FCC SAR TEST REPORT

Report No:	E5/2018/80016
Applicant:	Huawei Technologies Co., Ltd.
Manufacturer:	Huawei Technologies Co., Ltd.
Factory:	Huawei Technologies Co., Ltd.
Product Name:	Smart Phone
Model No.(EUT):	HMA-L29, HMA-L09
Trade Mark:	HUAWEI
FCC ID:	QISHMA-LX9
Standards:	FCC 47CFR §2.1093
Date of Receipt:	2018-07-23
Date of Test:	2018-07-23 to 2018-08-22
Date of Issue:	2018-08-30
Test conclusion:	**PASS ***

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

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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Signed on behalf of SGS

Sr. Engineer

Matt Kuo

Matt Kuo

Date: Aug. 30, 2018

Supervisor

John Yeh

John Yeh

Date: Aug. 30, 2018

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REVISION HISTORY

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2018-08-30		Original

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TEST SUMMARY

Frequency Band	Maximum Reported SAR(W/kg)			
	Head	Body-worn	Hotspot	Limbs
GSM850	0.33	0.44	0.62	/
GSM1900	0.22	0.66	0.81	1.86
WCDMA Band II	0.48	0.92	0.80	2.14
WCDMA Band IV	**0.69**	0.97	**0.99**	**2.14**
WCDMA Band V	0.45	0.39	0.61	/
LTE Band 2	0.48	0.97	0.76	2.14
LTE Band 4	0.62	**0.98**	0.71	2.12
LTE Band 5	0.41	0.37	0.62	/
LTE Band 7	0.32	0.61	0.64	1.03
LTE Band 12	0.52	0.34	0.44	/
LTE Band 17	0.34	0.33	0.43	/
LTE Band 26	0.41	0.34	0.55	/
LTE Band 38	0.44	0.41	0.54	/
LTE Band 41	0.42	0.34	0.60	/
WI-FI (2.4GHz)	0.56	0.07	0.21	/
WI-FI (5GHz)	0.49	0.34	0.63	1.97
Bluetooth	0.13	0.05	0.08	0.17
SAR Limited(w/kg)	1.6			4.0
Maximum Simultaneous Transmission SAR (W/kg)				
Scenario	Head	Body-worn	Hotspot	Limbs
Sum SAR	1.36	1.43	1.45	3.96
SPLSR	N/A	N/A	N/A	N/A
SPLSR Limited	0.04			0.1

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CONTENTS

1 GENERAL INFORMATION 7
1.1 DETAILS OF CLIENT 7
1.2 TEST LOCATION 7
1.3 GENERAL DESCRIPTION OF EUT 8
1.3.1 DUT Antenna Locations 10
1.3.2 Dynamic antenna switching specification 11
1.3.3 Power reduction specification 12
1.3.4 Downlink&Uplink LTE CA additional specification 14
1.4 TEST SPECIFICATION 22
1.5 RF EXPOSURE LIMITS 23
2 LABORATORY ENVIRONMENT 24
3 SAR MEASUREMENTS SYSTEM CONFIGURATION 25
3.1 THE SAR MEASUREMENT SYSTEM 25
3.2 ISOTROPIC E-FIELD PROBE EX3DV4 26
3.3 DATA ACQUISITION ELECTRONICS (DAE) 27
3.4 SAM TWIN PHANTOM 27
3.5 ELI PHANTOM 28
3.6 DEVICE HOLDER FOR TRANSMITTERS 29
3.7 MEASUREMENT PROCEDURE 30
3.7.1 Scanning procedure 30
3.7.2 Data Storage 32
3.7.3 Data Evaluation by SEMCAD 32
4 SAR MEASUREMENT VARIABILITY AND UNCERTAINTY 34
4.1 SAR MEASUREMENT VARIABILITY 34
4.2 SAR MEASUREMENT UNCERTAINTY 35
5 DESCRIPTION OF TEST POSITION 36
5.1 HEAD EXPOSURE CONDITION 36
5.1.1 SAM Phantom Shape 36
5.1.2 EUT constructions 37
5.1.3 Definition of the “cheek” position 38

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5.1.4 Definition of the "tilted" position 39
5.2 BODY EXPOSURE CONDITION 40
5.2.1 Body-worn accessory exposure conditions 40
5.2.2 Wireless Router exposure conditions 41
5.3 EXTREMITY EXPOSURE CONDITIONS 41
5.4 PROXIMITY SENSOR TRIGGERING TEST 45
6 SAR SYSTEM VERIFICATION PROCEDURE 53
6.1 TISSUE SIMULATE LIQUID 53
6.1.1 Recipes for Tissue Simulate Liquid 53
6.1.2 Measurement for Tissue Simulate Liquid 54
6.2 SAR SYSTEM CHECK 56
6.2.1 Justification for Extended SAR Dipole Calibrations 57
6.2.2 Summary System Check Result(s) 58
6.2.3 Detailed System Check Results 59
7 TEST CONFIGURATION 60
7.1 3G SAR TEST REDUCTION PROCEDURE 60
7.2 OPERATION CONFIGURATIONS 60
7.2.1 GSM Test Configuration 60
7.2.2 WCDMA Test Configuration 61
7.2.3 WiFi Test Configuration 67
7.2.4 LTE Test Configuration 75
8 TEST RESULT 78
8.1 MEASUREMENT OF RF CONDUCTED POWER 78
8.1.1 Conducted Power of Antenna 1 78
8.1.2 Conducted Power of Antenna 2 138
8.1.1 Conducted Power of Downlink and Uplink LTE CA 198
8.1.2 Conducted Power of WIFI and BT 205
8.2 STAND-ALONE SAR TEST EVALUATION 237
8.3 MEASUREMENT OF SAR DATA 238
8.3.1 SAR Result Of GSM850 238
8.3.2 SAR Result Of GSM1900 240
8.3.3 SAR Result Of WCDMA Band V 242

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8.3.4 SAR Result Of WCDMA Band IV 244
8.3.5 SAR Result Of WCDMA Band II 247
8.3.6 SAR Result Of LTE Band 2 249
8.3.1 SAR Result Of LTE Band 4 252
8.3.2 SAR Result Of LTE Band 5 255
8.3.3 SAR Result Of LTE Band 7 258
8.3.4 SAR Result Of LTE Band 12 261
8.3.5 SAR Result Of LTE Band 17 263
8.3.6 SAR Result Of LTE Band 26 265
8.3.7 SAR Result Of LTE Band 38 267
8.3.8 SAR Result Of LTE Band 41 270
8.3.9 SAR Result Of 2.4GHz WIFI 273
8.3.1 SAR Result Of 5GHz WIFI 275
8.3.2 SAR Result Of Bluetooth 278
8.4 MULTIPLE TRANSMITTER EVALUATION 279
8.4.1 Simultaneous SAR SAR test evaluation 279
9 EQUIPMENT LIST 320
10 CALIBRATION CERTIFICATE 321
11 PHOTOGRAPHS 321
APPENDIX A: DETAILED SYSTEM VALIDATION RESULTS 321
APPENDIX B: DETAILED TEST RESULTS 321
APPENDIX C: CALIBRATION CERTIFICATE 321
APPENDIX D: PHOTOGRAPHS 321

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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

SGS Taiwan Ltd. Electronics & Communication Laboratory	
No.134, Wu Kung Road, New Taipei Industrial Park	
Wuku District, New Taipei City, Taiwan	
Tel	+886-2-2299-3279
Fax	+886-2-2298-0488
Internet	http://www.tw.sgs.com/

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1.3 General Description of EUT

Device Type :	portable device		
Exposure Category:	uncontrolled environment / general population		
Product Name:	Smart Phone		
Model No.(EUT):	HMA-L29, HMA-L09		
FCC ID:	QISHMA-LX9		
Trade Mark:	HUAWEI		
Product Phase:	production unit		
SN:	VDY0118703000062/VDY0118703000064/VDY0118703000074/VDY0118703000073/VDY0118703000109/VDY0118703000075		
Hardware Version:	HL1HIMAM		
Software Version:	9.0.0.46（C432E55R1P7log）		
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 Category	7	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”(WCDMA Band II/IV/V)		
	3, tested with power control Max Power(LTE Band 2/4/5/7/12/17/26/38/41)		
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 7	2500-2570	2620-2690
	LTE Band 12	699-716	729-746
	LTE Band 17	704-716	734-746
	LTE Band 26	814-849	859-894
	LTE Band 38	2570-2620	2570-2620
	LTE Band 41	2496-2690	2496-2690
	Bluetooth	2400-2483.5	2400-2483.5
	Wi-Fi 2.4G	2400-2472	2400-2472
	Wi-Fi 5G	5150-5350 5470-5850	5150-5350 5470-5850

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	NFC	13.56	13.56
Battery 1 Information:	Battery Type:	Rechargeable Li-ion	
	Battery Model:	HB436486ECW	
	Rated capacity:	3900mAh	
	Nominal Voltage:	+3.82V	
	Charging Voltage:	+4.40V	
	Manufacture	HuaweiTechnologies Co., Ltd. (Manufacturer: Desay)	
Battery 2 Information:	Battery Type:	Rechargeable Li-ion	
	Battery Model:	HB436486ECW	
	Rated capacity:	3900mAh	
	Nominal Voltage:	+3.82V	
	Charging Voltage:	+4.40V	
	Manufacture	HuaweiTechnologies Co., Ltd. (Manufacturer: Sunwoda)	
Headset Information1#:	Model:	MEMD1632B580C00	
	Manufacturer:	Jiangxi Lianchuang Hongsheng Electronic Co. ,LTD	
Headset Information2#:	Model:	EMC309-001	
	Manufacturer:	MERRY ELECTRONICS (SHENZHEN) CO., LTD.	
Headset Information3#:	Model:	1311-3291-3.5mm-229	
	Manufacturer:	Boluo County Quancheng Electronic Co.,ltd	

Remark:
The model HMA-L29 and HMA-L09 are identical except for HMA-L09 support single SIM card which deleted by software.

Note:According to the difference description above, full test is performed on HMA-L29. The model HMA-L09 shares the same test data of HMA-L29 for the same frequency bands and operation modes.

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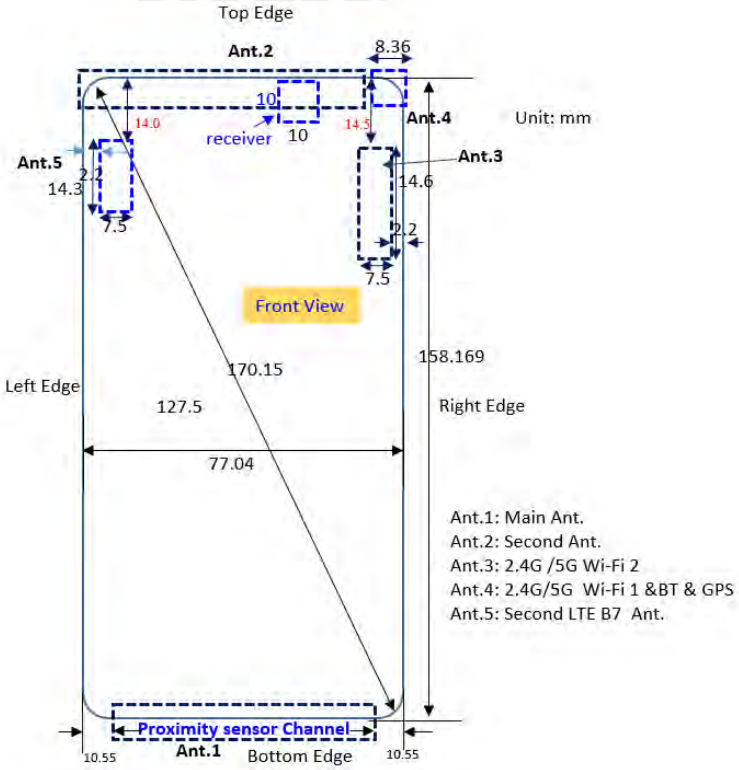
1.3.1 DUT Antenna Locations



The test device is a mobile phone. The display diagonal dimension is 16.2 cm and the overall diagonal dimension of this device is 17.015 cm.

According to the distance between LTE/WCDMA/GSM&WIFI&BT 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 WIFI2&5G WIFI2 Ant.)	Yes	Yes	No	Yes	Yes	No
Ant.4(2.4G WIFI1&5G WIFI1&BT&GPS Ant.)	Yes	Yes	No	Yes	Yes	No
Ant.5(Second LTE B7 Ant.)	Yes	Yes	Yes	No	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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1.3.2 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.

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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1.3.3 Power reduction specification

1.3.3.1 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

1) 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.

2) 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.

3) A fixed level power reduction is applied for some frequency bands when handset operate "held to the ear" condition, the power reduction triggered by audio receiver detection. The audio receiver detection is used to determine head or body scenario.

4) The proximity sensor is used to indicate when the device is held close to a user's body exposure condition. It utilizes the proximity sensor to reduce the output power in specific wireless and operating modes of main antenna to ensure SAR compliance(Refer to section 5.4 for detailed proximity Sensor information and validation data per KDB 616217).

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 Level Amount (dBm)											
Band	WCDMA Band II	WCDMA Band IV	WCDMA Band V	LTE B2	LTE B4	LTE B5	LTE B7	LTE B17	LTE B26	LTE B38	LTE B41
Receiver on(head)	2.0	1.5	0.5	1.5	2.5	2.0	6.0	4.5	5.5	4.5	3.5
Receiver off (Body Scene)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Receiver on+WiFi on	5.5	1.5	0.5	4.0	2.5	2.0	8.5	4.5	5.5	7.0	6.0
Receiver off(body)+WiFi on	3.5	0.0	0.0	2.5	0.0	0.0	2.5	0.0	0.0	2.5	2.5

Main antenna Power Reduction Level Amount (dBm)								
Band	GSM 1900	WCDMA Band II	WCDMA Band IV	LTE B2	LTE B4	LTE B7	LTE B38	LTE B41
Head scene(receiver on)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Body Scene(0mm SAR sensor on Level D1）	1.0	3.5	4.0	3.5	4.5	3.0	1.5	1.5
Receiver off+SAR Sensor on Level D2+wifi hotspot off	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0
Wifi Hotspot on(10mm SAR sensor off)	4.5	6.5	4.7	6.0	6.5	3.0	1.5	1.5
SAR sensor on+Wifi Hotspot on	5.5	10.0	7.7	9.5	11.0	6.0	3.0	3.0

WiFi antenna Power Reduction Level Amount (dBm)				
Band	WiFi 2.4G		WiFi 5G	
	Wifi1	Wifi2	Wifi1	Wifi2
Receiver off(Body Scene)	0.00	0.00	0.00	0.00
Receiver on(Head)	0.00	0.00	5.51	5.01

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1.3.3.2 Power reduction by contry code detection mechanism

This device uses the mobile country code (MCC) to indicate whether the users in CE countries or FCC countries. The selection between CE countries and FCC countries power levels is based on the country code detection mechanism. It can determine the countries where users are and set the relevant power level for WiFi antennas accordingly.

Antenna	MCC OF CE COUNTRY (CE standard)	MCC OF FCC COUNTRY (FCC standard)
WiFi 5G Ant 1	Power Level A1	Power Level B1
WiFi 5G Ant 2	Power Level A2	Power Level B2

For FCC SAR test: Standalone FCC SAR of Wifi 5G is evaluated at power level B1&B2;(FCC mobile country code)

The following tables summerize the key power reduction information. The detailed full power and reduced conducted power measurement results are provided in section 8.1 of this report:

WiFi antenna Power Reduction Level Amount (dBm)			
Band	Receiver on		Receiver off All mode
	MCC of CE countries	MCC of FCC countries	
WiFi 5G 802.11a Ant1	2.51	5.51	0.00
WiFi 5G 802.11a Ant2	2.01	5.01	
WiFi 5G 802.11n/11ac 20M Ant1	2.50	5.50	
WiFi 5G 802.11n/11ac 20M Ant2	2.00	5.00	
WiFi 5G 802.11n/11ac 40M Ant1	2.50	5.50	
WiFi 5G 802.11n/11ac 40M Ant2	2.00	5.00	
WiFi 5G 802.11ac 80M Ant1	0.00	0.00	
WiFi 5G 802.11ac 80M Ant2	0.00	0.00	
WiFi 5G 802.11ac 160M Ant1	0.00	0.00	
WiFi 5G 802.11ac 160M Ant2	0.00	0.00	

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1.3.4 Downlink&Uplink LTE CA additional specification

The device supports downlink and uplink LTE Carrier Aggregation (CA). When carrier aggregation applies, implementation and measurement details for the following are necessary.

a) Intra-band and inter-band carrier aggregation requirements for both uplink and downlink.

b) Support of contiguous and non-contiguous component carriers for intra-band aggregation requirements for downlink.

c) Support of contiguous component carriers for intra-band aggregation requirements for uplink.

The possible downlink and uplink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.101 V15.0.0. The conducted power measurement results of downlink and uplink LTE CA are provided in Section 8 of this report per 3GPP TS 36.521-1 V14.4.0. According to KDB 941225 D05A, the downlink LTE CA SAR test is not required and PAG requirements can be excluded.

SAR test procedure for intra-band contiguous UL LTE CA is as below:

1)Maximum output power is measured for each UL CA configuration for the required test channels described in KDB 941225 D05

- UL PCC configuration is determined by the required test channel

- SCC and subsequent CCs are added alternatively to either side of the PCC or within the transmission band for channels at the ends of a frequency band.

2)SAR for UL CA is required in each exposure condition and frequency band combination

3)For this device , as the maximum output for Intra-band uplink LTE CA is ≤ standalone LTE mode (without CA),

- PCC is configured according to the highest standalone SAR configuration tested.

- SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC

4)When the reported SAR for UL CA configuration, described above, is > 1.2 W/kg, UL CA SAR is also required for all required test channels (PCC based)

5)UL CA SAR is also required for standalone SAR configurations > 1.2 W/kg when they are scaled to the UL CA power level.

Intra-band contiguous CA operating bands:

E-UTRA CA Band	E-UTRA Band	Uplink (UL) operating band			Downlink (DL) operating band			Duplex Mode
		BS receive / UE transmit			BS transmit / UE receive			
		F_{UL_low} – F_{UL_high}			F_{DL_low} – F_{DL_high}			
CA_2	2	1850 MHz	–	1910 MHz	1930 MHz	–	1990 MHz	FDD
CA_5	5	824 MHz		849 MHz	869 MHz		894 MHz	FDD
CA_7	7	2500 MHz	–	2570 MHz	2620 MHz	–	2690 MHz	FDD
CA_12	12	699 MHz		716 MHz	729 MHz		746 MHz	FDD
CA_38	38	2570 MHz	–	2620 MHz	2570 MHz	–	2620 MHz	TDD
CA_41	41	2496 MHz	–	2690 MHz	2496 MHz	–	2690 MHz	TDD

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intra-band contiguous CA

	E-UTRA CA configuration / Bandwidth combination set						
E-UTRA CA configuration	Uplink CA configurations (NOTE 3)	Component carriers in order of increasing carrier frequency				Maximum aggregated bandwidth [MHz]	Bandwidth combination set
		Channel bandwidths for carrier [MHz]	Channel bandwidths for carrier [MHz]	Channel bandwidths for carrier [MHz]	Channel bandwidths for carrier [MHz]		
CA_2C		5	20			40	0
		10	15, 20				
		15	10, 15, 20				
		20	5, 10, 15, 20				
CA_5B	CA_5B	5, 10	10			20	0
		10	5				
CA_7C	CA_7C	15	15			40	0
		20	20				
		10	20			40	1
		15	15, 20				
		20	10, 15, 20				
		15	10, 15			40	2
		20	15, 20				
CA_12B		5	5, 10			15	0
CA_38C	CA_38C	15	15			40	0
		20	20				
CA_41C	CA_41C	10	20			40	0
		15	15, 20				
		20	10, 15, 20				
		5, 10	20			40	1
		15	15, 20				
		20	5, 10, 15, 20				
		10	15, 20			40	2
		15	10, 15, 20				
		20	10, 15, 20				
		10	20			40	3
		20	20				
CA_41D	CA_41C	10	20	15		60	0
		10	15, 20	20			
		15	20	10, 15			
		15	10, 15, 20	20			
		20	15, 20	10			
		20	10, 15, 20	15, 20			

NOTE 1: The CA configuration refers to an operating band and a CA bandwidth class specified in Table 5.6A-1 (the indexing letter). Absence of a CA bandwidth class for an operating band implies support of all classes.
NOTE 2: For the supported CC bandwidth combinations, the CC downlink and uplink bandwidths are equal.
NOTE 3: Uplink CA configurations are the configurations supported by the present release of specifications.

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Test frequencies for CA_2C

Range	CC-Combo / N_{RB_agg} [RB]	CC1 Note1					CC2 Note1				
		BW [RB]	N_{UL}	f_{UL} [MHz]	N_{DL}	f_{DL} [MHz]	BW [RB]	N_{UL}	f_{UL} [MHz]	N_{DL}	f_{DL} [MHz]
Low	25+100	25	18633	1853.3	633	1933.3	100	18750	1865	750	1945
		100	18700	1860	700	1940	25	18817	1871.7	817	1951.7
	50+75	50	18653	1855.3	653	1935.3	75	18773	1867.3	773	1947.3
		75	18675	1857.5	675	1937.5	50	18795	1869.5	795	1949.5
	50+100	50	18655	1855.5	655	1935.5	100	18799	1869.9	799	1949.9
		100	18700	1860	700	1940	50	18844	1874.4	844	1954.4
	75+75	75	18675	1857.5	675	1937.5	75	18825	1872.5	825	1952.5
	75+100	75	18678	1857.8	678	1937.8	100	18849	1874.9	849	1954.9
		100	18700	1860	700	1940	75	18871	1877.1	871	1957.1
	100+100	100	18700	1860	700	1940	100	18898	1879.8	898	1959.8
Mid	25+100	25	18808	1870.8	808	1950.8	100	18925	1882.5	925	1962.5
		100	18875	1877.5	875	1957.5	25	18992	1889.2	992	1969.2
	50+75	50	18829	1872.9	829	1952.9	75	18949	1884.9	949	1964.9
		75	18851	1875.1	851	1955.1	50	18971	1887.1	971	1967.1
	50+100	50	18806	1870.6	806	1950.6	100	18950	1885	950	1965
		100	18851	1875.1	851	1955.1	50	18995	1889.5	995	1969.5
	75+75	75	18825	1872.5	825	1952.5	75	18975	1887.5	975	1967.5
	75+100	75	18803	1870.3	803	1950.3	100	18974	1887.4	974	1967.4
		100	18826	1872.6	826	1952.6	75	18997	1889.7	997	1969.7
	100+100	100	18801	1870.1	801	1950.1	100	18999	1889.9	999	1969.9
High	25+100	25	18983	1888.3	983	1968.3	100	19100	1900	1100	1980
		100	19050	1895	1050	1975	25	19167	1906.7	1167	1986.7
	50+75	50	19005	1890.5	1005	1970.5	75	19125	1902.5	1125	1982.5
		75	19027	1892.7	1027	1972.7	50	19147	1904.7	1147	1984.7
	50+100	50	18956	1885.6	956	1965.6	100	19100	1900	1100	1980
		100	19001	1890.1	1001	1970.1	50	19145	1904.5	1145	1984.5
	75+75	75	18975	1887.5	975	1967.5	75	19125	1902.5	1125	1982.5
	75+100	75	18929	1882.9	929	1962.9	100	19100	1900	1100	1980
		100	18951	1885.1	951	1965.1	75	19122	1902.2	1122	1982.2
	100+100	100	18902	1880.2	902	1960.2	100	19100	1900	1100	1980

Note 1: Carriers in increasing frequency order.

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Test frequencies for CA_5B

Range	CC-Combo / N_{RB_agg} [RB]	CC1 Note1					CC2 Note1				
		BW [RB]	N_{UL}	f_{UL} [MHz]	N_{DL}	f_{DL} [MHz]	BW [RB]	N_{UL}	f_{UL} [MHz]	N_{DL}	f_{DL} [MHz]
Low	25+50	25	20428	826.8	2428	871.8	50	20500	834	2500	879
	50+25	50	20450	829	2450	874	25	20522	836.2	2522	881.2
	50+50	50	20450	829	2450	874	50	20549	838.9	2549	883.9
Mid	25+50	25	20478	831.8	2478	876.8	50	20550	839	2550	884
	50+25	50	20500	834	2500	879	25	20572	841.2	2572	886.2
	50+50	50	20476	831.6	2476	876.6	50	20575	841.5	2575	886.5
High	25+50	25	20528	836.8	2528	881.8	50	20600	844	2600	889
	50+25	50	20550	839	2550	884	25	20622	846.2	2622	891.2
	50+50	50	20501	834.1	2501	879.1	50	20600	844	2600	889
Note 1: Carriers in increasing frequency order.											

Test frequencies for CA_7C

Range	CC-Combo / N_{RB_agg} [RB]	CC1 Note1					CC2 Note1				
		BW [RB]	N_{UL}	f_{UL} [MHz]	N_{DL}	f_{DL} [MHz]	BW [RB]	N_{UL}	f_{UL} [MHz]	N_{DL}	f_{DL} [MHz]
Low	50+100	50	20805	2505.5	2805	2625.5	100	20949	2519.9	2949	2639.9
		100	20850	2510	2850	2630	50	20994	2524.4	2994	2644.4
	75+75	75	20825	2507.5	2825	2627.5	75	20975	2522.5	2975	2642.5
	75+100	75	20828	2507.8	2828	2627.8	100	20999	2524.9	2999	2644.9
		100	20850	2510	2850	2630	75	21021	2527.1	3021	2647.1
	100+100	100	20850	2510	2850	2630	100	21048	2529.8	3048	2649.8
Mid	50+100	50	21006	2525.6	3006	2645.6	100	21150	2540	3150	2660
		100	21051	2530.1	3051	2650.1	50	21195	2544.5	3195	2664.5
	75+75	75	21025	2527.5	3025	2647.5	75	21175	2542.5	3175	2662.5
	75+100	75	21003	2525.3	3003	2645.3	100	21174	2542.4	3174	2662.4
		100	21026	2527.6	3026	2647.6	75	21197	2544.7	3197	2664.7
	100+100	100	21001	2525.1	3001	2645.1	100	21199	2544.9	3199	2664.9
High	50+100	50	21206	2545.6	3206	2665.6	100	21350	2560	3350	2680
		100	21251	2550.1	3251	2670.1	50	21395	2564.5	3395	2684.5
	75+75	75	21225	2547.5	3225	2667.5	75	21375	2562.5	3375	2682.5
	75+100	75	21179	2542.9	3179	2662.9	100	21350	2560	3350	2680
		100	21201	2545.1	3201	2665.1	75	21372	2562.2	3372	2682.2
	100+100	100	21152	2540.2	3152	2660.2	100	21350	2560	3350	2680
Note 1: Carriers in increasing frequency order.											

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Test frequencies for CA_12B

Range	CC-Combo / NRB_agg [RB]	CC1 Note1					CC2 Note1				
		BW [RB]	N_{UL}	f_{UL} [MHz]	N_{DL}	f_{DL} [MHz]	BW [RB]	N_{UL}	f_{UL} [MHz]	N_{DL}	f_{DL} [MHz]
Low	25+25	25	23035	701.5	5035	731.5	25	23083	706.3	5083	736.3
	25+50	25	23035	701.5	5035	731.5	50	23107	708.7	5107	738.7
Mid	25+25	25	23070	705	5070	735	25	23118	709.8	5118	739.8
	25+50	25	23045	702.5	5045	732.5	50	23117	709.7	5117	739.7
High	25+25	25	23107	708.7	5107	738.7	25	23155	713.5	5155	743.5
	25+50	25	23058	703.8	5058	733.8	50	23130	711	5130	741
Note 1: Carriers in increasing frequency order.											

Test frequencies for CA_38C

Range	CC-Combo / N_{RB_agg} [RB]	CC1 Note1			CC2 Note1		
		BW [RB]	$N_{UL/DL}$	$f_{UL/DL}$ [MHz]	BW [RB]	$N_{UL/DL}$	$f_{UL/DL}$ [MHz]
Low	75+75	75	37825	2577.5	75	37975	2592.5
	100+100	100	37850	2580	100	38048	2599.8
Mid	75+75	75	37925	2587.5	75	38075	2602.5
	100+100	100	37901	2585.1	100	38099	2604.9
High	75+75	75	38025	2597.5	75	38175	2612.5
	100+100	100	37952	2590.2	100	38150	2610
Note 1: Carriers in increasing frequency order.							

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Test frequencies for CA_41C

Range	CC-Combo / NRB_agg [RB]	CC1 Note1			CC2 Note1		
		BW [RB]	$N_{UL/DL}$	$f_{UL/DL}$ [MHz]	BW [RB]	$N_{UL/DL}$	$f_{UL/DL}$ [MHz]
Low	25+100	25	39683	2499.3	100	39800	2511
		100	39750	2506	25	39867	2517.7
	50+100	50	39703	2501.3	75	39823	2513.3
		75	39725	2503.5	50	39845	2515.5
	75+75	50	39705	2501.5	100	39849	2515.9
	75+100	100	39750	2506	50	39894	2520.4
		75	39725	2503.5	75	39875	2518.5
	100+100	75	39728	2503.8	100	39899	2520.9
Mid	25+100	100	39750	2506	75	39921	2523.1
		100	39750	2506	100	39948	2525.8
	50+100	25	40528	2583.8	100	40645	2595.5
		100	40595	2590.5	25	40712	2602.2
	75+75	50	40549	2585.9	75	40669	2597.9
	75+100	75	40571	2588.1	50	40691	2600.1
		50	40526	2583.6	100	40670	2598.0
	100+100	100	40571	2588.1	50	40715	2602.5
High	25+100	75	40545	2585.5	75	40695	2600.5
		75	40523	2583.3	100	40694	2600.4
	50+100	100	40546	2585.6	75	40717	2602.7
		100	40521	2583.1	100	40719	2602.9
	75+75	25	41373	2668.3	100	41490	2680
	75+100	100	41440	2675	25	41557	2686.7
		50	41395	2670.5	75	41515	2682.5
	100+100	75	41417	2672.7	50	41537	2684.7

Note 1: Carriers in increasing frequency order.

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Test frequencies for CA_41D

Range	CC-Combo / N_{RB_agg} [RB]	CC1 Note1			CC2 Note1			CC3 Note1		
		BW [RB]	$N_{UL/DL}$	$f_{UL/DL}$ [MHz]	BW [RB]	$N_{UL/DL}$	$f_{UL/DL}$ [MHz]	BW [RB]	$N_{UL/DL}$	$f_{UL/DL}$ [MHz]
Low	50+75+100	50	39705	2501.5	75	39825	2513.5	100	39996	2530.6
		50	39705	2501.5	100	39849	2515.9	75	40020	2533
		75	39728	2503.8	50	39848	2515.8	100	39992	2530.2
		75	39728	2503.8	100	39899	2520.9	50	40043	2535.3
		100	39750	2506	50	39894	2520.4	75	40014	2532.4
		100	39750	2506	75	39921	2523.1	50	40041	2535.1
	50+100+100	50	39705	2501.5	100	39849	2515.9	100	40047	2535.7
		100	39750	2506	50	39894	2520.4	100	40038	2534.8
		100	39750	2506	100	39948	2525.8	50	40092	2540.2
	75+75+100	75	39728	2503.8	75	39878	2518.8	100	40049	2535.9
		75	39728	2503.8	100	39899	2520.9	75	40070	2538
		100	39750	2506	75	39921	2523.1	75	40071	2538.1
	75+100+100	75	39728	2503.8	100	39899	2520.9	100	40097	2540.7
		100	39750	2506	75	39921	2523.1	100	40092	2540.2
		100	39750	2506	100	39948	2525.8	75	40119	2542.9
	100+100+100	100	39750	2506	100	39948	2525.8	100	40146	2545.6
Mid	50+75+100	50	40452	2576.2	75	40572	2588.2	100	40743	2605.3
		50	40451	2576.1	100	40595	2590.5	75	40766	2607.6
		75	40477	2578.7	50	40597	2590.7	100	40741	2605.1
		75	40474	2578.4	100	40645	2595.5	50	40789	2609.9
		100	40499	2580.9	50	40643	2595.3	75	40763	2607.3
		100	40497	2580.7	75	40668	2597.8	50	40788	2609.8
	50+100+100	50	40427	2573.7	100	40571	2588.1	100	40769	2607.9
		100	40476	2578.6	50	40620	2593	100	40764	2607.4
		100	40472	2578.2	100	40670	2598	50	40814	2612.4
	75+75+100	75	40448	2575.8	75	40598	2590.8	100	40769	2607.9
		75	40449	2575.9	100	40620	2593	75	40791	2610.1
		100	40471	2578.1	75	40642	2595.2	75	40792	2610.2
	75+100+100	75	40424	2573.4	100	40595	2590.5	100	40793	2610.3
		100	40449	2575.9	75	40620	2593	100	40791	2610.1
		100	40447	2575.7	100	40645	2595.5	75	40816	2612.6
	100+100+100	100	40422	2573.2	100	40620	2593	100	40818	2612.8
High	50+75+100	50	41199	2650.9	75	41319	2662.9	100	41490	2680
		50	41197	2650.7	100	41341	2665.1	75	41512	2682.2
		75	41226	2653.6	50	41346	2665.6	100	41490	2680
		75	41220	2653	100	41391	2670.1	50	41535	2684.5
		100	41248	2655.8	50	41392	2670.2	75	41512	2682.2
		100	41244	2655.4	75	41415	2672.5	50	41535	2684.5
	50+100+100	50	41148	2645.8	100	41292	2660.2	100	41490	2680
		100	41202	2651.2	50	41346	2665.6	100	41490	2680
		100	41193	2650.3	100	41391	2670.1	50	41535	2684.5
	75+75+100	75	41169	2647.9	75	41319	2662.9	100	41490	2680
		75	41170	2648	100	41341	2665.1	75	41512	2682.2
		100	41191	2650.1	75	41362	2667.2	75	41512	2682.2
	75+100+100	75	41121	2643.1	100	41292	2660.2	100	41490	2680
		100	41148	2645.8	75	41319	2662.9	100	41490	2680
		100	41143	2645.3	100	41341	2665.1	75	41512	2682.2
	100+100+100	100	41094	2640.4	100	41292	2660.2	100	41490	2680

Note 1: Carriers in increasing frequency order.

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E-UTRA CA Configuration	E-UTRA Bands	1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	Maximum aggregated bandwidth [MHz]	Bandwidth combination set
CA_2A-5A	2			Yes	Yes	Yes	Yes	30	0
	5			Yes	Yes				
	2			Yes	Yes			20	1
	5			Yes	Yes				
CA_2A-12A	2			Yes	Yes	Yes	Yes	30	0
	12			Yes	Yes				
	2			Yes	Yes	Yes	Yes	30	1
	12		Yes	Yes	Yes				
	2			Yes	Yes			20	2
	12			Yes	Yes				
CA_2A-12B	2			Yes	Yes	Yes	Yes	35	0
	12	See CA_12B Bandwidth Combination Set 0 in table 5.4.2A.1-1							
CA_2A-17A	2			Yes	Yes			20	0
	17			Yes	Yes				
	8			Yes	Yes				
	3			Yes	Yes	Yes	Yes	30	2
	8		Yes	Yes	Yes				
	3			Yes	Yes	Yes	Yes	30	3
	8			Yes	Yes				
CA_4A-5A	4			Yes	Yes			20	0
	5			Yes	Yes				
	4			Yes	Yes	Yes	Yes	30	1
	5			Yes	Yes				
CA_4A-12A	4	Yes	Yes	Yes	Yes			20	0
	12			Yes	Yes				
	4	Yes	Yes	Yes	Yes	Yes	Yes	30	1
	12			Yes	Yes				
	4			Yes	Yes	Yes	Yes	30	2
	12		Yes	Yes	Yes				
	4			Yes	Yes			20	3
	12			Yes	Yes				
	4			Yes	Yes	Yes	Yes	30	4
	12			Yes	Yes				
	4			Yes	Yes	Yes		20	5
	12			Yes					
CA_4A-12B	4			Yes	Yes	Yes	Yes	35	0
	12	See CA_12B Bandwidth Combination Set 0 in Table 5.4.2A.1-1							
CA_4A-17A	4			Yes	Yes			20	0
	17			Yes	Yes				
	28			Yes	Yes	Yes	Yes		
CA_5A-7A	5	Yes	Yes	Yes	Yes			30	0
	7				Yes	Yes	Yes		
	5			Yes	Yes			30	1
	7				Yes	Yes	Yes		
CA_7A-12A	7			Yes	Yes	Yes	Yes	30	0
	12			Yes	Yes				

inter-band CA (two bands)

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1.4 Test Specification

Identity	Document Title
FCC 47CFR §2.1093	Radiofrequency Radiation Exposure Evaluation: Portable Devices
IEEE Std C95.1 – 1991	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
KDB 616217 D04 v01r02	SAR for laptop and tablets
KDB690783 D01	SAR Listings on Grants v01r03

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1.5 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°C, Max. = 25 °C
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

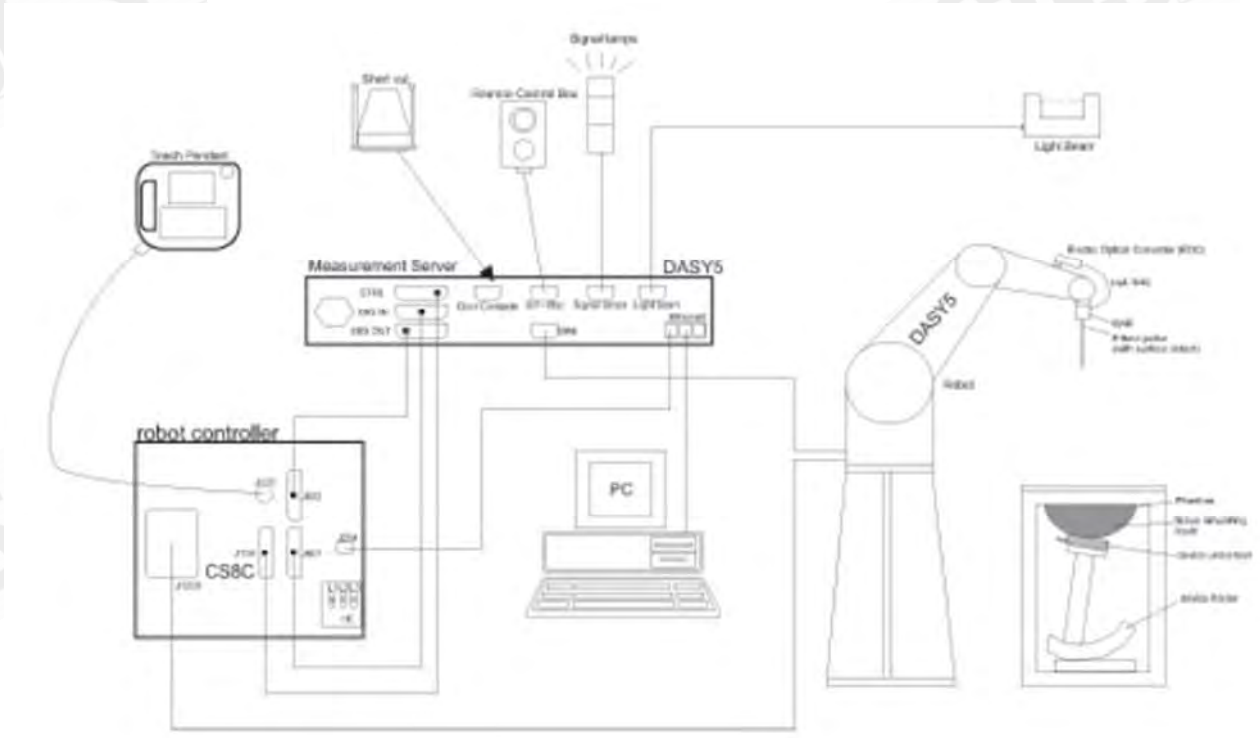
This SAR Measurement System uses a Computer-controlled 3-D stepper motor system (SPEAG DASY5 professional system). A E-field probe is used to determine the internal electric fields. The SAR can be obtained from the equation SAR= σ (|Ei|2)/ ρ where σ and ρ are the conductivity and mass density of the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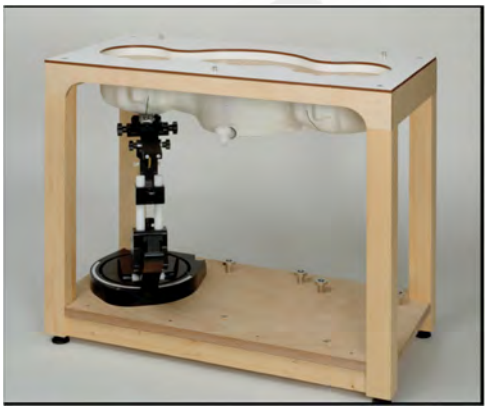
3.3 Data Acquisition Electronics (DAE)

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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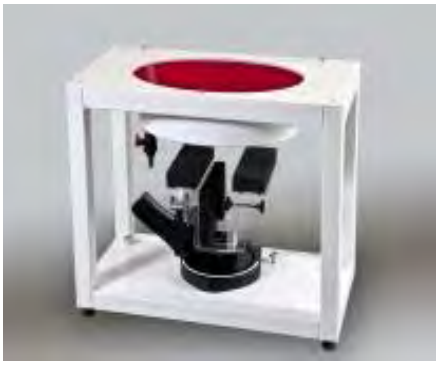
3.5 ELI Phantom

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	$½\cdot\delta\cdot\ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 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	$\leq 1.5\cdot\Delta z_{Zoom}(n-1)$	
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)

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

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.

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

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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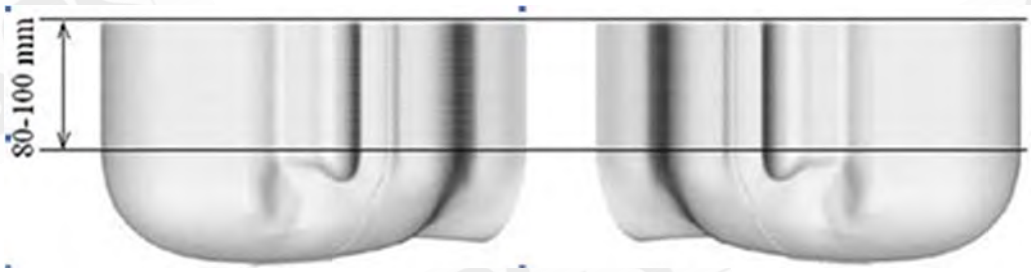
5 Description of Test Position

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)

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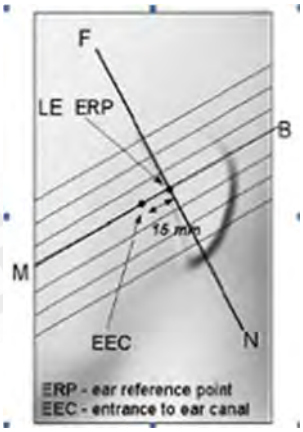
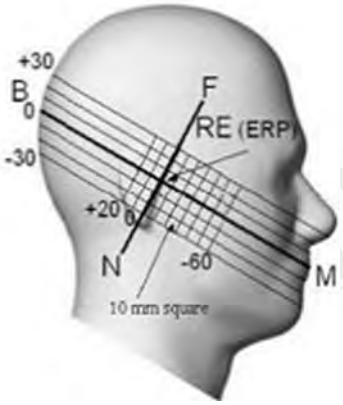
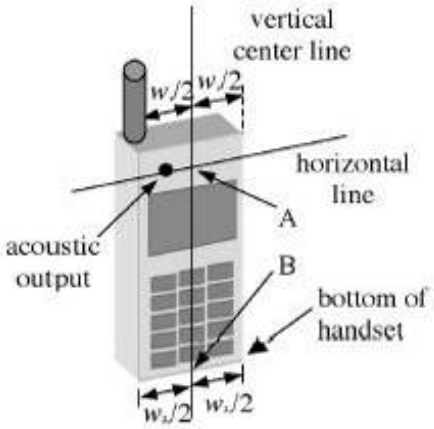


F-5. Close-up side view of phantom, showing the ear region, N-F and B-M lines, and seven cross-sectional plane locations

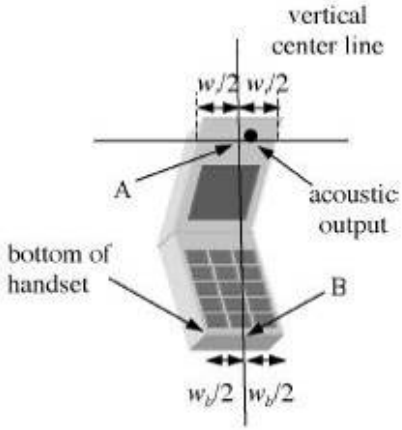


F-6. Side view of the phantom showing relevant markings and seven cross-sectional plane locations

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”

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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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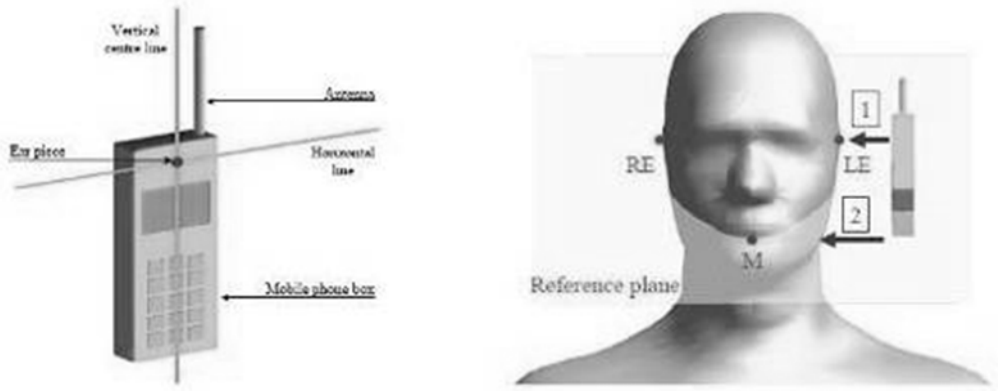
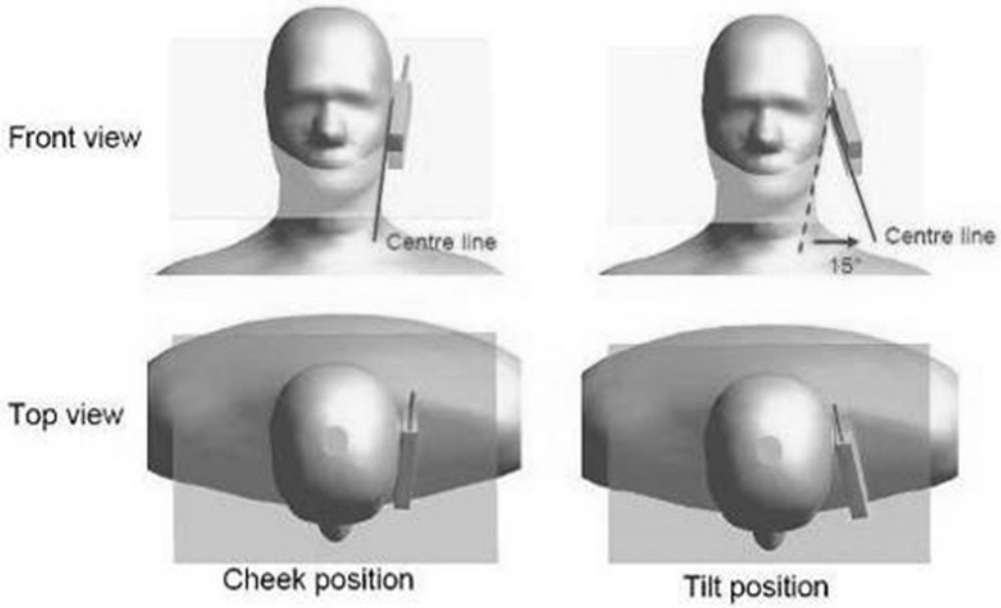
5.1.4 Definition of the “tilted” position

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

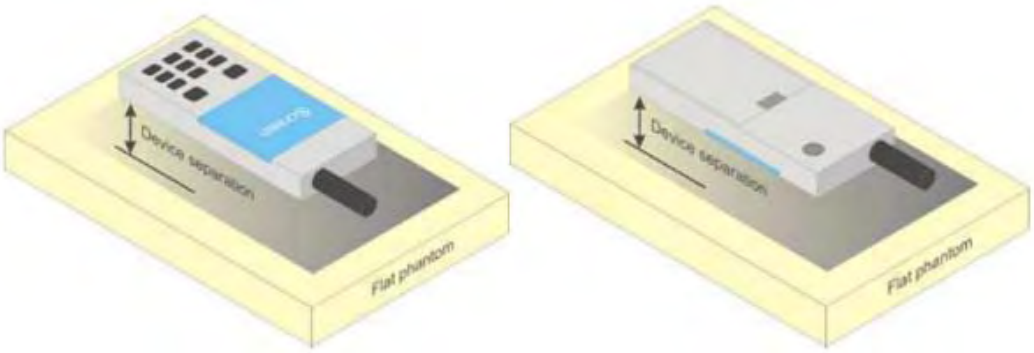
5.2.1 Body-worn accessory exposure conditions

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.
1) GSM1900

Ant1 Test data										
Test position of Hotspot with 10mm	**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)**	**Product Specific 10-g SAR SAR Exclusion**
Test data with Battery 1#										
Front side	GPRS 2TS	661/1880	1:4.15	0.173	0.02	21.78	28.00	4.188	0.725	Yes
Back side	GPRS 2TS	661/1880	1:4.15	0.293	0.02	21.78	28.00	4.188	1.227	No
Left side	GPRS 2TS	661/1880	1:4.15	0.023	0.05	21.78	28.00	4.188	0.096	Yes
Right side	GPRS 2TS	661/1880	1:4.15	0.020	0.05	21.78	28.00	4.188	0.085	Yes
Bottom side	GPRS 2TS	661/1880	1:4.15	0.546	0.06	21.78	28.00	4.188	**2.287**	No
Test Data at the worst case with SIM2										
Bottom side	GPRS 2TS	661/1880	1:4.15	0.518	-0.02	21.78	28.00	4.188	2.169	No
Test Data at the worst case with Battery 2#										
Bottom side	GPRS 2TS	661/1880	1:4.15	0.479	-0.12	21.78	28.00	4.188	2.006	No

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2) WCDMA Band II

Ant1 Test data										
Test position of Hotspot with 10mm	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)	Product Specific 10-g SAR SAR Exclusion
Test data with Battery 1#										
Front side	RMC	9400/1880	1:1	0.187	0.15	17.21	25.00	6.012	1.124	Yes
Back side	RMC	9400/1880	1:1	0.341	0.07	17.21	25.00	6.012	2.050	No
Left side	RMC	9400/1880	1:1	0.026	0.19	17.21	25.00	6.012	0.157	Yes
Right side	RMC	9400/1880	1:1	0.023	-0.06	17.21	25.00	6.012	0.136	Yes
Bottom side	RMC	9400/1880	1:1	0.592	0.12	17.21	25.00	6.012	3.559	No
Test Data at the worst case with SIM2										
Bottom side	RMC	9400/1880	1:1	0.585	-0.03	17.21	25.00	6.012	3.517	No
Test Data at the worst case with Battery 2#										
Bottom side	RMC	9400/1880	1:1	0.573	0.11	17.21	25.00	6.012	3.445	No

3) WCDMA Band IV

Ant1 Test data										
Test position of Hotspot with 10mm	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)	Product Specific 10-g SAR SAR Exclusion
Test data with Battery 1#										
Front side	RMC	1412/1732.4	1:1	0.277	0.03	19.15	25.00	3.846	1.065	Yes
Back side	RMC	1412/1732.4	1:1	0.506	0.02	19.15	25.00	3.846	1.946	No
Left side	RMC	1412/1732.4	1:1	0.029	0.07	19.15	25.00	3.846	0.112	Yes
Right side	RMC	1412/1732.4	1:1	0.038	0.05	19.15	25.00	3.846	0.146	Yes
Bottom side	RMC	1412/1732.4	1:1	0.690	0.02	19.15	25.00	3.846	2.654	No
Bottom side	RMC	1312/1712.4	1:1	0.581	-0.04	19.13	25.00	3.864	2.245	No
Bottom side	RMC	1513/1752.6	1:1	0.814	0.01	19.20	25.00	3.802	3.095	No
Bottom side Repeat	RMC	1513/1752.6	1:1	0.780	-0.17	19.20	25.00	3.802	2.965	No
Test Data at the worst case with SIM2										
Bottom side	RMC	1513/1752.6	1:1	0.789	0.08	19.20	25.00	3.802	3.000	No
Test Data at the worst case with Battery 2#										
Bottom side	RMC	1513/1752.6	1:1	0.800	-0.07	19.20	25.00	3.802	3.042	No

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4) LTE Band 2

Test position of Hotspot with 10mm	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)	Product Specific 10-g SAR SAR Exclusion
Test data with Battery 1# (1RB_0 offset)											
Front side	20	QPSK 1RB_0	18700/1860	1:1	0.211	0.00	17.48	25.00	5.649	1.192	Yes
Back side	20	QPSK 1RB_0	18700/1860	1:1	0.385	0.09	17.48	25.00	5.649	2.175	No
Left side	20	QPSK 1RB_0	18700/1860	1:1	0.029	0.01	17.48	25.00	5.649	0.165	Yes
Right side	20	QPSK 1RB_0	18700/1860	1:1	0.028	0.01	17.48	25.00	5.649	0.157	Yes
Bottom side	20	QPSK 1RB_0	18700/1860	1:1	0.538	-0.02	17.48	25.00	5.649	**3.039**	No
Test data with Battery 1# (50%RB_0 offset)											
Front side	20	QPSK 50RB_0	18700/1860	1:1	0.204	0.02	17.33	24.00	4.645	0.948	Yes
Back side	20	QPSK 50RB_0	18700/1860	1:1	0.371	0.03	17.33	24.00	4.645	1.723	No
Left side	20	QPSK 50RB_0	18700/1860	1:1	0.028	0.10	17.33	24.00	4.645	0.130	Yes
Right side	20	QPSK 50RB_0	18700/1860	1:1	0.028	0.06	17.33	24.00	4.645	0.128	Yes
Bottom side	20	QPSK 50RB_0	18700/1860	1:1	0.491	-0.02	17.33	24.00	4.645	2.281	No
Test Data at the worst case with SIM2											
Bottom side	20	QPSK 1RB_0	18700/1860	1:1	0.477	0.00	17.48	25.00	5.649	2.695	No
Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK 1RB_0	18700/1860	1:1	0.511	-0.01	17.48	25.00	5.649	2.887	No

5) LTE Band 4

Test position of Hotspot with 10mm	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)	Product Specific 10-g SAR SAR Exclusion
Test data with Battery 1# (1RB_0 offset)											
Front side	20	QPSK 1RB_99	20300/1745	1:1	0.196	0.06	17.40	25.20	6.026	1.181	Yes
Back side	20	QPSK 1RB_99	20300/1745	1:1	0.333	0.06	17.40	25.20	6.026	2.007	No
Left side	20	QPSK 1RB_99	20300/1745	1:1	0.020	0.05	17.40	25.20	6.026	0.121	Yes
Right side	20	QPSK 1RB_99	20300/1745	1:1	0.029	0.07	17.40	25.20	6.026	0.175	Yes
Bottom side	20	QPSK 1RB_99	20300/1745	1:1	0.510	0.07	17.40	25.20	6.026	**3.073**	No
Test data with Battery 1# (50%RB_0 offset)											
Front side	20	QPSK 50RB_0	20175/1732.5	1:1	0.191	0.04	17.38	23.70	4.285	0.819	Yes
Back side	20	QPSK 50RB_0	20175/1732.5	1:1	0.309	0.06	17.38	23.70	4.285	1.324	No
Left side	20	QPSK 50RB_0	20175/1732.5	1:1	0.016	0.04	17.38	23.70	4.285	0.069	Yes
Right side	20	QPSK 50RB_0	20175/1732.5	1:1	0.025	0.09	17.38	23.70	4.285	0.107	Yes
Bottom side	20	QPSK 50RB_0	20175/1732.5	1:1	0.444	-0.09	17.38	23.70	4.285	1.903	No
Test Data at the worst case with SIM2											
Bottom side	20	QPSK 1RB_99	20300/1745	1:1	0.508	0.06	17.40	25.20	6.026	3.061	No
Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK 1RB_99	20300/1745	1:1	0.524	0.19	17.40	25.20	6.026	**3.157**	No

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6) LTE Band 7

Test position of Hotspot with 10mm	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)	Product Specific 10-g SAR SAR Exclusion
Test data with Battery 1# (1RB_0 offset)											
Front side	20	QPSK 1RB_99	21100/2535.5	1:1	0.307	-0.19	20.27	24.70	2.773	0.851	Yes
Back side	20	QPSK 1RB_99	21100/2535.5	1:1	0.382	0.04	20.27	24.70	2.773	1.059	Yes
Left side	20	QPSK 1RB_99	21100/2535.5	1:1	0.194	-0.01	20.27	24.70	2.773	0.538	Yes
Right side	20	QPSK 1RB_99	21100/2535.5	1:1	0.087	-0.02	20.27	24.70	2.773	0.240	Yes
Bottom side	20	QPSK 1RB_99	21100/2535.5	1:1	0.459	-0.01	20.27	24.70	2.773	**1.273**	No
Test data with Battery 1# (50%RB_0 offset)											
Front side	20	QPSK 50RB_0	20850/2510	1:1	0.321	-0.09	20.19	23.70	2.244	0.720	Yes
Back side	20	QPSK 50RB_0	20850/2510	1:1	0.428	0.14	20.19	23.70	2.244	0.960	Yes
Left side	20	QPSK 50RB_0	20850/2510	1:1	0.238	-0.12	20.19	23.70	2.244	0.534	Yes
Right side	20	QPSK 50RB_0	20850/2510	1:1	0.060	0.12	20.19	23.70	2.244	0.134	Yes
Bottom side	20	QPSK 50RB_0	20850/2510	1:1	0.425	0.04	20.19	23.70	2.244	0.954	Yes
Test Data at the worst case with SIM2											
Bottom side	20	QPSK 1RB_99	21100/2535.5	1:1	0.449	0.06	20.27	24.70	2.773	1.245	No
Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK 1RB_99	21100/2535.5	1:1	0.336	-0.05	20.27	24.70	2.773	0.932	Yes

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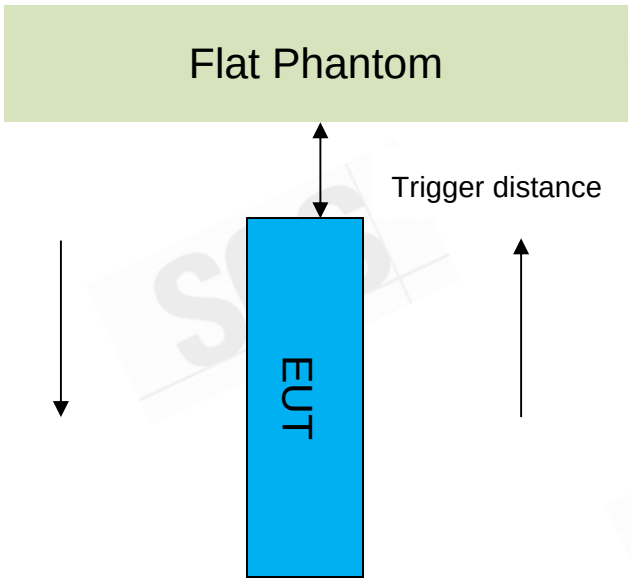
5.4 Proximity Sensor Triggering Test

1) Proximity sensor triggering distances

The Proximity sensor triggering was applied to GSM1900; WCDMA Band II/IV; LTE Band 2/4/7/38/41. 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	4(GSM1900, WCDMA Band II/IV, LTE B2/4/7/38/41) 9(LTE B7)	8(GSM1900, WCDMA Band II/IV, LTE B2/4/7/38/41) 15(LTE B7)	10(GSM1900, WCDMA Band II/IV, LTE B2/4/7/38/41) 19(LTE B7)
Required SAR Test	3(GSM1900, WCDMA Band II/IV, LTE B2/4/7/38/41) 8(LTE B7)	7(GSM1900, WCDMA Band II/IV, LTE B2/4/7/38/41) 14(LTE B7)	9(GSM1900, WCDMA Band II/IV, LTE B2/4/7/38/41) 18(LTE B7)

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Band	Test position	Sensor Trigger Distance range(DUT to Phantom)	Power reduction amount(dB)	Max Power level（dBm）	Note
GSM1900	Extremity SAR(bottom/front/back)	held by hand 0mm	1.0	29.0	level D1
	Bottom side	0<distance≤10mm	1.0	29.0	level D1
		10<distance≤19mm	0.0	30.0	level D2
		19<distance	0.0	30.0	level D3
	Back side	0<distance≤8mm	1.0	29.0	level D1
		8<distance≤15mm	0.0	30.0	level D2
		distance >15mm	0.0	30.0	level D3
	Front side	0<distance≤4mm	1.0	29.0	level D1
		4<distance≤9mm	0.0	30.0	level D2
		9<distance	0.0	30.0	level D3
	Left side	ALL	0.0	30.0	level D3
	Right side	ALL	0.0	30.0	level D3
	Top side	ALL	0.0	30.0	level D3
WCDMA B2	Extremity SAR(bottom/front/back)	held by hand 0mm	3.5	21.5	level D1
	Bottom side	0<distance≤10mm	3.5	21.5	level D1
		10<distance≤19mm	0.0	25.0	level D2
		19<distance	0.0	25.0	level D3
	Back side	0<distance≤8mm	3.5	21.5	level D1
		8<distance≤15mm	0.0	25.0	level D2
		distance >15mm	0.0	25.0	level D3
	Front side	0<distance≤4mm	3.5	21.5	level D1
		4<distance≤9mm	0.0	25.0	level D2
		9<distance	0.0	25.0	level D3
	Left side	ALL	0.0	25.0	level D3
	Right side	ALL	0.0	25.0	level D3
	Top side	ALL	0.0	25.0	level D3
WCDMA B4	Extremity SAR(bottom/front/back)	held by hand 0mm	4.0	21.0	level D1
	Bottom side	0<distance≤10mm	4.0	21.0	level D1
		10<distance≤19mm	0.0	25.0	level D2
		19<distance	0.0	25.0	level D3
	Back side	0<distance≤8mm	4.0	21.0	level D1
		8<distance≤15mm	0.0	25.0	level D2
		distance >15mm	0.0	25.0	level D3
	Front side	0<distance≤4mm	4.0	21.0	level D1
		4<distance≤9mm	0.0	25.0	level D2
		9<distance	0.0	25.0	level D3
	Left side	ALL	0.0	25.0	level D3
	Right side	ALL	0.0	25.0	level D3
	Top side	ALL	0.0	25.0	level D3
LTE B2	Extremity SAR(bottom/front/back)	held by hand 0mm	3.5	21.5	level D1
	Bottom side	0<distance≤10mm	3.5	21.5	level D1
		10<distance≤19mm	0.0	25.0	level D2
		19<distance	0.0	25.0	level D3
	Back side	0<distance≤8mm	3.5	21.5	level D1
		8<distance≤15mm	0.0	25.0	level D2
		distance >15mm	0.0	25.0	level D3
	Front side	0<distance≤4mm	3.5	21.5	level D1
		4<distance≤9mm	0.0	25.0	level D2
		9<distance	0.0	25.0	level D3
	Left side	ALL	0.0	25.0	level D3
	Right side	ALL	0.0	25.0	level D3
	Top side	ALL	0.0	25.0	level D3

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LTE B4	Extremity SAR(bottom/front/back)	held by hand 0mm	4.5	20.7	level D1
	Bottom side	0<distance≤10mm	4.5	20.7	level D1
		10<distance≤19mm	0.0	25.2	level D2
		19<distance	0.0	25.2	level D3
	Back side	0<distance≤8mm	4.5	20.7	level D1
		8<distance≤15mm	0.0	25.2	level D2
		distance >15mm	0.0	25.2	level D3
	Front side	0<distance≤4mm	4.5	20.7	level D1
		4<distance≤9mm	0.0	25.2	level D2
		9<distance	0.0	25.2	level D3
	Left side	ALL	0.0	25.2	level D3
	Right side	ALL	0.0	25.2	level D3
	Top side	ALL	0.0	25.2	level D3
LTE B7	Extremity SAR(bottom/front/back)	held by hand 0mm	3.0	21.7	level D1
	Bottom side	0<distance≤10mm	3.0	21.7	level D1
		10<distance≤19mm	1.5	23.2	level D2
		19<distance	0.0	24.7	level D3
	Back side	0<distance≤8mm	3.0	21.7	level D1
		8<distance≤15mm	1.5	23.2	level D2
		distance >15mm	0.0	24.7	level D3
	Front side	0<distance≤4mm	3.0	21.7	level D1
		4<distance≤9mm	1.5	23.2	level D2
		9<distance	0.0	24.7	level D3
	Left side	ALL	0.0	24.7	level D3
	Right side	ALL	0.0	24.7	level D3
	Top side	ALL	0.0	24.7	level D3
LTE B38	Extremity SAR(bottom/front/back)	held by hand 0mm	1.5	23.7	level D1
	Bottom side	0<distance≤10mm	1.5	23.7	level D1
		10<distance≤19mm	0.0	25.2	level D2
		19<distance	0.0	25.2	level D3
	Back side	0<distance≤8mm	1.5	23.7	level D1
		8<distance≤15mm	0.0	25.2	level D2
		distance >15mm	0.0	25.2	level D3
	Front side	0<distance≤4mm	1.5	23.7	level D1
		4<distance≤9mm	0.0	25.2	level D2
		9<distance	0.0	25.2	level D3
	Left side	ALL	0.0	25.2	level D3
	Right side	ALL	0.0	25.2	level D3
	Top side	ALL	0.0	25.2	level D3
LTE B41	Extremity SAR(bottom/front/back)	held by hand 0mm	1.5	23.7	level D1
	Bottom side	0<distance≤10mm	1.5	23.7	level D1
		10<distance≤19mm	0.0	25.2	level D2
		19<distance	0.0	25.2	level D3
	Back side	0<distance≤8mm	1.5	23.7	level D1
		8<distance≤15mm	0.0	25.2	level D2
		distance >15mm	0.0	25.2	level D3
	Front side	0<distance≤4mm	1.5	23.7	level D1
		4<distance≤9mm	0.0	25.2	level D2
		9<distance	0.0	25.2	level D3
	Left side	ALL	0.0	25.2	level D3
	Right side	ALL	0.0	25.2	level D3
	Top side	ALL	0.0	25.2	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.

