2412		13	11.49	No
		6	2437		13	11.23	No
		11	2462		13	11.51	No
802.11g CDD	Ant1	1	2412	6	14.5	13.32	No
		6	2437		14.5	13.65	No
		11	2462		14.5	13.64	No
	Ant2	1	2412		13	11.45	No
		6	2437		13	11.28	No
		11	2462		13	11.56	No
802.11HT20 MIMO	Sum	1	2412	13	16.8	15.50	No
		6	2437		16.8	15.71	No
		11	2462		16.8	15.72	No

WIFI5GHz Ant1 Full Power							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	13.5	12.89	No
		40	5200		16	15.67	No
		44	5220		16	15.54	No
		48	5240		16	15.51	No
	U-NII-2A	52	5260		16	15.16	No
		56	5280		16	**15.23**	Yes
		60	5300		16	15.06	No
		64	5320		13.5	13.08	No
	U-NII-2C	100	5500		13.5	12.71	No
		104	5520		16	14.65	No
		108	5540		16	15.27	No
		112	5560		16	15.19	No
		116	5580		16	15.17	No
		120	5600		16	15.19	No
		124	5620		16	15.11	No
		128	5640		16	15.31	No
		132	5660		16	15.33	No
		136	5680		16	**15.39**	Yes
		140	5700		13.5	12.56	No
		144	5720		13.5	12.71	No
	U-NII-3	149	5745		13.5	13.12	No

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		153	5765		16	**15.58**	Yes
		157	5785		16	15.46	No
		161	5805		16	15.51	No
		165	5825		13.5	12.91	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	13.50	12.21	No
		40	5200		16.00	14.85	No
		44	5220		16.00	14.84	No
		48	5240		16.00	14.89	No
	U-NII-2A	52	5260		16.00	15.01	No
		56	5280		16.00	15.01	No
		60	5300		16.00	15.11	No
		64	5320		13.50	12.36	No
	U-NII-2C	100	5500		13.50	12.54	No
		104	5520		16.00	15.53	No
		108	5540		16.00	15.45	No
		112	5560		16.00	15.49	No
		116	5580		16.00	15.39	No
		120	5600		16.00	15.22	No
		124	5620		16.00	15.23	No
		128	5640		16.00	15.39	No
		132	5660		16.00	15.48	No
		136	5680		16.00	15.37	No
		140	5700		13.50	12.51	No
		144	5720		13.50	12.55	No
	U-NII-3	149	5745		13.50	12.15	No
		153	5765		16.00	15.03	No
		157	5785		16.00	14.97	No
		161	5805		16.00	14.96	No
		165	5825		13.50	12.13	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS0	10.50	9.24	No
		46	5230		13.00	11.68	No

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	U-NII-2A	54	5270		13.00	11.76	No
		62	5310		10.50	9.39	No
	U-NII-2C	102	5510		10.50	9.43	No
		110	5550		13.00	11.93	No
		118	5590		13.00	11.85	No
		126	5630		13.00	11.78	No
		134	5670		13.00	11.89	No
		142	5710		10.50	9.42	No
	U-NII-3	151	5755		10.50	9.60	No
		159	5795		13.00	11.75	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	13.50	12.25	No
		40	5200		16.00	14.90	No
		44	5220		16.00	14.87	No
		48	5240		16.00	14.93	No
	U-NII-2A	52	5260		16.00	15.07	No
		56	5280		16.00	15.05	No
		60	5300		16.00	15.04	No
		64	5320		13.50	12.36	No
	U-NII-2C	100	5500		13.50	12.52	No
		104	5520		16.00	15.45	No
		108	5540		16.00	15.52	No
		112	5560		16.00	15.50	No
		116	5580		16.00	15.42	No
		120	5600		16.00	15.24	No
		124	5620		16.00	15.20	No
		128	5640		16.00	15.41	No
		132	5660		16.00	15.33	No
		136	5680		16.00	15.33	No
		140	5700		13.50	12.61	No
		144	5720		13.50	12.56	No
	U-NII-3	149	5745		13.50	12.22	No
		153	5765		16.00	15.09	No
		157	5785		16.00	14.97	No
		161	5805		16.00	14.94	No
		165	5825		13.50	12.13	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	10.50	9.22	No
		46	5230		13.00	11.65	No
	U-NII-2A	54	5270		13.00	12.00	No
		62	5310		10.50	9.40	No
		102	5510		10.50	9.44	No

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	U-NII-2C	110	5550		13.00	11.85	No
		118	5590		13.00	11.98	No
		126	5630		13.00	11.70	No
		134	5670		13.00	11.86	No
		142	5710		10.50	9.44	No
	U-NII-3	151	5755		10.50	9.60	No
		159	5795		13.00	11.74	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 80M	U-NII-1	42	5210	MCS0	11.50	9.86	No
	U-NII-2A	58	5290		11.50	10.02	No
	U-NII-2C	106	5530		11.50	10.00	No
		122	5610		12.50	10.86	No
		138	5690		11.50	9.96	No
	U-NII-3	155	5775		11.50	10.05	No

WIFI5GHz Ant1 receiver on(head scene)							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	9.5	8.37	No
		40	5200		9.5	8.40	No
		44	5220		9.5	8.30	No
		48	5240		9.5	8.84	No
	U-NII-2A	52	5260		9.5	8.72	No
		56	5280		9.5	9.14	No
		60	5300		9.5	9.01	No
		64	5320		9.5	8.89	No
	U-NII-2C	100	5500		9.5	9.28	No
		104	5520		9.5	9.22	No
		108	5540		9.5	9.24	No
		112	5560		9.5	9.22	No
		116	5580		9.5	9.29	No
		120	5600		9.5	9.28	No
		124	5620		9.5	9.25	No
		128	5640		9.5	8.81	No
		132	5660		9.5	8.84	No
		136	5680		9.5	8.76	No
		140	5700		9.5	8.90	No
		144	5720		9.5	8.93	No
	U-NII-3	149	5745		9.5	8.23	No
		153	5765		9.5	8.34	No
		157	5785		9.5	8.30	No
		161	5805		9.5	8.20	No

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		165	5825		9.5	8.33	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	9.5	8.40	No
		40	5200		9.5	8.44	No
		44	5220		9.5	8.46	No
		48	5240		9.5	8.28	No
	U-NII-2A	52	5260		9.5	8.73	No
		56	5280		9.5	8.58	No
		60	5300		9.5	8.55	No
		64	5320		9.5	8.50	No
	U-NII-2C	100	5500		9.5	8.71	No
		104	5520		9.5	8.83	No
		108	5540		9.5	8.65	No
		112	5560		9.5	8.63	No
		116	5580		9.5	8.65	No
		120	5600		9.5	8.64	No
		124	5620		9.5	8.70	No
		128	5640		9.5	8.63	No
		132	5660		9.5	8.74	No
		136	5680		9.5	8.77	No
		140	5700		9.5	8.86	No
		144	5720		9.5	8.82	No
	U-NII-3	149	5745		9.5	8.26	No
		153	5765		9.5	8.18	No
		157	5785		9.5	8.29	No
		161	5805		9.5	8.31	No
		165	5825		9.5	8.32	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS0	9.5	8.34	No
		46	5230		9.5	8.17	No
	U-NII-2A	54	5270		9.5	8.62	No
		62	5310		9.5	8.62	No
	U-NII-2C	102	5510		9.5	8.54	No
		110	5550		9.5	8.27	No
		118	5590		9.5	8.43	No
		126	5630		9.5	8.53	No
		134	5670		9.5	8.32	No
		142	5710		9.5	8.42	No
	U-NII-3	151	5755		9.5	8.53	No
		159	5795		9.5	8.57	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	9.5	8.53	No
		40	5200		9.5	8.51	No
		44	5220		9.5	8.32	No
		48	5240		9.5	8.38	No
	U-NII-2A	52	5260		9.5	8.72	No
		56	5280		9.5	8.65	No
		60	5300		9.5	8.65	No
		64	5320		9.5	8.47	No
	U-NII-2C	100	5500		9.5	8.79	No
		104	5520		9.5	8.82	No
		108	5540		9.5	8.80	No
		112	5560		9.5	8.88	No
		116	5580		9.5	8.79	No
		120	5600		9.5	8.78	No
		124	5620		9.5	8.69	No
		128	5640		9.5	8.76	No
		132	5660		9.5	8.78	No
		136	5680		9.5	8.76	No
		140	5700		9.5	8.71	No
		144	5720		9.5	8.80	No
	U-NII-3	149	5745		9.5	8.08	No
		153	5765		9.5	8.23	No
		157	5785		9.5	8.28	No
		161	5805		9.5	8.28	No
		165	5825		9.5	8.23	No

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	9.5	8.30	No
		46	5230		9.5	8.19	No
	U-NII-2A	54	5270		9.5	8.61	No
		62	5310		9.5	8.63	No
	U-NII-2C	102	5510		9.5	8.36	No
		110	5550		9.5	8.56	No
		118	5590		9.5	8.39	No
		126	5630		9.5	8.40	No
		134	5670		9.5	8.41	No
		142	5710		9.5	8.45	No
	U-NII-3	151	5755		9.5	8.52	No
		159	5795		9.5	8.46	No

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
	U-NII-1	42	5210	MCS0	9.5	8.05	No

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802.11ac 80M	U-NII-2A	58	5290		9.5	**8.37**	Yes
	U-NII-2C	106	5530		9.5	**8.25**	Yes
		122	5610		9.5	8.20	No
		138	5690		9.5	8.08	No
	U-NII-3	155	5775		9.5	**8.22**	Yes

WIFI5GHz Ant2 Full Power							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	11.00	10.16	No
		40	5200		13.50	12.57	No
		44	5220		13.50	12.35	No
		48	5240		13.50	12.49	No
	U-NII-2A	52	5260		13.50	12.28	No
		56	5280		13.50	**12.34**	Yes
		60	5300		13.50	12.28	No
		64	5320		11.00	10.25	No
	U-NII-2C	100	5500		11.00	9.76	No
		104	5520		13.50	12.09	No
		108	5540		13.50	11.83	No
		112	5560		13.50	11.95	No
		116	5580		13.50	11.76	No
		120	5600		13.50	12.29	No
		124	5620		13.50	12.25	No
		128	5640		13.50	12.24	No
		132	5660		13.50	12.14	No
		136	5680		13.50	**12.33**	Yes
		140	5700		11.00	9.60	No
		144	5720		11.00	9.16	No
	U-NII-3	149	5745		11.00	9.74	No
		153	5765		13.50	**12.05**	Yes
		157	5785		13.50	11.95	No
		161	5805		13.50	11.79	No
		165	5825		11.00	9.45	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	11.00	10.06	No
		40	5200		13.50	12.54	No
		44	5220		13.50	12.48	No
		48	5240		13.50	12.47	No
	U-NII-2A	52	5260		13.50	12.22	No
		56	5280		13.50	12.13	No
		60	5300		13.50	12.24	No
		64	5320		11.00	9.85	No

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	U-NII-2C	100	5500		11.00	9.75	No
		104	5520		13.50	11.91	No
		108	5540		13.50	11.89	No
		112	5560		13.50	11.79	No
		116	5580		13.50	11.67	No
		120	5600		13.50	11.78	No
		124	5620		13.50	11.51	No
		128	5640		13.50	11.65	No
		132	5660		13.50	11.51	No
		136	5680		13.50	11.55	No
		140	5700		11.00	9.14	No
		144	5720		11.00	9.11	No
	U-NII-3	149	5745		11.00	9.63	No
		153	5765		13.50	11.98	No
		157	5785		13.50	11.86	No
		161	5805		13.50	11.70	No
		165	5825		11.00	9.39	No

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS0	8.00	7.17	No
		46	5230		10.50	9.48	No
	U-NII-2A	54	5270		10.50	9.04	No
		62	5310		8.00	6.66	No
	U-NII-2C	102	5510		8.00	6.83	No
		110	5550		10.50	9.06	No
		118	5590		10.50	8.89	No
		126	5630		10.50	8.84	No
		134	5670		10.50	8.81	No
		142	5710		8.00	6.58	No
	U-NII-3	151	5755		8.00	6.54	No
		159	5795		10.50	8.68	No

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	11.00	10.00	No
		40	5200		13.50	12.60	No
		44	5220		13.50	12.47	No
		48	5240		13.50	12.43	No
	U-NII-2A	52	5260		13.50	12.25	No
		56	5280		13.50	12.27	No
		60	5300		13.50	12.20	No
		64	5320		11.00	9.84	No
	U-NII-2C	100	5500		11.00	9.75	No
		104	5520		13.50	11.91	No
		108	5540		13.50	11.88	No
		112	5560		13.50	11.67	No

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		116	5580		13.50	11.64	No
		120	5600		13.50	11.69	No
		124	5620		13.50	11.68	No
		128	5640		13.50	11.71	No
		132	5660		13.50	11.48	No
		136	5680		13.50	11.56	No
		140	5700		11.00	9.13	No
		144	5720		11.00	9.12	No
	U-NII-3	149	5745		11.00	9.74	No
		153	5765		13.50	11.97	No
		157	5785		13.50	11.87	No
		161	5805		13.50	11.76	No
		165	5825		11.00	9.38	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	8.00	7.15	No
		46	5230		10.50	9.53	No
	U-NII-2A	54	5270		10.50	9.01	No
		62	5310		8.00	6.65	No
	U-NII-2C	102	5510		8.00	6.85	No
		110	5550		10.50	9.04	No
		118	5590		10.50	8.96	No
		126	5630		10.50	8.88	No
		134	5670		10.50	8.72	No
		142	5710		8.00	6.48	No
	U-NII-3	151	5755		8.00	6.52	No
		159	5795		10.50	8.65	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 80M	U-NII-1	42	5210	MCS0	9.00	7.76	No
	U-NII-2A	58	5290		9.00	7.30	No
	U-NII-2C	106	5530		9.00	7.39	No
		122	5610		10.00	8.05	No
		138	5690		9.00	6.96	No
	U-NII-3	155	5775		9.00	7.05	No

WIFI5GHz Ant2 receiver on(head scene)							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	11	10.19	No
		40	5200		12	10.93	No
		44	5220		12	11.08	No
		48	5240		12	10.95	No

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	U-NII-2A	52	5260		12	10.73	No
		56	5280		12	**10.87**	Yes
		60	5300		12	10.73	No
		64	5320		11	9.82	No
	U-NII-2C	100	5500		11	9.71	No
		104	5520		12	10.51	No
		108	5540		12	10.46	No
		112	5560		12	10.43	No
		116	5580		12	10.33	No
		120	5600		12	10.43	No
		124	5620		12	10.21	No
		128	5640		12	10.57	No
		132	5660		12	10.63	No
		136	5680		12	**10.85**	Yes
		140	5700		11	9.59	No
		144	5720		11	9.11	No
	U-NII-3	149	5745		11	9.57	No
		153	5765		12	**10.57**	Yes
		157	5785		12	10.55	No
		161	5805		12	10.41	No
		165	5825		11	9.39	No

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	11	10.10	No
		40	5200		12	11.03	No
		44	5220		12	11.03	No
		48	5240		12	11.03	No
	U-NII-2A	52	5260		12	10.69	No
		56	5280		12	10.80	No
		60	5300		12	10.70	No
		64	5320		11	9.82	No
	U-NII-2C	100	5500		11	9.72	No
		104	5520		12	10.63	No
		108	5540		12	10.50	No
		112	5560		12	10.51	No
		116	5580		12	10.33	No
		120	5600		12	10.40	No
		124	5620		12	10.32	No
		128	5640		12	10.25	No
		132	5660		12	10.22	No
		136	5680		12	10.25	No
		140	5700		11	9.13	No
		144	5720		11	9.21	No
	U-NII-3	149	5745		11	9.79	No
		153	5765		12	10.70	No
		157	5785		12	10.45	No

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		161	5805		12	10.40	No
		165	5825		11	9.49	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS0	8	7.30	No
		46	5230		10.5	9.55	No
	U-NII-2A	54	5270		10.5	9.10	No
		62	5310		8	6.65	No
	U-NII-2C	102	5510		8	6.86	No
		110	5550		10.5	9.18	No
		118	5590		10.5	9.07	No
		126	5630		10.5	8.95	No
		134	5670		10.5	8.75	No
		142	5710		8	6.48	No
	U-NII-3	151	5755		8	6.55	No
		159	5795		10.5	8.87	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	11	10.16	No
		40	5200		12	10.92	No
		44	5220		12	11.02	No
		48	5240		12	11.07	No
	U-NII-2A	52	5260		12	10.78	No
		56	5280		12	10.85	No
		60	5300		12	10.80	No
		64	5320		11	9.73	No
	U-NII-2C	100	5500		11	9.66	No
		104	5520		12	10.61	No
		108	5540		12	10.46	No
		112	5560		12	10.53	No
		116	5580		12	10.34	No
		120	5600		12	10.27	No
		124	5620		12	10.22	No
		128	5640		12	10.16	No
		132	5660		12	10.23	No
		136	5680		12	10.24	No
		140	5700		11	9.25	No
		144	5720		11	9.04	No
	U-NII-3	149	5745		11	9.74	No
		153	5765		12	10.56	No
		157	5785		12	10.50	No
		161	5805		12	10.37	No
		165	5825		11	9.37	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	8	7.21	No
		46	5230		10.5	9.63	No
	U-NII-2A	54	5270		10.5	9.03	No
		62	5310		8	6.74	No
	U-NII-2C	102	5510		8	6.86	No
		110	5550		10.5	9.14	No
		118	5590		10.5	9.16	No
		126	5630		10.5	9.03	No
		134	5670		10.5	8.80	No
		142	5710		8	6.40	No
	U-NII-3	151	5755		8	6.60	No
		159	5795		10.5	8.66	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 80M	U-NII-1	42	5210	MCS0	9.00	7.79	No
	U-NII-2A	58	5290		9.00	7.40	No
	U-NII-2C	106	5530		9.00	7.29	No
		122	5610		10.00	8.80	No
		138	5690		9.00	7.02	No
	U-NII-3	155	5775		9.00	7.01	No

WIFI5GHz CDD Full Power							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	12	15.44	14.75	No
		40	5200		17.94	17.40	No
		44	5220		17.94	17.24	No
		48	5240		17.94	17.27	No
	U-NII-2A	52	5260		17.94	16.96	No
		56	5280		17.94	17.03	No
		60	5300		17.94	16.90	No
		64	5320		15.44	14.90	No
	U-NII-2C	100	5500		15.44	14.49	No
		104	5520		17.94	16.57	No
		108	5540		17.94	16.89	No
		112	5560		17.94	16.88	No
		116	5580		17.94	16.80	No
		120	5600		17.94	16.99	No
		124	5620		17.94	16.92	No
		128	5640		17.94	17.05	No

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		132	5660		17.94	17.03	No
		136	5680		17.94	17.13	No
		140	5700		15.44	14.34	No
		144	5720		15.44	14.30	No
	U-NII-3	149	5745		15.44	14.76	No
		153	5765		17.94	17.17	No
		157	5785		17.94	17.06	No
		161	5805		17.94	17.05	No
		165	5825		15.44	14.53	No
WIFI5GHz MIMO Full Power							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS8	15.44	14.28	No
		40	5200		17.94	16.86	No
		44	5220		17.94	16.83	No
		48	5240		17.94	16.86	No
	U-NII-2A	52	5260		17.94	16.85	No
		56	5280		17.94	16.81	No
		60	5300		17.94	16.92	No
		64	5320		15.44	14.29	No
	U-NII-2C	100	5500		15.44	14.38	No
		104	5520		17.94	17.10	No
		108	5540		17.94	17.04	No
		112	5560		17.94	17.03	No
		116	5580		17.94	16.93	No
		120	5600		17.94	16.84	No
		124	5620		17.94	16.77	No
		128	5640		17.94	16.92	No
		132	5660		17.94	16.94	No
		136	5680		17.94	16.88	No
		140	5700		15.44	14.15	No
		144	5720		15.44	14.17	No
	U-NII-3	149	5745		15.44	14.08	No
		153	5765		17.94	16.78	No
		157	5785		17.94	16.70	No
		161	5805		17.94	16.64	No
		165	5825		15.44	13.98	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS8	12.44	11.34	No
		46	5230		14.94	13.73	No
	U-NII-2A	54	5270		14.94	13.62	No
		62	5310		12.44	11.25	No
	U-NII-2C	102	5510		12.44	11.33	No
		110	5550		14.94	13.74	No

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		118	5590		14.94	13.63	No
		126	5630		14.94	13.56	No
		134	5670		14.94	13.63	No
		142	5710		12.44	11.24	No
	U-NII-3	151	5755		12.44	11.34	No
		159	5795		14.94	13.49	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS8	15.44	14.28	No
		40	5200		17.94	16.91	No
		44	5220		17.94	16.84	No
		48	5240		17.94	16.87	No
	U-NII-2A	52	5260		17.94	16.90	No
		56	5280		17.94	16.89	No
		60	5300		17.94	16.86	No
		64	5320		15.44	14.29	No
	U-NII-2C	100	5500		15.44	14.36	No
		104	5520		17.94	17.04	No
		108	5540		17.94	17.08	No
		112	5560		17.94	17.00	No
		116	5580		17.94	16.94	No
		120	5600		17.94	16.83	No
		124	5620		17.94	16.80	No
		128	5640		17.94	16.95	No
		132	5660		17.94	16.83	No
		136	5680		17.94	16.85	No
		140	5700		15.44	14.22	No
		144	5720		15.44	14.18	No
	U-NII-3	149	5745		15.44	14.16	No
		153	5765		17.94	16.81	No
		157	5785		17.94	16.70	No
		161	5805		17.94	16.65	No
		165	5825		15.44	13.98	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS8	12.44	11.32	No
		46	5230		14.94	13.73	No
	U-NII-2A	54	5270		14.94	13.77	No
		62	5310		12.44	11.25	No
	U-NII-2C	102	5510		12.44	11.35	No
		110	5550		14.94	13.68	No
		118	5590		14.94	13.74	No
		126	5630		14.94	13.53	No
		134	5670		14.94	13.58	No
		142	5710		12.44	11.22	No

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	U-NII-3	151	5755		12.44	11.34	No
		159	5795		14.94	13.47	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 80M	U-NII-1	42	5210	MCS8	13.44	11.95	No
	U-NII-2A	58	5290		13.44	11.88	No
	U-NII-2C	106	5530		13.44	11.90	No
		122	5610		14.44	12.69	No
		138	5690		13.44	11.72	No
	U-NII-3	155	5775		13.44	11.81	No

WIFI5GHz CDD receiver on(head scene)							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	12	13.3	12.38	No
		40	5200		13.9	12.86	No
		44	5220		13.9	12.92	No
		48	5240		13.9	13.03	No
	U-NII-2A	52	5260		13.9	12.85	No
		56	5280		13.9	13.10	No
		60	5300		13.9	12.96	No
		64	5320		13.3	12.39	No
	U-NII-2C	100	5500		13.3	12.51	No
		104	5520		13.9	12.92	No
		108	5540		13.9	12.90	No
		112	5560		13.9	12.88	No
		116	5580		13.9	12.85	No
		120	5600		13.9	12.90	No
		124	5620		13.9	12.77	No
		128	5640		13.9	12.79	No
		132	5660		13.9	12.84	No
		136	5680		13.9	12.94	No
		140	5700		13.3	12.27	No
		144	5720		13.3	12.03	No
	U-NII-3	149	5745		13.3	11.96	No
		153	5765		13.9	12.61	No
		157	5785		13.9	12.58	No
		161	5805		13.9	12.45	No
		165	5825		13.3	11.90	No
WIFI5GHz MIMO receiver on(head scene)							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test