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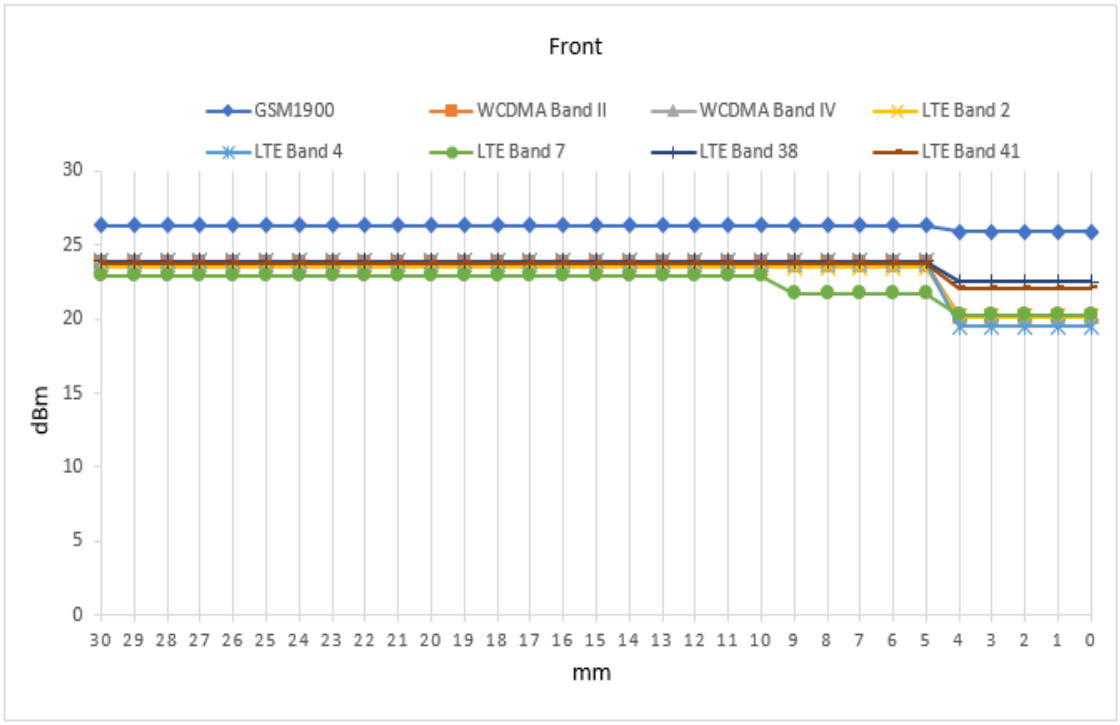
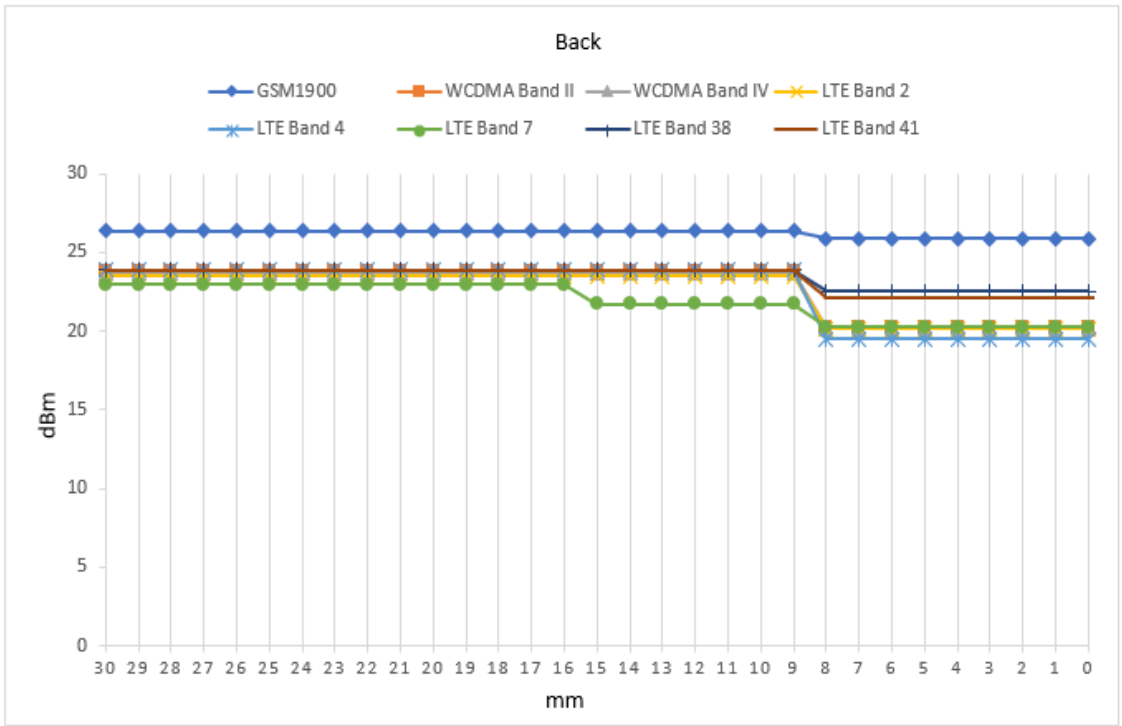
- DUT Moving Toward（Trigger）the Phantom





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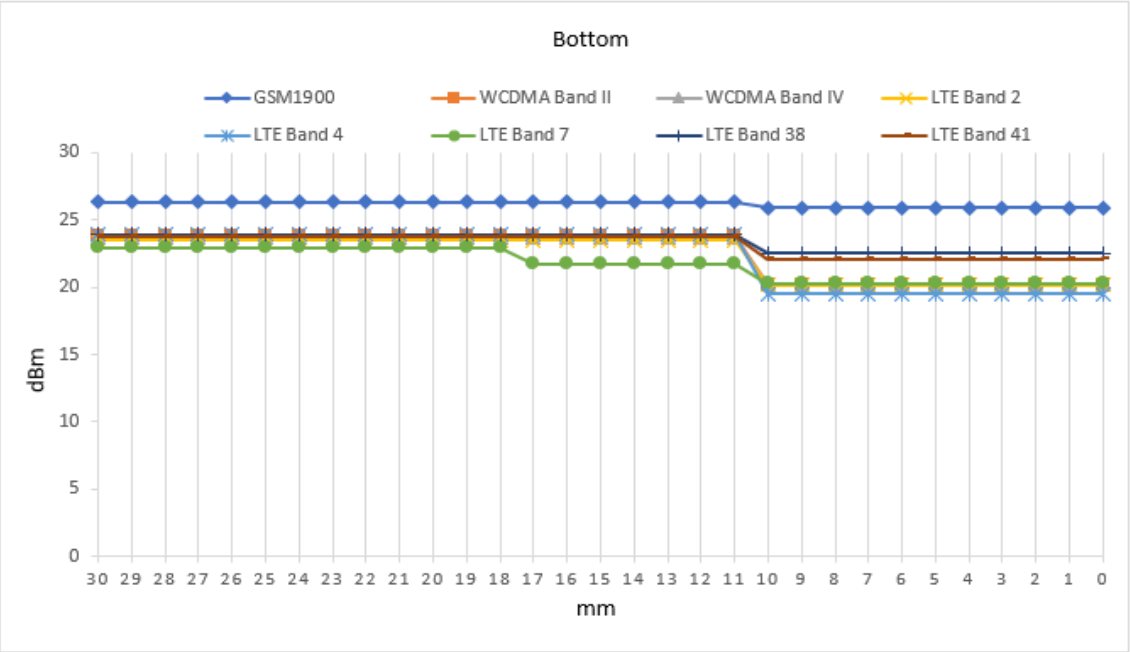
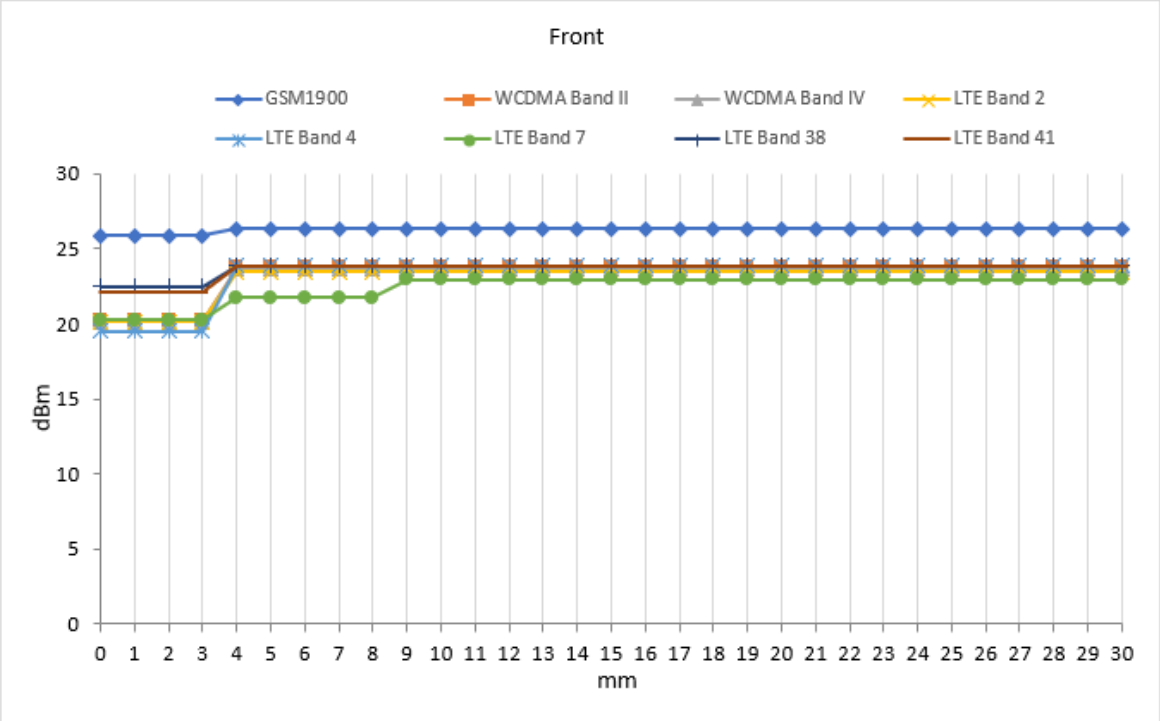


- DUT Moving Away（Release）from the Phantom



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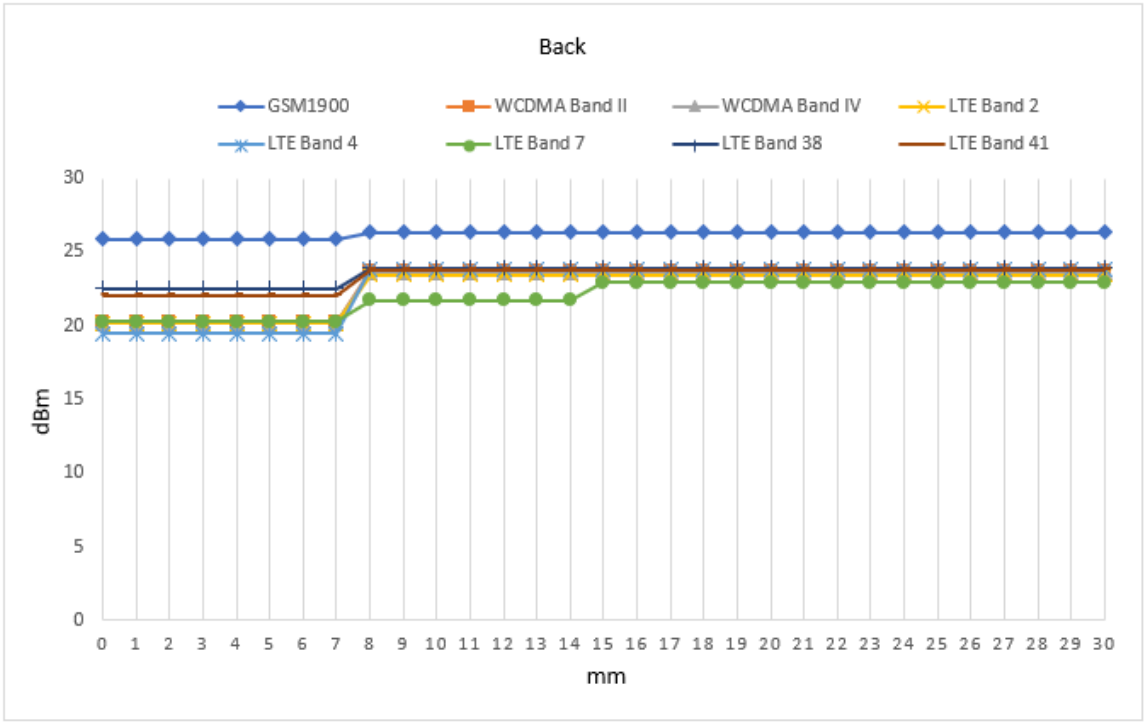

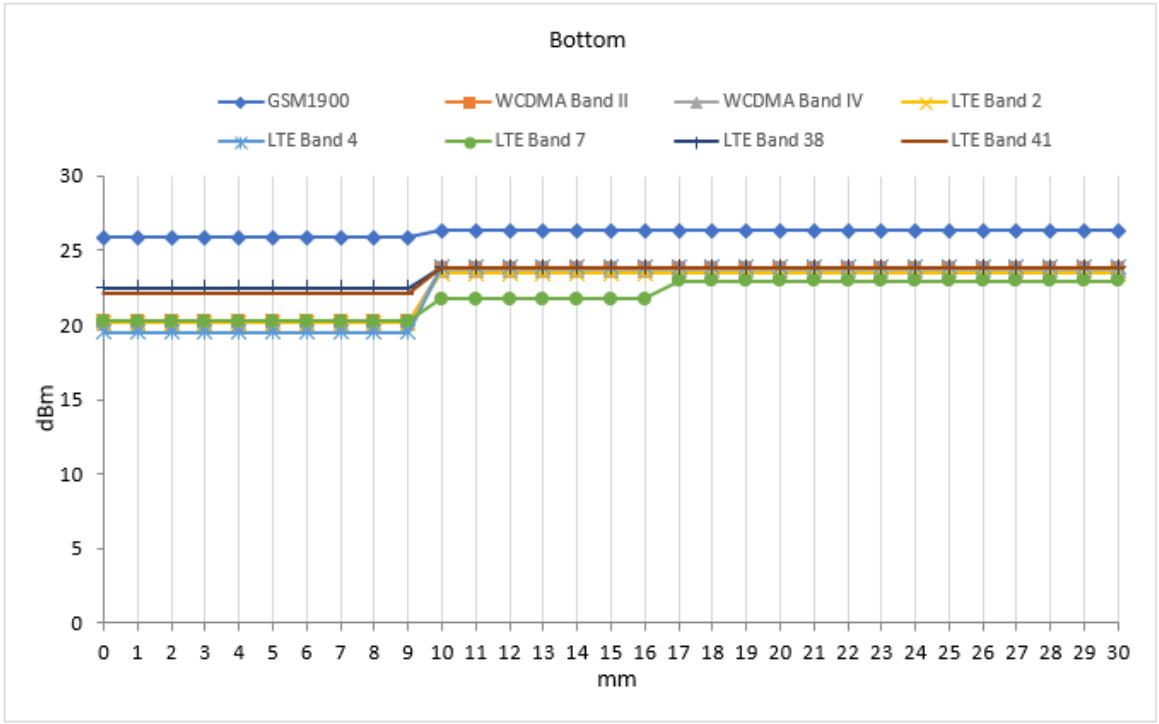

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2) Proximity sensor coverage

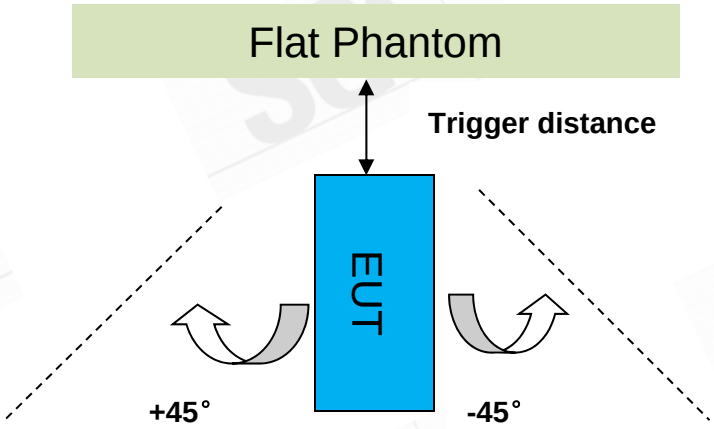
If a sensor is spatially offset from the antenna(s), it is necessary to verify sensor triggering for conditions where the antenna is next to the user but the sensor is laterally further away to ensure sensor coverage is sufficient for reducing the power to maintain compliance. For p-sensor coverage testing, 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, at 10mm(GSM1900,WCDMA Band II/IV,LTE B2/4/7/38/41)&19mm(LTE B7) separation.

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 Right 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°
GSM1900	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
WCDMA Band IV	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on
LTE B2	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on
LTE B4	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on
LTE B7	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on
LTE B38	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on
LTE B41	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on

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The Sensor Triggering Distance(mm)	
Position	Bottom
Minimum	19
Required SAR Test	18

Summary of Tablet Tilt Angle Influence to Proximity Sensor Triggering for Right 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°
LTE B7	19mm	19mm	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		700-950		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)	41.649	0.895	22.1	2018/8/1
750 Body	750	55.5 (52.73~58.28)	0.96 (0.91~1.00)	56.279	0.956	22.1	2018/8/1
835 Head	835	41.5 (39.43~43.58)	0.90 (0.86~0.95)	41.573	0.906	22.1	2018/7/23
835 Head	835	41.5 (39.43~43.58)	0.90 (0.86~0.95)	42.040	0.909	22.1	2018/7/26
835 Body	835	55.2 (52.44~57.96)	0.97 (0.92~1.02)	53.853	0.986	22.1	2018/7/24
835 Body	835	55.2 (52.44~57.96)	0.97 (0.92~1.02)	56.322	1.000	22.1	2018/7/27
1750 Head	1750	40.1 (38.10~42.11)	1.37 (1.30~1.44)	39.038	1.312	22.2	2018/8/2
1750 Head	1750	40.1 (38.10~42.11)	1.37 (1.30~1.44)	38.467	1.328	22.2	2018/8/15
1750 Body	1750	53.4 (50.73~56.07)	1.49 (1.42~1.56)	53.107	1.541	22.2	2018/8/3
1750 Body	1750	53.4 (50.73~56.07)	1.49 (1.42~1.56)	51.171	1.426	22.2	2018/8/9
1900 Head	1900	40.0 (38.00~42.00)	1.40 (1.33~1.47)	38.457	1.449	22.3	2018/7/23
1900 Head	1900	40.0 (38.00~42.00)	1.40 (1.33~1.47)	40.580	1.396	22.3	2018/7/28
1900 Body	1900	53.3 (50.64~55.97)	1.52 (1.44~1.60)	53.480	1.524	22.3	2018/7/24
1900 Body	1900	53.3 (50.64~55.97)	1.52 (1.44~1.60)	53.237	1.510	22.3	2018/7/29
1900 Body	1900	53.3 (50.64~55.97)	1.52 (1.44~1.60)	53.330	1.532	22.3	2018/7/30
2450 Head	2450	39.20 (37.24~41.16)	1.80 (1.71~1.89)	37.999	1.855	22.0	2018/7/31
2450 Head	2450	39.20 (37.24~41.16)	1.80 (1.71~1.89)	37.998	1.854	22.0	2018/8/11
2450 Body	2450	52.70 (50.07~55.34)	1.95 (1.85~2.05)	52.708	1.998	22.0	2018/7/30
2450 Body	2450	52.70 (50.07~55.34)	1.95 (1.85~2.05)	52.537	1.966	22.0	2018/8/17
2600 Head	2600	39.0 (37.05~40.95)	1.96 (1.86~2.06)	37.449	2.026	22.1	2018/7/25
2600 Head	2600	39.0 (37.05~40.95)	1.96 (1.86~2.06)	37.439	2.028	22.1	2018/7/27

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2600 Head	2600	39.0 (37.05~40.95)	1.96 (1.86~2.06)	39.429	1.994	22.1	2018/8/7
2600 Body	2600	52.50 (49.88~55.13)	2.16 (2.05~2.27)	52.237	2.187	22.1	2018/7/26
2600 Body	2600	52.50 (49.88~55.13)	2.16 (2.05~2.27)	52.237	2.203	22.1	2018/7/27
2600 Body	2600	52.50 (49.88~55.13)	2.16 (2.05~2.27)	52.093	2.158	22.1	2018/7/29
2600 Body	2600	52.50 (49.88~55.13)	2.16 (2.05~2.27)	52.216	2.161	22.1	2018/7/31
5250 Head	5250	35.9 (34.11~37.70)	4.71 (4.47~4.95)	35.566	4.629	22.0	2018/8/10
5250 Body	5250	48.9 (46.46~51.35)	5.36 (5.09~5.63)	48.122	5.426	22.0	2018/8/5
5250 Body	5250	48.9 (46.46~51.35)	5.36 (5.09~5.63)	49.767	5.344	22.0	2018/8/6
5600 Head	5600	35.5 (33.73~37.28)	5.07 (4.82~5.32)	34.894	5.096	22.0	2018/8/10
5600 Body	5600	48.5 (46.08~50.93)	5.77 (5.48~6.06)	48.938	5.720	22.0	2018/8/7

Table 4： Measurement result of Tissue electric parameters

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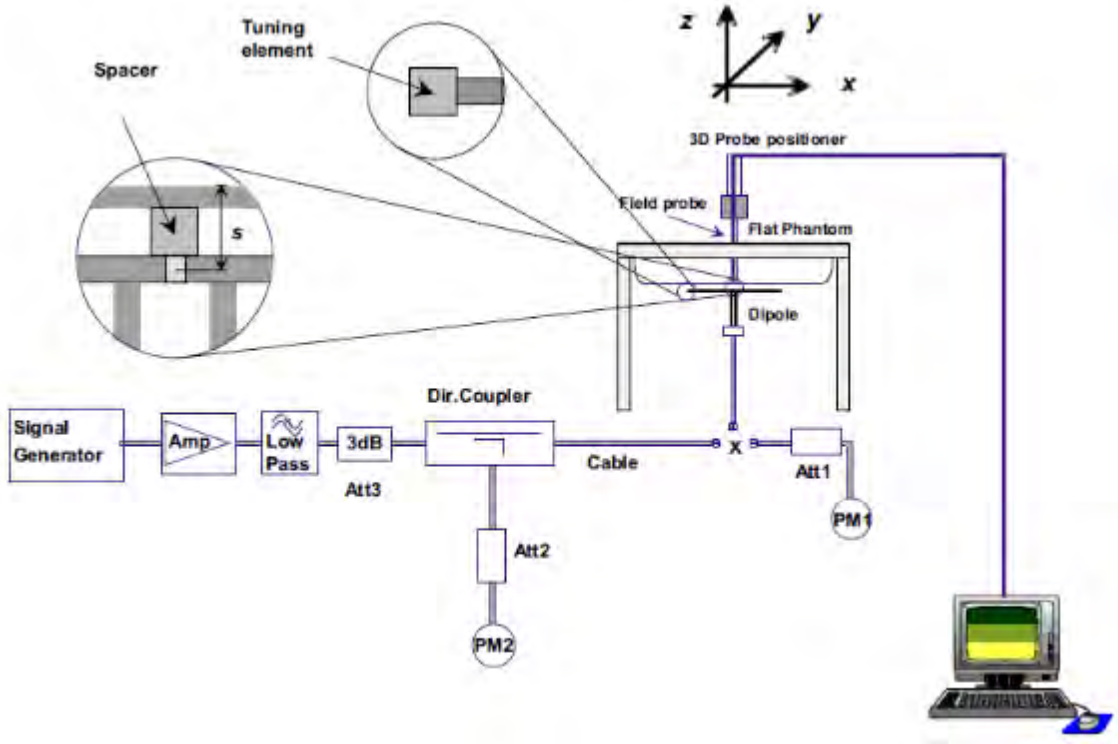
6.2 SAR System Check

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±0.5 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 1g (W/kg)	Measured SAR 250mW 10g (W/kg)	Measured SAR (normalized to 1W) 1g (W/kg)	Measured SAR (normalized to 1W) 10g (W/kg)	Target SAR (normalized to 1W) (±10%) 1-g(W/kg)	Target SAR (normalized to 1W) (±10%) 10-g(W/kg)	Liquid Temp. (℃)	Measured Date
D750V3	Head	1.99	1.31	7.96	5.24	8.17 (7.35~8.99)	5.36 (4.82~5.9)	22.1	2018/8/1
	Body	2.12	1.41	8.48	5.64	8.57 (7.71~9.43)	5.66 (5.09~6.23)	22.1	2018/8/1
D835V2	Head	2.48	1.62	9.92	6.48	9.59 (8.63~10.55)	6.29 (5.66~6.92)	22.1	2018/7/23
	Head	2.49	1.62	9.96	6.48	9.59 (8.63~10.55)	6.29 (5.66~6.92)	22.1	2018/7/26
	Body	2.48	1.63	9.92	6.52	9.65 (8.69~10.62)	6.46 (5.81~7.11)	22.1	2018/7/24
	Body	2.51	1.66	10.04	6.64	9.65 (8.69~10.62)	6.46 (5.81~7.11)	22.1	2018/7/27
D1750V2	Head	8.70	4.67	34.80	18.68	36.7 (33.03~40.37)	19.5 (17.55~21.45)	22.2	2018/8/2
	Head	8.60	4.61	34.40	18.44	36.7 (33.03~40.37)	19.5 (17.55~21.45)	22.2	2018/8/15
	Body	9.57	5.07	38.28	20.28	37 (33.30~40.70)	19.7 (17.73~21.67)	22.2	2018/8/3
	Body	9.08	4.83	36.32	19.32	37 (33.30~40.70)	19.7 (17.73~21.67)	22.2	2018/8/9
D1900V2	Head	10.70	5.56	42.80	22.24	40.7 (36.63~44.77)	21.1 (18.99~23.21)	22.3	2018/7/23
	Head	10.30	5.35	41.20	21.40	40.7 (36.63~44.77)	21.1 (18.99~23.21)	22.3	2018/7/28
	Body	10.40	5.48	41.60	21.92	41.6 (37.44~45.76)	21.4 (19.26~23.54)	22.3	2018/7/24
	Body	10.30	5.43	41.20	21.72	41.6 (37.44~45.76)	21.4 (19.26~23.54)	22.3	2018/7/29
	Body	10.40	5.48	41.60	21.92	41.6 (37.44~45.76)	21.4 (19.26~23.54)	22.3	2018/7/30
D2450V2	Head	13.50	6.26	54.00	25.04	53.1 (47.79~58.41)	24.9 (22.41~27.39)	22.0	2018/7/31
	Head	13.50	6.25	54.00	25.00	53.1 (47.79~58.41)	24.9 (22.41~27.39)	22.0	2018/8/11
	Body	12.80	6.01	51.20	24.04	51.0 (45.9~56.1)	23.5 (21.15~25.85)	22.0	2018/7/30
	Body	12.10	5.67	48.40	22.68	51.0 (45.9~56.1)	23.5 (21.15~25.85)	22.0	2018/8/17
D2600V2	Head	14.40	6.33	57.60	25.32	56.6 (50.94~62.26)	25.4 (22.86~27.94)	22.1	2018/7/25
	Head	14.40	6.31	57.60	25.24	56.6 (50.94~62.26)	25.4 (22.86~27.94)	22.1	2018/7/27
	Head	14.10	6.23	56.40	24.92	56.6 (50.94~62.26)	25.4 (22.86~27.94)	22.1	2018/8/7
	Body	13.50	6.10	54.00	24.40	54.2 (48.78~59.62)	24.3 (21.87~26.73)	22.1	2018/7/26
	Body	13.60	6.14	54.40	24.56	54.2 (48.78~59.62)	24.3 (21.87~26.73)	22.1	2018/7/27
	Body	13.30	6.01	53.20	24.04	54.2 (48.78~59.62)	24.3 (21.87~26.73)	22.1	2018/7/29
	Body	13.30	6.02	53.20	24.08	54.2 (48.78~59.62)	24.3 (21.87~26.73)	22.1	2018/7/31

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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)	1-g(W/kg)	10-g(W/kg)		
D5GHzV2	Head (5.25GHz)	6.97	2.05	69.70	20.50	76.6 (68.94~84.26)	21.9 (19.71~24.09)	22.0	2018/8/10
	Body (5.25GHz)	8.11	2.21	81.10	22.10	75.6 (68.04~83.16)	21.3 (19.17~23.43)	22.0	2018/8/5
	Body (5.25GHz)	7.98	2.22	79.80	22.20	75.6 (68.04~83.16)	21.3 (19.17~23.43)	22.0	2018/8/6
	Head (5.6GHz)	7.81	2.20	78.10	22.00	80.4 (72.36~88.44)	22.8 (20.52~25.08)	22.0	2018/8/10
	Body (5.6GHz)	8.30	2.30	83.00	23.00	81.1 (72.99~89.21)	22.9 (20.61~25.19)	22.0	2018/8/7

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 D01v03, 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_c (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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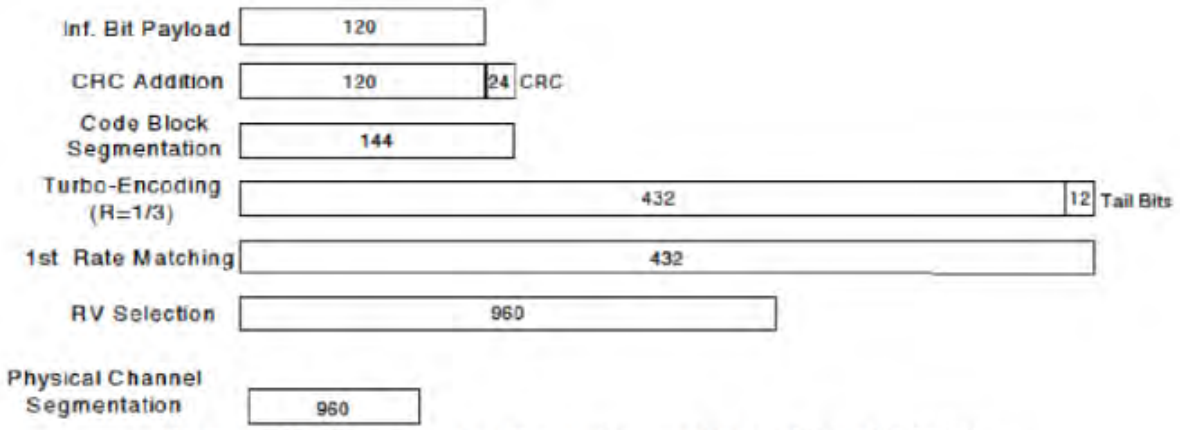

Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

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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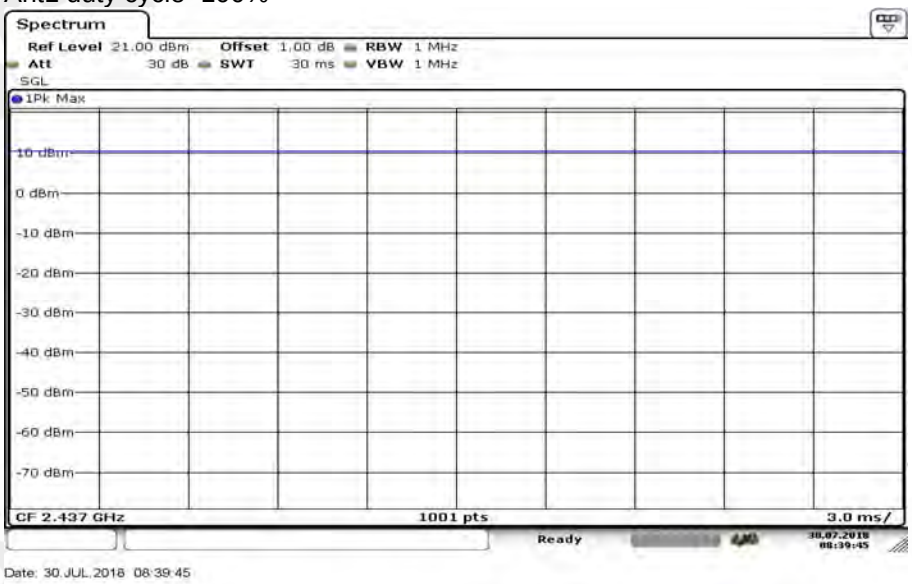
7.2.3 WiFi Test Configuration

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.

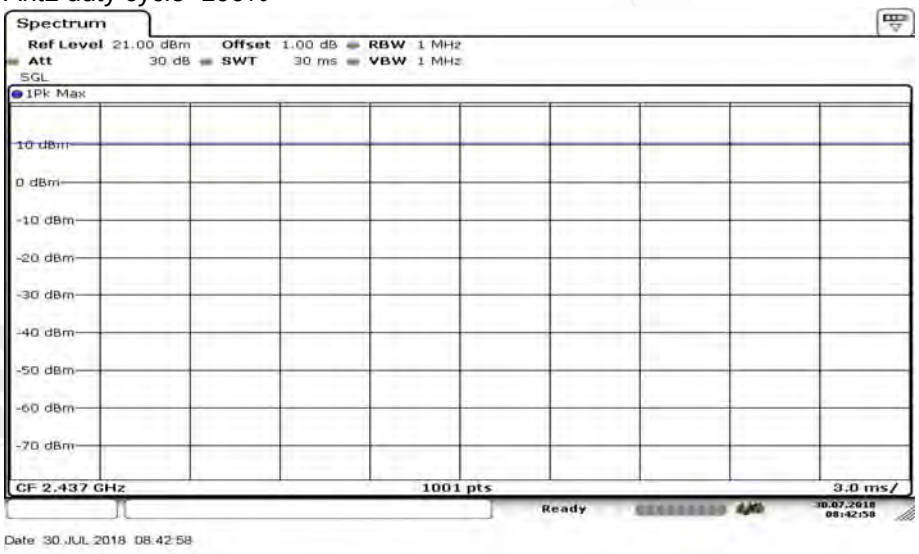
7.2.3.1 Duty cycle

1) 2.4GHz Wi-Fi 802.11b:

Ant1 duty cycle=100%



Ant2 duty cycle=100%



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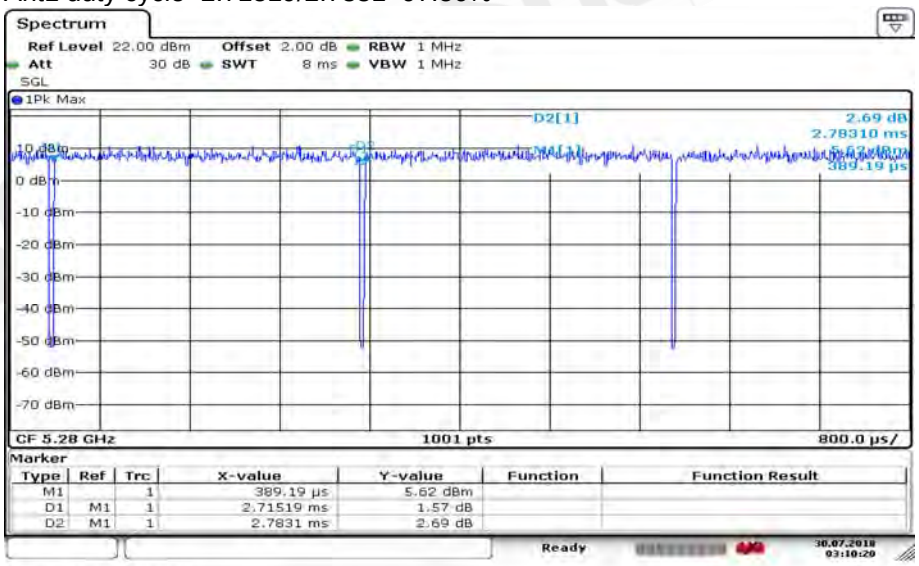
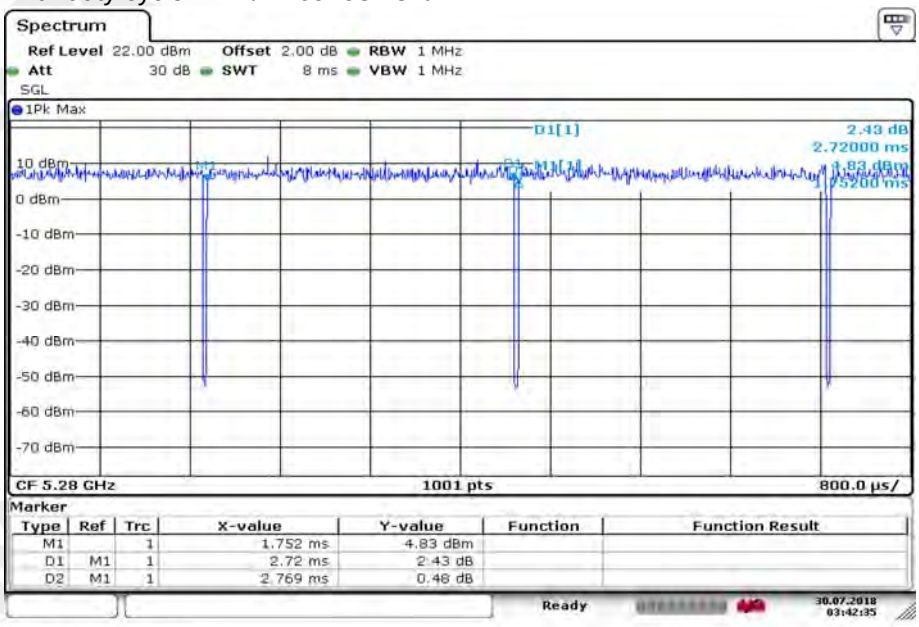
2) 5GHz Wi-Fi 802.11a:

Ant1 duty cycle=2.71519/2.7831=97.56%



Date: 30.JUL.2018 03:10:20

Ant2 duty cycle=2.72/2.769=98.23%



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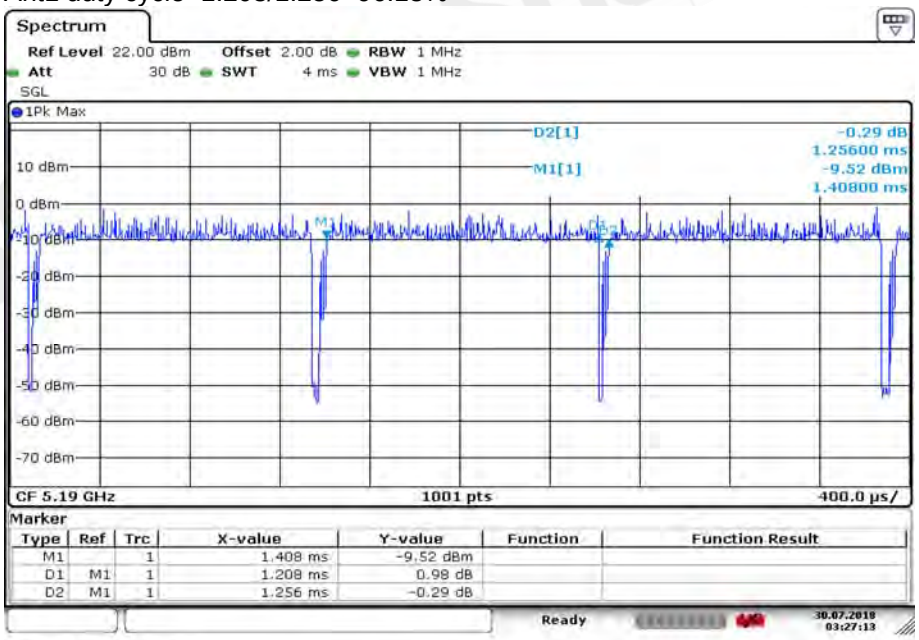
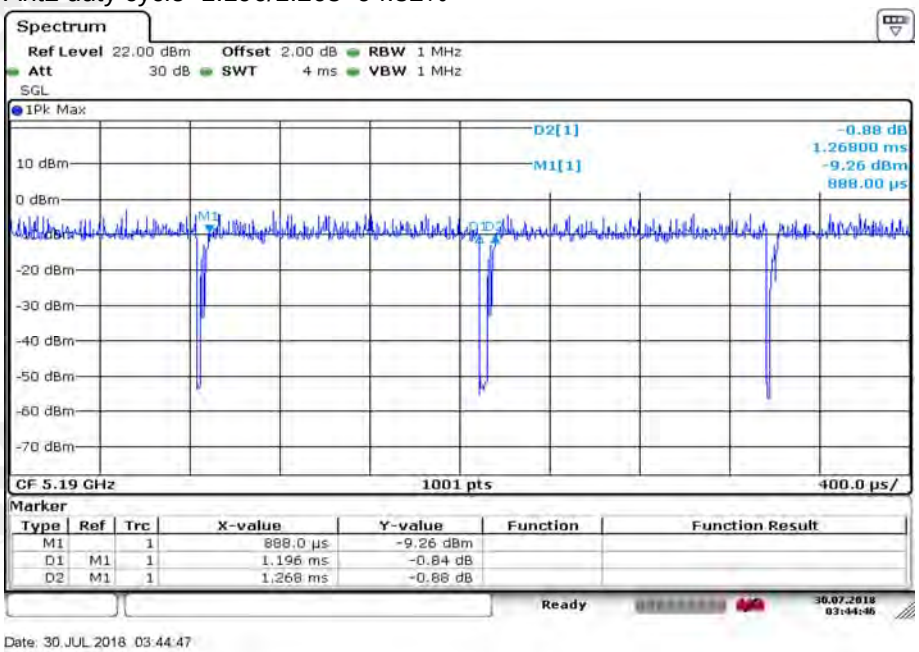
3) 5GHz Wi-Fi 802.11n-HT40:

Ant1 duty cycle=1.208/1.256=96.18%



Date: 30.JUL.2018 03:27:13

Ant2 duty cycle=1.196/1.268=94.32%



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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.

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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 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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7.2.3.6 5 GHz WiFi SAR Procedures

- **U-NII-1 and U-NII-2A Bands**
  For devices that operate in only one of the U-NII-1 and U-NII-2A bands, the normally required SAR procedures for OFDM configurations are applied. For devices that operate in both U-NII bands using the same transmitter and antenna(s), SAR test reduction is determined according to the following：

1) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, both bands are tested independently for SAR.
2) When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, both bands are tested independently for SAR.
3) The two U-NII bands may be aggregated to support a 160 MHz channel on channel number 50. Without additional testing, the maximum output power for this is limited to the lower of the maximum output power certified for the two bands. When SAR measurement is required for at least one of the bands and the highest reported SAR adjusted by the ratio of specified maximum output power of aggregated to standalone band is > 1.2 W/kg, SAR is required for the 160 MHz channel. This procedure does not apply to an aggregated band with maximum output higher than the standalone band(s); the aggregated band must be tested independently for SAR. SAR is not required when the 160 MHz channel is operating at a reduced maximum power and also qualifies for SAR test exclusion.

- **U-NII-2C and U-NII-3 Bands**
  The frequency range covered by these bands is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. when Terminal Doppler Weather Radar (TDWR) restriction applies, all channels that operate at 5.60 – 5.65 GHz must be included to apply the SAR test reduction and measurement procedures.

  When the same transmitter and antenna(s) are used for U-NII-2C band and U-NII-3 band or 5.8 GHz band of §15.247, the bands may be aggregated to enable additional channels with 20, 40 or 80 MHz bandwidth to span across the band gap, as illustrated in Appendix B. The maximum output power for the additional band gap channels is limited to the lower of those certified for the bands. Unless band gap channels are permanently disabled, they must be considered for SAR testing. The frequency range covered by these bands is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. To maintain SAR measurement accuracy and to facilitate test reduction, the channels in U-NII-2C band above 5.65 GHz may be grouped with the 5.8 GHz channels in U-NII-3 or §15.247 band to enable two SAR probe calibration frequency points to cover the bands, including the band gap channels. When band gap channels are supported and the bands are not aggregated for SAR testing, band gap channels must be considered independently in each band according to the normally required OFDM SAR measurement and probe calibration frequency points requirements.

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- **OFDM Transmission Mode SAR Test Configuration and Channel Selection Requirements**

The initial test configuration for 5 GHz OFDM transmission modes is determined by the 802.11 configuration with the highest maximum output power specified for production units, including tune-up tolerance, in each standalone and aggregated frequency band. SAR for the initial test configuration is measured using the highest maximum output power channel determined by the default power measurement procedures. When multiple configurations in a frequency band have the same specified maximum output power, the initial test configuration is determined according to the following steps applied sequentially.

1) The largest channel bandwidth configuration is selected among the multiple configurations with the same specified maximum output power.
2) If multiple configurations have the same specified maximum output power and largest channel bandwidth, the lowest order modulation among the largest channel bandwidth configurations is selected.
3) If multiple configurations have the same specified maximum output power, largest channel bandwidth and lowest order modulation, the lowest data rate configuration among these configurations is selected.
4) When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n. After an initial test configuration is determined, if multiple test channels have the same measured maximum output power, the channel chosen for SAR measurement is determined according to the following. These channel selection procedures apply to both the initial test configuration and subsequent test configuration(s), with respect to the default power measurement procedures or additional power measurements required for further SAR test reduction. The same procedures also apply to subsequent highest output power channel(s) selection.
   a) The channel closest to mid-band frequency is selected for SAR measurement.
   b) For channels with equal separation from mid-band frequency; for example, high and low channels or two mid-band channels, the higher frequency (number) channel is selected for SAR measurement.

- **SAR Test Requirements for OFDM configurations**

When SAR measurement is required for 802.11 a/n/ac OFDM configurations, each standalone and frequency aggregated band is considered separately for SAR test reduction. When the same transmitter and antenna(s) are used for U-NII-1 and U-NII-2A bands, additional SAR test reduction applies. When band gap channels between U-NII-2C band and 5.8 GHz U-NII-3 or §15.247 band are supported, the highest maximum output power transmission mode configuration and maximum output power channel across the bands must be used to determine SAR test reduction, according to the initial test configuration and subsequent test configuration requirements. 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.

7.2.3.7 WiFi CDD/MIMO SAR Considerations

Per KDB 248227D01v02r02, simultaneous transmission provisions in KDB Publication 447498 should be used to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1-g SAR single transmission SAR measurement is <1.6W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation.

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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 Anritsu MT8821C 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.

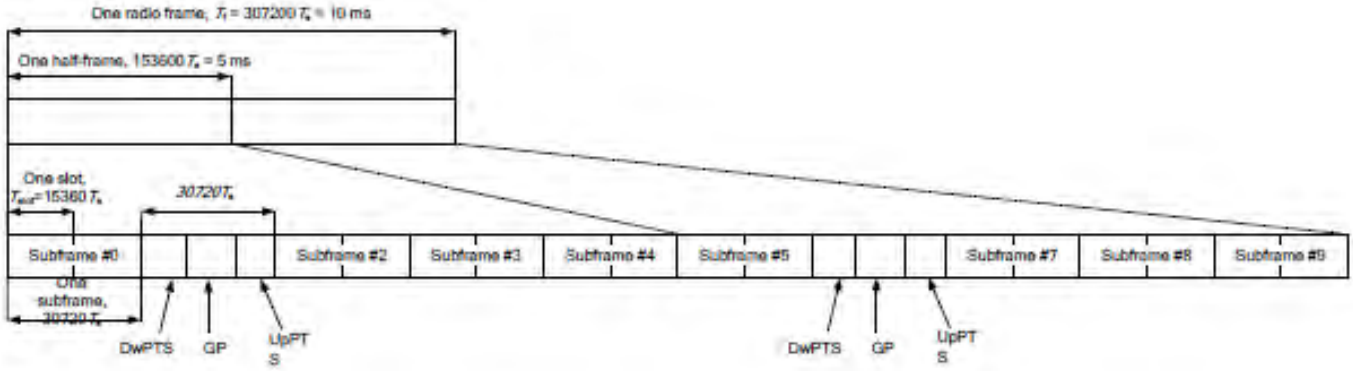
TDD LTE test consideration

For Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

SAR was tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special subframe configuration 7.

LTE TDD Band support 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special subframe configurations.

Frame structure type 2:



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Configuration of special subframe (lengths of DwPTS/GP/UpPTS).

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	6592.Ts	2192.Ts	2560.Ts	7680.Ts	2192.Ts	2560.Ts
1	19760.Ts			20480.Ts		
2	21952.Ts			23040.Ts		
3	24144.Ts			25600.Ts		
4	26336.Ts			7680.Ts	4384.Ts	5120.Ts
5	6592.Ts	4384.Ts	5120.Ts	20480.Ts		
6	19760.Ts			23040.Ts		
7	21952.Ts			25600.Ts		
8	24144.Ts			-	-	-
9	13168.Ts			-	-	-

Uplink-downlink configurations.

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Calculated Duty Cycle=[Extended cyclic prefix in uplink x (Ts) x # of S + # of U]/10ms

Uplink-Downlink Configuration	Downlink-to-Uplink Switch-point Periodicity	Subframe Number										Calculated Duty Cycle (%)
		0	1	2	3	4	5	6	7	8	9	
0	5 ms	D	S	U	U	U	D	S	U	U	U	63.33
1	5 ms	D	S	U	U	D	D	S	U	U	D	43.33
2	5 ms	D	S	U	D	D	D	S	U	D	D	23.33
3	10 ms	D	S	U	U	U	D	D	D	D	D	31.67
4	10 ms	D	S	U	U	D	D	D	D	D	D	21.67
5	10 ms	D	S	U	D	D	D	D	D	D	D	11.67
6	5 ms	D	S	U	U	U	D	S	U	U	D	53.33

A) Spectrum Plots for RB Configurations

A properly configured base station simulator was used for SAR tests and power measurements. Therefore,

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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 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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8 Test Result

8.1 Measurement of RF conducted Power

8.1.1 Conducted Power of Antenna 1

8.1.1.1 Conducted Power Of GSM

GSM 850										
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	32.87	32.92	32.77	34.00	-9.19	23.68	23.73	23.58	24.81
GPRS/EGPRS (GMSK)	1 TX Slot	32.85	32.91	32.77	34.00	-9.19	23.66	23.72	23.58	24.81
	2 TX Slots	**30.41**	**30.44**	**30.34**	**32.00**	**-6.18**	**24.23**	**24.26**	**24.16**	**25.82**
	3 TX Slots	28.36	28.28	28.25	30.00	-4.42	23.94	23.86	23.83	25.58
	4 TX Slots	26.28	26.23	26.19	28.00	-3.17	23.11	23.06	23.02	24.83
EGPRS(8PSK)	1 TX Slot	26.14	26.26	26.16	27.50	-9.19	16.95	17.07	16.97	18.31
	2 TX Slots	25.05	25.03	24.94	26.50	-6.18	18.87	18.85	18.76	20.32
	3 TX Slots	22.68	22.95	22.73	24.50	-4.42	18.26	18.53	18.31	20.08
	4 TX Slots	21.46	21.58	21.64	23.50	-3.17	18.29	18.41	18.47	20.33

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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	28.24	28.27	28.25	30.00	-9.19	19.05	19.08	19.06	20.81
GPRS/EGPRS (GMSK)	1 TX Slot	28.24	28.27	28.25	30.00	-9.19	19.05	19.08	19.06	20.81
	2 TX Slots	**26.34**	**26.38**	**26.41**	**28.00**	**-6.18**	**20.16**	**20.20**	**20.23**	**21.82**
	3 TX Slots	24.30	24.33	24.46	26.00	-4.42	19.88	19.91	20.04	21.58
	4 TX Slots	22.37	22.40	22.37	24.00	-3.17	19.20	19.23	19.20	20.83
EGPRS(8PSK)	1 TX Slot	24.77	24.56	24.93	26.50	-9.19	15.58	15.37	15.74	17.31
	2 TX Slots	23.25	23.20	23.37	25.50	-6.18	17.07	17.02	17.19	19.32
	3 TX Slots	20.79	20.82	21.00	23.50	-4.42	16.37	16.40	16.58	19.08
	4 TX Slots	19.60	19.59	19.55	22.50	-3.17	16.43	16.42	16.38	19.33
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	23.78	23.81	23.82	25.50	-9.19	14.59	14.62	14.63	16.31
GPRS/EGPRS (GMSK)	1 TX Slot	23.76	23.78	23.85	25.50	-9.19	14.57	14.59	14.66	16.31
	2 TX Slots	**21.81**	**21.78**	**21.76**	**23.50**	**-6.18**	**15.63**	**15.60**	**15.58**	**17.32**
	3 TX Slots	19.56	19.54	19.61	21.50	-4.42	15.14	15.12	15.19	17.08
	4 TX Slots	17.36	17.27	17.22	19.50	-3.17	14.19	14.10	14.05	16.33
EGPRS(8PSK)	1 TX Slot	20.18	20.23	20.13	22.00	-9.19	10.99	11.04	10.94	12.81
	2 TX Slots	18.84	18.96	18.74	21.00	-6.18	12.66	12.78	12.56	14.82
	3 TX Slots	16.41	16.60	16.46	19.00	-4.42	11.99	12.18	12.04	14.58
	4 TX Slots	15.15	15.21	15.08	18.00	-3.17	11.98	12.04	11.91	14.83

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GSM 1900 Body Scene(0mm SAR sensor on Level D1）										
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	27.87	27.91	27.99	29.00	-9.19	18.68	18.72	18.80	19.81
GPRS/EGPRS (GMSK)	1 TX Slot	27.89	27.91	27.95	29.00	-9.19	18.70	18.72	18.76	19.81
	2 TX Slots	**25.84**	**25.87**	**25.86**	**27.00**	**-6.18**	**19.66**	**19.69**	**19.68**	**20.82**
	3 TX Slots	23.88	23.79	23.89	25.00	-4.42	19.46	19.37	19.47	20.58
	4 TX Slots	21.81	21.76	21.79	23.00	-3.17	18.64	18.59	18.62	19.83
EGPRS(8PSK)	1 TX Slot	24.06	24.17	24.24	25.50	-9.19	14.87	14.98	15.05	16.31
	2 TX Slots	22.31	22.64	22.53	24.50	-6.18	16.13	16.46	16.35	18.32
	3 TX Slots	19.84	20.13	20.02	22.50	-4.42	15.42	15.71	15.60	18.08
	4 TX Slots	18.55	18.75	18.61	21.50	-3.17	15.38	15.58	15.44	18.33
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	23.06	23.08	23.23	24.50	-9.19	13.87	13.89	14.04	15.31
GPRS/EGPRS (GMSK)	1 TX Slot	23.13	23.14	23.28	24.50	-9.19	13.94	13.95	14.09	15.31
	2 TX Slots	20.94	20.95	21.11	22.50	-6.18	14.76	14.77	14.93	16.32
	3 TX Slots	18.82	18.83	18.92	20.50	-4.42	14.40	14.41	14.50	16.08
	4 TX Slots	16.57	16.51	16.64	18.50	-3.17	13.40	13.34	13.47	15.33
EGPRS(8PSK)	1 TX Slot	19.73	19.63	19.78	21.00	-9.19	10.54	10.44	10.59	11.81
	2 TX Slots	17.92	18.06	18.15	20.00	-6.18	11.74	11.88	11.97	13.82
	3 TX Slots	15.43	15.74	15.69	18.00	-4.42	11.01	11.32	11.27	13.58
	4 TX Slots	14.13	14.34	15.39	17.00	-3.17	10.96	11.17	12.22	13.83

Table 11：Conducted Power Of GSM

Note:

1）. CMU200 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 Head Scene(receiver on)+SAR sensor off					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	**23.83**	**23.76**	**23.85**	**25.00**
	12.2kbps AMR	23.77	23.70	23.84	25.00
HSDPA	Subtest 1	23.21	23.15	23.09	24.00
	Subtest 2	22.37	22.31	22.28	23.50
	Subtest 3	21.86	21.80	21.77	23.00
	Subtest 4	21.89	21.78	21.74	23.00
HSUPA	Subtest 1	21.98	21.74	21.75	23.50
	Subtest 2	17.42	17.13	17.20	18.70
	Subtest 3	18.97	18.63	18.69	20.30
	Subtest 4	18.09	17.82	17.78	19.50
	Subtest 5	21.57	21.31	21.29	23.00
DC-HSDPA	Subtest 1	23.18	23.11	23.02	24.00
	Subtest 2	22.32	22.30	22.22	23.50
	Subtest 3	21.82	21.78	21.75	23.00
	Subtest 4	21.87	21.75	21.72	23.00
WCDMA Band II Body Scene (0mm SAR sensor on Level D1)					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	**20.54**	**20.21**	**20.34**	**21.50**
	12.2kbps AMR	20.38	20.26	20.27	21.50
HSDPA	Subtest 1	19.56	19.66	19.61	20.50
	Subtest 2	18.86	18.78	18.77	20.00
	Subtest 3	18.36	18.32	18.28	19.50
	Subtest 4	18.34	18.33	18.30	19.50
HSUPA	Subtest 1	18.53	18.23	18.21	20.00
	Subtest 2	13.91	13.67	13.75	15.20
	Subtest 3	15.45	15.14	15.22	16.80
	Subtest 4	14.59	14.35	14.28	16.00
	Subtest 5	18.12	17.80	17.78	19.50
DC-HSDPA	Subtest 1	19.53	19.64	19.60	20.50
	Subtest 2	18.82	18.77	18.71	20.00
	Subtest 3	18.33	18.31	18.20	19.50
	Subtest 4	18.32	18.30	18.23	19.50

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WCDMA Band II Wifi Hotspot on(10mm SAR sensor off)					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	17.11	**17.21**	16.99	**18.50**
	12.2kbps AMR	17.14	17.25	17.02	18.50
HSDPA	Subtest 1	16.69	16.59	16.61	17.50
	Subtest 2	15.90	15.77	15.76	17.00
	Subtest 3	15.33	15.28	15.22	16.50
	Subtest 4	15.37	15.26	15.22	16.50
HSUPA	Subtest 1	15.57	15.27	15.26	17.00
	Subtest 2	10.90	10.70	10.77	12.20
	Subtest 3	12.43	12.16	12.26	13.80
	Subtest 4	11.55	11.33	11.29	13.00
	Subtest 5	15.17	14.79	14.79	16.50
DC-HSDPA	Subtest 1	16.61	16.50	16.55	17.50
	Subtest 2	15.79	15.71	15.71	17.00
	Subtest 3	15.31	15.24	15.20	16.50
	Subtest 4	15.30	15.22	15.21	16.50
WCDMA Band II SAR sensor on+Wifi Hotspot on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	13.89	13.72	14.05	15.00
	12.2kbps AMR	13.94	13.74	14.08	15.00
HSDPA	Subtest 1	13.55	13.52	13.50	14.00
	Subtest 2	12.87	12.88	12.94	13.50
	Subtest 3	12.07	12.02	12.11	13.00
	Subtest 4	12.06	12.02	12.00	13.00
HSUPA	Subtest 1	12.09	11.82	11.78	13.50
	Subtest 2	7.35	7.25	7.27	8.70
	Subtest 3	8.94	8.68	8.75	10.30
	Subtest 4	8.04	7.78	7.74	9.50
	Subtest 5	11.64	11.33	11.30	13.00
DC-HSDPA	Subtest 1	13.52	13.44	13.45	14.00
	Subtest 2	12.83	12.83	12.92	13.50
	Subtest 3	12.06	12.03	12.10	13.00
	Subtest 4	12.02	12.00	12.01	13.00

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WCDMA Band IV full power					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	**23.64**	**23.64**	**23.71**	**25.00**
	12.2kbps AMR	23.66	23.67	23.74	25.00
HSDPA	Subtest 1	23.23	23.26	23.35	24.00
	Subtest 2	22.42	22.42	22.51	23.50
	Subtest 3	21.92	21.90	21.98	23.00
	Subtest 4	21.94	21.91	21.97	23.00
HSUPA	Subtest 1	21.98	21.96	21.96	23.50
	Subtest 2	17.48	17.43	17.32	18.70
	Subtest 3	19.70	19.42	19.31	20.30
	Subtest 4	18.22	18.28	18.33	19.50
	Subtest 5	21.77	21.80	21.99	23.00
DC-HSDPA	Subtest 1	23.15	23.21	23.31	24.00
	Subtest 2	22.38	22.40	22.44	23.50
	Subtest 3	21.88	21.89	21.90	23.00
	Subtest 4	21.90	21.78	21.91	23.00
WCDMA Band IV Body Scene(0mm SAR sensor on Level D1)					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	**19.99**	**20.15**	**20.17**	**21.00**
	12.2kbps AMR	19.92	20.12	20.14	21.00
HSDPA	Subtest 1	19.27	19.26	19.36	20.00
	Subtest 2	18.35	18.39	18.50	19.50
	Subtest 3	17.84	17.90	17.99	19.00
	Subtest 4	17.90	17.93	17.99	19.00
HSUPA	Subtest 1	18.00	17.95	17.97	19.50
	Subtest 2	13.29	13.38	13.21	14.70
	Subtest 3	15.74	15.38	15.35	16.30
	Subtest 4	15.27	15.35	15.34	15.50
	Subtest 5	17.78	17.80	17.96	19.00
DC-HSDPA	Subtest 1	19.22	19.21	19.34	20.00
	Subtest 2	18.31	18.32	18.45	19.50
	Subtest 3	17.80	17.89	17.96	19.00
	Subtest 4	17.79	17.91	17.97	19.00

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WCDMA Band IV Wifi Hotspot on(10mm SAR sensor off)					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	**19.13**	**19.15**	**19.44**	**20.30**
	12.2kbps AMR	19.16	19.20	19.24	20.30
HSDPA	Subtest 1	18.74	18.75	18.85	19.30
	Subtest 2	17.92	17.89	17.98	18.80
	Subtest 3	17.42	17.34	17.52	18.30
	Subtest 4	17.43	17.36	17.52	18.30
HSUPA	Subtest 1	17.46	17.42	17.52	18.80
	Subtest 2	13.44	13.49	13.19	14.00
	Subtest 3	15.24	14.90	14.89	15.60
	Subtest 4	14.18	14.31	14.02	14.80
	Subtest 5	17.30	17.30	17.50	18.30
DC-HSDPA	Subtest 1	18.71	18.72	18.83	19.30
	Subtest 2	17.88	17.82	17.97	18.80
	Subtest 3	17.41	17.31	17.44	18.30
	Subtest 4	17.36	17.32	17.42	18.30
WCDMA Band IV SAR sensor on+Wifi Hotspot on					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	15.49	15.49	15.31	17.30
	12.2kbps AMR	15.51	15.54	15.36	17.30
HSDPA	Subtest 1	15.16	15.19	15.14	16.30
	Subtest 2	14.40	14.23	14.11	15.80
	Subtest 3	13.79	13.72	13.55	15.30
	Subtest 4	13.79	13.72	13.53	15.30
HSUPA	Subtest 1	13.50	13.44	13.49	15.80
	Subtest 2	9.47	9.50	9.15	11.00
	Subtest 3	11.22	10.89	10.88	12.60
	Subtest 4	10.23	10.33	10.02	11.80
	Subtest 5	13.32	13.35	13.46	15.30
DC-HSDPA	Subtest 1	15.11	15.12	15.10	16.30
	Subtest 2	14.34	14.18	14.10	15.80
	Subtest 3	13.72	13.71	13.51	15.30
	Subtest 4	13.71	13.70	13.52	15.30

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WCDMA Band V					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	**23.67**	**23.66**	**23.61**	**25.50**
	12.2kbps AMR	23.70	23.71	23.63	25.50
HSDPA	Subtest 1	23.24	23.39	23.41	24.00
	Subtest 2	22.72	22.89	22.91	23.50
	Subtest 3	22.33	22.46	22.52	23.00
	Subtest 4	22.32	22.45	22.53	23.00
HSUPA	Subtest 1	22.44	22.73	22.88	23.50
	Subtest 2	19.18	19.78	19.62	20.00
	Subtest 3	20.43	20.36	20.54	21.00
	Subtest 4	20.53	20.45	19.63	21.00
	Subtest 5	21.80	21.90	21.90	23.00
DC-HSDPA	Subtest 1	23.21	23.33	23.37	24.00
	Subtest 2	22.69	22.81	22.86	23.50
	Subtest 3	22.30	22.40	22.51	23.00
	Subtest 4	22.19	22.41	22.44	23.00

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	23.26	23.17	22.93	25.00
		1	2	22.79	22.61	22.61	25.00
		1	5	23.19	23.17	22.86	25.00
		3	0	23.22	22.90	22.87	25.00
		3	2	23.11	22.94	22.88	25.00
		3	3	23.12	23.02	22.79	25.00
		6	0	22.16	22.06	21.80	24.00
	16QAM	1	0	22.49	22.48	22.24	24.00
		1	2	22.04	21.98	21.99	24.00
		1	5	22.38	22.48	22.17	24.00
		3	0	22.17	22.06	21.86	24.00
		3	2	21.93	22.00	21.82	24.00
		3	3	22.04	22.03	22.03	24.00
		6	0	21.06	21.11	20.99	23.00
	64QAM	1	0	21.44	21.40	21.22	23.00
		1	2	20.97	20.93	20.92	23.00
		1	5	21.24	21.40	21.20	23.00
		3	0	21.22	21.17	21.19	23.00
		3	2	21.07	21.11	21.10	23.00
		3	3	21.14	21.14	21.11	23.00
		6	0	20.06	20.08	20.08	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	23.05	23.13	22.94	25.00
		1	7	22.40	22.59	22.45	25.00
		1	14	23.10	23.09	22.86	25.00
		8	0	22.25	22.09	22.01	24.00
		8	4	22.15	22.08	21.86	24.00
		8	7	22.14	22.05	21.88	24.00
		15	0	22.19	22.10	21.92	24.00
	16QAM	1	0	22.39	22.42	22.27	24.00
		1	7	21.74	21.96	21.61	24.00
		1	14	22.51	22.38	22.14	24.00
		8	0	20.99	20.90	20.81	23.00
		8	4	20.99	21.07	20.86	23.00
		8	7	20.99	21.09	20.88	23.00
		15	0	21.20	21.07	20.88	23.00
	64QAM	1	0	21.55	21.45	21.30	23.00
		1	7	21.54	21.35	21.36	23.00
		1	14	21.47	21.42	21.33	23.00
		8	0	20.14	20.10	20.13	22.00
		8	4	20.22	20.10	20.13	22.00
		8	7	20.25	20.20	20.09	22.00

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		15	0	20.25	20.17	20.15	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	23.23	23.17	22.96	25.00
		1	13	23.23	23.04	22.94	25.00
		1	24	23.06	23.09	22.91	25.00
		12	0	22.27	22.16	21.99	24.00
		12	6	22.27	22.14	21.93	24.00
		12	13	22.27	22.10	21.99	24.00
		25	0	22.23	22.03	21.93	24.00
	16QAM	1	0	22.51	22.42	22.21	24.00
		1	13	22.48	22.28	22.15	24.00
		1	24	22.34	22.39	22.18	24.00
		12	0	21.31	21.15	20.94	23.00
		12	6	21.26	21.09	20.92	23.00
		12	13	21.25	21.11	20.90	23.00
		25	0	21.19	21.00	20.89	23.00
	64QAM	1	0	21.57	21.45	21.21	23.00
		1	13	20.72	20.66	20.58	23.00
		1	24	21.37	21.40	21.19	23.00
		12	0	20.52	20.36	20.17	22.00
		12	6	20.23	20.17	20.15	22.00
		12	13	20.41	20.38	20.17	22.00
		25	0	20.37	20.28	20.07	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	23.33	23.08	22.95	25.00
		1	25	22.82	22.90	22.75	25.00
		1	49	23.07	22.95	22.93	25.00
		25	0	22.28	22.17	22.09	24.00
		25	13	22.14	22.06	22.08	24.00
		25	25	22.09	22.06	22.04	24.00
		50	0	22.19	22.01	22.06	24.00
	16QAM	1	0	22.49	22.40	22.41	24.00
		1	25	22.10	22.06	22.04	24.00
		1	49	22.43	22.26	22.26	24.00
		25	0	21.27	21.12	20.92	23.00
		25	13	21.17	21.11	20.87	23.00
		25	25	21.06	21.11	20.90	23.00
		50	0	21.14	21.09	20.90	23.00
	64QAM	1	0	21.48	21.53	21.31	23.00
		1	25	21.15	20.94	21.17	23.00
		1	49	21.37	21.38	21.24	23.00
		25	0	20.46	20.21	20.19	22.00
		25	13	20.37	20.17	20.13	22.00
		25	25	20.40	20.16	20.23	22.00
		50	0	20.38	20.13	20.18	22.00

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Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	23.21	23.14	23.00	25.00
		1	38	23.14	23.08	23.03	25.00
		1	74	23.11	23.14	23.08	25.00
		36	0	22.34	22.27	22.04	24.00
		36	18	22.17	22.27	22.17	24.00
		36	39	22.11	22.29	22.09	24.00
		75	0	22.13	22.22	22.00	24.00
	16QAM	1	0	22.60	22.57	22.29	24.00
		1	38	22.39	22.54	22.43	24.00
		1	74	22.50	22.39	22.43	24.00
		36	0	21.31	21.18	21.01	23.00
		36	18	21.17	21.07	21.12	23.00
		36	39	21.10	21.04	21.10	23.00
		75	0	21.08	20.98	21.08	23.00
	64QAM	1	0	21.52	21.55	21.54	23.00
		1	38	21.39	21.53	21.54	23.00
		1	74	21.34	21.36	21.31	23.00
		36	0	20.39	20.37	20.37	22.00
		36	18	20.29	20.30	20.28	22.00
		36	39	20.28	20.32	20.34	22.00
		75	0	20.28	20.28	20.36	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	23.38	**23.47**	23.43	25.00
		1	50	23.15	23.31	23.22	25.00
		1	99	**23.54**	23.43	**23.59**	25.00
		50	0	**22.60**	22.49	22.30	24.00
		50	25	22.55	22.39	22.33	24.00
		50	50	22.59	22.38	22.44	24.00
		100	0	**22.51**	22.40	22.32	24.00
	16QAM	1	0	22.64	22.60	22.48	24.00
		1	50	22.05	21.99	21.94	24.00
		1	99	22.59	22.33	22.62	24.00
		50	0	21.25	21.19	20.98	23.00
		50	25	21.09	21.11	21.08	23.00
		50	50	21.08	21.13	21.13	23.00
		100	0	21.12	21.08	21.11	23.00
	64QAM	1	0	21.78	21.78	21.73	23.00
		1	50	21.30	21.07	21.08	23.00
		1	99	21.57	21.46	21.49	23.00
		50	0	20.31	20.27	20.31	22.00
		50	25	20.25	20.29	20.29	22.00
		50	50	20.29	20.37	20.34	22.00
		100	0	20.49	20.38	20.37	22.00

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LTE Band 2 Body Scene(0mm SAR sensor on Level D1)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	19.92	19.80	19.61	21.5
		1	2	19.63	19.28	19.33	21.5
		1	5	19.97	19.86	19.67	21.5
		3	0	19.63	19.67	19.57	21.5
		3	2	19.66	19.37	19.30	21.5
		3	3	19.83	19.95	19.69	21.5
		6	0	19.61	19.77	19.44	21.5
	16QAM	1	0	20.35	19.96	19.84	21.5
		1	2	19.86	20.07	19.79	21.5
		1	5	20.18	20.23	19.77	21.5
		3	0	19.83	19.54	19.67	21.5
		3	2	19.94	19.79	19.53	21.5
		3	3	19.92	19.56	19.74	21.5
		6	0	19.62	19.73	19.68	21.5
	64QAM	1	0	20.25	20.15	20.31	21.5
		1	2	19.91	19.98	19.88	21.5
		1	5	20.21	20.20	20.18	21.5
		3	0	20.03	20.00	20.10	21.5
		3	2	20.00	20.12	20.09	21.5
		3	3	20.07	20.00	20.07	21.5
		6	0	19.93	19.86	19.98	21.5
Bandwidth	Modulation	RB size	RB offset	Channel 18615CH	Channel 18900CH	Channel 19185CH	Tune up
3MHz	QPSK	1	0	19.95	19.76	19.78	21.5
		1	7	19.23	19.80	18.75	21.5
		1	14	19.82	19.67	19.67	21.5
		8	0	19.75	19.56	19.74	21.5
		8	4	19.75	19.70	19.61	21.5
		8	7	19.70	19.81	19.53	21.5
		15	0	19.73	19.71	19.73	21.5
	16QAM	1	0	19.92	19.71	19.71	21.5
		1	7	20.06	19.72	19.67	21.5
		1	14	20.34	20.36	19.71	21.5
		8	0	19.70	19.38	19.63	21.5
		8	4	19.73	19.82	19.61	21.5
		8	7	19.68	19.72	19.65	21.5
		15	0	19.64	19.72	19.57	21.5
	64QAM	1	0	20.18	20.08	20.20	21.5
		1	7	19.86	19.91	19.83	21.5
		1	14	20.12	20.13	20.10	21.5
		8	0	19.97	19.94	20.01	21.5
		8	4	19.89	20.07	20.03	21.5
		8	7	20.01	19.91	19.99	21.5
		15	0	19.85	19.80	19.92	21.5

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Bandwidth	Modulation	RB size	RB offset	Channel 18625CH	Channel 18900CH	Channel 19175CH	Tune up
5MHz	QPSK	1	0	19.90	19.74	19.68	21.5
		1	13	19.81	19.69	19.63	21.5
		1	24	19.63	19.67	19.61	21.5
		12	0	19.91	19.77	19.74	21.5
		12	6	19.87	19.82	19.61	21.5
		12	13	19.91	19.73	19.75	21.5
		25	0	19.67	19.73	19.71	21.5
	16QAM	1	0	20.22	19.79	19.62	21.5
		1	13	20.23	19.46	19.59	21.5
		1	24	20.16	19.66	19.45	21.5
		12	0	20.14	19.69	19.54	21.5
		12	6	19.68	19.66	19.57	21.5
		12	13	19.80	19.64	19.56	21.5
		25	0	19.80	19.72	19.50	21.5
	64QAM	1	0	20.11	20.18	20.10	21.5
		1	13	20.20	20.17	20.14	21.5
		1	24	20.10	20.02	20.09	21.5
		12	0	19.97	19.92	19.89	21.5
		12	6	19.92	19.88	19.90	21.5
		12	13	19.93	19.89	19.90	21.5
		25	0	19.82	19.81	19.83	21.5
Bandwidth	Modulation	RB size	RB offset	Channel 18650CH	Channel 18900CH	Channel 19150CH	Tune up
10MHz	QPSK	1	0	19.91	19.82	19.72	21.50
		1	25	19.43	19.78	19.47	21.50
		1	49	19.83	19.84	19.65	21.50
		25	0	19.97	19.63	19.83	21.50
		25	13	19.82	19.68	19.82	21.50
		25	25	19.78	19.77	19.78	21.50
		50	0	19.82	19.69	19.80	21.50
	16QAM	1	0	20.10	20.20	20.13	21.50
		1	25	19.91	19.90	19.52	21.50
		1	49	19.97	19.93	19.92	21.50
		25	0	19.88	19.74	19.76	21.50
		25	13	19.71	19.82	19.76	21.50
		25	25	19.77	19.88	19.68	21.50
		50	0	19.78	19.69	19.68	21.50
	64QAM	1	0	20.15	20.12	20.25	21.50
		1	25	19.98	19.95	19.85	21.50
		1	49	20.13	20.13	20.26	21.50
		25	0	19.94	19.88	19.91	21.50
		25	13	19.89	19.90	19.95	21.50
		25	25	20.03	19.97	20.04	21.50
		50	0	19.80	19.87	19.84	21.50

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Bandwidth	Modulation	RB size	RB offset	Channel 18675CH	Channel 18900CH	Channel 19125CH	Tune up
15MHz	QPSK	1	0	19.77	19.76	19.66	21.50
		1	38	19.80	19.68	19.70	21.50
		1	74	19.66	19.67	19.82	21.50
		36	0	19.79	19.68	19.70	21.50
		36	18	19.82	19.77	19.72	21.50
		36	39	19.71	19.80	19.73	21.50
		75	0	19.70	19.74	19.73	21.50
	16QAM	1	0	20.08	19.98	19.60	21.50
		1	38	19.92	19.96	20.03	21.50
		1	74	19.97	19.92	20.02	21.50
		36	0	19.70	19.70	19.62	21.50
		36	18	19.59	19.77	19.67	21.50
		36	39	19.70	19.82	19.72	21.50
		75	0	19.58	19.67	19.74	21.50
	64QAM	1	0	20.19	20.22	20.28	21.50
		1	38	20.34	20.22	20.11	21.50
		1	74	20.13	20.16	20.13	21.50
		36	0	19.96	19.91	19.91	21.50
		36	18	20.01	19.88	19.86	21.50
		36	39	19.94	19.92	19.91	21.50
		75	0	20.02	19.96	19.86	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 18700CH	Channel 18900CH	Channel 19100CH	Tune up
20MHz	QPSK	1	0	19.78	**20.37**	19.77	21.50
		1	50	19.65	19.60	19.55	21.50
		1	99	**20.18**	19.85	**20.37**	21.50
		50	0	**20.21**	**20.22**	19.66	21.50
		50	25	19.70	19.78	19.64	21.50
		50	50	19.70	19.82	**19.82**	21.50
		100	0	**19.98**	19.71	19.69	21.50
	16QAM	1	0	20.29	20.21	20.06	21.50
		1	50	19.93	19.89	19.64	21.50
		1	99	20.12	20.06	20.38	21.50
		50	0	19.71	19.68	19.53	21.50
		50	25	19.56	19.69	19.56	21.50
		50	50	19.68	19.81	19.62	21.50
		100	0	19.61	19.63	19.61	21.50
	64QAM	1	0	20.30	20.34	20.32	21.50
		1	50	20.02	20.01	19.84	21.50
		1	99	20.33	20.30	20.29	21.50
		50	0	19.97	19.95	19.99	21.50
		50	25	19.88	19.86	19.87	21.50
		50	50	20.10	19.94	19.88	21.50
		100	0	19.91	19.88	19.86	21.50

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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	17.21	17.14	17.09	19.00
		1	2	16.84	16.70	16.63	19.00
		1	5	17.24	17.20	17.05	19.00
		3	0	17.02	17.05	16.95	19.00
		3	2	17.00	16.86	16.81	19.00
		3	3	17.11	17.03	16.87	19.00
		6	0	17.06	17.07	16.92	19.00
	16QAM	1	0	17.44	17.42	17.31	19.00
		1	2	17.05	17.03	16.98	19.00
		1	5	17.49	17.47	17.25	19.00
		3	0	17.17	17.12	17.04	19.00
		3	2	17.10	17.04	16.89	19.00
		3	3	17.18	17.09	16.95	19.00
		6	0	17.04	17.04	16.93	19.00
	64QAM	1	0	17.20	17.19	17.04	19.00
		1	2	17.15	16.97	16.95	19.00
		1	5	17.24	17.23	16.99	19.00
		3	0	17.22	17.17	17.01	19.00
		3	2	17.57	17.51	17.49	19.00
		3	3	17.20	17.23	17.06	19.00
		6	0	17.60	17.61	17.34	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	17.23	17.18	17.12	19.00
		1	7	17.22	17.21	17.11	19.00
		1	14	17.23	17.19	17.04	19.00
		8	0	17.32	17.19	17.15	19.00
		8	4	17.26	17.13	17.11	19.00
		8	7	17.30	17.22	17.13	19.00
		15	0	17.27	17.20	17.07	19.00
	16QAM	1	0	17.52	17.37	17.26	19.00
		1	7	17.47	17.42	17.29	19.00
		1	14	17.43	17.38	17.28	19.00
		8	0	17.25	17.21	17.10	19.00
		8	4	17.24	17.10	17.04	19.00
		8	7	17.28	17.18	17.06	19.00
		15	0	17.16	17.12	17.02	19.00
	64QAM	1	0	17.43	17.29	17.29	19.00
		1	7	17.37	17.23	17.19	19.00
		1	14	17.46	17.41	17.26	19.00
		8	0	17.39	17.35	17.26	19.00
		8	4	17.64	17.54	17.38	19.00
		8	7	17.54	17.54	17.43	19.00
		15	0	17.56	17.51	17.36	19.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	17.23	17.18	17.12	19.00
		1	13	17.22	17.21	17.11	19.00
		1	24	17.23	17.19	17.04	19.00
		12	0	17.32	17.19	17.15	19.00
		12	6	17.26	17.13	17.11	19.00
		12	13	17.30	17.22	17.13	19.00
		25	0	17.27	17.20	17.07	19.00
	16QAM	1	0	17.52	17.37	17.26	19.00
		1	13	17.47	17.42	17.29	19.00
		1	24	17.43	17.38	17.28	19.00
		12	0	17.25	17.21	17.10	19.00
		12	6	17.24	17.10	17.04	19.00
		12	13	17.28	17.18	17.06	19.00
		25	0	17.16	17.12	17.02	19.00
	64QAM	1	0	17.39	17.39	17.29	19.00
		1	13	17.36	17.24	17.18	19.00
		1	24	17.40	17.35	17.32	19.00
		12	0	17.45	17.33	17.22	19.00
		12	6	17.70	17.55	17.38	19.00
		12	13	17.61	17.58	17.37	19.00
		25	0	17.52	17.48	17.38	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	17.28	17.19	17.10	19.00
		1	25	16.98	16.89	16.89	19.00
		1	49	17.23	17.16	17.11	19.00
		25	0	17.29	17.19	17.10	19.00
		25	13	17.24	17.18	17.07	19.00
		25	25	17.21	17.19	17.10	19.00
		50	0	17.28	17.15	17.10	19.00
	16QAM	1	0	17.43	17.42	17.39	19.00
		1	25	17.34	17.13	17.03	19.00
		1	49	17.32	17.36	17.39	19.00
		25	0	17.24	17.13	17.10	19.00
		25	13	17.21	17.12	17.02	19.00
		25	25	17.19	17.11	17.01	19.00
		50	0	17.22	17.08	17.04	19.00
	64QAM	1	0	17.71	17.62	17.42	19.00
		1	25	17.38	17.04	17.12	19.00
		1	49	17.70	17.55	17.32	19.00
		25	0	17.62	17.29	17.25	19.00
		25	13	17.49	17.29	17.21	19.00
		25	25	17.48	17.36	17.24	19.00
		50	0	17.47	17.42	17.22	19.00

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Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	17.23	17.19	17.13	19.00
		1	38	17.16	17.20	17.01	19.00
		1	74	17.12	17.10	17.05	19.00
		36	0	17.32	17.22	17.09	19.00
		36	18	17.27	17.19	17.13	19.00
		36	39	17.21	17.23	17.13	19.00
		75	0	17.30	17.17	17.18	19.00
	16QAM	1	0	17.54	17.40	17.23	19.00
		1	38	17.53	17.47	17.29	19.00
		1	74	17.35	17.38	17.28	19.00
		36	0	17.23	17.18	17.16	19.00
		36	18	17.25	17.17	17.06	19.00
		36	39	17.12	17.20	17.03	19.00
		75	0	17.23	17.11	17.07	19.00
	64QAM	1	0	17.72	17.66	17.56	19.00
		1	38	17.62	17.52	17.49	19.00
		1	74	17.50	17.47	17.44	19.00
		36	0	17.58	17.50	17.31	19.00
		36	18	17.49	17.43	17.26	19.00
		36	39	17.45	17.42	17.28	19.00
		75	0	17.46	17.44	17.38	19.00

Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	**17.48**	17.40	17.25	19.00
		1	50	16.98	16.91	16.82	19.00
		1	99	17.36	17.29	17.17	19.00
		50	0	**17.33**	17.26	17.21	19.00
		50	25	17.29	17.18	17.16	19.00
		50	50	17.22	17.21	17.13	19.00
		100	0	17.32	17.27	17.09	19.00
	16QAM	1	0	17.79	17.72	17.50	19.00
		1	50	17.29	17.28	17.22	19.00
		1	99	17.68	17.48	17.54	19.00
		50	0	17.29	17.26	17.11	19.00
		50	25	17.22	17.10	17.08	19.00
		50	50	17.09	17.15	17.02	19.00
		100	0	17.27	17.22	16.99	19.00
	64QAM	1	0	17.77	17.75	17.70	19.00
		1	50	17.40	17.21	17.07	19.00
		1	99	17.63	17.71	17.46	19.00
		50	0	17.50	17.51	17.29	19.00
		50	25	17.37	17.42	17.27	19.00
		50	50	17.41	17.44	17.32	19.00
		100	0	17.42	17.36	17.33	19.00

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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	13.86	13.83	13.76	15.50
		1	2	13.22	13.70	13.48	15.50
		1	5	13.81	13.68	13.72	15.50
		3	0	13.63	13.54	13.57	15.50
		3	2	13.64	13.28	13.70	15.50
		3	3	13.59	13.54	13.51	15.50
		6	0	13.59	13.49	13.35	15.50
	16QAM	1	0	14.20	13.92	13.95	15.50
		1	2	13.87	13.63	13.76	15.50
		1	5	13.91	14.04	14.13	15.50
		3	0	13.50	13.64	13.40	15.50
		3	2	13.46	13.73	13.54	15.50
		3	3	13.60	13.32	13.33	15.50
		6	0	13.46	13.92	13.40	15.50
	64QAM	1	0	14.11	13.99	13.86	15.50
		1	2	13.79	13.68	13.68	15.50
		1	5	14.05	13.90	13.86	15.50
		3	0	13.97	13.80	13.82	15.50
		3	2	13.86	13.73	13.82	15.50
		3	3	13.90	13.75	13.77	15.50
		6	0	13.88	13.74	13.80	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	13.65	13.81	13.74	15.50
		1	7	12.84	12.86	13.27	15.50
		1	14	13.61	13.66	13.78	15.50
		8	0	13.74	13.63	13.28	15.50
		8	4	13.72	13.70	13.63	15.50
		8	7	13.67	13.59	13.67	15.50
		15	0	13.69	13.66	13.65	15.50
	16QAM	1	0	13.67	13.85	13.97	15.50
		1	7	13.04	13.61	13.45	15.50
		1	14	13.69	13.86	13.79	15.50
		8	0	13.56	13.72	13.56	15.50
		8	4	13.53	13.73	13.51	15.50
		8	7	13.58	13.75	13.60	15.50
		15	0	13.54	13.65	13.57	15.50
	64QAM	1	0	14.12	14.03	13.91	15.50
		1	7	13.83	13.72	13.69	15.50
		1	14	14.05	13.92	13.88	15.50
		8	0	13.97	13.84	13.84	15.50
		8	4	13.87	13.77	13.85	15.50
		8	7	13.92	13.75	13.82	15.50

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		15	0	13.90	13.79	13.81	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	13.77	13.82	13.79	15.50
		1	13	13.85	13.70	13.73	15.50
		1	24	13.64	13.83	13.59	15.50
		12	0	13.86	13.77	13.64	15.50
		12	6	13.70	13.61	13.70	15.50
		12	13	13.72	13.75	13.71	15.50
		25	0	13.73	13.69	13.66	15.50
	16QAM	1	0	13.82	13.90	13.97	15.50
		1	13	13.85	13.69	14.17	15.50
		1	24	13.71	14.08	13.95	15.50
		12	0	13.67	13.71	13.53	15.50
		12	6	13.53	13.76	13.53	15.50
		12	13	13.56	13.75	13.61	15.50
		25	0	13.53	13.58	13.57	15.50
	64QAM	1	0	14.16	14.06	13.96	15.50
		1	13	13.85	13.73	13.71	15.50
		1	24	14.09	13.93	13.90	15.50
		12	0	13.97	13.88	13.88	15.50
		12	6	13.88	13.77	13.88	15.50
		12	13	13.95	13.78	13.83	15.50
		25	0	13.91	13.81	13.81	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	14.21	13.81	13.73	15.50
		1	25	13.64	13.17	13.81	15.50
		1	49	14.12	13.75	13.62	15.50
		25	0	14.25	13.83	13.68	15.50
		25	13	13.80	13.68	13.65	15.50
		25	25	13.76	13.72	13.68	15.50
		50	0	13.77	13.66	13.66	15.50
	16QAM	1	0	13.92	14.04	14.15	15.50
		1	25	13.44	13.74	13.78	15.50
		1	49	13.78	13.81	13.82	15.50
		25	0	13.68	13.71	13.54	15.50
		25	13	13.79	13.59	13.52	15.50
		25	25	13.69	13.52	13.54	15.50
		50	0	13.76	13.56	13.56	15.50
	64QAM	1	0	14.17	14.06	13.98	15.50
		1	25	13.88	13.78	13.74	15.50
		1	49	14.09	13.93	13.93	15.50
		25	0	13.98	13.88	13.91	15.50
		25	13	13.92	13.79	13.88	15.50
		25	25	13.96	13.83	13.85	15.50
		50	0	13.91	13.82	13.83	15.50

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Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	13.78	13.69	13.80	15.50
		1	38	13.69	13.81	13.64	15.50
		1	74	13.67	13.65	13.62	15.50
		36	0	13.80	13.82	13.72	15.50
		36	18	13.69	13.70	13.65	15.50
		36	39	13.74	13.75	13.66	15.50
		75	0	13.67	13.69	13.62	15.50
	16QAM	1	0	13.98	13.94	13.85	15.50
		1	38	13.92	13.84	13.66	15.50
		1	74	13.91	13.94	13.82	15.50
		36	0	13.75	13.81	13.58	15.50
		36	18	13.68	13.68	13.60	15.50
		36	39	13.61	13.67	13.59	15.50
		75	0	13.64	13.57	13.54	15.50
	64QAM	1	0	14.09	13.97	13.99	15.50
		1	38	14.03	14.00	14.04	15.50
		1	74	14.04	13.85	13.92	15.50
		36	0	14.00	13.87	13.95	15.50
		36	18	13.94	13.88	13.95	15.50
		36	39	13.95	13.89	13.94	15.50
		75	0	13.93	13.83	13.94	15.50

Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	13.78	13.89	13.78	15.50
		1	50	13.53	13.69	12.91	15.50
		1	99	13.74	13.60	13.76	15.50
		50	0	13.70	13.87	13.77	15.50
		50	25	13.68	13.73	13.70	15.50
		50	50	13.71	13.75	13.64	15.50
		100	0	13.65	13.78	13.80	15.50
	16QAM	1	0	13.88	13.76	14.03	15.50
		1	50	13.69	12.82	13.03	15.50
		1	99	14.26	13.93	13.81	15.50
		50	0	13.67	13.79	13.68	15.50
		50	25	13.55	13.60	13.66	15.50
		50	50	13.62	13.47	13.59	15.50
		100	0	13.55	13.66	13.53	15.50
	64QAM	1	0	14.06	14.07	14.10	15.50
		1	50	13.80	13.75	13.75	15.50
		1	99	14.18	14.05	13.98	15.50
		50	0	14.03	13.86	13.79	15.50
		50	25	13.97	13.87	13.90	15.50
		50	50	13.94	13.78	13.79	15.50
		100	0	14.02	13.85	13.95	15.50

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LTE Band 4 Head Scene(receiver on)+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	23.68	23.64	23.82	25.20
		1	2	23.31	23.30	23.36	25.20
		1	5	23.72	23.90	23.71	25.20
		3	0	23.65	23.57	23.63	25.20
		3	2	23.50	23.56	23.60	25.20
		3	3	23.56	23.62	23.62	25.20
		6	0	22.01	22.12	22.22	23.70
	16QAM	1	0	23.03	22.93	22.99	24.20
		1	2	22.62	22.75	22.81	24.20
		1	5	23.06	22.98	23.06	24.20
		3	0	22.78	22.69	22.75	24.20
		3	2	22.36	22.51	22.60	24.20
		3	3	22.64	22.69	22.82	24.20
		6	0	21.59	21.65	21.67	23.20
	64QAM	1	0	22.77	21.80	22.74	23.20
		1	2	22.72	21.66	22.54	23.20
		1	5	22.83	21.92	22.79	23.20
		3	0	21.74	20.66	21.55	23.20
		3	2	21.70	20.57	21.71	23.20
		3	3	21.76	20.64	21.73	23.20
		6	0	21.81	20.55	21.68	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	23.70	23.61	23.60	25.20
		1	7	23.03	23.12	23.21	25.20
		1	14	23.74	23.70	23.67	25.20
		8	0	22.13	22.28	22.27	23.70
		8	4	22.06	22.08	22.29	23.70
		8	7	22.11	22.20	22.26	23.70
		15	0	22.22	22.32	22.31	23.70
	16QAM	1	0	23.08	22.92	23.09	24.20
		1	7	22.44	22.58	22.44	24.20
		1	14	23.07	23.05	22.98	24.20
		8	0	21.61	21.79	21.78	23.20
		8	4	21.60	21.66	21.80	23.20
		8	7	21.71	21.78	21.81	23.20
		15	0	21.68	21.72	21.80	23.20
	64QAM	1	0	22.79	21.84	22.77	23.20
		1	7	22.73	21.69	22.59	23.20
		1	14	22.84	21.93	22.81	23.20
		8	0	21.76	20.68	21.59	22.20
		8	4	21.70	20.62	21.76	22.20
		8	7	21.79	20.67	21.77	22.20
		15	0	21.83	20.60	21.73	22.20

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Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	23.74	23.64	23.67	25.20
		1	13	23.76	23.84	23.83	25.20
		1	24	23.74	23.79	23.75	25.20
		12	0	22.31	22.35	22.41	23.70
		12	6	22.22	22.35	22.33	23.70
		12	13	22.33	22.33	22.41	23.70
		25	0	22.11	22.16	22.34	23.70
	16QAM	1	0	23.07	22.96	23.19	24.20
		1	13	23.11	22.99	23.08	24.20
		1	24	22.98	22.93	23.05	24.20
		12	0	21.60	21.67	21.87	23.20
		12	6	21.69	21.68	21.81	23.20
		12	13	21.63	21.75	21.86	23.20
		25	0	21.60	21.60	21.81	23.20
	64QAM	1	0	22.83	21.87	22.80	23.20
		1	13	22.75	21.70	22.62	23.20
		1	24	22.88	21.96	22.85	23.20
		12	0	21.77	20.72	21.64	22.20
		12	6	21.73	20.66	21.76	22.20
		12	13	21.82	20.69	21.78	22.20
		25	0	21.84	20.62	21.73	22.20

Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	23.61	23.70	23.90	25.20
		1	25	23.46	23.58	23.51	25.20
		1	49	23.64	23.71	23.70	25.20
		25	0	22.32	22.39	22.24	23.70
		25	13	22.16	22.17	22.20	23.70
		25	25	22.15	22.15	22.35	23.70
		50	0	22.18	22.27	22.34	23.70
	16QAM	1	0	23.15	23.17	23.21	24.20
		1	25	22.78	22.93	22.80	24.20
		1	49	22.94	22.91	22.94	24.20
		25	0	21.76	21.72	21.82	23.20
		25	13	21.58	21.64	21.68	23.20
		25	25	21.60	21.67	21.80	23.20
		50	0	21.63	21.69	21.60	23.20
	64QAM	1	0	22.84	21.91	22.85	23.20
		1	25	22.76	21.73	22.62	23.20
		1	49	22.92	21.97	22.86	23.20
		25	0	21.80	20.75	21.67	22.20
		25	13	21.77	20.67	21.81	22.20
		25	25	21.86	20.74	21.81	22.20
		50	0	21.86	20.66	21.77	22.20

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	23.74	23.68	23.90	25.20
		1	38	23.77	23.75	23.70	25.20
		1	74	23.62	23.56	23.70	25.20
		36	0	22.20	22.26	22.44	23.70
		36	18	22.18	22.19	22.38	23.70
		36	39	22.22	22.34	22.27	23.70
		75	0	22.33	22.29	22.40	23.70
	16QAM	1	0	22.94	23.17	23.18	24.20
		1	38	23.05	23.02	23.03	24.20
		1	74	23.02	22.88	22.97	24.20
		36	0	21.82	21.72	21.91	23.20
		36	18	21.78	21.61	21.81	23.20
		36	39	21.65	21.77	21.70	23.20
		75	0	21.65	21.72	21.83	23.20
	64QAM	1	0	22.72	21.95	22.77	23.20
		1	38	22.81	21.97	22.74	23.20
		1	74	22.77	21.94	22.84	23.20
		36	0	21.76	20.92	21.80	22.20
		36	18	21.72	20.68	21.65	22.20
		36	39	21.73	20.83	21.62	22.20
		75	0	21.67	20.67	21.77	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	23.23	23.33	23.34	25.20
		1	50	23.37	23.41	23.47	25.20
		1	99	**23.98**	**23.98**	**23.98**	25.20
		50	0	22.40	22.23	**22.46**	23.70
		50	25	22.28	22.21	22.34	23.70
		50	50	22.37	22.32	22.31	23.70
		100	0	22.34	**22.39**	22.31	23.70
	16QAM	1	0	22.80	22.66	22.62	24.20
		1	50	22.69	22.70	22.84	24.20
		1	99	23.11	23.16	23.08	24.20
		50	0	21.82	21.81	21.90	23.20
		50	25	21.74	21.75	21.79	23.20
		50	50	21.77	21.78	21.76	23.20
		100	0	21.72	21.60	21.75	23.20
	64QAM	1	0	21.67	21.79	22.54	23.20
		1	50	21.75	21.84	22.58	23.20
		1	99	22.10	22.17	22.77	23.20
		50	0	20.67	20.86	21.79	22.20
		50	25	20.72	20.66	21.62	22.20
		50	50	20.66	20.84	21.61	22.20
		100	0	20.88	20.58	21.59	22.20

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LTE Band 4 Body Scene(0mm SAR sensor on Level D1)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	19.41	19.16	19.15	20.70
		1	2	19.29	19.16	19.16	20.70
		1	5	19.20	19.16	19.28	20.70
		3	0	19.10	19.20	19.01	20.70
		3	2	19.35	19.12	19.04	20.70
		3	3	19.05	19.20	19.02	20.70
		6	0	19.07	18.91	18.85	20.70
	16QAM	1	0	19.52	19.43	19.63	20.70
		1	2	18.89	18.84	19.15	20.70
		1	5	19.62	19.40	19.58	20.70
		3	0	19.35	19.32	19.32	20.70
		3	2	19.22	19.47	19.01	20.70
		3	3	19.45	18.99	18.96	20.70
		6	0	19.28	19.11	19.13	20.70
	64QAM	1	0	19.71	19.64	19.68	20.70
		1	2	19.62	19.50	19.50	20.70
		1	5	19.63	19.64	19.72	20.70
		3	0	19.57	19.46	19.65	20.70
		3	2	19.52	19.46	19.59	20.70
		3	3	19.58	19.57	19.56	20.70
		6	0	19.41	19.39	19.55	20.70
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	19.33	19.27	19.21	20.70
		1	7	18.40	18.67	18.64	20.70
		1	14	19.24	19.26	19.15	20.70
		8	0	19.27	19.27	19.28	20.70
		8	4	19.30	19.30	19.15	20.70
		8	7	19.29	19.21	19.26	20.70
		15	0	19.17	19.28	19.23	20.70
	16QAM	1	0	19.66	19.58	19.63	20.70
		1	7	19.31	19.14	18.98	20.70
		1	14	19.54	19.44	19.54	20.70
		8	0	19.00	19.10	19.26	20.70
		8	4	19.12	19.09	19.21	20.70
		8	7	19.09	19.17	18.88	20.70
		15	0	19.23	19.13	19.11	20.70
	64QAM	1	0	19.66	19.50	19.63	20.70
		1	7	19.43	19.38	19.34	20.70
		1	14	19.56	19.53	19.58	20.70
		8	0	19.42	19.36	19.48	20.70
		8	4	19.39	19.35	19.45	20.70
		8	7	19.40	19.40	19.40	20.70
		15	0	19.28	19.28	19.37	20.70

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Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	19.37	19.11	19.19	20.70
		1	13	19.26	19.13	19.14	20.70
		1	24	19.14	19.30	19.16	20.70
		12	0	19.25	19.31	19.24	20.70
		12	6	19.19	19.27	19.08	20.70
		12	13	19.19	19.35	19.19	20.70
		25	0	19.18	19.29	19.16	20.70
	16QAM	1	0	19.20	19.38	19.60	20.70
		1	13	19.08	19.41	19.22	20.70
		1	24	19.32	19.63	19.24	20.70
		12	0	19.29	19.40	19.14	20.70
		12	6	19.23	19.35	19.14	20.70
		12	13	19.11	19.26	19.20	20.70
		25	0	19.12	19.32	19.28	20.70
	64QAM	1	0	19.57	19.48	19.64	20.70
		1	13	19.63	19.50	19.55	20.70
		1	24	19.69	19.50	19.66	20.70
		12	0	19.34	19.42	19.33	20.70
		12	6	19.27	19.45	19.46	20.70
		12	13	19.46	19.27	19.40	20.70
		25	0	19.18	19.41	19.42	20.70

Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	19.39	19.25	19.36	20.70
		1	25	18.85	18.95	18.32	20.70
		1	49	19.16	19.09	19.15	20.70
		25	0	19.21	19.30	19.22	20.70
		25	13	19.18	19.31	19.30	20.70
		25	25	19.18	19.17	19.26	20.70
		50	0	19.35	19.14	19.28	20.70
	16QAM	1	0	19.74	19.42	19.54	20.70
		1	25	19.68	18.65	18.63	20.70
		1	49	19.40	19.22	19.11	20.70
		25	0	19.18	19.40	19.28	20.70
		25	13	19.29	19.24	19.16	20.70
		25	25	19.21	19.31	19.08	20.70
		50	0	19.08	19.11	19.05	20.70
	64QAM	1	0	19.74	19.55	19.64	20.70
		1	25	19.42	19.25	19.32	20.70
		1	49	19.63	19.55	19.63	20.70
		25	0	19.23	19.30	19.31	20.70
		25	13	19.39	19.29	19.45	20.70
		25	25	19.34	19.29	19.37	20.70
		50	0	19.21	19.21	19.41	20.70

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Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	19.43	19.15	19.22	20.70
		1	38	19.37	19.23	19.13	20.70
		1	74	19.14	19.20	19.04	20.70
		36	0	19.28	19.33	19.37	20.70
		36	18	19.19	19.21	19.15	20.70
		36	39	19.16	19.16	19.17	20.70
		75	0	19.29	19.25	19.28	20.70
	16QAM	1	0	19.73	19.53	19.60	20.70
		1	38	19.55	19.60	19.30	20.70
		1	74	19.44	19.64	19.56	20.70
		36	0	19.11	19.36	19.27	20.70
		36	18	19.25	19.25	19.18	20.70
		36	39	19.05	19.30	19.22	20.70
		75	0	19.05	19.08	19.24	20.70
	64QAM	1	0	19.62	19.54	19.64	20.70
		1	38	19.75	19.73	19.53	20.70
		1	74	19.71	19.52	19.57	20.70
		36	0	19.28	19.43	19.41	20.70
		36	18	19.43	19.39	19.25	20.70
		36	39	19.29	19.44	19.38	20.70
		75	0	19.44	19.29	19.28	20.70

Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	18.84	18.71	18.95	20.70
		1	50	19.19	19.22	18.81	20.70
		1	99	**19.54**	**19.54**	**19.38**	20.70
		50	0	**19.42**	**19.50**	**19.49**	20.70
		50	25	19.11	19.29	19.13	20.70
		50	50	19.28	19.24	19.28	20.70
		100	0	19.17	**19.38**	19.13	20.70
	16QAM	1	0	19.35	19.40	19.37	20.70
		1	50	19.18	18.81	19.30	20.70
		1	99	19.76	19.43	19.41	20.70
		50	0	19.16	19.28	19.29	20.70
		50	25	19.10	19.04	19.17	20.70
		50	50	19.15	19.16	19.11	20.70
		100	0	19.09	19.11	19.20	20.70
	64QAM	1	0	19.31	19.28	19.16	20.70
		1	50	19.30	19.25	19.30	20.70
		1	99	19.74	19.64	19.67	20.70
		50	0	19.45	19.47	19.39	20.70
		50	25	19.39	19.42	19.28	20.70
		50	50	19.42	19.31	19.30	20.70
		100	0	19.31	19.29	19.32	20.70

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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	17.22	17.25	17.32	18.70
		1	2	16.78	16.92	16.92	18.70
		1	5	17.21	17.27	17.31	18.70
		3	0	17.02	17.15	17.24	18.70
		3	2	16.91	17.08	17.00	18.70
		3	3	17.17	17.11	17.16	18.70
		6	0	17.10	17.14	17.09	18.70
	16QAM	1	0	17.47	17.47	17.56	18.70
		1	2	17.09	17.04	17.09	18.70
		1	5	17.46	17.48	17.62	18.70
		3	0	17.20	17.20	17.17	18.70
		3	2	17.04	17.11	16.96	18.70
		3	3	17.10	17.12	17.21	18.70
		6	0	17.03	17.17	17.20	18.70
	64QAM	1	0	17.24	17.26	17.35	18.70
		1	2	17.27	17.33	17.22	18.70
		1	5	17.59	17.56	17.62	18.70
		3	0	17.28	17.24	17.21	18.70
		3	2	17.54	17.60	17.62	18.70
		3	3	17.39	17.36	17.33	18.70
		6	0	17.19	17.29	17.08	18.70
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	17.28	17.27	17.30	18.70
		1	7	16.83	16.70	16.80	18.70
		1	14	17.23	17.29	17.30	18.70
		8	0	17.16	17.13	17.12	18.70
		8	4	17.17	17.21	17.16	18.70
		8	7	17.13	17.14	17.23	18.70
		15	0	17.17	17.25	17.30	18.70
	16QAM	1	0	17.45	17.52	17.54	18.70
		1	7	16.94	16.94	16.99	18.70
		1	14	17.52	17.58	17.56	18.70
		8	0	17.08	17.12	17.14	18.70
		8	4	17.12	17.15	17.18	18.70
		8	7	17.12	17.20	17.14	18.70
		15	0	17.11	17.20	17.13	18.70
	64QAM	1	0	17.25	17.24	17.33	18.70
		1	7	17.33	17.39	17.46	18.70
		1	14	17.60	17.60	17.61	18.70
		8	0	17.11	17.02	17.14	18.70
		8	4	17.59	17.59	17.58	18.70
		8	7	17.18	17.31	17.30	18.70
		15	0	17.20	17.23	17.37	18.70

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Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	17.24	17.29	17.36	18.70
		1	13	17.26	17.28	17.30	18.70
		1	24	17.17	17.27	17.30	18.70
		12	0	17.24	17.30	17.37	18.70
		12	6	17.23	17.28	17.31	18.70
		12	13	17.30	17.33	17.39	18.70
		25	0	17.26	17.25	17.32	18.70
	16QAM	1	0	17.44	17.53	17.60	18.70
		1	13	17.48	17.49	17.54	18.70
		1	24	17.50	17.43	17.59	18.70
		12	0	17.26	17.26	17.26	18.70
		12	6	17.21	17.19	17.21	18.70
		12	13	17.28	17.27	17.35	18.70
		25	0	17.23	17.21	17.16	18.70
	64QAM	1	0	17.43	17.51	17.58	18.70
		1	13	17.34	17.42	17.44	18.70
		1	24	17.62	17.57	17.61	18.70
		12	0	17.61	17.58	17.62	18.70
		12	6	17.60	17.51	17.59	18.70
		12	13	17.40	17.41	17.34	18.70
		25	0	17.37	17.30	17.39	18.70

Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	17.27	17.25	17.37	18.70
		1	25	16.99	16.98	17.05	18.70
		1	49	17.23	17.24	17.32	18.70
		25	0	17.29	17.28	17.33	18.70
		25	13	17.24	17.28	17.31	18.70
		25	25	17.25	17.27	17.33	18.70
		50	0	17.26	17.28	17.30	18.70
	16QAM	1	0	17.53	17.49	17.56	18.70
		1	25	17.24	17.16	17.24	18.70
		1	49	17.47	17.46	17.52	18.70
		25	0	17.10	17.18	17.27	18.70
		25	13	17.19	17.19	17.15	18.70
		25	25	17.14	17.14	17.28	18.70
		50	0	17.19	17.19	17.16	18.70
	64QAM	1	0	17.56	17.57	17.56	18.70
		1	25	17.61	17.59	17.58	18.70
		1	49	17.62	17.61	17.62	18.70
		25	0	17.59	17.54	17.60	18.70
		25	13	17.60	17.61	17.58	18.70
		25	25	17.56	17.59	17.56	18.70
		50	0	17.58	17.62	17.60	18.70

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Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	17.16	17.34	17.26	18.70
		1	38	17.24	17.26	17.25	18.70
		1	74	17.11	17.19	17.25	18.70
		36	0	17.32	17.31	17.33	18.70
		36	18	17.26	17.27	17.31	18.70
		36	39	17.26	17.27	17.38	18.70
		75	0	17.26	17.27	17.32	18.70
	16QAM	1	0	17.42	17.52	17.54	18.70
		1	38	17.42	17.53	17.44	18.70
		1	74	17.45	17.36	17.42	18.70
		36	0	17.27	17.32	17.28	18.70
		36	18	17.21	17.24	17.24	18.70
		36	39	17.24	17.21	17.32	18.70
		75	0	17.17	17.17	17.23	18.70
	64QAM	1	0	17.62	17.62	17.52	18.70
		1	38	17.59	17.57	17.59	18.70
		1	74	17.62	17.58	17.54	18.70
		36	0	17.59	17.59	17.57	18.70
		36	18	17.61	17.61	17.62	18.70
		36	39	17.58	17.59	17.59	18.70
		75	0	17.62	17.61	17.62	18.70
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	16.93	16.92	16.95	18.70
		1	50	16.96	17.00	17.03	18.70
		1	99	17.35	17.32	**17.40**	18.70
		50	0	17.30	**17.38**	17.36	18.70
		50	25	17.28	17.30	17.31	18.70
		50	50	17.33	17.32	17.36	18.70
		100	0	17.18	17.31	17.34	18.70
	16QAM	1	0	17.18	17.13	17.17	18.70
		1	50	17.36	17.26	17.39	18.70
		1	99	17.63	17.62	17.60	18.70
		50	0	17.28	17.31	17.29	18.70
		50	25	17.12	17.19	17.17	18.70
		50	50	17.25	17.25	17.31	18.70
		100	0	17.26	17.28	17.20	18.70
	64QAM	1	0	17.61	17.62	17.61	18.70
		1	50	17.50	17.53	17.50	18.70
		1	99	17.60	17.62	17.61	18.70
		50	0	17.61	17.56	17.60	18.70
		50	25	17.52	17.58	17.59	18.70
		50	50	17.59	17.62	17.48	18.70
		100	0	17.61	17.58	17.53	18.70

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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	12.74	12.77	12.76	14.20
		1	2	11.95	11.96	11.79	14.20
		1	5	12.76	12.83	12.81	14.20
		3	0	12.55	12.73	12.65	14.20
		3	2	12.66	12.47	12.44	14.20
		3	3	12.48	12.64	12.60	14.20
		6	0	12.38	12.62	12.61	14.20
	16QAM	1	0	12.93	12.59	12.68	14.20
		1	2	12.97	12.57	12.65	14.20
		1	5	12.48	12.59	12.87	14.20
		3	0	12.60	12.52	12.52	14.20
		3	2	12.69	12.40	12.57	14.20
		3	3	12.43	12.49	12.37	14.20
		6	0	12.44	12.63	12.50	14.20
	64QAM	1	0	13.01	13.07	13.02	14.20
		1	2	13.05	13.01	13.03	14.20
		1	5	13.03	13.05	13.05	14.20
		3	0	13.02	13.04	13.01	14.20
		3	2	13.05	13.03	13.06	14.20
		3	3	13.07	13.07	13.07	14.20
		6	0	13.01	13.01	13.03	14.20
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	12.78	12.72	12.65	14.20
		1	7	12.23	11.91	12.12	14.20
		1	14	12.87	12.83	12.69	14.20
		8	0	12.53	12.58	12.61	14.20
		8	4	12.58	12.62	12.62	14.20
		8	7	12.55	12.59	12.65	14.20
		15	0	12.53	12.58	12.59	14.20
	16QAM	1	0	12.94	12.88	12.84	14.20
		1	7	12.48	12.06	12.21	14.20
		1	14	12.63	12.89	12.64	14.20
		8	0	12.65	12.50	12.43	14.20
		8	4	12.52	12.55	12.54	14.20
		8	7	12.66	12.65	12.53	14.20
		15	0	12.69	12.76	12.73	14.20
	64QAM	1	0	13.02	13.03	13.02	14.20
		1	7	13.07	13.05	13.06	14.20
		1	14	13.03	13.06	13.02	14.20
		8	0	13.05	13.04	13.06	14.20
		8	4	13.02	13.01	13.07	14.20
		8	7	13.02	13.01	13.05	14.20
		15	0	13.05	13.04	13.06	14.20

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Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	12.79	12.71	12.84	14.20
		1	13	12.71	12.70	12.58	14.20
		1	24	12.75	12.78	12.76	14.20
		12	0	12.80	12.77	12.76	14.20
		12	6	12.64	12.65	12.43	14.20
		12	13	12.76	12.76	12.80	14.20
		25	0	12.73	12.62	12.66	14.20
	16QAM	1	0	12.87	12.96	13.05	14.20
		1	13	13.03	13.03	12.80	14.20
		1	24	12.92	12.87	12.92	14.20
		12	0	12.53	12.75	12.65	14.20
		12	6	12.73	12.62	12.59	14.20
		12	13	12.77	12.77	12.74	14.20
		25	0	12.71	12.71	12.60	14.20
	64QAM	1	0	13.02	13.04	13.07	14.20
		1	13	13.01	13.00	13.03	14.20
		1	24	13.06	13.03	13.02	14.20
		12	0	13.08	13.04	13.06	14.20
		12	6	13.01	13.05	13.01	14.20
		12	13	13.04	13.02	13.03	14.20
		25	0	13.06	13.06	13.07	14.20

Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	12.69	12.77	12.76	14.20
		1	25	12.59	12.56	12.42	14.20
		1	49	12.67	12.70	12.79	14.20
		25	0	12.81	12.71	12.70	14.20
		25	13	12.73	12.60	12.66	14.20
		25	25	12.73	12.74	12.77	14.20
		50	0	12.71	12.76	12.75	14.20
	16QAM	1	0	13.09	12.41	12.59	14.20
		1	25	12.66	12.15	12.21	14.20
		1	49	12.97	12.65	12.41	14.20
		25	0	12.78	12.68	12.67	14.20
		25	13	12.64	12.70	12.52	14.20
		25	25	12.66	12.69	12.67	14.20
		50	0	12.66	12.66	12.67	14.20
	64QAM	1	0	13.47	13.44	13.48	14.20
		1	25	13.17	13.21	13.11	14.20
		1	49	13.37	13.42	13.43	14.20
		25	0	13.28	13.32	13.29	14.20
		25	13	13.25	13.26	13.22	14.20
		25	25	13.25	13.27	13.23	14.20
		50	0	13.26	13.29	13.22	14.20

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Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	12.62	12.68	12.67	14.20
		1	38	12.80	12.81	12.66	14.20
		1	74	12.59	12.62	12.69	14.20
		36	0	12.82	12.86	12.81	14.20
		36	18	12.72	12.73	12.64	14.20
		36	39	12.71	12.71	12.75	14.20
		75	0	12.76	12.76	12.78	14.20
	16QAM	1	0	12.81	12.84	12.94	14.20
		1	38	12.96	13.13	12.60	14.20
		1	74	12.84	12.82	13.06	14.20
		36	0	12.70	12.75	12.68	14.20
		36	18	12.65	12.66	12.66	14.20
		36	39	12.60	12.68	12.70	14.20
		75	0	12.61	12.69	12.73	14.20
	64QAM	1	0	13.40	13.31	13.45	14.20
		1	38	13.39	13.44	13.38	14.20
		1	74	13.43	13.37	13.38	14.20
		36	0	13.35	13.29	13.23	14.20
		36	18	13.26	13.35	13.26	14.20
		36	39	13.29	13.32	13.26	14.20
		75	0	13.25	13.29	13.31	14.20

Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	12.32	12.35	12.43	14.20
		1	50	12.29	12.82	12.51	14.20
		1	99	12.84	12.76	12.88	14.20
		50	0	12.76	12.83	12.73	14.20
		50	25	12.66	12.71	12.65	14.20
		50	50	12.73	12.62	12.72	14.20
		100	0	12.71	12.74	12.68	14.20
	16QAM	1	0	12.59	12.63	12.67	14.20
		1	50	11.99	12.64	12.73	14.20
		1	99	13.01	13.00	12.96	14.20
		50	0	12.82	12.69	12.60	14.20
		50	25	12.63	12.63	12.54	14.20
		50	50	12.63	12.63	12.68	14.20
		100	0	12.67	12.66	12.72	14.20
	64QAM	1	0	13.10	12.95	13.03	14.20
		1	50	13.04	13.34	13.30	14.20
		1	99	13.50	13.50	13.52	14.20
		50	0	13.26	13.30	13.23	14.20
		50	25	13.21	13.30	13.25	14.20
		50	50	13.37	13.33	13.26	14.20
		100	0	13.27	13.30	13.26	14.20

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LTE Band 5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20407	Channel 20525	Channel 20643	Tune up
1.4MHz	QPSK	1	0	24.01	24.28	24.12	25.50
		1	2	23.65	23.79	23.67	25.50
		1	5	24.28	24.29	23.95	25.50
		3	0	23.94	23.92	23.89	25.50
		3	2	23.81	23.84	23.82	25.50
		3	3	23.88	23.89	23.98	25.50
		6	0	22.41	22.46	22.40	24.50
	16QAM	1	0	23.26	23.55	23.38	24.50
		1	2	23.05	23.14	22.95	24.50
		1	5	23.41	23.59	23.29	24.50
		3	0	22.89	23.21	22.93	24.50
		3	2	22.84	22.90	22.89	24.50
		3	3	22.92	23.23	23.21	24.50
		6	0	21.91	22.00	22.07	23.50
	64QAM	1	0	22.39	22.52	22.66	23.50
		1	2	22.37	22.36	22.40	23.50
		1	5	22.41	22.35	22.68	23.50
		3	0	22.34	22.46	22.52	23.50
		3	2	22.34	22.26	22.29	23.50
		3	3	22.31	22.40	22.48	23.50
		6	0	21.22	21.26	21.34	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 20415	Channel 20525	Channel 20635	Tune up
3MHz	QPSK	1	0	24.00	24.25	24.17	25.50
		1	7	23.58	23.48	23.58	25.50
		1	14	24.24	24.26	24.14	25.50
		8	0	22.66	22.74	22.62	24.50
		8	4	22.39	22.47	22.47	24.50
		8	7	22.62	22.67	22.60	24.50
		15	0	22.56	22.73	22.45	24.50
	16QAM	1	0	23.23	23.54	23.44	24.50
		1	7	22.74	22.83	22.61	24.50
		1	14	23.22	23.59	23.22	24.50
		8	0	21.88	22.19	21.91	23.50
		8	4	21.91	22.15	21.93	23.50
		8	7	22.19	22.18	22.08	23.50
		15	0	22.14	22.18	22.09	23.50
	64QAM	1	0	22.79	22.36	22.67	23.50
		1	7	21.81	22.07	22.03	23.50
		1	14	22.51	22.43	22.59	23.50
		8	0	21.32	21.26	21.49	22.50
		8	4	21.31	21.35	21.47	22.50
		8	7	21.50	21.36	21.49	22.50
		15	0	21.34	21.27	21.44	22.50

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Bandwidth	Modulation	RB size	RB offset	Channel 20425	Channel 20525	Channel 20625	Tune up
5MHz	QPSK	1	0	24.00	24.26	24.25	25.50
		1	13	24.20	24.27	24.16	25.50
		1	24	24.20	24.27	23.86	25.50
		12	0	22.68	22.84	22.74	24.50
		12	6	22.56	22.75	22.70	24.50
		12	13	22.69	22.92	22.65	24.50
		25	0	22.59	22.75	22.50	24.50
	16QAM	1	0	23.14	23.51	23.42	24.50
		1	13	23.22	23.56	23.39	24.50
		1	24	23.34	23.49	23.24	24.50
		12	0	22.17	22.29	22.21	23.50
		12	6	22.04	22.18	22.14	23.50
		12	13	22.17	22.26	22.00	23.50
		25	0	21.99	22.20	22.12	23.50
	64QAM	1	0	22.53	22.50	22.52	23.50
		1	13	22.74	22.44	22.66	23.50
		1	24	22.77	22.42	22.59	23.50
		12	0	21.58	21.46	21.46	22.50
		12	6	21.44	21.25	21.51	22.50
		12	13	21.53	21.34	21.46	22.50
		25	0	21.17	21.24	21.45	22.50

Bandwidth	Modulation	RB size	RB offset	Channel 20450	Channel 20525	Channel 20600	Tune up
10MHz	QPSK	1	0	24.02	23.85	23.93	25.50
		1	25	23.85	23.85	23.86	25.50
		1	49	24.30	**24.30**	23.87	25.50
		25	0	22.77	22.85	22.78	24.50
		25	13	22.69	22.78	22.61	24.50
		25	25	22.80	**22.86**	22.70	24.50
		50	0	22.76	22.88	22.61	24.50
	16QAM	1	0	23.23	23.30	23.58	24.50
		1	25	23.05	23.07	23.20	24.50
		1	49	23.50	23.60	23.15	24.50
		25	0	22.21	22.23	22.22	23.50
		25	13	22.19	22.22	22.05	23.50
		25	25	22.25	22.30	22.16	23.50
		50	0	22.20	22.31	22.16	23.50
	64QAM	1	0	22.21	22.40	22.63	23.50
		1	25	22.23	22.01	22.29	23.50
		1	49	22.66	22.47	22.97	23.50
		25	0	21.21	21.45	21.27	22.50
		25	13	21.49	21.20	21.54	22.50
		25	25	21.57	21.20	21.50	22.50
		50	0	21.62	21.08	21.62	22.50

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LTE Band 7 Head Scene(receiver on)+SAR sensor off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	23.00	22.87	23.02	24.70
		1	13	23.09	23.09	23.07	24.70
		1	24	22.93	23.07	23.06	24.70
		12	0	22.08	22.00	22.10	23.70
		12	6	22.07	21.89	22.10	23.70
		12	13	22.10	22.10	22.21	23.70
		25	0	22.03	22.05	22.15	23.70
	16QAM	1	0	22.32	22.22	22.34	23.70
		1	13	22.30	22.16	22.39	23.70
		1	24	22.29	22.34	22.35	23.70
		12	0	21.07	20.90	21.13	22.70
		12	6	21.03	20.84	21.05	22.70
		12	13	21.06	21.06	21.20	22.70
		25	0	20.99	21.01	21.08	22.70
	64QAM	1	0	22.23	21.98	22.37	22.70
		1	13	21.95	21.91	21.92	22.70
		1	24	22.29	22.15	22.23	22.70
		12	0	21.22	21.07	21.25	21.70
		12	6	21.21	21.02	21.18	21.70
		12	13	21.18	21.02	21.16	21.70
		25	0	21.21	21.02	21.18	21.70
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	22.90	22.98	23.10	24.70
		1	25	22.72	22.79	22.92	24.70
		1	49	22.95	22.97	23.06	24.70
		25	0	22.14	22.08	22.15	23.70
		25	13	21.87	22.08	21.99	23.70
		25	25	22.11	22.08	22.15	23.70
		50	0	22.09	22.04	22.11	23.70
	16QAM	1	0	22.35	22.13	22.45	23.70
		1	25	21.94	22.06	22.03	23.70
		1	49	22.21	22.29	22.41	23.70
		25	0	21.06	21.01	21.08	22.70
		25	13	21.06	21.01	21.03	22.70
		25	25	21.04	21.01	21.09	22.70
		50	0	21.05	20.97	21.05	22.70
	64QAM	1	0	22.26	22.02	22.38	22.70
		1	25	21.97	21.91	21.96	22.70
		1	49	22.33	22.17	22.25	22.70
		25	0	21.23	21.12	21.30	21.70
		25	13	21.24	21.06	21.20	21.70
		25	25	21.21	21.03	21.19	21.70
		50	0	21.23	21.06	21.19	21.70

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Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	22.92	22.98	23.03	24.70
		1	38	23.13	23.17	23.13	24.70
		1	74	22.99	22.96	23.21	24.70
		36	0	22.21	22.14	22.13	23.70
		36	18	22.14	22.11	22.17	23.70
		36	39	22.12	22.17	22.21	23.70
		75	0	22.15	22.09	22.16	23.70
	16QAM	1	0	22.42	22.08	22.32	23.70
		1	38	22.40	22.43	22.52	23.70
		1	74	22.27	22.24	22.49	23.70
		36	0	21.17	21.07	21.09	22.70
		36	18	21.08	21.05	21.12	22.70
		36	39	21.08	21.11	21.15	22.70
		75	0	21.08	21.00	21.09	22.70
	64QAM	1	0	22.37	22.28	22.10	22.70
		1	38	22.29	22.07	22.37	22.70
		1	74	22.21	22.16	22.24	22.70
		36	0	21.35	20.94	21.26	21.70
		36	18	21.23	21.08	21.21	21.70
		36	39	21.19	21.09	21.19	21.70
		75	0	21.22	21.04	21.19	21.70
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	**23.23**	22.94	23.01	24.70
		1	50	22.62	22.68	22.70	24.70
		1	99	23.22	23.11	23.16	24.70
		50	0	22.19	22.10	22.08	23.70
		50	25	22.07	22.08	22.09	23.70
		50	50	22.00	22.14	**22.21**	23.70
		100	0	22.12	22.11	22.06	23.70
	16QAM	1	0	22.50	22.23	22.26	23.70
		1	50	21.88	21.94	21.96	23.70
		1	99	22.43	22.34	22.49	23.70
		50	0	21.12	21.03	21.03	22.70
		50	25	21.03	20.99	21.03	22.70
		50	50	20.95	21.09	21.12	22.70
		100	0	21.07	21.04	21.00	22.70
	64QAM	1	0	22.37	22.22	22.42	22.70
		1	50	21.99	21.97	22.00	22.70
		1	99	22.26	22.29	22.30	22.70
		50	0	21.36	21.17	21.14	21.70
		50	25	21.22	21.08	21.05	21.70
		50	50	21.17	21.08	21.08	21.70
		100	0	21.25	21.11	21.11	21.70

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LTE Band 7 Body Scene(0mm SAR sensor on Level D1)&Wifi Hotspot on(10mm SAR sensor off)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	20.02	19.91	20.07	21.70
		1	13	20.06	19.95	20.11	21.70
		1	24	19.94	20.08	20.08	21.70
		12	0	19.98	19.96	20.13	21.70
		12	6	20.02	19.89	20.07	21.70
		12	13	20.05	20.12	20.10	21.70
		25	0	19.97	20.08	20.06	21.70
	16QAM	1	0	20.36	20.16	20.44	21.70
		1	13	20.39	20.26	20.47	21.70
		1	24	20.29	20.39	20.34	21.70
		12	0	20.05	19.91	20.10	21.70
		12	6	20.02	19.85	20.08	21.70
		12	13	19.96	20.08	20.10	21.70
		25	0	19.88	20.04	20.01	21.70
	64QAM	1	0	20.19	20.27	20.17	21.70
		1	13	20.16	20.16	20.22	21.70
		1	24	20.51	20.23	20.52	21.70
		12	0	20.48	20.44	20.61	21.70
		12	6	20.36	20.51	20.53	21.70
		12	13	20.22	20.05	20.25	21.70
		25	0	20.21	20.05	20.28	21.70
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	19.92	19.93	20.10	21.70
		1	25	19.73	19.81	19.89	21.70
		1	49	20.04	20.13	20.16	21.70
		25	0	19.94	19.92	20.00	21.70
		25	13	20.10	20.07	19.97	21.70
		25	25	20.07	20.08	20.13	21.70
		50	0	20.10	20.06	20.10	21.70
	16QAM	1	0	20.34	20.17	20.45	21.70
		1	25	19.89	20.16	20.06	21.70
		1	49	20.24	20.41	20.48	21.70
		25	0	19.89	19.84	19.94	21.70
		25	13	19.88	20.02	19.90	21.70
		25	25	20.06	20.01	20.08	21.70
		50	0	20.07	19.99	20.06	21.70
	64QAM	1	0	20.36	20.23	20.66	21.70
		1	25	19.99	20.05	20.21	21.70
		1	49	20.47	20.15	20.46	21.70
		25	0	20.36	20.19	20.49	21.70
		25	13	20.26	20.09	20.45	21.70
		25	25	20.18	20.07	20.45	21.70
		50	0	20.43	20.11	20.44	21.70

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Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	19.93	19.87	20.05	21.70
		1	38	19.90	20.10	20.16	21.70
		1	74	20.01	19.96	20.18	21.70
		36	0	20.15	20.04	20.11	21.70
		36	18	20.11	20.08	20.15	21.70
		36	39	20.11	20.14	20.18	21.70
		75	0	20.13	20.08	20.13	21.70
	16QAM	1	0	20.34	20.12	20.27	21.70
		1	38	20.39	20.24	20.37	21.70
		1	74	20.30	20.29	20.36	21.70
		36	0	19.94	19.86	20.06	21.70
		36	18	20.10	20.03	20.10	21.70
		36	39	20.08	20.08	20.14	21.70
		75	0	20.08	20.01	20.07	21.70
	64QAM	1	0	20.53	20.42	20.44	21.70
		1	38	20.33	20.47	20.67	21.70
		1	74	20.31	20.17	20.51	21.70
		36	0	20.36	20.16	20.32	21.70
		36	18	20.23	20.14	20.38	21.70
		36	39	20.20	20.14	20.46	21.70
		75	0	20.22	20.13	20.33	21.70

Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	20.08	20.15	19.98	21.70
		1	50	19.85	19.84	19.83	21.70
		1	99	20.21	**20.27**	20.23	21.70
		50	0	**20.19**	20.12	20.14	21.70
		50	25	20.11	20.10	20.14	21.70
		50	50	20.12	20.18	20.09	21.70
		100	0	20.17	20.13	20.20	21.70
	16QAM	1	0	20.42	20.33	20.30	21.70
		1	50	20.25	20.17	20.22	21.70
		1	99	20.69	20.53	20.59	21.70
		50	0	20.15	20.05	20.03	21.70
		50	25	20.05	20.02	20.06	21.70
		50	50	20.00	20.13	20.15	21.70
		100	0	20.10	20.06	19.97	21.70
	64QAM	1	0	20.61	20.48	20.41	21.70
		1	50	20.05	19.90	19.91	21.70
		1	99	20.67	20.23	20.52	21.70
		50	0	20.30	20.16	20.21	21.70
		50	25	20.18	20.09	20.11	21.70
		50	50	20.36	20.11	20.20	21.70
		100	0	20.20	20.13	20.39	21.70