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802.11n-HT20	U-NII-1	36	5180	MCS8	13.3	12.34	No
		40	5200		13.9	12.94	No
		44	5220		13.9	12.94	No
		48	5240		13.9	12.88	No
	U-NII-2A	52	5260		13.9	12.83	No
		56	5280		13.9	12.84	No
		60	5300		13.9	12.77	No
		64	5320		13.3	12.22	No
	U-NII-2C	100	5500		13.3	12.25	No
		104	5520		13.9	12.83	No
		108	5540		13.9	12.68	No
		112	5560		13.9	12.68	No
		116	5580		13.9	12.58	No
		120	5600		13.9	12.62	No
		124	5620		13.9	12.60	No
		128	5640		13.9	12.53	No
		132	5660		13.9	12.55	No
		136	5680		13.9	12.58	No
		140	5700		13.3	12.01	No
		144	5720		13.3	12.03	No
	U-NII-3	149	5745		13.3	12.10	No
		153	5765		13.9	12.63	No
		157	5785		13.9	12.51	No
		161	5805		13.9	12.49	No
		165	5825		13.3	11.95	No

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS8	11.8	10.86	No
		46	5230		13.0	11.92	No
	U-NII-2A	54	5270		13.0	11.88	No
		62	5310		11.8	10.76	No
	U-NII-2C	102	5510		11.8	10.79	No
		110	5550		13.0	11.76	No
		118	5590		13.0	11.77	No
		126	5630		13.0	11.76	No
		134	5670		13.0	11.55	No
		142	5710		11.8	10.57	No
	U-NII-3	151	5755		11.8	10.66	No
		159	5795		13.0	11.73	No

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS8	13.3	12.43	No
		40	5200		13.9	12.89	No
		44	5220		13.9	12.89	No
		48	5240		13.9	12.94	No

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	U-NII-2A	52	5260		13.9	12.88	No
		56	5280		13.9	12.90	No
		60	5300		13.9	12.87	No
		64	5320		13.3	12.16	No
	U-NII-2C	100	5500		13.3	12.26	No
		104	5520		13.9	12.82	No
		108	5540		13.9	12.72	No
		112	5560		13.9	12.79	No
		116	5580		13.9	12.64	No
		120	5600		13.9	12.60	No
		124	5620		13.9	12.53	No
		128	5640		13.9	12.53	No
		132	5660		13.9	12.58	No
		136	5680		13.9	12.57	No
		140	5700		13.3	12.00	No
		144	5720		13.3	11.93	No
	U-NII-3	149	5745		13.3	12.00	No
		153	5765		13.9	12.56	No
		157	5785		13.9	12.54	No
		161	5805		13.9	12.46	No
		165	5825		13.3	11.85	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS8	11.8	10.80	No
		46	5230		13.0	11.98	No
	U-NII-2A	54	5270		13.0	11.84	No
		62	5310		11.8	10.80	No
	U-NII-2C	102	5510		11.8	10.68	No
		110	5550		13.0	11.87	No
		118	5590		13.0	11.80	No
		126	5630		13.0	11.74	No
		134	5670		13.0	11.62	No
		142	5710		11.8	10.56	No
	U-NII-3	151	5755		11.8	10.68	No
		159	5795		13.0	11.57	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 80M	U-NII-1	42	5210	MCS8	12.3	10.93	No
	U-NII-2A	58	5290		12.3	10.92	No
	U-NII-2C	106	5530		12.3	10.81	No
		122	5610		12.8	11.52	No
		138	5690		12.3	10.59	No
	U-NII-3	155	5775		12.3	10.67	No

Table 17：Conducted Power Of WIFI

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Note:

a) Power must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band.

b) Power measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.

1) When the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured.

2) When the same highest maximum output power is specified for multiple largest channel bandwidth configurations with the same lowest order modulation or lowest order modulation and lowest data rate, power measurement is required for all equivalent 802.11 configurations with the same maximum output power.

c) For each transmission mode configuration, power must be measured for the highest and lowest channels; and at the mid-band channel(s) when there are at least 3 channels. For configurations with multiple mid-band channels, due to an even number of channels, both channels should be measured.

BT			Tune up (dBm)	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)		GFSK
GFSK	0	2402	10	7.31
	5	2407	10	8.06
	10	2412	10	8.22
GFSK	11	2413	10.1	8.21
	39	2441	10.1	8.37
	58	2460	10.1	7.76
GFSK	59	2461	10.4	8.45
	65	2467	10.4	**9.22**
	70	2472	10.4	8.97
GFSK	71	2473	10.3	7.87
	75	2477	10.3	7.75
	78	2480	10.3	7.06
π/4DQPSK	0	2402	6.7	3.63
	5	2407	6.7	4.26
	10	2412	6.7	4.36
π/4DQPSK	11	2413	7.6	4.35
	39	2441	7.6	4.39
	58	2460	7.6	3.97
π/4DQPSK	59	2461	7.8	3.98
	65	2467	7.8	4.53
	70	2472	7.8	4.16
π/4DQPSK	71	2473	6.6	4.07
	75	2477	6.6	3.84
	78	2480	6.6	3.12
8DPSK	0	2402	6.7	3.65
	5	2407	6.7	4.28

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	10	2412	6.7	4.37
8DPSK	11	2413	7.6	4.36
	39	2441	7.6	4.41
	58	2460	7.6	3.98
8DPSK	59	2461	7.8	4.04
	65	2467	7.8	4.54
	70	2472	7.8	4.17
8DPSK	71	2473	6.6	4.08
	75	2477	6.6	3.84
	78	2480	6.6	3.13
BLE			Tune up (dBm)	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)		GFSK
GFSK	0	2402	5.1	1.31
	3	2408	5.1	2.13
	5	2412	5.1	2.35
GFSK	6	2414	5.6	2.39
	19	2440	5.6	2.47
	31	2464	5.6	2.79
GFSK	32	2466	5.6	2.24
	33	2468	5.6	2.32
	34	2470	5.6	2.1
GFSK	35	2472	4.9	1.91
	37	2476	4.9	1.66
	39	2480	4.9	0.97

Table 18：Conducted Power Of BT

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8.2 Stand-alone SAR test evaluation

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.

Freq. Band	Frequency (GHz)	Position	Average Power		Test Separation (mm)	Calculate Value	Exclusion Threshold	Exclusion (Y/N)
			dBm	mW				
Wi-Fi	2.45	Head	13	20.0	0	6.2	3	N
		Body-worn	16.5	44.7	15	4.7	3	N
		hotspot	16.5	44.7	10	7.0	3	N
Wi-Fi	5	Head	9.5	8.9	0	4.0	3	N
		Body-worn	13.5	22.4	15	3.3	3	N
		Limb	13.5	22.4	0	10.83	7.5	N
Bluetooth	2.48	Head	10.4	11.0	0	3.5	3	N
		Body-worn	10.4	11.0	15	1.2	3	Y
		hotspot	10.4	11.0	10	1.7	3	Y

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where
• f(GHz) is the RF channel transmit frequency in GHz
• Power and distance are rounded to the nearest mW and mm before calculation
• The result is rounded to one decimal place for comparison.

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

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8.3 Measurement of SAR Data

8.3.1 SAR Result Of GSM850

Ant1 Test data										
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp**
Head Test data										
Left cheek	GSM	190/836.6	1:8.3	0.109	0.05	32.41	33.5	1.285	0.140	22.1
Left tilted	GSM	190/836.6	1:8.3	0.0629	0.07	32.41	33.5	1.285	0.081	22.1
Right cheek	GSM	190/836.6	1:8.3	0.182	0.04	32.41	33.5	1.285	0.234	22.1
Right tilted	GSM	190/836.6	1:8.3	0.0751	-0.06	32.41	33.5	1.285	0.097	22.1
Head Test Data at the worst case with Battery 2#										
Right cheek	GSM	190/836.6	1:8.3	0.189	-0.08	32.41	33.5	1.285	**0.243**	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	190/836.6	1:8.3	0.223	-0.06	32.41	33.5	1.285	0.287	22.1
Back side	GSM	190/836.6	1:8.3	0.254	0.05	32.41	33.5	1.285	0.326	22.1
Front side	GPRS 2TS	190/836.6	1:4.15	0.234	-0.07	30.03	31	1.250	0.293	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.275	0.06	30.03	31	1.250	**0.344**	22.1
Body worn Test data with Battery 2#										
Back side	GPRS 2TS	190/836.6	1:4.15	0.275	0.1	30.03	31	1.250	0.344	22.1
Hotspot Test data(Separate 10mm)										
Front side	GPRS 2TS	190/836.6	1:4.15	0.377	-0.08	30.03	31	1.250	0.471	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.44	0.04	30.03	31	1.250	**0.550**	22.1
Left side	GPRS 2TS	190/836.6	1:4.15	0.0731	-0.12	30.03	31	1.250	0.091	22.1
Right side	GPRS 2TS	190/836.6	1:4.15	0.281	0.02	30.03	31	1.250	0.351	22.1
Bottom side	GPRS 2TS	190/836.6	1:4.15	0.292	0.12	30.03	31	1.250	0.365	22.1
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Back side	GPRS 2TS	190/836.6	1:4.15	0.406	-0.01	30.03	31	1.250	0.508	22.1
Ant2 Test data										
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp**
Head Test data										
Left cheek	GSM	190/836.6	1:8.3	0.366	0.08	27.79	29.5	1.483	0.543	22.1
Left tilted	GSM	190/836.6	1:8.3	0.34	-0.01	27.79	29.5	1.483	0.504	22.1
Right cheek	GSM	190/836.6	1:8.3	0.386	0.08	28.32	30	1.472	0.568	22.1
Right tilted	GSM	190/836.6	1:8.3	0.397	0.19	28.32	30	1.472	**0.585**	22.1
Head Test Data at the worst case with Battery 2#										
Right tilted	GSM	190/836.6	1:8.3	0.351	0.04	28.32	30	1.472	0.517	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	190/836.6	1:8.3	0.0449	0.03	31.94	33.5	1.432	0.064	22.1
Back side	GSM	190/836.6	1:8.3	0.0444	-0.02	31.94	33.5	1.432	0.064	22.1
Front side	GPRS 2TS	190/836.6	1:4.15	0.128	0.01	29.48	31	1.419	**0.182**	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.125	-0.03	29.48	31	1.419	0.177	22.1
Body worn Test data with Battery 2#										
Front side	GPRS 2TS	190/836.6	1:4.15	0.117	-0.07	29.48	31	1.419	0.166	22.1
Hotspot actived for WIFI Test data(Separate 10mm)										
Front side	GPRS 2TS	190/836.6	1:4.15	0.111	-0.1	27.26	28	1.186	0.132	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.117	-0.07	27.26	28	1.186	**0.139**	22.1
Left side	GPRS 2TS	190/836.6	1:4.15	0.0448	-0.02	27.26	28	1.186	0.053	22.1

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Right side	GPRS 2TS	190/836.6	1:4.15	0.00614	-0.04	27.26	28	1.186	0.007	22.1
Top side	GPRS 2TS	190/836.6	1:4.15	0.088	-0.01	27.26	28	1.186	0.104	22.1
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Back side	GPRS 2TS	190/836.6	1:4.15	0.1	-0.06	27.26	28	1.186	0.119	22.1

Table 19： SAR of GSM850 for Head and Body.

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B

2) Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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8.3.2 SAR Result Of GSM1900

Ant1 Test data										
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp**
Head Test data										
Left cheek	GSM	661/1880	1:8.3	0.071	0.1	29.74	30.2	1.112	**0.079**	22.1
Left tilted	GSM	661/1880	1:8.3	0.029	-0.07	29.74	30.2	1.112	0.032	22.1
Right cheek	GSM	661/1880	1:8.3	0.052	0.03	29.74	30.2	1.112	0.058	22.1
Right tilted	GSM	661/1880	1:8.3	0.037	0.06	29.74	30.2	1.112	0.041	22.1
Head Test Data at the worst case with Battery 2#										
Left cheek	GSM	661/1880	1:8.3	0.069	0.01	29.74	30.2	1.112	0.077	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	661/1880	1:8.3	0.225	0.08	29.74	30.2	1.112	0.250	22.1
Back side	GSM	661/1880	1:8.3	0.255	0.15	29.74	30.2	1.112	0.283	22.1
Front side	GPRS 2TS	661/1880	1:4.15	0.251	0.01	27.45	28.2	1.189	0.298	22.1
Back side	GPRS 2TS	661/1880	1:4.15	0.29	-0.16	27.45	28.2	1.189	**0.345**	22.1
Body worn Test Data at the worst case with Battery 2#										
Back side	GPRS 2TS	661/1880	1:4.15	0.289	0.02	27.45	28.2	1.189	0.343	22.1
Hotspot Test data(Separate 10mm)										
Front side	GPRS 2TS	661/1880	1:4.15	0.215	0.05	23.08	24.2	1.294	0.278	22.1
Back side	GPRS 2TS	661/1880	1:4.15	0.235	0.01	23.08	24.2	1.294	0.304	22.1
Left side	GPRS 2TS	661/1880	1:4.15	0.079	0.16	23.08	24.2	1.294	0.102	22.1
Right side	GPRS 2TS	661/1880	1:4.15	0.019	-0.01	23.08	24.2	1.294	0.025	22.1
Bottom side	GPRS 2TS	661/1880	1:4.15	0.465	-0.05	23.08	24.2	1.294	**0.602**	22.1
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Bottom side	GPRS 2TS	661/1880	1:4.15	0.440	-0.05	23.08	24.2	1.294	0.569	22.1
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 10-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp**
Limb Test data sensor on(Separate 0mm)										
Bottom side	GPRS 2TS	661/1880	1:4.15	0.935	0.04	26.17	27.2	1.268	1.185	22.1
Limb Test data sensor off										
Bottom side-9mm	GPRS 2TS	661/1880	1:4.15	0.651	-0.04	27.45	28.2	1.189	0.774	22.1
Test data Limbs SAR at the worst case with Battery 2# (Separate 0mm)										
Bottom side	GPRS 2TS	661/1880	1:4.15	0.95	0.09	26.17	27.2	1.268	**1.204**	22.1

Table 20： SAR of GSM1900 for Head, Body and Limbs

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B

2) Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg (≤ 2.0 W/kg for 10g) then testing at the other channels is not required for such test configuration(s).

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8.3.3 SAR Result Of WCDMA Band II

Ant1 Test data										
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp**
Head Test data										
Left cheek	RMC	9400/1880	1:1	0.13	-0.06	22.77	24	1.327	**0.173**	22.3
Left tilted	RMC	9400/1880	1:1	0.057	-0.01	22.77	24	1.327	0.076	22.3
Right cheek	RMC	9400/1880	1:1	0.101	-0.17	22.77	24	1.327	0.134	22.3
Right tilted	RMC	9400/1880	1:1	0.074	-0.09	22.77	24	1.327	0.098	22.3
Head Test Data at the worst case with Battery 2#										
Left cheek	RMC	9400/1880	1:1	0.115	-0.03	22.77	24	1.327	0.153	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	9400/1880	1:1	0.411	-0.04	22.77	24	1.327	0.546	22.3
Back side	RMC	9400/1880	1:1	0.462	0.03	22.77	24	1.327	0.613	22.3
Body worn Test Data at the worst case with Battery 2#										
Back side	RMC	9400/1880	1:1	0.465	-0.01	22.77	24	1.327	**0.617**	22.3
Hotspot Test data(Separate 10mm)										
Front side	RMC	9400/1880	1:1	0.232	-0.19	17.39	18.5	1.291	0.300	22.3
Back side	RMC	9400/1880	1:1	0.274	0.13	17.39	18.5	1.291	0.354	22.3
Left side	RMC	9400/1880	1:1	0.0968	0.07	17.39	18.5	1.291	0.125	22.3
Right side	RMC	9400/1880	1:1	0.025	0.1	17.39	18.5	1.291	0.033	22.3
Bottom side	RMC	9400/1880	1:1	0.539	0.03	17.39	18.5	1.291	**0.696**	22.3
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Bottom side	RMC	9400/1880	1:1	0.528	0.01	17.39	18.5	1.291	0.682	22.3
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 10-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp**
Limb Test data sensor on(Separate 0mm)										
Back side	RMC	9400/1880	1:1	1.58	-0.07	20.37	21.5	1.297	2.050	22.3
Back side	RMC	9262/1852.4	1:1	1.63	0.01	20.33	21.5	1.309	2.134	22.3
Back side	RMC	9538/1907.6	1:1	1.67	0.02	20.36	21.5	1.300	**2.171**	22.3
Bottom side	RMC	9400/1880	1:1	1.48	-0.02	20.37	21.5	1.297	1.920	22.3
Limb Test data sensor off										
Back side -9mm	RMC	9400/1880	1:1	0.515	-0.03	22.77	24	1.327	0.684	22.3
Bottom side-9mm	RMC	9400/1880	1:1	0.685	-0.01	22.77	24	1.327	0.909	22.3
Limb Test data at the worst case with Battery 2#（0mm）										
Back side	RMC	9538/1907.6	1:1	1.47	0.03	20.36	21.5	1.300	1.911	22.3
Ant2 Test data										
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp**
Head Test data										
Left cheek	RMC	9400/1880	1:1	0.276	0.08	18.8	20.5	1.479	0.408	22.3
Left tilted	RMC	9400/1880	1:1	0.387	-0.01	18.8	20.5	1.479	0.572	22.3
Right cheek	RMC	9400/1880	1:1	0.445	0.06	17.85	19.5	1.462	0.651	22.3
Right tilted	RMC	9400/1880	1:1	0.459	0.04	17.85	19.5	1.462	0.671	22.3
Head Test Data at the worst case with Battery 2#										
Right tilted	RMC	9400/1880	1:1	0.474	0.19	17.85	19.5	1.462	**0.693**	22.3
Body worn Test data(Separate 15mm)										

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Front side	RMC	9400/1880	1:1	0.141	0.01	22.28	24	1.486	0.210	22.3
Back side	RMC	9400/1880	1:1	0.181	0.02	22.28	24	1.486	**0.269**	22.3
Body worn Test Data at the worst case with Battery 2#										
Back side	RMC	9400/1880	1:1	0.167	0.03	22.28	24	1.486	0.248	22.3
Hotspot actived for WIFI Test data(Separate 10mm)										
Front side	RMC	9400/1880	1:1	0.128	0.03	19.37	21	1.455	0.186	22.3
Back side	RMC	9400/1880	1:1	0.169	-0.03	19.37	21	1.455	0.246	22.3
Left side	RMC	9400/1880	1:1	0.127	0.063	19.37	21	1.455	0.185	22.3
Right side	RMC	9400/1880	1:1	0.031	0.16	19.37	21	1.455	0.045	22.3
Top side	RMC	9400/1880	1:1	0.278	-0.03	19.37	21	1.455	**0.405**	22.3
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Top side	RMC	9400/1880	1:1	0.251	-0.02	19.37	21	1.455	0.365	22.3
Ant2 Additional Test data(simultaneous transmission with WIFI)										
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp**
Left tilted	RMC	9400/1880	1:1	0.21	0.01	15.87	17.5	1.455	0.306	22.3

Table 21： SAR of WCDMA Band II for Head ,Body and Limb.

Note:

1) The maximum Scaled SAR value is marked in bold. Graph Results refer to Appendix B

2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg (≤ 2.0 W/kg for 10g) then testing at the other channels is not required for such test configuration(s).

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8.3.4 SAR Result Of WCDMA Band IV

Ant1 Test data										
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp**
Head Test data										
Left cheek	RMC	1412/1732.4	1:1	0.11	-0.09	22.16	23.2	1.271	0.14	22.3
Left tilted	RMC	1412/1732.4	1:1	0.0359	0.09	22.16	23.2	1.271	0.046	22.3
Right cheek	RMC	1412/1732.4	1:1	0.0692	0.09	22.16	23.2	1.271	0.088	22.3
Right tilted	RMC	1412/1732.4	1:1	0.0576	0.04	22.16	23.2	1.271	0.073	22.3
Head Test Data at the worst case with Battery 2#										
Left cheek	RMC	1412/1732.4	1:1	0.116	0.05	22.16	23.2	1.271	**0.147**	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	1412/1732.4	1:1	0.304	-0.09	22.16	23.2	1.271	0.386	22.3
Back side	RMC	1412/1732.4	1:1	0.269	-0.06	22.16	23.2	1.271	0.342	22.3
Body worn Test Data at the worst case with Battery 2#										
Front side	RMC	1412/1732.4	1:1	0.331	0.02	22.16	23.2	1.271	**0.421**	22.3
Hotspot Test data(Separate 10mm)										
Front side	RMC	1412/1732.4	1:1	0.255	-0.05	19.15	20.2	1.274	0.325	22.3
Back side	RMC	1412/1732.4	1:1	0.252	0.07	19.15	20.2	1.274	0.321	22.3
Left side	RMC	1412/1732.4	1:1	0.0962	-0.09	19.15	20.2	1.274	0.123	22.3
Right side	RMC	1412/1732.4	1:1	0.0231	0.08	19.15	20.2	1.274	0.029	22.3
Bottom side	RMC	1412/1732.4	1:1	0.437	-0.07	19.15	20.2	1.274	0.557	22.3
Hotspot Test Data at the worst case with Battery 2#										
Bottom side	RMC	1412/1732.4	1:1	0.57	0.06	19.15	20.2	1.274	**0.726**	22.3
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 10-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp**
Limbs Test data with sensor on(Separate 0mm)										
Bottom side	RMC	1412/1732.4	1:1	1.46	-0.08	20.68	21.7	1.265	1.847	22.3
Limbs Test data with sensor off(Separate 9mm)										
Bottom side	RMC	1412/1732.4	1:1	0.629	-0.01	22.16	23.2	1.271	0.799	22.1
Limbs Test data at the worst case with Battery 2#										
Bottom side	RMC	1412/1732.4	1:1	1.7	-0.02	20.68	21.7	1.265	2.150	22.3
Bottom side	RMC	1312/1712.4	1:1	1.81	-0.04	20.71	21.7	1.256	**2.273**	22.3
Bottom side	RMC	1513/1752.6	1:1	1.73	0.01	20.64	21.7	1.276	2.208	22.3
Ant2 Test data										
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp**
Head Test data										
Left cheek	RMC	1412/1732.4	1:1	0.424	0.1	20.21	21.7	1.409	0.598	22.3
Left tilted	RMC	1412/1732.4	1:1	0.529	0.01	20.21	21.7	1.409	**0.746**	22.3

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Right cheek	RMC	1412/1732.4	1:1	0.523	0.12	18.68	20.2	1.419	0.742	22.3
Right tilted	RMC	1412/1732.4	1:1	0.482	0.04	18.68	20.2	1.419	0.684	22.3
Head Test Data at the worst case with Battery 2#										
Left tilted	RMC	1412/1732.4	1:1	0.478	0.07	20.21	21.7	1.409	0.674	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	1412/1732.4	1:1	0.127	-0.07	21.71	23.2	1.409	0.179	22.3
Back side	RMC	1412/1732.4	1:1	0.179	-0.05	21.71	23.2	1.409	0.252	22.3
Body worn Test Data at the worst case with Battery 2#										
Back side	RMC	1412/1732.4	1:1	0.18	-0.11	21.71	23.2	1.409	**0.254**	22.3
Hotspot actived for WIFI Test data(Separate 10mm)										
Front side	RMC	1412/1732.4	1:1	0.109	-0.05	18.72	20.2	1.406	0.153	22.3
Back side	RMC	1412/1732.4	1:1	0.145	-0.05	18.72	20.2	1.406	0.204	22.3
Left side	RMC	1412/1732.4	1:1	0.156	-0.04	18.72	20.2	1.406	0.219	22.3
Right side	RMC	1412/1732.4	1:1	0.0241	-0.05	18.72	20.2	1.406	0.034	22.3
Top side	RMC	1412/1732.4	1:1	0.169	-0.02	18.72	20.2	1.406	0.238	22.3
Hotspot Test Data at the worst case with Battery 2#										
Top side	RMC	1412/1732.4	1:1	0.182	-0.03	18.72	20.2	1.406	**0.256**	22.3
Ant2 Additional Test data(simultaneous transmission with WIFI)										
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp**
Left tilted	RMC	1412/1732.4	1:1	0.2	0.03	17.22	18.7	1.406	**0.281**	22.3

Table 22： SAR of WCDMA Band IV for Head, Body and Limb.