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LTE Band 7 Body Scene(0mm SAR sensor on Level D2)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	21.70	21.65	21.80	23.20
		1	13	21.69	21.69	21.70	23.20
		1	24	21.87	21.63	21.82	23.20
		12	0	21.72	21.64	21.73	23.20
		12	6	21.65	21.52	21.65	23.20
		12	13	21.91	21.71	21.70	23.20
		25	0	21.67	21.69	21.70	23.20
	16QAM	1	0	21.86	21.91	22.08	23.20
		1	13	21.94	22.04	22.01	23.20
		1	24	21.96	22.02	21.92	23.20
		12	0	21.25	21.04	21.38	22.70
		12	6	21.20	20.97	21.27	22.70
		12	13	21.36	21.21	21.36	22.70
		25	0	21.11	21.16	21.30	22.70
	64QAM	1	0	21.48	21.28	21.23	22.70
		1	13	21.35	21.17	21.19	22.70
		1	24	21.40	21.07	21.26	22.70
		12	0	20.44	20.22	20.24	21.70
		12	6	20.36	20.29	20.34	21.70
		12	13	20.42	20.17	20.25	21.70
		25	0	20.47	20.22	20.37	21.70
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	21.84	21.62	21.68	23.20
		1	25	21.51	21.32	21.55	23.20
		1	49	21.76	21.49	21.80	23.20
		25	0	21.65	21.72	21.75	23.20
		25	13	21.64	21.66	21.63	23.20
		25	25	21.87	21.64	21.62	23.20
		50	0	21.66	21.63	21.61	23.20
	16QAM	1	0	21.87	22.06	22.01	23.20
		1	25	21.67	21.49	21.79	23.20
		1	49	22.01	21.84	21.88	23.20
		25	0	21.23	21.16	21.28	22.70
		25	13	21.18	21.16	21.24	22.70
		25	25	21.29	21.12	21.26	22.70
		50	0	21.33	21.11	21.24	22.70
	64QAM	1	0	21.39	21.34	21.18	22.70
		1	25	21.37	21.23	21.13	22.70
		1	49	21.39	21.14	21.23	22.70
		25	0	20.45	20.24	20.22	21.70
		25	13	20.35	20.23	20.35	21.70
		25	25	20.47	20.23	20.34	21.70
		50	0	20.35	20.17	20.35	21.70

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	21.86	21.55	21.79	23.20
		1	38	21.65	21.73	21.65	23.20
		1	74	21.73	21.46	21.63	23.20
		36	0	21.70	21.64	21.86	23.20
		36	18	21.87	21.57	21.70	23.20
		36	39	21.80	21.57	21.65	23.20
		75	0	21.65	21.54	21.68	23.20
	16QAM	1	0	21.95	21.99	22.00	23.20
		1	38	21.90	21.93	21.83	23.20
		1	74	21.88	21.78	21.76	23.20
		36	0	21.29	21.06	21.30	22.70
		36	18	21.28	20.95	21.14	22.70
		36	39	21.22	20.99	21.26	22.70
		75	0	21.32	20.96	21.20	22.70
	64QAM	1	0	21.38	21.22	21.19	22.70
		1	38	21.28	21.22	21.19	22.70
		1	74	21.40	21.08	21.32	22.70
		36	0	20.41	20.26	20.32	21.70
		36	18	20.33	20.30	20.32	21.70
		36	39	20.42	20.19	20.25	21.70
		75	0	20.45	20.21	20.26	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	21.87	21.72	21.88	23.20
		1	50	21.48	21.39	21.37	23.20
		1	99	21.76	21.58	21.63	23.20
		50	0	21.68	21.60	21.69	23.20
		50	25	21.82	21.55	21.67	23.20
		50	50	21.78	21.53	21.69	23.20
		100	0	21.87	21.51	21.56	23.20
	16QAM	1	0	22.09	22.00	21.88	23.20
		1	50	21.65	21.71	21.74	23.20
		1	99	21.93	21.74	21.87	23.20
		50	0	21.31	21.15	21.11	22.70
		50	25	21.21	21.03	21.03	22.70
		50	50	21.20	21.00	21.13	22.70
		100	0	21.24	21.04	21.03	22.70
	64QAM	1	0	21.51	21.29	21.28	22.70
		1	50	21.41	21.19	21.11	22.70
		1	99	21.37	21.13	21.31	22.70
		50	0	20.37	20.26	20.33	21.70
		50	25	20.30	20.17	20.37	21.70
		50	50	20.39	20.14	20.30	21.70
		100	0	20.38	20.21	20.30	21.70

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LTE Band 7 SAR sensor on+Wifi Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	16.84	16.75	16.80	18.70
		1	13	16.88	16.81	16.72	18.70
		1	24	16.83	16.92	16.73	18.70
		12	0	16.82	16.86	16.83	18.70
		12	6	16.83	16.74	16.79	18.70
		12	13	16.78	16.94	16.74	18.70
		25	0	16.71	16.92	16.76	18.70
	16QAM	1	0	16.98	17.16	17.34	18.70
		1	13	17.00	17.19	17.32	18.70
		1	24	16.95	17.08	17.11	18.70
		12	0	16.71	16.70	16.55	18.70
		12	6	16.72	16.83	16.79	18.70
		12	13	16.66	16.93	16.72	18.70
		25	0	16.61	16.73	16.61	18.70
	64QAM	1	0	17.54	17.26	17.45	18.70
		1	13	17.27	17.00	17.27	18.70
		1	24	17.37	17.10	17.51	18.70
		12	0	17.39	17.10	17.38	18.70
		12	6	17.32	17.10	17.38	18.70
		12	13	17.21	17.07	17.37	18.70
		25	0	17.38	17.10	17.28	18.70
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	16.87	16.68	16.79	18.70
		1	25	16.67	16.16	16.73	18.70
		1	49	16.80	16.76	16.72	18.70
		25	0	16.88	16.68	16.78	18.70
		25	13	16.81	16.68	16.72	18.70
		25	25	16.91	16.77	16.93	18.70
		50	0	16.84	16.67	16.81	18.70
	16QAM	1	0	16.60	16.88	17.10	18.70
		1	25	17.07	16.25	16.73	18.70
		1	49	16.85	17.30	17.00	18.70
		25	0	16.90	16.71	16.75	18.70
		25	13	16.82	16.71	16.74	18.70
		25	25	16.92	16.79	16.67	18.70
		50	0	16.75	16.80	16.70	18.70
	64QAM	1	0	17.59	17.28	17.47	18.70
		1	25	17.28	17.00	17.31	18.70
		1	49	17.40	17.12	17.53	18.70
		25	0	17.42	17.15	17.42	18.70
		25	13	17.32	17.14	17.38	18.70
		25	25	17.25	17.08	17.38	18.70
		50	0	17.41	17.10	17.28	18.70

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Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	16.87	16.77	16.79	18.70
		1	38	16.99	16.84	16.82	18.70
		1	74	16.95	16.77	16.87	18.70
		36	0	16.89	16.82	16.81	18.70
		36	18	16.86	16.84	16.79	18.70
		36	39	16.91	16.93	16.79	18.70
		75	0	16.98	16.83	16.77	18.70
	16QAM	1	0	17.22	16.83	17.01	18.70
		1	38	17.22	17.30	17.19	18.70
		1	74	17.34	17.13	17.00	18.70
		36	0	16.88	16.80	16.71	18.70
		36	18	16.90	16.69	16.63	18.70
		36	39	16.82	16.86	16.77	18.70
		75	0	16.83	16.70	16.75	18.70
	64QAM	1	0	17.49	17.45	17.47	18.70
		1	38	17.45	17.41	17.48	18.70
		1	74	17.30	17.30	17.38	18.70
		36	0	17.45	17.21	17.37	18.70
		36	18	17.33	17.14	17.38	18.70
		36	39	17.34	17.12	17.37	18.70
		75	0	17.43	17.11	17.33	18.70

Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	17.02	16.93	16.99	18.70
		1	50	16.62	16.60	16.29	18.70
		1	99	17.20	16.96	16.93	18.70
		50	0	16.87	16.83	16.91	18.70
		50	25	16.86	16.80	16.68	18.70
		50	50	16.98	16.91	16.86	18.70
		100	0	16.92	16.88	16.78	18.70
	16QAM	1	0	17.65	17.11	17.45	18.70
		1	50	17.31	16.20	17.22	18.70
		1	99	17.25	17.16	17.32	18.70
		50	0	16.79	16.81	16.68	18.70
		50	25	16.80	16.74	16.74	18.70
		50	50	16.90	16.94	16.73	18.70
		100	0	16.84	16.80	16.64	18.70
	64QAM	1	0	17.63	17.51	17.52	18.70
		1	50	17.19	17.02	17.17	18.70
		1	99	17.42	17.32	17.45	18.70
		50	0	17.43	17.17	17.19	18.70
		50	25	17.33	17.12	17.24	18.70
		50	50	17.22	17.15	17.21	18.70
		100	0	17.26	17.13	17.22	18.70

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LTE FDD Band 12				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	24.04	24.12	24.17	25.50
		1	2	23.84	23.91	23.77	25.50
		1	5	24.16	24.15	23.98	25.50
		3	0	23.89	24.12	23.99	25.50
		3	2	24.01	24.01	23.99	25.50
		3	3	23.97	24.09	23.96	25.50
		6	0	22.45	22.64	22.46	24.00
	16QAM	1	0	23.37	23.49	23.33	24.50
		1	2	23.14	23.21	23.09	24.50
		1	5	23.41	23.40	23.28	24.50
		3	0	23.08	23.11	23.09	24.50
		3	2	23.00	23.00	22.91	24.50
		3	3	23.04	23.22	22.96	24.50
		6	0	22.04	22.18	22.01	23.50
	64QAM	1	0	22.64	22.45	22.56	23.50
		1	2	22.45	22.48	22.43	23.50
		1	5	22.60	22.53	22.55	23.50
		3	0	22.42	22.32	22.32	23.50
		3	2	22.26	22.30	22.16	23.50
		3	3	22.52	22.36	22.35	23.50
		6	0	21.40	21.31	21.28	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 23025	Channel 23095	Channel 23165	Tune up
3MHz	QPSK	1	0	24.03	24.07	24.05	25.50
		1	7	23.56	23.77	23.72	25.50
		1	14	24.17	24.03	24.15	25.50
		8	0	22.53	22.65	22.53	24.00
		8	4	22.53	22.57	22.50	24.00
		8	7	22.51	22.58	22.50	24.00
		15	0	22.65	22.63	22.54	24.00
	16QAM	1	0	23.34	23.32	23.37	24.50
		1	7	22.92	23.12	22.92	24.50
		1	14	23.43	23.40	23.54	24.50
		8	0	22.01	22.09	21.99	23.50
		8	4	22.02	22.17	22.04	23.50
		8	7	22.00	22.09	22.02	23.50
		15	0	22.11	22.07	22.00	23.50
	64QAM	1	0	22.55	22.45	22.62	23.50
		1	7	22.10	22.17	21.89	23.50
		1	14	22.58	22.58	22.52	23.50
		8	0	21.36	21.30	21.33	22.50
		8	4	21.49	21.29	21.35	22.50
		8	7	21.37	21.40	21.31	22.50
		15	0	21.42	21.30	21.30	22.50

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Bandwidth	Modulation	RB size	RB offset	Channel 23035	Channel 23095	Channel 23155	Tune up
5MHz	QPSK	1	0	23.94	23.90	24.05	25.50
		1	13	23.98	24.03	24.13	25.50
		1	24	24.10	24.03	24.15	25.50
		12	0	22.49	22.44	22.58	24.00
		12	6	22.48	22.46	22.47	24.00
		12	13	22.54	22.52	22.67	24.00
		25	0	22.46	22.50	22.61	24.00
	16QAM	1	0	23.27	23.24	23.37	24.50
		1	13	23.28	23.30	23.42	24.50
		1	24	23.40	23.43	23.38	24.50
		12	0	21.97	21.92	22.06	23.50
		12	6	21.93	21.95	21.96	23.50
		12	13	21.98	21.97	22.15	23.50
		25	0	21.91	21.91	22.04	23.50
	64QAM	1	0	22.66	22.59	22.59	23.50
		1	13	22.54	22.55	22.64	23.50
		1	24	22.48	22.61	22.53	23.50
		12	0	21.45	21.33	21.36	22.50
		12	6	21.42	21.29	21.41	22.50
		12	13	21.49	21.34	21.37	22.50
		25	0	21.43	21.28	21.37	22.50

Bandwidth	Modulation	RB size	RB offset	Channel 23060	Channel 23095	Channel 23130	Tune up
10MHz	QPSK	1	0	23.94	23.97	24.01	25.50
		1	25	23.77	23.89	23.77	25.50
		1	49	23.97	24.00	**24.18**	25.50
		25	0	22.47	22.59	22.56	24.00
		25	13	22.47	22.60	22.58	24.00
		25	25	22.57	22.52	**22.64**	24.00
		50	0	22.48	22.58	22.59	24.00
	16QAM	1	0	23.26	23.36	23.35	24.50
		1	25	23.10	23.13	23.23	24.50
		1	49	23.35	23.36	23.50	24.50
		25	0	21.88	22.03	22.00	23.50
		25	13	21.90	22.02	22.03	23.50
		25	25	22.01	21.95	22.09	23.50
		50	0	21.93	21.99	22.03	23.50
	64QAM	1	0	22.61	22.64	22.50	23.50
		1	25	22.49	22.23	22.20	23.50
		1	49	22.72	22.28	22.73	23.50
		25	0	21.32	21.44	21.30	22.50
		25	13	21.32	21.20	21.20	22.50
		25	25	21.26	21.21	21.42	22.50
		50	0	21.29	21.23	21.34	22.50

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LTE FDD Band 17				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23755	Channel 23790	Channel 23825	Tune up
5MHz	QPSK	1	0	24.05	23.97	23.96	25.50
		1	13	23.98	24.03	24.02	25.50
		1	24	24.10	24.11	24.21	25.50
		12	0	22.46	22.52	22.67	24.00
		12	6	22.49	22.51	22.46	24.00
		12	13	22.69	22.65	22.64	24.00
		25	0	22.47	22.61	22.59	24.00
	16QAM	1	0	23.38	23.24	23.38	24.50
		1	13	23.27	23.34	23.46	24.50
		1	24	23.35	23.37	23.46	24.50
		12	0	21.92	21.98	22.10	23.50
		12	6	21.93	21.98	22.08	23.50
		12	13	22.13	22.11	22.11	23.50
		25	0	21.90	22.03	22.03	23.50
	64QAM	1	0	22.44	22.61	22.70	23.50
		1	13	22.55	22.65	22.70	23.50
		1	24	22.45	22.52	22.74	23.50
		12	0	21.37	21.38	21.46	22.50
		12	6	21.30	21.35	21.40	22.50
		12	13	21.35	21.42	21.47	22.50
		25	0	21.29	21.31	21.29	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 23780	Channel 23790	Channel 23800	Tune up
10MHz	QPSK	1	0	24.04	24.01	23.97	25.50
		1	25	23.85	23.81	23.83	25.50
		1	49	**24.20**	24.04	24.09	25.50
		25	0	22.49	22.49	22.56	24.00
		25	13	22.50	22.61	22.50	24.00
		25	25	22.58	**22.64**	22.55	24.00
		50	0	22.49	22.61	22.50	24.00
	16QAM	1	0	23.44	23.38	23.36	24.50
		1	25	23.09	23.18	23.10	24.50
		1	49	23.50	23.37	23.54	24.50
		25	0	21.92	22.00	22.02	23.50
		25	13	21.94	21.92	22.04	23.50
		25	25	21.98	21.98	22.07	23.50
		50	0	21.92	21.91	22.07	23.50
	64QAM	1	0	22.51	22.80	22.58	23.50
		1	25	22.56	22.33	22.45	23.50
		1	49	22.80	22.33	22.56	23.50
		25	0	21.36	21.35	21.37	22.50
		25	13	21.48	21.28	21.26	22.50
		25	25	21.26	21.45	21.24	22.50
		50	0	21.23	21.26	21.21	22.50

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LTE FDD Band 26				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 26697	Channel 26865	Channel 27033	Tune up
1.4MHz	QPSK	1	0	23.85	24.22	24.01	25.50
		1	2	23.75	23.76	23.76	25.50
		1	5	23.96	24.19	23.91	25.50
		3	0	23.82	24.15	24.00	25.50
		3	2	23.86	23.93	23.95	25.50
		3	3	23.92	24.12	23.90	25.50
		6	0	22.39	22.63	22.49	24.50
	16QAM	1	0	23.18	23.45	23.27	24.50
		1	2	23.08	23.07	23.08	24.50
		1	5	23.42	23.31	23.29	24.50
		3	0	22.97	23.06	22.92	24.50
		3	2	22.93	22.86	22.94	24.50
		3	3	23.18	22.96	22.97	24.50
		6	0	21.88	21.96	21.99	23.50
	64QAM	1	0	22.60	22.58	22.27	23.50
		1	2	22.31	22.31	22.50	23.50
		1	5	22.71	22.47	22.48	23.50
		3	0	22.44	22.38	22.33	23.50
		3	2	22.31	22.24	22.23	23.50
		3	3	22.58	22.41	22.34	23.50
		6	0	21.39	21.32	21.25	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 26705	Channel 26865	Channel 27025	Tune up
3MHz	QPSK	1	0	24.20	24.00	23.96	25.50
		1	7	22.44	22.49	22.49	25.50
		1	14	23.90	24.16	24.02	25.50
		8	0	22.41	22.64	22.48	24.50
		8	4	22.47	22.49	22.44	24.50
		8	7	22.49	22.65	22.44	24.50
		15	0	22.44	22.68	22.47	24.50
	16QAM	1	0	23.16	23.52	23.16	24.50
		1	7	21.86	22.09	21.76	24.50
		1	14	23.29	23.20	23.23	24.50
		8	0	21.92	22.00	21.99	23.50
		8	4	21.98	21.98	21.97	23.50
		8	7	21.99	21.98	21.96	23.50
		15	0	21.89	21.90	21.90	23.50
	64QAM	1	0	22.59	22.84	22.59	23.50
		1	7	20.99	21.15	20.87	23.50
		1	14	22.45	22.55	22.52	23.50
		8	0	21.23	21.25	21.26	22.50
		8	4	21.28	21.34	21.26	22.50

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		8	7	21.14	21.33	21.37	22.50
		15	0	21.25	21.29	21.25	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 26715	Channel 26865	Channel 27015	Tune up
5MHz	QPSK	1	0	23.64	24.09	23.85	25.50
		1	13	24.02	24.04	23.86	25.50
		1	24	24.01	24.01	23.89	25.50
		12	0	22.27	22.56	22.29	24.50
		12	6	22.40	22.56	22.55	24.50
		12	13	22.76	22.56	22.50	24.50
		25	0	22.31	22.54	22.20	24.50
	16QAM	1	0	22.89	23.33	23.03	24.50
		1	13	23.28	23.29	23.20	24.50
		1	24	23.25	23.28	23.13	24.50
		12	0	21.74	22.02	21.76	23.50
		12	6	22.21	22.03	22.06	23.50
		12	13	22.24	22.02	21.95	23.50
		25	0	21.74	21.97	21.64	23.50
	64QAM	1	0	22.14	22.45	22.36	23.50
		1	13	22.72	22.59	22.66	23.50
		1	24	22.59	22.41	22.38	23.50
		12	0	21.07	21.50	21.13	22.50
		12	6	21.45	21.32	21.42	22.50
		12	13	21.33	21.33	21.46	22.50
		25	0	21.07	21.48	21.05	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 26750	Channel 26865	Channel 26990	Tune up
10MHz	QPSK	1	0	23.98	24.27	24.30	25.50
		1	25	23.89	23.86	23.91	25.50
		1	49	23.94	23.97	23.87	25.50
		25	0	22.50	22.46	22.69	24.50
		25	13	22.57	22.54	22.56	24.50
		25	25	22.56	22.52	22.53	24.50
		50	0	22.49	22.52	22.66	24.50
	16QAM	1	0	23.24	23.25	23.56	24.50
		1	25	23.23	23.17	23.03	24.50
		1	49	23.26	23.49	23.15	24.50
		25	0	21.94	22.14	21.90	23.50
		25	13	22.00	22.20	22.13	23.50
		25	25	21.99	22.16	21.89	23.50
		50	0	21.92	22.17	21.87	23.50
	64QAM	1	0	22.05	22.75	22.45	23.50
		1	25	22.21	22.25	21.71	23.50
		1	49	22.53	22.25	22.41	23.50
		25	0	21.35	21.24	21.22	22.50
		25	13	21.49	21.19	21.25	22.50
		25	25	21.43	21.19	21.48	22.50
		50	0	21.39	21.24	21.16	22.50

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Bandwidth	Modulation	RB size	RB offset	Channel 26775	Channel 26865	Channel 26965	Tune up
15MHz	QPSK	1	0	23.83	23.98	24.01	25.50
		1	38	23.94	**24.05**	23.89	25.50
		1	74	23.99	23.89	23.92	25.50
		36	0	22.55	**22.84**	22.50	24.50
		36	18	22.45	22.50	22.41	24.50
		36	39	22.78	22.50	22.76	24.50
		75	0	22.72	22.50	22.51	24.50
	16QAM	1	0	23.24	23.24	23.23	24.50
		1	38	23.30	23.32	23.14	24.50
		1	74	23.28	23.14	23.17	24.50
		36	0	21.99	22.29	21.94	23.50
		36	18	21.91	21.95	21.86	23.50
		36	39	22.23	21.94	22.19	23.50
		75	0	22.11	21.94	21.94	23.50
	64QAM	1	0	22.80	22.53	22.44	23.50
		1	38	22.42	22.54	22.51	23.50
		1	74	22.35	22.44	22.44	23.50
		36	0	21.25	21.23	21.34	22.50
		36	18	21.54	21.28	21.25	22.50
		36	39	21.46	21.28	21.52	22.50
		75	0	21.39	21.30	21.21	22.50

LTE Band 38 Head Scene(receiver on)+SAR sensor off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 37775	Channel 38000	Channel 38225	Tune up
5MHz	QPSK	1	0	23.53	23.80	23.79	25.20
		1	13	23.52	23.80	23.75	25.20
		1	24	23.53	23.61	23.68	25.20
		12	0	22.47	22.79	22.77	24.20
		12	6	22.47	22.73	22.71	24.20
		12	13	22.49	22.63	22.72	24.20
		25	0	22.47	22.66	22.70	24.20
	16QAM	1	0	22.43	22.69	22.55	24.20
		1	13	22.41	22.60	22.52	24.20
		1	24	22.46	22.59	22.41	24.20
		12	0	21.46	21.74	21.70	23.20
		12	6	21.51	21.51	21.63	23.20
		12	13	21.44	21.61	21.64	23.20
		25	0	21.46	21.57	21.65	23.20
	64QAM	1	0	22.49	22.43	22.39	23.20
		1	13	22.65	22.59	22.42	23.20
		1	24	22.36	22.41	22.28	23.20
		12	0	21.63	21.75	21.55	22.20

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		12	6	21.57	21.69	21.66	22.20
		12	13	21.70	21.67	21.41	22.20
		25	0	21.63	21.49	21.62	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 37800	Channel 38000	Channel 38200	Tune up
10MHz	QPSK	1	0	23.56	23.72	23.63	25.20
		1	25	23.53	23.34	23.50	25.20
		1	49	23.66	23.62	23.64	25.20
		25	0	22.69	22.76	22.77	24.20
		25	13	22.68	22.74	22.72	24.20
		25	25	22.64	22.68	22.65	24.20
		50	0	22.66	22.71	22.73	24.20
	16QAM	1	0	22.60	22.70	22.65	24.20
		1	25	22.28	22.45	22.25	24.20
		1	49	22.48	22.51	22.59	24.20
		25	0	21.62	21.67	21.54	23.20
		25	13	21.57	21.62	21.49	23.20
		25	25	21.60	21.59	21.45	23.20
		50	0	21.58	21.64	21.46	23.20
	64QAM	1	0	22.50	22.45	22.40	23.20
		1	25	22.69	22.63	22.44	23.20
		1	49	22.40	22.44	22.32	23.20
		25	0	21.67	21.79	21.55	22.20
		25	13	21.58	21.74	21.67	22.20
		25	25	21.71	21.70	21.44	22.20
		50	0	21.67	21.53	21.67	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up
15MHz	QPSK	1	0	23.49	23.47	23.54	25.20
		1	38	23.54	23.74	23.73	25.20
		1	74	23.44	23.55	23.70	25.20
		36	0	22.57	22.66	22.54	24.20
		36	18	22.51	22.68	22.74	24.20
		36	39	22.51	22.72	22.72	24.20
		75	0	22.58	22.74	22.61	24.20
	16QAM	1	0	22.40	22.69	22.65	24.20
		1	38	22.55	22.76	22.50	24.20
		1	74	22.36	22.59	22.40	24.20
		36	0	21.56	21.66	21.71	23.20
		36	18	21.49	21.66	21.53	23.20
		36	39	21.48	21.66	21.63	23.20
		75	0	21.44	21.67	21.50	23.20
	64QAM	1	0	22.50	22.47	22.40	23.20
		1	38	22.72	22.66	22.47	23.20
		1	74	22.44	22.45	22.36	23.20
		36	0	21.69	21.84	21.58	22.20
		36	18	21.59	21.78	21.69	22.20
		36	39	21.73	21.74	21.47	22.20
		75	0	21.72	21.57	21.69	22.20

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Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	23.17	23.15	23.18	25.20
		1	50	23.20	23.46	23.49	25.20
		1	99	23.62	**23.89**	23.89	25.20
		50	0	22.73	**22.83**	22.76	24.20
		50	25	22.66	22.75	22.58	24.20
		50	50	22.69	22.80	22.56	24.20
		100	0	22.70	22.81	22.64	24.20
	16QAM	1	0	22.38	22.22	22.10	24.20
		1	50	22.37	22.50	22.35	24.20
		1	99	22.70	22.70	22.74	24.20
		50	0	21.67	21.56	21.59	23.20
		50	25	21.60	21.55	21.49	23.20
		50	50	21.49	21.60	21.47	23.20
		100	0	21.58	21.56	21.53	23.20
	64QAM	1	0	22.03	22.28	22.35	23.20
		1	50	22.48	22.43	22.57	23.20
		1	99	22.58	22.56	22.64	23.20
		50	0	21.75	21.56	21.61	22.20
		50	25	21.61	21.73	21.44	22.20
		50	50	21.57	21.74	21.53	22.20
		100	0	21.64	21.77	21.71	22.20

LTE Band 38 Wifi Hotspot on(10mm SAR sensor off)&Body Scene(0mm SAR sensor on Level D1)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 37775	Channel 38000	Channel 38225	Tune up
5MHz	QPSK	1	0	22.10	22.15	22.18	23.70
		1	13	22.17	22.15	22.35	23.70
		1	24	22.25	22.31	22.17	23.70
		12	0	22.10	22.10	22.23	23.70
		12	6	22.18	22.24	22.15	23.70
		12	13	22.17	22.24	22.12	23.70
		25	0	22.16	22.23	22.11	23.70
	16QAM	1	0	21.99	21.90	22.19	23.70
		1	13	21.93	22.12	22.16	23.70
		1	24	21.97	22.06	22.00	23.70
		12	0	21.65	21.72	21.70	23.20
		12	6	21.59	21.64	21.61	23.20
		12	13	21.59	21.58	21.66	23.20
		25	0	21.57	21.58	21.62	23.20
	64QAM	1	0	22.03	22.11	21.98	23.20
		1	13	21.77	22.00	22.11	23.20
		1	24	22.15	22.31	22.16	23.20
		12	0	21.76	21.93	21.95	22.20
		12	6	21.67	21.71	21.68	22.20

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		12	13	21.75	21.79	21.68	22.20
		25	0	21.83	21.82	21.73	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 37800	Channel 38000	Channel 38200	Tune up
10MHz	QPSK	1	0	22.32	22.25	22.16	23.70
		1	25	21.99	22.03	22.11	23.70
		1	49	22.22	22.32	22.17	23.70
		25	0	22.18	22.27	22.25	23.70
		25	13	22.16	22.24	22.22	23.70
		25	25	22.17	22.22	22.08	23.70
		50	0	22.13	22.25	22.19	23.70
	16QAM	1	0	22.18	22.00	22.25	23.70
		1	25	21.97	21.70	22.00	23.70
		1	49	22.10	22.09	22.09	23.70
		25	0	21.60	21.65	21.70	23.20
		25	13	21.58	21.62	21.67	23.20
		25	25	21.53	21.57	21.59	23.20
		50	0	21.57	21.64	21.68	23.20
	64QAM	1	0	22.05	22.12	22.00	23.20
		1	25	21.79	22.02	22.15	23.20
		1	49	22.17	22.34	22.20	23.20
		25	0	21.81	21.96	21.99	22.20
		25	13	21.71	21.74	21.72	22.20
		25	25	21.75	21.81	21.71	22.20
		50	0	21.83	21.83	21.76	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up
15MHz	QPSK	1	0	21.98	22.24	22.02	23.70
		1	38	22.03	22.28	22.23	23.70
		1	74	22.20	22.23	22.09	23.70
		36	0	22.02	22.29	22.24	23.70
		36	18	21.98	22.24	22.10	23.70
		36	39	22.23	22.25	22.12	23.70
		75	0	21.97	22.26	22.12	23.70
	16QAM	1	0	22.18	22.13	22.27	23.70
		1	38	22.21	22.16	22.15	23.70
		1	74	22.13	22.10	22.10	23.70
		36	0	21.55	21.55	21.73	23.20
		36	18	21.48	21.57	21.54	23.20
		36	39	21.49	21.58	21.62	23.20
		75	0	21.44	21.50	21.53	23.20
	64QAM	1	0	22.08	22.15	22.02	23.20
		1	38	21.83	22.06	22.19	23.20
		1	74	22.19	22.39	22.21	23.20
		36	0	21.83	21.96	22.01	22.20
		36	18	21.73	21.78	21.74	22.20
		36	39	21.79	21.83	21.72	22.20
		75	0	21.84	21.85	21.79	22.20

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Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	21.73	21.71	21.80	23.70
		1	50	21.90	22.08	22.06	23.70
		1	99	22.52	**22.52**	22.30	23.70
		50	0	22.23	22.12	**22.31**	23.70
		50	25	22.18	22.07	22.11	23.70
		50	50	22.22	22.11	22.11	23.70
		100	0	22.29	22.12	22.14	23.70
	16QAM	1	0	21.63	21.76	21.57	23.70
		1	50	21.90	21.94	21.82	23.70
		1	99	22.37	22.15	22.27	23.70
		50	0	21.65	21.74	21.63	23.20
		50	25	21.58	21.68	21.52	23.20
		50	50	21.59	21.64	21.48	23.20
		100	0	21.65	21.71	21.55	23.20
	64QAM	1	0	22.11	22.20	22.03	23.20
		1	50	21.85	22.07	22.20	23.20
		1	99	22.24	22.41	22.25	23.20
		50	0	21.88	22.00	22.02	22.20
		50	25	21.78	21.82	21.77	22.20
		50	50	21.82	21.84	21.75	22.20
		100	0	21.88	21.87	21.80	22.20

LTE Band 38 SAR sensor on+Wifi Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 37775	Channel 38000	Channel 38225	Tune up
5MHz	QPSK	1	0	20.67	20.86	20.77	22.20
		1	13	20.85	20.68	20.75	22.20
		1	24	20.65	20.67	20.64	22.20
		12	0	20.86	20.73	20.79	22.20
		12	6	20.59	20.66	20.64	22.20
		12	13	20.82	20.88	20.59	22.20
		25	0	20.61	20.67	20.66	22.20
	16QAM	1	0	20.90	20.84	20.68	22.20
		1	13	20.84	20.76	20.64	22.20
		1	24	20.78	20.92	20.43	22.20
		12	0	20.76	20.66	20.67	22.20
		12	6	20.75	20.62	20.59	22.20
		12	13	20.70	20.78	20.58	22.20
		25	0	20.69	20.73	20.62	22.20
	64QAM	1	0	20.89	20.73	20.94	22.20
		1	13	21.08	21.07	20.92	22.20
		1	24	20.72	20.81	20.64	22.20
		12	0	20.99	21.01	20.80	22.20

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		12	6	20.94	20.91	20.84	22.20
		12	13	20.75	20.86	20.80	22.20
		25	0	20.84	20.93	20.71	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	20.79	20.64	20.84	22.20
		1	25	20.52	20.55	20.31	22.20
		1	49	20.75	20.72	20.61	22.20
		25	0	20.81	20.74	20.81	22.20
		25	13	20.76	20.70	20.70	22.20
		25	25	20.71	20.83	20.58	22.20
		50	0	20.80	20.89	20.68	22.20
	16QAM	1	0	20.88	20.78	20.70	22.20
		1	25	20.57	20.47	20.51	22.20
		1	49	20.78	20.76	20.72	22.20
		25	0	20.76	20.78	20.70	22.20
		25	13	20.68	20.69	20.64	22.20
		25	25	20.66	20.69	20.53	22.20
		50	0	20.75	20.79	20.70	22.20
	64QAM	1	0	20.91	20.76	20.96	22.20
		1	25	21.08	21.08	20.92	22.20
		1	49	20.75	20.83	20.68	22.20
		25	0	21.03	21.04	20.85	22.20
		25	13	20.95	20.94	20.89	22.20
		25	25	20.79	20.88	20.83	22.20
		50	0	20.87	20.93	20.71	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	20.75	20.83	20.82	22.20
		1	38	20.64	20.73	20.81	22.20
		1	74	20.80	20.73	20.60	22.20
		36	0	20.72	20.77	20.87	22.20
		36	18	20.85	20.68	20.77	22.20
		36	39	20.84	20.87	20.59	22.20
		75	0	20.87	20.91	20.78	22.20
	16QAM	1	0	21.07	20.94	20.81	22.20
		1	38	20.81	20.66	20.76	22.20
		1	74	20.92	20.72	20.50	22.20
		36	0	20.81	20.85	20.77	22.20
		36	18	20.73	20.77	20.70	22.20
		36	39	20.73	20.76	20.61	22.20
		75	0	20.75	20.77	20.72	22.20
	64QAM	1	0	20.96	20.80	21.00	22.20
		1	38	21.08	21.08	20.97	22.20
		1	74	20.77	20.85	20.71	22.20
		36	0	21.04	21.05	20.89	22.20
		36	18	20.98	20.97	20.94	22.20
		36	39	20.82	20.90	20.84	22.20
		75	0	20.92	20.96	20.75	22.20

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Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	20.46	20.30	20.29	22.20
		1	50	20.48	20.59	20.46	22.20
		1	99	20.99	20.91	20.68	22.20
		50	0	20.73	20.76	20.81	22.20
		50	25	20.84	20.88	20.64	22.20
		50	50	20.84	20.85	20.62	22.20
		100	0	20.70	20.92	20.71	22.20
	16QAM	1	0	20.40	20.48	20.53	22.20
		1	50	20.47	20.44	20.44	22.20
		1	99	21.09	20.88	20.80	22.20
		50	0	20.86	20.91	20.66	22.20
		50	25	20.75	20.79	20.71	22.20
		50	50	20.79	20.77	20.63	22.20
		100	0	20.80	20.81	20.75	22.20
	64QAM	1	0	20.56	20.49	20.54	22.20
		1	50	20.16	20.36	20.49	22.20
		1	99	20.87	20.82	20.74	22.20
		50	0	21.01	21.04	20.81	22.20
		50	25	20.94	20.96	20.72	22.20
		50	50	20.92	20.77	20.87	22.20
		100	0	21.00	20.99	20.97	22.20

LTE Band 41 Head Scene(receiver on)+SAR sensor off				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	23.69	23.42	23.80	23.74	23.48	25.20
		1	13	23.73	23.48	23.80	23.77	23.64	25.20
		1	24	23.60	23.59	23.76	23.60	23.60	25.20
		12	0	22.68	22.64	22.75	22.76	22.46	24.20
		12	6	22.66	22.40	22.53	22.73	22.48	24.20
		12	13	22.63	22.57	22.71	22.69	22.49	24.20
		25	0	22.62	22.55	22.68	22.74	22.48	24.20
	16QAM	1	0	22.64	22.44	22.79	22.67	22.42	24.20
		1	13	22.63	22.42	22.77	22.73	22.45	24.20
		1	24	22.50	22.53	22.72	22.65	22.55	24.20
		12	0	21.60	21.31	21.64	21.69	21.44	23.20
		12	6	21.52	21.22	21.53	21.60	21.38	23.20
		12	13	21.54	21.48	21.60	21.60	21.41	23.20
		25	0	21.55	21.41	21.59	21.64	21.41	23.20
	64QAM	1	0	22.28	22.23	22.40	22.48	22.43	23.20
		1	13	22.30	22.29	22.51	22.57	22.63	23.20
		1	24	22.37	22.11	22.48	22.22	22.51	23.20
		12	0	21.51	21.55	21.71	21.73	21.64	22.20
		12	6	21.65	21.30	21.50	21.63	21.58	22.20
		12	13	21.54	21.49	21.67	21.55	21.68	22.20

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		25	0	21.62	21.31	21.69	21.61	21.51	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 39700	Channel 40160	Channel 40620	Channel 41080	Channel 41540	Tune up
10MHz	QPSK	1	0	23.42	23.37	23.78	23.70	23.54	25.20
		1	25	23.40	23.39	23.47	23.63	23.57	25.20
		1	49	23.51	23.61	23.71	23.58	23.49	25.20
		25	0	22.44	22.40	22.73	22.72	22.62	24.20
		25	13	22.61	22.56	22.67	22.69	22.59	24.20
		25	25	22.58	22.53	22.70	22.60	22.58	24.20
		50	0	22.62	22.52	22.68	22.75	22.59	24.20
	16QAM	1	0	22.35	22.41	22.57	22.66	22.44	24.20
		1	25	22.11	22.24	22.39	22.35	22.43	24.20
		1	49	22.39	22.43	22.50	22.50	22.52	24.20
		25	0	21.37	21.33	21.63	21.70	21.51	23.20
		25	13	21.48	21.28	21.60	21.66	21.35	23.20
		25	25	21.47	21.27	21.59	21.66	21.37	23.20
		50	0	21.57	21.31	21.60	21.65	21.40	23.20
	64QAM	1	0	22.33	22.23	22.43	22.49	22.47	23.20
		1	25	22.33	22.31	22.53	22.58	22.65	23.20
		1	49	22.40	22.13	22.48	22.25	22.55	23.20
		25	0	21.55	21.56	21.76	21.74	21.67	22.20
		25	13	21.70	21.35	21.55	21.67	21.59	22.20
		25	25	21.55	21.50	21.71	21.57	21.70	22.20
		50	0	21.66	21.36	21.72	21.63	21.55	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 39725	Channel 40173	Channel 40620	Channel 41068	Channel 41515	Tune up
15MHz	QPSK	1	0	23.43	23.37	23.45	23.67	23.45	25.20
		1	38	23.67	23.43	23.72	23.70	23.52	25.20
		1	74	23.41	23.51	23.61	23.48	23.49	25.20
		36	0	22.50	22.65	22.75	22.79	22.68	24.20
		36	18	22.63	22.60	22.70	22.72	22.47	24.20
		36	39	22.47	22.58	22.72	22.64	22.43	24.20
		75	0	22.57	22.60	22.71	22.71	22.45	24.20
	16QAM	1	0	22.33	22.38	22.50	22.58	22.45	24.20
		1	38	22.60	22.38	22.55	22.63	22.45	24.20
		1	74	22.32	22.43	22.43	22.38	22.50	24.20
		36	0	21.43	21.58	21.68	21.71	21.43	23.20
		36	18	21.53	21.53	21.60	21.68	21.45	23.20
		36	39	21.37	21.54	21.63	21.66	21.38	23.20
		75	0	21.45	21.51	21.60	21.60	21.38	23.20
	64QAM	1	0	22.34	22.26	22.45	22.50	22.47	23.20
		1	38	22.33	22.31	22.55	22.59	22.68	23.20
		1	74	22.40	22.15	22.50	22.30	22.58	23.20
		36	0	21.56	21.56	21.79	21.76	21.70	22.20
		36	18	21.72	21.37	21.57	21.67	21.62	22.20
		36	39	21.60	21.51	21.71	21.62	21.74	22.20
		75	0	21.66	21.36	21.73	21.63	21.60	22.20

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Bandwidth	Modulation	RB size	RB offset	Channel 39750	Channel 40185	Channel 40620	Channel 41055	Channel 41490	Tune up
20MHz	QPSK	1	0	23.31	23.26	23.19	23.20	23.14	25.20
		1	50	23.42	23.25	23.56	23.63	23.48	25.20
		1	99	23.57	23.68	**23.90**	23.60	23.65	25.20
		50	0	22.64	22.46	22.61	22.67	**22.68**	24.20
		50	25	22.42	22.58	22.47	22.55	22.56	24.20
		50	50	22.46	22.61	22.53	22.57	22.53	24.20
		100	0	22.47	22.63	22.53	22.58	22.61	24.20
	16QAM	1	0	22.27	22.03	22.12	22.06	22.18	24.20
		1	50	22.27	22.31	22.42	22.57	22.13	24.20
		1	99	22.67	22.64	22.57	22.70	22.52	24.20
		50	0	21.66	21.52	21.69	21.64	21.47	23.20
		50	25	21.54	21.34	21.61	21.50	21.35	23.20
		50	50	21.44	21.34	21.63	21.45	21.34	23.20
		100	0	21.54	21.40	21.62	21.48	21.50	23.20
	64QAM	1	0	22.08	21.82	22.03	22.16	22.10	23.20
		1	50	22.24	22.18	22.49	22.39	22.43	23.20
		1	99	22.58	22.40	22.60	22.60	22.74	23.20
		50	0	21.52	21.58	21.80	21.73	21.63	22.20
		50	25	21.61	21.46	21.68	21.62	21.58	22.20
		50	50	21.60	21.48	21.69	21.62	21.56	22.20
		100	0	21.68	21.51	21.71	21.62	21.64	22.20

LTE Band 41 Wifi Hotspot on(10mm SAR sensor off)&Body Scene(0mm SAR sensor on Level D1)				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	22.25	22.03	22.07	22.30	21.99	23.70
		1	13	22.25	21.95	22.10	22.36	22.04	23.70
		1	24	22.10	22.11	22.29	22.29	22.07	23.70
		12	0	22.17	22.15	22.05	22.17	22.15	23.70
		12	6	22.12	22.01	22.00	22.25	22.10	23.70
		12	13	22.15	22.09	22.23	22.24	22.08	23.70
		25	0	22.18	22.07	21.98	22.22	22.00	23.70
	16QAM	1	0	22.08	21.80	21.96	22.09	21.88	23.70
		1	13	22.19	21.77	21.91	22.11	21.96	23.70
		1	24	22.07	21.89	22.10	22.05	21.85	23.70
		12	0	21.40	21.34	21.64	21.70	21.48	23.20
		12	6	21.33	21.28	21.57	21.63	21.35	23.20
		12	13	21.60	21.48	21.59	21.66	21.42	23.20
		25	0	21.35	21.31	21.64	21.65	21.46	23.20
	64QAM	1	0	21.73	21.95	22.15	21.96	21.94	23.20
		1	13	21.85	21.96	22.27	22.20	22.21	23.20
		1	24	22.16	22.10	22.34	22.21	22.30	23.20
		12	0	21.76	21.75	21.95	21.89	21.82	22.20

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		12	6	21.80	21.48	21.92	21.77	21.94	22.20
		12	13	21.77	21.46	21.77	21.81	21.88	22.20
		25	0	21.74	21.63	21.91	21.80	21.94	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 39700	Channel 40160	Channel 40620	Channel 41080	Channel 41540	Tune up
10MHz	QPSK	1	0	22.00	21.99	22.15	22.19	22.14	23.70
		1	25	21.96	21.88	21.95	22.01	21.93	23.70
		1	49	21.98	22.13	22.21	22.15	21.98	23.70
		25	0	22.11	22.03	22.03	22.25	22.07	23.70
		25	13	22.05	21.92	21.95	22.24	21.94	23.70
		25	25	22.02	22.02	22.21	22.22	21.94	23.70
		50	0	22.11	22.05	22.19	22.21	22.04	23.70
	16QAM	1	0	22.13	21.85	21.93	22.01	22.13	23.70
		1	25	22.11	21.87	21.90	22.09	22.03	23.70
		1	49	21.93	21.94	22.10	22.00	22.05	23.70
		25	0	21.56	21.33	21.66	21.71	21.53	23.20
		25	13	21.36	21.28	21.63	21.67	21.45	23.20
		25	25	21.32	21.46	21.63	21.66	21.37	23.20
		50	0	21.37	21.49	21.63	21.67	21.50	23.20
	64QAM	1	0	21.76	21.96	22.15	22.00	21.98	23.20
		1	25	21.90	21.97	22.29	22.21	22.23	23.20
		1	49	22.18	22.10	22.35	22.24	22.32	23.20
		25	0	21.77	21.76	21.99	21.92	21.87	22.20
		25	13	21.80	21.51	21.93	21.79	21.95	22.20
		25	25	21.79	21.51	21.80	21.83	21.89	22.20
		50	0	21.77	21.64	21.92	21.83	21.96	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 39725	Channel 40173	Channel 40620	Channel 41068	Channel 41515	Tune up
15MHz	QPSK	1	0	21.95	21.89	21.97	22.18	22.10	23.70
		1	38	22.22	21.93	22.08	22.09	22.05	23.70
		1	74	22.08	22.05	22.09	21.99	21.89	23.70
		36	0	22.28	22.16	22.07	22.20	22.12	23.70
		36	18	22.14	22.08	22.00	22.21	22.07	23.70
		36	39	22.01	22.09	22.23	22.08	22.01	23.70
		75	0	22.17	22.11	22.22	22.10	22.10	23.70
	16QAM	1	0	22.04	21.83	21.97	22.22	22.08	23.70
		1	38	22.14	22.12	22.28	22.17	21.98	23.70
		1	74	21.97	21.97	22.14	22.00	21.85	23.70
		36	0	21.46	21.58	21.70	21.55	21.55	23.20
		36	18	21.56	21.51	21.64	21.56	21.48	23.20
		36	39	21.41	21.53	21.66	21.50	21.42	23.20
		75	0	21.43	21.52	21.62	21.48	21.49	23.20
	64QAM	1	0	21.79	22.01	22.19	22.05	22.01	23.20
		1	38	21.93	22.00	22.33	22.25	22.24	23.20
		1	74	22.18	22.13	22.35	22.27	22.36	23.20
		36	0	21.77	21.78	22.04	21.96	21.89	22.20
		36	18	21.80	21.55	21.95	21.82	21.97	22.20
		36	39	21.81	21.55	21.80	21.86	21.91	22.20
		75	0	21.80	21.67	21.96	21.85	21.97	22.20

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Bandwidth	Modulation	RB size	RB offset	Channel 39750	Channel 40185	Channel 40620	Channel 41055	Channel 41490	Tune up
20MHz	QPSK	1	0	21.85	21.80	21.65	21.70	21.70	23.70
		1	50	21.90	21.78	21.91	22.05	21.87	23.70
		1	99	**22.26**	22.24	22.21	22.21	22.06	23.70
		50	0	22.22	21.96	22.04	22.10	22.14	23.70
		50	25	22.12	22.09	22.21	22.06	22.10	23.70
		50	50	22.12	22.11	**22.24**	22.23	22.09	23.70
		100	0	22.15	22.15	22.24	22.25	22.10	23.70
	16QAM	1	0	21.57	21.66	21.79	21.73	21.55	23.70
		1	50	21.72	21.66	21.85	21.93	21.95	23.70
		1	99	22.07	22.10	22.37	22.15	22.04	23.70
		50	0	21.67	21.38	21.71	21.74	21.58	23.20
		50	25	21.52	21.54	21.62	21.65	21.46	23.20
		50	50	21.41	21.55	21.67	21.69	21.43	23.20
		100	0	21.57	21.57	21.63	21.65	21.49	23.20
	64QAM	1	0	21.81	22.01	22.21	22.08	22.06	23.20
		1	50	21.98	22.03	22.30	22.29	22.26	23.20
		1	99	22.22	22.17	22.16	22.28	22.34	23.20
		50	0	21.81	21.78	21.96	21.99	21.91	22.20
		50	25	21.81	21.58	21.96	21.87	21.99	22.20
		50	50	21.81	21.59	21.81	21.89	21.92	22.20
		100	0	21.84	21.71	21.99	21.90	21.98	22.20

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LTE Band 41 SAR sensor on+Wifi Hotspot on				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	20.74	20.58	20.60	20.60	20.73	22.20
		1	13	20.78	20.61	20.83	20.77	20.84	22.20
		1	24	20.72	20.39	20.70	20.68	20.79	22.20
		12	0	20.80	20.64	20.85	20.61	20.75	22.20
		12	6	20.75	20.52	20.77	20.61	20.84	22.20
		12	13	20.82	20.59	20.80	20.73	20.84	22.20
		25	0	20.77	20.53	20.81	20.73	20.77	22.20
	16QAM	1	0	20.70	20.49	20.85	20.54	20.83	22.20
		1	13	20.71	20.50	20.80	20.56	20.84	22.20
		1	24	20.67	20.47	20.75	20.64	20.78	22.20
		12	0	20.78	20.54	20.72	20.51	20.64	22.20
		12	6	20.59	20.49	20.65	20.48	20.60	22.20
		12	13	20.72	20.45	20.59	20.62	20.75	22.20
		25	0	20.72	20.45	20.60	20.62	20.59	22.20
	64QAM	1	0	20.87	20.76	21.03	20.74	20.92	22.20
		1	13	20.99	20.75	20.95	20.92	20.90	22.20
		1	24	20.81	20.53	20.79	20.68	20.73	22.20
		12	0	20.86	20.73	21.03	20.91	21.01	22.20
		12	6	20.88	20.68	21.03	20.88	20.93	22.20
		12	13	20.75	20.55	20.86	20.85	20.91	22.20
		25	0	20.74	20.58	20.95	20.85	20.92	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 39700	Channel 40160	Channel 40620	Channel 41080	Channel 41540	Tune up
10MHz	QPSK	1	0	20.65	20.51	20.75	20.70	20.71	22.20
		1	25	20.42	20.13	20.45	20.46	20.45	22.20
		1	49	20.70	20.56	20.77	20.69	20.76	22.20
		25	0	20.77	20.57	20.68	20.75	20.74	22.20
		25	13	20.58	20.51	20.61	20.57	20.68	22.20
		25	25	20.60	20.56	20.66	20.69	20.83	22.20
		50	0	20.78	20.58	20.63	20.69	20.68	22.20
	16QAM	1	0	20.72	20.52	20.83	20.68	20.65	22.20
		1	25	20.46	20.29	20.54	20.24	20.67	22.20
		1	49	20.47	20.44	20.77	20.65	20.66	22.20
		25	0	20.67	20.50	20.75	20.65	20.60	22.20
		25	13	20.47	20.43	20.68	20.58	20.70	22.20
		25	25	20.47	20.43	20.69	20.59	20.72	22.20
		50	0	20.54	20.50	20.75	20.64	20.63	22.20
	64QAM	1	0	20.88	20.78	21.02	20.75	20.93	22.20
		1	25	21.00	20.78	20.99	20.93	20.93	22.20
		1	49	20.85	20.56	20.82	20.70	20.76	22.20
		25	0	20.88	20.76	21.02	20.95	21.02	22.20
		25	13	20.88	20.69	21.03	20.91	20.97	22.20
		25	25	20.75	20.59	20.90	20.90	20.96	22.20
		50	0	20.77	20.61	20.96	20.88	20.94	22.20

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Bandwidth	Modulation	RB size	RB offset	Channel 39725	Channel 40173	Channel 40620	Channel 41068	Channel 41515	Tune up
15MHz	QPSK	1	0	20.78	20.61	20.66	20.55	20.75	22.20
		1	38	20.78	20.45	20.69	20.62	20.71	22.20
		1	74	20.53	20.58	20.70	20.64	20.74	22.20
		36	0	20.79	20.62	20.70	20.81	20.72	22.20
		36	18	20.61	20.64	20.67	20.60	20.73	22.20
		36	39	20.74	20.60	20.68	20.70	20.78	22.20
		75	0	20.57	20.63	20.65	20.72	20.72	22.20
	16QAM	1	0	20.81	20.57	21.01	20.51	20.78	22.20
		1	38	20.62	20.56	20.94	20.64	20.74	22.20
		1	74	20.52	20.53	20.82	20.52	20.74	22.20
		36	0	20.71	20.55	20.75	20.71	20.65	22.20
		36	18	20.49	20.50	20.64	20.49	20.58	22.20
		36	39	20.64	20.51	20.60	20.60	20.69	22.20
		75	0	20.68	20.50	20.64	20.62	20.58	22.20
	64QAM	1	0	20.89	20.80	21.02	20.78	20.98	22.20
		1	38	21.03	20.81	21.03	20.93	20.97	22.20
		1	74	20.87	20.57	20.82	20.73	20.80	22.20
		36	0	20.92	20.81	21.01	20.97	21.02	22.20
		36	18	20.89	20.72	21.03	20.91	20.99	22.20
		36	39	20.78	20.62	20.92	20.90	20.97	22.20
		75	0	20.82	20.65	20.99	20.89	20.95	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 39750	Channel 40185	Channel 40620	Channel 41055	Channel 41490	Tune up
20MHz	QPSK	1	0	20.36	20.08	20.28	20.18	20.41	22.20
		1	50	20.40	20.27	20.54	20.40	20.37	22.20
		1	99	20.60	20.44	20.86	20.70	20.73	22.20
		50	0	20.78	20.60	20.84	20.65	20.83	22.20
		50	25	20.59	20.61	20.65	20.70	20.65	22.20
		50	50	20.74	20.61	20.68	20.70	20.67	22.20
		100	0	20.62	20.46	20.71	20.73	20.69	22.20
	16QAM	1	0	20.34	20.24	20.34	20.47	20.31	22.20
		1	50	20.32	20.10	20.63	20.56	20.46	22.20
		1	99	20.50	20.63	21.04	20.82	20.74	22.20
		50	0	20.56	20.54	20.65	20.76	20.70	22.20
		50	25	20.64	20.47	20.75	20.66	20.63	22.20
		50	50	20.61	20.53	20.76	20.65	20.62	22.20
		100	0	20.51	20.55	20.75	20.66	20.70	22.20
	64QAM	1	0	20.34	20.43	20.66	20.48	20.70	22.20
		1	50	20.20	20.41	20.78	20.66	20.58	22.20
		1	99	20.80	20.72	21.03	20.98	20.95	22.20
		50	0	20.87	20.77	21.03	20.98	20.90	22.20
		50	25	20.79	20.68	20.89	20.87	20.84	22.20
		50	50	20.79	20.64	20.77	20.85	20.89	22.20
		100	0	20.81	20.75	21.00	20.89	20.94	22.20

Table 13：Conducted Power Of LTE

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8.1.2 Conducted Power of Antenna 2

8.1.2.1 Conducted Power Of GSM

GSM 850 All 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	28.26	28.17	28.08	29.50	-9.19	19.07	18.98	18.89	20.31
GPRS/EGPRS (GMSK)	1 TX Slot	28.29	28.19	28.11	29.50	-9.19	19.10	19.00	18.92	20.31
	2 TX Slots	**26.21**	**26.13**	**26.03**	**27.50**	**-6.18**	**20.03**	**19.95**	**19.85**	**21.32**
	3 TX Slots	24.14	24.05	23.97	25.50	-4.42	19.72	19.63	19.55	21.08
	4 TX Slots	22.04	21.93	21.84	23.50	-3.17	18.87	18.76	18.67	20.33
EGPRS(8PSK)	1 TX Slot	22.01	22.17	22.11	23.00	-9.19	12.82	12.98	12.92	13.81
	2 TX Slots	20.92	21.02	21.04	22.00	-6.18	14.74	14.84	14.86	15.82
	3 TX Slots	18.23	18.68	18.72	20.00	-4.42	13.81	14.26	14.30	15.58
	4 TX Slots	17.03	17.05	17.06	19.00	-3.17	13.86	13.88	13.89	15.83
GSM 1900 All scene										
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	24.57	24.64	24.70	26.00	-9.19	15.38	15.45	15.51	16.81
GPRS/EGPRS (GMSK)	1 TX Slot	24.59	24.66	24.63	26.00	-9.19	15.40	15.47	15.44	16.81
	2 TX Slots	**22.62**	**22.66**	**22.72**	**24.00**	**-6.18**	**16.44**	**16.48**	**16.54**	**17.82**
	3 TX Slots	20.64	20.54	20.52	22.00	-4.42	16.22	16.12	16.10	17.58
	4 TX Slots	18.36	18.28	18.25	20.00	-3.17	15.19	15.11	15.08	16.83
EGPRS(8PSK)	1 TX Slot	21.20	21.17	21.18	22.50	-9.19	12.01	11.98	11.99	13.31
	2 TX Slots	20.22	20.16	20.04	21.50	-6.18	14.04	13.98	13.86	15.32
	3 TX Slots	17.46	17.67	17.31	19.50	-4.42	13.04	13.25	12.89	15.08
	4 TX Slots	16.02	16.27	15.99	18.50	-3.17	12.85	13.10	12.82	15.33

Table 14：Conducted Power Of GSM

Note:

1）. CMU200 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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8.1.2.2 Conducted Power Of WCDMA

WCDMA Band II Receiver on(head)					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	18.93	**19.07**	18.74	20.00
	12.2kbps AMR	18.89	19.06	18.75	20.00
HSDPA	Subtest 1	17.63	17.56	17.49	19.00
	Subtest 2	17.32	17.33	17.28	18.50
	Subtest 3	16.31	16.32	16.36	18.00
	Subtest 4	16.35	16.26	16.19	18.00
HSUPA	Subtest 1	16.70	16.77	17.50	18.50
	Subtest 2	12.16	12.23	12.71	13.70
	Subtest 3	13.89	13.97	14.26	15.30
	Subtest 4	12.82	12.73	13.48	14.50
	Subtest 5	16.27	16.34	16.98	18.00
DC-HSDPA	Subtest 1	17.61	17.53	17.44	19.00
	Subtest 2	17.30	17.31	17.25	18.50
	Subtest 3	16.24	16.30	16.32	18.00
	Subtest 4	16.31	16.22	16.16	18.00
WCDMA Band II Receiver off (Body Scene)					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	20.86	**20.68**	20.67	22.00
	12.2kbps AMR	20.85	20.65	20.66	22.00
HSDPA	Subtest 1	19.78	19.77	19.76	21.00
	Subtest 2	19.42	19.47	19.41	20.50
	Subtest 3	18.26	18.27	18.22	20.00
	Subtest 4	18.33	18.27	18.20	20.00
HSUPA	Subtest 1	18.74	18.75	19.46	20.50
	Subtest 2	14.19	14.23	14.68	15.70
	Subtest 3	15.94	15.95	16.23	17.30
	Subtest 4	14.80	14.74	15.49	16.50
	Subtest 5	18.28	18.32	18.96	20.00
DC-HSDPA	Subtest 1	19.73	19.74	19.75	21.00
	Subtest 2	19.40	19.44	19.33	20.50
	Subtest 3	18.21	18.26	18.20	20.00
	Subtest 4	18.30	18.23	18.12	20.00

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WCDMA Band II Receiver on(head) +WiFi on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	15.79	15.18	15.29	16.50
	12.2kbps AMR	15.76	15.16	15.21	16.50
HSDPA	Subtest 1	14.06	14.08	14.03	15.50
	Subtest 2	13.93	13.97	13.93	15.00
	Subtest 3	12.74	12.79	12.73	14.50
	Subtest 4	12.86	12.82	12.65	14.50
HSUPA	Subtest 1	13.25	13.22	13.96	15.00
	Subtest 2	8.71	8.72	9.17	10.20
	Subtest 3	10.46	10.40	10.73	11.80
	Subtest 4	9.32	9.24	10.03	11.00
	Subtest 5	12.76	12.83	13.41	14.50
DC-HSDPA	Subtest 1	14.09	13.99	14.03	15.50
	Subtest 2	13.95	13.90	13.87	15.00
	Subtest 3	12.69	12.81	12.71	14.50
	Subtest 4	12.82	12.69	12.67	14.50
WCDMA Band II Receiver off (Body Scene) +WiFi on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	17.37	**17.22**	17.24	18.50
	12.2kbps AMR	17.31	17.20	17.22	18.50
HSDPA	Subtest 1	16.29	16.35	16.37	17.50
	Subtest 2	15.93	16.00	15.96	17.00
	Subtest 3	14.79	14.78	14.75	16.50
	Subtest 4	14.84	14.77	14.68	16.50
HSUPA	Subtest 1	15.21	15.17	15.95	17.00
	Subtest 2	10.67	10.69	11.19	12.20
	Subtest 3	12.46	12.39	12.69	13.80
	Subtest 4	11.32	11.23	12.00	13.00
	Subtest 5	14.72	14.87	15.39	16.50
DC-HSDPA	Subtest 1	16.26	16.29	16.35	17.50
	Subtest 2	15.93	15.91	15.86	17.00
	Subtest 3	14.68	14.86	14.76	16.50
	Subtest 4	14.85	14.74	14.63	16.50

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WCDMA Band IV Receiver on(head)					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	22.30	**22.37**	22.46	23.50
	12.2kbps AMR	22.28	22.32	22.41	23.50
HSDPA	Subtest 1	21.76	21.78	21.92	22.50
	Subtest 2	20.99	20.95	21.02	22.00
	Subtest 3	20.55	20.43	20.56	21.50
	Subtest 4	20.45	20.49	20.60	21.50
HSUPA	Subtest 1	20.55	20.52	20.50	22.00
	Subtest 2	16.74	16.79	16.65	17.20
	Subtest 3	18.17	17.90	17.79	18.80
	Subtest 4	17.84	17.82	17.59	18.00
	Subtest 5	20.25	20.38	20.58	21.50
DC-HSDPA	Subtest 1	21.74	21.77	21.86	22.50
	Subtest 2	20.90	20.94	21.05	22.00
	Subtest 3	20.40	20.50	20.52	21.50
	Subtest 4	20.47	20.28	20.43	21.50
WCDMA Band IV Receiver off (Body Scene)					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	23.82	**23.89**	23.96	25.00
	12.2kbps AMR	23.81	23.81	23.95	25.00
HSDPA	Subtest 1	23.11	23.13	23.12	24.00
	Subtest 2	22.48	22.48	22.58	23.50
	Subtest 3	22.00	21.96	22.03	23.00
	Subtest 4	22.01	21.95	22.05	23.00
HSUPA	Subtest 1	22.05	21.99	22.01	23.50
	Subtest 2	18.22	18.28	18.15	18.70
	Subtest 3	19.73	19.46	19.35	20.30
	Subtest 4	19.29	19.28	19.28	19.50
	Subtest 5	21.80	21.87	22.04	23.00
DC-HSDPA	Subtest 1	23.10	23.09	23.08	24.00
	Subtest 2	22.46	22.48	22.52	23.50
	Subtest 3	21.96	21.97	21.98	23.00
	Subtest 4	21.96	21.84	21.99	23.00

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WCDMA Band V Receiver on(head)					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	19.83	**19.97**	19.77	21.00
	12.2kbps AMR	19.81	19.98	19.75	21.00
HSDPA	Subtest 1	18.77	18.96	18.96	19.50
	Subtest 2	18.13	18.34	18.35	19.00
	Subtest 3	17.76	17.89	18.07	18.50
	Subtest 4	17.84	17.91	18.01	18.50
HSUPA	Subtest 1	17.97	18.25	18.48	19.00
	Subtest 2	14.58	15.27	15.05	15.50
	Subtest 3	16.00	15.86	16.07	16.50
	Subtest 4	16.07	16.03	15.10	16.50
	Subtest 5	17.32	17.42	17.43	18.50
DC-HSDPA	Subtest 1	18.72	18.89	18.87	19.50
	Subtest 2	18.27	18.32	18.33	19.00
	Subtest 3	17.85	17.88	17.92	18.50
	Subtest 4	17.68	17.93	17.94	18.50
WCDMA Band V Receiver off (Body Scene)					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	20.32	**20.25**	20.28	21.50
	12.2kbps AMR	20.31	20.22	20.23	21.50
HSDPA	Subtest 1	19.24	19.43	19.45	20.00
	Subtest 2	18.68	18.85	18.88	19.50
	Subtest 3	18.28	18.41	18.52	19.00
	Subtest 4	18.33	18.45	18.51	19.00
HSUPA	Subtest 1	18.43	18.71	18.94	19.50
	Subtest 2	15.13	15.81	15.58	16.00
	Subtest 3	16.45	16.31	16.52	17.00
	Subtest 4	16.58	16.49	15.61	17.00
	Subtest 5	17.78	17.88	17.96	19.00
DC-HSDPA	Subtest 1	19.27	19.36	19.35	20.00
	Subtest 2	18.74	18.85	18.88	19.50
	Subtest 3	18.36	18.35	18.47	19.00
	Subtest 4	18.21	18.47	18.49	19.00

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 on+head				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	19.25	18.88	18.85	20.50
		1	2	19.10	18.67	18.69	20.50
		1	5	19.23	18.81	18.88	20.50
		3	0	19.19	18.83	18.77	20.50
		3	2	19.14	18.70	18.78	20.50
		3	3	19.19	18.76	18.84	20.50
		6	0	19.23	18.78	18.78	20.50
	16QAM	1	0	19.52	19.07	19.14	20.50
		1	2	19.37	18.95	18.95	20.50
		1	5	19.51	19.09	19.13	20.50
		3	0	19.21	18.91	18.78	20.50
		3	2	19.20	18.72	18.78	20.50
		3	3	19.23	18.79	18.83	20.50
		6	0	19.12	18.66	18.82	20.50
	64QAM	1	0	19.02	18.81	18.83	20.50
		1	2	18.87	18.62	18.81	20.50
		1	5	19.04	18.79	18.96	20.50
		3	0	18.93	18.73	18.87	20.50
		3	2	18.94	18.69	18.81	20.50
		3	3	18.97	18.77	18.90	20.50
		6	0	19.04	18.77	18.81	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	19.23	18.86	18.75	20.50
		1	7	19.06	18.54	18.48	20.50
		1	14	19.17	18.77	18.85	20.50
		8	0	19.24	18.83	18.72	20.50
		8	4	19.18	18.82	18.74	20.50
		8	7	19.21	18.75	18.73	20.50
		15	0	19.23	18.78	18.74	20.50
	16QAM	1	0	19.44	19.04	18.94	20.50
		1	7	19.38	18.73	18.67	20.50
		1	14	19.39	19.02	19.06	20.50
		8	0	19.11	18.74	18.66	20.50
		8	4	19.11	18.72	18.68	20.50
		8	7	19.07	18.66	18.65	20.50
		15	0	19.13	18.67	18.70	20.50
	64QAM	1	0	19.03	18.78	18.85	20.50
		1	7	18.84	18.62	18.72	20.50
		1	14	18.85	18.79	18.88	20.50
		8	0	18.95	18.81	18.67	20.50
		8	4	18.99	18.81	18.72	20.50
		8	7	18.98	18.74	18.67	20.50
		15	0	19.05	18.77	18.70	20.50