Note:

1) The maximum Scaled SAR value is marked in bold. Graph Results refer to Appendix B

2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg (≤ 2.0 W/kg for 10g) then testing at the other channels is not required for such test configuration(s).

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8.3.5 SAR Result Of WCDMA Band V

Ant1 Test data										
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp**
Head Test data										
Left cheek	RMC	4182/836.4	1:1	0.123	0.05	23.14	24.5	1.368	0.168	22.3
Left tilted	RMC	4182/836.4	1:1	0.0836	0.08	23.14	24.5	1.368	0.114	22.3
Right cheek	RMC	4182/836.4	1:1	0.199	0.08	23.14	24.5	1.368	0.272	22.3
Right tilted	RMC	4182/836.4	1:1	0.0878	0.03	23.14	24.5	1.368	0.120	22.3
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	4182/836.4	1:1	0.204	0.07	23.14	24.5	1.368	**0.279**	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	4182/836.4	1:1	0.228	-0.1	23.14	24.5	1.368	0.312	22.3
Back side	RMC	4182/836.4	1:1	0.257	0.02	23.14	24.5	1.368	0.352	22.3
Body worn Test Data at the worst case with Battery 2#										
Back side	RMC	4182/836.4	1:1	0.28	0.05	23.14	24.5	1.368	**0.383**	22.3
Hotspot Test data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.348	-0.16	23.14	24.5	1.368	0.476	22.3
Back side	RMC	4182/836.4	1:1	0.414	0.04	23.14	24.5	1.368	0.566	22.3
Left side	RMC	4182/836.4	1:1	0.0555	-0.15	23.14	24.5	1.368	0.076	22.3
Right side	RMC	4182/836.4	1:1	0.269	-0.08	23.14	24.5	1.368	0.368	22.3
Bottom side	RMC	4182/836.4	1:1	0.277	-0.1	23.14	24.5	1.368	0.379	22.3
Hotspot Test Data at the worst case with Battery 2#										
Back side	RMC	4182/836.4	1:1	0.417	0.03	23.14	24.5	1.368	**0.570**	22.3
Ant2 Test data										
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted Power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp**
Head Test data										
Left cheek	RMC	4182/836.4	1:1	0.397	-0.08	18.97	20.5	1.422	0.565	22.3
Left tilted	RMC	4182/836.4	1:1	0.384	0.07	18.97	20.5	1.422	0.546	22.3
Right cheek	RMC	4182/836.4	1:1	0.403	-0.01	18.97	20.5	1.422	0.573	22.3
Right tilted	RMC	4182/836.4	1:1	0.394	-0.04	18.97	20.5	1.422	0.56	22.3
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	4182/836.4	1:1	0.411	0.03	18.97	20.5	1.422	**0.585**	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	4182/836.4	1:1	0.135	-0.05	22.99	24.5	1.416	**0.191**	22.3
Back side	RMC	4182/836.4	1:1	0.126	-0.09	22.99	24.5	1.416	0.178	22.3
Body worn Test Data at the worst case with Battery 2#										
Front side	RMC	4182/836.4	1:1	0.132	-0.14	22.99	24.5	1.416	0.187	22.3
Hotspot actived for WIFI Test data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.125	-0.16	19.98	21.5	1.419	**0.177**	22.3
Back side	RMC	4182/836.4	1:1	0.124	-0.05	19.98	21.5	1.419	0.176	22.3
Left side	RMC	4182/836.4	1:1	0.0789	0.03	19.98	21.5	1.419	0.112	22.3
Right side	RMC	4182/836.4	1:1	0.014	-0.05	19.98	21.5	1.419	0.020	22.3
Top side	RMC	4182/836.4	1:1	0.0929	0.11	19.98	21.5	1.419	0.132	22.3
Hotspot Test Data at the worst case with Battery 2#										
Front side	RMC	4182/836.4	1:1	0.124	-0.19	19.98	21.5	1.419	0.176	22.3

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Table 23： SAR of WCDMA Band V for Head and Body.

Note:

1) The maximum Scaled SAR value is marked in bold. Graph Results refer to Appendix B

2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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8.3.6 SAR Result Of LTE Band 2

Ant1 Test data											
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Head Test data(1RB_0 offset)											
Left cheek	20	QPSK	18700/1860	1:1	0.141	-0.01	22.96	23.6	1.159	**0.163**	22.3
Left tilted	20	QPSK	18700/1860	1:1	0.0619	0.09	22.96	23.6	1.159	0.072	22.3
Right cheek	20	QPSK	18700/1860	1:1	0.118	0.11	22.96	23.6	1.159	0.137	22.3
Right tilted	20	QPSK	18700/1860	1:1	0.0673	0.11	22.96	23.6	1.159	0.078	22.3
Head Test data(50%RB_0 offset)											
Left cheek	20	QPSK	18700/1860	1:1	0.106	0.14	21.87	22.6	1.183	0.125	22.3
Left tilted	20	QPSK	18700/1860	1:1	0.0464	-0.1	21.87	22.6	1.183	0.055	22.3
Right cheek	20	QPSK	18700/1860	1:1	0.0899	0.04	21.87	22.6	1.183	0.106	22.3
Right tilted	20	QPSK	18700/1860	1:1	0.0501	0.01	21.87	22.6	1.183	0.059	22.3
Head Test Data at the worst case with Battery 2#											
Left cheek	20	QPSK	18700/1860	1:1	0.125	0.12	22.96	23.6	1.159	0.145	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.427	-0.11	22.96	23.6	1.159	0.495	22.3
Back side	20	QPSK	18700/1860	1:1	0.449	0.07	22.96	23.6	1.159	**0.520**	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.324	-0.03	21.87	22.6	1.183	0.383	22.3
Back side	20	QPSK	18700/1860	1:1	0.341	0.06	21.87	22.6	1.183	0.403	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	20	QPSK	18700/1860	1:1	0.432	0.06	22.96	23.6	1.159	0.501	22.3
Hotspot Test data(Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.208	0.04	16.84	17.6	1.191	0.248	22.3
Back side	20	QPSK	18700/1860	1:1	0.218	0.17	16.84	17.6	1.191	0.260	22.3
Left side	20	QPSK	18700/1860	1:1	0.074	-0.18	16.84	17.6	1.191	0.088	22.3
Right side	20	QPSK	18700/1860	1:1	0.024	-0.06	16.84	17.6	1.191	0.029	22.3
Bottom side	20	QPSK	18700/1860	1:1	0.459	-0.04	16.84	17.6	1.191	0.547	22.3
Hotspot Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.209	0.05	16.8	17.6	1.202	0.251	22.3
Back side	20	QPSK	18700/1860	1:1	0.212	0.02	16.8	17.6	1.202	0.255	22.3
Left side	20	QPSK	18700/1860	1:1	0.075	0.12	16.8	17.6	1.202	0.090	22.3
Right side	20	QPSK	18700/1860	1:1	0.024	-0.01	16.8	17.6	1.202	0.029	22.3
Bottom side	20	QPSK	18700/1860	1:1	0.458	-0.01	16.8	17.6	1.202	**0.551**	22.3
Hotspot Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK	18700/1860	1:1	0.422	-0.04	16.8	17.6	1.202	0.507	22.3
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 10-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Limb Test data-sensor on(Separate 0mm 1RB_0 offset)											
Bottom side	20	QPSK	18700/1860	1:1	1.23	-0.04	19.98	20.6	1.153	**1.419**	22.3
Limb Test data-sensor on(Separate 0mm 50%RB_0 offset)											
Bottom side	20	QPSK	18700/1860	1:1	1.21	0.02	20.05	20.6	1.135	1.373	22.3
Limb Test data-sensor off(Separate 9mm 1RB_0 offset)											
Bottom side	20	QPSK	18700/1860	1:1	1.08	-0.05	22.96	23.6	1.159	1.251	22.3
Limb Test data-sensor off(Separate 9mm 50%RB_0 offset)											
Bottom side	20	QPSK	18700/1860	1:1	0.817	-0.04	21.87	22.6	1.183	0.967	22.3
Limb Test Data at the worst case with Battery 2#(Separate 0mm 1RB_0 offset)											

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Bottom side	20	QPSK	18700/1860	1:1	1.19	0.01	19.98	20.6	1.153	1.373	22.3
Ant2 Test data											
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Head Test data(1RB_0 offset)											
Left cheek	20	QPSK	18900/1880	1:1	0.253	-0.05	18.56	19.6	1.271	0.321	22.3
Left tilted	20	QPSK	18900/1880	1:1	0.372	0.02	18.56	19.6	1.271	0.473	22.3
Right cheek	20	QPSK	18900/1880	1:1	0.571	0.05	18.56	19.6	1.271	0.725	22.3
Right tilted	20	QPSK	18900/1880	1:1	0.569	0.06	18.56	19.6	1.271	0.723	22.3
Head Test data(50%RB_0 offset)											
Left cheek	20	QPSK	18900/1880	1:1	0.251	0.03	18.5	19.6	1.288	0.323	22.3
Left tilted	20	QPSK	18900/1880	1:1	0.359	-0.02	18.5	19.6	1.288	0.462	22.3
Right cheek	20	QPSK	18900/1880	1:1	0.548	0.11	18.5	19.6	1.288	0.706	22.3
Right tilted	20	QPSK	18900/1880	1:1	0.579	0.1	18.5	19.6	1.288	**0.746**	22.3
Head Test Data at the worst case with Battery 2#											
Right tilted	20	QPSK	18900/1880	1:1	0.565	0.08	18.5	19.6	1.288	0.728	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.118	0.05	22.17	23.1	1.239	0.146	22.3
Back side	20	QPSK	18700/1860	1:1	0.151	0.12	22.17	23.1	1.239	0.187	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.104	0.03	21.51	22.6	1.285	0.134	22.3
Back side	20	QPSK	18700/1860	1:1	0.133	0.07	21.51	22.6	1.285	0.171	22.3
Body worn Test data at the worst case with Battery 2#											
Back side	20	QPSK	19100/1900	1:1	0.161	0.02	22.17	23.1	1.239	**0.199**	22.3
Hotspot actived for WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.111	0.11	19.13	20.1	1.250	0.139	22.3
Back side	20	QPSK	18700/1860	1:1	0.119	0.04	19.13	20.1	1.250	0.149	22.3
Left side	20	QPSK	18700/1860	1:1	0.107	-0.11	19.13	20.1	1.250	0.134	22.3
Right side	20	QPSK	18700/1860	1:1	0.0224	0.03	19.13	20.1	1.250	0.028	22.3
Top side	20	QPSK	18700/1860	1:1	0.217	0.01	19.13	20.1	1.250	0.271	22.3
Hotspot actived for WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.112	0.01	19.02	20.1	1.282	0.144	22.3
Back side	20	QPSK	18700/1860	1:1	0.119	0.14	19.02	20.1	1.282	0.153	22.3
Left side	20	QPSK	18700/1860	1:1	0.106	0.07	19.02	20.1	1.282	0.136	22.3
Right side	20	QPSK	18700/1860	1:1	0.0224	0.04	19.02	20.1	1.282	0.029	22.3
Top side	20	QPSK	18700/1860	1:1	0.214	-0.02	19.02	20.1	1.282	0.274	22.3
Hotspot Test Data at the worst case with Battery 2#											
Top side	20	QPSK	18700/1860	1:1	0.228	-0.11	19.02	20.1	1.282	**0.292**	22.3

Table 24： SAR of LTE Band 2 for Head, Body and limb

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B

2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg (≤ 2.0 W/kg for 10g) then testing at the other channels is not required for such test configuration(s).

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8.3.1 SAR Result Of LTE Band 4

Ant1 Test data											
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Head Test data(1RB_99 offset)											
Left cheek	20	QPSK	20050/1720	1:1	0.0951	0.03	22.06	23	1.242	0.118	22.3
Left tilted	20	QPSK	20050/1720	1:1	0.0354	0.03	22.06	23	1.242	0.044	22.3
Right cheek	20	QPSK	20050/1720	1:1	0.0548	0.01	22.06	23	1.242	0.068	22.3
Right tilted	20	QPSK	20050/1720	1:1	0.0496	0.03	22.06	23	1.242	0.062	22.3
Head Test data(50%RB_25 offset)											
Left cheek	20	QPSK	20050/1720	1:1	0.0721	0.07	21.13	22	1.222	0.088	22.3
Left tilted	20	QPSK	20050/1720	1:1	0.0265	0.01	21.13	22	1.222	0.032	22.3
Right cheek	20	QPSK	20050/1720	1:1	0.0415	0.09	21.13	22	1.222	0.051	22.3
Right tilted	20	QPSK	20050/1720	1:1	0.0349	0.06	21.13	22	1.222	0.043	22.3
Head Test Data at the worst case with Battery 2#											
Left cheek	20	QPSK	20050/1720	1:1	0.113	0.05	22.06	23	1.242	**0.140**	22.3
Body worn Test data(Separate 15mm 1RB_99 offset)											
Front side	20	QPSK	20050/1720	1:1	0.236	0.05	22.06	23	1.242	0.293	22.3
Back side	20	QPSK	20050/1720	1:1	0.214	0.04	22.06	23	1.242	0.266	22.3
Body worn Test data (Separate 15mm 50%RB_25 offset)											
Front side	20	QPSK	20050/1720	1:1	0.181	0.06	21.13	22	1.222	0.221	22.3
Back side	20	QPSK	20050/1720	1:1	0.16	0.01	21.13	22	1.222	0.195	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	20	QPSK	20050/1720	1:1	0.328	-0.01	22.06	23	1.242	**0.407**	22.3
Hotspot Test data (Separate 10mm 1RB_99 offset)											
Front side	20	QPSK	20050/1720	1:1	0.239	0.08	19.18	20	1.208	0.289	22.3
Back side	20	QPSK	20050/1720	1:1	0.22	0.06	19.18	20	1.208	0.266	22.3
Left side	20	QPSK	20050/1720	1:1	0.0982	0.02	19.18	20	1.208	0.119	22.3
Right side	20	QPSK	20050/1720	1:1	0.02	-0.06	19.18	20	1.208	0.024	22.3
Bottom side	20	QPSK	20050/1720	1:1	0.39	-0.09	19.18	20	1.208	0.471	22.3
Hotspot Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.215	0.02	19.17	20	1.211	0.26	22.3
Back side	20	QPSK	20050/1720	1:1	0.185	0.04	19.17	20	1.211	0.224	22.3
Left side	20	QPSK	20050/1720	1:1	0.0822	-0.03	19.17	20	1.211	0.1	22.3
Right side	20	QPSK	20050/1720	1:1	0.023	-0.08	19.17	20	1.211	0.028	22.3
Bottom side	20	QPSK	20050/1720	1:1	0.334	-0.1	19.17	20	1.211	0.404	22.3
Hotspot Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK	20050/1720	1:1	0.507	0.06	19.18	20	1.208	**0.612**	22.3
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 10-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Limbs Test data with sensor on(Separate 0mm 1RB_99 offset)											
Bottom side	20	QPSK	20175/1732.5	1:1	1.1	-0.1	19.70	20.5	1.202	1.322	22.3
Limbs Test data with sensor on(Separate 0mm 50%RB_0 offset)											
Bottom side	20	QPSK	20175/1732.5	1:1	1.12	-0.1	19.72	20.5	1.197	1.340	22.3
Limbs Test data with sensor off(Separate 9mm 1RB_99 offset)											
Bottom side	20	QPSK	20050/1720	1:1	0.592	-0.04	22.06	23	1.242	0.735	22.3
Limbs Test data with sensor off(Separate 9mm 50%RB_25 offset)											
Bottom side	20	QPSK	20050/1720	1:1	0.804	-0.09	21.13	22	1.222	0.982	22.3
Limb Test Data at the worst case with Battery 2#(Limbs Test data with sensor on(Separate 0mm 50%RB_0 offset))											

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Bottom side	20	QPSK	20175/1732.5	1:1	1.33	-0.15	19.72	20.5	1.197	**1.592**	22.3
Ant2 Test data											
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Head Test data(1RB_99 offset)											
Left cheek	20	QPSK	20050/1720	1:1	0.23	0.07	18.78	20	1.324	0.305	22.3
Left tilted	20	QPSK	20050/1720	1:1	0.316	0.04	18.78	20	1.324	0.418	22.3
Right cheek	20	QPSK	20050/1720	1:1	0.453	0.07	17.88	19	1.294	0.586	22.3
Right tilted	20	QPSK	20050/1720	1:1	0.433	0.05	17.88	19	1.294	0.560	22.3
Head Test data(50%RB_0 offset)											
Left cheek	20	QPSK	20050/1720	1:1	0.226	0.11	18.84	20	1.306	0.295	22.3
Left tilted	20	QPSK	20050/1720	1:1	0.316	0.05	18.84	20	1.306	0.413	22.3
Right cheek	20	QPSK	20050/1720	1:1	0.456	0.17	17.85	19	1.303	**0.594**	22.3
Right tilted	20	QPSK	20050/1720	1:1	0.426	0.03	17.85	19	1.303	0.555	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	20	QPSK	20050/1720	1:1	0.42	0.07	17.85	19	1.303	0.547	22.3
Body worn Test data(Separate 15mm 1RB_99 offset)											
Front side	20	QPSK	20175/1732.5	1:1	0.126	-0.04	21.90	23	1.288	0.162	22.3
Back side	20	QPSK	20175/1732.5	1:1	0.169	0.05	21.90	23	1.288	**0.218**	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	20175/1732.5	1:1	0.109	0.04	20.86	22	1.300	0.142	22.3
Back side	20	QPSK	20175/1732.5	1:1	0.137	-0.02	20.86	22	1.300	0.178	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	20	QPSK	20175/1732.5	1:1	0.161	0.13	21.90	23	1.288	0.207	22.3
Hotspot actived for WIFI Test data(Separate 10mm 1RB_99 offset)											
Front side	20	QPSK	20175/1732.5	1:1	0.102	-0.06	18.81	20	1.315	0.134	22.3
Back side	20	QPSK	20175/1732.5	1:1	0.144	-0.05	18.81	20	1.315	0.189	22.3
Left side	20	QPSK	20175/1732.5	1:1	0.154	0.08	18.81	20	1.315	0.203	22.3
Right side	20	QPSK	20175/1732.5	1:1	0.0168	0.16	18.81	20	1.315	0.022	22.3
Top side	20	QPSK	20175/1732.5	1:1	0.148	0.08	18.81	20	1.315	0.195	22.3
Hotspot actived for WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	20175/1732.5	1:1	0.0992	-0.03	18.83	20	1.309	0.130	22.3
Back side	20	QPSK	20175/1732.5	1:1	0.147	-0.08	18.83	20	1.309	0.192	22.3
Left side	20	QPSK	20175/1732.5	1:1	0.156	-0.02	18.83	20	1.309	0.204	22.3
Right side	20	QPSK	20175/1732.5	1:1	0.0167	-0.02	18.83	20	1.309	0.022	22.3
Top side	20	QPSK	20175/1732.5	1:1	0.157	-0.08	18.83	20	1.309	**0.206**	22.3
Hotspot Test Data at the worst case with Battery 2#											
Top side	20	QPSK	20175/1732.5	1:1	0.155	-0.18	18.83	20	1.309	0.203	22.3

Table 25： SAR of LTE Band 4 for Head, Body and Limb

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B

2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg (≤ 2.0 W/kg for 10g) then testing at the other channels is not required for such test configuration(s).

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8.3.2 SAR Result Of LTE Band 5

Ant1 Test data											
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Head Test data(1RB_0 offset)											
Left cheek	10	QPSK	20525/836.5	1:1	0.102	-0.16	22.66	24	1.361	0.139	22.3
Left tilted	10	QPSK	20525/836.5	1:1	0.0753	0.02	22.66	24	1.361	0.103	22.3
Right cheek	10	QPSK	20525/836.5	1:1	0.174	0.18	22.66	24	1.361	0.237	22.3
Right tilted	10	QPSK	20525/836.5	1:1	0.0752	0.16	22.66	24	1.361	0.102	22.3
Head Test data(50%RB_0 offset)											
Left cheek	10	QPSK	20525/836.5	1:1	0.0809	0.03	21.68	23	1.355	0.110	22.3
Left tilted	10	QPSK	20525/836.5	1:1	0.0539	0.17	21.68	23	1.355	0.073	22.3
Right cheek	10	QPSK	20525/836.5	1:1	0.137	0.09	21.68	23	1.355	0.186	22.3
Right tilted	10	QPSK	20525/836.5	1:1	0.0575	0.06	21.68	23	1.355	0.078	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK	20525/836.5	1:1	0.192	-0.01	22.66	24	1.361	**0.261**	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	10	QPSK	20525/836.5	1:1	0.228	-0.12	22.66	24	1.361	0.310	22.3
Back side	10	QPSK	20525/836.5	1:1	0.249	0.17	22.66	24	1.361	0.339	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	10	QPSK	20525/836.5	1:1	0.181	-0.09	21.68	23	1.355	0.245	22.3
Back side	10	QPSK	20525/836.5	1:1	0.201	0.1	21.68	23	1.355	0.272	22.3
Body worn Test data at the worst case with Battery 2#											
Back side	10	QPSK	20525/836.5	1:1	0.273	0.01	22.66	24	1.361	**0.372**	22.3
Hotspot Test data(Separate 10mm 1RB_0 offset)											
Front side	10	QPSK	20525/836.5	1:1	0.34	-0.12	22.66	24	1.361	0.463	22.3
Back side	10	QPSK	20525/836.5	1:1	0.401	0.05	22.66	24	1.361	**0.546**	22.3
Left side	10	QPSK	20525/836.5	1:1	0.0676	-0.12	22.66	24	1.361	0.092	22.3
Right side	10	QPSK	20525/836.5	1:1	0.264	-0.04	22.66	24	1.361	0.359	22.3
Bottom side	10	QPSK	20525/836.5	1:1	0.279	0.11	22.66	24	1.361	0.380	22.3
Hotspot Test data (Separate 10mm 50%RB_0 offset)											
Front side	10	QPSK	20525/836.5	1:1	0.27	-0.17	21.68	23	1.355	0.366	22.3
Back side	10	QPSK	20525/836.5	1:1	0.312	0.08	21.68	23	1.355	0.423	22.3
Left side	10	QPSK	20525/836.5	1:1	0.0527	-0.04	21.68	23	1.355	0.071	22.3
Right side	10	QPSK	20525/836.5	1:1	0.208	-0.08	21.68	23	1.355	0.282	22.3
Bottom side	10	QPSK	20525/836.5	1:1	0.229	0.05	21.68	23	1.355	0.310	22.3
Hotspot Test data at the worst case with Battery 2#											
Back side	10	QPSK	20525/836.5	1:1	0.396	-0.03	22.66	24	1.361	0.539	22.3
Ant2 Test data											
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Head Test data(1RB_0 offset offset)											
Left cheek	10	QPSK	20600/844	1:1	0.417	0.03	18.97	20.5	1.422	0.593	22.3
Left tilted	10	QPSK	20600/844	1:1	0.388	-0.05	18.97	20.5	1.422	0.552	22.3
Right cheek	10	QPSK	20600/844	1:1	0.428	0.17	18.97	20.5	1.422	0.609	22.3
Right tilted	10	QPSK	20600/844	1:1	0.401	0.15	18.97	20.5	1.422	0.57	22.3
Head Test data(50%RB_13 offset)											
Left cheek	10	QPSK	20600/844	1:1	0.444	-0.01	18.93	20.5	1.435	0.637	22.3
Left tilted	10	QPSK	20600/844	1:1	0.421	0.05	18.93	20.5	1.435	0.604	22.3

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Right cheek	10	QPSK	20600/844	1:1	0.449	0.13	18.93	20.5	1.435	0.645	22.3
Right tilted	10	QPSK	20600/844	1:1	0.426	0	18.93	20.5	1.435	0.612	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK	20600/844	1:1	0.456	0.09	18.93	20.5	1.435	**0.655**	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	10	QPSK	20525/836.5	1:1	0.103	0.12	22.63	24	1.371	0.141	22.3
Back side	10	QPSK	20525/836.5	1:1	0.108	0.11	22.63	24	1.371	**0.148**	22.3
Body worn Test data (Separate 15mm 50%RB_ offset)											
Front side	10	QPSK	20525/836.5	1:1	0.0865	0.14	21.56	23	1.393	0.121	22.3
Back side	10	QPSK	20525/836.5	1:1	0.0888	-0.05	21.56	23	1.393	0.124	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	10	QPSK	20525/836.5	1:1	0.106	-0.08	22.63	24	1.371	0.145	22.3
Hotspot actived for WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	10	QPSK	20525/836.5	1:1	0.101	-0.09	19.59	21	1.384	0.14	22.3
Back side	10	QPSK	20525/836.5	1:1	0.101	-0.02	19.59	21	1.384	0.14	22.3
Left side	10	QPSK	20525/836.5	1:1	0.0399	0.02	19.59	21	1.384	0.055	22.3
Right side	10	QPSK	20525/836.5	1:1	0.00706	0.16	19.59	21	1.384	0.01	22.3
Top side	10	QPSK	20525/836.5	1:1	0.0847	0	19.59	21	1.384	0.117	22.3
Hotspot actived for WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	10	QPSK	20525/836.5	1:1	0.104	-0.03	19.57	21	1.390	0.145	22.3
Back side	10	QPSK	20525/836.5	1:1	0.104	-0.07	19.57	21	1.390	**0.145**	22.3
Left side	10	QPSK	20525/836.5	1:1	0.0417	0.13	19.57	21	1.390	0.058	22.3
Right side	10	QPSK	20525/836.5	1:1	0.00684	-0.06	19.57	21	1.390	0.01	22.3
Top side	10	QPSK	20525/836.5	1:1	0.089	0.05	19.57	21	1.390	0.124	22.3
Hotspot Test Data at the worst case with Battery 2#											
Back side	10	QPSK	20525/836.5	1:1	0.102	-0.05	19.57	21	1.390	0.142	22.3
Ant2 Additional Test data(simultaneous transmission with 2.4G WIFI)											
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Left tilted	10	QPSK	20600/844	1:1	0.207	0.18	15.91	17.5	1.442	0.299	22.3

Table 26： SAR of LTE Band 5 for Head and Body.

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B

2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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8.3.3 SAR Result Of LTE Band 12

Ant1 Test data											
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Head Test data(1RB_49 offset)											
Left cheek	10	QPSK	23095/707.5	1:1	0.067	-0.15	22.5	23.5	1.259	0.084	22.3
Left tilted	10	QPSK	23095/707.5	1:1	0.0564	0.04	22.5	23.5	1.259	0.071	22.3
Right cheek	10	QPSK	23095/707.5	1:1	0.089	-0.1	22.5	23.5	1.259	**0.112**	22.3
Right tilted	10	QPSK	23095/707.5	1:1	0.0471	0.05	22.5	23.5	1.259	0.059	22.3
Head Test data(50%RB_25 offset)											
Left cheek	10	QPSK	23095/707.5	1:1	0.054	0.06	21.36	22.5	1.300	0.070	22.3
Left tilted	10	QPSK	23095/707.5	1:1	0.0441	0.08	21.36	22.5	1.300	0.057	22.3
Right cheek	10	QPSK	23095/707.5	1:1	0.0707	0.03	21.36	22.5	1.300	0.092	22.3
Right tilted	10	QPSK	23095/707.5	1:1	0.0377	0.19	21.36	22.5	1.300	0.049	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK	23095/707.5	1:1	0.088	-0.11	22.5	23.5	1.259	0.111	22.3
Body worn Test data(Separate 15mm 1RB_49 offset)											
Front side	10	QPSK	23095/707.5	1:1	0.158	0.11	22.5	23.5	1.259	0.199	22.3
Back side	10	QPSK	23095/707.5	1:1	0.182	0.12	22.5	23.5	1.259	**0.229**	22.3
Body worn Test data (Separate 15mm 25%RB_25 offset)											
Front side	10	QPSK	23095/707.5	1:1	0.126	0.01	21.36	22.5	1.300	0.164	22.3
Back side	10	QPSK	23095/707.5	1:1	0.142	-0.02	21.36	22.5	1.300	0.185	22.3
Body worn Data at the worst case with Battery 2#											
Back side	10	QPSK	23095/707.5	1:1	0.173	0.01	22.5	23.5	1.259	0.218	22.3
Hotspot Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23095/707.5	1:1	0.225	0.07	22.5	23.5	1.259	0.283	22.3
Back side	10	QPSK	23095/707.5	1:1	0.243	0.05	22.5	23.5	1.259	**0.306**	22.3
Left side	10	QPSK	23095/707.5	1:1	0.071	0.07	22.5	23.5	1.259	0.089	22.3
Right side	10	QPSK	23095/707.5	1:1	0.243	-0.12	22.5	23.5	1.259	0.306	22.3
Bottom side	10	QPSK	23095/707.5	1:1	0.149	-0.02	22.5	23.5	1.259	0.188	22.3
Hotspot Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23095/707.5	1:1	0.176	-0.03	21.36	22.5	1.300	0.229	22.3
Back side	10	QPSK	23095/707.5	1:1	0.192	0.05	21.36	22.5	1.300	0.250	22.3
Left side	10	QPSK	23095/707.5	1:1	0.06	0.04	21.36	22.5	1.300	0.078	22.3
Right side	10	QPSK	23095/707.5	1:1	0.201	0.04	21.36	22.5	1.300	0.261	22.3
Bottom side	10	QPSK	23095/707.5	1:1	0.117	-0.02	21.36	22.5	1.300	0.152	22.3
Hotspot Test Data at the worst case with Battery 2#											
Back side	10	QPSK	23095/707.5	1:1	0.231	0	22.5	23.5	1.259	0.291	22.3
Ant2 Test data											
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**

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Head Test data(1RB_49 offset)											
Left cheek	10	QPSK	23130/711	1:1	0.514	-0.12	21.13	22	1.222	0.628	22.3
Left tilted	10	QPSK	23130/711	1:1	0.499	0.1	21.13	22	1.222	0.610	22.3
Right cheek	10	QPSK	23130/711	1:1	0.583	-0.14	21.13	22	1.222	**0.712**	22.3
Right tilted	10	QPSK	23130/711	1:1	0.503	0.03	21.13	22	1.222	0.615	22.3
Head Test data(50%RBB_25 offset)											
Left cheek	10	QPSK	23130/711	1:1	0.504	0.01	21.09	22	1.233	0.621	22.3
Left tilted	10	QPSK	23130/711	1:1	0.484	0.01	21.09	22	1.233	0.597	22.3
Right cheek	10	QPSK	23130/711	1:1	0.507	0.06	21.09	22	1.233	0.625	22.3
Right tilted	10	QPSK	23130/711	1:1	0.487	0.08	21.09	22	1.233	0.601	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK	23130/711	1:1	0.54	0.01	21.13	22	1.222	0.660	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	10	QPSK	23095/707.5	1:1	0.08	0.19	21.96	23	1.271	**0.102**	22.3
Back side	10	QPSK	23095/707.5	1:1	0.066	0.06	21.96	23	1.271	0.084	22.3
Body worn Test data (Separate 15mm 50%RB_13 offset)											
Front side	10	QPSK	23095/707.5	1:1	0.072	0.16	21.08	22	1.236	0.089	22.3
Back side	10	QPSK	23095/707.5	1:1	0.059	-0.11	21.08	22	1.236	0.073	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	10	QPSK	23095/707.5	1:1	0.0666	-0.12	21.96	23	1.271	0.085	22.3
Hotspot actived for WIFI Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23130/711	1:1	0.122	0.13	19.14	20	1.219	**0.149**	22.3
Back side	10	QPSK	23130/711	1:1	0.109	-0.02	19.14	20	1.219	0.133	22.3
Left side	10	QPSK	23130/711	1:1	0.0451	0.02	19.14	20	1.219	0.055	22.3
Right side	10	QPSK	23130/711	1:1	0.01	0.02	19.14	20	1.219	0.012	22.3
Top side	10	QPSK	23130/711	1:1	0.0889	-0.11	19.14	20	1.219	0.108	22.3
Hotspot actived for WIFI Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23130/711	1:1	0.109	0.01	19.11	20	1.227	0.134	22.3
Back side	10	QPSK	23130/711	1:1	0.0996	0.08	19.11	20	1.227	0.122	22.3
Left side	10	QPSK	23130/711	1:1	0.044	0.09	19.11	20	1.227	0.054	22.3
Right side	10	QPSK	23130/711	1:1	0.00884	0.06	19.11	20	1.227	0.011	22.3
Top side	10	QPSK	23130/711	1:1	0.0861	0.15	19.11	20	1.227	0.106	22.3
Hotspot Test Data at the worst case with Battery 2#											
Front side	10	QPSK	23130/711	1:1	0.118	0.13	19.14	20	1.219	0.144	22.3
Ant2 Additional Test data(simultaneous transmission with 2.4G WIFI)											
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Left tilted	10	QPSK	23130/711	1:1	0.252	0.05	17.95	19	1.274	0.321	22.3

Table 27： SAR of LTE Band 12 for Head and Body.

Note:

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1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B

2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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8.3.4 SAR Result Of LTE Band 17

Ant1 Test data											
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Head Test data(1RB_49 offset)											
Left cheek	10	QPSK	23800/711	1:1	0.0677	0.06	22.35	23.5	1.303	0.088	22.3
Left tilted	10	QPSK	23800/711	1:1	0.056	0.02	22.35	23.5	1.303	0.073	22.3
Right cheek	10	QPSK	23800/711	1:1	0.087	0.04	22.35	23.5	1.303	0.113	22.3
Right tilted	10	QPSK	23800/711	1:1	0.045	0.16	22.35	23.5	1.303	0.059	22.3
Head Test data(50%RB_25 offset)											
Left cheek	10	QPSK	23800/711	1:1	0.054	0.04	21.33	22.5	1.309	0.071	22.3
Left tilted	10	QPSK	23800/711	1:1	0.045	0.15	21.33	22.5	1.309	0.059	22.3
Right cheek	10	QPSK	23800/711	1:1	0.0722	0.08	21.33	22.5	1.309	0.095	22.3
Right tilted	10	QPSK	23800/711	1:1	0.0377	0.09	21.33	22.5	1.309	0.049	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK	23800/711	1:1	0.088	0.03	22.35	23.5	1.303	**0.115**	22.3
Body worn Test data(Separate 15mm 1RB_49 offset)											
Front side	10	QPSK	23800/711	1:1	0.157	0.02	22.35	23.5	1.303	0.205	22.3
Back side	10	QPSK	23800/711	1:1	0.172	-0.12	22.35	23.5	1.303	0.224	22.3
Body worn Test data (Separate 15mm 25%RB_25 offset)											
Front side	10	QPSK	23800/711	1:1	0.126	-0.06	21.33	22.5	1.309	0.165	22.3
Back side	10	QPSK	23800/711	1:1	0.142	0.03	21.33	22.5	1.309	0.186	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	10	QPSK	23800/711	1:1	0.177	0.04	22.35	23.5	1.303	**0.231**	22.3
Hotspot Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23800/711	1:1	0.232	0.08	22.35	23.5	1.303	0.302	22.3
Back side	10	QPSK	23800/711	1:1	0.246	0.07	22.35	23.5	1.303	**0.321**	22.3
Left side	10	QPSK	23800/711	1:1	0.065	0.04	22.35	23.5	1.303	0.085	22.3
Right side	10	QPSK	23800/711	1:1	0.241	0.01	22.35	23.5	1.303	0.314	22.3
Bottom side	10	QPSK	23800/711	1:1	0.145	0	22.35	23.5	1.303	0.189	22.3
Hotspot Test data (Separate 10mm 25%RB_25 offset)											
Front side	10	QPSK	23800/711	1:1	0.184	-0.02	21.33	22.5	1.309	0.241	22.3
Back side	10	QPSK	23800/711	1:1	0.203	0.1	21.33	22.5	1.309	0.266	22.3
Left side	10	QPSK	23800/711	1:1	0.058	0.07	21.33	22.5	1.309	0.076	22.3
Right side	10	QPSK	23800/711	1:1	0.199	0.01	21.33	22.5	1.309	0.261	22.3
Bottom side	10	QPSK	23800/711	1:1	0.12	0.07	21.33	22.5	1.309	0.157	22.3
Hotspot Test Data at the worst case with Battery 2#											
Back side	10	QPSK	23800/711	1:1	0.231	0.03	22.35	23.5	1.303	0.301	22.3
Ant2 Test data											
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Head Test data(1RB_49 offset)											

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Left cheek	10	QPSK	23780/709	1:1	0.522	0.08	21.16	22	1.213	0.633	22.3
Left tilted	10	QPSK	23780/709	1:1	0.486	0.13	21.16	22	1.213	0.590	22.3
Right cheek	10	QPSK	23780/709	1:1	0.549	0.03	21.16	22	1.213	**0.666**	22.3
Right tilted	10	QPSK	23780/709	1:1	0.45	-0.06	21.16	22	1.213	0.546	22.3
Head Test data(50%RB_25 offset)											
Left cheek	10	QPSK	23780/709	1:1	0.491	0.09	20.99	22	1.262	0.620	22.3
Left tilted	10	QPSK	23780/709	1:1	0.461	-0.01	20.99	22	1.262	0.582	22.3
Right cheek	10	QPSK	23780/709	1:1	0.523	0.03	20.99	22	1.262	0.660	22.3
Right tilted	10	QPSK	23780/709	1:1	0.48	-0.07	20.99	22	1.262	0.606	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK	23780/709	1:1	0.512	-0.14	21.16	22	1.213	0.621	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	10	QPSK	23780/709	1:1	0.081	-0.07	21.98	23	1.265	**0.102**	22.3
Back side	10	QPSK	23780/709	1:1	0.067	0.14	21.98	23	1.265	0.085	22.3
Body worn Test data (Separate 15mm 50%RB_25 offset)											
Front side	10	QPSK	23780/709	1:1	0.0775	-0.07	21.11	22	1.227	0.095	22.3
Back side	10	QPSK	23780/709	1:1	0.067	0.03	21.11	22	1.227	0.082	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	10	QPSK	23780/709	1:1	0.0717	0.06	21.98	23	1.265	0.091	22.3
Hotspot actived for WIFI Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23780/709	1:1	0.116	0.01	19.04	20	1.247	**0.145**	22.3
Back side	10	QPSK	23780/709	1:1	0.1	0.03	19.04	20	1.247	0.125	22.3
Left side	10	QPSK	23780/709	1:1	0.043	0	19.04	20	1.247	0.054	22.3
Right side	10	QPSK	23780/709	1:1	0.00807	-0.12	19.04	20	1.247	0.010	22.3
Top side	10	QPSK	23780/709	1:1	0.0849	-0.02	19.04	20	1.247	0.106	22.3
Hotspot actived for WIFI Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23780/709	1:1	0.109	0.04	19.08	20	1.236	0.135	22.3
Back side	10	QPSK	23780/709	1:1	0.0931	0.06	19.08	20	1.236	0.115	22.3
Left side	10	QPSK	23780/709	1:1	0.0406	-0.09	19.08	20	1.236	0.050	22.3
Right side	10	QPSK	23780/709	1:1	0.00723	0.07	19.08	20	1.236	0.009	22.3
Top side	10	QPSK	23780/709	1:1	0.0809	0.02	19.08	20	1.236	0.100	22.3
Hotspot Test Data at the worst case with Battery 2#											
Front side	10	QPSK	23780/709	1:1	0.108	0.02	19.04	20	1.247	0.135	22.3
Ant2 Additional Test data(simultaneous transmission with 2.4G WIFI)											
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg) 1-g**	**Power Drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Left tilted	10	QPSK	23780/709	1:1	0.236	0.12	17.92	19	1.282	0.303	22.3

Table 28： SAR of LTE Band 12 for Head and Body.

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B

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2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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8.3.5 SAR Result Of 2.4GHz WIFI

WiFi 1 Test data											
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**Duty Cycle Scaled factor**	**SAR (W/kg) 1-g**	**Power drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Head Test data											
Left cheek	802.11b	6/2437	98.81%	1.012	0.265	-0.03	14.02	14.5	1.117	0.3	22
Left tilted	802.11b	6/2437	98.81%	1.012	0.273	0.11	14.02	14.5	1.117	0.309	22
Right cheek	802.11b	6/2437	98.81%	1.012	0.138	-0.08	14.02	14.5	1.117	0.156	22
Right tilted	802.11b	6/2437	98.81%	1.012	0.2	0.1	14.02	14.5	1.117	0.226	22
Head Test Data at the worst case with Battery 2#											
Left tilted	802.11b	6/2437	98.81%	1.012	0.39	0.14	14.02	14.5	1.117	**0.441**	22
Body worn Test data(Separate 15mm)											
Front side	802.11b	6/2437	98.81%	1.012	0.043	0.09	17.75	18.5	1.189	0.052	22
Back side	802.11b	6/2437	98.81%	1.012	0.055	-0.04	17.75	18.5	1.189	0.066	22
Body worn Test Data at the worst case with Battery 2#											
Back side	802.11b	6/2437	98.81%	1.012	0.063	0.03	17.75	18.5	1.189	**0.075**	22.3
Hotspot Test data (Separate 10mm)											
Front side	802.11b	6/2437	98.81%	1.012	0.074	0.07	17.75	18.5	1.189	0.089	22
Back side	802.11b	6/2437	98.81%	1.012	0.112	0.01	17.75	18.5	1.189	0.135	22
Right side	802.11b	6/2437	98.81%	1.012	0.064	-0.04	17.75	18.5	1.189	0.077	22
Top side	802.11b	6/2437	98.81%	1.012	0.195	-0.04	17.75	18.5	1.189	0.235	22
Hotspot Test Data at the worst case with Battery 2#											
Top side	802.11b	6/2437	98.81%	1.012	0.239	-0.04	17.75	18.5	1.189	**0.284**	22.3
WiFi 2 Test data											
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**Duty Cycle Scaled factor**	**SAR (W/kg) 1-g**	**Power drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Head Test data											
Left cheek	802.11b	6/2437	98.76%	1.013	0.071	0.09	11.66	13	1.361	0.098	22
Left tilted	802.11b	6/2437	98.76%	1.013	0.0861	0.05	11.66	13	1.361	0.119	22
Right cheek	802.11b	6/2437	98.76%	1.013	0.194	0.07	11.66	13	1.361	0.268	22
Right tilted	802.11b	6/2437	98.76%	1.013	0.229	0.01	11.66	13	1.361	0.316	22
Head Test Data at the worst case with Battery 2#											

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Right tilted	802.11b	6/2437	98.76%	1.013	0.279	0.05	11.66	13	1.361	**0.380**	22.3
Body worn Test data(Separate 15mm)											
Front side	802.11b	6/2437	98.76%	1.013	0.03	0.15	14.71	16.5	1.510	0.046	22
Back side	802.11b	6/2437	98.76%	1.013	0.07	0.05	14.71	16.5	1.510	**0.107**	22
Body worn Test Data at the worst case with Battery 2#											
Back side	802.11b	6/2437	98.76%	1.013	0.0316	0.08	14.71	16.5	1.510	0.048	22.3
Hotspot Test data (Separate 10mm)											
Front side	802.11b	6/2437	98.76%	1.013	0.0701	0.08	14.71	16.5	1.510	0.107	22
Back side	802.11b	6/2437	98.76%	1.013	0.075	-0.08	14.71	16.5	1.510	0.115	22
Left side	802.11b	6/2437	98.76%	1.013	0.051	-0.01	14.71	16.5	1.510	0.078	22
Top side	802.11b	6/2437	98.76%	1.013	0.079	-0.02	14.71	16.5	1.510	**0.121**	22
Hotspot Test Data at the worst case with Battery 2#											
Top side	802.11b	6/2437	98.76%	1.013	0.0769	0.07	14.71	16.5	1.510	0.116	22.3

Table 29： SAR of 2.4GHz WIFI for Head and Body

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B

2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

3) Each channel was tested at the lowest data rate.

4) 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, 802.11g/n OFDM SAR Test is not required.