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Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	19.27	18.84	18.77	20.50
		1	13	19.23	18.81	18.73	20.50
		1	24	19.18	18.75	18.84	20.50
		12	0	19.32	18.87	18.75	20.50
		12	6	19.25	18.93	18.71	20.50
		12	13	19.25	18.80	18.73	20.50
		25	0	19.25	18.79	18.69	20.50
	16QAM	1	0	19.52	19.17	19.04	20.50
		1	13	19.49	19.18	19.02	20.50
		1	24	19.47	19.17	19.07	20.50
		12	0	19.21	18.82	18.69	20.50
		12	6	19.13	18.74	18.68	20.50
		12	13	19.16	18.74	18.72	20.50
		25	0	19.09	18.65	18.62	20.50
	64QAM	1	0	19.06	18.78	18.82	20.50
		1	13	19.04	18.83	18.89	20.50
		1	24	18.87	18.78	18.90	20.50
		12	0	19.10	18.84	18.76	20.50
		12	6	19.09	18.93	18.73	20.50
		12	13	19.11	18.85	18.78	20.50
		25	0	19.08	18.80	18.71	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	19.29	18.94	18.76	20.50
		1	25	19.04	18.56	18.53	20.50
		1	49	19.01	18.70	18.73	20.50
		25	0	19.29	18.87	18.75	20.50
		25	13	19.21	18.79	18.68	20.50
		25	25	19.16	18.76	18.68	20.50
		50	0	19.21	18.81	18.69	20.50
	16QAM	1	0	19.51	19.25	19.04	20.50
		1	25	19.41	18.89	18.81	20.50
		1	49	19.28	19.03	19.02	20.50
		25	0	19.15	18.80	18.71	20.50
		25	13	19.10	18.68	18.64	20.50
		25	25	18.90	18.66	18.60	20.50
		50	0	18.94	18.71	18.62	20.50
	64QAM	1	0	19.00	18.96	18.99	20.50
		1	25	18.78	18.89	18.81	20.50
		1	49	18.81	18.86	18.89	20.50
		25	0	19.01	18.99	18.92	20.50
		25	13	19.02	18.98	18.95	20.50
		25	25	18.99	18.96	18.71	20.50
		50	0	19.01	18.89	18.79	20.50

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Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	19.25	18.90	18.87	20.50
		1	38	19.18	18.81	18.73	20.50
		1	74	18.90	18.74	18.72	20.50
		36	0	19.26	18.89	18.81	20.50
		36	18	19.16	18.81	18.74	20.50
		36	39	19.00	18.78	18.71	20.50
		75	0	19.16	18.82	18.78	20.50
	16QAM	1	0	19.39	19.12	18.96	20.50
		1	38	19.51	19.05	19.02	20.50
		1	74	19.18	19.01	18.97	20.50
		36	0	19.16	18.77	18.73	20.50
		36	18	18.95	18.71	18.68	20.50
		36	39	18.90	18.72	18.72	20.50
		75	0	18.93	18.68	18.70	20.50
	64QAM	1	0	19.07	18.82	18.76	20.50
		1	38	19.02	18.83	18.74	20.50
		1	74	18.82	18.73	18.81	20.50
		36	0	19.11	18.90	18.71	20.50
		36	18	19.02	18.85	18.70	20.50
		36	39	18.95	18.77	18.73	20.50
		75	0	18.99	18.83	18.73	20.50

Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	19.41	**19.43**	19.14	20.50
		1	50	18.86	18.55	18.67	20.50
		1	99	19.04	18.89	18.94	20.50
		50	0	19.21	**19.26**	18.96	20.50
		50	25	19.09	18.84	18.73	20.50
		50	50	18.97	18.90	18.74	20.50
		100	0	19.13	18.92	18.78	20.50
	16QAM	1	0	19.60	19.23	19.36	20.50
		1	50	19.25	18.97	18.92	20.50
		1	99	19.25	19.18	19.18	20.50
		50	0	19.11	18.88	18.78	20.50
		50	25	18.92	18.71	18.66	20.50
		50	50	18.89	18.74	18.66	20.50
		100	0	18.96	18.78	18.72	20.50
	64QAM	1	0	19.31	19.15	19.06	20.50
		1	50	18.79	18.64	18.66	20.50
		1	99	18.96	18.94	18.96	20.50
		50	0	19.14	18.95	18.83	20.50
		50	25	18.98	18.78	18.73	20.50
		50	50	18.96	18.80	18.74	20.50
		100	0	19.04	18.82	18.73	20.50

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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	20.72	20.41	20.18	22.00
		1	2	20.57	20.13	20.44	22.00
		1	5	20.67	20.39	20.29	22.00
		3	0	20.36	20.39	20.18	22.00
		3	2	20.71	20.48	20.36	22.00
		3	3	20.63	20.31	20.27	22.00
		6	0	20.60	20.33	20.27	22.00
	16QAM	1	0	21.02	20.52	20.45	22.00
		1	2	20.71	20.44	20.61	22.00
		1	5	20.99	20.57	20.52	22.00
		3	0	20.72	20.09	20.12	22.00
		3	2	20.60	20.09	20.05	22.00
		3	3	20.55	20.28	20.32	22.00
		6	0	20.49	20.15	20.15	22.00
	64QAM	1	0	20.75	20.77	20.77	22.00
		1	2	20.77	20.74	20.74	22.00
		1	5	21.02	21.01	21.00	22.00
		3	0	20.85	20.83	20.83	22.00
		3	2	21.02	20.98	21.00	22.00
		3	3	20.84	20.92	20.92	22.00
		6	0	20.79	20.74	20.74	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	20.68	20.40	20.25	22.00
		1	7	20.72	20.18	19.39	22.00
		1	14	20.57	20.29	20.43	22.00
		8	0	20.53	20.27	20.30	22.00
		8	4	20.59	20.27	20.26	22.00
		8	7	20.53	20.11	20.27	22.00
		15	0	20.65	20.36	20.21	22.00
	16QAM	1	0	20.87	20.83	20.52	22.00
		1	7	20.66	20.42	20.25	22.00
		1	14	20.82	20.17	20.43	22.00
		8	0	20.51	20.25	20.20	22.00
		8	4	20.59	20.12	20.10	22.00
		8	7	20.48	20.31	20.12	22.00
		15	0	20.55	20.12	20.10	22.00
	64QAM	1	0	20.48	20.46	20.35	22.00
		1	7	20.74	20.46	20.40	22.00
		1	14	20.63	20.41	20.36	22.00
		8	0	20.69	20.52	20.40	22.00
		8	4	20.63	20.48	20.39	22.00
		8	7	20.86	21.00	20.59	22.00
		15	0	20.88	20.38	20.44	22.00

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Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	20.67	20.56	20.28	22.00
		1	13	20.67	20.35	20.33	22.00
		1	24	20.57	20.35	20.52	22.00
		12	0	20.69	20.36	20.27	22.00
		12	6	20.62	20.14	20.35	22.00
		12	13	20.58	20.36	20.22	22.00
		25	0	20.64	20.30	20.25	22.00
	16QAM	1	0	20.66	20.55	20.75	22.00
		1	13	20.81	20.90	20.73	22.00
		1	24	20.73	21.01	20.60	22.00
		12	0	20.61	20.37	20.21	22.00
		12	6	20.56	20.18	20.36	22.00
		12	13	20.57	20.31	20.19	22.00
		25	0	20.53	20.27	20.12	22.00
	64QAM	1	0	20.61	20.31	20.20	22.00
		1	13	20.59	20.30	20.26	22.00
		1	24	20.56	20.28	20.32	22.00
		12	0	20.57	20.29	20.24	22.00
		12	6	20.55	20.29	20.23	22.00
		12	13	20.50	20.30	20.20	22.00
		25	0	20.46	20.27	20.20	22.00

Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	20.74	20.49	20.32	22.00
		1	25	20.51	20.19	19.55	22.00
		1	49	20.46	20.36	20.24	22.00
		25	0	20.62	20.37	20.26	22.00
		25	13	20.61	20.31	20.12	22.00
		25	25	20.40	20.29	20.26	22.00
		50	0	20.56	20.31	20.21	22.00
	16QAM	1	0	20.79	20.56	20.29	22.00
		1	25	20.51	20.93	20.71	22.00
		1	49	20.50	20.40	20.50	22.00
		25	0	20.52	20.29	20.24	22.00
		25	13	20.43	20.23	20.23	22.00
		25	25	20.30	20.23	20.09	22.00
		50	0	20.42	20.23	20.14	22.00
	64QAM	1	0	20.67	20.34	20.21	22.00
		1	25	20.33	20.19	20.02	22.00
		1	49	20.39	20.19	20.19	22.00
		25	0	20.52	20.29	20.20	22.00
		25	13	20.43	20.20	20.19	22.00
		25	25	20.37	20.18	20.17	22.00
		50	0	20.40	20.18	20.16	22.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	20.65	20.37	20.25	22.00
		1	38	20.55	20.34	20.31	22.00
		1	74	20.37	20.28	20.21	22.00
		36	0	20.59	20.37	20.28	22.00
		36	18	20.50	20.31	20.29	22.00
		36	39	20.49	20.34	20.21	22.00
		75	0	20.46	20.32	20.30	22.00
	16QAM	1	0	20.77	20.92	20.39	22.00
		1	38	20.77	20.21	20.27	22.00
		1	74	20.82	20.49	20.51	22.00
		36	0	20.50	20.27	20.26	22.00
		36	18	20.45	20.22	20.17	22.00
		36	39	20.36	20.28	20.13	22.00
		75	0	20.37	20.26	20.26	22.00
	64QAM	1	0	20.51	20.37	20.35	22.00
		1	38	20.78	20.44	20.41	22.00
		1	74	20.69	20.51	20.38	22.00
		36	0	20.68	20.52	20.29	22.00
		36	18	20.56	20.48	20.49	22.00
		36	39	20.92	21.01	20.48	22.00
		75	0	20.93	20.36	20.36	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	**20.81**	20.58	20.65	22.00
		1	50	20.28	20.13	20.04	22.00
		1	99	20.49	20.47	20.44	22.00
		50	0	**20.56**	20.40	20.32	22.00
		50	25	20.44	20.31	20.23	22.00
		50	50	20.42	20.31	20.24	22.00
		100	0	20.48	20.32	20.23	22.00
	16QAM	1	0	21.03	20.87	20.80	22.00
		1	50	20.47	20.42	20.38	22.00
		1	99	20.76	20.69	20.61	22.00
		50	0	20.45	20.30	20.24	22.00
		50	25	20.36	20.24	20.13	22.00
		50	50	20.34	20.25	20.15	22.00
		100	0	20.40	20.27	20.23	22.00
	64QAM	1	0	20.86	20.52	20.54	22.00
		1	50	20.26	20.15	20.01	22.00
		1	99	20.47	20.35	20.39	22.00
		50	0	20.51	20.33	20.20	22.00
		50	25	20.43	20.18	20.21	22.00
		50	50	20.34	20.23	20.23	22.00
		100	0	20.43	20.24	20.22	22.00

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LTE Band 2 Receiver on+ 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	16.72	16.54	16.39	18.00
		1	2	16.70	16.53	16.37	18.00
		1	5	16.73	16.53	16.40	18.00
		3	0	16.71	16.52	16.36	18.00
		3	2	16.68	16.40	16.28	18.00
		3	3	16.67	16.47	16.38	18.00
		6	0	16.66	16.35	16.32	18.00
	16QAM	1	0	16.93	16.65	16.63	18.00
		1	2	16.75	16.51	16.56	18.00
		1	5	16.93	16.73	16.50	18.00
		3	0	16.69	16.48	16.32	18.00
		3	2	16.61	16.34	16.29	18.00
		3	3	16.67	16.42	16.33	18.00
		6	0	16.58	16.33	16.33	18.00
	64QAM	1	0	16.68	16.43	16.40	18.00
		1	2	16.70	16.36	16.32	18.00
		1	5	16.69	16.52	16.44	18.00
		3	0	16.65	16.45	16.40	18.00
		3	2	16.69	16.47	16.29	18.00
		3	3	16.68	16.50	16.36	18.00
		6	0	16.69	16.37	16.32	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	16.71	16.52	16.41	18.00
		1	7	16.53	16.15	16.17	18.00
		1	14	16.67	16.37	16.38	18.00
		8	0	16.64	16.48	16.30	18.00
		8	4	16.66	16.45	16.30	18.00
		8	7	16.63	16.41	16.29	18.00
		15	0	16.68	16.43	16.33	18.00
	16QAM	1	0	16.87	16.81	16.54	18.00
		1	7	16.61	16.51	16.27	18.00
		1	14	16.83	16.61	16.60	18.00
		8	0	16.57	16.45	16.24	18.00
		8	4	16.53	16.36	16.28	18.00
		8	7	16.50	16.25	16.21	18.00
		15	0	16.54	16.32	16.23	18.00
	64QAM	1	0	16.58	16.47	16.39	18.00
		1	7	16.52	16.39	16.21	18.00
		1	14	16.57	16.44	16.36	18.00
		8	0	16.63	16.43	16.28	18.00
		8	4	16.58	16.46	16.36	18.00
		8	7	16.59	16.41	16.29	18.00

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		15	0	16.63	16.43	16.30	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	16.74	16.60	16.37	18.00
		1	13	16.70	16.49	16.39	18.00
		1	24	16.63	16.44	16.38	18.00
		12	0	16.75	16.51	16.41	18.00
		12	6	16.69	16.49	16.39	18.00
		12	13	16.69	16.45	16.37	18.00
		25	0	16.66	16.46	16.37	18.00
	16QAM	1	0	16.86	16.73	16.60	18.00
		1	13	16.93	16.67	16.51	18.00
		1	24	16.79	16.67	16.49	18.00
		12	0	16.63	16.52	16.23	18.00
		12	6	16.53	16.41	16.30	18.00
		12	13	16.52	16.33	16.31	18.00
		25	0	16.51	16.37	16.24	18.00
	64QAM	1	0	16.65	16.55	16.42	18.00
		1	13	16.64	16.52	16.41	18.00
		1	24	16.55	16.43	16.39	18.00
		12	0	16.71	16.51	16.40	18.00
		12	6	16.63	16.45	16.36	18.00
		12	13	16.63	16.48	16.38	18.00
		25	0	16.58	16.43	16.35	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	16.75	16.59	16.44	18.00
		1	25	16.52	16.23	16.07	18.00
		1	49	16.49	16.34	16.34	18.00
		25	0	16.74	16.51	16.40	18.00
		25	13	16.67	16.44	16.30	18.00
		25	25	16.65	16.40	16.23	18.00
		50	0	16.67	16.48	16.30	18.00
	16QAM	1	0	16.91	16.76	16.54	18.00
		1	25	16.85	16.49	16.39	18.00
		1	49	16.64	16.63	16.53	18.00
		25	0	16.59	16.43	16.34	18.00
		25	13	16.47	16.39	16.18	18.00
		25	25	16.46	16.23	16.18	18.00
		50	0	16.45	16.41	16.15	18.00
	64QAM	1	0	16.69	16.59	16.35	18.00
		1	25	16.52	16.42	16.16	18.00
		1	49	16.42	16.39	16.34	18.00
		25	0	16.70	16.47	16.43	18.00
		25	13	16.60	16.42	16.34	18.00
		25	25	16.56	16.43	16.31	18.00
		50	0	16.60	16.43	16.34	18.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	16.71	16.59	16.52	18.00
		1	38	16.66	16.44	16.38	18.00
		1	74	16.42	16.39	16.34	18.00
		36	0	16.77	16.56	16.41	18.00
		36	18	16.67	16.46	16.41	18.00
		36	39	16.52	16.46	16.25	18.00
		75	0	16.67	16.49	16.43	18.00
	16QAM	1	0	16.92	16.72	16.57	18.00
		1	38	16.82	16.70	16.57	18.00
		1	74	16.72	16.63	16.62	18.00
		36	0	16.66	16.48	16.37	18.00
		36	18	16.45	16.38	16.33	18.00
		36	39	16.41	16.30	16.27	18.00
		75	0	16.47	16.43	16.33	18.00
	64QAM	1	0	16.76	16.58	16.49	18.00
		1	38	16.60	16.55	16.39	18.00
		1	74	16.42	16.43	16.39	18.00
		36	0	16.70	16.50	16.38	18.00
		36	18	16.61	16.46	16.37	18.00
		36	39	16.52	16.52	16.35	18.00
		75	0	16.59	16.46	16.42	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	16.90	16.71	16.60	18.00
		1	50	16.30	16.19	16.27	18.00
		1	99	16.67	16.58	16.50	18.00
		50	0	16.82	16.58	16.45	18.00
		50	25	16.63	16.47	16.36	18.00
		50	50	16.56	16.51	16.34	18.00
		100	0	16.70	16.51	16.40	18.00
	16QAM	1	0	17.06	16.88	16.83	18.00
		1	50	16.68	16.44	16.39	18.00
		1	99	16.79	16.78	16.62	18.00
		50	0	16.65	16.37	16.39	18.00
		50	25	16.45	16.42	16.30	18.00
		50	50	16.41	16.40	16.19	18.00
		100	0	16.46	16.32	16.32	18.00
	64QAM	1	0	16.82	16.68	16.69	18.00
		1	50	16.41	16.41	16.12	18.00
		1	99	16.64	16.53	16.48	18.00
		50	0	16.70	16.52	16.51	18.00
		50	25	16.57	16.43	16.35	18.00
		50	50	16.46	16.45	16.35	18.00
		100	0	16.64	16.51	16.35	18.00

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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	18.25	17.92	17.85	19.50
		1	2	18.18	17.73	18.10	19.50
		1	5	18.07	17.90	17.89	19.50
		3	0	18.19	17.79	17.94	19.50
		3	2	18.01	17.73	17.86	19.50
		3	3	18.16	17.84	17.88	19.50
		6	0	18.17	17.77	17.62	19.50
	16QAM	1	0	18.52	18.37	17.97	19.50
		1	2	18.44	18.03	17.76	19.50
		1	5	18.51	18.18	17.96	19.50
		3	0	18.23	17.80	17.90	19.50
		3	2	17.92	17.72	17.50	19.50
		3	3	17.98	17.82	17.77	19.50
		6	0	18.24	17.72	17.89	19.50
	64QAM	1	0	18.09	17.86	17.85	19.50
		1	2	17.95	17.66	17.72	19.50
		1	5	18.06	17.80	17.90	19.50
		3	0	18.06	17.78	17.77	19.50
		3	2	17.93	17.66	17.75	19.50
		3	3	18.04	17.74	17.85	19.50
		6	0	17.99	17.76	17.84	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	18.25	17.96	17.85	19.50
		1	7	18.00	17.05	17.45	19.50
		1	14	18.16	17.82	17.96	19.50
		8	0	18.10	17.74	17.61	19.50
		8	4	18.18	17.77	17.53	19.50
		8	7	18.08	17.69	17.75	19.50
		15	0	18.15	17.90	17.68	19.50
	16QAM	1	0	18.52	18.40	18.12	19.50
		1	7	17.90	17.94	17.85	19.50
		1	14	18.34	18.15	18.45	19.50
		8	0	18.29	18.06	17.81	19.50
		8	4	18.29	17.77	17.69	19.50
		8	7	18.12	17.93	17.59	19.50
		15	0	18.14	17.76	17.65	19.50
	64QAM	1	0	18.05	17.83	17.84	19.50
		1	7	17.76	17.52	17.64	19.50
		1	14	17.88	17.80	17.84	19.50
		8	0	18.03	17.73	17.74	19.50
		8	4	18.05	17.76	17.83	19.50
		8	7	17.98	17.76	17.80	19.50

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		15	0	18.07	17.75	17.81	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	18.23	17.92	17.87	19.50
		1	13	18.25	17.81	17.89	19.50
		1	24	18.21	17.85	17.96	19.50
		12	0	18.25	17.93	17.76	19.50
		12	6	18.24	17.84	17.86	19.50
		12	13	18.21	17.84	17.70	19.50
		25	0	18.10	17.81	17.72	19.50
	16QAM	1	0	18.51	17.67	18.36	19.50
		1	13	18.36	17.90	17.66	19.50
		1	24	17.90	17.67	17.92	19.50
		12	0	18.33	17.84	17.68	19.50
		12	6	18.07	17.93	17.60	19.50
		12	13	18.10	17.71	17.79	19.50
		25	0	18.16	17.82	17.71	19.50
	64QAM	1	0	18.11	17.84	17.73	19.50
		1	13	18.06	17.83	17.86	19.50
		1	24	17.91	17.76	17.86	19.50
		12	0	18.11	17.84	17.81	19.50
		12	6	18.08	17.82	17.83	19.50
		12	13	18.10	17.82	17.86	19.50
		25	0	18.06	17.77	17.77	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	18.23	17.97	17.99	19.50
		1	25	18.10	17.47	17.81	19.50
		1	49	17.98	17.81	17.83	19.50
		25	0	18.21	17.91	17.80	19.50
		25	13	18.10	17.79	17.69	19.50
		25	25	18.04	17.79	17.69	19.50
		50	0	18.14	17.81	17.72	19.50
	16QAM	1	0	18.36	18.50	17.87	19.50
		1	25	18.44	17.99	18.23	19.50
		1	49	18.41	18.25	18.08	19.50
		25	0	18.21	17.87	17.72	19.50
		25	13	18.12	17.76	17.67	19.50
		25	25	18.13	17.72	17.66	19.50
		50	0	18.02	17.80	17.63	19.50
	64QAM	1	0	18.10	17.92	17.77	19.50
		1	25	17.80	17.58	17.48	19.50
		1	49	17.82	17.71	17.77	19.50
		25	0	18.07	17.81	17.87	19.50
		25	13	18.01	17.78	17.80	19.50
		25	25	17.90	17.75	17.81	19.50
		50	0	18.00	17.76	17.80	19.50

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Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	18.21	17.96	17.94	19.50
		1	38	18.18	17.77	17.73	19.50
		1	74	17.98	17.83	17.82	19.50
		36	0	18.24	17.89	17.98	19.50
		36	18	18.18	17.83	17.84	19.50
		36	39	17.97	17.91	17.77	19.50
		75	0	18.13	17.80	17.82	19.50
	16QAM	1	0	18.30	18.13	18.31	19.50
		1	38	18.46	18.35	17.83	19.50
		1	74	18.27	18.07	18.04	19.50
		36	0	18.25	17.92	17.80	19.50
		36	18	18.09	17.77	17.70	19.50
		36	39	18.05	17.86	17.69	19.50
		75	0	18.03	17.81	17.74	19.50
	64QAM	1	0	18.13	17.80	17.76	19.50
		1	38	17.98	17.81	17.74	19.50
		1	74	17.86	17.73	17.82	19.50
		36	0	18.09	17.84	17.75	19.50
		36	18	17.94	17.82	17.73	19.50
		36	39	17.92	17.78	17.80	19.50
		75	0	17.96	17.78	17.87	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	**18.49**	18.10	18.22	19.50
		1	50	18.07	17.58	17.81	19.50
		1	99	18.04	17.92	17.98	19.50
		50	0	**18.24**	17.94	17.97	19.50
		50	25	18.13	17.79	17.91	19.50
		50	50	18.05	17.79	17.74	19.50
		100	0	18.23	17.91	17.91	19.50
	16QAM	1	0	18.54	18.53	18.54	19.50
		1	50	18.43	17.63	17.15	19.50
		1	99	18.31	18.08	17.69	19.50
		50	0	18.23	17.86	17.87	19.50
		50	25	18.10	17.79	17.72	19.50
		50	50	17.95	17.82	17.67	19.50
		100	0	18.14	17.84	17.75	19.50
	64QAM	1	0	18.31	18.15	18.06	19.50
		1	50	17.78	17.62	17.60	19.50
		1	99	17.97	17.95	17.99	19.50
		50	0	18.16	17.86	17.77	19.50
		50	25	17.95	17.78	17.80	19.50
		50	50	17.92	17.83	17.83	19.50
		100	0	17.96	17.80	17.80	19.50

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LTE Band 4 Receiver on+ head&Receiver on+ 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	21.40	21.10	21.07	22.70
		1	2	20.94	21.54	21.26	22.70
		1	5	21.54	21.34	21.16	22.70
		3	0	21.34	21.12	21.17	22.70
		3	2	21.37	21.32	21.07	22.70
		3	3	21.29	21.33	21.12	22.70
		6	0	21.31	21.23	21.09	22.70
	16QAM	1	0	21.68	21.65	21.63	22.70
		1	2	21.46	20.70	21.61	22.70
		1	5	21.18	21.66	21.57	22.70
		3	0	21.18	21.07	21.24	22.70
		3	2	21.11	21.23	21.19	22.70
		3	3	21.02	21.13	21.12	22.70
		6	0	20.99	20.97	20.97	22.70
	64QAM	1	0	21.98	21.38	21.33	22.70
		1	2	21.99	21.32	21.16	22.70
		1	5	21.96	21.54	21.38	22.70
		3	0	21.97	21.36	21.34	22.70
		3	2	21.99	21.42	21.15	22.70
		3	3	21.97	21.48	21.30	22.70
		6	0	21.75	20.42	20.25	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	21.38	21.32	21.29	22.70
		1	7	20.91	20.91	20.41	22.70
		1	14	21.23	21.09	21.34	22.70
		8	0	21.39	21.19	21.28	22.70
		8	4	21.26	21.17	21.17	22.70
		8	7	21.20	21.27	20.87	22.70
		15	0	21.23	21.16	21.11	22.70
	16QAM	1	0	21.58	21.52	21.30	22.70
		1	7	21.71	21.22	21.13	22.70
		1	14	21.66	21.62	21.59	22.70
		8	0	21.31	21.34	21.14	22.70
		8	4	21.29	21.06	20.78	22.70
		8	7	21.23	21.07	21.17	22.70
		15	0	21.14	21.04	21.10	22.70
	64QAM	1	0	21.97	21.35	21.32	22.70
		1	7	21.96	21.28	21.21	22.70
		1	14	21.89	21.38	21.32	22.70
		8	0	21.76	20.40	20.29	22.20
		8	4	21.77	20.49	20.33	22.20
		8	7	21.69	20.45	20.28	22.20
		15	0	21.65	20.48	20.32	22.20

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Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	21.27	21.20	21.20	22.70
		1	13	21.50	21.36	21.09	22.70
		1	24	21.26	21.28	21.07	22.70
		12	0	21.34	21.25	21.22	22.70
		12	6	21.31	21.23	21.34	22.70
		12	13	21.29	21.37	21.14	22.70
		25	0	21.24	21.20	21.14	22.70
	16QAM	1	0	21.45	21.75	21.02	22.70
		1	13	21.64	21.85	21.65	22.70
		1	24	21.93	21.61	21.48	22.70
		12	0	21.46	21.11	21.18	22.70
		12	6	21.42	21.29	21.08	22.70
		12	13	21.47	21.35	21.17	22.70
		25	0	21.40	21.25	21.06	22.70
	64QAM	1	0	21.93	21.38	21.36	22.70
		1	13	21.89	21.55	21.37	22.70
		1	24	21.79	21.34	21.33	22.70
		12	0	21.84	20.45	20.36	22.20
		12	6	21.64	20.46	20.33	22.20
		12	13	21.32	20.56	20.31	22.20
		25	0	21.48	20.52	20.31	22.20

Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	21.40	21.15	21.11	22.70
		1	25	20.85	21.10	21.03	22.70
		1	49	21.22	21.22	21.20	22.70
		25	0	21.37	21.23	21.24	22.70
		25	13	21.16	21.20	21.16	22.70
		25	25	21.24	21.22	21.21	22.70
		50	0	21.34	21.15	21.13	22.70
	16QAM	1	0	21.59	21.34	21.32	22.70
		1	25	21.33	20.40	20.60	22.70
		1	49	21.94	21.14	21.56	22.70
		25	0	21.35	21.25	21.13	22.70
		25	13	21.33	21.18	21.08	22.70
		25	25	21.23	21.24	21.19	22.70
		50	0	21.11	21.09	21.02	22.70
	64QAM	1	0	21.92	21.42	21.26	22.70
		1	25	21.85	21.41	21.11	22.70
		1	49	21.34	21.38	21.39	22.70
		25	0	21.14	20.42	20.43	22.20
		25	13	21.26	20.49	20.30	22.20
		25	25	20.56	20.40	20.33	22.20
		50	0	20.87	20.36	20.29	22.20

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	21.24	21.40	21.26	22.70
		1	38	21.33	21.31	21.22	22.70
		1	74	21.24	21.16	21.23	22.70
		36	0	21.31	21.26	21.36	22.70
		36	18	21.35	21.16	21.19	22.70
		36	39	21.25	21.39	21.18	22.70
		75	0	21.25	21.15	21.32	22.70
	16QAM	1	0	21.79	21.75	21.04	22.70
		1	38	21.63	21.49	21.58	22.70
		1	74	21.90	20.97	21.52	22.70
		36	0	21.34	21.13	21.29	22.70
		36	18	21.35	21.00	21.15	22.70
		36	39	21.17	21.32	21.15	22.70
		75	0	21.31	21.31	21.23	22.70
	64QAM	1	0	21.69	21.35	21.53	22.70
		1	38	21.89	21.54	21.39	22.70
		1	74	21.78	21.34	21.31	22.70
		36	0	21.71	20.59	20.61	22.20
		36	18	21.38	20.57	20.46	22.20
		36	39	20.73	20.59	20.48	22.20
		75	0	21.03	20.53	20.39	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	21.91	21.86	21.97	22.70
		1	50	21.93	21.93	21.97	22.70
		1	99	**21.98**	21.35	21.33	22.70
		50	0	21.38	21.22	21.33	22.70
		50	25	21.22	21.15	21.14	22.70
		50	50	21.34	**21.39**	21.36	22.70
		100	0	21.28	21.39	21.15	22.70
	16QAM	1	0	21.67	20.69	21.28	22.70
		1	50	20.93	21.33	21.47	22.70
		1	99	21.73	21.69	21.19	22.70
		50	0	21.15	21.08	21.22	22.70
		50	25	21.17	21.04	21.04	22.70
		50	50	21.22	21.10	21.03	22.70
		100	0	21.28	21.32	21.10	22.70
	64QAM	1	0	21.35	21.01	21.14	22.70
		1	50	21.88	21.40	21.35	22.70
		1	99	21.79	21.51	21.46	22.70
		50	0	21.03	20.41	20.59	22.20
		50	25	20.47	20.37	20.41	22.20
		50	50	20.28	20.44	20.35	22.20
		100	0	20.59	20.36	20.36	22.20

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LTE Band 4 Receiver off (Body Scene)&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	24.74	23.85	24.01	25.20
		1	2	24.64	23.96	23.31	25.20
		1	5	24.62	23.96	23.94	25.20
		3	0	24.68	23.88	24.01	25.20
		3	2	24.72	23.81	23.91	25.20
		3	3	24.71	23.89	23.82	25.20
		6	0	23.63	22.53	22.65	24.20
	16QAM	1	0	23.89	23.10	22.91	24.20
		1	2	23.81	22.43	23.01	24.20
		1	5	23.84	23.18	23.32	24.20
		3	0	23.86	22.83	22.67	24.20
		3	2	23.86	23.22	23.18	24.20
		3	3	23.84	23.05	22.80	24.20
		6	0	22.97	21.88	21.97	23.20
	64QAM	1	0	22.85	21.81	21.71	23.20
		1	2	22.86	21.81	21.62	23.20
		1	5	22.93	22.01	21.79	23.20
		3	0	22.93	21.90	21.76	23.20
		3	2	22.92	21.87	21.64	23.20
		3	3	22.93	21.99	21.78	23.20
		6	0	21.75	20.42	20.25	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	24.73	23.86	23.87	25.20
		1	7	24.72	23.48	22.98	25.20
		1	14	24.60	23.91	23.85	25.20
		8	0	23.63	22.43	22.38	24.20
		8	4	23.69	22.46	22.50	24.20
		8	7	23.60	22.41	22.50	24.20
		15	0	23.59	22.43	22.46	24.20
	16QAM	1	0	23.90	22.93	23.31	24.20
		1	7	23.87	23.29	23.22	24.20
		1	14	23.70	23.13	22.89	24.20
		8	0	22.90	21.92	21.98	23.20
		8	4	22.89	22.02	21.85	23.20
		8	7	22.16	22.06	21.97	23.20
		15	0	24.15	21.84	21.90	23.20
	64QAM	1	0	22.78	21.77	21.70	23.20
		1	7	22.89	21.76	21.49	23.20
		1	14	22.71	21.88	21.74	23.20
		8	0	21.76	20.40	20.29	22.20
		8	4	21.77	20.49	20.33	22.20
		8	7	21.69	20.45	20.28	22.20

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		15	0	21.65	20.48	20.32	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	24.68	23.87	23.99	25.20
		1	13	24.70	23.93	23.93	25.20
		1	24	24.19	23.98	23.94	25.20
		12	0	23.69	22.46	22.52	24.20
		12	6	23.52	22.44	22.51	24.20
		12	13	23.15	22.51	22.55	24.20
		25	0	23.35	22.41	22.49	24.20
	16QAM	1	0	23.97	23.19	23.33	24.20
		1	13	23.89	22.92	23.36	24.20
		1	24	23.51	23.17	23.39	24.20
		12	0	23.17	22.03	22.03	23.20
		12	6	22.94	21.88	22.00	23.20
		12	13	22.69	21.98	22.06	23.20
		25	0	22.80	21.89	21.95	23.20
	64QAM	1	0	22.86	21.81	21.78	23.20
		1	13	22.86	21.97	21.74	23.20
		1	24	22.37	21.85	21.70	23.20
		12	0	21.84	20.45	20.36	22.20
		12	6	21.64	20.46	20.33	22.20
		12	13	21.32	20.56	20.31	22.20
		25	0	21.48	20.52	20.31	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	24.72	23.91	24.09	25.20
		1	25	24.38	23.65	23.52	25.20
		1	49	23.20	23.86	23.90	25.20
		25	0	23.37	22.47	22.61	24.20
		25	13	23.07	22.38	22.50	24.20
		25	25	22.40	22.52	22.50	24.20
		50	0	22.75	22.42	22.47	24.20
	16QAM	1	0	23.97	22.97	23.31	24.20
		1	25	23.79	23.49	22.92	24.20
		1	49	22.74	23.12	23.14	24.20
		25	0	22.83	21.94	21.93	23.20
		25	13	22.52	21.96	22.00	23.20
		25	25	22.03	21.97	22.03	23.20
		50	0	22.13	21.87	21.89	23.20
	64QAM	1	0	22.92	21.82	21.73	23.20
		1	25	22.55	21.87	21.47	23.20
		1	49	21.40	21.84	21.71	23.20
		25	0	21.14	20.42	20.43	22.20
		25	13	21.26	20.49	20.30	22.20
		25	25	20.56	20.40	20.33	22.20
		50	0	20.87	20.36	20.29	22.20

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Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	24.71	23.81	23.98	25.20
		1	38	24.11	23.97	23.93	25.20
		1	74	23.50	23.85	24.00	25.20
		36	0	23.38	22.48	22.77	24.20
		36	18	22.61	22.42	22.56	24.20
		36	39	22.11	22.63	22.58	24.20
		75	0	22.58	22.42	22.55	24.20
	16QAM	1	0	23.94	23.18	23.52	24.20
		1	38	23.66	23.34	23.18	24.20
		1	74	22.74	23.25	23.17	24.20
		36	0	22.87	21.90	22.17	23.20
		36	18	22.04	21.91	22.06	23.20
		36	39	21.65	22.12	21.99	23.20
		75	0	22.06	21.85	22.05	23.20
	64QAM	1	0	23.10	21.97	21.87	23.20
		1	38	22.67	22.04	21.54	23.20
		1	74	21.56	22.03	21.87	23.20
		36	0	21.71	20.59	20.61	22.20
		36	18	21.38	20.57	20.46	22.20
		36	39	20.73	20.59	20.48	22.20
		75	0	21.03	20.53	20.39	22.20

Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	**24.75**	23.50	23.73	25.20
		1	50	23.92	23.90	23.85	25.20
		1	99	24.00	24.04	24.12	25.20
		50	0	**22.84**	22.43	22.67	24.20
		50	25	22.45	22.42	22.52	24.20
		50	50	22.06	22.48	22.48	24.20
		100	0	22.58	22.27	22.54	24.20
	16QAM	1	0	23.87	22.75	23.13	24.20
		1	50	22.83	23.28	23.17	24.20
		1	99	22.71	23.42	23.26	24.20
		50	0	22.34	21.85	22.14	23.20
		50	25	21.87	21.82	21.87	23.20
		50	50	21.52	21.92	21.94	23.20
		100	0	22.10	21.70	21.95	23.20
	64QAM	1	0	22.66	21.42	21.70	23.20
		1	50	21.55	21.87	21.68	23.20
		1	99	21.91	21.97	21.85	23.20
		50	0	21.03	20.41	20.59	22.20
		50	25	20.47	20.37	20.41	22.20
		50	50	20.28	20.44	20.35	22.20
		100	0	20.59	20.36	20.36	22.20

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LTE Band 5 Receiver on+head&Receiver on+ 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	19.43	19.23	18.95	19.50
		1	2	19.44	19.22	19.07	19.50
		1	5	19.39	19.16	18.87	19.50
		3	0	19.40	19.21	19.00	19.50
		3	2	19.42	19.20	19.04	19.50
		3	3	19.42	19.19	18.97	19.50
		6	0	19.14	18.79	18.99	19.50
	16QAM	1	0	19.27	19.26	18.87	19.50
		1	2	19.17	19.32	19.15	19.50
		1	5	19.12	19.13	18.91	19.50
		3	0	19.44	19.03	18.95	19.50
		3	2	19.41	18.99	18.92	19.50
		3	3	19.39	18.93	18.84	19.50
		6	0	19.26	18.82	18.71	19.50
	64QAM	1	0	19.11	19.05	18.91	19.50
		1	2	19.13	19.01	19.01	19.50
		1	5	19.06	18.90	18.89	19.50
		3	0	19.13	19.02	19.06	19.50
		3	2	19.12	18.88	19.03	19.50
		3	3	19.09	18.98	18.96	19.50
		6	0	18.85	18.75	18.72	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 20415	Channel 20525	Channel 20635	Tune up
3MHz	QPSK	1	0	19.43	19.31	19.03	19.50
		1	7	19.39	19.21	18.97	19.50
		1	14	18.71	19.07	18.87	19.50
		8	0	19.06	18.77	18.93	19.50
		8	4	18.99	18.80	18.86	19.50
		8	7	18.86	18.75	18.96	19.50
		15	0	18.93	18.78	18.85	19.50
	16QAM	1	0	19.35	19.42	19.11	19.50
		1	7	19.26	19.35	19.08	19.50
		1	14	18.98	19.23	19.00	19.50
		8	0	19.26	18.87	19.03	19.50
		8	4	19.14	18.83	18.92	19.50
		8	7	18.96	18.73	18.67	19.50
		15	0	19.06	18.77	18.88	19.50
	64QAM	1	0	19.07	18.98	18.83	19.50
		1	7	19.09	19.01	18.95	19.50
		1	14	18.56	18.89	18.81	19.50
		8	0	18.84	18.65	18.93	19.50
		8	4	18.74	18.69	18.94	19.50
		8	7	18.63	18.73	18.69	19.50
		15	0	18.71	18.73	18.86	19.50

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Bandwidth	Modulation	RB size	RB offset	Channel 20425	Channel 20525	Channel 20625	Tune up
5MHz	QPSK	1	0	19.40	19.42	19.27	19.50
		1	13	18.95	19.20	19.05	19.50
		1	24	19.08	19.06	18.90	19.50
		12	0	19.11	18.94	18.86	19.50
		12	6	18.86	18.77	18.95	19.50
		12	13	18.76	18.73	18.75	19.50
		25	0	18.89	18.73	18.91	19.50
	16QAM	1	0	19.00	19.32	19.44	19.50
		1	13	19.12	19.33	19.17	19.50
		1	24	19.30	19.17	18.92	19.50
		12	0	19.20	18.95	19.03	19.50
		12	6	18.96	18.77	18.99	19.50
		12	13	18.83	18.75	18.83	19.50
		25	0	18.95	18.77	18.91	19.50
	64QAM	1	0	19.10	19.14	18.71	19.50
		1	13	18.71	18.98	18.80	19.50
		1	24	18.67	18.89	18.87	19.50
		12	0	18.77	18.79	18.78	19.50
		12	6	18.66	18.82	18.90	19.50
		12	13	18.61	18.70	18.90	19.50
		25	0	18.65	18.66	18.85	19.50

Bandwidth	Modulation	RB size	RB offset	Channel 20450	Channel 20525	Channel 20600	Tune up
10MHz	QPSK	1	0	19.41	**19.45**	19.36	19.50
		1	25	19.39	19.22	19.25	19.50
		1	49	19.15	18.94	18.81	19.50
		25	0	**18.98**	18.90	18.81	19.50
		25	13	18.87	18.78	18.86	19.50
		25	25	18.75	18.64	18.87	19.50
		50	0	18.72	18.69	18.92	19.50
	16QAM	1	0	19.47	19.09	19.38	19.50
		1	25	19.19	19.30	19.34	19.50
		1	49	19.31	19.13	18.95	19.50
		25	0	18.99	18.91	18.81	19.50
		25	13	18.96	18.77	19.06	19.50
		25	25	18.77	18.64	18.85	19.50
		50	0	18.69	18.68	19.01	19.50
	64QAM	1	0	19.13	18.90	18.95	19.50
		1	25	18.96	18.99	18.68	19.50
		1	49	18.74	18.69	18.77	19.50
		25	0	18.70	18.86	18.71	19.50
		25	13	18.65	18.74	18.73	19.50
		25	25	18.59	18.67	18.80	19.50
		50	0	18.64	18.68	18.80	19.50

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LTE Band 5 Receiver off (Body Scene)& 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	21.36	20.90	20.99	21.50
		1	2	21.32	20.87	20.69	21.50
		1	5	21.21	20.82	20.61	21.50
		3	0	21.33	20.85	20.73	21.50
		3	2	21.31	20.87	20.69	21.50
		3	3	21.27	20.84	20.62	21.50
		6	0	20.98	20.91	20.88	21.50
	16QAM	1	0	21.37	21.12	21.14	21.50
		1	2	21.41	20.99	21.20	21.50
		1	5	21.34	21.01	21.09	21.50
		3	0	21.15	20.69	20.88	21.50
		3	2	21.11	20.73	20.88	21.50
		3	3	21.06	20.68	20.83	21.50
		6	0	21.14	20.73	20.96	21.50
	64QAM	1	0	21.43	21.03	21.11	21.50
		1	2	21.44	20.99	20.87	21.50
		1	5	21.31	20.90	20.74	21.50
		3	0	21.13	20.95	20.83	21.50
		3	2	21.43	20.97	20.86	21.50
		3	3	21.42	21.03	20.71	21.50
		6	0	21.15	21.02	21.02	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 20415	Channel 20525	Channel 20635	Tune up
3MHz	QPSK	1	0	21.29	20.99	21.11	21.50
		1	7	21.28	20.86	20.97	21.50
		1	14	20.70	20.71	20.56	21.50
		8	0	21.03	20.85	20.80	21.50
		8	4	20.92	20.83	20.73	21.50
		8	7	20.76	20.86	20.85	21.50
		15	0	20.82	20.81	20.72	21.50
	16QAM	1	0	21.34	21.06	21.23	21.50
		1	7	21.42	21.00	21.18	21.50
		1	14	20.81	20.83	20.96	21.50
		8	0	21.16	20.77	20.98	21.50
		8	4	20.99	20.73	20.91	21.50
		8	7	20.86	20.68	20.92	21.50
		15	0	20.94	20.66	20.85	21.50
	64QAM	1	0	21.21	20.95	20.89	21.50
		1	7	21.08	21.01	20.87	21.50
		1	14	20.93	21.03	20.94	21.50
		8	0	20.92	20.91	20.92	21.50
		8	4	21.44	21.13	21.37	21.50
		8	7	21.12	21.16	21.38	21.50
		15	0	20.95	20.91	21.09	21.50

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Bandwidth	Modulation	RB size	RB offset	Channel 20425	Channel 20525	Channel 20625	Tune up
5MHz	QPSK	1	0	21.24	21.11	20.86	21.50
		1	13	20.73	20.73	21.06	21.50
		1	24	20.97	20.62	20.81	21.50
		12	0	20.95	20.95	20.81	21.50
		12	6	20.77	20.85	20.69	21.50
		12	13	20.67	20.64	20.57	21.50
		25	0	20.75	20.75	20.64	21.50
	16QAM	1	0	21.43	21.19	20.89	21.50
		1	13	20.83	20.86	21.13	21.50
		1	24	21.02	20.70	20.95	21.50
		12	0	21.05	20.79	20.99	21.50
		12	6	20.85	20.59	20.89	21.50
		12	13	20.77	20.58	20.80	21.50
		25	0	20.78	20.53	20.88	21.50
	64QAM	1	0	21.20	20.97	20.88	21.50
		1	13	21.08	20.99	20.93	21.50
		1	24	20.85	20.96	21.01	21.50
		12	0	21.02	20.96	20.79	21.50
		12	6	21.42	21.22	21.43	21.50
		12	13	21.04	21.20	21.34	21.50
		25	0	20.96	21.03	21.06	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 20450	Channel 20525	Channel 20600	Tune up
10MHz	QPSK	1	0	21.30	**21.31**	20.94	21.50
		1	25	21.11	20.80	20.96	21.50
		1	49	20.84	20.62	20.81	21.50
		25	0	20.90	**20.99**	20.87	21.50
		25	13	20.86	20.79	20.86	21.50
		25	25	20.84	20.65	20.71	21.50
		50	0	20.77	20.71	20.83	21.50
	16QAM	1	0	21.45	21.43	21.03	21.50
		1	25	21.25	20.90	20.99	21.50
		1	49	21.02	20.80	20.99	21.50
		25	0	20.79	20.78	20.63	21.50
		25	13	20.76	20.58	20.88	21.50
		25	25	20.65	20.49	20.84	21.50
		50	0	20.58	20.55	20.87	21.50
	64QAM	1	0	20.76	20.86	20.69	21.50
		1	25	20.72	20.92	20.54	21.50
		1	49	20.60	20.49	20.77	21.50
		25	0	20.65	20.81	20.65	21.50
		25	13	20.62	20.73	20.81	21.50
		25	25	20.64	20.63	20.75	21.50
		50	0	20.61	20.67	20.81	21.50

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LTE Band 7 Receiver on+head				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	13.75	13.84	13.90	15.70
		1	13	13.76	13.85	13.92	15.70
		1	24	13.75	13.82	13.91	15.70
		12	0	13.80	13.92	13.93	15.70
		12	6	13.74	13.85	13.89	15.70
		12	13	13.77	13.91	13.95	15.70
		25	0	13.71	13.87	13.90	15.70
	16QAM	1	0	14.00	14.13	14.22	15.70
		1	13	14.06	14.11	14.23	15.70
		1	24	13.99	14.10	14.15	15.70
		12	0	13.74	13.87	13.90	15.70
		12	6	13.66	13.84	13.82	15.70
		12	13	13.74	13.85	13.93	15.70
		25	0	13.68	13.79	13.82	15.70
	64QAM	1	0	13.92	14.12	14.08	15.70
		1	13	13.93	13.99	13.96	15.70
		1	24	13.89	14.00	14.15	15.70
		12	0	13.79	14.02	13.97	15.70
		12	6	14.11	14.23	14.27	15.70
		12	13	14.23	14.25	14.23	15.70
		25	0	14.13	14.27	14.28	15.70
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	13.78	13.92	13.86	15.70
		1	25	13.80	13.88	13.90	15.70
		1	49	13.61	13.75	13.80	15.70
		25	0	13.83	13.94	13.89	15.70
		25	13	13.83	13.92	13.91	15.70
		25	25	13.78	13.88	13.90	15.70
		50	0	13.77	13.87	13.87	15.70
	16QAM	1	0	13.98	14.18	14.13	15.70
		1	25	13.98	14.15	14.16	15.70
		1	49	13.78	13.91	13.99	15.70
		25	0	13.81	13.87	13.86	15.70
		25	13	13.81	13.88	13.86	15.70
		25	25	13.72	13.83	13.84	15.70
		50	0	13.76	13.82	13.83	15.70
	64QAM	1	0	13.90	14.07	14.01	15.70
		1	25	13.84	13.96	14.02	15.70
		1	49	13.91	14.09	14.03	15.70
		25	0	13.81	14.00	13.98	15.70
		25	13	14.19	14.23	14.28	15.70
		25	25	14.26	14.29	14.21	15.70
		50	0	14.11	14.25	14.29	15.70

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Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	13.79	13.83	13.82	15.70
		1	38	13.80	13.86	13.90	15.70
		1	74	13.69	13.83	13.96	15.70
		36	0	13.84	13.90	13.91	15.70
		36	18	13.79	13.89	13.90	15.70
		36	39	13.81	13.92	13.96	15.70
		75	0	13.82	13.88	13.93	15.70
	16QAM	1	0	13.99	14.01	14.00	15.70
		1	38	13.94	14.05	14.25	15.70
		1	74	13.92	14.17	14.19	15.70
		36	0	13.81	13.86	13.88	15.70
		36	18	13.75	13.82	13.92	15.70
		36	39	13.70	13.88	13.90	15.70
		75	0	13.75	13.81	13.88	15.70
	64QAM	1	0	14.12	14.25	14.09	15.70
		1	38	14.16	14.22	14.02	15.70
		1	74	13.95	14.05	14.04	15.70
		36	0	14.13	14.23	14.09	15.70
		36	18	14.08	14.19	14.03	15.70
		36	39	13.97	14.12	14.06	15.70
		75	0	14.09	14.18	14.03	15.70

Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	14.00	13.96	13.93	15.70
		1	50	13.61	13.81	13.76	15.70
		1	99	13.93	13.95	**14.12**	15.70
		50	0	13.86	13.89	13.91	15.70
		50	25	13.75	13.87	13.82	15.70
		50	50	13.81	13.92	**13.96**	15.70
		100	0	13.83	13.89	13.92	15.70
	16QAM	1	0	14.14	14.04	14.25	15.70
		1	50	13.89	14.14	14.02	15.70
		1	99	14.13	14.13	14.30	15.70
		50	0	13.78	13.82	13.83	15.70
		50	25	13.74	13.79	13.75	15.70
		50	50	13.70	13.87	13.89	15.70
		100	0	13.80	13.84	13.86	15.70
	64QAM	1	0	14.19	14.25	14.29	15.70
		1	50	13.97	14.13	13.87	15.70
		1	99	14.07	14.21	14.28	15.70
		50	0	14.13	14.26	14.11	15.70
		50	25	14.11	14.21	14.08	15.70
		50	50	14.09	14.18	14.12	15.70
		100	0	14.13	14.22	14.09	15.70

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LTE Band 7 Receiver off (Body Scene)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	20.01	20.16	20.53	21.70
		1	13	19.88	20.06	20.58	21.70
		1	24	19.79	20.02	20.34	21.70
		12	0	20.01	20.20	20.52	21.70
		12	6	19.96	20.10	20.53	21.70
		12	13	19.83	20.05	20.57	21.70
		25	0	19.86	20.02	20.53	21.70
	16QAM	1	0	20.54	20.06	20.42	21.70
		1	13	20.09	19.85	20.43	21.70
		1	24	19.60	20.35	20.64	21.70
		12	0	19.91	20.20	20.54	21.70
		12	6	19.91	19.91	20.54	21.70
		12	13	19.67	19.96	20.48	21.70
		25	0	19.74	20.04	20.52	21.70
	64QAM	1	0	19.88	20.19	20.16	21.70
		1	13	19.91	20.22	20.20	21.70
		1	24	19.78	20.14	20.05	21.70
		12	0	19.98	20.27	20.21	21.70
		12	6	19.92	20.18	20.14	21.70
		12	13	19.83	20.18	20.08	21.70
		25	0	19.88	20.17	20.05	21.70
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	19.95	20.31	20.51	21.70
		1	25	19.60	19.69	20.22	21.70
		1	49	19.37	19.92	20.25	21.70
		25	0	19.87	20.26	20.54	21.70
		25	13	19.73	20.04	20.48	21.70
		25	25	19.58	19.94	20.38	21.70
		50	0	19.77	19.98	20.42	21.70
	16QAM	1	0	20.33	20.38	20.64	21.70
		1	25	19.92	20.55	20.42	21.70
		1	49	19.73	20.20	20.63	21.70
		25	0	19.74	20.19	20.47	21.70
		25	13	19.59	20.01	20.44	21.70
		25	25	19.41	19.99	20.45	21.70
		50	0	19.57	19.91	20.38	21.70
	64QAM	1	0	20.06	20.26	20.10	21.70
		1	25	19.63	20.02	19.95	21.70
		1	49	19.72	19.99	20.01	21.70
		25	0	19.90	20.23	20.08	21.70
		25	13	19.82	20.14	20.05	21.70
		25	25	19.79	20.11	20.05	21.70
		50	0	19.83	20.18	20.02	21.70

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Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	20.01	20.10	20.36	21.70
		1	38	19.73	20.11	20.55	21.70
		1	74	19.80	19.80	20.23	21.70
		36	0	19.89	20.18	20.36	21.70
		36	18	19.73	20.20	20.48	21.70
		36	39	19.79	20.02	20.52	21.70
		75	0	19.78	20.07	20.29	21.70
	16QAM	1	0	20.27	20.38	20.63	21.70
		1	38	20.12	20.31	20.65	21.70
		1	74	19.72	19.92	20.50	21.70
		36	0	19.77	20.19	20.27	21.70
		36	18	19.66	20.04	20.43	21.70
		36	39	19.64	19.86	20.43	21.70
		75	0	19.65	19.97	20.33	21.70
	64QAM	1	0	20.21	20.05	20.66	21.70
		1	38	19.95	20.30	20.29	21.70
		1	74	19.86	20.15	20.40	21.70
		36	0	19.89	20.12	20.47	21.70
		36	18	19.95	20.19	20.28	21.70
		36	39	20.45	20.63	20.62	21.70
		75	0	20.02	20.39	20.66	21.70

Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	20.19	20.37	20.21	21.70
		1	50	19.64	20.01	20.06	21.70
		1	99	20.03	19.93	**20.46**	21.70
		50	0	19.87	20.18	20.20	21.70
		50	25	19.77	20.06	20.24	21.70
		50	50	19.82	19.96	**20.40**	21.70
		100	0	19.81	20.05	20.19	21.70
	16QAM	1	0	20.35	20.67	20.45	21.70
		1	50	19.89	20.31	20.64	21.70
		1	99	20.26	20.17	20.68	21.70
		50	0	19.69	20.13	20.11	21.70
		50	25	19.64	19.94	20.17	21.70
		50	50	19.72	19.84	20.30	21.70
		100	0	19.69	19.92	20.11	21.70
	64QAM	1	0	20.19	20.01	20.63	21.70
		1	50	19.95	20.34	20.40	21.70
		1	99	19.85	20.15	20.35	21.70
		50	0	19.91	20.15	20.60	21.70
		50	25	19.90	20.22	20.27	21.70
		50	50	20.50	20.65	20.60	21.70
		100	0	19.98	20.40	20.65	21.70

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LTE Band 7 Receiver on+ head+WiFi on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	11.40	11.51	11.60	13.20
		1	13	11.37	11.56	11.51	13.20
		1	24	11.36	11.62	11.49	13.20
		12	0	11.42	11.58	11.56	13.20
		12	6	11.46	11.69	11.59	13.20
		12	13	11.38	11.65	11.51	13.20
		25	0	11.37	11.53	11.47	13.20
	16QAM	1	0	11.58	11.82	11.30	13.20
		1	13	11.70	11.70	11.66	13.20
		1	24	11.89	11.94	12.00	13.20
		12	0	11.26	11.51	11.60	13.20
		12	6	11.35	11.40	11.61	13.20
		12	13	11.31	11.63	11.47	13.20
		25	0	11.35	11.54	11.33	13.20
	64QAM	1	0	11.37	11.65	11.51	13.20
		1	13	11.40	11.63	11.53	13.20
		1	24	11.32	11.55	11.46	13.20
		12	0	11.37	11.70	11.56	13.20
		12	6	11.40	11.62	11.61	13.20
		12	13	11.35	11.63	11.52	13.20
		25	0	11.36	11.64	11.47	13.20
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	11.43	11.48	11.38	13.20
		1	25	10.79	11.06	11.22	13.20
		1	49	11.32	11.52	11.63	13.20
		25	0	11.41	11.63	11.47	13.20
		25	13	11.47	11.55	11.52	13.20
		25	25	11.42	11.47	11.50	13.20
		50	0	11.45	11.48	11.47	13.20
	16QAM	1	0	11.51	11.75	11.87	13.20
		1	25	10.80	11.88	11.97	13.20
		1	49	11.80	11.86	11.80	13.20
		25	0	11.29	11.53	11.35	13.20
		25	13	11.35	11.50	11.36	13.20
		25	25	11.33	11.44	11.47	13.20
		50	0	11.37	11.36	11.35	13.20
	64QAM	1	0	10.97	10.97	10.97	13.20
		1	25	11.45	11.45	11.45	13.20
		1	49	11.49	11.49	11.49	13.20
		25	0	11.55	11.55	11.55	13.20
		25	13	11.58	11.58	11.58	13.20

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		25	25	11.53	11.53	11.53	13.20
		50	0	11.58	11.58	11.58	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	11.44	11.43	11.43	13.20
		1	38	11.49	11.67	11.50	13.20
		1	74	11.18	11.37	11.61	13.20
		36	0	11.50	11.57	11.45	13.20
		36	18	11.45	11.56	11.47	13.20
		36	39	11.44	11.49	11.56	13.20
		75	0	11.45	11.52	11.44	13.20
	16QAM	1	0	11.77	11.78	11.37	13.20
		1	38	11.85	11.59	11.70	13.20
		1	74	11.62	11.76	11.68	13.20
		36	0	11.41	11.44	11.43	13.20
		36	18	11.40	11.47	11.34	13.20
		36	39	11.44	11.54	11.56	13.20
		75	0	11.40	11.37	11.39	13.20
	64QAM	1	0	11.54	11.61	11.49	13.20
		1	38	11.46	11.68	11.52	13.20
		1	74	11.15	11.42	11.43	13.20
		36	0	11.53	11.63	11.49	13.20
		36	18	11.43	11.55	11.41	13.20
		36	39	11.37	11.54	11.48	13.20
		75	0	11.38	11.52	11.44	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	11.63	11.60	11.51	13.20
		1	50	10.99	11.20	11.26	13.20
		1	99	11.45	11.52	11.79	13.20
		50	0	11.42	11.51	11.40	13.20
		50	25	11.40	11.55	11.42	13.20
		50	50	11.43	11.48	11.56	13.20
		100	0	11.48	11.49	11.46	13.20
	16QAM	1	0	12.01	11.75	11.72	13.20
		1	50	11.77	10.92	11.01	13.20
		1	99	11.68	11.99	12.01	13.20
		50	0	11.33	11.43	11.36	13.20
		50	25	11.29	11.47	11.31	13.20
		50	50	11.34	11.49	11.49	13.20
		100	0	11.36	11.51	11.40	13.20
	64QAM	1	0	11.63	11.69	11.66	13.20
		1	50	11.19	11.39	11.19	13.20
		1	99	11.44	11.51	11.60	13.20
		50	0	11.48	11.60	11.47	13.20
		50	25	11.35	11.53	11.40	13.20

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		50	50	11.28	11.52	11.46	13.20
		100	0	11.40	11.55	11.48	13.20

LTE Band 7 Receiver off (Body Scene)+WiFi on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	17.48	17.58	17.93	19.20
		1	13	17.50	17.71	17.79	19.20
		1	24	17.34	17.50	17.86	19.20
		12	0	17.49	17.71	17.96	19.20
		12	6	17.51	17.63	17.94	19.20
		12	13	17.41	17.65	17.92	19.20
		25	0	17.45	17.63	17.90	19.20
	16QAM	1	0	16.99	17.96	18.46	19.20
		1	13	17.28	18.08	17.82	19.20
		1	24	17.50	17.58	17.89	19.20
		12	0	17.42	17.60	17.95	19.20
		12	6	17.40	17.61	17.99	19.20
		12	13	17.26	17.49	17.87	19.20
		25	0	17.34	17.56	17.89	19.20
	64QAM	1	0	17.51	17.68	17.67	19.20
		1	13	17.49	17.67	17.68	19.20
		1	24	17.36	17.52	17.53	19.20
		12	0	17.49	17.71	17.73	19.20
		12	6	17.49	17.62	17.65	19.20
		12	13	17.40	17.66	17.57	19.20
		25	0	17.34	17.60	17.50	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	17.53	17.66	18.02	19.20
		1	25	17.43	17.80	17.54	19.20
		1	49	17.18	17.61	17.79	19.20
		25	0	17.45	17.71	17.96	19.20
		25	13	17.35	17.59	17.88	19.20
		25	25	17.32	17.47	17.81	19.20
		50	0	17.39	17.58	17.86	19.20
	16QAM	1	0	17.73	17.90	18.38	19.20
		1	25	17.42	17.83	18.10	19.20
		1	49	17.72	17.57	18.20	19.20
		25	0	17.37	17.56	17.95	19.20
		25	13	17.28	17.54	17.81	19.20
		25	25	17.25	17.42	17.88	19.20
		50	0	17.26	17.49	17.85	19.20
	64QAM	1	0	17.48	17.65	17.67	19.20

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		1	25	17.25	17.37	17.39	19.20
		1	49	17.37	17.48	17.52	19.20
		25	0	17.49	17.64	17.54	19.20
		25	13	17.38	17.61	17.53	19.20
		25	25	17.38	17.53	17.51	19.20
		50	0	17.38	17.63	17.53	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	17.44	17.60	17.85	19.20
		1	38	17.35	17.61	17.96	19.20
		1	74	17.25	17.47	17.86	19.20
		36	0	17.54	17.67	17.86	19.20
		36	18	17.42	17.66	17.92	19.20
		36	39	17.41	17.56	17.82	19.20
		75	0	17.40	17.66	17.83	19.20
	16QAM	1	0	17.66	18.16	18.12	19.20
		1	38	17.62	17.90	18.19	19.20
		1	74	17.76	17.83	18.25	19.20
		36	0	17.41	17.63	17.75	19.20
		36	18	17.30	17.62	17.88	19.20
		36	39	17.32	17.47	17.86	19.20
		75	0	17.28	17.47	17.71	19.20
	64QAM	1	0	17.53	17.65	17.51	19.20
		1	38	17.44	17.62	17.51	19.20
		1	74	17.31	17.43	17.45	19.20
		36	0	17.54	17.70	17.57	19.20
		36	18	17.40	17.67	17.54	19.20
		36	39	17.42	17.59	17.55	19.20
		75	0	17.44	17.63	17.51	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	17.79	17.82	17.64	19.20
		1	50	17.54	17.67	17.49	19.20
		1	99	17.86	17.97	**18.25**	19.20
		50	0	17.47	17.68	17.60	19.20
		50	25	17.31	17.58	17.73	19.20
		50	50	17.41	17.55	**17.79**	19.20
		100	0	17.44	17.60	17.72	19.20
	16QAM	1	0	18.02	17.40	17.89	19.20
		1	50	17.47	17.61	17.99	19.20
		1	99	17.87	17.79	18.48	19.20
		50	0	17.43	17.55	17.62	19.20
		50	25	17.25	17.55	17.61	19.20
		50	50	17.34	17.47	17.75	19.20
		100	0	17.39	17.54	17.63	19.20
	64QAM	1	0	17.74	17.83	17.70	19.20

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		1	50	17.22	17.44	17.37	19.20
		1	99	17.53	17.54	17.65	19.20
		50	0	17.59	17.65	17.58	19.20
		50	25	17.41	17.62	17.44	19.20
		50	50	17.42	17.57	17.51	19.20
		100	0	17.46	17.59	17.46	19.20

LTE FDD Band 12 All scene				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	20.26	20.37	20.36	21.50
		1	2	20.02	20.23	20.24	21.50
		1	5	20.25	20.29	20.30	21.50
		3	0	20.11	20.25	20.33	21.50
		3	2	20.04	20.24	20.36	21.50
		3	3	20.16	20.20	20.35	21.50
		6	0	20.08	20.25	20.25	21.50
	16QAM	1	0	20.51	20.50	20.51	21.50
		1	2	20.43	20.49	20.49	21.50
		1	5	20.52	20.51	20.46	21.50
		3	0	20.13	20.19	20.32	21.50
		3	2	20.12	20.27	20.38	21.50
		3	3	20.15	20.24	20.42	21.50
		6	0	20.07	20.24	20.18	21.50
	64QAM	1	0	20.17	20.43	20.33	21.50
		1	2	20.36	20.43	20.38	21.50
		1	5	20.18	20.42	20.52	21.50
		3	0	20.22	20.32	20.46	21.50
		3	2	20.27	20.36	20.52	21.50
		3	3	20.25	20.45	20.45	21.50
		6	0	20.51	20.49	20.53	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 23025	Channel 23095	Channel 23165	Tune up
3MHz	QPSK	1	0	20.25	20.33	20.36	21.50
		1	7	19.93	20.15	20.29	21.50
		1	14	20.23	20.22	20.31	21.50
		8	0	20.12	20.17	20.14	21.50
		8	4	20.12	20.21	20.19	21.50
		8	7	20.04	20.17	20.21	21.50
		15	0	20.16	20.25	20.24	21.50
	16QAM	1	0	20.49	20.52	20.48	21.50
		1	7	20.15	20.45	20.53	21.50
		1	14	20.39	20.46	20.52	21.50
		8	0	20.08	20.14	20.21	21.50
		8	4	20.05	20.23	20.21	21.50
		8	7	20.07	20.16	20.22	21.50

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		15	0	20.10	20.18	20.18	21.50
	64QAM	1	0	20.14	20.32	20.37	21.50
		1	7	20.40	20.38	20.50	21.50
		1	14	20.22	20.37	20.43	21.50
		8	0	20.14	20.39	20.50	21.50
		8	4	20.24	20.33	20.52	21.50
		8	7	20.18	20.44	20.35	21.50
		15	0	20.51	20.48	20.46	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 23035	Channel 23095	Channel 23155	Tune up
5MHz	QPSK	1	0	20.28	20.28	20.28	21.50
		1	13	20.27	20.36	20.24	21.50
		1	24	20.24	20.26	20.30	21.50
		12	0	20.17	20.29	20.29	21.50
		12	6	20.13	20.20	20.24	21.50
		12	13	20.18	20.26	20.29	21.50
		25	0	20.14	20.26	20.27	21.50
	16QAM	1	0	20.49	20.48	20.53	21.50
		1	13	20.43	20.51	20.46	21.50
		1	24	20.49	20.46	20.52	21.50
		12	0	20.13	20.26	20.23	21.50
		12	6	20.13	20.20	20.21	21.50
		12	13	20.16	20.23	20.27	21.50
		25	0	20.07	20.19	20.21	21.50
	64QAM	1	0	20.21	20.41	20.34	21.50
		1	13	20.45	20.45	20.42	21.50
		1	24	20.22	20.39	20.44	21.50
		12	0	20.13	20.41	20.53	21.50
		12	6	20.27	20.35	20.44	21.50
		12	13	20.19	20.37	20.43	21.50
		25	0	20.53	20.52	20.52	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 23060	Channel 23095	Channel 23130	Tune up
10MHz	QPSK	1	0	20.23	**20.32**	20.32	21.50
		1	25	20.07	20.31	20.14	21.50
		1	49	20.16	20.15	20.25	21.50
		25	0	20.20	**20.25**	20.21	21.50
		25	13	20.11	20.23	20.21	21.50
		25	25	20.24	20.09	20.21	21.50
		50	0	20.12	20.24	20.24	21.50
	16QAM	1	0	20.49	20.51	20.54	21.50
		1	25	20.51	20.52	20.50	21.50
		1	49	20.45	20.44	20.44	21.50
		25	0	20.15	20.20	20.16	21.50
		25	13	20.07	20.18	20.12	21.50
		25	25	20.16	20.03	20.13	21.50
		50	0	20.05	20.17	20.17	21.50
	64QAM	1	0	20.30	20.27	20.43	21.50
		1	25	20.16	20.19	20.16	21.50

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		1	49	20.27	20.23	20.34	21.50
		25	0	20.28	20.33	20.37	21.50
		25	13	20.28	20.36	20.41	21.50
		25	25	20.24	20.30	20.38	21.50
		50	0	20.24	20.37	20.40	21.50

LTE FDD Band 17 Receiver on+head&Receiver on+ head+WiFi on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23755	Channel 23790	Channel 23825	Tune up
5MHz	QPSK	1	0	19.80	19.81	19.78	21.00
		1	13	19.76	19.81	19.81	21.00
		1	24	19.62	19.63	19.77	21.00
		12	0	19.78	19.81	19.80	21.00
		12	6	19.71	19.75	19.72	21.00
		12	13	19.79	19.69	19.77	21.00
		25	0	19.72	19.72	19.72	21.00
	16QAM	1	0	20.17	20.17	20.15	21.00
		1	13	20.11	20.06	20.21	21.00
		1	24	19.95	19.98	20.06	21.00
		12	0	19.64	19.65	19.67	21.00
		12	6	19.66	19.62	19.68	21.00
		12	13	19.62	19.68	19.71	21.00
		25	0	19.58	19.56	19.66	21.00
	64QAM	1	0	19.97	19.88	19.86	21.00
		1	13	19.89	19.88	19.90	21.00
		1	24	19.75	19.78	19.87	21.00
		12	0	19.81	19.83	19.81	21.00
		12	6	19.83	19.78	19.79	21.00
		12	13	19.79	19.79	19.84	21.00
		25	0	19.76	19.77	19.85	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 23780	Channel 23790	Channel 23800	Tune up
10MHz	QPSK	1	0	19.79	19.78	**19.81**	21.00
		1	25	19.58	19.66	19.50	21.00
		1	49	19.63	19.71	19.78	21.00
		25	0	19.81	**19.81**	19.80	21.00
		25	13	19.73	19.72	19.75	21.00
		25	25	19.67	19.61	19.72	21.00
		50	0	19.73	19.68	19.75	21.00
	16QAM	1	0	20.01	20.16	20.00	21.00
		1	25	19.95	19.98	19.94	21.00
		1	49	19.93	19.94	20.03	21.00
		25	0	19.70	19.72	19.71	21.00
		25	13	19.54	19.61	19.55	21.00
		25	25	19.54	19.58	19.56	21.00
		50	0	19.56	19.55	19.56	21.00

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	64QAM	1	0	19.94	19.93	19.91	21.00
		1	25	19.65	19.70	19.66	21.00
		1	49	19.73	19.78	19.78	21.00
		25	0	19.89	19.91	19.86	21.00
		25	13	19.74	19.80	19.76	21.00
		25	25	19.77	19.74	19.74	21.00
		50	0	19.74	19.79	19.77	21.00

LTE FDD Band 17 Receiver off (Body Scene)& 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	24.23	24.29	24.22	25.50
		1	13	24.14	24.18	24.16	25.50
		1	24	24.02	24.13	24.16	25.50
		12	0	22.66	22.68	22.70	24.50
		12	6	22.63	22.64	22.63	24.50
		12	13	22.65	22.66	22.66	24.50
		25	0	22.62	22.64	22.62	24.50
	16QAM	1	0	23.47	23.62	23.49	24.50
		1	13	23.42	23.49	23.59	24.50
		1	24	23.45	23.56	23.39	24.50
		12	0	22.14	22.14	22.13	23.50
		12	6	22.12	22.06	22.06	23.50
		12	13	22.12	22.13	22.08	23.50
		25	0	22.02	22.07	22.06	23.50
	64QAM	1	0	22.75	22.78	22.72	23.50
		1	13	22.74	22.82	22.76	23.50
		1	24	22.78	22.76	22.69	23.50
		12	0	21.66	21.76	21.64	22.50
		12	6	21.56	21.64	21.77	22.50
		12	13	21.54	21.66	21.49	22.50
		25	0	21.33	22.22	22.31	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 23780	Channel 23790	Channel 23800	Tune up
10MHz	QPSK	1	0	24.27	**24.29**	24.28	25.50
		1	25	24.01	24.08	24.00	25.50
		1	49	24.07	24.09	24.10	25.50
		25	0	**22.73**	22.70	22.63	24.50
		25	13	22.62	22.60	22.62	24.50
		25	25	22.62	22.58	22.59	24.50
		50	0	22.64	22.57	22.61	24.50
	16QAM	1	0	23.58	23.62	23.47	24.50
		1	25	23.43	23.41	23.48	24.50
		1	49	23.50	23.29	23.39	24.50
		25	0	22.15	22.15	22.09	23.50
		25	13	22.07	22.04	22.06	23.50

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		25	25	22.04	22.01	22.05	23.50
		50	0	22.06	21.98	22.03	23.50
	64QAM	1	0	22.73	22.73	22.75	23.50
		1	25	22.76	22.78	22.78	23.50
		1	49	22.73	22.72	22.82	23.50
		25	0	21.58	21.75	21.60	22.50
		25	13	21.59	21.65	21.70	22.50
		25	25	21.53	21.66	21.47	22.50
		50	0	22.22	22.22	22.20	22.50

LTE FDD Band 26 Receiver on+head&Receiver on+head+WiFi on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 26697	Channel 26865	Channel 27033	Tune up
1.4MHz	QPSK	1	0	18.67	18.83	18.83	20.00
		1	2	18.53	18.70	18.67	20.00
		1	5	18.74	18.81	18.76	20.00
		3	0	18.65	18.80	18.74	20.00
		3	2	18.60	18.66	18.68	20.00
		3	3	18.69	18.77	18.75	20.00
		6	0	18.66	18.81	18.60	20.00
	16QAM	1	0	19.00	19.10	19.12	20.00
		1	2	18.77	18.91	18.82	20.00
		1	5	18.92	19.11	18.97	20.00
		3	0	18.58	18.82	18.81	20.00
		3	2	18.63	18.76	18.75	20.00
		3	3	18.66	18.75	18.71	20.00
		6	0	18.61	18.75	18.66	20.00
	64QAM	1	0	18.82	18.88	18.76	20.00
		1	2	18.73	18.78	18.79	20.00
		1	5	18.90	18.81	18.79	20.00
		3	0	18.81	18.82	18.83	20.00
		3	2	18.78	18.80	18.76	20.00
		3	3	18.84	18.83	18.80	20.00
		6	0	18.83	18.78	18.94	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 26705	Channel 26865	Channel 27025	Tune up
3MHz	QPSK	1	0	18.64	18.80	18.77	20.00
		1	7	18.05	18.11	18.09	20.00
		1	14	18.60	18.82	18.66	20.00
		8	0	18.69	18.80	18.63	20.00
		8	4	18.71	18.80	18.61	20.00
		8	7	18.71	18.76	18.56	20.00
		15	0	18.71	18.83	18.63	20.00
	16QAM	1	0	18.85	19.07	19.15	20.00
		1	7	17.14	17.55	17.39	20.00
		1	14	18.84	19.02	18.93	20.00
		8	0	18.58	18.61	18.65	20.00

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		8	4	18.63	18.70	18.59	20.00
		8	7	18.60	18.64	18.58	20.00
		15	0	18.54	18.63	18.58	20.00
	64QAM	1	0	18.82	18.80	18.81	20.00
		1	7	17.73	17.82	17.54	20.00
		1	14	18.74	18.87	18.78	20.00
		8	0	18.84	18.71	18.85	20.00
		8	4	18.89	18.77	18.81	20.00
		8	7	18.83	18.77	18.90	20.00
		15	0	18.83	18.75	18.80	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 26715	Channel 26865	Channel 27015	Tune up
5MHz	QPSK	1	0	18.67	18.90	18.65	20.00
		1	13	18.63	18.81	18.74	20.00
		1	24	18.76	18.81	18.67	20.00
		12	0	18.79	18.86	18.79	20.00
		12	6	18.67	18.82	18.64	20.00
		12	13	18.64	18.86	18.60	20.00
		25	0	18.64	18.83	18.67	20.00
	16QAM	1	0	18.83	19.21	18.95	20.00
		1	13	19.00	19.08	19.07	20.00
		1	24	19.11	19.06	18.86	20.00
		12	0	18.61	18.70	18.59	20.00
		12	6	18.71	18.70	18.69	20.00
		12	13	18.68	18.70	18.55	20.00
		25	0	18.70	18.61	18.51	20.00
	64QAM	1	0	19.10	19.14	18.71	20.00
		1	13	18.71	18.98	18.80	20.00
		1	24	18.67	18.89	18.87	20.00
		12	0	18.77	18.79	18.78	20.00
		12	6	18.66	18.82	18.90	20.00
		12	13	18.61	18.70	18.90	20.00
		25	0	18.65	18.66	18.85	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 26750	Channel 26865	Channel 26990	Tune up
10MHz	QPSK	1	0	18.82	18.62	18.86	20.00
		1	25	18.67	18.70	18.55	20.00
		1	49	18.65	18.66	18.65	20.00
		25	0	18.63	18.84	18.82	20.00
		25	13	18.61	18.83	18.71	20.00
		25	25	18.74	18.79	18.61	20.00
		50	0	18.56	18.82	18.76	20.00
	16QAM	1	0	19.08	18.93	19.13	20.00
		1	25	18.97	19.09	18.85	20.00
		1	49	18.95	18.92	18.87	20.00
		25	0	18.62	18.59	18.61	20.00
		25	13	18.71	18.59	18.50	20.00
		25	25	18.59	18.60	18.55	20.00
		50	0	18.53	18.61	18.54	20.00

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	64QAM	1	0	19.04	18.78	19.00	20.00
		1	25	18.80	18.87	18.71	20.00
		1	49	18.96	18.93	18.80	20.00
		25	0	18.94	18.84	18.85	20.00
		25	13	18.97	18.84	18.91	20.00
		25	25	18.96	18.82	18.95	20.00
		50	0	18.85	18.82	18.89	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 26775	Channel 26865	Channel 26965	Tune up
15MHz	QPSK	1	0	18.81	**18.90**	18.88	20.00
		1	38	18.81	18.86	18.78	20.00
		1	74	18.77	18.73	18.70	20.00
		36	0	18.70	18.86	**18.91**	20.00
		36	18	18.80	18.83	18.79	20.00
		36	39	18.75	18.82	18.68	20.00
		75	0	18.67	18.83	18.82	20.00
	16QAM	1	0	19.12	19.16	19.09	20.00
		1	38	19.11	19.21	19.01	20.00
		1	74	19.03	18.93	18.91	20.00
		36	0	18.75	18.59	18.68	20.00
		36	18	18.59	18.61	18.54	20.00
		36	39	18.54	18.58	18.53	20.00
		75	0	18.52	18.61	18.64	20.00
	64QAM	1	0	19.05	19.09	18.89	20.00
		1	38	18.98	19.00	18.98	20.00
		1	74	18.89	18.91	18.81	20.00
		36	0	18.99	18.78	18.89	20.00
		36	18	18.95	18.83	18.82	20.00
		36	39	18.84	18.84	18.90	20.00
		75	0	18.82	18.81	18.83	20.00

LTE FDD Band 26 Receiver off (Body Scene)& Receiver off (Body Scene)+WiFi on				**Conducted Power(dBm)**			
Bandwidth	Modulation	RB size	RB offset	Channel 26697	Channel 26865	Channel 27033	Tune up
1.4MHz	QPSK	1	0	23.93	24.20	24.10	25.50
		1	2	23.92	24.18	23.91	25.50
		1	5	24.22	24.26	23.86	25.50
		3	0	24.09	24.25	23.97	25.50
		3	2	24.11	24.15	23.88	25.50
		3	3	24.16	24.21	23.90	25.50
		6	0	22.63	22.71	22.48	24.50
	16QAM	1	0	23.26	23.49	23.32	24.50
		1	2	23.29	23.41	23.13	24.50
		1	5	23.50	23.55	23.20	24.50
		3	0	23.04	23.24	22.98	24.50
		3	2	23.11	23.22	22.95	24.50

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		3	3	23.13	23.22	22.90	24.50
		6	0	22.10	22.22	22.01	23.50
	64QAM	1	0	21.09	21.12	21.20	23.50
		1	2	21.15	21.16	21.17	23.50
		1	5	21.07	21.15	21.15	23.50
		3	0	21.17	21.16	21.14	23.50
		3	2	21.07	21.09	21.18	23.50
		3	3	21.10	21.10	21.13	23.50
		6	0	21.16	21.17	21.18	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	23.91	24.19	24.11	25.50
		1	7	22.32	22.70	22.34	25.50
		1	14	24.12	24.13	23.90	25.50
		8	0	22.66	22.69	22.57	24.50
		8	4	22.76	22.77	22.54	24.50
		8	7	22.72	22.69	22.47	24.50
		15	0	22.69	22.73	22.53	24.50
	16QAM	1	0	23.25	23.73	23.33	24.50
		1	7	21.68	22.07	21.62	24.50
		1	14	23.44	23.43	23.24	24.50
		8	0	22.14	22.15	22.06	23.50
		8	4	22.25	22.24	22.02	23.50
		8	7	22.24	22.10	22.00	23.50
		15	0	22.13	22.06	22.00	23.50
	64QAM	1	0	21.08	21.14	21.16	23.50
		1	7	21.16	21.12	21.11	23.50
		1	14	21.20	21.16	21.13	23.50
		8	0	21.16	21.11	21.18	22.50
		8	4	21.17	21.12	21.15	22.50
		8	7	21.20	21.20	21.07	22.50
		15	0	21.17	21.18	21.12	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	23.77	24.25	24.01	25.50
		1	13	24.22	24.27	24.02	25.50
		1	24	24.23	24.12	23.87	25.50
		12	0	22.37	22.69	22.51	24.50
		12	6	22.65	22.78	22.58	24.50
		12	13	22.65	22.78	22.54	24.50
		25	0	22.40	22.67	22.26	24.50
	16QAM	1	0	23.04	23.44	23.24	24.50
		1	13	23.53	23.61	23.24	24.50
		1	24	23.44	23.38	23.16	24.50
		12	0	21.84	22.16	21.93	23.50
		12	6	22.12	22.26	22.07	23.50
		12	13	22.13	22.16	22.01	23.50
		25	0	21.82	22.09	21.68	23.50
	64QAM	1	0	21.09	21.09	21.14	23.50

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		1	13	21.11	21.16	21.11	23.50
		1	24	21.18	21.07	21.18	23.50
		12	0	21.11	21.11	21.09	22.50
		12	6	21.19	21.18	21.17	22.50
		12	13	21.15	21.18	21.16	22.50
		25	0	21.16	21.08	21.13	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 26750	Channel 26865	Channel 26990	Tune up
10MHz	QPSK	1	0	24.17	24.10	24.14	25.50
		1	25	24.18	24.14	23.85	25.50
		1	49	23.99	24.04	23.90	25.50
		25	0	22.62	22.59	22.52	24.50
		25	13	22.63	22.64	22.44	24.50
		25	25	22.61	22.61	22.54	24.50
		50	0	22.58	22.63	22.52	24.50
	16QAM	1	0	23.38	23.45	23.40	24.50
		1	25	23.55	23.50	23.19	24.50
		1	49	23.27	23.38	23.27	24.50
		25	0	22.06	22.02	21.96	23.50
		25	13	22.08	22.09	21.87	23.50
		25	25	22.06	22.05	22.00	23.50
		50	0	22.01	22.07	21.95	23.50
	64QAM	1	0	21.19	21.16	21.13	23.50
		1	25	21.16	21.14	21.15	23.50
		1	49	21.17	21.08	21.13	23.50
		25	0	21.10	21.20	21.18	22.50
		25	13	21.16	21.09	21.15	22.50
		25	25	21.12	21.11	21.20	22.50
		50	0	21.18	21.08	21.19	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 26775	Channel 26865	Channel 26965	Tune up
15MHz	QPSK	1	0	**24.16**	24.13	24.13	25.50
		1	38	24.09	24.15	23.91	25.50
		1	74	24.07	23.91	23.91	25.50
		36	0	**22.69**	22.50	22.57	24.50
		36	18	22.56	22.61	22.46	24.50
		36	39	22.47	22.55	22.43	24.50
		75	0	22.51	22.59	22.58	24.50
	16QAM	1	0	23.39	23.42	23.37	24.50
		1	38	23.33	23.44	23.19	24.50
		1	74	23.32	23.09	23.14	24.50
		36	0	22.14	21.92	22.00	23.50
		36	18	21.97	22.04	21.93	23.50
		36	39	21.88	22.03	21.86	23.50
		75	0	21.90	22.03	22.02	23.50
	64QAM	1	0	21.09	21.07	21.15	23.50
		1	38	21.15	21.08	21.17	23.50
		1	74	21.13	21.18	21.17	23.50
		36	0	21.15	21.07	21.09	22.50

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		36	18	21.10	21.13	21.18	22.50
		36	39	21.19	21.12	21.09	22.50
		75	0	21.17	21.13	21.16	22.50

LTE Band 38 Receiver on+ head				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 37775	Channel 38000	Channel 38225	Tune up
5MHz	QPSK	1	0	17.84	17.78	17.82	19.20
		1	13	17.77	17.81	17.80	19.20
		1	24	17.76	17.70	17.75	19.20
		12	0	17.88	17.89	17.90	19.20
		12	6	17.78	17.85	17.84	19.20
		12	13	17.70	17.76	17.84	19.20
		25	0	17.76	17.83	17.85	19.20
	16QAM	1	0	17.80	17.89	17.92	19.20
		1	13	17.75	17.90	17.90	19.20
		1	24	17.64	17.76	17.85	19.20
		12	0	17.77	17.74	17.77	19.20
		12	6	17.74	17.70	17.75	19.20
		12	13	17.77	17.70	17.66	19.20
		25	0	17.76	17.68	17.77	19.20
	64QAM	1	0	17.80	17.75	17.83	19.20
		1	13	17.77	17.70	17.81	19.20
		1	24	17.58	17.66	17.73	19.20
		12	0	17.69	17.68	17.82	19.20
		12	6	17.71	17.63	17.74	19.20
		12	13	17.71	17.65	17.71	19.20
		25	0	17.73	17.64	17.69	19.20
Bandwidth	Modulation	RB size	RB offset	Channel 37800	Channel 38000	Channel 38200	Tune up
10MHz	QPSK	1	0	17.83	17.85	17.86	19.20
		1	25	17.86	17.86	17.93	19.20
		1	49	17.61	17.69	17.71	19.20
		25	0	17.88	17.86	17.86	19.20
		25	13	17.74	17.82	17.86	19.20
		25	25	17.74	17.78	17.75	19.20
		50	0	17.74	17.81	17.88	19.20
	16QAM	1	0	17.91	17.91	17.84	19.20
		1	25	17.63	17.80	17.62	19.20
		1	49	17.72	17.73	17.64	19.20
		25	0	17.83	17.79	17.82	19.20
		25	13	17.77	17.71	17.76	19.20
		25	25	17.77	17.69	17.70	19.20
		50	0	17.74	17.69	17.70	19.20
	64QAM	1	0	17.82	17.80	17.82	19.20
		1	25	17.54	17.47	17.50	19.20
		1	49	17.64	17.65	17.70	19.20
		25	0	17.75	17.68	17.82	19.20

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		25	13	17.72	17.65	17.73	19.20
		25	25	17.64	17.60	17.69	19.20
		50	0	17.75	17.63	17.68	19.20
Bandwidth	Modulation	RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up
15MHz	QPSK	1	0	17.93	17.92	17.93	19.20
		1	38	17.87	17.93	17.92	19.20
		1	74	17.71	17.81	17.86	19.20
		36	0	17.90	17.89	17.88	19.20
		36	18	17.75	17.85	17.77	19.20
		36	39	17.73	17.78	17.80	19.20
		75	0	17.76	17.87	17.82	19.20
	16QAM	1	0	17.93	17.90	17.93	19.20
		1	38	17.79	17.86	17.87	19.20
		1	74	17.63	17.73	17.80	19.20
		36	0	17.86	17.79	17.79	19.20
		36	18	17.78	17.66	17.64	19.20
		36	39	17.77	17.72	17.64	19.20
		75	0	17.79	17.66	17.69	19.20
	64QAM	1	0	17.79	17.72	17.74	19.20
		1	38	17.73	17.75	17.73	19.20
		1	74	17.57	17.54	17.53	19.20
		36	0	17.80	17.69	17.67	19.20
		36	18	17.78	17.66	17.67	19.20
		36	39	17.65	17.65	17.71	19.20
		75	0	17.79	17.67	17.70	19.20
Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	17.37	17.46	17.45	19.20
		1	50	17.87	**17.95**	17.95	19.20
		1	99	17.87	17.85	17.86	19.20
		50	0	17.90	**17.92**	17.91	19.20
		50	25	17.71	17.80	17.85	19.20
		50	50	17.73	17.78	17.77	19.20
		100	0	17.89	17.89	17.85	19.20
	16QAM	1	0	17.39	17.44	17.48	19.20
		1	50	17.72	17.60	17.70	19.20
		1	99	17.87	17.93	17.89	19.20
		50	0	17.85	17.79	17.82	19.20
		50	25	17.73	17.67	17.73	19.20
		50	50	17.64	17.67	17.67	19.20
		100	0	17.71	17.68	17.67	19.20
	64QAM	1	0	17.51	17.48	17.52	19.20
		1	50	17.92	17.93	17.92	19.20
		1	99	17.77	17.76	17.88	19.20
		50	0	17.81	17.67	17.77	19.20
		50	25	17.75	17.64	17.65	19.20
		50	50	17.75	17.65	17.68	19.20
		100	0	17.77	17.68	17.70	19.20

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LTE Band 38 Receiver off (Body Scene)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 37775	Channel 38000	Channel 38225	Tune up
5MHz	QPSK	1	0	22.41	22.40	22.42	23.70
		1	13	22.37	22.38	22.37	23.70
		1	24	22.31	22.29	22.21	23.70
		12	0	22.36	22.27	22.40	23.70
		12	6	22.14	22.18	22.33	23.70
		12	13	22.19	22.26	22.29	23.70
		25	0	22.16	22.28	22.35	23.70
	16QAM	1	0	22.43	22.33	22.42	23.70
		1	13	22.36	22.25	22.41	23.70
		1	24	22.15	22.19	22.33	23.70
		12	0	21.65	21.69	21.83	23.20
		12	6	21.65	21.70	21.75	23.20
		12	13	21.66	21.67	21.67	23.20
		25	0	21.66	21.69	21.79	23.20
	64QAM	1	0	22.26	22.30	22.28	23.20
		1	13	22.22	22.25	22.32	23.20
		1	24	22.19	22.12	22.16	23.20
		12	0	22.16	22.12	22.20	22.20
		12	6	22.16	22.08	22.16	22.20
		12	13	22.10	22.06	22.16	22.20
		25	0	22.14	22.06	22.15	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 37800	Channel 38000	Channel 38200	Tune up
10MHz	QPSK	1	0	22.42	22.41	22.42	23.70
		1	25	22.43	22.40	22.43	23.70
		1	49	22.28	22.30	22.23	23.70
		25	0	22.24	22.30	22.36	23.70
		25	13	22.19	22.24	22.39	23.70
		25	25	22.15	22.23	22.23	23.70
		50	0	22.18	22.26	22.37	23.70
	16QAM	1	0	22.42	22.40	22.42	23.70
		1	25	22.23	22.24	22.16	23.70
		1	49	22.23	22.26	22.26	23.70
		25	0	21.75	21.76	21.82	23.20
		25	13	21.68	21.68	21.81	23.20
		25	25	21.67	21.67	21.67	23.20
		50	0	21.62	21.69	21.77	23.20
	64QAM	1	0	22.31	22.32	22.28	23.20
		1	25	22.17	22.17	22.17	23.20
		1	49	22.09	22.10	22.14	23.20
		25	0	22.06	22.15	22.21	22.20
		25	13	22.02	22.09	22.17	22.20
		25	25	21.98	22.06	22.15	22.20
		50	0	22.02	22.09	22.17	22.20

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Bandwidth	Modulation	RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up
15MHz	QPSK	1	0	22.41	22.43	22.40	23.70
		1	38	22.42	22.41	22.35	23.70
		1	74	22.26	22.30	22.23	23.70
		36	0	22.27	22.34	22.27	23.70
		36	18	22.21	22.20	22.26	23.70
		36	39	22.17	22.25	22.30	23.70
		75	0	22.20	22.27	22.29	23.70
	16QAM	1	0	22.42	22.35	22.33	23.70
		1	38	22.29	22.30	22.24	23.70
		1	74	22.14	22.18	22.12	23.70
		36	0	21.74	21.78	21.72	23.20
		36	18	21.66	21.66	21.67	23.20
		36	39	21.66	21.68	21.72	23.20
		75	0	21.65	21.64	21.70	23.20
	64QAM	1	0	22.33	22.28	22.31	23.20
		1	38	22.26	22.26	22.26	23.20
		1	74	22.06	22.16	22.15	23.20
		36	0	22.12	22.17	22.18	22.20
		36	18	22.06	22.15	22.17	22.20
		36	39	22.03	22.16	22.18	22.20
		75	0	22.04	22.14	22.18	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	21.90	22.02	22.01	23.70
		1	50	22.25	22.26	22.28	23.70
		1	99	22.44	**22.44**	22.36	23.70
		50	0	22.30	22.38	**22.40**	23.70
		50	25	22.21	22.27	22.34	23.70
		50	50	22.23	22.27	22.29	23.70
		100	0	22.27	22.25	22.26	23.70
	16QAM	1	0	21.94	22.04	22.07	23.70
		1	50	22.14	22.27	22.38	23.70
		1	99	22.36	22.40	22.41	23.70
		50	0	21.77	21.82	21.84	23.20
		50	25	21.63	21.67	21.73	23.20
		50	50	21.67	21.68	21.69	23.20
		100	0	21.76	21.70	21.70	23.20
	64QAM	1	0	21.96	22.04	22.03	23.20
		1	50	22.22	22.27	22.28	23.20
		1	99	22.31	22.38	22.35	23.20
		50	0	22.32	22.15	22.22	22.20
		50	25	22.19	22.07	22.16	22.20
		50	50	22.01	22.12	22.14	22.20
		100	0	22.08	22.12	22.18	22.20

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LTE Band 38 Receiver on+head+WiFi on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 37775	Channel 38000	Channel 38225	Tune up
5MHz	QPSK	1	0	15.46	15.21	15.34	16.70
		1	13	15.25	15.10	15.07	16.70
		1	24	15.06	15.04	15.03	16.70
		12	0	15.17	15.16	15.20	16.70
		12	6	15.14	15.08	15.08	16.70
		12	13	15.10	15.12	15.10	16.70
		25	0	15.10	15.09	15.11	16.70
	16QAM	1	0	15.23	15.22	15.38	16.70
		1	13	15.11	15.17	15.24	16.70
		1	24	15.06	15.10	15.20	16.70
		12	0	15.12	15.08	15.07	16.70
		12	6	15.06	15.00	15.00	16.70
		12	13	15.04	15.02	15.05	16.70
		25	0	14.99	15.02	14.98	16.70
	64QAM	1	0	15.42	15.27	15.28	16.70
		1	13	15.27	15.27	15.25	16.70
		1	24	15.21	15.21	15.16	16.70
		12	0	15.26	15.26	15.29	16.70
		12	6	15.18	15.20	15.25	16.70
		12	13	15.22	15.15	15.31	16.70
		25	0	15.21	15.27	15.24	16.70
Bandwidth	Modulation	RB size	RB offset	Channel 37800	Channel 38000	Channel 38200	Tune up
10MHz	QPSK	1	0	15.61	15.28	15.53	16.70
		1	25	15.25	15.03	15.15	16.70
		1	49	15.03	15.02	15.01	16.70
		25	0	15.22	15.16	15.30	16.70
		25	13	15.08	15.09	15.12	16.70
		25	25	15.08	15.07	15.09	16.70
		50	0	15.09	15.11	15.13	16.70
	16QAM	1	0	15.36	15.34	15.59	16.70
		1	25	15.06	15.24	15.38	16.70
		1	49	15.03	15.20	15.22	16.70
		25	0	15.08	15.07	15.09	16.70
		25	13	14.99	15.01	15.05	16.70
		25	25	14.97	14.98	15.00	16.70
		50	0	15.03	15.04	15.03	16.70
	64QAM	1	0	15.52	15.38	15.36	16.70
		1	25	15.32	15.12	15.10	16.70
		1	49	15.29	15.31	15.23	16.70
		25	0	15.25	15.26	15.29	16.70
		25	13	15.23	15.25	15.25	16.70
		25	25	15.21	15.13	15.18	16.70
		50	0	15.23	15.25	15.28	16.70

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	15.68	15.32	15.43	16.70
		1	38	15.28	15.11	15.20	16.70
		1	74	15.04	15.04	15.03	16.70
		36	0	15.24	15.21	15.24	16.70
		36	18	15.15	15.12	15.15	16.70
		36	39	15.10	15.11	15.12	16.70
		75	0	15.15	15.14	15.13	16.70
	16QAM	1	0	15.44	15.30	15.35	16.70
		1	38	15.14	15.23	15.24	16.70
		1	74	15.06	15.13	15.15	16.70
		36	0	15.11	15.12	15.10	16.70
		36	18	15.03	15.06	15.05	16.70
		36	39	15.02	15.03	15.02	16.70
		75	0	15.04	15.04	15.03	16.70
	64QAM	1	0	15.49	15.33	15.38	16.70
		1	38	15.32	15.32	15.26	16.70
		1	74	15.20	15.25	15.25	16.70
		36	0	15.33	15.28	15.30	16.70
		36	18	15.26	15.27	15.29	16.70
		36	39	15.21	15.26	15.27	16.70
		75	0	15.26	15.30	15.33	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	15.07	14.80	14.79	16.70
		1	50	15.35	15.02	15.21	16.70
		1	99	15.69	15.19	15.19	16.70
		50	0	15.39	15.21	15.18	16.70
		50	25	15.09	15.10	15.11	16.70
		50	50	15.09	15.08	15.11	16.70
		100	0	15.16	15.14	15.14	16.70
	16QAM	1	0	14.83	14.83	14.75	16.70
		1	50	15.16	15.11	15.24	16.70
		1	99	15.23	15.25	15.14	16.70
		50	0	15.20	15.14	15.12	16.70
		50	25	15.02	15.03	15.05	16.70
		50	50	15.05	15.03	15.03	16.70
		100	0	15.07	15.10	15.09	16.70
	64QAM	1	0	15.07	15.11	15.02	16.70
		1	50	15.31	15.26	15.21	16.70
		1	99	15.34	15.32	15.39	16.70
		50	0	15.32	15.31	15.31	16.70
		50	25	15.24	15.22	15.30	16.70
		50	50	15.24	15.20	15.28	16.70
		100	0	15.29	15.32	15.36	16.70

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LTE Band 38 Receiver off (Body Scene)+WiFi on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 37775	Channel 38000	Channel 38225	Tune up
5MHz	QPSK	1	0	19.90	19.79	19.85	21.20
		1	13	19.84	19.77	19.82	21.20
		1	24	19.68	19.66	19.65	21.20
		12	0	19.89	19.92	19.90	21.20
		12	6	19.84	19.76	19.80	21.20
		12	13	19.82	19.84	19.83	21.20
		25	0	19.86	19.79	19.88	21.20
	16QAM	1	0	20.00	19.92	19.86	21.20
		1	13	19.94	19.93	19.79	21.20
		1	24	19.94	19.82	19.71	21.20
		12	0	19.82	19.82	19.85	21.20
		12	6	19.76	19.80	19.81	21.20
		12	13	19.78	19.73	19.80	21.20
		25	0	19.78	19.80	19.75	21.20
	64QAM	1	0	19.78	19.74	19.77	21.20
		1	13	19.73	19.70	19.74	21.20
		1	24	19.71	19.64	19.67	21.20
		12	0	19.72	19.82	19.77	21.20
		12	6	19.74	19.78	19.70	21.20
		12	13	19.79	19.68	19.71	21.20
		25	0	19.73	19.65	19.69	21.20
Bandwidth	Modulation	RB size	RB offset	Channel 37800	Channel 38000	Channel 38200	Tune up
10MHz	QPSK	1	0	19.93	19.89	19.89	21.20
		1	25	19.91	19.87	19.91	21.20
		1	49	19.73	19.72	19.72	21.20
		25	0	19.89	19.89	19.87	21.20
		25	13	19.84	19.78	19.87	21.20
		25	25	19.74	19.76	19.76	21.20
		50	0	19.87	19.77	19.88	21.20
	16QAM	1	0	19.93	20.02	20.03	21.20
		1	25	19.69	19.82	19.86	21.20
		1	49	19.73	19.84	19.82	21.20
		25	0	19.84	19.84	19.84	21.20
		25	13	19.80	19.82	19.82	21.20
		25	25	19.78	19.72	19.74	21.20
		50	0	19.78	19.78	19.79	21.20
	64QAM	1	0	19.79	19.72	19.82	21.20
		1	25	19.46	19.40	19.40	21.20
		1	49	19.63	19.61	19.68	21.20
		25	0	19.79	19.80	19.80	21.20
		25	13	19.69	19.68	19.70	21.20
		25	25	19.62	19.62	19.66	21.20
		50	0	19.65	19.66	19.66	21.20

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Bandwidth	Modulation	RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up
15MHz	QPSK	1	0	19.99	19.94	19.94	21.20
		1	38	19.92	19.82	19.80	21.20
		1	74	19.70	19.73	19.75	21.20
		36	0	19.95	19.90	19.91	21.20
		36	18	19.91	19.82	19.77	21.20
		36	39	19.77	19.79	19.82	21.20
		75	0	19.89	19.83	19.81	21.20
	16QAM	1	0	20.06	19.94	19.99	21.20
		1	38	20.00	19.89	19.87	21.20
		1	74	19.81	19.72	19.85	21.20
		36	0	19.88	19.83	19.83	21.20
		36	18	19.81	19.78	19.70	21.20
		36	39	19.79	19.71	19.77	21.20
		75	0	19.82	19.82	19.74	21.20
	64QAM	1	0	19.75	19.78	19.79	21.20
		1	38	19.73	19.62	19.67	21.20
		1	74	19.49	19.56	19.61	21.20
		36	0	19.83	19.83	19.69	21.20
		36	18	19.70	19.72	19.68	21.20
		36	39	19.65	19.68	19.71	21.20
		75	0	19.68	19.71	19.69	21.20

Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	19.37	19.39	19.42	21.20
		1	50	19.87	19.82	19.74	21.20
		1	99	**19.90**	19.84	19.77	21.20
		50	0	**19.97**	19.95	19.93	21.20
		50	25	19.84	19.79	19.85	21.20
		50	50	19.87	19.80	19.84	21.20
		100	0	19.90	19.87	19.85	21.20
	16QAM	1	0	19.58	19.43	19.45	21.20
		1	50	19.94	19.70	19.75	21.20
		1	99	20.08	19.89	19.96	21.20
		50	0	19.88	19.87	19.87	21.20
		50	25	19.78	19.79	19.74	21.20
		50	50	19.78	19.78	19.78	21.20
		100	0	19.85	19.80	19.77	21.20
	64QAM	1	0	19.50	19.49	19.50	21.20
		1	50	19.73	19.65	19.71	21.20
		1	99	19.70	19.80	19.84	21.20
		50	0	19.86	19.80	19.81	21.20
		50	25	19.68	19.69	19.64	21.20
		50	50	19.70	19.67	19.70	21.20
		100	0	19.77	19.76	19.73	21.20

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LTE FDD Band 41 Receiver on+ head				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	18.44	18.61	18.81	18.96	18.82	20.20
		1	13	18.34	18.58	18.71	18.97	18.79	20.20
		1	24	18.26	18.45	18.64	18.89	18.70	20.20
		12	0	18.49	18.68	18.92	19.05	18.92	20.20
		12	6	18.39	18.52	18.83	18.96	18.82	20.20
		12	13	18.46	18.61	18.73	19.01	18.88	20.20
		25	0	18.43	18.58	18.82	18.99	18.86	20.20
	16QAM	1	0	18.43	18.58	18.84	19.03	18.85	20.20
		1	13	18.39	18.58	18.80	19.02	18.80	20.20
		1	24	18.29	18.52	18.62	18.94	18.74	20.20
		12	0	18.44	18.62	18.84	19.02	18.79	20.20
		12	6	18.38	18.54	18.81	18.98	18.72	20.20
		12	13	18.35	18.57	18.76	18.99	18.74	20.20
		25	0	18.39	18.52	18.79	18.95	18.79	20.20
	64QAM	1	0	18.41	18.59	18.67	18.88	18.83	20.20
		1	13	18.42	18.57	18.62	18.87	18.76	20.20
		1	24	18.38	18.53	18.58	18.78	18.67	20.20
		12	0	18.41	18.57	18.67	18.86	18.73	20.20
		12	6	18.38	18.55	18.62	18.80	18.61	20.20
		12	13	18.40	18.54	18.63	18.80	18.63	20.20
		25	0	18.38	18.52	18.60	18.81	18.72	20.20
Bandwidth	Modulation	RB size	RB offset	Channel 39700	Channel 40160	Channel 40620	Channel 41080	Channel 41540	Tune up
10MHz	QPSK	1	0	18.43	18.62	18.84	18.98	18.99	20.20
		1	25	18.49	18.62	18.80	19.06	18.95	20.20
		1	49	18.23	18.40	18.61	18.84	18.74	20.20
		25	0	18.47	18.63	18.90	19.01	18.97	20.20
		25	13	18.32	18.58	18.81	18.97	18.87	20.20
		25	25	18.33	18.60	18.79	18.95	18.83	20.20
		50	0	18.46	18.58	18.81	18.96	18.86	20.20
	16QAM	1	0	18.57	18.53	18.95	18.92	19.03	20.20
		1	25	18.25	18.43	18.71	18.58	18.91	20.20
		1	49	18.35	18.37	18.75	18.77	18.82	20.20
		25	0	18.39	18.61	18.86	18.94	18.88	20.20
		25	13	18.27	18.56	18.83	18.91	18.78	20.20
		25	25	18.27	18.55	18.66	18.92	18.76	20.20
		50	0	18.25	18.52	18.80	18.88	18.77	20.20
	64QAM	1	0	18.41	18.58	18.63	18.79	18.85	20.20
		1	25	18.26	18.40	18.48	18.66	18.68	20.20
		1	49	18.23	18.35	18.46	18.74	18.55	20.20
		25	0	18.43	18.60	18.64	18.83	18.74	20.20
		25	13	18.40	18.56	18.64	18.83	18.61	20.20
		25	25	18.34	18.53	18.59	18.76	18.60	20.20
		50	0	18.40	18.56	18.62	18.81	18.64	20.20

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Bandwidth	Modulation	RB size	RB offset	Channel 39725	Channel 40173	Channel 40620	Channel 41068	Channel 41515	Tune up
15MHz	QPSK	1	0	18.50	18.65	18.88	19.05	19.08	20.20
		1	38	18.45	18.66	18.78	19.02	18.94	20.20
		1	74	18.30	18.45	18.72	18.91	18.76	20.20
		36	0	18.52	18.67	18.93	19.05	18.97	20.20
		36	18	18.43	18.64	18.84	19.00	18.93	20.20
		36	39	18.34	18.60	18.85	19.01	18.86	20.20
		75	0	18.31	18.62	18.86	18.97	18.92	20.20
	16QAM	1	0	18.56	18.68	19.05	18.98	19.07	20.20
		1	38	18.50	18.65	19.03	18.98	18.98	20.20
		1	74	18.35	18.54	18.88	18.84	18.78	20.20
		36	0	18.43	18.62	18.85	19.00	18.90	20.20
		36	18	18.27	18.57	18.79	18.94	18.85	20.20
		36	39	18.28	18.54	18.65	18.92	18.75	20.20
		75	0	18.27	18.56	18.78	18.92	18.82	20.20
	64QAM	1	0	18.47	18.69	18.70	18.85	18.98	20.20
		1	38	18.47	18.65	18.71	18.87	18.77	20.20
		1	74	18.35	18.55	18.55	18.76	18.63	20.20
		36	0	18.48	18.63	18.72	18.87	18.74	20.20
		36	18	18.45	18.60	18.67	18.87	18.68	20.20
		36	39	18.39	18.57	18.61	18.81	18.64	20.20
		75	0	18.43	18.59	18.63	18.82	18.65	20.20
Bandwidth	Modulation	RB size	RB offset	Channel 39750	Channel 40185	Channel 40620	Channel 41055	Channel 41490	Tune up
20MHz	QPSK	1	0	17.87	18.03	18.24	18.42	18.55	20.20
		1	50	18.48	18.67	18.83	**18.99**	18.91	20.20
		1	99	18.41	18.54	18.78	18.94	18.77	20.20
		50	0	18.53	18.67	18.94	**19.08**	19.02	20.20
		50	25	18.37	18.59	18.81	18.99	18.92	20.20
		50	50	18.40	18.66	18.84	19.01	18.87	20.20
		100	0	18.46	18.65	18.89	19.00	18.91	20.20
	16QAM	1	0	18.03	18.17	18.47	18.60	18.63	20.20
		1	50	18.34	18.50	18.91	18.92	18.92	20.20
		1	99	18.50	18.69	18.95	19.09	18.92	20.20
		50	0	18.44	18.64	18.88	19.01	18.91	20.20
		50	25	18.25	18.55	18.80	18.89	18.80	20.20
		50	50	18.35	18.53	18.64	18.93	18.75	20.20
		100	0	18.36	18.59	18.80	18.93	18.80	20.20
	64QAM	1	0	18.06	18.28	18.26	18.46	18.57	20.20
		1	50	18.41	18.59	18.69	18.88	18.74	20.20
		1	99	18.53	18.62	18.57	18.84	18.75	20.20
		50	0	18.46	18.68	18.70	18.89	18.80	20.20
		50	25	18.43	18.58	18.63	18.83	18.64	20.20
		50	50	18.43	18.53	18.60	18.81	18.64	20.20
		100	0	18.43	18.59	18.63	18.81	18.67	20.20

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LTE FDD Band 41 Receiver off (Body Scene)				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	21.99	22.21	22.43	22.57	22.41	23.70
		1	13	21.94	22.18	22.40	22.58	22.35	23.70
		1	24	21.94	22.06	22.16	22.48	22.28	23.70
		12	0	22.03	22.20	22.30	22.57	22.43	23.70
		12	6	21.99	22.16	22.23	22.48	22.32	23.70
		12	13	21.98	22.16	22.25	22.57	22.41	23.70
		25	0	21.94	22.12	22.24	22.53	22.39	23.70
	16QAM	1	0	22.12	22.15	22.40	22.55	22.37	23.70
		1	13	22.07	22.14	22.27	22.58	22.33	23.70
		1	24	22.08	22.08	22.22	22.46	22.22	23.70
		12	0	21.29	21.57	21.81	22.01	21.87	23.20
		12	6	21.19	21.52	21.73	21.98	21.84	23.20
		12	13	21.23	21.44	21.68	21.95	21.84	23.20
		25	0	21.22	21.49	21.73	22.00	21.85	23.20
	64QAM	1	0	22.06	22.27	22.28	22.48	22.45	23.20
		1	13	22.03	22.22	22.24	22.45	22.37	23.20
		1	24	21.92	22.10	22.16	22.34	22.21	23.20
		12	0	22.03	22.25	22.24	22.45	22.42	22.20
		12	6	21.96	22.14	22.18	22.40	22.32	22.20
		12	13	21.94	22.16	22.19	22.38	22.37	22.20
		25	0	21.96	22.15	22.17	22.40	22.48	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 39700	Channel 40160	Channel 40620	Channel 41080	Channel 41540	Tune up
10MHz	QPSK	1	0	22.03	22.23	22.41	22.61	22.52	23.70
		1	25	22.13	22.22	22.44	22.61	22.47	23.70
		1	49	21.80	22.07	22.13	22.46	22.28	23.70
		25	0	21.99	22.19	22.37	22.53	22.48	23.70
		25	13	21.86	22.13	22.25	22.49	22.41	23.70
		25	25	21.84	22.10	22.21	22.52	22.36	23.70
		50	0	21.95	22.14	22.25	22.53	22.42	23.70
	16QAM	1	0	22.03	22.15	22.49	22.51	22.58	23.70
		1	25	21.81	22.01	22.09	22.28	22.43	23.70
		1	49	21.78	22.00	22.23	22.35	22.28	23.70
		25	0	21.33	21.59	21.85	21.99	21.99	23.20
		25	13	21.27	21.49	21.73	21.97	21.88	23.20
		25	25	21.27	21.42	21.66	21.94	21.84	23.20
		50	0	21.21	21.46	21.70	21.96	21.84	23.20
	64QAM	1	0	22.11	22.29	22.36	22.61	22.56	23.20
		1	25	21.96	22.20	22.08	22.37	22.44	23.20
		1	49	21.96	22.11	22.18	22.36	22.25	23.20
		25	0	22.00	22.20	22.22	22.44	22.47	22.20
		25	13	21.90	22.17	22.20	22.45	22.25	22.20
		25	25	21.88	22.09	22.14	22.35	22.26	22.20
		50	0	21.94	22.14	22.19	22.41	22.35	22.20

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	22.03	22.24	22.46	22.60	22.54	23.70
		1	38	22.02	22.21	22.42	22.57	22.46	23.70
		1	74	21.88	22.08	22.26	22.43	22.26	23.70
		36	0	22.02	22.23	22.45	22.57	22.53	23.70
		36	18	21.89	22.16	22.28	22.53	22.47	23.70
		36	39	21.82	22.14	22.25	22.53	22.37	23.70
		75	0	21.85	22.16	22.25	22.52	22.44	23.70
	16QAM	1	0	22.02	22.24	22.47	22.65	22.60	23.70
		1	38	22.04	22.23	22.33	22.62	22.51	23.70
		1	74	21.81	22.09	22.30	22.48	22.33	23.70
		36	0	21.40	21.62	21.86	22.03	22.00	23.20
		36	18	21.31	21.50	21.75	21.97	21.94	23.20
		36	39	21.26	21.43	21.71	21.96	21.84	23.20
		75	0	21.29	21.48	21.75	21.94	21.90	23.20
	64QAM	1	0	22.09	22.36	22.33	22.50	22.55	23.20
		1	38	22.06	22.25	22.34	22.52	22.42	23.20
		1	74	21.97	22.12	22.13	22.29	22.27	23.20
		36	0	22.06	22.24	22.28	22.45	22.42	22.20
		36	18	21.93	22.19	22.22	22.43	22.38	22.20
		36	39	21.91	22.15	22.19	22.38	22.25	22.20
		75	0	21.94	22.17	22.18	22.39	22.33	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	21.40	21.70	21.89	22.12	22.13	23.70
		1	50	21.82	22.00	22.09	22.42	22.29	23.70
		1	99	21.97	22.19	22.39	**22.55**	22.38	23.70
		50	0	22.02	22.23	22.47	**22.58**	22.56	23.70
		50	25	21.85	22.14	22.25	22.50	22.44	23.70
		50	50	21.84	22.13	22.18	22.51	22.40	23.70
		100	0	21.95	22.18	22.25	22.54	22.46	23.70
	16QAM	1	0	21.47	21.64	21.83	22.20	22.15	23.70
		1	50	21.75	22.15	22.29	22.55	22.43	23.70
		1	99	22.00	22.24	22.31	22.68	22.43	23.70
		50	0	21.31	21.61	21.88	22.02	22.02	23.20
		50	25	21.23	21.45	21.71	21.91	21.88	23.20
		50	50	21.27	21.42	21.69	21.94	21.82	23.20
		100	0	21.36	21.57	21.79	21.95	21.92	23.20
	64QAM	1	0	21.68	21.91	21.88	22.06	22.17	23.20
		1	50	22.06	22.25	22.29	22.49	22.39	23.20
		1	99	22.02	22.14	22.18	22.36	22.40	23.20
		50	0	21.99	22.25	22.27	22.47	22.50	22.20
		50	25	21.92	22.12	22.18	22.39	22.25	22.20
		50	50	21.93	22.12	22.15	22.38	22.34	22.20
		100	0	21.94	22.27	22.19	22.40	22.43	22.20

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LTE FDD Band 41 Receiver on+ head+WiFi on				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	15.79	16.33	16.14	16.28	16.65	17.70
		1	13	15.76	16.18	16.06	16.27	16.61	17.70
		1	24	15.69	15.85	16.04	16.21	16.45	17.70
		12	0	15.86	16.19	16.18	16.29	16.44	17.70
		12	6	15.78	16.06	16.13	16.29	16.36	17.70
		12	13	15.78	15.95	16.12	16.27	16.37	17.70
		25	0	15.79	16.03	16.11	16.26	16.51	17.70
	16QAM	1	0	15.94	16.30	16.27	16.47	16.64	17.70
		1	13	15.89	16.21	16.21	16.46	16.53	17.70
		1	24	15.82	15.97	16.16	16.41	16.31	17.70
		12	0	15.76	16.07	16.10	16.28	16.22	17.70
		12	6	15.66	15.89	16.02	16.20	16.21	17.70
		12	13	15.71	15.83	16.04	16.26	16.16	17.70
		25	0	15.66	15.82	16.01	16.16	16.19	17.70
	64QAM	1	0	15.86	16.49	16.09	16.28	16.55	17.70
		1	13	15.88	16.40	16.09	16.26	16.42	17.70
		1	24	15.83	16.07	16.03	16.20	16.24	17.70
		12	0	15.91	16.34	16.14	16.33	16.44	17.70
		12	6	15.87	16.23	16.08	16.29	16.32	17.70
		12	13	15.88	16.12	16.09	16.27	16.27	17.70
		25	0	15.88	16.20	16.10	16.29	16.42	17.70
Bandwidth	Modulation	RB size	RB offset	Channel 39700	Channel 40160	Channel 40620	Channel 41080	Channel 41540	Tune up
10MHz	QPSK	1	0	15.90	16.50	16.31	16.43	16.51	17.70
		1	25	15.63	16.08	15.94	16.25	16.64	17.70
		1	49	15.61	15.80	15.98	16.16	16.29	17.70
		25	0	15.81	16.21	16.17	16.26	16.30	17.70
		25	13	15.74	16.03	16.10	16.24	16.19	17.70
		25	25	15.71	15.86	16.07	16.23	16.31	17.70
		50	0	15.74	16.03	16.11	16.25	16.39	17.70
	16QAM	1	0	16.09	16.46	16.19	16.24	16.49	17.70
		1	25	15.90	16.14	15.98	16.16	16.52	17.70
		1	49	15.85	15.91	16.02	16.15	16.14	17.70
		25	0	15.72	16.00	16.05	16.22	16.32	17.70
		25	13	15.65	15.82	15.97	16.17	16.08	17.70
		25	25	15.63	15.77	15.97	16.17	16.09	17.70
		50	0	15.67	15.82	16.04	16.20	16.13	17.70
	64QAM	1	0	15.88	16.48	16.16	16.24	16.64	17.70
		1	25	15.67	16.11	15.92	16.05	16.43	17.70
		1	49	15.79	15.94	15.99	16.12	16.05	17.70
		25	0	15.91	16.37	16.13	16.31	16.52	17.70
		25	13	15.90	16.23	16.12	16.29	16.28	17.70
		25	25	15.82	16.06	16.06	16.25	16.24	17.70
		50	0	15.87	16.21	16.12	16.27	16.38	17.70

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Bandwidth	Modulation	RB size	RB offset	Channel 39725	Channel 40173	Channel 40620	Channel 41068	Channel 41515	Tune up
15MHz	QPSK	1	0	15.98	16.58	16.41	16.40	16.48	17.70
		1	38	15.72	16.11	16.14	16.24	16.18	17.70
		1	74	15.61	15.82	15.97	16.13	16.44	17.70
		36	0	15.82	16.23	16.21	16.29	16.39	17.70
		36	18	15.74	16.04	16.13	16.28	16.49	17.70
		36	39	15.69	15.91	16.09	16.23	16.29	17.70
		75	0	15.75	16.05	16.10	16.22	16.48	17.70
	16QAM	1	0	15.96	16.47	16.19	16.29	16.52	17.70
		1	38	15.85	16.11	16.10	16.33	16.18	17.70
		1	74	15.69	15.96	15.96	16.21	16.22	17.70
		36	0	15.76	16.02	16.10	16.23	16.13	17.70
		36	18	15.65	15.84	16.06	16.18	16.18	17.70
		36	39	15.61	15.84	16.01	16.19	16.05	17.70
		75	0	15.65	15.83	16.03	16.17	16.15	17.70
	64QAM	1	0	15.97	16.62	16.34	16.31	16.56	17.70
		1	38	15.94	16.21	16.22	16.37	16.49	17.70
		1	74	15.89	16.03	16.08	16.23	16.26	17.70
		36	0	15.93	16.30	16.17	16.32	16.46	17.70
		36	18	15.92	16.27	16.16	16.36	16.40	17.70
		36	39	15.95	16.15	16.08	16.28	16.25	17.70
		75	0	15.89	16.27	16.13	16.26	16.37	17.70
Bandwidth	Modulation	RB size	RB offset	Channel 39750	Channel 40185	Channel 40620	Channel 41055	Channel 41490	Tune up
20MHz	QPSK	1	0	15.37	15.69	15.72	15.80	15.82	17.70
		1	50	15.63	16.07	15.99	16.18	16.41	17.70
		1	99	15.80	16.00	16.12	16.24	16.66	17.70
		50	0	15.80	16.31	16.30	16.28	16.48	17.70
		50	25	15.70	16.01	16.11	16.22	16.16	17.70
		50	50	15.70	15.91	16.06	16.24	16.35	17.70
		100	0	15.81	16.13	16.12	16.22	16.57	17.70
	16QAM	1	0	15.44	15.69	15.86	15.87	15.89	17.70
		1	50	15.78	16.05	16.13	16.31	16.28	17.70
		1	99	15.83	16.02	16.22	16.67	16.38	17.70
		50	0	15.74	16.15	16.13	16.20	16.17	17.70
		50	25	15.63	15.83	16.04	16.17	16.06	17.70
		50	50	15.61	15.85	16.01	16.17	16.04	17.70
		100	0	15.69	15.98	16.05	16.18	16.26	17.70
	64QAM	1	0	15.67	16.15	15.93	15.95	16.05	17.70
		1	50	15.84	16.14	16.06	16.18	16.46	17.70
		1	99	15.93	16.07	16.08	16.25	16.39	17.70
		50	0	15.90	16.47	16.14	16.30	16.55	17.70
		50	25	15.91	16.26	16.10	16.29	16.30	17.70
		50	50	15.91	16.19	16.10	16.31	16.33	17.70
		100	0	15.87	16.38	16.12	16.29	16.47	17.70

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LTE FDD Band 41 Receiver off (Body Scene)+WiFi on				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	19.48	19.65	19.89	19.99	19.90	21.20
		1	13	19.44	19.63	19.85	20.00	19.86	21.20
		1	24	19.35	19.57	19.69	19.91	19.80	21.20
		12	0	19.52	19.71	19.93	20.08	19.93	21.20
		12	6	19.30	19.60	19.80	20.02	19.80	21.20
		12	13	19.43	19.65	19.78	20.05	19.90	21.20
		25	0	19.43	19.63	19.85	20.02	19.88	21.20
	16QAM	1	0	19.49	19.71	19.94	20.06	19.97	21.20
		1	13	19.47	19.68	19.92	20.05	19.88	21.20
		1	24	19.35	19.59	19.78	19.98	19.81	21.20
		12	0	19.46	19.60	19.83	19.95	19.80	21.20
		12	6	19.37	19.54	19.73	19.92	19.78	21.20
		12	13	19.38	19.58	19.63	19.95	19.77	21.20
		25	0	19.37	19.49	19.75	19.94	19.80	21.20
	64QAM	1	0	19.45	19.61	19.69	19.86	19.74	21.20
		1	13	19.44	19.63	19.66	19.90	19.67	21.20
		1	24	19.41	19.52	19.61	19.80	19.63	21.20
		12	0	19.42	19.63	19.72	19.83	19.79	21.20
		12	6	19.40	19.56	19.66	19.79	19.68	21.20
		12	13	19.42	19.57	19.64	19.78	19.65	21.20
		25	0	19.41	19.58	19.64	19.81	19.78	21.20
Bandwidth	Modulation	RB size	RB offset	Channel 39700	Channel 40160	Channel 40620	Channel 41080	Channel 41540	Tune up
10MHz	QPSK	1	0	19.49	19.66	19.88	20.05	20.08	21.20
		1	25	19.51	19.68	19.88	20.03	19.94	21.20
		1	49	19.25	19.48	19.62	19.95	19.77	21.20
		25	0	19.47	19.67	19.93	20.08	19.95	21.20
		25	13	19.32	19.64	19.84	20.01	19.87	21.20
		25	25	19.35	19.60	19.74	19.99	19.84	21.20
		50	0	19.34	19.63	19.86	20.00	19.89	21.20
	16QAM	1	0	19.45	19.76	20.09	20.03	20.17	21.20
		1	25	19.31	19.61	20.06	19.78	19.92	21.20
		1	49	19.23	19.63	19.84	19.88	19.83	21.20
		25	0	19.43	19.58	19.84	19.95	19.88	21.20
		25	13	19.3	19.53	19.76	19.92	19.80	21.20
		25	25	19.29	19.49	19.65	19.90	19.77	21.20
		50	0	19.26	19.53	19.75	19.89	19.77	21.20
	64QAM	1	0	19.46	19.60	19.67	19.83	19.83	21.20
		1	25	19.23	19.38	19.47	19.61	19.61	21.20
		1	49	19.35	19.44	19.48	19.68	19.55	21.20
		25	0	19.46	19.61	19.71	19.86	19.80	21.20
		25	13	19.42	19.59	19.67	19.84	19.63	21.20
		25	25	19.37	19.53	19.62	19.77	19.61	21.20
		50	0	19.41	19.58	19.66	19.80	19.71	21.20

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	19.54	19.69	19.93	20.07	20.09	21.20
		1	38	19.54	19.68	19.87	20.06	19.96	21.20
		1	74	19.34	19.57	19.80	19.92	19.78	21.20
		36	0	19.51	19.72	19.95	20.08	19.99	21.20
		36	18	19.34	19.66	19.90	20.04	19.93	21.20
		36	39	19.35	19.63	19.70	20.02	19.88	21.20
		75	0	19.35	19.64	19.92	20.04	19.90	21.20
	16QAM	1	0	19.53	19.82	19.93	20.08	19.94	21.20
		1	38	19.50	19.79	19.91	20.08	19.83	21.20
		1	74	19.39	19.68	19.76	19.95	19.65	21.20
		36	0	19.43	19.61	19.87	19.97	19.92	21.20
		36	18	19.27	19.56	19.78	19.93	19.84	21.20
		36	39	19.28	19.52	19.68	19.92	19.76	21.20
		75	0	19.29	19.56	19.80	19.92	19.82	21.20
	64QAM	1	0	19.52	19.75	19.76	19.88	19.91	21.20
		1	38	19.50	19.64	19.76	19.93	19.75	21.20
		1	74	19.39	19.52	19.59	19.78	19.60	21.20
		36	0	19.52	19.65	19.77	19.85	19.80	21.20
		36	18	19.45	19.63	19.72	19.87	19.71	21.20
		36	39	19.43	19.59	19.66	19.82	19.66	21.20
		75	0	19.44	19.59	19.69	19.80	19.65	21.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	18.91	19.10	19.36	19.58	19.58	21.20
		1	50	19.45	19.70	19.90	**20.07**	20.00	21.20
		1	99	19.40	19.65	19.86	20.01	19.86	21.20
		50	0	19.56	19.72	19.98	**20.11**	20.02	21.20
		50	25	19.36	19.63	19.88	20.02	19.92	21.20
		50	50	19.44	19.63	19.71	20.01	19.87	21.20
		100	0	19.45	19.69	19.87	20.04	19.91	21.20
	16QAM	1	0	19.02	19.22	19.53	19.70	19.76	21.20
		1	50	19.17	19.50	19.71	20.04	20.02	21.20
		1	99	19.48	19.71	19.89	20.19	20.01	21.20
		50	0	19.46	19.64	19.90	20.00	19.94	21.20
		50	25	19.24	19.57	19.77	19.91	19.86	21.20
		50	50	19.32	19.50	19.70	19.92	19.77	21.20
		100	0	19.36	19.59	19.84	19.93	19.84	21.20
	64QAM	1	0	19.28	19.35	19.35	19.50	19.71	21.20
		1	50	19.46	19.57	19.64	19.80	19.71	21.20
		1	99	19.51	19.63	19.69	19.87	19.72	21.20
		50	0	19.48	19.70	19.76	19.87	19.88	21.20
		50	25	19.41	19.63	19.69	19.82	19.65	21.20
		50	50	19.45	19.60	19.66	19.80	19.79	21.20
		100	0	19.44	19.63	19.68	19.83	19.90	21.20

Table 16：Conducted Power Of LTE

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8.1.1 Conducted Power of Downlink and Uplink LTE CA

In this section, the following conducted power measurement results of downlink LTE carrier aggregation are provided to quantify downlink only carrier aggregation SAR test exclusion per KDB 941225 D05A. Uplink maximum output power is measured with downlink carrier aggregation active, using the channel with highest measured maximum output power when downlink carrier aggregation is inactive, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.

Power test equipment: Anritsu Radio Communication Analyzer MT8821C were used.

The possible downlink and uplink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.101 V15.0.0. The conducted power measurement results of downlink and uplink LTE CA are provided in Section 8 of this report per 3GPP TS 36.521-1 V14.4.0. According to KDB 941225 D05A, the downlink LTE CA SAR test is not required and PAG requirements can be excluded.

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Initial Conditions									
Test Environment as specified in TS 36.508[7] subclause 4.1		NC, TL/VL, TL/VH, TH/VL, TH/VH							
Test Frequencies as specified in TS 36.508 [7] subclause 4.3.1 for different CA bandwidth classes.		A: Mid range PCC-SCC: CC1-CC2							
Test CC Combination setting (N_{RB_agg}) as specified in subclause 5.4.2A.1-2 for the CA Configuration across bandwidth combination sets supported by the UE.		Lowest N_{RB_agg} Highest N_{RB_agg} (Note 2)							
Test Parameters for CA Configurations									
CA Configuration / N_{RB_agg}		**DL Allocation**	**CC MOD**	**UL Allocation**					
PCC N_{RB}	**SCCs N_{RB}**	**PCC & SCC RB allocation**		**N_{RB_alloc}**	**PCC & SCC RB allocations (L_{CRB} @ RB_{start})**				
6	25	N/A for this test	QPSK	13	P_5@0	S_8@0	-	-	
6	50		QPSK	17	P_5@0	S_12@0	-	-	
25	15		QPSK	12	P_8@0	S_5@0	-	-	
25	25		QPSK	16	P_8@0	S_8@0	-	-	
25	50		QPSK	20	P_8@0	S_12@0	-	-	
50	25		QPSK	20	P_12@0	S_8@0	-	-	
50	50		QPSK	24	P_12@0	S_12@0	-	-	
50	100		QPSK	30	P_12@0	S_18@0	-	-	
75	75		QPSK	32	P_16@0	S_16@0	-	-	
100	50		QPSK	30	P_18@0	S_12@0	-	-	
100	75		QPSK	34	P_18@0	S_16@0	-	-	
100	100		QPSK	36	P_18@0	S_18@0	-	-	
Note 1: CA Configuration Test CC Combination settings are checked separately for each CA Configuration, which applicable aggregated channel bandwidths are specified in Table 5.4.2A.1-2. Note 2: If in the CA Configuration UE supports multiple CC Combinations with the same N_{RB_agg} , only the first of those is tested, according to the order on the Test Configuration Table list.									