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8.3.6 SAR Result Of 5GHz WIFI

WiFi 1 Test data											
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**Duty Cycle Scaled factor**	**SAR (W/kg) 1-g**	**Power drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Head Test data U-NII-2A											
Left cheek	802.11ac 80M	58/5290	91.43%	1.094	0.176	0.08	8.37	9.5	1.297	0.250	22
Left tilted	802.11ac 80M	58/5290	91.43%	1.094	0.203	0.08	8.37	9.5	1.297	0.288	22
Right cheek	802.11ac 80M	58/5290	91.43%	1.094	0.0807	0.08	8.37	9.5	1.297	0.115	22
Right tilted	802.11ac 80M	58/5290	91.43%	1.094	0.146	-0.08	8.37	9.5	1.297	0.207	22
Head Test data U-NII-2C											
Left cheek	802.11ac 80M	106/5530	91.43%	1.094	0.311	0.09	8.25	9.5	1.334	0.454	22
Left tilted	802.11ac 80M	106/5530	91.43%	1.094	0.398	0.06	8.25	9.5	1.334	**0.581**	22
Right cheek	802.11ac 80M	106/5530	91.43%	1.094	0.152	0.01	8.25	9.5	1.334	0.222	22
Right tilted	802.11ac 80M	106/5530	91.43%	1.094	0.19	0.08	8.25	9.5	1.334	0.277	22
Head Test data U-NII-3											
Left cheek	802.11ac 80M	155/5775	91.43%	1.094	0.152	0.06	8.22	9.5	1.343	0.223	22
Left tilted	802.11ac 80M	155/5775	91.43%	1.094	0.205	0.06	8.22	9.5	1.343	0.301	22
Right cheek	802.11ac 80M	155/5775	91.43%	1.094	0.090	0.01	8.22	9.5	1.343	0.132	22
Right tilted	802.11ac 80M	155/5775	91.43%	1.094	0.0946	0.14	8.22	9.5	1.343	0.139	22
Head Test Data at the worst case with Battery 2#											
Left tilted	802.11ac 80M	106/5530	91.43%	1.094	0.358	-0.05	8.25	9.5	1.334	0.477	22
Body worn Test data U-NII-2A(Separate 15mm)											
Front side	802.11a	56/5280	93.12%	1.074	0.0328	0.01	15.23	16	1.194	0.042	22
Back side	802.11a	56/5280	93.12%	1.074	0.0714	0.03	15.23	16	1.194	0.092	22
Body worn Test data U-NII-2C(Separate 15mm)											
Front side	802.11a	136/5680	93.12%	1.074	0.0472	0.01	15.39	16	1.151	0.058	22
Back side	802.11a	136/5680	93.12%	1.074	0.102	0.02	15.39	16	1.151	**0.126**	22
Body worn Test data U-NII-3(Separate 15mm)											
Front side	802.11a	153/5765	93.12%	1.074	0.0359	-0.03	15.58	16	1.102	0.042	22
Back side	802.11a	153/5765	93.12%	1.074	0.067	0.03	15.58	16	1.102	0.079	22
Body worn Data at the worst case with Battery 2#											

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Back side	802.11a	136/5680	93.12%	1.074	0.102	0.03	15.39	16	1.151	**0.126**	22
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**Duty Cycle Scaled factor**	**SAR (W/kg) 10-g**	**Power drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
product specific 10gSAR Test data U-NII-2A(Separate 0mm)											
Front side	802.11a	56/5280	93.12%	1.074	0.703	0.03	15.23	16	1.194	0.901	22
Back side	802.11a	56/5280	93.12%	1.074	0.246	0.06	15.23	16	1.194	0.315	22
Top side	802.11a	56/5280	93.12%	1.074	0.898	-0.05	15.23	16	1.194	**1.152**	22
Right side	802.11a	56/5280	93.12%	1.074	0.0638	0.01	15.23	16	1.194	0.082	22
product specific 10gSAR Test data U-NII-2C(Separate 0mm)											
Front side	802.11a	136/5680	93.12%	1.074	0.826	0.02	15.39	16	1.151	1.021	22
Back side	802.11a	136/5680	93.12%	1.074	0.324	0.06	15.39	16	1.151	0.4	22
Top side	802.11a	136/5680	93.12%	1.074	0.660	-0.06	15.39	16	1.151	0.816	22
Right side	802.11a	136/5680	93.12%	1.074	0.118	-0.01	15.39	16	1.151	0.146	22
product specific 10gSAR Test data U-NII-3(Separate 0mm)											
Front side	802.11a	153/5765	93.12%	1.074	0.662	0.07	15.58	16	1.102	0.783	22
Back side	802.11a	153/5765	93.12%	1.074	0.232	-0.07	15.58	16	1.102	0.274	22
Top side	802.11a	153/5765	93.12%	1.074	0.522	-0.06	15.58	16	1.102	0.618	22
Right side	802.11a	153/5765	93.12%	1.074	0.083	0.03	15.58	16	1.102	0.098	22
product specific 10gSAR Test Data at the worst case with Battery 2#											
Top side	802.11a	56/5280	93.12%	1.074	0.943	-0.09	15.23	16	1.194	**1.209**	22
WiFi 2 Test data											
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**Duty Cycle Scaled factor**	**SAR (W/kg) 1-g**	**Power drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Head Test data U-NII-2A											
Left cheek	802.11a	56/5280	93.04%	1.075	0.133	0.06	10.87	12	1.297	0.185	22
Left tilted	802.11a	56/5280	93.04%	1.075	0.137	0.05	10.87	12	1.297	0.191	22
Right cheek	802.11a	56/5280	93.04%	1.075	0.222	-0.04	10.87	12	1.297	0.310	22
Right tilted	802.11a	56/5280	93.04%	1.075	0.221	-0.06	10.87	12	1.297	0.308	22
Head Test data U-NII-2C											
Left cheek	802.11a	136/5680	93.04%	1.075	0.169	0.05	10.85	12	1.303	0.237	22
Left tilted	802.11a	136/5680	93.04%	1.075	0.185	0.03	10.85	12	1.303	0.259	22
Right cheek	802.11a	136/5680	93.04%	1.075	0.284	0.02	10.85	12	1.303	0.398	22
Right tilted	802.11a	136/5680	93.04%	1.075	0.291	0.01	10.85	12	1.303	0.408	22
Head Test data U-NII-3											
Left cheek	802.11a	153/5765	93.04%	1.075	0.159	0.11	10.57	12	1.390	0.238	22
Left tilted	802.11a	153/5765	93.04%	1.075	0.17	0.05	10.57	12	1.390	0.254	22

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Right cheek	802.11a	153/5765	93.04%	1.075	0.253	0.01	10.57	12	1.390	0.378	22
Right tilted	802.11a	153/5765	93.04%	1.075	0.247	0.02	10.57	12	1.390	0.369	22
Head Test Data at the worst case with Battery 2#											
Right tilted	802.11a	136/5680	93.04%	1.075	0.304	0.03	10.85	12	1.303	**0.426**	22
Body worn Test data U-NII-2A(Separate 15mm)											
Front side	802.11a	56/5280	93.60%	1.068	0.00209	0.03	12.34	13.5	1.306	0.003	22
Back side	802.11a	56/5280	93.60%	1.068	0.019	0.01	12.34	13.5	1.306	0.027	22
Body worn Test data U-NII-2C(Separate 15mm)											
Front side	802.11a	136/5680	93.60%	1.068	0.00585	0.02	12.33	13.5	1.309	0.008	22
Back side	802.11a	136/5680	93.60%	1.068	0.021	-0.01	12.33	13.5	1.309	**0.029**	22
Body worn Test data U-NII-3(Separate 15mm)											
Front side	802.11a	153/5765	93.60%	1.068	0.00417	-0.1	12.05	13.5	1.396	0.006	22
Back side	802.11a	153/5765	93.60%	1.068	0.0179	-0.02	12.05	13.5	1.396	0.027	22
Body worn Test Data at the worst case with Battery 2#											
Back side	802.11a	136/5680	93.60%	1.068	0.0209	-0.04	12.33	13.5	1.309	0.029	22
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**Duty Cycle Scaled factor**	**SAR (W/kg) 10-g**	**Power drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
product specific 10gSAR Test data U-NII-2A(Separate 0mm)											
Front side	802.11a	56/5280	93.60%	1.068	0.225	0.02	12.34	13.5	1.306	0.314	22
Back side	802.11a	56/5280	93.60%	1.068	0.103	-0.04	12.34	13.5	1.306	0.144	22
Top side	802.11a	56/5280	93.60%	1.068	0.148	-0.02	12.34	13.5	1.306	0.206	22
Left side	802.11a	56/5280	93.60%	1.068	0.0659	0.08	12.34	13.5	1.306	0.092	22
product specific 10gSAR Test data U-NII-2C(Separate 0mm)											
Front side	802.11a	136/5680	93.60%	1.068	0.067	0.01	12.33	13.5	1.309	0.094	22
Back side	802.11a	136/5680	93.60%	1.068	0.0441	0.02	12.33	13.5	1.309	0.062	22
Top side	802.11a	136/5680	93.60%	1.068	0.125	0.03	12.33	13.5	1.309	0.175	22
Left side	802.11a	136/5680	93.60%	1.068	0.0671	0.01	12.33	13.5	1.309	0.094	22
product specific 10gSAR Test data U-NII-3(Separate 0mm)											
Front side	802.11a	153/5765	93.60%	1.068	0.219	0.03	12.05	13.5	1.396	0.327	22
Back side	802.11a	153/5765	93.60%	1.068	0.0548	0.01	12.05	13.5	1.396	0.082	22
Top side	802.11a	153/5765	93.60%	1.068	0.126	-0.09	12.05	13.5	1.396	0.188	22
Left side	802.11a	153/5765	93.60%	1.068	0.0434	-0.09	12.05	13.5	1.396	0.065	22
product specific 10gSAR Test Data at the worst case with Battery 2#											
Front side	802.11a	153/5765	93.60%	1.068	0.231	0.01	12.05	13.5	1.396	**0.344**	22

Table 30： SAR of 5GHz WIFI for Head, Body and Limb
Note:

1)The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B

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2)If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg (2W/kg for 10g) then testing at the other channels is not required for such test configuration(s).

3)Each channel was tested at the lowest data rate.

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8.3.1 SAR Result Of Bluetooth

Test data											
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**Duty Cycle Scaled factor**	**SAR (W/kg) 1-g**	**Power drift (dB)**	**Conducted power (dBm)**	**Tune up Limit (dBm)**	**Scaled factor**	**Scaled SAR (W/kg)**	**Liquid Temp.**
Head Test data											
Left cheek	DH5	65/2467	76.91%	1.3	0.0925	0.07	9.22	10.4	1.312	0.158	22
Left tilted	DH5	65/2467	76.91%	1.3	0.113	0.08	9.22	10.4	1.312	**0.193**	22
Right cheek	DH5	65/2467	76.91%	1.3	0.0354	0.02	9.22	10.4	1.312	0.06	22
Right tilted	DH5	65/2467	76.91%	1.3	0.049	0.12	9.22	10.4	1.312	0.084	22
Head Test Data at the worst case with Battery 2#											
Left tilted	DH5	65/2467	76.91%	1.3	0.112	0.03	9.22	10.4	1.312	0.191	22

Table 31： SAR of Bluetooth for Head and Body

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B

2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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8.4 Multiple Transmitter Evaluation

8.4.1 Simultaneous SAR SAR test evaluation

Simultaneous Transmission

NO.	Simultaneous TX Combination	Head	Body-worn	Hotspot	Product Specific10-g (0mm)
1	GSM Voice(Ant 1) + BT	Yes	Yes	N/A	Yes
2	GSM DATA(Ant 1) + BT	N/A	Yes	Yes	Yes
3	GSM Voice(Ant 2) + BT	Yes	Yes	N/A	Yes
4	GSM DATA (Ant 2)+ BT	N/A	Yes	Yes	Yes
5	GSM Voice(Ant 1) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi- Fi 2.4G MIMO	Yes	Yes	N/A	Yes
6	GSM DATA(Ant 1) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	N/A	Yes	Yes	Yes
7	GSM Voice(Ant 2) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	Yes	Yes	N/A	Yes
8	GSM DATA(Ant 2) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	N/A	Yes	Yes	Yes
9	UMTS (Ant 1) + BT	Yes	Yes	Yes	Yes
10	UMTS (Ant 2) + BT	Yes	Yes	Yes	Yes
11	UMTS (Ant 1) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	Yes	Yes	Yes	Yes
12	UMTS (Ant 2) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	Yes	Yes	Yes	Yes
13	LTE (Ant 1) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	Yes	Yes	Yes	Yes
14	LTE(Ant 1) + BT	Yes	Yes	Yes	Yes
15	LTE (Ant 2) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	Yes	Yes	Yes	Yes
16	LTE (Ant 2) + BT	Yes	Yes	Yes	Yes
17	GSM Voice(Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	N/A	Yes
18	GSM DATA(Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi- Fi 5G MIMO	N/A	Yes	NO	Yes
19	GSM Voice(Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	N/A	Yes
20	GSM DATA(Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	N/A	Yes	NO	Yes
21	UMTS (Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	NO	Yes
22	UMTS (Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	NO	Yes
23	LTE (Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	NO	Yes

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24	LTE (Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	NO	Yes
25	GSM Voice(Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	N/A	Yes
26	GSM DATA(Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	N/A	Yes	NO	Yes
27	GSM Voice(Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	N/A	Yes
28	GSM DATA(Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	N/A	Yes	NO	Yes
29	UMTS (Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	NO	Yes
30	UMTS (Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	NO	Yes
31	LTE (Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	NO	Yes
32	LTE (Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	NO	Yes
33	GSM Voice(Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	N/A	Yes
34	GSM DATA(Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	N/A	Yes	NO	Yes
35	GSM Voice(Ant 2) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	N/A	Yes
36	GSM DATA (Ant 2)+ BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	N/A	Yes	NO	Yes
37	UMTS (Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	NO	Yes
38	UMTS (Ant 2) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	NO	Yes
39	LTE (Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	NO	Yes
40	LTE (Ant 2) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	NO	Yes

Note:

1) Neither Wi-Fi 2.4G Ant.1 nor Wi-Fi 2.4G Ant.2 can transmit simultaneously with Bluetooth.
2) Wi-Fi 5G Ant.1 can transmit simultaneously with Bluetooth and Ant.2 also can transmit simultaneously with Bluetooth.
3) Wi-Fi 2.4G has two TX antennas. Wi-Fi 2.4G 802.11g/n support 2*2 CDD/MIMO function.
4) Wi-Fi 5G has two TX antennas. Wi-Fi 5G 802.11 a/n/ac support 2*2 CDD/MIMO function.
5) Wi-Fi 2.4G& Wi-Fi 5G can't work at same mode, but they can transmit simultaneously at different modes (Wi-Fi station/P-to-P) by using different Wi-Fi antennas. Only Wi-Fi 2.4G Ant1 station mode and Wi-Fi 5G Ant2 P-to-P mode or Wi-Fi 2.4G Ant1 P-to-P mode and Wi-Fi 5G Ant2 P-to-P mode can transmit simultaneously.
6) The device does not support DTM function.
7) * VoLTE or pre-installed VOIP applications are considered.
8) The Main Antenna (Ant1) and Second Antenna (Ant 2) can't transmit simultaneously.
9) The device supports Vo-WIFI function.
10) WiFi 5G ANT1 and WiFi 2.4G ANT2 can not transmit simultaneously.
11) WiFi 5G does not support Hotspot function.

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8.4.2 Estimated SAR

When the standalone SAR test exclusion is applied to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to the following to determine simultaneous transmission SAR test exclusion:

• (max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHz)/x] W/kg for test separation distances ≤ 50 mm;

Where x = 7.5 for 1-g SAR, and x = 18.75 for 10-g SAR.

• 0.4 W/kg for 1-g SAR and 1.0 W/kg for 10-g SAR, when the test separation distances is > 50 mm.

Estimated SAR Result

Freq. Band	Frequency (GHz)	Test Position	max. power(dBm)	Test Separation (mm)	Estimated 1g SAR (W/kg)
Bluetooth	2.48	Body-worn	10.4	15	0.153
		hotspot	10.4	10	0.230

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1) Simultaneous Transmission SAR Summation Scenario

WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
GSM 850	Head	Left Cheek	0.14	0.300	0.098	0.398	0.158	0.440	0.238	0.538	0.298	N/A
		Left Tilt	0.081	0.441	0.119	0.560	0.193	0.522	0.200	0.641	0.274	N/A
		Right Cheek	0.243	0.156	0.268	0.424	0.06	0.399	0.511	0.667	0.303	N/A
		Right Tilt	0.097	0.226	0.380	0.606	0.084	0.323	0.477	0.703	0.181	N/A
	Body-worn	Front(voice)	0.287	0.052	0.046	0.098	0.153	0.339	0.333	0.385	0.440	N/A
		Back(voice)	0.326	0.075	0.107	0.182	0.153	0.401	0.433	0.508	0.479	N/A
		Front(data)	0.293	0.052	0.046	0.098	0.153	0.345	0.339	0.391	0.446	N/A
		Back(data)	0.344	0.075	0.107	0.182	0.153	0.419	0.451	0.526	0.497	N/A
	Hotspot	Front	0.471	0.089	0.107	0.196	0.23	0.560	0.578	0.667	0.701	N/A
		Back	0.55	0.135	0.115	0.250	0.23	0.685	0.665	0.800	0.780	N/A
		Left	0.091	-	0.078	0.078	-	0.091	0.169	0.169	0.091	N/A
		Right	0.351	0.077	-	0.077	0.23	0.428	0.351	0.428	0.581	N/A
		Top	-	0.284	0.121	0.405	0.23	0.284	0.121	0.405	0.230	N/A
		Bottom	0.365	-	-	-	-	0.365	0.365	0.365	0.365	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
	Head	Left Cheek	0.543	0.300	0.098	0.398	0.158	0.843	0.641	0.941	0.701	N/A
		Left Tilt	0.504	0.441	0.119	0.560	0.193	0.945	0.623	1.064	0.697	N/A
		Right Cheek	0.568	0.156	0.268	0.424	0.06	0.724	0.836	0.992	0.628	N/A
		Right Tilt	0.585	0.226	0.380	0.606	0.084	0.811	0.965	1.191	0.669	N/A
	Body-worn	Front(voice)	0.064	0.052	0.046	0.098	0.153	0.116	0.110	0.162	0.217	N/A
		Back(voice)	0.064	0.075	0.107	0.182	0.153	0.139	0.171	0.246	0.217	N/A
		Front(data)	0.182	0.052	0.046	0.098	0.153	0.234	0.228	0.280	0.335	N/A
		Back(data)	0.177	0.075	0.107	0.182	0.153	0.252	0.284	0.359	0.330	N/A
	Hotspot	Front	0.132	0.089	0.107	0.196	0.23	0.221	0.239	0.328	0.362	N/A
		Back	0.139	0.135	0.115	0.250	0.23	0.274	0.254	0.389	0.369	N/A
		Left	0.053	-	0.078	0.078	-	0.053	0.131	0.131	0.053	N/A
		Right	0.007	0.077	-	0.077	0.23	0.084	0.007	0.084	0.237	N/A
		Top	0.104	0.284	0.121	0.405	0.23	0.388	0.225	0.509	0.334	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A

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		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
GSM 1900	Head	Left Cheek	0.079	0.300	0.098	0.398	0.158	0.379	0.177	0.477	0.237	N/A
		Left Tilt	0.032	0.441	0.119	0.560	0.193	0.473	0.151	0.592	0.225	N/A
		Right Cheek	0.058	0.156	0.268	0.424	0.06	0.214	0.326	0.482	0.118	N/A
		Right Tilt	0.041	0.226	0.380	0.606	0.084	0.267	0.421	0.647	0.125	N/A
	Body-worn	Front(voice)	0.25	0.052	0.046	0.098	0.153	0.302	0.296	0.348	0.403	N/A
		Back(voice)	0.283	0.075	0.107	0.182	0.153	0.358	0.390	0.465	0.436	N/A
		Front(data)	0.298	0.052	0.046	0.098	0.153	0.350	0.344	0.396	0.451	N/A
		Back(data)	0.345	0.075	0.107	0.182	0.153	0.420	0.452	0.527	0.498	N/A
	Hotspot	Front	0.278	0.089	0.107	0.196	0.23	0.367	0.385	0.474	0.508	N/A
		Back	0.304	0.135	0.115	0.250	0.23	0.439	0.419	0.554	0.534	N/A
		Left	0.102	-	0.078	0.078	-	0.102	0.180	0.180	0.102	N/A
		Right	0.025	0.077	-	0.077	0.23	0.102	0.025	0.102	0.255	N/A
		Top	-	0.284	0.121	0.405	0.23	0.284	0.121	0.405	0.230	N/A
		Bottom	0.602	-	-	-	-	0.602	0.602	0.602	0.602	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	1.204	-	-	-	-	1.204	1.204	1.204	1.204	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
WCDMA B2	Head	Left Cheek	0.173	0.300	0.098	0.398	0.158	0.473	0.271	0.571	0.331	N/A
		Left Tilt	0.076	0.441	0.119	0.560	0.193	0.517	0.195	0.636	0.269	N/A
		Right Cheek	0.134	0.156	0.268	0.424	0.060	0.290	0.402	0.558	0.194	N/A
		Right Tilt	0.098	0.226	0.380	0.606	0.084	0.324	0.478	0.704	0.182	N/A
	Body-worn	Front	0.546	0.052	0.046	0.098	0.153	0.598	0.592	0.644	0.699	N/A
		Back	0.617	0.075	0.107	0.182	0.153	0.692	0.724	0.799	0.770	N/A
	Hotspot	Front	0.3	0.089	0.107	0.196	0.230	0.389	0.407	0.496	0.530	N/A
		Back	0.354	0.135	0.115	0.250	0.230	0.489	0.469	0.604	0.584	N/A
		Left	0.125	-	0.078	0.078	-	0.125	0.203	0.203	0.125	N/A
		Right	0.033	0.077	-	0.077	0.230	0.110	0.033	0.110	0.263	N/A
		Top	-	0.284	0.121	0.405	0.230	0.284	0.121	0.405	0.230	N/A
		Bottom	0.696	-	-	-	-	0.696	0.696	0.696	0.696	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	2.171	-	-	-	-	2.171	2.171	2.171	2.171	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A