The conducted power measurement results of downlink & uplink LTE CA Conducted Power are as below, so the downlink only carrier aggregation conditions for this device can be excluded from SAR testing

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Conducted Power of Downlink LTE CA:

Antenna 1 Head Scene(receiver on)+SAR sensor off																		
DL LTE CA Class	PCC						SCC1				SCC2				Power			
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	Tune-up
CA_2C	Band 2	20M	QPSK	1900	19100	1	99	Band 2	20M	1960.2	902	/	/	/	/	23.54	23.59	25.00
CA_5B	Band 5	10M	QPSK	829	20450	1	49	Band 5	10M	883.9	2549	/	/	/	/	24.21	24.30	25.50
CA_7C	Band 7	20M	QPSK	2510	20850	1	0	Band 7	20M	2649.8	3048	/	/	/	/	23.21	23.23	24.70
CA_12B	Band 12	10M	QPSK	711	23130	1	49	Band 12	10M	733.8	5058	/	/	/	/	24.11	24.18	25.50
CA_38C	Band 38	20M	QPSK	2610	38150	1	99	Band 38	20M	2590.2	37952	/	/	/	/	23.69	23.89	25.20
CA_41C	Band 41	20M	QPSK	2593	40620	1	99	Band 41	20M	2612.8	40818	/	/	/	/	23.81	23.90	25.20
CA_41D	Band 41	20M	QPSK	2593	40620	1	99	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	23.85	23.90	25.20
CA_2A-5A	Band 2	20M	QPSK	1900	19100	1	99	Band 5	10M	881.5	2525	/	/	/	/	23.50	23.59	25.00
CA_2A-5A	Band 5	10M	QPSK	829	20450	1	49	Band 2	20M	1960	900	/	/	/	/	24.25	24.30	25.50
CA_2A-12B	Band 2	20M	QPSK	1900	19100	1	99	Band 12	10M	741	5130	Band 12	5M	733.8	5058	23.48	23.59	25.00
CA_2A-17A	Band 2	10M	QPSK	1855	18650	1	0	Band 17	10M	740	5790	/	/	/	/	23.30	23.33	25.00
CA_4A-5A	Band 4	20M	QPSK	1720	20050	1	99	Band 5	10M	881.5	2525	/	/	/	/	23.92	23.98	25.20
CA_4A-5A	Band 5	10M	QPSK	829	20450	1	49	Band 4	20M	2132.5	2175	/	/	/	/	24.21	24.30	25.50
CA_4A-12A	Band 4	20M	QPSK	1720	20050	1	99	Band 12	10M	737.5	5095	/	/	/	/	23.94	23.98	25.20
CA_4A-12B	Band 4	20M	QPSK	1720	20050	1	99	Band 12	10M	741	5130	Band 12	5M	733.8	5058	23.94	23.98	25.20
CA_4A-17A	Band 4	10M	QPSK	1750	20350	1	0	Band 17	10M	740	5790	/	/	/	/	23.80	23.90	25.20
CA_5A-7A	Band 5	10M	QPSK	829	20450	1	49	Band 7	20M	2655	3100	/	/	/	/	24.25	24.30	25.50
CA_5A-7A	Band 7	20M	QPSK	2510	20850	1	0	Band 5	10M	881.5	2525	/	/	/	/	23.20	23.23	24.70
CA_7A-12A	Band 7	20M	QPSK	2510	20850	1	0	Band 12	10M	737.5	5095	/	/	/	/	23.16	23.23	24.70
CA_7A-12A	Band 12	10M	QPSK	711	23130	1	49	Band 7	20M	2655	3100	/	/	/	/	24.09	24.18	25.50
Antenna 1 Body Scene(0mm SAR sensor on Level D1)																		
DL LTE CA Class	PCC						SCC1				SCC2				Power			
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	Tune-up
CA_2C	Band 2	20M	16QAM	1900	19100	1	99	Band 2	20M	1960.2	902	/	/	/	/	20.33	20.38	21.50
CA_7C	Band 7	20M	16QAM	2510	20850	1	99	Band 7	20M	2649.8	3048	/	/	/	/	20.61	20.69	21.70
CA_38C	Band 38	20M	QPSK	2580	37850	1	99	Band 38	20M	2599.8	38048	/	/	/	/	22.44	22.52	23.70
CA_41C	Band 41	20M	16QAM	2593	40620	1	99	Band 41	20M	2612.8	40818	/	/	/	/	22.32	22.37	23.70
CA_41D	Band 41	20M	16QAM	2593	40620	1	99	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	22.30	22.37	23.70
CA_2A-5A	Band 2	20M	16QAM	1900	19100	1	99	Band 5	10M	881.5	2525	/	/	/	/	20.27	20.38	21.50
CA_2A-12B	Band 2	20M	16QAM	1900	19100	1	99	Band 12	10M	741	5130	Band 12	5M	733.8	5058	20.30	20.38	21.50
CA_2A-17A	Band 2	10M	64QAM	1905	19150	1	49	Band 17	10M	740	5790	/	/	/	/	20.22	20.26	21.50
CA_4A-5A	Band 4	20M	16QAM	1720	20050	1	99	Band 5	10M	881.5	2525	/	/	/	/	19.72	19.76	20.70
CA_4A-12A	Band 4	20M	16QAM	1720	20050	1	99	Band 12	10M	737.5	5095	/	/	/	/	19.71	19.76	20.70
CA_4A-12B	Band 4	20M	16QAM	1720	20050	1	99	Band 12	10M	741	5130	Band 12	5M	733.8	5058	19.66	19.76	20.70
CA_4A-17A	Band 4	10M	16QAM	1715	20000	1	0	Band 17	10M	740	5790	/	/	/	/	19.60	19.74	20.70
CA_5A-7A	Band 7	20M	16QAM	2510	20850	1	0	Band 5	10M	881.5	2525	/	/	/	/	20.61	20.69	21.70
CA_7A-12A	Band 7	20M	16QAM	2510	20850	1	0	Band 12	10M	737.5	5095	/	/	/	/	20.61	20.69	21.70
Antenna 1 Body Scene(0mm SAR sensor on Level D2)																		
DL LTE CA Class	PCC						SCC1				SCC2				Power			
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	Tune-up
CA_7C	Band 7	20M	16QAM	2510	20850	1	0	Band 7	20M	2649.8	3048	/	/	/	/	22.06	22.09	23.20
CA_5A-7A	Band 7	20M	16QAM	2510	20850	1	0	Band 5	10M	881.5	2525	/	/	/	/	22.00	22.09	23.20
CA_7A-12A	Band 7	20M	16QAM	2510	20850	1	0	Band 12	10M	737.5	5095	/	/	/	/	22.02	22.09	23.20

Antenna 1 Wifi Hotspot on(10mm SAR sensor off)																		
DL LTE CA Class	PCC						SCC1				SCC2				Power			
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	Tune-up
CA_2C	Band 2	20M	16QAM	1860	18700	1	0	Band 2	20M	1959.8	898	/	/	/	/	17.66	17.79	19.00
CA_7C	Band 7	20M	16QAM	2510	20850	1	99	Band 7	20M	2649.8	3048	/	/	/	/	20.61	20.69	21.70
CA_38C	Band 38	20M	QPSK	2580	37850	1	99	Band 38	20M	2599.8	38048	/	/	/	/	22.44	22.52	23.70
CA_41C	Band 41	20M	16QAM	2593	40620	1	99	Band 41	20M	2612.8	40818	/	/	/	/	22.32	22.37	23.70
CA_41D	Band 41	20M	16QAM	2593	40620	1	99	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	22.30	22.37	23.70
CA_2A-5A	Band 2	20M	16QAM	1860	18700	1	0	Band 5	10M	881.5	2525	/	/	/	/	17.71	17.79	19.00
CA_2A-12B	Band 2	20M	16QAM	1860	18700	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	17.70	17.79	19.00
CA_2A-17A	Band 2	10M	64QAM	1855	18650	1	0	Band 17	10M	740	5790	/	/	/	/	17.64	17.71	19.00
CA_4A-5A	Band 4	20M	16QAM	1720	20050	1	99	Band 5	10M	881.5	2525	/	/	/	/	17.55	17.63	18.70
CA_4A-12A	Band 4	20M	16QAM	1720	20050	1	99	Band 12	10M	737.5	5095	/	/	/	/	17.52	17.63	18.70
CA_4A-12B	Band 4	20M	16QAM	1720	20050	1	99	Band 12	10M	741	5130	Band 12	5M	733.8	5058	17.52	17.63	18.70
CA_4A-17A	Band 4	10M	64QAM	1715	20000	1	49	Band 17	10M	740	5790	/	/	/	/	17.50	17.62	18.70
CA_5A-7A	Band 7	20M	16QAM	2510	20850	1	0	Band 5	10M	881.5	2525	/	/	/	/	20.58	20.69	21.70
CA_7A-12A	Band 7	20M	16QAM	2510	20850	1	0	Band 12	10M	737.5	5095	/	/	/	/	20.60	20.69	21.70
Antenna 1 SAR sensor on+Wifi Hotspot on																		
DL LTE CA Class	PCC						SCC1				SCC2				Power			
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	Tune-up
CA_2C	Band 2	20M	16QAM	1860	18700	1	99	Band 2	20M	1959.8	898	/	/	/	/	14.18	14.26	15.50
CA_7C	Band 7	20M	16QAM	2510	20850	1	0	Band 7	20M	2649.8	3048	/	/	/	/	17.60	17.65	18.70
CA_38C	Band 38	20M	16QAM	2580	37850	1	99	Band 38	20M	2599.8	38048	/	/	/	/	21.02	21.09	22.20
CA_41C	Band 41	20M	16QAM	2593	40620	1	99	Band 41	20M	2612.8	40818	/	/	/	/	21.01	21.04	22.20
CA_41D	Band 41	20M	16QAM	2593	40620	1	99	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	20.96	21.04	22.20
CA_2A-5A	Band 2	20M	16QAM	1860	18700	1	99	Band 5	10M	881.5	2525	/	/	/	/	14.18	14.26	15.50
CA_2A-12B	Band 2	20M	16QAM	1860	18700	1	99	Band 12	10M	741	5130	Band 12	5M	733.8	5058	14.20	14.26	15.50
CA_2A-17A	Band 2	10M	QPSK	1855	18650	25	0	Band 17	10M	740	5790	/	/	/	/	14.18	14.25	15.50
CA_4A-5A	Band 4	20M	16QAM	1720	20050	1	99	Band 5	10M	881.5	2525	/	/	/	/	13.03	13.10	14.20
CA_4A-12A	Band 4	20M	16QAM	1720	20050	1	99	Band 12	10M	737.5	5095	/	/	/	/	13.05	13.10	14.20
CA_4A-12B	Band 4	20M	16QAM	1720	20050	1	99	Band 12	10M	741	5130	Band 12	5M	733.8	5058	13.04	13.10	14.20
CA_4A-17A	Band 4	10M	64QAM	1750	20350	1	0	Band 17	10M	740	5790	/	/	/	/	13.37	13.48	14.20
CA_5A-7A	Band 7	20M	16QAM	2510	20850	1	99	Band 5	10M	881.5	2525	/	/	/	/	17.60	17.65	18.70
CA_7A-12A	Band 7	20M	16QAM	2510	20850	1	99	Band 12	10M	737.5	5095	/	/	/	/	17.54	17.65	18.70
Antenna 2 Receiver on																		
DL LTE CA Class	PCC						SCC1				SCC2				Power			
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	Tune-up
CA_2C	Band 2	20M	16QAM	1860	18700	1	0	Band 2	20M	1959.8	898	/	/	/	/	19.55	19.60	20.50
CA_5B	Band 5	10M	16QAM	829	20450	1	0	Band 5	10M	883.9	2549	/	/	/	/	19.44	19.47	19.50
CA_7C	Band 7	20M	16QAM	2560	21350	1	99	Band 7	20M	2660.2	3152	/	/	/	/	14.22	14.30	15.70
CA_12B	Band 12	10M	16QAM	711	23130	1	0	Band 12	10M	733.8	5058	/	/	/	/	20.51	20.54	21.50
CA_38C	Band 38	20M	QPSK	2610	38150	1	50	Band 38	20M	2590.2	37952	/	/	/	/	17.88	17.95	19.20
CA_41C	Band 41	20M	16QAM	2636.5	41055	1	99	Band 41	20M	2656.3	41253	/	/	/	/	19.01	19.09	20.20
CA_41D	Band 41	20M	16QAM	2636.5	41055	1	99	Band 41	20M	2656.3	41253	Band 41	20M	2676.1	41451	19.05	19.09	20.20
CA_2A-5A	Band 2	20M	16QAM	1860	18700	1	0	Band 5	10M	881.5	2525	/	/	/	/	19.51	19.60	20.50
CA_2A-5A	Band 5	10M	16QAM	829	20450	1	0	Band 2	20M	1960	900	/	/	/	/	19.40	19.47	19.50
CA_2A-12B	Band 2	20M	16QAM	1860	18700	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	19.50	19.60	20.50
CA_2A-17A	Band 2	10M	16QAM	1855	18650	1	0	Band 17	10M	740	5790	/	/	/	/	19.41	19.51	20.50
CA_4A-5A	Band 4	20M	QPSK	1720	20050	1	99	Band 5	10M	881.5	2525	/	/	/	/	21.92	21.98	22.70
CA_4A-5A	Band 5	10M	16QAM	829	20450	1	0	Band 4	20M	2132.5	2175	/	/	/	/	19.40	19.47	19.50
CA_4A-12A	Band 4	20M	QPSK	1720	20050	1	99	Band 12	10M	737.5	5095	/	/	/	/	21.90	21.98	22.70
CA_4A-12B	Band 4	20M	QPSK	1720	20050	1	99	Band 12	10M	741	5130	Band 12	5M	733.8	5058	21.92	21.98	22.70
CA_4A-17A	Band 4	10M	16QAM	1715	20000	1	49	Band 17	10M	740	5790	/	/	/	/	21.81	21.94	22.70
CA_5A-7A	Band 5	10M	16QAM	829	20450	1	0	Band 7	20M	2655	3100	/	/	/	/	19.38	19.47	19.50
CA_5A-7A	Band 7	20M	16QAM	2560	21350	1	99	Band 5	10M	881.5	2525	/	/	/	/	14.21	14.30	15.70
CA_7A-12A	Band 7	20M	16QAM	2560	21350	1	99	Band 12	10M	737.5	5095	/	/	/	/	14.08	14.30	15.70
CA_7A-12A	Band 12	10M	16QAM	711	23130	1	0	Band 7	20M	2655	3100	/	/	/	/	20.48	20.54	21.50

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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Antenna 2 Receiver off																			
DL LTE CA Class	PCC							SCC1				SCC2				Power			
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	Tune-up
CA_2C	Band 2	20M	16QAM	1860	18700	1	0	Band 2	20M	1959.8	898	/	/	/	/	20.95	21.03	22.00
CA_5B	Band 5	10M	16QAM	829	20450	1	0	Band 5	10M	883.9	2549	/	/	/	/	21.38	21.45	21.50
CA_7C	Band 7	20M	16QAM	2560	21350	1	99	Band 7	20M	2680.2	3152	/	/	/	/	20.59	20.68	21.70
CA_38C	Band 38	20M	QPSK	2580	37850	1	99	Band 38	20M	2599.8	38048	/	/	/	/	22.38	22.44	23.70
CA_41C	Band 41	20M	16QAM	2636.5	41055	1	99	Band 41	20M	2656.3	41253	/	/	/	/	22.61	22.68	23.70
CA_41D	Band 41	20M	16QAM	2636.5	41055	1	99	Band 41	20M	2656.3	41253	Band 41	20M	2676.1	41451	22.59	22.68	23.70
CA_2A-5A	Band 2	20M	16QAM	1860	18700	1	0	Band 5	10M	881.5	2525	/	/	/	/	20.94	21.03	22.00
CA_2A-5A	Band 5	10M	16QAM	829	20450	1	0	Band 2	20M	1960	900	/	/	/	/	21.42	21.45	21.50
CA_2A-12B	Band 2	20M	16QAM	1860	18700	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	20.80	21.03	22.00
CA_2A-17A	Band 2	10M	16QAM	1855	18650	1	0	Band 17	10M	740	5790	/	/	/	/	20.75	20.94	22.00
CA_4A-5A	Band 4	20M	QPSK	1720	20050	1	0	Band 5	10M	881.5	2525	/	/	/	/	24.70	24.75	25.20
CA_4A-5A	Band 5	10M	16QAM	829	20450	1	0	Band 4	20M	2132.5	2175	/	/	/	/	21.36	21.45	21.50
CA_4A-12A	Band 4	20M	QPSK	1720	20050	1	0	Band 12	10M	737.5	5095	/	/	/	/	24.73	24.75	25.20
CA_4A-12B	Band 4	20M	QPSK	1720	20050	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	24.71	24.75	25.20
CA_4A-17A	Band 4	10M	QPSK	1715	20000	1	0	Band 17	10M	740	5790	/	/	/	/	24.62	24.72	25.20
CA_5A-7A	Band 5	10M	16QAM	829	20450	1	0	Band 7	20M	2655	3100	/	/	/	/	21.30	21.45	21.50
CA_5A-7A	Band 7	20M	16QAM	2560	21350	1	99	Band 5	10M	881.5	2525	/	/	/	/	20.62	20.68	21.70
CA_7A-12A	Band 7	20M	16QAM	2560	21350	1	99	Band 12	10M	737.5	5095	/	/	/	/	20.63	20.68	21.70
Antenna 2 Receiver on+WiFi on																			
DL LTE CA Class	PCC							SCC1				SCC2				Power			
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	Tune-up
CA_2C	Band 2	20M	16QAM	1860	18700	1	0	Band 2	20M	1959.8	898	/	/	/	/	17.02	17.06	18.00
CA_7C	Band 7	20M	16QAM	2510	20850	1	0	Band 7	20M	2649.8	3048	/	/	/	/	11.89	12.01	13.20
CA_38C	Band 38	20M	QPSK	2580	37850	1	99	Band 38	20M	2599.8	38048	/	/	/	/	15.62	15.69	16.70
CA_41C	Band 41	20M	16QAM	2636.5	41055	1	99	Band 41	20M	2656.3	41253	/	/	/	/	16.61	16.67	17.70
CA_41D	Band 41	20M	16QAM	2636.5	41055	1	99	Band 41	20M	2656.3	41253	Band 41	20M	2676.1	41451	16.59	16.67	17.70
CA_2A-5A	Band 2	20M	16QAM	1860	18700	1	0	Band 5	10M	881.5	2525	/	/	/	/	16.96	17.06	18.00
CA_2A-12B	Band 2	20M	16QAM	1860	18700	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	17.01	17.06	18.00
CA_2A-17A	Band 2	10M	16QAM	1855	18650	1	0	Band 17	10M	740	5790	/	/	/	/	16.84	16.91	18.00
CA_4A-5A	Band 4	20M	QPSK	1720	20050	1	99	Band 5	10M	881.5	2525	/	/	/	/	21.92	21.98	22.70
CA_4A-5A	Band 5	10M	16QAM	829	20450	1	0	Band 4	20M	2132.5	2175	/	/	/	/	19.38	19.47	19.50
CA_4A-12A	Band 4	20M	QPSK	1720	20050	1	99	Band 12	10M	737.5	5095	/	/	/	/	21.93	21.98	22.70
CA_4A-12B	Band 4	20M	QPSK	1720	20050	1	99	Band 12	10M	741	5130	Band 12	5M	733.8	5058	21.91	21.98	22.70
CA_4A-17A	Band 4	10M	16QAM	1715	20000	1	49	Band 17	10M	740	5790	/	/	/	/	21.81	21.94	22.70
CA_5A-7A	Band 5	10M	16QAM	829	20450	1	0	Band 7	20M	2655	3100	/	/	/	/	19.38	19.47	19.50
CA_5A-7A	Band 7	20M	16QAM	2560	21350	1	99	Band 5	10M	881.5	2525	/	/	/	/	11.96	12.01	13.20
CA_7A-12A	Band 7	20M	16QAM	2560	21350	1	99	Band 12	10M	737.5	5095	/	/	/	/	11.97	12.01	13.20
Antenna 2 Receiver off +WiFi on																			
DL LTE CA Class	PCC							SCC1				SCC2				Power			
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)	Tune-up
CA_2C	Band 2	20M	16QAM	1900	19100	1	0	Band 2	20M	1960.2	902	/	/	/	/	18.51	18.54	19.50
CA_7C	Band 7	20M	16QAM	2560	21350	1	99	Band 7	20M	2680.2	3152	/	/	/	/	18.41	18.48	19.20
CA_38C	Band 38	20M	16QAM	2580	37850	1	99	Band 38	20M	2599.8	38048	/	/	/	/	20.02	20.08	21.20
CA_41C	Band 41	20M	16QAM	2636.5	41055	1	99	Band 41	20M	2656.3	41253	/	/	/	/	20.11	20.19	21.20
CA_41D	Band 41	20M	16QAM	2636.5	41055	1	99	Band 41	20M	2656.3	41253	Band 41	20M	2676.1	41451	20.15	20.19	21.20
CA_2A-5A	Band 2	20M	16QAM	1860	18700	1	0	Band 5	10M	881.5	2525	/	/	/	/	18.47	18.54	19.50
CA_2A-12B	Band 2	20M	16QAM	1860	18700	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	18.47	18.54	19.50
CA_2A-17A	Band 2	10M	16QAM	1855	18650	1	0	Band 17	10M	740	5790	/	/	/	/	18.45	18.52	19.50
CA_4A-5A	Band 4	20M	QPSK	1720	20050	1	0	Band 5	10M	881.5	2525	/	/	/	/	24.70	24.75	25.20
CA_4A-12A	Band 4	20M	QPSK	1720	20050	1	0	Band 12	10M	737.5	5095	/	/	/	/	24.73	24.75	25.20
CA_4A-12B	Band 4	20M	QPSK	1720	20050	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	24.72	24.75	25.20
CA_4A-17A	Band 4	10M	QPSK	1715	20000	1	0	Band 17	10M	740	5790	/	/	/	/	24.63	24.72	25.20
CA_5A-7A	Band 7	20M	16QAM	2560	21350	1	99	Band 5	10M	881.5	2525	/	/	/	/	18.42	18.48	19.20
CA_7A-12A	Band 7	20M	16QAM	2560	21350	1	99	Band 12	10M	737.5	5095	/	/	/	/	18.44	18.48	19.20

Note: Testing is not required in bands or modes not intended/allowed for US operation.

According to KDB 941225 D05A, the downlink LTE CA SAR test is not required and PAG requirements can be excluded.

Conducted Power of Uplink LTE CA:

CA_5B Antenna 1:

CA Configuration / N_{RB_agg}					CC MOD	N_{RB_alloc}	PCC & SCC RB allocations (LCRB @ RBstart)		full power	
ID	PCC Channel	SCCs Channel	N_{RB}	N_{RB}					Power	tune-up(dBm)
LCH	20450	20549	50	50	QPSK	1	P_1@0	S_0@0	23.93	25.5
			50	50	QPSK	12	P_18@0	S_0@0	23.57	25.5
	20549	20450	50	50	QPSK	1	P_1@0	S_0@0	23.93	25.5
			50	50	QPSK	12	P_18@0	S_0@0	23.58	25.5
MCH	20476	20575	50	50	QPSK	1	P_1@0	S_0@0	23.99	25.5
			50	50	QPSK	12	P_18@0	S_0@0	23.59	25.5
	20575	20476	50	50	QPSK	1	P_1@0	S_0@0	23.98	25.5
			50	50	QPSK	12	P_18@0	S_0@0	23.59	25.5
HCH	20600	20501	50	50	QPSK	1	P_1@0	S_0@0	24.31	25.5
			50	50	QPSK	12	P_18@0	S_0@0	23.51	25.5
	20501	20600	50	50	QPSK	1	P_1@0	S_0@0	23.90	25.5
			50	50	QPSK	12	P_18@0	S_0@0	23.53	25.5

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CA_5B Antenna 2

CA Configuration / N_{RB_agg}					CC MOD	N_{RB_alloc}	PCC & SCC RB allocations (LCRB @ RBstart)		LTE Band 5 Receiver on+head		LTE Band 5 Receiver off (Body Scene)	
ID	PCC Channel	SCCs Channel	N_{RB}	N_{RB}					Power	tune-up(dBm)	Power	tune-up(dBm)
LCH	20450	20549	50	50	QPSK	1	P_1@0	S_0@0	19.41	19.5	21.41	21.5
			50	50	QPSK	12	P_18@0	S_0@0	19.21	19.5	21.21	21.5
	20549	20450	50	50	QPSK	1	P_1@0	S_0@0	19.15	19.5	21.17	21.5
			50	50	QPSK	12	P_18@0	S_0@0	19.00	19.5	21.01	21.5
MCH	20476	20575	50	50	QPSK	1	P_1@0	S_0@0	19.12	19.5	21.19	21.5
			50	50	QPSK	12	P_18@0	S_0@0	19.20	19.5	21.14	21.5
	20575	20476	50	50	QPSK	1	P_1@0	S_0@0	19.39	19.5	21.25	21.5
			50	50	QPSK	12	P_18@0	S_0@0	19.19	19.5	21.13	21.5
HCH	20600	20501	50	50	QPSK	1	P_1@0	S_0@0	19.23	19.5	21.23	21.5
			50	50	QPSK	12	P_18@0	S_0@0	19.09	19.5	21.03	21.5
	20501	20600	50	50	QPSK	1	P_1@0	S_0@0	19.39	19.5	21.32	21.5
			50	50	QPSK	12	P_18@0	S_0@0	19.27	19.5	21.16	21.5

CA_7C Antenna 1:

CA Configuration / N_{RB_agg}					CC MOD	N_{RB_alloc}	PCC & SCC RB allocations (LCRB @ RBstart)		Head Scene(receiver on)+SAR sensor off		Body Scene(0mm SAR sensor on Level D1)&Wifi		Body Scene(0mm SAR sensor on Level D2)		SAR sensor on+Wifi Hotspot on	
ID	PCC Channel	SCCs Channel	N_{RB}	N_{RB}					Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)
LCH	20850	21048	100	100	QPSK	1	P_1@0	S_0@0	23.46	24.7	20.65	21.7	21.82	23.2	17.53	18.7
			100	100	QPSK	18	P_18@0	S_0@0	23.42	24.7	20.59	21.7	21.96	23.2	17.63	18.7
	21048	20850	100	100	QPSK	1	P_1@0	S_0@0	22.96	24.7	20.13	21.7	21.61	23.2	17.17	18.7
			100	100	QPSK	18	P_18@0	S_0@0	22.87	24.7	20.18	21.7	21.35	23.2	17.12	18.7
MCH	21001	21199	100	100	QPSK	1	P_1@0	S_0@0	23.42	24.7	20.58	21.7	21.74	23.2	17.45	18.7
			100	100	QPSK	18	P_18@0	S_0@0	23.44	24.7	20.63	21.7	21.88	23.2	17.55	18.7
	21199	21001	100	100	QPSK	1	P_1@0	S_0@0	22.97	24.7	20.06	21.7	21.39	23.2	17.12	18.7
			100	100	QPSK	18	P_18@0	S_0@0	23.12	24.7	20.26	21.7	21.62	23.2	17.14	18.7
MCH	21100	21298	100	100	QPSK	1	P_1@0	S_0@0	23.45	24.7	20.65	21.7	21.71	23.2	17.56	18.7
			100	100	QPSK	18	P_18@0	S_0@0	23.39	24.7	20.56	21.7	21.96	23.2	17.65	18.7
	21298	21100	100	100	QPSK	1	P_1@0	S_0@0	22.90	24.7	20.17	21.7	21.51	23.2	17.11	18.7
			100	100	QPSK	18	P_18@0	S_0@0	22.89	24.7	20.22	21.7	21.47	23.2	17.22	18.7
HCH	21152	21350	100	100	QPSK	1	P_1@0	S_0@0	23.39	24.7	20.56	21.7	21.86	23.2	17.58	18.7
			100	100	QPSK	18	P_18@0	S_0@0	23.42	24.7	20.61	21.7	21.78	23.2	17.59	18.7
	21350	21152	100	100	QPSK	1	P_1@0	S_0@0	23.46	24.7	20.17	21.7	21.40	23.2	17.18	18.7
			100	100	QPSK	18	P_18@0	S_0@0	23.45	24.7	20.15	21.7	21.59	23.2	17.27	18.7

CA_7C Antenna 2:

CA Configuration / N_{RB_agg}					CC MOD	N_{RB_alloc}	PCC & SCC RB allocations (LCRB @ RBstart)		Receiver on+head		Receiver off (Body Scene)		Receiver off (Body Scene)+WiFi on		SAR Receiver on+Wifi on	
ID	PCC Channel	SCCs Channel	N_{RB}	N_{RB}					Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)
LCH	20850	21048	100	100	QPSK	1	P_1@0	S_0@0	14.10	15.7	19.96	21.7	17.80	19.2	11.97	13.2
			100	100	QPSK	18	P_18@0	S_0@0	14.11	15.7	20.31	21.7	17.79	19.2	12.03	13.2
	21048	20850	100	100	QPSK	1	P_1@0	S_0@0	13.81	15.7	19.94	21.7	17.47	19.2	11.49	13.2
			100	100	QPSK	18	P_18@0	S_0@0	13.98	15.7	19.92	21.7	17.48	19.2	11.45	13.2
MCH	21001	21199	100	100	QPSK	1	P_1@0	S_0@0	14.09	15.7	20.25	21.7	17.77	19.2	11.74	13.2
			100	100	QPSK	18	P_18@0	S_0@0	14.07	15.7	20.33	21.7	17.71	19.2	11.85	13.2
	21199	21001	100	100	QPSK	1	P_1@0	S_0@0	14.09	15.7	20.12	21.7	17.81	19.2	11.45	13.2
			100	100	QPSK	18	P_18@0	S_0@0	13.99	15.7	20.02	21.7	17.60	19.2	11.62	13.2
MCH	21100	21298	100	100	QPSK	1	P_1@0	S_0@0	14.11	15.7	20.32	21.7	17.79	19.2	11.81	13.2
			100	100	QPSK	18	P_18@0	S_0@0	14.05	15.7	20.30	21.7	17.76	19.2	11.91	13.2
	21298	21100	100	100	QPSK	1	P_1@0	S_0@0	13.75	15.7	19.99	21.7	17.21	19.2	11.41	13.2
			100	100	QPSK	18	P_18@0	S_0@0	14.02	15.7	19.89	21.7	17.12	19.2	11.40	13.2
HCH	21152	21350	100	100	QPSK	1	P_1@0	S_0@0	14.07	15.7	20.35	21.7	17.78	19.2	12.01	13.2
			100	100	QPSK	18	P_18@0	S_0@0	14.08	15.7	20.36	21.7	17.81	19.2	12.08	13.2
	21350	21152	100	100	QPSK	1	P_1@0	S_0@0	14.12	15.7	20.38	21.7	17.82	19.2	11.25	13.2
			100	100	QPSK	18	P_18@0	S_0@0	13.96	15.7	20.21	21.7	17.74	19.2	11.27	13.2

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CA_38C Antenna 1:

CA Configuration / N_{RB_agg}					CC MOD	N_{RB_alloc}	PCC & SCC RB allocations (LCRB @ RBstart)		Head Scene(receiver on)+SAR sensor off		Wifi Hotspot on(10mm SAR sensor off)&Body		SAR sensor on+Wifi Hotspot on	
ID	PCC	SCCs	N_{RB}	N_{RB}					Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)
	Channel	Channel												
LCH	37850	38048	100	100	QPSK	1	P_1@0	S_0@0	23.44	25.2	22.03	23.7	20.56	22.2
			100	100	QPSK	18	P_18@0	S_0@0	23.96	25.2	22.21	23.7	21.03	22.2
	38048	37850	100	100	QPSK	1	P_1@0	S_0@0	23.47	25.2	22.01	23.7	20.82	22.2
			100	100	QPSK	18	P_18@0	S_0@0	23.52	25.2	22.22	23.7	20.76	22.2
MCH	37901	38099	100	100	QPSK	1	P_1@0	S_0@0	23.38	25.2	22.02	23.7	20.57	22.2
			100	100	QPSK	18	P_18@0	S_0@0	23.94	25.2	22.24	23.7	21.14	22.2
	38099	37901	100	100	QPSK	1	P_1@0	S_0@0	23.51	25.2	22.20	23.7	20.68	22.2
			100	100	QPSK	18	P_18@0	S_0@0	23.58	25.2	22.24	23.7	20.77	22.2
HCH	37952	38150	100	100	QPSK	1	P_1@0	S_0@0	23.40	25.2	22.05	23.7	20.58	22.2
			100	100	QPSK	18	P_18@0	S_0@0	23.84	25.2	22.22	23.7	21.15	22.2
	38150	37952	100	100	QPSK	1	P_1@0	S_0@0	23.31	25.2	21.99	23.7	20.63	22.2
			100	100	QPSK	18	P_18@0	S_0@0	23.59	25.2	22.25	23.7	20.77	22.2

CA_38C Antenna 2:

CA Configuration / N_{RB_agg}					CC MOD	N_{RB_alloc}	PCC & SCC RB allocations (LCRB @ RBstart)		Receiver on+ head		Receiver off (Body Scene)		Receiver on+head+WiFi on		Receiver off (Body Scene)+WiFi on	
ID	PCC	SCCs	N_{RB}	N_{RB}					Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)
	Channel	Channel														
LCH	37850	38048	100	100	QPSK	1	P_1@0	S_0@0	18.06	19.2	22.19	23.7	14.70	17.7	20.05	21.2
			100	100	QPSK	18	P_18@0	S_0@0	18.01	19.2	22.25	23.7	16.18	17.7	20.02	21.2
	38048	37850	100	100	QPSK	1	P_1@0	S_0@0	17.51	19.2	22.11	23.7	15.02	17.7	19.68	21.2
			100	100	QPSK	18	P_18@0	S_0@0	17.66	19.2	22.20	23.7	15.11	17.7	19.77	21.2
MCH	37901	38099	100	100	QPSK	1	P_1@0	S_0@0	17.96	19.2	22.21	23.7	15.52	17.7	19.84	21.2
			100	100	QPSK	18	P_18@0	S_0@0	18.03	19.2	22.30	23.7	16.12	17.7	19.85	21.2
	38099	37901	100	100	QPSK	1	P_1@0	S_0@0	17.61	19.2	22.21	23.7	15.03	17.7	19.65	21.2
			100	100	QPSK	18	P_18@0	S_0@0	17.49	19.2	22.04	23.7	15.31	17.7	19.78	21.2
HCH	37952	38150	100	100	QPSK	1	P_1@0	S_0@0	17.87	19.2	22.27	23.7	15.36	17.7	19.20	21.2
			100	100	QPSK	18	P_18@0	S_0@0	18.05	19.2	22.29	23.7	16.11	17.7	20.03	21.2
	38150	37952	100	100	QPSK	1	P_1@0	S_0@0	17.46	19.2	22.05	23.7	15.20	17.7	19.85	21.2
			100	100	QPSK	18	P_18@0	S_0@0	17.78	19.2	22.31	23.7	15.17	17.7	19.76	21.2

CA_41C Antenna 1:

CA Configuration / N_{RB_agg}					CC MOD	N_{RB_alloc}	PCC & SCC RB allocations (LCRB @ RBstart)		Head Scene(receiver on)+SAR sensor off		Wifi Hotspot on(10mm SAR sensor off)&Body Scene(0mm SAR sensor on)		SAR sensor on+Wifi Hotspot on	
ID	PCC	SCCs	N_{RB}	N_{RB}					Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)
	Channel	Channel												
LCH	39750	39948	100	100	QPSK	1	P_1@0	S_0@0	22.82	25.2	20.98	23.7	19.62	22.2
			100	100	QPSK	18	P_18@0	S_0@0	23.37	25.2	21.64	23.7	20.35	22.2
	39948	39750	100	100	QPSK	1	P_1@0	S_0@0	22.86	25.2	21.19	23.7	19.87	22.2
			100	100	QPSK	18	P_18@0	S_0@0	22.95	25.2	21.32	23.7	20.02	22.2
LCH	40185	40383	100	100	QPSK	1	P_1@0	S_0@0	22.85	25.2	20.99	23.7	19.61	22.2
			100	100	QPSK	18	P_18@0	S_0@0	23.31	25.2	21.42	23.7	20.29	22.2
	40383	40185	100	100	QPSK	1	P_1@0	S_0@0	22.95	25.2	21.29	23.7	19.94	22.2
			100	100	QPSK	18	P_18@0	S_0@0	22.99	25.2	21.42	23.7	20.00	22.2
MCH	40620	40818	100	100	QPSK	1	P_1@0	S_0@0	23.11	25.2	21.23	23.7	19.97	22.2
			100	100	QPSK	18	P_18@0	S_0@0	23.88	25.2	21.97	23.7	20.54	22.2
	40818	40620	100	100	QPSK	1	P_1@0	S_0@0	23.01	25.2	21.51	23.7	19.93	22.2
			100	100	QPSK	18	P_18@0	S_0@0	23.12	25.2	21.63	23.7	20.14	22.2
HCH	41055	41253	100	100	QPSK	1	P_1@0	S_0@0	22.88	25.2	21.26	23.7	21.71	22.2
			100	100	QPSK	18	P_18@0	S_0@0	23.48	25.2	21.29	23.7	20.45	22.2
	41253	41055	100	100	QPSK	1	P_1@0	S_0@0	23.00	25.2	21.39	23.7	19.87	22.2
			100	100	QPSK	18	P_18@0	S_0@0	23.04	25.2	21.58	23.7	19.95	22.2
HCH	41490	41292	100	100	QPSK	1	P_1@0	S_0@0	22.88	25.2	21.48	23.7	20.05	22.2
			100	100	QPSK	18	P_18@0	S_0@0	23.08	25.2	21.67	23.7	20.19	22.2
	41292	41490	100	100	QPSK	1	P_1@0	S_0@0	22.96	25.2	21.21	23.7	19.79	22.2
			100	100	QPSK	18	P_18@0	S_0@0	23.36	25.2	21.94	23.7	20.45	22.2

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CA_41C Antenna 2:

CA Configuration / N_{RB_agg}					CC MOD	N_{RB_alloc}	PCC & SCC RB allocations (LCRB @ RBstart)		Receiver on+ head		Receiver off (Body Scene)		Receiver on+ head+WiFi on		Receiver off (Body Scene)+WiFi on	
ID	PCC Channel	SCCs Channel	N_{RB}	N_{RB}					Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-	Power	tune-up(dBm)
LCH	39750	39948	100	100	QPSK	1	P_1@0	S_0@0	17.62	20.2	21.02	23.7	14.99	17.7	18.61	21.2
			100	100	QPSK	18	P_18@0	S_0@0	18.06	20.2	21.55	23.7	15.39	17.7	19.07	21.2
	39948	39750	100	100	QPSK	1	P_1@0	S_0@0	17.85	20.2	21.26	23.7	15.26	17.7	18.81	21.2
			100	100	QPSK	18	P_18@0	S_0@0	17.86	20.2	21.46	23.7	15.44	17.7	18.87	21.2
LCH	40185	40383	100	100	QPSK	1	P_1@0	S_0@0	17.59	20.2	21.04	23.7	15.04	17.7	18.59	21.2
			100	100	QPSK	18	P_18@0	S_0@0	18.22	20.2	21.74	23.7	15.64	17.7	19.22	21.2
	40383	40185	100	100	QPSK	1	P_1@0	S_0@0	17.86	20.2	21.39	23.7	15.28	17.7	18.91	21.2
			100	100	QPSK	18	P_18@0	S_0@0	17.95	20.2	21.48	23.7	15.41	17.7	18.92	21.2
MCH	40620	40818	100	100	QPSK	1	P_1@0	S_0@0	17.79	20.2	21.11	23.7	15.25	17.7	18.81	21.2
			100	100	QPSK	18	P_18@0	S_0@0	18.29	20.2	21.79	23.7	15.69	17.7	19.37	21.2
	40818	40620	100	100	QPSK	1	P_1@0	S_0@0	17.88	20.2	21.40	23.7	15.48	17.7	18.93	21.2
			100	100	QPSK	18	P_18@0	S_0@0	18.04	20.2	21.49	23.7	15.44	17.7	19.02	21.2
HCH	41055	41253	100	100	QPSK	1	P_1@0	S_0@0	17.99	20.2	21.31	23.7	15.33	17.7	18.80	21.2
			100	100	QPSK	18	P_18@0	S_0@0	18.75	20.2	21.99	23.7	15.91	17.7	19.43	21.2
	41253	41055	100	100	QPSK	1	P_1@0	S_0@0	18.04	20.2	21.51	23.7	15.49	17.7	19.04	21.2
			100	100	QPSK	18	P_18@0	S_0@0	18.13	20.2	21.57	23.7	15.59	17.7	19.15	21.2
HCH	41490	41292	100	100	QPSK	1	P_1@0	S_0@0	17.97	20.2	21.52	23.7	15.41	17.7	18.93	21.2
			100	100	QPSK	18	P_18@0	S_0@0	18.04	20.2	21.38	23.7	15.56	17.7	19.02	21.2
	41292	41490	100	100	QPSK	1	P_1@0	S_0@0	17.68	20.2	21.21	23.7	15.33	17.7	18.83	21.2
			100	100	QPSK	18	P_18@0	S_0@0	18.44	20.2	21.86	23.7	15.91	17.7	19.29	21.2

41C UL and 41D DL Antenna 1:

Power State	Configuration	PCC							SCC1						SCC2				Power		
		LTE Band	BW (MHz)	Modulation	UL/DL Freq. (MHz)	UL/DL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	UL/DL Freq. (MHz)	UL/DL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	UL/DL Freq. (MHz)	UL/DL Channel	LTE UL CA_41C with DL CA_41D Power	LTE UL CA_41C Power	turn-up (dBm)
Head Scene(receiver on)+SAR sensor off	41C UL and 41D DL	LTE B41	20M	QPSK	2593	40620	18	0	LTE B41	20M	2612.8	40818	0	0	LTE B41	20M	2632.6	41016	23.86	23.88	25.2
Wifi Hotspot on(10mm SAR sensor off)&Body Scene(0mm SAR sensor on)	41C UL and 41D DL	LTE B41	20M	QPSK	2593	40620	18	0	LTE B41	20M	2612.8	40818	0	0	LTE B41	20M	2632.6	41016	21.93	21.97	23.7
SAR sensor on+ Wifi Hotspot on	41C UL and 41D DL	LTE B41	20M	QPSK	2636.5	41055	1	0	LTE B41	20M	2656.3	41253	0	0	LTE B41	20M	2676.1	41451	21.66	21.71	22.2

41C UL and 41D DL Antenna 2:

Power State	Configuration	PCC							SCC1						SCC2				Power		
		LTE Band	BW (MHz)	Modulation	UL/DL Freq. (MHz)	UL/DL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	UL/DL Freq. (MHz)	UL/DL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	UL/DL Freq. (MHz)	UL/DL Channel	LTE UL CA_41C with DL CA_41D Power	LTE UL CA_41C Power	turn-up (dBm)
Receiver on+ head	41C UL and 41D DL	LTE B41	20M	QPSK	2636.5	41055	18	0	LTE B41	20M	2656.3	41253	0	0	LTE B41	20M	2676.1	41451	18.71	18.75	20.2
Receiver off (Body Scene)	41C UL and 41D DL	LTE B41	20M	QPSK	2636.5	41055	18	0	LTE B41	20M	2656.3	41253	0	0	LTE B41	20M	2676.1	41451	21.96	21.99	23.7
Receiver on+ head+WiFi on	41C UL and 41D DL	LTE B41	20M	QPSK	2636.5	41055	18	0	LTE B41	20M	2656.3	41253	0	0	LTE B41	20M	2676.1	41451	15.89	15.91	17.7
Receiver off (Body Scene)+WiFi on	41C UL and 41D DL	LTE B41	20M	QPSK	2636.5	41055	18	0	LTE B41	20M	2656.3	41253	0	0	LTE B41	20M	2676.1	41451	19.42	19.43	21.2

Note: Per FCC Guidance, additional SAR measurements for LTE ULCA for CA_41C uplink with CA_41D DLCA active wer not required since the maximum output power for this configuration was not more than 0.25dB higher than the maximum output power for CA_41C uplink with CA_41C DLCA inactive.

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8.1.2 Conducted Power of WIFI and BT

WIFI2.4GHz All scene SISO							
Mode	Antenna	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11b SISO	Ant1	1	2412	1	18.50	**17.09**	Yes
		6	2437		18.50	16.91	No
		11	2462		18.50	16.56	No
	Ant2	1	2412		18.50	16.65	No
		6	2437		18.50	**16.72**	Yes
		11	2462		18.50	16.66	No
802.11g SISO	Ant1	1	2412	6	13.00	11.64	No
		2	2417		18.00	15.93	No
		6	2437		18.00	16.26	No
		10	2457		18.00	15.94	No
		11	2462		13.00	11.40	No
	Ant2	1	2412		13.00	10.83	No
		2	2417		18.00	16.54	No
		6	2437		18.00	16.24	No
		10	2457		18.00	17.02	No
		11	2462		13.00	11.21	No
802.11n HT20 SISO	Ant1	1	2412	6.5	13.00	11.40	No
		2	2417		17.00	14.61	No
		6	2437		17.00	15.16	No
		10	2457		17.00	14.88	No
		11	2462		13.00	11.20	No
	Ant2	1	2412		13.00	10.55	No
		2	2417		17.00	15.33	No
		6	2437		17.00	15.11	No
		10	2457		17.00	15.84	No
		11	2462		13.00	11.03	No
802.11n HT40 SISO	Ant1	3	2422	MCS0	11.50	9.92	No
		4	2427		17.00	14.69	No
		6	2437		17.00	15.24	No
		8	2447		17.00	14.97	No
		9	2452		11.50	10.19	No
	Ant2	3	2422		11.50	10.26	No
		4	2427		17.00	15.81	No
		6	2437		17.00	15.31	No
		8	2447		17.00	15.76	No
		9	2452		11.50	10.33	No

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WIFI2.4GHz All scene CDD & MIMO							
Mode	Antenna	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11g CDD	Ant1	1	2412	6	13.00	11.61	No
		2	2417		18.00	15.68	No
		6	2437		18.00	16.33	No
		10	2457		18.00	15.96	No
		11	2462		13.00	11.36	No
802.11g CDD	Ant2	1	2412		13.00	10.77	No
		2	2417		18.00	16.59	No
		6	2437		18.00	16.35	No
		10	2457		18.00	16.99	No
		11	2462		13.00	11.51	No
802.11n HT20 MIMO	Sum	1	2412	MCS8	16.00	14.01	No
		2	2417		20.00	18.00	No
		6	2437		20.00	18.15	No
		10	2457		20.00	18.40	No
		11	2462		16.00	14.13	No
802.11n HT40 MIMO	Sum	3	2422	MCS8	14.50	13.10	No
		4	2427		20.00	18.30	No
		6	2437		20.00	18.29	No
		8	2447		20.00	18.39	No
		9	2452		14.50	13.27	No

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WIFI5GHz Ant1 receiver off(Body scene)							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	11.51	10.18	No
		40	5200		16.01	**15.43**	Yes
		44	5220		16.01	15.36	No
		48	5240		16.01	15.29	No
	U-NII-2A	52	5260		16.01	**15.51**	Yes
		56	5280		16.01	15.11	No
		60	5300		16.01	15.03	No
		64	5320		11.51	9.82	No
	U-NII-2C	100	5500		11.51	11.08	No
		104	5520		16.01	15.90	No
		108	5540		16.01	15.91	No
		112	5560		16.01	15.90	No
		116	5580		16.01	**15.92**	Yes
		120	5600		16.01	15.91	No
		124	5620		16.01	15.91	No
		128	5640		16.01	15.90	No
		132	5660		16.01	15.12	No
		136	5680		16.01	15.56	No
		140	5700		11.01	10.31	No
	U-NII-3	149	5745		11.51	10.14	No
		153	5765		11.51	10.35	No
		157	5785		11.51	10.42	No
		161	5805		11.51	10.41	No
		165	5825		11.51	**10.44**	Yes
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	11.50	9.81	No
		40	5200		16.00	14.21	No
		44	5220		16.00	14.38	No
		48	5240		16.00	13.89	No
	U-NII-2A	52	5260		16.00	14.03	No
		56	5280		16.00	14.01	No
		60	5300		16.00	13.98	No
		64	5320		11.50	9.78	No
	U-NII-2C	100	5500		11.50	11.01	No
		104	5520		16.00	15.16	No
		108	5540		16.00	14.82	No
		112	5560		16.00	14.92	No
		116	5580		16.00	15.39	No
		120	5600		16.00	15.15	No
		124	5620		16.00	15.59	No

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		128	5640		16.00	15.71	No
		132	5660		16.00	14.87	No
		136	5680		16.00	14.96	No
		140	5700		11.00	10.17	No
	U-NII-3	149	5745		11.50	9.32	No
		153	5765		11.50	9.56	No
		157	5785		11.50	9.63	No
		161	5805		11.50	9.73	No
		165	5825		11.50	9.59	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	9.50	7.03	No
		46	5230		16.00	15.24	No
	U-NII-2A	54	5270		16.00	15.05	No
		62	5310		9.50	7.25	No
	U-NII-2C	102	5510		9.50	7.82	No
		110	5550		16.00	15.65	No
		118	5590		16.00	15.78	No
		126	5630		16.00	15.98	No
		134	5670		9.50	7.71	No
	U-NII-3	151	5755		11.50	10.21	No
		159	5795		11.50	10.48	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	11.50	9.81	No
		40	5200		16.00	14.24	No
		44	5220		16.00	14.32	No
		48	5240		16.00	14.41	No
	U-NII-2A	52	5260		16.00	14.03	No
		56	5280		16.00	14.15	No
		60	5300		16.00	13.61	No
		64	5320		11.50	9.72	No
	U-NII-2C	100	5500		11.50	10.61	No
		104	5520		16.00	15.14	No
		108	5540		16.00	15.21	No
		112	5560		16.00	15.31	No
		116	5580		16.00	15.36	No
		120	5600		16.00	15.06	No
		124	5620		16.00	15.54	No
		128	5640		16.00	15.74	No
		132	5660		16.00	14.72	No
		136	5680		16.00	15.09	No
		140	5700		11.00	10.19	No
	U-NII-3	149	5745		11.50	9.36	No

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		153	5765		11.50	9.54	No
		157	5785		11.50	9.63	No
		161	5805		11.50	9.73	No
		165	5825		11.50	9.64	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	9.50	6.91	No
		46	5230		16.00	15.29	No
	U-NII-2A	54	5270		16.00	15.05	No
		62	5310		9.50	7.23	No
	U-NII-2C	102	5510		9.50	7.96	No
		110	5550		16.00	15.65	No
		118	5590		16.00	15.63	No
		126	5630		16.00	15.98	No
		134	5670		9.50	7.63	No
	U-NII-3	151	5755		11.50	11.41	No
		159	5795		11.50	11.47	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 80M	U-NII-1	42	5210	MCS0	9.50	6.81	No
	U-NII-2A	58	5290		9.50	6.92	No
	U-NII-2C	106	5530		9.50	7.85	No
		122	5610		9.50	8.42	No
	U-NII-3	155	5775		11.50	9.35	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 160M	U-NII-1 + U-NII-2A	50	5250	MCS0	9.00	6.07	No
	U-NII-2C	114	5570		9.00	7.17	No

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WIFI5GHz Ant2 receiver off(Body scene)							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	11.51	9.52	No
		40	5200		15.51	14.11	No
		44	5220		15.51	14.16	No
		48	5240		15.51	**14.21**	Yes
	U-NII-2A	52	5260		15.51	13.69	No
		56	5280		15.51	13.65	No
		60	5300		15.51	**13.95**	Yes
		64	5320		11.51	9.55	No
	U-NII-2C	100	5500		11.51	10.35	No
		104	5520		15.51	14.74	No
		108	5540		15.51	14.68	No
		112	5560		15.51	14.62	No
		116	5580		15.51	14.44	No
		120	5600		15.51	14.32	No
		124	5620		15.51	14.41	No
		128	5640		15.51	14.41	No
		132	5660		15.51	**14.91**	Yes
		136	5680		15.51	14.90	No
		140	5700		11.01	10.61	No
	U-NII-3	149	5745		11.01	9.31	No
		153	5765		11.01	9.32	No
		157	5785		11.01	**9.36**	Yes
		161	5805		11.01	9.34	No
		165	5825		11.01	9.28	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	11.50	9.67	No
		40	5200		15.50	14.06	No
		44	5220		15.50	14.13	No
		48	5240		15.50	14.16	No
	U-NII-2A	52	5260		15.50	13.64	No
		56	5280		15.50	13.54	No
		60	5300		15.50	13.64	No
		64	5320		11.50	9.50	No
	U-NII-2C	100	5500		11.50	10.34	No
		104	5520		15.50	14.64	No
		108	5540		15.50	14.57	No
		112	5560		15.50	14.63	No
		116	5580		15.50	14.32	No
		120	5600		15.50	14.38	No
		124	5620		15.50	14.28	No

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		128	5640		15.50	14.35	No
		132	5660		15.50	14.81	No
		136	5680		15.50	14.82	No
		140	5700		11.00	10.53	No
	U-NII-3	149	5745		11.00	9.25	No
		153	5765		11.00	9.24	No
		157	5785		11.00	9.26	No
		161	5805		11.00	9.15	No
		165	5825		11.00	9.23	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	9.50	7.42	No
		46	5230		15.50	14.92	No
	U-NII-2A	54	5270		15.50	14.51	No
		62	5310		9.50	7.17	No
	U-NII-2C	102	5510		9.50	7.93	No
		110	5550		15.50	14.23	No
		118	5590		15.50	14.03	No
		126	5630		15.50	14.01	No
		134	5670		9.50	8.14	No
	U-NII-3	151	5755		11.00	10.10	No
		159	5795		11.00	10.11	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	11.50	9.75	No
		40	5200		15.50	14.03	No
		44	5220		15.50	14.05	No
		48	5240		15.50	14.22	No
	U-NII-2A	52	5260		15.50	13.51	No
		56	5280		15.50	13.67	No
		60	5300		15.50	13.64	No
		64	5320		11.50	9.48	No
	U-NII-2C	100	5500		11.50	10.31	No
		104	5520		15.50	14.65	No
		108	5540		15.50	14.71	No
		112	5560		15.50	14.68	No
		116	5580		15.50	14.32	No
		120	5600		15.50	14.36	No
		124	5620		15.50	14.35	No
		128	5640		15.50	14.36	No
		132	5660		15.50	14.82	No
		136	5680		15.50	14.84	No
		140	5700		11.00	10.42	No
	U-NII-3	149	5745		11.00	9.23	No

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		153	5765		11.00	9.12	No
		157	5785		11.00	9.16	No
		161	5805		11.00	9.16	No
		165	5825		11.00	9.32	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	9.50	7.41	No
		46	5230		15.50	14.89	No
	U-NII-2A	54	5270		15.50	14.45	No
		62	5310		9.50	7.03	No
	U-NII-2C	102	5510		9.50	7.83	No
		110	5550		15.50	14.36	No
		118	5590		15.50	14.15	No
		126	5630		15.50	14.13	No
		134	5670		9.50	8.17	No
	U-NII-3	151	5755		11.00	10.09	No
		159	5795		11.00	10.14	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	9.50	7.25	No
	U-NII-2A	58	5290		9.50	6.86	No
	U-NII-2C	106	5530		9.50	7.67	No
		122	5610		9.50	7.36	No
	U-NII-3	155	5775		11.00	9.06	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 160M	U-NII-1 + U-NII-2A	50	5250	MCS0	8.50	5.54	No
	U-NII-2C	114	5570		8.50	5.94	No

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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	10.5	9.34	No
		40	5200		10.5	9.56	No
		44	5220		10.5	9.62	No
		48	5240		10.5	9.67	No
	U-NII-2A	52	5260		10.5	8.89	No
		56	5280		10.5	9.03	No
		60	5300		10.5	9.35	No
		64	5320		10.5	9.39	No
	U-NII-2C	100	5500		10.5	10.19	No
		104	5520		10.5	10.32	No
		108	5540		10.5	10.36	No
		112	5560		10.5	10.45	No
		116	5580		10.5	10.46	No
		120	5600		10.5	10.49	No
		124	5620		10.5	10.47	No
		128	5640		10.5	10.49	No
		132	5660		10.5	9.74	No
		136	5680		10.5	10.05	No
		140	5700		10.5	9.96	No
	U-NII-3	149	5745		10.51	8.77	No
		153	5765		10.51	9.06	No
		157	5785		10.51	9.15	No
		161	5805		10.51	**9.49**	Yes
		165	5825		10.51	9.13	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	10.5	8.73	No
		40	5200		10.5	8.86	No
		44	5220		10.5	8.96	No
		48	5240		10.5	8.98	No
	U-NII-2A	52	5260		10.5	8.67	No
		56	5280		10.5	8.81	No
		60	5300		10.5	8.78	No
		64	5320		10.5	8.83	No
	U-NII-2C	100	5500		10.5	9.73	No
		104	5520		10.5	9.89	No
		108	5540		10.5	10.11	No
		112	5560		10.5	10.39	No
		116	5580		10.5	10.34	No
		120	5600		10.5	10.48	No
		124	5620		10.5	10.49	No

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		128	5640		10.5	10.43	No
		132	5660		10.5	9.16	No
		136	5680		10.5	9.48	No
		140	5700		10.5	9.28	No
	U-NII-3	149	5745		10.5	8.23	No
		153	5765		10.5	8.54	No
		157	5785		10.5	8.62	No
		161	5805		10.5	8.65	No
		165	5825		10.5	8.63	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	6.79	No
		46	5230		10.5	8.94	No
	U-NII-2A	54	5270		10.5	**8.76**	Yes
		62	5310		9.5	7.55	No
	U-NII-2C	102	5510		9.5	8.38	No
		110	5550		10.5	10.42	No
		118	5590		10.5	10.36	No
		126	5630		10.5	**10.45**	No
		134	5670		9.5	7.54	No
	U-NII-3	151	5755		10.5	8.38	No
		159	5795		10.5	8.69	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	10.5	8.73	No
		40	5200		10.5	8.81	No
		44	5220		10.5	8.97	No
		48	5240		10.5	9.11	No
	U-NII-2A	52	5260		10.5	8.67	No
		56	5280		10.5	8.76	No
		60	5300		10.5	8.63	No
		64	5320		10.5	8.81	No
	U-NII-2C	100	5500		10.5	9.87	No
		104	5520		10.5	9.68	No
		108	5540		10.5	9.94	No
		112	5560		10.5	10.07	No
		116	5580		10.5	10.24	No
		120	5600		10.5	10.45	No
		124	5620		10.5	10.48	No
		128	5640		10.5	10.49	No
		132	5660		10.5	9.14	No
		136	5680		10.5	9.39	No
		140	5700		10.5	9.56	No
	U-NII-3	149	5745		10.5	8.31	No

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		153	5765		10.5	8.37	No
		157	5785		10.5	8.63	No
		161	5805		10.5	8.59	No
		165	5825		10.5	8.63	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	6.91	No
		46	5230		10.5	8.93	No
	U-NII-2A	54	5270		10.5	8.76	No
		62	5310		9.5	7.16	No
	U-NII-2C	102	5510		9.5	8.31	No
		110	5550		10.5	10.39	No
		118	5590		10.5	10.43	No
		126	5630		10.5	10.48	No
		134	5670		9.5	7.48	No
	U-NII-3	151	5755		10.5	8.32	No
		159	5795		10.5	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	9.5	6.65	No
	U-NII-2A	58	5290		9.5	6.78	No
	U-NII-2C	106	5530		9.5	8.32	No
		122	5610		9.5	8.29	No
	U-NII-3	155	5775		10.5	9.21	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 160M	U-NII-1 + U-NII-2A	50	5250	MCS0	9.00	5.83	No
	U-NII-2C	114	5570		9.00	7.03	No

Note: Conducted power measurement results of WiFi 5G Ant1(MCC of FCC countries, receiver on).

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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	10.5	7.98	No
		40	5200		10.5	8.81	No
		44	5220		10.5	8.91	No
		48	5240		10.5	8.90	No
	U-NII-2A	52	5260		10.5	8.41	No
		56	5280		10.5	8.41	No
		60	5300		10.5	8.45	No
		64	5320		10.5	8.36	No
	U-NII-2C	100	5500		10.5	9.24	No
		104	5520		10.5	9.32	No
		108	5540		10.5	9.23	No
		112	5560		10.5	9.26	No
		116	5580		10.5	8.91	No
		120	5600		10.5	8.96	No
		124	5620		10.5	9.01	No
		128	5640		10.5	8.93	No
		132	5660		10.5	9.81	No
		136	5680		10.5	9.91	No
		140	5700		10.5	9.88	No
	U-NII-3	149	5745		10.51	8.62	No
		153	5765		10.51	8.67	No
		157	5785		10.51	8.69	No
		161	5805		10.51	8.67	No
		165	5825		10.51	**8.72**	Yes
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	10.5	8.58	No
		40	5200		10.5	8.78	No
		44	5220		10.5	8.93	No
		48	5240		10.5	8.92	No
	U-NII-2A	52	5260		10.5	8.31	No
		56	5280		10.5	8.35	No
		60	5300		10.5	8.36	No
		64	5320		10.5	8.39	No
	U-NII-2C	100	5500		10.5	9.21	No
		104	5520		10.5	9.26	No
		108	5540		10.5	9.33	No
		112	5560		10.5	9.23	No
		116	5580		10.5	8.92	No
		120	5600		10.5	9.03	No

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		124	5620		10.5	9.01	No
		128	5640		10.5	8.93	No
		132	5660		10.5	9.91	No
		136	5680		10.5	9.98	No
		140	5700		10.5	9.85	No
	U-NII-3	149	5745		10.5	8.63	No
		153	5765		10.5	8.71	No
		157	5785		10.5	8.75	No
		161	5805		10.5	8.69	No
		165	5825		10.5	8.73	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	7.52	No
		46	5230		10.5	8.52	No
	U-NII-2A	54	5270		10.5	**8.59**	Yes
		62	5310		9.5	7.92	No
	U-NII-2C	102	5510		9.5	7.69	No
		110	5550		10.5	**9.19**	No
		118	5590		10.5	8.97	No
		126	5630		10.5	8.96	No
		134	5670		9.5	7.52	No
	U-NII-3	151	5755		10.5	8.59	No
		159	5795		10.5	8.62	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	10.5	7.96	No
		40	5200		10.5	8.13	No
		44	5220		10.5	8.21	No
		48	5240		10.5	8.42	No
	U-NII-2A	52	5260		10.5	8.32	No
		56	5280		10.5	8.38	No
		60	5300		10.5	8.21	No
		64	5320		10.5	8.37	No
	U-NII-2C	100	5500		10.5	9.01	No
		104	5520		10.5	9.38	No
		108	5540		10.5	9.37	No
		112	5560		10.5	9.38	No
		116	5580		10.5	9.01	No
		120	5600		10.5	9.05	No
		124	5620		10.5	9.07	No
		128	5640		10.5	9.05	No
		132	5660		10.5	9.48	No
		136	5680		10.5	9.51	No
		140	5700		10.5	9.73	No

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	U-NII-3	149	5745		10.5	8.62	No
		153	5765		10.5	8.71	No
		157	5785		10.5	8.51	No
		161	5805		10.5	8.54	No
		165	5825		10.5	8.75	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	6.23	No
		46	5230		10.5	8.58	No
	U-NII-2A	54	5270		10.5	8.55	No
		62	5310		9.5	7.01	No
	U-NII-2C	102	5510		9.5	7.93	No
		110	5550		10.5	9.42	No
		118	5590		10.5	9.07	No
		126	5630		10.5	9.04	No
		134	5670		9.5	7.32	No
	U-NII-3	151	5755		10.5	8.79	No
		159	5795		10.5	8.84	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	9.50	6.66	No
	U-NII-2A	58	5290		9.50	6.72	No
	U-NII-2C	106	5530		9.50	7.65	No
		122	5610		9.50	7.43	No
	U-NII-3	155	5775		10.50	8.36	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 160M	U-NII-1 + U-NII-2A	50	5250	MCS0	8.50	5.67	No
	U-NII-2C	114	5570		8.50	5.76	No

Note: Conducted power measurement results of WiFi 5G Ant2(MCC of FCC countries, receiver on).