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		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	1.920	-	-	-	-	1.920	1.920	1.920	1.920	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+ ②	∑1-g SAR ①+ ③	∑1-g SAR ①+④	∑1-g SAR ①+ ⑤	Case NO.
	Head	Left Cheek	0.408	0.300	0.098	0.398	0.158	0.708	0.506	0.806	0.566	N/A
		Left Tilt	0.306	0.441	0.119	0.560	0.193	0.747	0.425	0.866	0.499	N/A
		Right Cheek	0.651	0.156	0.268	0.424	0.060	0.807	0.919	1.075	0.711	N/A
		Right Tilt	0.693	0.226	0.380	0.606	0.084	0.919	1.073	1.299	0.777	N/A
	Body-worn	Front	0.21	0.052	0.046	0.098	0.153	0.262	0.256	0.308	0.363	N/A
		Back	0.269	0.075	0.107	0.182	0.153	0.344	0.376	0.451	0.422	N/A
	Hotspot	Front	0.186	0.089	0.107	0.196	0.230	0.275	0.293	0.382	0.416	N/A
		Back	0.246	0.135	0.115	0.250	0.230	0.381	0.361	0.496	0.476	N/A
		Left	0.185	-	0.078	0.078	-	0.185	0.263	0.263	0.185	N/A
		Right	0.045	0.077	-	0.077	0.230	0.122	0.045	0.122	0.275	N/A
		Top	0.405	0.284	0.121	0.405	0.230	0.689	0.526	0.810	0.635	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+ ②	∑1-g SAR ①+ ③	∑1-g SAR ①+④	∑1-g SAR ①+ ⑤	Case NO.
WCDMA B4	Head	Left Cheek	0.147	0.300	0.098	0.398	0.158	0.447	0.245	0.545	0.305	N/A
		Left Tilt	0.046	0.441	0.119	0.560	0.193	0.487	0.165	0.606	0.239	N/A
		Right Cheek	0.088	0.156	0.268	0.424	0.060	0.244	0.356	0.512	0.148	N/A
		Right Tilt	0.073	0.226	0.380	0.606	0.084	0.299	0.453	0.679	0.157	N/A
	Body-worn	Front	0.421	0.052	0.046	0.098	0.153	0.473	0.467	0.519	0.574	N/A
		Back	0.342	0.075	0.107	0.182	0.153	0.417	0.449	0.524	0.495	N/A
	Hotspot	Front	0.325	0.089	0.107	0.196	0.230	0.414	0.432	0.521	0.555	N/A
		Back	0.321	0.135	0.115	0.250	0.230	0.456	0.436	0.571	0.551	N/A
		Left	0.123	-	0.078	0.078	-	0.123	0.201	0.201	0.123	N/A
		Right	0.029	0.077	-	0.077	0.230	0.106	0.029	0.106	0.259	N/A
		Top	-	0.284	0.121	0.405	0.230	0.284	0.121	0.405	0.230	N/A
		Bottom	0.726	-	-	-	-	0.726	0.726	0.726	0.726	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	2.273	-	-	-	-	2.273	2.273	2.273	2.273	N/A

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	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
	Head	Left Cheek	0.598	0.300	0.098	0.398	0.158	0.898	0.696	0.996	0.756	N/A
		Left Tilt	0.281	0.441	0.119	0.560	0.193	0.722	0.400	0.841	0.474	N/A
		Right Cheek	0.742	0.156	0.268	0.424	0.060	0.898	1.010	1.166	0.802	N/A
		Right Tilt	0.684	0.226	0.380	0.606	0.084	0.910	1.064	1.290	0.768	N/A
	Body-worn	Front	0.179	0.052	0.046	0.098	0.153	0.231	0.225	0.277	0.332	N/A
		Back	0.254	0.075	0.107	0.182	0.153	0.329	0.361	0.436	0.407	N/A
	Hotspot	Front	0.153	0.089	0.107	0.196	0.230	0.242	0.260	0.349	0.383	N/A
		Back	0.204	0.135	0.115	0.250	0.230	0.339	0.319	0.454	0.434	N/A
		Left	0.219	-	0.078	0.078	-	0.219	0.297	0.297	0.219	N/A
		Right	0.034	0.077	-	0.077	0.230	0.111	0.034	0.111	0.264	N/A
		Top	0.256	0.284	0.121	0.405	0.230	0.540	0.377	0.661	0.486	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
WCDMA B5	Head	Left Cheek	0.168	0.300	0.098	0.398	0.158	0.468	0.266	0.566	0.326	N/A
		Left Tilt	0.114	0.441	0.119	0.560	0.193	0.555	0.233	0.674	0.307	N/A
		Right Cheek	0.279	0.156	0.268	0.424	0.060	0.435	0.547	0.703	0.339	N/A
		Right Tilt	0.12	0.226	0.380	0.606	0.084	0.346	0.500	0.726	0.204	N/A
	Body-worn	Front	0.312	0.052	0.046	0.098	0.153	0.364	0.358	0.410	0.465	N/A
		Back	0.383	0.075	0.107	0.182	0.153	0.458	0.490	0.565	0.536	N/A
	Hotspot	Front	0.476	0.089	0.107	0.196	0.230	0.565	0.583	0.672	0.706	N/A
		Back	0.57	0.135	0.115	0.250	0.230	0.705	0.685	**0.820**	0.800	N/A
		Left	0.076	-	0.078	0.078	-	0.076	0.154	0.154	0.076	N/A
		Right	0.368	0.077	-	0.077	0.230	0.445	0.368	0.445	0.598	N/A
		Top	-	0.284	0.121	0.405	0.230	0.284	0.121	0.405	0.230	N/A
		Bottom	0.379	-	-	-	-	0.379	0.379	0.379	0.379	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR	∑1-g SAR	∑1-g SAR ①+④	∑1-g SAR	Case NO.

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								①+②	①+③		①+⑤	
	Head	Left Cheek	0.565	0.300	0.098	0.398	0.158	0.865	0.663	0.963	0.723	N/A
		Left Tilt	0.546	0.441	0.119	0.560	0.193	0.987	0.665	1.106	0.739	N/A
		Right Cheek	0.585	0.156	0.268	0.424	0.060	0.741	0.853	1.009	0.645	N/A
		Right Tilt	0.560	0.226	0.380	0.606	0.084	0.786	0.940	1.166	0.644	N/A
	Body-worn	Front	0.191	0.052	0.046	0.098	0.153	0.243	0.237	0.289	0.344	N/A
		Back	0.178	0.075	0.107	0.182	0.153	0.253	0.285	0.360	0.331	N/A
	Hotspot	Front	0.177	0.089	0.107	0.196	0.230	0.266	0.284	0.373	0.407	N/A
		Back	0.176	0.135	0.115	0.250	0.230	0.311	0.291	0.426	0.406	N/A
		Left	0.112	-	0.078	0.078	-	0.112	0.190	0.190	0.112	N/A
		Right	0.020	0.077	-	0.077	0.230	0.097	0.020	0.097	0.250	N/A
		Top	0.132	0.284	0.121	0.405	0.230	0.416	0.253	0.537	0.362	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
LTE B2	Head	Left Cheek	0.163	0.300	0.098	0.398	0.158	0.463	0.261	0.561	0.321	N/A
		Left Tilt	0.072	0.441	0.119	0.560	0.193	0.513	0.191	0.632	0.265	N/A
		Right Cheek	0.137	0.156	0.268	0.424	0.060	0.293	0.405	0.561	0.197	N/A
		Right Tilt	0.078	0.226	0.380	0.606	0.084	0.304	0.458	0.684	0.162	N/A
	Body-worn	Front	0.495	0.052	0.046	0.098	0.153	0.547	0.541	0.593	0.648	N/A
		Back	0.52	0.075	0.107	0.182	0.153	0.595	0.627	0.702	0.673	N/A
	Hotspot	Front	0.251	0.089	0.107	0.196	0.230	0.340	0.358	0.447	0.481	N/A
		Back	0.26	0.135	0.115	0.250	0.230	0.395	0.375	0.510	0.490	N/A
		Left	0.09	-	0.078	0.078	-	0.090	0.168	0.168	0.090	N/A
		Right	0.029	0.077	-	0.077	0.230	0.106	0.029	0.106	0.259	N/A
		Top	-	0.284	0.121	0.405	0.230	0.284	0.121	0.405	0.230	N/A
		Bottom	0.551	-	-	-	-	0.551	0.551	0.551	0.551	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	1.419	-	-	-	-	1.419	1.419	1.419	1.419	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.

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	Head	Left Cheek	0.323	0.300	0.098	0.398	0.158	0.623	0.421	0.721	0.481	N/A
		Left Tilt	0.473	0.441	0.119	0.560	0.193	0.914	0.592	1.033	0.666	N/A
		Right Cheek	0.725	0.156	0.268	0.424	0.060	0.881	0.993	1.149	0.785	N/A
		Right Tilt	0.746	0.226	0.380	0.606	0.084	0.972	1.126	1.352	0.830	N/A
	Body-worn	Front	0.146	0.052	0.046	0.098	0.153	0.198	0.192	0.244	0.299	N/A
		Back	0.199	0.075	0.107	0.182	0.153	0.274	0.306	0.381	0.352	N/A
	Hotspot	Front	0.144	0.089	0.107	0.196	0.230	0.233	0.251	0.340	0.374	N/A
		Back	0.153	0.135	0.115	0.250	0.230	0.288	0.268	0.403	0.383	N/A
		Left	0.136	-	0.078	0.078	-	0.136	0.214	0.214	0.136	N/A
		Right	0.029	0.077	-	0.077	0.230	0.106	0.029	0.106	0.259	N/A
		Top	0.292	0.284	0.121	0.405	0.230	0.576	0.413	0.697	0.522	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
LTE B4	Head	Left Cheek	0.14	0.300	0.098	0.398	0.158	0.440	0.238	0.538	0.298	N/A
		Left Tilt	0.044	0.441	0.119	0.560	0.193	0.485	0.163	0.604	0.237	N/A
		Right Cheek	0.068	0.156	0.268	0.424	0.060	0.224	0.336	0.492	0.128	N/A
		Right Tilt	0.062	0.226	0.380	0.606	0.084	0.288	0.442	0.668	0.146	N/A
	Body-worn	Front	0.407	0.052	0.046	0.098	0.153	0.459	0.453	0.505	0.560	N/A
		Back	0.266	0.075	0.107	0.182	0.153	0.341	0.373	0.448	0.419	N/A
	Hotspot	Front	0.289	0.089	0.107	0.196	0.230	0.378	0.396	0.485	0.519	N/A
		Back	0.266	0.135	0.115	0.250	0.230	0.401	0.381	0.516	0.496	N/A
		Left	0.119	-	0.078	0.078	-	0.119	0.197	0.197	0.119	N/A
		Right	0.028	0.077	-	0.077	0.230	0.105	0.028	0.105	0.258	N/A
		Top	-	0.284	0.121	0.405	0.230	0.284	0.121	0.405	0.230	N/A
		Bottom	0.612	-	-	-	-	0.612	0.612	0.612	0.612	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	1.592	-	-	-	-	1.592	1.592	1.592	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
	Head	Left Cheek	0.305	0.300	0.098	0.398	0.158	0.605	0.403	0.703	0.463	N/A
		Left Tilt	0.418	0.441	0.119	0.560	0.193	0.859	0.537	0.978	0.611	N/A

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		Right Cheek	0.594	0.156	0.268	0.424	0.060	0.750	0.862	1.018	0.654	N/A
		Right Tilt	0.560	0.226	0.380	0.606	0.084	0.786	0.940	1.166	0.644	N/A
	Body-worn	Front	0.162	0.052	0.046	0.098	0.153	0.214	0.208	0.260	0.315	N/A
		Back	0.218	0.075	0.107	0.182	0.153	0.293	0.325	0.400	0.371	N/A
	Hotspot	Front	0.134	0.089	0.107	0.196	0.230	0.223	0.241	0.330	0.364	N/A
		Back	0.192	0.135	0.115	0.250	0.230	0.327	0.307	0.442	0.422	N/A
		Left	0.204	-	0.078	0.078	-	0.204	0.282	0.282	0.204	N/A
		Right	0.022	0.077	-	0.077	0.230	0.099	0.022	0.099	0.252	N/A
		Top	0.206	0.284	0.121	0.405	0.230	0.490	0.327	0.611	0.436	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
LTE B5	Head	Left Cheek	0.139	0.300	0.098	0.398	0.158	0.439	0.237	0.537	0.297	N/A
		Left Tilt	0.103	0.441	0.119	0.560	0.193	0.544	0.222	0.663	0.296	N/A
		Right Cheek	0.261	0.156	0.268	0.424	0.060	0.417	0.529	0.685	0.321	N/A
		Right Tilt	0.102	0.226	0.380	0.606	0.084	0.328	0.482	0.708	0.186	N/A
	Body-worn	Front	0.31	0.052	0.046	0.098	0.153	0.362	0.356	0.408	0.463	N/A
		Back	0.372	0.075	0.107	0.182	0.153	0.447	0.479	0.554	0.525	N/A
	Hotspot	Front	0.463	0.089	0.107	0.196	0.230	0.552	0.570	0.659	0.693	N/A
		Back	0.546	0.135	0.115	0.250	0.230	0.681	0.661	0.796	0.776	N/A
		Left	0.092	-	0.078	0.078	-	0.092	0.170	0.170	0.092	N/A
		Right	0.359	0.077	-	0.077	0.230	0.436	0.359	0.436	0.589	N/A
		Top	-	0.284	0.121	0.405	0.230	0.284	0.121	0.405	0.230	N/A
		Bottom	0.38	-	-	-	-	0.380	0.380	0.380	0.380	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
	Head	Left Cheek	0.637	0.300	0.098	0.398	0.158	0.937	0.735	1.035	0.795	N/A
		Left Tilt	0.299	0.441	0.119	0.560	0.193	0.740	0.418	0.859	0.492	N/A
		Right Cheek	0.655	0.156	0.268	0.424	0.060	0.811	0.923	1.079	0.715	N/A
		Right Tilt	0.612	0.226	0.380	0.606	0.084	0.838	0.992	1.218	0.696	N/A

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	Body-worn	Front	0.141	0.052	0.046	0.098	0.153	0.193	0.187	0.239	0.294	N/A
		Back	0.148	0.075	0.107	0.182	0.153	0.223	0.255	0.330	0.301	N/A
	Hotspot	Front	0.145	0.089	0.107	0.196	0.230	0.234	0.252	0.341	0.375	N/A
		Back	0.145	0.135	0.115	0.250	0.230	0.280	0.260	0.395	0.375	N/A
		Left	0.058	-	0.078	0.078	-	0.058	0.136	0.136	0.058	N/A
		Right	0.010	0.077	-	0.077	0.230	0.087	0.010	0.087	0.240	N/A
		Top	0.124	0.284	0.121	0.405	0.230	0.408	0.245	0.529	0.354	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
LTE B12	Head	Left Cheek	0.084	0.300	0.098	0.398	0.158	0.384	0.182	0.482	0.242	N/A
		Left Tilt	0.071	0.441	0.119	0.560	0.193	0.512	0.190	0.631	0.264	N/A
		Right Cheek	0.112	0.156	0.268	0.424	0.060	0.268	0.380	0.536	0.172	N/A
		Right Tilt	0.059	0.226	0.380	0.606	0.084	0.285	0.439	0.665	0.143	N/A
	Body-worn	Front	0.199	0.052	0.046	0.098	0.153	0.251	0.245	0.297	0.352	N/A
		Back	0.229	0.075	0.107	0.182	0.153	0.304	0.336	0.411	0.382	N/A
	Hotspot	Front	0.283	0.089	0.107	0.196	0.230	0.372	0.390	0.479	0.513	N/A
		Back	0.306	0.135	0.115	0.250	0.230	0.441	0.421	0.556	0.536	N/A
		Left	0.089	-	0.078	0.078	-	0.089	0.167	0.167	0.089	N/A
		Right	0.306	0.077	-	0.077	0.230	0.383	0.306	0.383	0.536	N/A
		Top	-	0.284	0.121	0.405	0.230	0.284	0.121	0.405	0.230	N/A
		Bottom	0.188	-	-	-	-	0.188	0.188	0.188	0.188	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
	Head	Left Cheek	0.628	0.300	0.098	0.398	0.158	0.928	0.726	1.026	0.786	N/A
		Left Tilt	0.321	0.441	0.119	0.560	0.193	0.762	0.440	0.881	0.514	N/A
		Right Cheek	0.712	0.156	0.268	0.424	0.060	0.868	0.980	1.136	0.772	N/A
		Right Tilt	0.615	0.226	0.380	0.606	0.084	0.841	0.995	1.221	0.699	N/A
	Body-worn	Front	0.102	0.052	0.046	0.098	0.153	0.154	0.148	0.200	0.255	N/A
		Back	0.084	0.075	0.107	0.182	0.153	0.159	0.191	0.266	0.237	N/A
	Hotspot	Front	0.149	0.089	0.107	0.196	0.230	0.238	0.256	0.345	0.379	N/A

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		Back	0.133	0.135	0.115	0.250	0.230	0.268	0.248	0.383	0.363	N/A
		Left	0.055	-	0.078	0.078	-	0.055	0.133	0.133	0.055	N/A
		Right	0.012	0.077	-	0.077	0.230	0.089	0.012	0.089	0.242	N/A
		Top	0.108	0.284	0.121	0.405	0.230	0.392	0.229	0.513	0.338	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
LTE B17	Head	Left Cheek	0.088	0.300	0.098	0.398	0.158	0.388	0.186	0.486	0.246	N/A
		Left Tilt	0.073	0.441	0.119	0.560	0.193	0.514	0.192	0.633	0.266	N/A
		Right Cheek	0.115	0.156	0.268	0.424	0.060	0.271	0.383	0.539	0.175	N/A
		Right Tilt	0.059	0.226	0.380	0.606	0.084	0.285	0.439	0.665	0.143	N/A
	Body-worn	Front	0.205	0.052	0.046	0.098	0.153	0.257	0.251	0.303	0.358	N/A
		Back	0.231	0.075	0.107	0.182	0.153	0.306	0.338	0.413	0.384	N/A
	Hotspot	Front	0.302	0.089	0.107	0.196	0.230	0.391	0.409	0.498	0.532	N/A
		Back	0.321	0.135	0.115	0.250	0.230	0.456	0.436	0.571	0.551	N/A
		Left	0.085	-	0.078	0.078	-	0.085	0.163	0.163	0.085	N/A
		Right	0.314	0.077	-	0.077	0.230	0.391	0.314	0.391	0.544	N/A
		Top	-	0.284	0.121	0.405	0.230	0.284	0.121	0.405	0.230	N/A
		Bottom	0.189	-	-	-	-	0.189	0.189	0.189	0.189	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+⑤	Case NO.
	Head	Left Cheek	0.633	0.300	0.098	0.398	0.158	0.933	0.731	1.031	0.791	N/A
		Left Tilt	0.303	0.441	0.119	0.560	0.193	0.744	0.422	0.863	0.496	N/A
		Right Cheek	0.666	0.156	0.268	0.424	0.060	0.822	0.934	1.090	0.726	N/A
		Right Tilt	0.606	0.226	0.380	0.606	0.084	0.832	0.986	1.212	0.690	N/A
	Body-worn	Front	0.102	0.052	0.046	0.098	0.153	0.154	0.148	0.200	0.255	N/A
		Back	0.085	0.075	0.107	0.182	0.153	0.160	0.192	0.267	0.238	N/A
	Hotspot	Front	0.145	0.089	0.107	0.196	0.230	0.234	0.252	0.341	0.375	N/A
		Back	0.125	0.135	0.115	0.250	0.230	0.260	0.240	0.375	0.355	N/A
		Left	0.054	-	0.078	0.078	-	0.054	0.132	0.132	0.054	N/A
		Right	0.010	0.077	-	0.077	0.230	0.087	0.010	0.087	0.240	N/A

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		Top	0.106	0.284	0.121	0.405	0.230	0.390	0.227	0.511	0.336	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	-	-	-	-	-	-	-	-	N/A
		Back	-	-	-	-	-	-	-	-	-	N/A
		Left	-	-	-	-	-	-	-	-	-	N/A
		Right	-	-	-	-	-	-	-	-	-	N/A
		Top	-	-	-	-	-	-	-	-	-	N/A
		Bottom	-	-	-	-	-	-	-	-	-	N/A

WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+②+⑤	∑1-g SAR ①+③+⑤	∑1-g SAR ①+④+⑤	Case NO.
GSM 850	Head	Left Cheek	0.140	0.454	0.238	0.692	0.158	0.594	0.378	0.832	0.752	0.536	0.990	N/A
		Left Tilt	0.081	0.581	0.259	0.840	0.193	0.662	0.340	0.921	0.855	0.533	1.114	N/A
		Right Cheek	0.243	0.222	0.398	0.620	0.060	0.465	0.641	0.863	0.525	0.701	0.923	N/A
		Right Tilt	0.097	0.277	0.426	0.703	0.084	0.374	0.523	0.800	0.458	0.607	0.884	N/A
	Body-worn	Front(voice)	0.287	0.058	0.008	0.066	0.153	0.345	0.295	0.353	0.498	0.448	0.506	N/A
		Back(voice)	0.326	0.126	0.029	0.155	0.153	0.452	0.355	0.481	0.605	0.508	0.634	N/A
		Front(data)	0.293	0.058	0.008	0.066	0.153	0.351	0.301	0.359	0.504	0.454	0.512	N/A
		Back(data)	0.344	0.126	0.029	0.155	0.153	0.470	0.373	0.499	0.623	0.526	0.652	N/A
	Hotspot	Front	0.471	-	-	-	0.230	0.471	0.471	0.471	0.701	0.701	0.701	N/A
		Back	0.550	-	-	-	0.230	0.550	0.550	0.550	0.780	0.780	0.780	N/A
		Left	0.091	-	-	-	-	0.091	0.091	0.091	0.091	0.091	0.091	N/A
		Right	0.351	-	-	-	0.230	0.351	0.351	0.351	0.581	0.581	0.581	N/A
		Top	-	-	-	-	0.230	-	-	-	0.230	0.230	0.230	N/A
		Bottom	0.365	-	-	-	-	0.365	0.365	0.365	0.365	0.365	0.365	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+②+⑤	∑1-g SAR ①+③+⑤	∑1-g SAR ①+④+⑤	Case NO.
	Head	Left Cheek	0.543	0.454	0.238	0.692	0.158	0.997	0.781	1.235	1.155	0.939	1.393	N/A
		Left Tilt	0.504	0.581	0.259	0.840	0.193	1.085	0.763	1.344	1.278	0.956	1.537	N/A
		Right Cheek	0.568	0.222	0.398	0.620	0.060	0.790	0.966	1.188	0.850	1.026	1.248	N/A
		Right Tilt	0.585	0.277	0.426	0.703	0.084	0.862	1.011	1.288	0.946	1.095	1.372	N/A
	Body-worn	Front(voice)	0.064	0.058	0.008	0.066	0.153	0.122	0.072	0.130	0.275	0.225	0.283	N/A
		Back(voice)	0.064	0.126	0.029	0.155	0.153	0.190	0.093	0.219	0.343	0.246	0.372	N/A
		Front(data)	0.182	0.058	0.008	0.066	0.153	0.240	0.190	0.248	0.393	0.343	0.401	N/A
		Back(data)	0.177	0.126	0.029	0.155	0.153	0.303	0.206	0.332	0.456	0.359	0.485	N/A
	Hotspot	Front	0.132	-	-	-	0.230	0.132	0.132	0.132	0.362	0.362	0.362	N/A

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		Back	0.139	-	-	-	0.230	0.139	0.139	0.139	0.369	0.369	0.369	N/A
		Left	0.053	-	-	-	-	0.053	0.053	0.053	0.053	0.053	0.053	N/A
		Right	0.007	-	-	-	0.230	0.007	0.007	0.007	0.237	0.237	0.237	N/A
		Top	0.104	-	-	-	0.230	0.104	0.104	0.104	0.334	0.334	0.334	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+② +⑤	∑1-g SAR ①+③ +⑤	∑1-g SAR ①+④ +⑤	Case NO.
GSM 1900	Head	Left Cheek	0.079	0.454	0.238	0.692	0.158	0.533	0.317	0.771	0.691	0.475	0.929	N/A
		Left Tilt	0.032	0.581	0.259	0.840	0.193	0.613	0.291	0.872	0.806	0.484	1.065	N/A
		Right Cheek	0.058	0.222	0.398	0.620	0.060	0.280	0.456	0.678	0.340	0.516	0.738	N/A
		Right Tilt	0.041	0.277	0.426	0.703	0.084	0.318	0.467	0.744	0.402	0.551	0.828	N/A
	Body-worn	Front(voice)	0.250	0.058	0.008	0.066	0.153	0.308	0.258	0.316	0.461	0.411	0.469	N/A
		Back(voice)	0.283	0.126	0.029	0.155	0.153	0.409	0.312	0.438	0.562	0.465	0.591	N/A
		Front(data)	0.298	0.058	0.008	0.066	0.153	0.356	0.306	0.364	0.509	0.459	0.517	N/A
		Back(data)	0.345	0.126	0.029	0.155	0.153	0.471	0.374	0.500	0.624	0.527	0.653	N/A
	Hotspot	Front	0.278	-	-	-	0.230	0.278	0.278	0.278	0.508	0.508	0.508	N/A
		Back	0.304	-	-	-	0.230	0.304	0.304	0.304	0.534	0.534	0.534	N/A
		Left	0.102	-	-	-	-	0.102	0.102	0.102	0.102	0.102	0.102	N/A
		Right	0.025	-	-	-	0.230	0.025	0.025	0.025	0.255	0.255	0.255	N/A
		Top	-	-	-	-	0.230	-	-	-	0.230	0.230	0.230	N/A
		Bottom	0.602	-	-	-	-	0.602	0.602	0.602	0.602	0.602	0.602	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	1.204	-	-	-	-	1.204	1.204	1.204	1.204	1.204	1.204	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+② +⑤	∑1-g SAR ①+③ +⑤	∑1-g SAR ①+④ +⑤	Case NO.
WCDMA B2	Head	Left Cheek	0.173	0.454	0.238	0.692	0.158	0.627	0.411	0.865	0.785	0.569	1.023	N/A
		Left Tilt	0.076	0.581	0.259	0.840	0.193	0.657	0.335	0.916	0.850	0.528	1.109	N/A
		Right Cheek	0.134	0.222	0.398	0.620	0.060	0.356	0.532	0.754	0.416	0.592	0.814	N/A
		Right Tilt	0.098	0.277	0.426	0.703	0.084	0.375	0.524	0.801	0.459	0.608	0.885	N/A
	Body-worn	Front	0.546	0.058	0.008	0.066	0.153	0.604	0.554	0.612	0.757	0.707	0.765	N/A
		Back	0.617	0.126	0.029	0.155	0.153	0.743	0.646	0.772	0.896	0.799	**0.925**	N/A
	Hotspot	Front	0.300	-	-	-	0.230	0.300	0.300	0.300	0.530	0.530	0.530	N/A
		Back	0.354	-	-	-	0.230	0.354	0.354	0.354	0.584	0.584	0.584	N/A

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		Left	0.125	-	-	-	-	0.125	0.125	0.125	0.125	0.125	0.125	N/A
		Right	0.033	-	-	-	0.230	0.033	0.033	0.033	0.263	0.263	0.263	N/A
		Top	-	-	-	-	0.230	-	-	-	0.230	0.230	0.230	N/A
		Bottom	0.696	-	-	-	-	0.696	0.696	0.696	0.696	0.696	0.696	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	2.171	0.400	0.144	0.544	-	2.571	2.315	2.715	2.571	2.315	**2.715**	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	1.920	-	-	-	-	1.920	1.920	1.920	1.920	1.920	1.920	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+②+⑤	∑1-g SAR ①+③+⑤	∑1-g SAR ①+④+⑤	Case NO.
	Head	Left Cheek	0.408	0.454	0.238	0.692	0.158	0.862	0.646	1.100	1.020	0.804	1.258	N/A
		Left Tilt	0.306	0.581	0.259	0.840	0.193	0.887	0.565	1.146	1.080	0.758	1.339	N/A
		Right Cheek	0.651	0.222	0.398	0.620	0.060	0.873	1.049	1.271	0.933	1.109	1.331	N/A
		Right Tilt	0.693	0.277	0.426	0.703	0.084	0.970	1.119	1.396	1.054	1.203	1.480	N/A
	Body-worn	Front	0.210	0.058	0.008	0.066	0.153	0.268	0.218	0.276	0.421	0.371	0.429	N/A
		Back	0.269	0.126	0.029	0.155	0.153	0.395	0.298	0.424	0.548	0.451	0.577	N/A
	Hotspot	Front	0.186	-	-	-	0.230	0.186	0.186	0.186	0.416	0.416	0.416	N/A
		Back	0.246	-	-	-	0.230	0.246	0.246	0.246	0.476	0.476	0.476	N/A
		Left	0.185	-	-	-	-	0.185	0.185	0.185	0.185	0.185	0.185	N/A
		Right	0.045	-	-	-	0.230	0.045	0.045	0.045	0.275	0.275	0.275	N/A
		Top	0.405	-	-	-	0.230	0.405	0.405	0.405	0.635	0.635	0.635	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+②+⑤	∑1-g SAR ①+③+⑤	∑1-g SAR ①+④+⑤	Case NO.
WCDMA B4	Head	Left Cheek	0.147	0.454	0.238	0.692	0.158	0.601	0.385	0.839	0.759	0.543	0.997	N/A
		Left Tilt	0.046	0.581	0.259	0.840	0.193	0.627	0.305	0.886	0.820	0.498	1.079	N/A
		Right Cheek	0.088	0.222	0.398	0.620	0.060	0.310	0.486	0.708	0.370	0.546	0.768	N/A
		Right Tilt	0.073	0.277	0.426	0.703	0.084	0.350	0.499	0.776	0.434	0.583	0.860	N/A
	Body-worn	Front	0.421	0.058	0.008	0.066	0.153	0.479	0.429	0.487	0.632	0.582	0.640	N/A
		Back	0.342	0.126	0.029	0.155	0.153	0.468	0.371	0.497	0.621	0.524	0.650	N/A
	Hotspot	Front	0.325	-	-	-	0.230	0.325	0.325	0.325	0.555	0.555	0.555	N/A
		Back	0.321	-	-	-	0.230	0.321	0.321	0.321	0.551	0.551	0.551	N/A
		Left	0.123	-	-	-	-	0.123	0.123	0.123	0.123	0.123	0.123	N/A
		Right	0.029	-	-	-	0.230	0.029	0.029	0.029	0.259	0.259	0.259	N/A
		Top	-	-	-	-	0.230	-	-	-	0.230	0.230	0.230	N/A

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		Bottom	0.726	-	-	-	-	0.726	0.726	0.726	0.726	0.726	0.726	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	2.273	-	-	-	-	2.273	2.273	2.273	2.273	2.273	2.273	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+② +⑤	∑1-g SAR ①+③ +⑤	∑1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.598	0.454	0.238	0.692	0.158	1.052	0.836	1.290	1.210	0.994	1.448	N/A
		Left Tilt	0.281	0.581	0.259	0.840	0.193	0.862	0.540	1.121	1.055	0.733	1.314	N/A
		Right Cheek	0.742	0.222	0.398	0.620	0.060	0.964	1.140	1.362	1.024	1.200	1.422	N/A
		Right Tilt	0.684	0.277	0.426	0.703	0.084	0.961	1.110	1.387	1.045	1.194	1.471	N/A
	Body-worn	Front	0.179	0.058	0.008	0.066	0.153	0.237	0.187	0.245	0.390	0.340	0.398	N/A
		Back	0.254	0.126	0.029	0.155	0.153	0.380	0.283	0.409	0.533	0.436	0.562	N/A
	Hotspot	Front	0.153	-	-	-	0.230	0.153	0.153	0.153	0.383	0.383	0.383	N/A
		Back	0.204	-	-	-	0.230	0.204	0.204	0.204	0.434	0.434	0.434	N/A
		Left	0.219	-	-	-	-	0.219	0.219	0.219	0.219	0.219	0.219	N/A
		Right	0.034	-	-	-	0.230	0.034	0.034	0.034	0.264	0.264	0.264	N/A
		Top	0.256	-	-	-	0.230	0.256	0.256	0.256	0.486	0.486	0.486	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+② +⑤	∑1-g SAR ①+③ +⑤	∑1-g SAR ①+④ +⑤	Case NO.
WCDMA B5	Head	Left Cheek	0.168	0.454	0.238	0.692	0.158	0.622	0.406	0.860	0.780	0.564	1.018	N/A
		Left Tilt	0.114	0.581	0.259	0.840	0.193	0.695	0.373	0.954	0.888	0.566	1.147	N/A
		Right Cheek	0.279	0.222	0.398	0.620	0.060	0.501	0.677	0.899	0.561	0.737	0.959	N/A
		Right Tilt	0.12	0.277	0.426	0.703	0.084	0.397	0.546	0.823	0.481	0.630	0.907	N/A
	Body-worn	Front	0.312	0.058	0.008	0.066	0.153	0.370	0.320	0.378	0.523	0.473	0.531	N/A
		Back	0.383	0.126	0.029	0.155	0.153	0.509	0.412	0.538	0.662	0.565	0.691	N/A
	Hotspot	Front	0.476	-	-	-	0.230	0.476	0.476	0.476	0.706	0.706	0.706	N/A
		Back	0.57	-	-	-	0.230	0.570	0.570	0.570	0.800	0.800	0.800	N/A
		Left	0.076	-	-	-	-	0.076	0.076	0.076	0.076	0.076	0.076	N/A
		Right	0.368	-	-	-	0.230	0.368	0.368	0.368	0.598	0.598	0.598	N/A
		Top	-	-	-	-	0.230	-	-	-	0.230	0.230	0.230	N/A
		Bottom	0.379	-	-	-	-	0.379	0.379	0.379	0.379	0.379	0.379	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A

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		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+② +⑤	∑1-g SAR ①+③ +⑤	∑1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.565	0.454	0.238	0.692	0.158	1.019	0.803	1.257	1.177	0.961	1.415	N/A
		Left Tilt	0.546	0.581	0.259	0.840	0.193	1.127	0.805	1.386	1.320	0.998	**1.579**	N/A
		Right Cheek	0.585	0.222	0.398	0.620	0.060	0.807	0.983	1.205	0.867	1.043	1.265	N/A
		Right Tilt	0.560	0.277	0.426	0.703	0.084	0.837	0.986	1.263	0.921	1.070	1.347	N/A
	Body-worn	Front	0.191	0.058	0.008	0.066	0.153	0.249	0.199	0.257	0.402	0.352	0.410	N/A
		Back	0.178	0.126	0.029	0.155	0.153	0.304	0.207	0.333	0.457	0.360	0.486	N/A
	Hotspot	Front	0.177	-	-	-	0.230	0.177	0.177	0.177	0.407	0.407	0.407	N/A
		Back	0.176	-	-	-	0.230	0.176	0.176	0.176	0.406	0.406	0.406	N/A
		Left	0.112	-	-	-	-	0.112	0.112	0.112	0.112	0.112	0.112	N/A
		Right	0.020	-	-	-	0.230	0.020	0.020	0.020	0.250	0.250	0.250	N/A
		Top	0.132	-	-	-	0.230	0.132	0.132	0.132	0.362	0.362	0.362	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+② +⑤	∑1-g SAR ①+③ +⑤	∑1-g SAR ①+④ +⑤	Case NO.
LTE B2	Head	Left Cheek	0.163	0.454	0.238	0.692	0.158	0.617	0.401	0.855	0.775	0.559	1.013	N/A
		Left Tilt	0.072	0.581	0.259	0.840	0.193	0.653	0.331	0.912	0.846	0.524	1.105	N/A
		Right Cheek	0.137	0.222	0.398	0.620	0.060	0.359	0.535	0.757	0.419	0.595	0.817	N/A
		Right Tilt	0.078	0.277	0.426	0.703	0.084	0.355	0.504	0.781	0.439	0.588	0.865	N/A
	Body-worn	Front	0.495	0.058	0.008	0.066	0.153	0.553	0.503	0.561	0.706	0.656	0.714	N/A
		Back	0.52	0.126	0.029	0.155	0.153	0.646	0.549	0.675	0.799	0.702	0.828	N/A
	Hotspot	Front	0.251	-	-	-	0.230	0.251	0.251	0.251	0.481	0.481	0.481	N/A
		Back	0.26	-	-	-	0.230	0.260	0.260	0.260	0.490	0.490	0.490	N/A
		Left	0.09	-	-	-	-	0.090	0.090	0.090	0.090	0.090	0.090	N/A
		Right	0.029	-	-	-	0.230	0.029	0.029	0.029	0.259	0.259	0.259	N/A
		Top	-	-	-	-	0.230	-	-	-	0.230	0.230	0.230	N/A
		Bottom	0.551	-	-	-	-	0.551	0.551	0.551	0.551	0.551	0.551	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A

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		Bottom	1.419	-	-	-	-	1.419	1.419	1.419	1.419	1.419	1.419	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+② +⑤	∑1-g SAR ①+③ +⑤	∑1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.323	0.454	0.238	0.692	0.158	0.777	0.561	1.015	0.935	0.719	1.173	N/A
		Left Tilt	0.473	0.581	0.259	0.840	0.193	1.054	0.732	1.313	1.247	0.925	1.506	N/A
		Right Cheek	0.725	0.222	0.398	0.620	0.060	0.947	1.123	1.345	1.007	1.183	1.405	N/A
		Right Tilt	0.746	0.277	0.426	0.703	0.084	1.023	1.172	1.449	1.107	1.256	1.533	N/A
	Body-worn	Front	0.146	0.058	0.008	0.066	0.153	0.204	0.154	0.212	0.357	0.307	0.365	N/A
		Back	0.199	0.126	0.029	0.155	0.153	0.325	0.228	0.354	0.478	0.381	0.507	N/A
	Hotspot	Front	0.144	-	-	-	0.230	0.144	0.144	0.144	0.374	0.374	0.374	N/A
		Back	0.153	-	-	-	0.230	0.153	0.153	0.153	0.383	0.383	0.383	N/A
		Left	0.136	-	-	-	-	0.136	0.136	0.136	0.136	0.136	0.136	N/A
		Right	0.029	-	-	-	0.230	0.029	0.029	0.029	0.259	0.259	0.259	N/A
		Top	0.292	-	-	-	0.230	0.292	0.292	0.292	0.522	0.522	0.522	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+② +⑤	∑1-g SAR ①+③ +⑤	∑1-g SAR ①+④ +⑤	Case NO.
LTE B4	Head	Left Cheek	0.14	0.454	0.238	0.692	0.158	0.594	0.378	0.832	0.752	0.536	0.990	N/A
		Left Tilt	0.044	0.581	0.259	0.840	0.193	0.625	0.303	0.884	0.818	0.496	1.077	N/A
		Right Cheek	0.068	0.222	0.398	0.620	0.060	0.290	0.466	0.688	0.350	0.526	0.748	N/A
		Right Tilt	0.062	0.277	0.426	0.703	0.084	0.339	0.488	0.765	0.423	0.572	0.849	N/A
	Body-worn	Front	0.407	0.058	0.008	0.066	0.153	0.465	0.415	0.473	0.618	0.568	0.626	N/A
		Back	0.266	0.126	0.029	0.155	0.153	0.392	0.295	0.421	0.545	0.448	0.574	N/A
	Hotspot	Front	0.289	-	-	-	0.230	0.289	0.289	0.289	0.519	0.519	0.519	N/A
		Back	0.266	-	-	-	0.230	0.266	0.266	0.266	0.496	0.496	0.496	N/A
		Left	0.119	-	-	-	-	0.119	0.119	0.119	0.119	0.119	0.119	N/A
		Right	0.028	-	-	-	0.230	0.028	0.028	0.028	0.258	0.258	0.258	N/A
		Top	-	-	-	-	0.230	-	-	-	0.230	0.230	0.230	N/A
		Bottom	0.612	-	-	-	-	0.612	0.612	0.612	0.612	0.612	0.612	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	1.592	-	-	-	-	1.592	1.592	1.592	1.592	1.592	1.592	N/A

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	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+② +⑤	∑1-g SAR ①+③ +⑤	∑1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.305	0.454	0.238	0.692	0.158	0.759	0.543	0.997	0.917	0.701	1.155	N/A
		Left Tilt	0.418	0.581	0.259	0.840	0.193	0.999	0.677	1.258	1.192	0.870	1.451	N/A
		Right Cheek	0.594	0.222	0.398	0.620	0.060	0.816	0.992	1.214	0.876	1.052	1.274	N/A
		Right Tilt	0.560	0.277	0.426	0.703	0.084	0.837	0.986	1.263	0.921	1.070	1.347	N/A
	Body-worn	Front	0.162	0.058	0.008	0.066	0.153	0.220	0.170	0.228	0.373	0.323	0.381	N/A
		Back	0.218	0.126	0.029	0.155	0.153	0.344	0.247	0.373	0.497	0.400	0.526	N/A
	Hotspot	Front	0.134	-	-	-	0.230	0.134	0.134	0.134	0.364	0.364	0.364	N/A
		Back	0.192	-	-	-	0.230	0.192	0.192	0.192	0.422	0.422	0.422	N/A
		Left	0.204	-	-	-	-	0.204	0.204	0.204	0.204	0.204	0.204	N/A
		Right	0.022	-	-	-	0.230	0.022	0.022	0.022	0.252	0.252	0.252	N/A
		Top	0.206	-	-	-	0.230	0.206	0.206	0.206	0.436	0.436	0.436	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+② +⑤	∑1-g SAR ①+③ +⑤	∑1-g SAR ①+④ +⑤	Case NO.
LTE B5	Head	Left Cheek	0.139	0.454	0.238	0.692	0.158	0.593	0.377	0.831	0.751	0.535	0.989	N/A
		Left Tilt	0.103	0.581	0.259	0.840	0.193	0.684	0.362	0.943	0.877	0.555	1.136	N/A
		Right Cheek	0.261	0.222	0.398	0.620	0.060	0.483	0.659	0.881	0.543	0.719	0.941	N/A
		Right Tilt	0.102	0.277	0.426	0.703	0.084	0.379	0.528	0.805	0.463	0.612	0.889	N/A
	Body-worn	Front	0.31	0.058	0.008	0.066	0.153	0.368	0.318	0.376	0.521	0.471	0.529	N/A
		Back	0.372	0.126	0.029	0.155	0.153	0.498	0.401	0.527	0.651	0.554	0.680	N/A
	Hotspot	Front	0.463	-	-	-	0.230	0.463	0.463	0.463	0.693	0.693	0.693	N/A
		Back	0.546	-	-	-	0.230	0.546	0.546	0.546	0.776	0.776	0.776	N/A
		Left	0.092	-	-	-	-	0.092	0.092	0.092	0.092	0.092	0.092	N/A
		Right	0.359	-	-	-	0.230	0.359	0.359	0.359	0.589	0.589	0.589	N/A
		Top	-	-	-	-	0.230	-	-	-	0.230	0.230	0.230	N/A
		Bottom	0.38	-	-	-	-	0.380	0.380	0.380	0.380	0.380	0.380	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR	∑1-g SAR	∑1-g SAR	Case NO.

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											①+②+⑤	①+③+⑤	①+④+⑤	
	Head	Left Cheek	0.637	0.454	0.238	0.692	0.158	1.091	0.875	1.329	1.249	1.033	1.487	N/A
		Left Tilt	0.299	0.581	0.259	0.840	0.193	0.880	0.558	1.139	1.073	0.751	1.332	N/A
		Right Cheek	0.655	0.222	0.398	0.620	0.060	0.877	1.053	1.275	0.937	1.113	1.335	N/A
		Right Tilt	0.612	0.277	0.426	0.703	0.084	0.889	1.038	1.315	0.973	1.122	1.399	N/A
	Body-worn	Front	0.141	0.058	0.008	0.066	0.153	0.199	0.149	0.207	0.352	0.302	0.360	N/A
		Back	0.148	0.126	0.029	0.155	0.153	0.274	0.177	0.303	0.427	0.330	0.456	N/A
	Hotspot	Front	0.145	-	-	-	0.230	0.145	0.145	0.145	0.375	0.375	0.375	N/A
		Back	0.145	-	-	-	0.230	0.145	0.145	0.145	0.375	0.375	0.375	N/A
		Left	0.058	-	-	-	-	0.058	0.058	0.058	0.058	0.058	0.058	N/A
		Right	0.010	-	-	-	0.230	0.010	0.010	0.010	0.240	0.240	0.240	N/A
		Top	0.124	-	-	-	0.230	0.124	0.124	0.124	0.354	0.354	0.354	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+②+⑤	∑1-g SAR ①+③+⑤	∑1-g SAR ①+④+⑤	Case NO.
LTE B12	Head	Left Cheek	0.084	0.454	0.238	0.692	0.158	0.538	0.322	0.776	0.696	0.480	0.934	N/A
		Left Tilt	0.071	0.581	0.259	0.840	0.193	0.652	0.330	0.911	0.845	0.523	1.104	N/A
		Right Cheek	0.112	0.222	0.398	0.620	0.060	0.334	0.510	0.732	0.394	0.570	0.792	N/A
		Right Tilt	0.059	0.277	0.426	0.703	0.084	0.336	0.485	0.762	0.420	0.569	0.846	N/A
	Body-worn	Front	0.199	0.058	0.008	0.066	0.153	0.257	0.207	0.265	0.410	0.360	0.418	N/A
		Back	0.229	0.126	0.029	0.155	0.153	0.355	0.258	0.384	0.508	0.411	0.537	N/A
	Hotspot	Front	0.283	-	-	-	0.230	0.283	0.283	0.283	0.513	0.513	0.513	N/A
		Back	0.306	-	-	-	0.230	0.306	0.306	0.306	0.536	0.536	0.536	N/A
		Left	0.089	-	-	-	-	0.089	0.089	0.089	0.089	0.089	0.089	N/A
		Right	0.306	-	-	-	0.230	0.306	0.306	0.306	0.536	0.536	0.536	N/A
		Top	-	-	-	-	0.230	-	-	-	0.230	0.230	0.230	N/A
		Bottom	0.188	-	-	-	-	0.188	0.188	0.188	0.188	0.188	0.188	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+②+⑤	∑1-g SAR ①+③+⑤	∑1-g SAR ①+④+⑤	Case NO.

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	Head	Left Cheek	0.628	0.454	0.238	0.692	0.158	1.082	0.866	1.320	1.240	1.024	1.478	N/A
		Left Tilt	0.321	0.581	0.259	0.840	0.193	0.902	0.580	1.161	1.095	0.773	1.354	N/A
		Right Cheek	0.712	0.222	0.398	0.620	0.060	0.934	1.110	1.332	0.994	1.170	1.392	N/A
		Right Tilt	0.615	0.277	0.426	0.703	0.084	0.892	1.041	1.318	0.976	1.125	1.402	N/A
	Body-worn	Front	0.102	0.058	0.008	0.066	0.153	0.160	0.110	0.168	0.313	0.263	0.321	N/A
		Back	0.084	0.126	0.029	0.155	0.153	0.210	0.113	0.239	0.363	0.266	0.392	N/A
	Hotspot	Front	0.149	-	-	-	0.230	0.149	0.149	0.149	0.379	0.379	0.379	N/A
		Back	0.133	-	-	-	0.230	0.133	0.133	0.133	0.363	0.363	0.363	N/A
		Left	0.055	-	-	-	-	0.055	0.055	0.055	0.055	0.055	0.055	N/A
		Right	0.012	-	-	-	0.230	0.012	0.012	0.012	0.242	0.242	0.242	N/A
		Top	0.108	-	-	-	0.230	0.108	0.108	0.108	0.338	0.338	0.338	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+② +⑤	∑1-g SAR ①+③ +⑤	∑1-g SAR ①+④ +⑤	Case NO.
LTE B17	Head	Left Cheek	0.088	0.454	0.238	0.692	0.158	0.542	0.326	0.780	0.700	0.484	0.938	N/A
		Left Tilt	0.073	0.581	0.259	0.840	0.193	0.654	0.332	0.913	0.847	0.525	1.106	N/A
		Right Cheek	0.115	0.222	0.398	0.620	0.060	0.337	0.513	0.735	0.397	0.573	0.795	N/A
		Right Tilt	0.059	0.277	0.426	0.703	0.084	0.336	0.485	0.762	0.420	0.569	0.846	N/A
	Body-worn	Front	0.205	0.058	0.008	0.066	0.153	0.263	0.213	0.271	0.416	0.366	0.424	N/A
		Back	0.231	0.126	0.029	0.155	0.153	0.357	0.260	0.386	0.510	0.413	0.539	N/A
	Hotspot	Front	0.302	-	-	-	0.230	0.302	0.302	0.302	0.532	0.532	0.532	N/A
		Back	0.321	-	-	-	0.230	0.321	0.321	0.321	0.551	0.551	0.551	N/A
		Left	0.085	-	-	-	-	0.085	0.085	0.085	0.085	0.085	0.085	N/A
		Right	0.314	-	-	-	0.230	0.314	0.314	0.314	0.544	0.544	0.544	N/A
		Top	-	-	-	-	0.230	-	-	-	0.230	0.230	0.230	N/A
		Bottom	0.189	-	-	-	-	0.189	0.189	0.189	0.189	0.189	0.189	N/A
	Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
		Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
		Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
		Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
		Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
		Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	∑1-g SAR ①+②	∑1-g SAR ①+③	∑1-g SAR ①+④	∑1-g SAR ①+② +⑤	∑1-g SAR ①+③ +⑤	∑1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.633	0.454	0.238	0.692	0.158	1.087	0.871	1.325	1.245	1.029	1.483	N/A
		Left Tilt	0.303	0.581	0.259	0.840	0.193	0.884	0.562	1.143	1.077	0.755	1.336	N/A

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	Right Cheek	0.666	0.222	0.398	0.620	0.060	0.888	1.064	1.286	0.948	1.124	1.346	N/A
	Right Tilt	0.606	0.277	0.426	0.703	0.084	0.883	1.032	1.309	0.967	1.116	1.393	N/A
Body-worn	Front	0.102	0.058	0.008	0.066	0.153	0.160	0.110	0.168	0.313	0.263	0.321	N/A
	Back	0.085	0.126	0.029	0.155	0.153	0.211	0.114	0.240	0.364	0.267	0.393	N/A
Hotspot	Front	0.145	-	-	-	0.230	0.145	0.145	0.145	0.375	0.375	0.375	N/A
	Back	0.125	-	-	-	0.230	0.125	0.125	0.125	0.355	0.355	0.355	N/A
	Left	0.054	-	-	-	-	0.054	0.054	0.054	0.054	0.054	0.054	N/A
	Right	0.010	-	-	-	0.230	0.010	0.010	0.010	0.240	0.240	0.240	N/A
	Top	0.106	-	-	-	0.230	0.106	0.106	0.106	0.336	0.336	0.336	N/A
	Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A
Limbs	Front	-	1.021	0.344	1.365	-	1.021	0.344	1.365	1.021	0.344	1.365	N/A
	Back	-	0.400	0.144	0.544	-	0.400	0.144	0.544	0.400	0.144	0.544	N/A
	Left	-	-	0.094	0.094	-	-	0.094	0.094	-	0.094	0.094	N/A
	Right	-	0.146	-	0.146	-	0.146	-	0.146	0.146	-	0.146	N/A
	Top	-	1.209	0.206	1.415	-	1.209	0.206	1.415	1.209	0.206	1.415	N/A
	Bottom	-	-	-	-	-	-	-	-	-	-	-	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
GSM 850	Head	Left Cheek	0.14	0.300	0.238	0.678	N/A
		Left Tilt	0.081	0.441	0.259	0.781	N/A
		Right Cheek	0.243	0.156	0.398	0.797	N/A
		Right Tilt	0.097	0.226	0.426	0.749	N/A
	Body-worn	Front(voice)	0.287	0.052	0.008	0.347	N/A
		Back(voice)	0.326	0.075	0.029	0.430	N/A
		Front(data)	0.293	0.052	0.008	0.353	N/A
		Back(data)	0.344	0.075	0.029	0.448	N/A
	Hotspot	Front	0.471	0.089	-	0.560	N/A
		Back	0.55	0.135	-	0.685	N/A
		Left	0.091	-	-	0.091	N/A
		Right	0.351	0.077	-	0.428	N/A
		Top	-	0.284	-	0.284	N/A
		Bottom	0.365	-	-	0.365	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
	Head	Left Cheek	0.543	0.300	0.238	1.081	N/A
		Left Tilt	0.504	0.441	0.259	1.204	N/A
		Right Cheek	0.568	0.156	0.398	1.122	N/A
		Right Tilt	0.585	0.226	0.426	1.237	N/A
	Body-worn	Front(voice)	0.064	0.052	0.008	0.124	N/A
		Back(voice)	0.064	0.075	0.029	0.168	N/A
		Front(data)	0.182	0.052	0.008	0.242	N/A
		Back(data)	0.177	0.075	0.029	0.281	N/A
	Hotspot	Front	0.132	0.089	-	0.221	N/A
		Back	0.139	0.135	-	0.274	N/A
		Left	0.053	-	-	0.053	N/A
		Right	0.007	0.077	-	0.084	N/A
		Top	0.104	0.284	-	0.388	N/A
		Bottom	-	-	-	-	N/A
	Limbs	Front	-	-	0.344	0.344	N/A

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		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
GSM 1900	Head	Left Cheek	0.079	0.300	0.238	0.617	N/A
		Left Tilt	0.032	0.441	0.259	0.732	N/A
		Right Cheek	0.058	0.156	0.398	0.612	N/A
		Right Tilt	0.041	0.226	0.426	0.693	N/A
	Body-worn	Front(voice)	0.25	0.052	0.008	0.310	N/A
		Back(voice)	0.283	0.075	0.029	0.387	N/A
		Front(data)	0.298	0.052	0.008	0.358	N/A
		Back(data)	0.345	0.075	0.029	0.449	N/A
	Hotspot	Front	0.278	0.089	-	0.367	N/A
		Back	0.304	0.135	-	0.439	N/A
		Left	0.102	-	-	0.102	N/A
		Right	0.025	0.077	-	0.102	N/A
		Top	-	0.284	-	0.284	N/A
		Bottom	0.602	-	-	0.602	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	1.204	-	-	1.204	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
WCDMA B2	Head	Left Cheek	0.173	0.300	0.238	0.711	N/A
		Left Tilt	0.076	0.441	0.259	0.776	N/A
		Right Cheek	0.134	0.156	0.398	0.688	N/A
		Right Tilt	0.098	0.226	0.426	0.750	N/A
	Body-worn	Front	0.546	0.052	0.008	0.606	N/A
		Back	0.617	0.075	0.029	0.721	N/A
	Hotspot	Front	0.3	0.089	-	0.389	N/A
		Back	0.354	0.135	-	0.489	N/A
		Left	0.125	-	-	0.125	N/A
		Right	0.033	0.077	-	0.110	N/A
		Top	-	0.284	-	0.284	N/A

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		Bottom	0.696	-	-	0.696	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	2.171	-	0.144	2.315	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	1.920	-	-	1.920	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
	Head	Left Cheek	0.408	0.300	0.238	0.946	N/A
		Left Tilt	0.306	0.441	0.259	1.006	N/A
		Right Cheek	0.651	0.156	0.398	1.205	N/A
		Right Tilt	0.693	0.226	0.426	1.345	N/A
	Body-worn	Front	0.210	0.052	0.008	0.270	N/A
		Back	0.269	0.075	0.029	0.373	N/A
	Hotspot	Front	0.186	0.089	-	0.275	N/A
		Back	0.246	0.135	-	0.381	N/A
		Left	0.185	-	-	0.185	N/A
		Right	0.045	0.077	-	0.122	N/A
		Top	0.405	0.284	-	0.689	N/A
		Bottom	-	-	-	-	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
WCDMA B4	Head	Left Cheek	0.147	0.300	0.238	0.685	N/A
		Left Tilt	0.046	0.441	0.259	0.746	N/A
		Right Cheek	0.088	0.156	0.398	0.642	N/A
		Right Tilt	0.073	0.226	0.426	0.725	N/A
	Body-worn	Front	0.421	0.052	0.008	0.481	N/A
		Back	0.342	0.075	0.029	0.446	N/A
	Hotspot	Front	0.325	0.089	-	0.414	N/A
		Back	0.321	0.135	-	0.456	N/A
		Left	0.123	-	-	0.123	N/A
		Right	0.029	0.077	-	0.106	N/A
		Top	-	0.284	-	0.284	N/A

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		Bottom	0.726	-	-	0.726	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	2.273	-	-	2.273	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
	Head	Left Cheek	0.598	0.300	0.238	1.136	N/A
		Left Tilt	0.281	0.441	0.259	0.981	N/A
		Right Cheek	0.742	0.156	0.398	1.296	N/A
		Right Tilt	0.684	0.226	0.426	1.336	N/A
	Body-worn	Front	0.179	0.052	0.008	0.239	N/A
		Back	0.254	0.075	0.029	0.358	N/A
	Hotspot	Front	0.153	0.089	-	0.242	N/A
		Back	0.204	0.135	-	0.339	N/A
		Left	0.219	-	-	0.219	N/A
		Right	0.034	0.077	-	0.111	N/A
		Top	0.256	0.284	-	0.540	N/A
		Bottom	-	-	-	-	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
WCDMA B5	Head	Left Cheek	0.168	0.300	0.238	0.706	N/A
		Left Tilt	0.114	0.441	0.259	0.814	N/A
		Right Cheek	0.279	0.156	0.398	0.833	N/A
		Right Tilt	0.12	0.226	0.426	0.772	N/A
	Body-worn	Front	0.312	0.052	0.008	0.372	N/A
		Back	0.383	0.075	0.029	0.487	N/A
	Hotspot	Front	0.476	0.089	-	0.565	N/A
		Back	0.57	0.135	-	0.705	N/A
		Left	0.076	-	-	0.076	N/A
		Right	0.368	0.077	-	0.445	N/A
		Top	-	0.284	-	0.284	N/A

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		Bottom	0.379	-	-	0.379	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
	Head	Left Cheek	0.565	0.300	0.238	1.103	N/A
		Left Tilt	0.546	0.441	0.259	1.246	N/A
		Right Cheek	0.585	0.156	0.398	1.139	N/A
		Right Tilt	0.560	0.226	0.426	1.212	N/A
	Body-worn	Front	0.191	0.052	0.008	0.251	N/A
		Back	0.178	0.075	0.029	0.282	N/A
	Hotspot	Front	0.177	0.089	-	0.266	N/A
		Back	0.176	0.135	-	0.311	N/A
		Left	0.112	-	-	0.112	N/A
		Right	0.020	0.077	-	0.097	N/A
		Top	0.132	0.284	-	0.416	N/A
		Bottom	-	-	-	-	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
LTE B2	Head	Left Cheek	0.163	0.300	0.238	0.701	N/A
		Left Tilt	0.072	0.441	0.259	0.772	N/A
		Right Cheek	0.137	0.156	0.398	0.691	N/A
		Right Tilt	0.078	0.226	0.426	0.730	N/A
	Body-worn	Front	0.495	0.052	0.008	0.555	N/A
		Back	0.52	0.075	0.029	0.624	N/A
	Hotspot	Front	0.251	0.089	-	0.340	N/A
		Back	0.26	0.135	-	0.395	N/A
		Left	0.09	-	-	0.090	N/A
		Right	0.029	0.077	-	0.106	N/A
		Top	-	0.284	-	0.284	N/A

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		Bottom	0.551	-	-	0.551	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	1.419	-	-	1.419	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
	Head	Left Cheek	0.323	0.300	0.238	0.861	N/A
		Left Tilt	0.473	0.441	0.259	1.173	N/A
		Right Cheek	0.725	0.156	0.398	1.279	N/A
		Right Tilt	0.746	0.226	0.426	1.398	N/A
	Body-worn	Front	0.146	0.052	0.008	0.206	N/A
		Back	0.199	0.075	0.029	0.303	N/A
	Hotspot	Front	0.144	0.089	-	0.233	N/A
		Back	0.153	0.135	-	0.288	N/A
		Left	0.136	-	-	0.136	N/A
		Right	0.029	0.077	-	0.106	N/A
		Top	0.292	0.284	-	0.576	N/A
		Bottom	-	-	-	-	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
LTE B4	Head	Left Cheek	0.14	0.300	0.238	0.678	N/A
		Left Tilt	0.044	0.441	0.259	0.744	N/A
		Right Cheek	0.068	0.156	0.398	0.622	N/A
		Right Tilt	0.062	0.226	0.426	0.714	N/A
	Body-worn	Front	0.407	0.052	0.008	0.467	N/A
		Back	0.266	0.075	0.029	0.370	N/A
	Hotspot	Front	0.289	0.089	-	0.378	N/A
		Back	0.266	0.135	-	0.401	N/A
		Left	0.119	-	-	0.119	N/A
		Right	0.028	0.077	-	0.105	N/A
		Top	-	0.284	-	0.284	N/A

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		Bottom	0.612	-	-	0.612	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	1.592	-	-	1.592	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
	Head	Left Cheek	0.305	0.300	0.238	0.843	N/A
		Left Tilt	0.418	0.441	0.259	1.118	N/A
		Right Cheek	0.594	0.156	0.398	1.148	N/A
		Right Tilt	0.560	0.226	0.426	1.212	N/A
	Body-worn	Front	0.162	0.052	0.008	0.222	N/A
		Back	0.218	0.075	0.029	0.322	N/A
	Hotspot	Front	0.134	0.089	-	0.223	N/A
		Back	0.192	0.135	-	0.327	N/A
		Left	0.204	-	-	0.204	N/A
		Right	0.022	0.077	-	0.099	N/A
		Top	0.206	0.284	-	0.490	N/A
		Bottom	-	-	-	-	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
LTE B5	Head	Left Cheek	0.139	0.300	0.238	0.677	N/A
		Left Tilt	0.103	0.441	0.259	0.803	N/A
		Right Cheek	0.261	0.156	0.398	0.815	N/A
		Right Tilt	0.102	0.226	0.426	0.754	N/A
	Body-worn	Front	0.31	0.052	0.008	0.370	N/A
		Back	0.372	0.075	0.029	0.476	N/A
	Hotspot	Front	0.463	0.089	-	0.552	N/A
		Back	0.546	0.135	-	0.681	N/A
		Left	0.092	-	-	0.092	N/A
		Right	0.359	0.077	-	0.436	N/A
		Top	-	0.284	-	0.284	N/A

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		Bottom	0.38	-	-	0.380	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
	Head	Left Cheek	0.637	0.300	0.238	1.175	N/A
		Left Tilt	0.299	0.441	0.259	0.999	N/A
		Right Cheek	0.655	0.156	0.398	1.209	N/A
		Right Tilt	0.612	0.226	0.426	1.264	N/A
	Body-worn	Front	0.141	0.052	0.008	0.201	N/A
		Back	0.148	0.075	0.029	0.252	N/A
	Hotspot	Front	0.145	0.089	-	0.234	N/A
		Back	0.145	0.135	-	0.280	N/A
		Left	0.058	-	-	0.058	N/A
		Right	0.010	0.077	-	0.087	N/A
		Top	0.124	0.284	-	0.408	N/A
		Bottom	-	-	-	-	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
LTE B12	Head	Left Cheek	0.084	0.300	0.238	0.622	N/A
		Left Tilt	0.071	0.441	0.259	0.771	N/A
		Right Cheek	0.112	0.156	0.398	0.666	N/A
		Right Tilt	0.059	0.226	0.426	0.711	N/A
	Body-worn	Front	0.199	0.052	0.008	0.259	N/A
		Back	0.229	0.075	0.029	0.333	N/A
	Hotspot	Front	0.283	0.089	-	0.372	N/A
		Back	0.306	0.135	-	0.441	N/A
		Left	0.089	-	-	0.089	N/A
		Right	0.306	0.077	-	0.383	N/A
		Top	-	0.284	-	0.284	N/A

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		Bottom	0.188	-	-	0.188	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
	Head	Left Cheek	0.628	0.300	0.238	1.166	N/A
		Left Tilt	0.321	0.441	0.259	1.021	N/A
		Right Cheek	0.712	0.156	0.398	1.266	N/A
		Right Tilt	0.615	0.226	0.426	1.267	N/A
	Body-worn	Front	0.102	0.052	0.008	0.162	N/A
		Back	0.084	0.075	0.029	0.188	N/A
	Hotspot	Front	0.149	0.089	-	0.238	N/A
		Back	0.133	0.135	-	0.268	N/A
		Left	0.055	-	-	0.055	N/A
		Right	0.012	0.077	-	0.089	N/A
		Top	0.108	0.284	-	0.392	N/A
		Bottom	-	-	-	-	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	-	-	-	-	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
LTE B17	Head	Left Cheek	0.088	0.300	0.238	0.626	N/A
		Left Tilt	0.073	0.441	0.259	0.773	N/A
		Right Cheek	0.115	0.156	0.398	0.669	N/A
		Right Tilt	0.059	0.226	0.426	0.711	N/A
	Body-worn	Front	0.205	0.052	0.008	0.265	N/A
		Back	0.231	0.075	0.029	0.335	N/A
	Hotspot	Front	0.302	0.089	-	0.391	N/A
		Back	0.321	0.135	-	0.456	N/A
		Left	0.085	-	-	0.085	N/A
		Right	0.314	0.077	-	0.391	N/A
		Top	-	0.284	-	0.284	N/A

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		Bottom	0.189	-	-	0.189	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	-	-	-	-	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	∑1-g SAR ①+② +③	Case NO.
	Head	Left Cheek	0.633	0.300	0.238	1.171	N/A
		Left Tilt	0.303	0.441	0.259	1.003	N/A
		Right Cheek	0.666	0.156	0.398	1.220	N/A
		Right Tilt	0.606	0.226	0.426	1.258	N/A
	Body-worn	Front	0.102	0.052	0.008	0.162	N/A
		Back	0.085	0.075	0.029	0.189	N/A
	Hotspot	Front	0.145	0.089	-	0.234	N/A
		Back	0.125	0.135	-	0.260	N/A
		Left	0.054	-	-	0.054	N/A
		Right	0.010	0.077	-	0.087	N/A
		Top	0.106	0.284	-	0.390	N/A
		Bottom	-	-	-	-	N/A
	Limbs	Front	-	-	0.344	0.344	N/A
		Back	-	-	0.144	0.144	N/A
		Left	-	-	0.094	0.094	N/A
		Right	-	-	-	-	N/A
		Top	-	-	0.206	0.206	N/A
		Bottom	-	-	-	-	N/A

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9 Equipment list

Test Platform	SPEAG DASY5 Professional
Location	SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
Description	SAR Test System (Frequency range 300MHz-6GHz)
Software Reference	DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Hardware Reference

	Equipment	Manufacturer	Model	Serial Number	Calibration Date	Due date of calibration
☒	Robot	Staubli	RX90L	F03/5V32A1/A01	NCR	NCR
☒	Twin Phantom	SPEAG	SAM 2	1913	NCR	NCR
☒	DAE	SPEAG	DAE4	896	2017-09-27	2018-09-26
☒	DAE	SPEAG	DAE4	1374	2017-08-31	2018-08-30
☒	E-Field Probe	SPEAG	EX3DV4	3789	2018-02-08	2019-02-07
☒	E-Field Probe	SPEAG	EX3DV4	3962	2018-01-11	2019-01-10
☐	Validation Kits	SPEAG	D750V3	1160	2016-06-22	2019-06-21
☒	Validation Kits	SPEAG	D835V2	4d105	2016-12-08	2019-12-07
☒	Validation Kits	SPEAG	D1750V2	1149	2016-06-23	2019-06-22
☒	Validation Kits	SPEAG	D1950V3	1138	2016-12-07	2019-12-06
☒	Validation Kits	SPEAG	D2300V2	1072	2016-06-21	2019-06-20
☒	Validation Kits	SPEAG	D2450V2	733	2016-12-07	2019-12-06
☒	Validation Kits	SPEAG	D2600V2	1125	2016-06-22	2019-06-21
☒	Agilent Network Analyzer	Agilent	E5071C	MY46523590	2018-03-13	2019-03-12
☒	Dielectric Probe Kit	Agilent	85070E	US01440210	NCR	NCR
☒	Radio Communication Analyzer	Anritsu Corporation	MT8820C	6201465414	2018-03-13	2019-03-12
☒	RF Bi-Directional Coupler	Agilent	86205-60001	MY31400031	NCR	NCR
☒	Signal Generator	Agilent	N5171B	MY53050736	2018-03-13	2019-03-12
☒	Preamplifier	Mini-Circuits	ZHL-42W	15542	NCR	NCR
☒	Power Meter	Agilent	E4416A	GB41292095	2018-03-13	2019-03-12
☒	Power Sensor	Agilent	8481H	MY41091234	2018-03-13	2019-03-12
☒	Power Sensor	R&S	NRP-Z92	100025	2018-03-13	2019-03-12
☒	Attenuator	SHX	TS2-3dB	30704	NCR	NCR
☒	Coaxial low pass filter	Mini-Circuits	VLF-2500(+)	NA	NCR	NCR
☒	Coaxial low pass filter	Microlab Fxr	LA-F13	NA	NCR	NCR
☒	50 Ω coaxial load	Mini-Circuits	KARN-50+	00850	NCR	NCR
☒	DC POWER SUPPLY	SAKO	SK1730SL5A	NA	NCR	NCR
☒	Speed reading thermometer	MingGao	T809	NA	2018-03-13	2019-03-12

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☒	Humidity and Temperature Indicator	KIMTOKA	KIMTOKA	NA	2018-03-13	2019-03-12

10 Calibration certificate

Please see the Appendix C

11 Photographs

Please see the Appendix D

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Appendix A: Detailed System Validation Results

Appendix B: Detailed Test Results

Appendix C: Calibration certificate

Appendix D: Photographs

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