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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	11.50	10.23	No
		40	5200		13.50	12.54	No
		44	5220		13.50	12.53	No
		48	5240		13.50	13.06	No
	U-NII-2A	52	5260		13.50	12.48	No
		56	5280		13.50	12.33	No
		60	5300		13.50	13.29	No
		64	5320		11.50	10.41	No
	U-NII-2C	100	5500		11.50	10.61	No
		104	5520		13.50	13.42	No
		108	5540		13.50	13.46	No
		112	5560		13.50	13.44	No
		116	5580		13.50	13.35	No
		120	5600		13.50	12.62	No
		124	5620		13.50	13.43	No
		128	5640		13.50	13.48	No
		132	5660		13.50	12.70	No
		136	5680		13.50	13.12	No
		140	5700		11.00	9.71	No
	U-NII-3	149	5745		11.50	10.12	No
		153	5765		11.50	11.55	No
		157	5785		11.50	10.46	No
		161	5805		11.50	11.65	No
		165	5825		11.50	10.41	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	11.50	9.71	No
		40	5200		13.50	12.45	No
		44	5220		13.50	12.57	No
		48	5240		13.50	12.30	No
	U-NII-2A	52	5260		13.50	11.78	No
		56	5280		13.50	11.96	No
		60	5300		13.50	11.96	No
		64	5320		11.50	9.78	No
	U-NII-2C	100	5500		11.50	10.69	No
		104	5520		13.50	13.15	No
		108	5540		13.50	13.26	No
		112	5560		13.50	13.45	No
		116	5580		13.50	13.41	No
		120	5600		13.50	12.78	No
		124	5620		13.50	13.45	No

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		128	5640		13.50	13.46	No
		132	5660		13.50	12.15	No
		136	5680		13.50	12.44	No
		140	5700		11.00	10.07	No
	U-NII-3	149	5745		11.50	10.38	No
		153	5765		11.50	10.70	No
		157	5785		11.50	10.64	No
		161	5805		11.50	10.75	No
		165	5825		11.50	10.55	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	9.50	6.91	No
		46	5230		13.50	12.38	No
	U-NII-2A	54	5270		13.50	11.74	No
		62	5310		9.50	7.09	No
	U-NII-2C	102	5510		9.50	8.24	No
		110	5550		13.50	13.40	No
		118	5590		13.50	13.08	No
		126	5630		13.50	13.46	No
		134	5670		9.50	7.53	No
	U-NII-3	151	5755		11.50	11.47	No
		159	5795		11.50	11.41	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	11.50	9.94	No
		40	5200		13.50	12.15	No
		44	5220		13.50	12.21	No
		48	5240		13.50	12.34	No
	U-NII-2A	52	5260		13.50	11.68	No
		56	5280		13.50	11.65	No
		60	5300		13.50	11.70	No
		64	5320		11.50	9.65	No
	U-NII-2C	100	5500		11.50	10.78	No
		104	5520		13.50	13.13	No
		108	5540		13.50	13.33	No
		112	5560		13.50	13.45	No
		116	5580		13.50	13.42	No
		120	5600		13.50	13.01	No
		124	5620		13.50	13.41	No
		128	5640		13.50	13.45	No
		132	5660		13.50	12.12	No
		136	5680		13.50	12.45	No
		140	5700		11.00	10.07	No
	U-NII-3	149	5745		11.50	10.55	No

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		153	5765		11.50	10.66	No
		157	5785		11.50	10.85	No
		161	5805		11.50	10.75	No
		165	5825		11.50	10.74	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	9.50	6.82	No
		46	5230		13.50	12.35	No
	U-NII-2A	54	5270		13.50	11.74	No
		62	5310		9.50	7.04	No
	U-NII-2C	102	5510		9.50	8.27	No
		110	5550		13.50	13.40	No
		118	5590		13.50	13.04	No
		126	5630		13.50	13.46	No
		134	5670		9.50	7.54	No
	U-NII-3	151	5755		11.50	11.21	No
		159	5795		11.50	11.38	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	9.50	6.65	No
	U-NII-2A	58	5290		9.50	6.78	No
	U-NII-2C	106	5530		9.50	8.14	No
		122	5610		9.50	8.82	No
	U-NII-3	155	5775		11.50	10.21	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 160M	U-NII-1 + U-NII-2A	50	5250	MCS0	9.00	6.21	No
	U-NII-2C	114	5570		9.00	7.56	No

Note: Conducted power measurement results of WiFi 5G Ant1(MCC of CE countries, receiver on).

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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	11.50	10.95	No
		40	5200		13.50	12.67	No
		44	5220		13.50	12.78	No
		48	5240		13.50	12.90	No
	U-NII-2A	52	5260		13.50	11.48	No
		56	5280		13.50	12.99	No
		60	5300		13.50	13.06	No
		64	5320		11.50	9.34	No
	U-NII-2C	100	5500		11.50	10.06	No
		104	5520		13.50	13.21	No
		108	5540		13.50	13.15	No
		112	5560		13.50	13.09	No
		116	5580		13.50	12.98	No
		120	5600		13.50	12.26	No
		124	5620		13.50	12.82	No
		128	5640		13.50	12.77	No
		132	5660		13.50	13.44	No
		136	5680		13.50	13.28	No
		140	5700		11.00	10.13	No
	U-NII-3	149	5745		11.00	9.02	No
		153	5765		11.00	10.56	No
		157	5785		11.00	9.09	No
		161	5805		11.00	10.66	No
		165	5825		11.00	9.16	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	10.85	11.50	No
		40	5200		12.66	13.50	No
		44	5220		12.70	13.50	No
		48	5240		12.85	13.50	No
	U-NII-2A	52	5260		11.36	13.50	No
		56	5280		12.88	13.50	No
		60	5300		12.95	13.50	No
		64	5320		9.31	11.50	No
	U-NII-2C	100	5500		9.93	11.50	No
		104	5520		13.06	13.50	No
		108	5540		13.08	13.50	No
		112	5560		13.02	13.50	No
		116	5580		12.91	13.50	No
		120	5600		12.25	13.50	No

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		124	5620		12.73	13.50	No
		128	5640		12.62	13.50	No
		132	5660		13.39	13.50	No
		136	5680		13.26	13.50	No
		140	5700		10.04	11.00	No
	U-NII-3	149	5745		8.95	11.00	No
		153	5765		10.50	11.00	No
		157	5785		9.02	11.00	No
		161	5805		10.58	11.00	No
		165	5825		9.09	11.00	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	9.50	8.73	No
		46	5230		13.50	12.33	No
	U-NII-2A	54	5270		13.50	11.48	No
		62	5310		9.50	7.01	No
	U-NII-2C	102	5510		9.50	7.54	No
		110	5550		13.50	12.75	No
		118	5590		13.50	12.25	No
		126	5630		13.50	12.36	No
		134	5670		9.50	7.73	No
	U-NII-3	151	5755		11.00	10.84	No
		159	5795		11.00	9.90	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	11.50	10.86	No
		40	5200		13.50	12.65	No
		44	5220		13.50	12.73	No
		48	5240		13.50	12.80	No
	U-NII-2A	52	5260		13.50	11.34	No
		56	5280		13.50	12.88	No
		60	5300		13.50	12.94	No
		64	5320		11.50	9.29	No
	U-NII-2C	100	5500		11.50	9.92	No
		104	5520		13.50	13.06	No
		108	5540		13.50	13.02	No
		112	5560		13.50	12.97	No
		116	5580		13.50	12.90	No
		120	5600		13.50	12.21	No
		124	5620		13.50	12.75	No
		128	5640		13.50	12.63	No
		132	5660		13.50	13.33	No
		136	5680		13.50	13.30	No
		140	5700		11.00	10.01	No

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	U-NII-3	149	5745		11.00	8.95	No
		153	5765		11.00	10.51	No
		157	5785		11.00	9.05	No
		161	5805		11.00	10.56	No
		165	5825		11.00	9.12	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	9.50	8.74	No
		46	5230		13.50	12.38	No
	U-NII-2A	54	5270		13.50	11.46	No
		62	5310		9.50	7.01	No
	U-NII-2C	102	5510		9.50	7.56	No
		110	5550		13.50	12.72	No
		118	5590		13.50	12.32	No
		126	5630		13.50	12.35	No
		134	5670		9.50	7.78	No
	U-NII-3	151	5755		11.00	9.82	No
		159	5795		11.00	9.93	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	9.50	7.08	No
	U-NII-2A	58	5290		9.50	6.67	No
	U-NII-2C	106	5530		9.50	7.26	No
		122	5610		9.50	7.29	No
	U-NII-3	155	5775		11.00	8.78	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 160M	U-NII-1 + U-NII-2A	50	5250	MCS0	8.50	6.22	No
	U-NII-2C	114	5570		8.50	6.51	No

Note: Conducted power measurement results of WiFi 5G Ant2(MCC of CE countries, receiver on).

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WIFI5GHz CDD & MIMO Full Power							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a CDD	U-NII-1	36	5180	6	14.50	12.87	No
		40	5200		18.80	17.83	No
		44	5220		18.80	17.81	No
		48	5240		18.80	17.79	No
	U-NII-2A	52	5260		18.80	17.70	No
		56	5280		18.80	17.45	No
		60	5300		18.80	17.53	No
		64	5320		14.50	12.70	No
	U-NII-2C	100	5500		14.50	13.74	No
		104	5520		18.80	18.37	No
		108	5540		18.80	18.35	No
		112	5560		18.80	18.32	No
		116	5580		18.80	18.25	No
		120	5600		18.80	18.20	No
		124	5620		18.80	18.23	No
		128	5640		18.80	18.23	No
		132	5660		18.80	18.03	No
		136	5680		18.80	18.25	No
		140	5700		14.00	13.47	No
	U-NII-3	149	5745		14.30	12.76	No
		153	5765		14.30	12.88	No
		157	5785		14.30	12.93	No
		161	5805		14.30	12.92	No
		165	5825		14.30	12.91	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20 MIMO	U-NII-1	36	5180	MCS8	14.50	12.75	No
		40	5200		18.80	17.15	No
		44	5220		18.80	17.27	No
		48	5240		18.80	17.04	No
	U-NII-2A	52	5260		18.80	16.85	No
		56	5280		18.80	16.79	No
		60	5300		18.80	16.82	No
		64	5320		14.50	12.65	No
	U-NII-2C	100	5500		14.50	13.70	No
		104	5520		18.80	17.92	No
		108	5540		18.80	17.71	No
		112	5560		18.80	17.79	No
		116	5580		18.80	17.90	No
		120	5600		18.80	17.79	No

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		124	5620		18.80	17.99	No
		128	5640		18.80	18.09	No
		132	5660		18.80	17.85	No
		136	5680		18.80	17.90	No
		140	5700		14.00	13.36	No
	U-NII-3	149	5745		14.30	12.30	No
		153	5765		14.30	12.41	No
		157	5785		14.30	12.46	No
		161	5805		14.30	12.46	No
		165	5825		14.30	12.42	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40 MIMO	U-NII-1	38	5190	MCS8	12.50	10.24	No
		46	5230		18.80	18.09	No
	U-NII-2A	54	5270		18.80	17.80	No
		62	5310		12.50	10.22	No
	U-NII-2C	102	5510		12.50	10.89	No
		110	5550		18.80	18.01	No
		118	5590		18.80	18.00	No
		126	5630		18.80	18.12	No
		134	5670		12.50	10.94	No
	U-NII-3	151	5755		14.80	13.17	No
		159	5795		14.80	13.31	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M MIMO	U-NII-1	36	5180	MCS8	14.50	12.79	No
		40	5200		18.80	17.15	No
		44	5220		18.80	17.20	No
		48	5240		18.80	17.33	No
	U-NII-2A	52	5260		18.80	16.79	No
		56	5280		18.80	16.93	No
		60	5300		18.80	16.64	No
		64	5320		14.50	12.61	No
	U-NII-2C	100	5500		14.50	13.47	No
		104	5520		18.80	17.91	No
		108	5540		18.80	17.98	No
		112	5560		18.80	18.02	No
		116	5580		18.80	17.88	No
		120	5600		18.80	17.73	No
		124	5620		18.80	18.00	No
		128	5640		18.80	18.11	No
		132	5660		18.80	17.78	No
		136	5680		18.80	17.98	No
		140	5700		14.00	13.32	No

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	U-NII-3	149	5745		14.30	12.31	No
		153	5765		14.30	12.35	No
		157	5785		14.30	12.41	No
		161	5805		14.30	12.46	No
		165	5825		14.30	12.49	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M MIMO	U-NII-1	38	5190	MCS8	12.50	10.18	No
		46	5230		18.80	18.10	No
	U-NII-2A	54	5270		18.80	17.77	No
		62	5310		12.50	10.14	No
	U-NII-2C	102	5510		12.50	10.91	No
		110	5550		18.80	18.06	No
		118	5590		18.80	17.96	No
		126	5630		18.80	18.16	No
		134	5670		12.50	10.92	No
	U-NII-3	151	5755		14.80	13.81	No
		159	5795		14.80	13.87	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 80M MIMO	U-NII-1	42	5210	MCS8	12.50	10.05	No
	U-NII-2A	58	5290		12.50	9.90	No
	U-NII-2C	106	5530		12.50	10.77	No
		122	5610		12.50	10.93	No
	U-NII-3	155	5775		14.30	12.22	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 160M MIMO	U-NII-1 + U-NII-2A	50	5250	MCS8	11.80	8.82	No
	U-NII-2C	114	5570		11.80	9.61	No

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WIFI5GHz CDD & MIMO receiver on(head scene)							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a CDD	U-NII-1	36	5180	6	13.50	11.72	No
		40	5200		13.50	12.21	No
		44	5220		13.50	12.29	No
		48	5240		13.50	12.31	No
	U-NII-2A	52	5260		13.50	11.67	No
		56	5280		13.50	11.74	No
		60	5300		13.50	11.93	No
		64	5320		13.50	11.92	No
	U-NII-2C	100	5500		13.50	12.75	No
		104	5520		13.50	12.86	No
		108	5540		13.50	12.84	No
		112	5560		13.50	12.91	No
		116	5580		13.50	12.76	No
		120	5600		13.50	12.80	No
		124	5620		13.50	12.81	No
		128	5640		13.50	12.79	No
		132	5660		13.50	12.79	No
		136	5680		13.50	12.99	No
		140	5700		13.50	12.93	No
	U-NII-3	149	5745		13.50	11.71	No
		153	5765		13.50	11.88	No
		157	5785		13.50	11.94	No
		161	5805		13.50	12.01	No
		165	5825		13.50	11.94	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20 MIMO	U-NII-1	36	5180	MCS8	13.50	11.67	No
		40	5200		13.50	11.83	No
		44	5220		13.50	11.96	No
		48	5240		13.50	11.96	No
	U-NII-2A	52	5260		13.50	11.50	No
		56	5280		13.50	11.60	No
		60	5300		13.50	11.59	No
		64	5320		13.50	11.63	No
	U-NII-2C	100	5500		13.50	12.49	No
		104	5520		13.50	12.60	No
		108	5540		13.50	12.75	No
		112	5560		13.50	12.86	No
		116	5580		13.50	12.70	No
		120	5600		13.50	12.83	No
		124	5620		13.50	12.82	No

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		128	5640		13.50	12.75	No
		132	5660		13.50	12.56	No
		136	5680		13.50	12.75	No
		140	5700		13.50	12.58	No
	U-NII-3	149	5745		13.50	11.44	No
		153	5765		13.50	11.64	No
		157	5785		13.50	11.70	No
		161	5805		13.50	11.68	No
		165	5825		13.50	11.69	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40 MIMO	U-NII-1	38	5190	MCS8	12.50	10.18	No
		46	5230		13.50	11.75	No
	U-NII-2A	54	5270		13.50	11.69	No
		62	5310		12.50	10.75	No
	U-NII-2C	102	5510		12.50	11.06	No
		110	5550		13.50	12.86	No
		118	5590		13.50	12.73	No
		126	5630		13.50	12.78	No
		134	5670		12.50	10.54	No
	U-NII-3	151	5755		13.50	11.50	No
		159	5795		13.50	11.67	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M MIMO	U-NII-1	36	5180	MCS8	13.50	11.37	No
		40	5200		13.50	11.49	No
		44	5220		13.50	11.62	No
		48	5240		13.50	11.79	No
	U-NII-2A	52	5260		13.50	11.51	No
		56	5280		13.50	11.58	No
		60	5300		13.50	11.44	No
		64	5320		13.50	11.61	No
	U-NII-2C	100	5500		13.50	12.47	No
		104	5520		13.50	12.54	No
		108	5540		13.50	12.67	No
		112	5560		13.50	12.75	No
		116	5580		13.50	12.68	No
		120	5600		13.50	12.82	No
		124	5620		13.50	12.84	No
		128	5640		13.50	12.84	No
		132	5660		13.50	12.32	No
		136	5680		13.50	12.46	No
		140	5700		13.50	12.66	No
	U-NII-3	149	5745		13.50	11.48	No

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		153	5765		13.50	11.55	No
		157	5785		13.50	11.58	No
		161	5805		13.50	11.58	No
		165	5825		13.50	11.70	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M MIMO	U-NII-1	38	5190	MCS8	12.50	9.59	No
		46	5230		13.50	11.77	No
	U-NII-2A	54	5270		13.50	11.67	No
		62	5310		12.50	10.10	No
	U-NII-2C	102	5510		12.50	11.13	No
		110	5550		13.50	12.94	No
		118	5590		13.50	12.81	No
		126	5630		13.50	12.83	No
		134	5670		12.50	10.41	No
	U-NII-3	151	5755		13.50	11.57	No
		159	5795		13.50	11.76	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	12.50	9.67	No
	U-NII-2A	58	5290		12.50	9.76	No
	U-NII-2C	106	5530		12.50	11.01	No
		122	5610		12.50	10.89	No
	U-NII-3	155	5775		13.50	11.82	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 160M MIMO	U-NII-1 + U-NII-2A	50	5250	MCS8	11.80	8.76	No
	U-NII-2C	114	5570		11.80	9.45	No

Note: Conducted power measurement results of WiFi 5G(MCC of FCC countries, receiver on).

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WIFI5GHz CDD & MIMO receiver on(head scene)							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a CDD	U-NII-1	36	5180	6	14.50	13.62	No
		40	5200		16.50	15.62	No
		44	5220		16.50	15.67	No
		48	5240		16.50	15.99	No
	U-NII-2A	52	5260		16.50	15.02	No
		56	5280		16.50	15.68	No
		60	5300		16.50	16.19	No
		64	5320		14.50	12.92	No
	U-NII-2C	100	5500		14.50	13.35	No
		104	5520		16.50	16.33	No
		108	5540		16.50	16.32	No
		112	5560		16.50	16.28	No
		116	5580		16.50	16.18	No
		120	5600		16.50	15.45	No
		124	5620		16.50	16.15	No
		128	5640		16.50	16.15	No
		132	5660		16.50	16.10	No
		136	5680		16.50	16.21	No
		140	5700		14.00	12.94	No
	U-NII-3	149	5745		14.30	12.62	No
		153	5765		14.30	14.09	No
		157	5785		14.30	12.84	No
		161	5805		14.30	14.19	No
		165	5825		14.30	12.84	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20 MIMO	U-NII-1	36	5180	MCS8	14.50	13.33	No
		40	5200		16.50	15.57	No
		44	5220		16.50	15.65	No
		48	5240		16.50	15.59	No
	U-NII-2A	52	5260		16.50	14.59	No
		56	5280		16.50	15.45	No
		60	5300		16.50	15.49	No
		64	5320		14.50	12.56	No
	U-NII-2C	100	5500		14.50	13.34	No
		104	5520		16.50	16.12	No
		108	5540		16.50	16.18	No
		112	5560		16.50	16.25	No
		116	5580		16.50	16.18	No

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		120	5600		16.50	15.53	No
		124	5620		16.50	16.12	No
		128	5640		16.50	16.07	No
		132	5660		16.50	15.82	No
		136	5680		16.50	15.88	No
		140	5700		14.00	13.07	No
	U-NII-3	149	5745		14.30	12.73	No
		153	5765		14.30	13.61	No
		157	5785		14.30	12.92	No
		161	5805		14.30	13.68	No
		165	5825		14.30	12.89	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40 MIMO	U-NII-1	38	5190	MCS8	12.50	10.92	No
		46	5230		16.50	15.37	No
	U-NII-2A	54	5270		16.50	14.62	No
		62	5310		12.50	10.06	No
	U-NII-2C	102	5510		12.50	10.91	No
		110	5550		16.50	16.10	No
		118	5590		16.50	15.70	No
		126	5630		16.50	15.96	No
		134	5670		12.50	10.64	No
	U-NII-3	151	5755		14.30	14.18	No
		159	5795		14.30	13.73	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M MIMO	U-NII-1	36	5180	MCS8	14.50	13.43	No
		40	5200		16.50	15.42	No
		44	5220		16.50	15.49	No
		48	5240		16.50	15.59	No
	U-NII-2A	52	5260		16.50	14.52	No
		56	5280		16.50	15.32	No
		60	5300		16.50	15.37	No
		64	5320		14.50	12.48	No
	U-NII-2C	100	5500		14.50	13.38	No
		104	5520		16.50	16.11	No
		108	5540		16.50	16.19	No
		112	5560		16.50	16.23	No
		116	5580		16.50	16.18	No
		120	5600		16.50	15.64	No
		124	5620		16.50	16.10	No
		128	5640		16.50	16.07	No
		132	5660		16.50	15.78	No
		136	5680		16.50	15.91	No

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		140	5700		14.00	13.05	No
	U-NII-3	149	5745		14.30	12.83	No
		153	5765		14.30	13.60	No
		157	5785		14.30	13.05	No
		161	5805		14.30	13.67	No
		165	5825		14.30	13.02	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M MIMO	U-NII-1	38	5190	MCS8	12.50	10.90	No
		46	5230		16.50	15.38	No
	U-NII-2A	54	5270		16.50	14.61	No
		62	5310		12.50	10.04	No
	U-NII-2C	102	5510		12.50	10.94	No
		110	5550		16.50	16.08	No
		118	5590		16.50	15.71	No
		126	5630		16.50	15.95	No
		134	5670		12.50	10.67	No
	U-NII-3	151	5755		14.30	13.58	No
		159	5795		14.30	13.73	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	12.50	9.88	No
	U-NII-2A	58	5290		12.50	9.74	No
	U-NII-2C	106	5530		12.50	10.73	No
		122	5610		12.50	11.13	No
	U-NII-3	155	5775		14.30	12.56	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 160M MIMO	U-NII-1 + U-NII-2A	50	5250	MCS8	11.80	9.23	No
	U-NII-2C	114	5570		11.80	10.08	No

Note: Conducted power measurement results of WiFi 5G(MCC of CE countries, receiver on).

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.

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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.

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BT			Tune up (dBm)	Average Conducted Power(dBm)	SAR Test
Modulation	Channel	Frequency(MHz)		GFSK	
GFSK	0	2402	11.0	8.25	No
	5	2407	11.0	8.84	No
	10	2412	11.0	9.22	No
GFSK	11	2413	11.4	9.21	No
	39	2441	11.4	**10.32**	Yes
	58	2460	11.4	9.53	No
GFSK	59	2461	11.4	9.78	No
	65	2467	11.4	9.83	No
	70	2472	11.4	9.35	No
GFSK	71	2473	10.5	9.09	No
	75	2477	10.5	8.68	No
	78	2480	10.5	8.07	No
π/4DQPSK	0	2402	8.5	6.32	No
	5	2407	8.5	7.10	No
	10	2412	8.5	7.13	No
π/4DQPSK	11	2413	9.5	6.84	No
	39	2441	9.5	8.73	No
	58	2460	9.5	7.84	No
π/4DQPSK	59	2461	9.5	8.60	No
	65	2467	9.5	8.72	No
	70	2472	9.5	7.37	No
π/4DQPSK	71	2473	8.5	7.09	No
	75	2477	8.5	5.84	No
	78	2480	8.5	5.61	No
8DPSK	0	2402	8.5	7.62	No
	5	2407	8.5	7.17	No
	10	2412	8.5	7.19	No
8DPSK	11	2413	9.5	6.90	No
	39	2441	9.5	8.74	No
	58	2460	9.5	7.84	No
8DPSK	59	2461	9.5	8.06	No
	65	2467	9.5	8.74	No
	70	2472	9.5	7.37	No
8DPSK	71	2473	8.5	7.09	No
	75	2477	8.5	5.85	No
	78	2480	8.5	5.62	No

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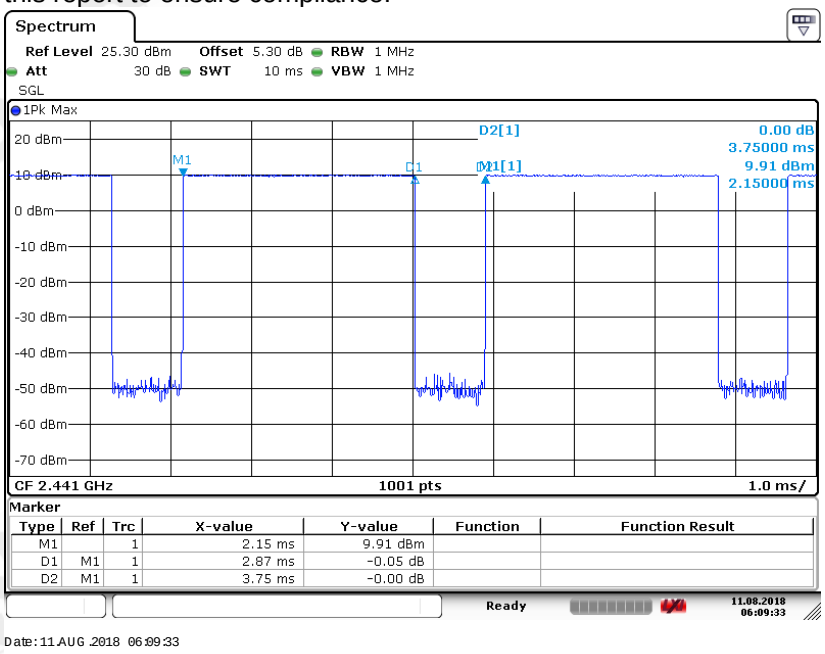
BLE			Tune up (dBm)	Average Conducted Power(dBm)	SAR Test
Modulation	Channel	Frequency(MHz)		GFSK	
GFSK	0	2402	10.0	6.52	No
	3	2408	10.0	6.83	No
	5	2412	10.0	7.03	No
GFSK	6	2414	10.5	7.30	No
	19	2440	10.5	7.21	No
	31	2464	10.5	6.60	No
GFSK	32	2466	10.5	6.93	No
	33	2468	10.5	6.94	No
	34	2470	10.5	6.67	No
GFSK	35	2472	10.0	6.01	No
	37	2476	10.0	6.05	No
	39	2480	10.0	6.23	No

Table 17：Conducted Power Of BT

Note: As different maximum tune-up output power is specified across the different channels range. So the additional conducted power measurement for the adjacent channel of each power level stage is also performed in this report to ensure compliance.



So the bluetooth duty cycle is calculated as below:
duty cycle=2.87/3.75=76.53%

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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				
Bluetooth	2.48	Head	11.4	13.8	0.0	4.3	3.0	N
		Body-worn	11.4	13.8	15.0	1.4	3.0	Y
		hotspot	11.4	13.8	10.0	2.2	3.0	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	0.169	0.03	32.92	34.00	1.282	0.217	22.1
Left tilted	GSM	190/836.6	1:8.3	0.114	0.02	32.92	34.00	1.282	0.146	22.1
Right cheek	GSM	190/836.6	1:8.3	0.225	0.11	32.92	34.00	1.282	**0.289**	22.1
Right tilted	GSM	190/836.6	1:8.3	0.116	-0.11	32.92	34.00	1.282	0.149	22.1
Head Test Data at the worst case with SIM2										
Right cheek	GSM	190/836.6	1:8.3	0.225	0.03	32.92	34.00	1.282	0.289	22.1
Head Test Data at the worst case with Battery 2#										
Right cheek	GSM	190/836.6	1:8.3	0.192	0.04	32.92	34.00	1.282	0.246	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	190/836.6	1:8.3	0.236	-0.02	32.92	34.00	1.282	0.303	22.1
Back side	GSM	190/836.6	1:8.3	0.287	-0.01	32.92	34.00	1.282	0.368	22.1
Front side	GPRS 2TS	190/836.6	1:4.15	0.255	-0.03	30.44	32.00	1.432	0.365	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.308	-0.02	30.44	32.00	1.432	**0.441**	22.1
Body worn Test data with SIM2(Separate 15mm)										
Back side	GPRS 2TS	190/836.6	1:4.15	0.305	0.03	30.44	32.00	1.432	0.437	22.1
Body worn Test data with Battery 2#(Separate 15mm)										
Back side	GPRS 2TS	190/836.6	1:4.15	0.257	-0.08	30.44	32.00	1.432	0.368	22.1
Hotspot Test data(Separate 10mm)										
Front side	GPRS 2TS	190/836.6	1:4.15	0.259	-0.06	30.44	32.00	1.432	0.371	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.435	0.00	30.44	32.00	1.432	**0.623**	22.1
Left side	GPRS 2TS	190/836.6	1:4.15	0.133	-0.05	30.44	32.00	1.432	0.190	22.1
Right side	GPRS 2TS	190/836.6	1:4.15	0.311	-0.08	30.44	32.00	1.432	0.445	22.1
Bottom side	GPRS 2TS	190/836.6	1:4.15	0.323	0.05	30.44	32.00	1.432	0.463	22.1
Hotspot Test Data at the worst case with SIM2(Separate 10mm)										
Back side	GPRS 2TS	190/836.6	1:4.15	0.432	0.00	30.44	32.00	1.432	0.619	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)										
Back side	GPRS 2TS	190/836.6	1:4.15	0.299	-0.08	30.44	32.00	1.432	0.428	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	0.239	-0.16	28.17	29.50	1.358	**0.325**	22.1
Left tilted	GSM	190/836.6	1:8.3	0.225	0.07	28.17	29.50	1.358	0.306	22.1
Right cheek	GSM	190/836.6	1:8.3	0.222	0.03	28.17	29.50	1.358	0.302	22.1
Right tilted	GSM	190/836.6	1:8.3	0.227	0.16	28.17	29.50	1.358	0.308	22.1
Head Test Data at the worst case with SIM2										
Left cheek	GSM	190/836.6	1:8.3	0.236	-0.08	28.17	29.50	1.358	0.321	22.1
Head Test Data at the worst case with Battery 2#										
Left cheek	GSM	190/836.6	1:8.3	0.211	-0.08	28.17	29.50	1.358	0.287	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	190/836.6	1:8.3	0.032	0.13	28.17	29.50	1.358	0.043	22.1
Back side	GSM	190/836.6	1:8.3	0.034	0.02	28.17	29.50	1.358	0.046	22.1
Front side	GPRS 2TS	190/836.6	1:4.15	0.046	-0.03	26.13	27.50	1.371	0.063	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.043	-0.14	26.13	27.50	1.371	0.059	22.1

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Body worn Test data with SIM2(Separate 15mm)										
Front side	GPRS 2TS	190/836.6	1:4.15	0.055	-0.05	26.13	27.50	1.371	**0.075**	22.1
Body worn Test data with Battery 2#(Separate 15mm)										
Front side	GPRS 2TS	190/836.6	1:4.15	0.046	0.08	26.13	27.50	1.371	0.063	22.1
Hotspot Test data (Separate 10mm)										
Front side	GPRS 2TS	190/836.6	1:4.15	0.115	-0.09	26.13	27.50	1.371	0.158	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.185	-0.18	26.13	27.50	1.371	**0.254**	22.1
Left side	GPRS 2TS	190/836.6	1:4.15	0.039	0.15	26.13	27.50	1.371	0.053	22.1
Right side	GPRS 2TS	190/836.6	1:4.15	0.012	-0.09	26.13	27.50	1.371	0.016	22.1
Top side	GPRS 2TS	190/836.6	1:4.15	0.084	0.04	26.13	27.50	1.371	0.115	22.1
Hotspot Test Data at the worst case with SIM2(Separate 10mm)										
Back side	GPRS 2TS	190/836.6	1:4.15	0.120	0.08	26.13	27.50	1.371	0.165	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)										
Back side	GPRS 2TS	190/836.6	1:4.15	0.091	0.07	26.13	27.50	1.371	0.124	22.1

Table 18：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	0.051	0.05	28.27	30.00	1.489	**0.076**	22.3
Left tilted	GSM	661/1880	1:8.3	0.022	0.04	28.27	30.00	1.489	0.033	22.3
Right cheek	GSM	661/1880	1:8.3	0.030	0.05	28.27	30.00	1.489	0.045	22.3
Right tilted	GSM	661/1880	1:8.3	0.030	0.02	28.27	30.00	1.489	0.045	22.3
Head Test Data at the worst case with SIM2										
Left cheek	GSM	661/1880	1:8.3	0.050	0.16	28.27	30.00	1.489	0.074	22.3
Head Test Data at the worst case with Battery 2#										
Left cheek	GSM	661/1880	1:8.3	0.047	0.08	28.27	30.00	1.489	0.069	22.3
Body worn Test data(Separate 15mm)										
Front side	GSM	661/1880	1:8.3	0.193	-0.03	28.27	30.00	1.489	0.287	22.3
Back side	GSM	661/1880	1:8.3	0.309	-0.18	28.27	30.00	1.489	0.460	22.3
Front side	GPRS 2TS	661/1880	1:4.15	0.238	0.02	26.38	28.00	1.452	0.346	22.3
Back side	GPRS 2TS	661/1880	1:4.15	0.406	-0.01	26.38	28.00	1.452	0.590	22.3
Body worn Test Data at the worst case with SIM2(Separate 15mm)										
Back side	GPRS 2TS	661/1880	1:4.15	0.414	0.12	26.38	28.00	1.452	0.601	22.3
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	GPRS 2TS	661/1880	1:4.15	0.456	0.17	26.38	28.00	1.452	**0.662**	22.3
Hotspot Test data(Separate 10mm)										
Front side	GPRS 2TS	661/1880	1:4.15	0.173	0.02	21.78	23.50	1.486	0.257	22.3
Back side	GPRS 2TS	661/1880	1:4.15	0.293	0.02	21.78	23.50	1.486	0.435	22.3
Left side	GPRS 2TS	661/1880	1:4.15	0.023	0.05	21.78	23.50	1.486	0.034	22.3
Right side	GPRS 2TS	661/1880	1:4.15	0.020	0.05	21.78	23.50	1.486	0.030	22.3
Bottom side	GPRS 2TS	661/1880	1:4.15	0.546	0.06	21.78	23.50	1.486	**0.811**	22.3
Bottom side	GPRS 2TS	512/1850.2	1:4.15	0.533	0.02	21.81	23.50	1.476	0.787	22.3
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.525	-0.01	21.76	23.50	1.493	0.784	22.3
Hotspot Test Data at the worst case with SIM2(Separate 10mm)										
Bottom side	GPRS 2TS	661/1880	1:4.15	0.518	-0.02	21.78	23.50	1.486	0.770	22.3
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)										
Bottom side	GPRS 2TS	661/1880	1:4.15	0.479	-0.12	21.78	23.50	1.486	0.712	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	GPRS 2TS	661/1880	1:4.15	1.430	0.06	25.87	27.00	1.297	**1.855**	22.3
Bottom side	GPRS 2TS	661/1880	1:4.15	0.816	-0.12	25.87	27.00	1.297	1.058	22.3
Limb Test data sensor off										
Back side -7mm	GPRS 2TS	661/1880	1:4.15	0.647	-0.11	26.38	28.00	1.452	0.940	22.3
Bottom side-9mm	GPRS 2TS	661/1880	1:4.15	0.726	-0.06	26.38	28.00	1.452	1.054	22.3
Test data Limbs SAR at the worst case with SIM 2 (Separate 0mm)										
Back side	GPRS 2TS	661/1880	1:4.15	1.250	0.11	25.87	27.00	1.297	1.621	22.3
Test data Limbs SAR at the worst case with Battery 2# (Separate 0mm)										
Back side	GPRS 2TS	661/1880	1:4.15	1.270	0.04	25.87	27.00	1.297	1.647	22.3

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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	661/1880	1:8.3	0.080	-0.10	24.64	26.00	1.368	0.109	22.3
Left tilted	GSM	661/1880	1:8.3	0.142	-0.04	24.64	26.00	1.368	0.194	22.3
Right cheek	GSM	661/1880	1:8.3	0.130	0.03	24.64	26.00	1.368	0.178	22.3
Right tilted	GSM	661/1880	1:8.3	0.162	0.14	24.64	26.00	1.368	**0.222**	22.3
Head Test Data at the worst case with SIM2										
Right tilted	GSM	661/1880	1:8.3	0.144	0.06	24.64	26.00	1.368	0.197	22.3
Head Test Data at the worst case with Battery 2#										
Right tilted	GSM	661/1880	1:8.3	0.117	0.01	24.64	26.00	1.368	0.160	22.3
Body worn Test data(Separate 15mm)										
Front side	GSM	661/1880	1:8.3	0.021	0.07	24.64	26.00	1.368	0.029	22.3
Back side	GSM	661/1880	1:8.3	0.027	0.02	24.64	26.00	1.368	0.036	22.3
Front side	GPRS 2TS	661/1880	1:4.15	0.020	-0.06	22.66	24.00	1.361	0.027	22.3
Back side	GPRS 2TS	661/1880	1:4.15	0.024	-0.03	22.66	24.00	1.361	0.033	22.3
Body worn Test Data at the worst case with SIM2(Separate 15mm)										
Back side	GSM	661/1880	1:8.3	0.026	-0.06	24.64	26.00	1.368	0.036	22.3
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	GSM	661/1880	1:8.3	0.029	0.06	24.64	26.00	1.368	**0.039**	22.3
Hotspot Test data (Separate 10mm)										
Front side	GPRS 2TS	661/1880	1:4.15	0.043	0.04	22.66	24.00	1.361	0.059	22.3
Back side	GPRS 2TS	661/1880	1:4.15	0.056	0.03	22.66	24.00	1.361	0.076	22.3
Left side	GPRS 2TS	661/1880	1:4.15	0.046	-0.11	22.66	24.00	1.361	0.062	22.3
Right side	GPRS 2TS	661/1880	1:4.15	0.013	0.02	22.66	24.00	1.361	0.018	22.3
Top side	GPRS 2TS	661/1880	1:4.15	0.119	0.01	22.66	24.00	1.361	**0.162**	22.3
Hotspot Test Data at the worst case with SIM2(Separate 10mm)										
Top side	GPRS 2TS	661/1880	1:4.15	0.113	-0.02	22.66	24.00	1.361	0.154	22.3
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)										
Top side	GPRS 2TS	661/1880	1:4.15	0.116	0.10	22.66	24.00	1.361	0.158	22.3

Table 19：SAR of GSM1900 for Head, Body and Limb

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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8.3.3 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	0.131	0.15	23.66	25.50	1.528	0.200	22.1
Left tilted	RMC	4182/836.4	1:1	0.083	-0.05	23.66	25.50	1.528	0.126	22.1
Right cheek	RMC	4182/836.4	1:1	0.154	-0.08	23.66	25.50	1.528	**0.235**	22.1
Right tilted	RMC	4182/836.4	1:1	0.081	0.03	23.66	25.50	1.528	0.124	22.1
Head Test Data at the worst case with SIM2										
Right cheek	RMC	4182/836.4	1:1	0.153	0.12	23.66	25.50	1.528	0.234	22.1
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	4182/836.4	1:1	0.142	0.12	23.66	25.50	1.528	0.217	22.1
Body worn Test data(Separate 15mm)										
Front side	RMC	4182/836.4	1:1	0.197	-0.06	23.66	25.50	1.528	0.301	22.1
Back side	RMC	4182/836.4	1:1	0.258	-0.05	23.66	25.50	1.528	**0.394**	22.1
Body worn Test Data at the worst case with SIM2(Separate 15mm)										
Back side	RMC	4182/836.4	1:1	0.224	-0.02	23.66	25.50	1.528	0.342	22.1
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	RMC	4182/836.4	1:1	0.186	0.02	23.66	25.50	1.528	0.284	22.1
Hotspot Test data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.275	-0.08	23.66	25.50	1.528	0.420	22.1
Back side	RMC	4182/836.4	1:1	0.400	0.02	23.66	25.50	1.528	**0.611**	22.1
Left side	RMC	4182/836.4	1:1	0.132	-0.05	23.66	25.50	1.528	0.202	22.1
Right side	RMC	4182/836.4	1:1	0.311	0.03	23.66	25.50	1.528	0.475	22.1
Bottom side	RMC	4182/836.4	1:1	0.255	0.12	23.66	25.50	1.528	0.390	22.1
Hotspot Test Data at the worst case with SIM2(Separate 10mm)										
Back side	RMC	4182/836.4	1:1	0.367	0.02	23.66	25.50	1.528	0.561	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)										
Back side	RMC	4182/836.4	1:1	0.263	0.04	23.66	25.50	1.528	0.402	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	RMC	4182/836.4	1:1	0.349	0.00	19.97	21.00	1.268	0.442	22.1
Left tilted	RMC	4182/836.4	1:1	0.356	0.08	19.97	21.00	1.268	**0.451**	22.1
Right cheek	RMC	4182/836.4	1:1	0.347	0.08	19.97	21.00	1.268	0.440	22.1
Right tilted	RMC	4182/836.4	1:1	0.293	0.19	19.97	21.00	1.268	0.371	22.1
Head Test Data at the worst case with SIM2										
Left tilted	RMC	4182/836.4	1:1	0.313	0.06	19.97	21.00	1.268	0.397	22.1
Head Test Data at the worst case with Battery 2#										
Left tilted	RMC	4182/836.4	1:1	0.215	-0.03	19.97	21.00	1.268	0.273	22.1
Body worn Test data(Separate 15mm)										
Front side	RMC	4182/836.4	1:1	0.066	0.07	20.25	21.50	1.334	0.088	22.1
Back side	RMC	4182/836.4	1:1	0.071	-0.09	20.25	21.50	1.334	0.094	22.1
Body worn Test Data at the worst case with SIM2(Separate 15mm)										
Back side	RMC	4182/836.4	1:1	0.087	-0.11	20.25	21.50	1.334	**0.116**	22.1
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	RMC	4182/836.4	1:1	0.075	-0.09	20.25	21.50	1.334	0.099	22.1

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Hotspot Test data (Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.106	0.04	20.25	21.50	1.334	0.141	22.1
Back side	RMC	4182/836.4	1:1	0.178	-0.07	20.25	21.50	1.334	**0.237**	22.1
Left side	RMC	4182/836.4	1:1	0.043	-0.11	20.25	21.50	1.334	0.057	22.1
Right side	RMC	4182/836.4	1:1	0.012	0.04	20.25	21.50	1.334	0.016	22.1
Top side	RMC	4182/836.4	1:1	0.095	-0.13	20.25	21.50	1.334	0.127	22.1
Hotspot Test Data at the worst case with SIM2(Separate 10mm)										
Back side	RMC	4182/836.4	1:1	0.173	-0.04	20.25	21.50	1.334	0.231	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)										
Back side	RMC	4182/836.4	1:1	0.153	-0.03	20.25	21.50	1.334	0.204	22.1

Table 20：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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8.3.4 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	0.094	0.10	23.64	25.00	1.368	**0.129**	22.2
Left tilted	RMC	1412/1732.4	1:1	0.044	0.03	23.64	25.00	1.368	0.060	22.2
Right cheek	RMC	1412/1732.4	1:1	0.054	0.08	23.64	25.00	1.368	0.074	22.2
Right tilted	RMC	1412/1732.4	1:1	0.038	0.06	23.64	25.00	1.368	0.052	22.2
Head Test Data at the worst case with SIM2										
Left cheek	RMC	1412/1732.4	1:1	0.084	0.09	23.64	25.00	1.368	0.115	22.2
Head Test Data at the worst case with Battery 2#										
Left cheek	RMC	1412/1732.4	1:1	0.092	0.09	23.64	25.00	1.368	0.126	22.2
Body worn Test data(Separate 15mm)										
Front side	RMC	1412/1732.4	1:1	0.426	0.09	23.64	25.00	1.368	0.583	22.2
Back side	RMC	1412/1732.4	1:1	0.655	0.01	23.64	25.00	1.368	0.896	22.2
Back side	RMC	1312/1712.4	1:1	0.599	-0.05	23.64	25.00	1.368	0.819	22.2
Back side	RMC	1513/1752.6	1:1	0.723	0.07	23.71	25.00	1.346	**0.973**	22.2
Body worn Test Data at the worst case with SIM2(Separate 15mm)										
Back side	RMC	1513/1752.6	1:1	0.718	0.12	23.71	25.00	1.346	0.966	22.2
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	RMC	1513/1752.6	1:1	0.704	-0.09	23.71	25.00	1.346	0.947	22.2
Hotspot Test data(Separate 10mm)										
Front side	RMC	1412/1732.4	1:1	0.277	0.03	19.15	20.30	1.303	0.361	22.2
Back side	RMC	1412/1732.4	1:1	0.506	0.02	19.15	20.30	1.303	0.659	22.2
Left side	RMC	1412/1732.4	1:1	0.029	0.07	19.15	20.30	1.303	0.038	22.2
Right side	RMC	1412/1732.4	1:1	0.038	0.05	19.15	20.30	1.303	0.050	22.2
Bottom side	RMC	1412/1732.4	1:1	0.690	0.02	19.15	20.30	1.303	0.899	22.2
Bottom side	RMC	1312/1712.4	1:1	0.581	-0.04	19.13	20.30	1.309	0.761	22.2
Bottom side	RMC	1513/1752.6	1:1	0.814	0.01	19.44	20.30	1.219	**0.992**	22.2
Bottom side Repeat	RMC	1513/1752.6	1:1	0.780	-0.17	19.44	20.30	1.219	0.951	22.2
Bottom side with protected cover 1#	RMC	1513/1752.6	1:1	0.786	0.04	19.44	20.30	1.219	0.958	22.2
Bottom side with protected cover 2#	RMC	1513/1752.6	1:1	0.806	-0.18	19.44	20.30	1.219	0.983	22.2
Hotspot Test Data at the worst case with SIM2(Separate 10mm)										
Bottom side	RMC	1513/1752.6	1:1	0.789	0.08	19.44	20.30	1.219	0.962	22.2
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)										
Bottom side	RMC	1513/1752.6	1:1	0.800	-0.07	19.44	20.30	1.219	0.975	22.2
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)										
Back side	RMC	1412/1732.4	1:1	1.720	0.09	20.15	21.00	1.216	2.092	22.2
Back side	RMC	1312/1712.4	1:1	1.650	0.18	19.99	21.00	1.262	2.082	22.2
Back side	RMC	1513/1752.6	1:1	1.730	0.04	20.17	21.00	1.211	2.094	22.2
Bottom side	RMC	1412/1732.4	1:1	0.889	0.03	20.15	21.00	1.216	1.081	22.2
Limbs Test data with sensor off										
Back side-7mm	RMC	1412/1732.4	1:1	1.320	-0.05	23.64	25.00	1.368	1.805	22.2
Bottom side-9mm	RMC	1412/1732.4	1:1	1.250	0.07	23.64	25.00	1.368	1.710	22.2

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Limbs Test data at the worst case with SIM2(Separate 0mm)										
Back side	RMC	1513/1752.6	1:1	1.720	0.04	20.17	21.00	1.211	2.082	22.2
Limbs Test data at the worst case with Battery 2#(Separate 0mm)										
Back side	RMC	1513/1752.6	1:1	1.770	0.04	20.17	21.00	1.211	**2.143**	22.2
Back side with protected cover 1#	RMC	1513/1752.6	1:1	1.590	0.06	20.17	21.00	1.211	1.925	22.2
Back side with protected cover 2#	RMC	1513/1752.6	1:1	1.590	-0.03	20.17	21.00	1.211	1.925	22.2
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	0.183	0.01	22.37	23.50	1.297	0.237	22.2
Left tilted	RMC	1412/1732.4	1:1	0.243	0.09	22.37	23.50	1.297	0.315	22.2
Right cheek	RMC	1412/1732.4	1:1	0.535	0.12	22.37	23.50	1.297	**0.694**	22.2
Right tilted	RMC	1412/1732.4	1:1	0.415	0.06	22.37	23.50	1.297	0.538	22.2
Head Test Data at the worst case with SIM2										
Right cheek	RMC	1412/1732.4	1:1	0.518	0.04	22.37	23.50	1.297	0.672	22.2
Head Test Data at the worst case with Sample 2#										
Right cheek	RMC	1412/1732.4	1:1	0.528	0.10	22.37	23.50	1.297	0.685	22.2
Body worn Test data(Separate 15mm)										
Front side	RMC	1412/1732.4	1:1	0.054	0.06	23.89	25.00	1.291	0.070	22.2
Back side	RMC	1412/1732.4	1:1	0.068	0.05	23.89	25.00	1.291	0.088	22.2
Body worn Test Data at the worst case with SIM2(Separate 15mm)										
Back side	RMC	1412/1732.4	1:1	0.068	0.08	23.89	25.00	1.291	0.088	22.2
Body worn Test Data at the worst case with Sample 2#(Separate 15mm)										
Back side	RMC	1412/1732.4	1:1	0.072	0.08	23.89	25.00	1.291	**0.093**	22.2
Hotspot Test data (Separate 10mm)										
Front side	RMC	1412/1732.4	1:1	0.108	-0.08	23.89	25.00	1.291	0.139	22.2
Back side	RMC	1412/1732.4	1:1	0.143	0.02	23.89	25.00	1.291	0.185	22.2
Left side	RMC	1412/1732.4	1:1	0.231	0.08	23.89	25.00	1.291	**0.298**	22.2
Right side	RMC	1412/1732.4	1:1	0.015	0.07	23.89	25.00	1.291	0.019	22.2
Top side	RMC	1412/1732.4	1:1	0.168	0.04	23.89	25.00	1.291	0.217	22.2
Hotspot Test Data at the worst case with SIM2(Separate 10mm)										
Left side	RMC	1412/1732.4	1:1	0.145	0.06	23.89	25.00	1.291	0.187	22.2
Hotspot Test Data at the worst case with Sample 2#(Separate 10mm)										
Left side	RMC	1412/1732.4	1:1	0.144	0.06	23.89	25.00	1.291	0.186	22.2

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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Note:

1) The maximum Scaled SAR value is marked in bold.

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).

Test Position	Channel/ Frequency (MHz)	Measured SAR (1g)	1st Repeated SAR (1g)	Ratio	2nd Repeated SAR (1g)	3rd Repeated SAR (1g)
Bottom Side	1513/1752.6	0.814	0.78	1.044	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ⩾ 1.45 W/kg (~ 10% from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ⩾ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						

Table 22：SAR Measurement Variability Results

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8.3.5 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	0.113	0.08	23.76	25.00	1.330	**0.150**	22.3
Left tilted	RMC	9400/1880	1:1	0.045	0.09	23.76	25.00	1.330	0.059	22.3
Right cheek	RMC	9400/1880	1:1	0.061	0.09	23.76	25.00	1.330	0.082	22.3
Right tilted	RMC	9400/1880	1:1	0.064	0.02	23.76	25.00	1.330	0.084	22.3
Head Test Data at the worst case with SIM2										
Left cheek	RMC	9400/1880	1:1	0.110	-0.01	23.76	25.00	1.330	0.146	22.3
Head Test Data at the worst case with Battery 2#										
Left cheek	RMC	9400/1880	1:1	0.098	0.08	23.76	25.00	1.330	0.130	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	9400/1880	1:1	0.408	0.08	23.76	25.00	1.330	0.543	22.3
Back side	RMC	9400/1880	1:1	0.692	0.13	23.76	25.00	1.330	**0.921**	22.3
Back side	RMC	9262/1852.4	1:1	0.683	0.01	23.83	25.00	1.309	0.894	22.3
Back side	RMC	9538/1907.6	1:1	0.661	-0.15	23.85	25.00	1.303	0.861	22.3
Body worn Test Data at the worst case with SIM2(Separate 15mm)										
Back side	RMC	9400/1880	1:1	0.688	0.03	23.76	25.00	1.330	0.915	22.3
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	RMC	9400/1880	1:1	0.654	0.01	23.76	25.00	1.330	0.870	22.3
Hotspot Test data(Separate 10mm)										
Front side	RMC	9400/1880	1:1	0.187	0.15	17.21	18.50	1.346	0.252	22.3
Back side	RMC	9400/1880	1:1	0.341	0.07	17.21	18.50	1.346	0.459	22.3
Left side	RMC	9400/1880	1:1	0.026	0.19	17.21	18.50	1.346	0.035	22.3
Right side	RMC	9400/1880	1:1	0.023	-0.06	17.21	18.50	1.346	0.030	22.3
Bottom side	RMC	9400/1880	1:1	0.592	0.12	17.21	18.50	1.346	**0.797**	22.3
Hotspot Test Data at the worst case with SIM2(Separate 10mm)										
Bottom side	RMC	9400/1880	1:1	0.585	-0.03	17.21	18.50	1.346	0.787	22.3
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)										
Bottom side	RMC	9400/1880	1:1	0.573	0.11	17.21	18.50	1.346	0.771	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	1.520	0.08	20.21	21.50	1.346	2.046	22.3
Back side	RMC	9262/1852.4	1:1	1.660	0.01	20.54	21.50	1.247	2.071	22.3
Back side	RMC	9538/1907.6	1:1	1.600	0.03	20.34	21.50	1.306	2.090	22.3
Bottom side	RMC	9400/1880	1:1	1.040	-0.08	20.21	21.50	1.346	1.400	22.3
Limb Test data sensor off										
Back side-7mm	RMC	9400/1880	1:1	1.590	-0.03	23.76	25.00	1.330	2.115	22.3
Back side-7mm	RMC	9262/1852.4	1:1	1.610	-0.04	23.83	25.00	1.309	2.108	22.3
Back side-7mm	RMC	9538/1907.6	1:1	1.460	-0.05	23.85	25.00	1.303	1.903	22.3
Bottom side-9mm	RMC	9400/1880	1:1	1.59	-0.05	23.76	25.00	1.330	2.115	22.3
Bottom side-9mm	RMC	9262/1852.4	1:1	1.550	-0.05	23.83	25.00	1.309	2.029	22.3
Bottom side-9mm	RMC	9538/1907.6	1:1	1.640	-0.16	23.85	25.00	1.303	**2.137**	22.3

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Limb Test data at the worst case with SIM2										
Bottom side-9mm	RMC	9538/1907.6	1:1	1.620	-0.02	23.85	25.00	1.303	2.111	22.3
Limb Test data at the worst case with Battery 2#										
Bottom side-9mm	RMC	9538/1907.6	1:1	1.480	-0.13	23.85	25.00	1.303	1.929	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	0.228	-0.05	19.07	20.00	1.239	0.282	22.3
Left tilted	RMC	9400/1880	1:1	0.361	-0.01	19.07	20.00	1.239	0.447	22.3
Right cheek	RMC	9400/1880	1:1	0.371	0.05	19.07	20.00	1.239	0.460	22.3
Right tilted	RMC	9400/1880	1:1	0.349	0.00	19.07	20.00	1.239	0.432	22.3
Head Test Data at the worst case with SIM2										
Right cheek	RMC	9400/1880	1:1	0.371	0.00	19.07	20.00	1.239	0.460	22.3
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	9400/1880	1:1	0.388	-0.05	19.07	20.00	1.239	**0.481**	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	9400/1880	1:1	0.089	0.03	20.68	22.00	1.355	0.120	22.3
Back side	RMC	9400/1880	1:1	0.112	-0.09	20.68	22.00	1.355	0.152	22.3
Body worn Test Data at the worst case with SIM2(Separate 15mm)										
Back side	RMC	9400/1880	1:1	0.133	0.02	20.68	22.00	1.355	**0.180**	22.3
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	RMC	9400/1880	1:1	0.128	0.00	20.68	22.00	1.355	0.173	22.3
Hotspot Test data (Separate 10mm)										
Front side	RMC	9400/1880	1:1	0.056	0.00	17.22	18.50	1.343	0.075	22.3
Back side	RMC	9400/1880	1:1	0.109	0.02	17.22	18.50	1.343	0.146	22.3
Left side	RMC	9400/1880	1:1	0.081	-0.11	17.22	18.50	1.343	0.108	22.3
Right side	RMC	9400/1880	1:1	0.168	-0.07	17.22	18.50	1.343	0.226	22.3
Top side	RMC	9400/1880	1:1	0.179	-0.06	17.22	18.50	1.343	**0.240**	22.3
Hotspot Test Data at the worst case with SIM2(Separate 10mm)										
Top side	RMC	9400/1880	1:1	0.177	-0.04	17.22	18.50	1.343	0.238	22.3
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)										
Top side	RMC	9400/1880	1:1	0.166	0.02	17.22	18.50	1.343	0.223	22.3

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

Note:

1) The maximum Scaled SAR value is marked in bold.

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)											
Left cheek	20	QPSK 1RB_99	19100/1900	1:1	0.089	-0.02	23.59	25.00	1.384	0.123	22.3
Left tilted	20	QPSK 1RB_99	19100/1900	1:1	0.029	0.04	23.59	25.00	1.384	0.040	22.3
Right cheek	20	QPSK 1RB_99	19100/1900	1:1	0.058	0.08	23.59	25.00	1.384	0.081	22.3
Right tilted	20	QPSK 1RB_99	19100/1900	1:1	0.051	0.07	23.59	25.00	1.384	0.071	22.3
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_0	18700/1860	1:1	0.087	0.09	22.60	24.00	1.380	0.121	22.3
Left tilted	20	QPSK 50RB_0	18700/1860	1:1	0.036	0.17	22.60	24.00	1.380	0.050	22.3
Right cheek	20	QPSK 50RB_0	18700/1860	1:1	0.052	0.17	22.60	24.00	1.380	0.072	22.3
Right tilted	20	QPSK 50RB_0	18700/1860	1:1	0.047	0.03	22.60	24.00	1.380	0.065	22.3
Head Test Data at the worst case with SIM2											
Left cheek	20	QPSK 1RB_99	19100/1900	1:1	0.088	0.13	23.59	25.00	1.384	0.121	22.3
Head Test Data at the worst case with Battery 2#											
Left cheek	20	QPSK 1RB_99	19100/1900	1:1	0.105	0.09	23.59	25.00	1.384	**0.145**	22.3
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_99	19100/1900	1:1	0.364	0.01	23.59	25.00	1.384	0.504	22.3
Back side	20	QPSK 1RB_99	19100/1900	1:1	0.698	-0.04	23.59	25.00	1.384	**0.966**	22.3
Back side	20	QPSK 1RB_99	18700/1860	1:1	0.678	0.07	23.54	25.00	1.400	0.949	22.3
Back side	20	QPSK 1RB_0	18900/1880	1:1	0.670	0.01	23.47	25.00	1.422	0.953	22.3
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	18700/1860	1:1	0.312	-0.09	22.60	24.00	1.380	0.431	22.3
Back side	20	QPSK 50RB_0	18700/1860	1:1	0.495	0.06	22.60	24.00	1.380	0.683	22.3
Body worn Test data (Separate 15mm 100%RB)											
Back side	20	QPSK 100RB_0	18700/1860	1:1	0.545	0.02	22.51	24.00	1.409	0.768	22.3
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	20	QPSK 1RB_99	19100/1900	1:1	0.543	0.04	23.59	25.00	1.384	0.751	22.3
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)											
Back side	20	QPSK 1RB_99	19100/1900	1:1	0.638	0.03	23.59	25.00	1.384	0.883	22.3
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1RB_0	18700/1860	1:1	0.211	0.00	17.48	19.00	1.419	0.299	22.3
Back side	20	QPSK 1RB_0	18700/1860	1:1	0.385	0.09	17.48	19.00	1.419	0.546	22.3
Left side	20	QPSK 1RB_0	18700/1860	1:1	0.029	0.01	17.48	19.00	1.419	0.041	22.3
Right side	20	QPSK 1RB_0	18700/1860	1:1	0.028	0.01	17.48	19.00	1.419	0.039	22.3
Bottom side	20	QPSK 1RB_0	18700/1860	1:1	0.538	-0.02	17.48	19.00	1.419	**0.763**	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	18700/1860	1:1	0.204	0.02	17.33	19.00	1.469	0.300	22.3
Back side	20	QPSK 50RB_0	18700/1860	1:1	0.371	0.03	17.33	19.00	1.469	0.545	22.3
Left side	20	QPSK 50RB_0	18700/1860	1:1	0.028	0.10	17.33	19.00	1.469	0.041	22.3
Right side	20	QPSK 50RB_0	18700/1860	1:1	0.028	0.06	17.33	19.00	1.469	0.040	22.3
Bottom side	20	QPSK 50RB_0	18700/1860	1:1	0.491	-0.02	17.33	19.00	1.469	0.721	22.3
Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Bottom side	20	QPSK 1RB_0	18700/1860	1:1	0.477	0.00	17.48	19.00	1.419	0.677	22.3
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Bottom side	20	QPSK 1RB_0	18700/1860	1:1	0.511	-0.01	17.48	19.00	1.419	0.725	22.3

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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 with sensor on (Separate 0mm 1RB)											
Back side	20	QPSK 1RB_0	18900/1880	1:1	1.550	0.07	20.37	21.50	1.297	2.011	22.3
Back side	20	QPSK 1RB_99	18700/1860	1:1	1.570	0.07	20.18	21.50	1.355	2.128	22.3
Back side	20	QPSK 1RB_99	19100/1900	1:1	1.650	0.02	20.37	21.50	1.297	**2.140**	22.3
Bottom side	20	QPSK 1RB_0	18900/1880	1:1	0.873	0.07	20.37	21.50	1.297	1.132	22.3
Limb Test data with sensor on(Separate 0mm 50%RB)											
Back side	20	QPSK 50RB_0	18900/1880	1:1	1.550	-0.10	20.22	21.50	1.343	2.081	22.3
Back side	20	QPSK 50RB_0	18700/1860	1:1	1.580	-0.14	20.21	21.50	1.346	2.126	22.3
Back side	20	QPSK 50RB_50	19100/1900	1:1	1.410	0.01	19.82	21.50	1.472	2.076	22.3
Bottom side	20	QPSK 50RB_0	18900/1880	1:1	0.830	0.03	20.22	21.50	1.343	1.114	22.3
Limb Test data with sensor off (1RB)											
Back side-7mm	20	QPSK 1RB_99	19100/1900	1:1	1.100	-0.06	23.59	25.00	1.384	1.522	22.3
Bottom side-9mm	20	QPSK 1RB_99	19100/1900	1:1	1.260	-0.03	23.59	25.00	1.384	1.743	22.3
Limb Test data with sensor off(50%RB)											
Back side-7mm	20	QPSK 50RB_0	18700/1860	1:1	0.957	-0.02	22.60	24.00	1.380	1.321	22.3
Bottom side-9mm	20	QPSK 50RB_0	18700/1860	1:1	1.060	-0.05	22.60	24.00	1.380	1.463	22.3
Limb Test data with sensor on(Separate 0mm 100%RB)											
Back side	20	QPSK 100RB_0	18700/1860	1:1	1.44	0.01	19.98	21.50	1.419	2.043	22.3
Bottom side	20	QPSK 100RB_0	18700/1860	1:1	1.080	-0.10	19.98	21.50	1.419	1.533	22.3
Limb Test Data at the worst case with SIM2(Separate 0mm）											
Back side	20	QPSK 1RB_99	19100/1900	1:1	1.610	0.00	20.37	21.50	1.297	2.088	22.3
Limb Test Data at the worst case with Battery 2#(Separate 0mm）											
Back side	20	QPSK 1RB_99	19100/1900	1:1	1.580	0.07	20.37	21.50	1.297	2.050	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)											
Left cheek	20	QPSK 1RB_0	18900/1880	1:1	0.151	0.09	19.43	20.50	1.279	0.193	22.3
Left tilted	20	QPSK 1RB_0	18900/1880	1:1	0.222	-0.10	19.43	20.50	1.279	0.284	22.3
Right cheek	20	QPSK 1RB_0	18900/1880	1:1	0.332	0.04	19.43	20.50	1.279	0.425	22.3
Right tilted	20	QPSK 1RB_0	18900/1880	1:1	0.355	0.04	19.43	20.50	1.279	0.454	22.3
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_0	18900/1880	1:1	0.152	0.02	19.26	20.50	1.330	0.202	22.3
Left tilted	20	QPSK 50RB_0	18900/1880	1:1	0.228	0.08	19.26	20.50	1.330	0.303	22.3
Right cheek	20	QPSK 50RB_0	18900/1880	1:1	0.287	0.09	19.26	20.50	1.330	0.382	22.3
Right tilted	20	QPSK 50RB_0	18900/1880	1:1	**0.364**	0.14	19.26	20.50	1.330	**0.484**	22.3
Head Test Data at the worst case with SIM2											
Right tilted	20	QPSK 50RB_0	18900/1880	1:1	0.273	0.00	19.26	20.50	1.330	0.363	22.3
Head Test Data at the worst case with Battery 2#											
Right tilted	20	QPSK 50RB_0	18900/1880	1:1	0.281	-0.08	19.26	20.50	1.330	0.374	22.3
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_0	18700/1860	1:1	0.082	-0.05	20.81	22.00	1.315	0.108	22.3
Back side	20	QPSK 1RB_0	18700/1860	1:1	0.104	0.10	20.81	22.00	1.315	**0.137**	22.3
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	18700/1860	1:1	0.073	0.00	20.56	22.00	1.393	0.102	22.3
Back side	20	QPSK 50RB_0	18700/1860	1:1	0.092	0.06	20.56	22.00	1.393	0.128	22.3
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	20	QPSK 1RB_0	18700/1860	1:1	0.098	0.04	20.81	22.00	1.315	0.128	22.3

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Body worn Test data at the worst case with Battery 2#(Separate 15mm)											
Back side	20	QPSK 1RB_0	18700/1860	1:1	0.097	-0.15	20.81	22.00	1.315	0.127	22.3
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1RB_0	18700/1860	1:1	0.071	0.01	18.49	19.50	1.262	0.089	22.3
Back side	20	QPSK 1RB_0	18700/1860	1:1	0.110	-0.10	18.49	19.50	1.262	0.139	22.3
Left side	20	QPSK 1RB_0	18700/1860	1:1	0.120	-0.04	18.49	19.50	1.262	0.151	22.3
Right side	20	QPSK 1RB_0	18700/1860	1:1	0.007	-0.13	18.49	19.50	1.262	0.008	22.3
Top side	20	QPSK 1RB_0	18700/1860	1:1	0.201	-0.16	18.49	19.50	1.262	0.254	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	18700/1860	1:1	0.064	-0.03	18.24	19.50	1.337	0.086	22.3
Back side	20	QPSK 50RB_0	18700/1860	1:1	0.100	0.15	18.24	19.50	1.337	0.134	22.3
Left side	20	QPSK 50RB_0	18700/1860	1:1	0.108	-0.08	18.24	19.50	1.337	0.144	22.3
Right side	20	QPSK 50RB_0	18700/1860	1:1	0.007	0.06	18.24	19.50	1.337	0.009	22.3
Top side	20	QPSK 50RB_0	18700/1860	1:1	0.185	-0.18	18.24	19.50	1.337	0.247	22.3
Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Top side	20	QPSK 1RB_0	18700/1860	1:1	0.198	0.03	18.49	19.50	1.262	0.250	22.3
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Top side	20	QPSK 1RB_0	18700/1860	1:1	0.310	0.07	18.49	19.50	1.262	**0.391**	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 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)											
Left cheek	20	QPSK 1RB_99	20175/1732.5	1:1	0.088	0.11	23.98	25.20	1.324	**0.117**	22.2
Left tilted	20	QPSK 1RB_99	20175/1732.5	1:1	0.046	0.05	23.98	25.20	1.324	0.061	22.2
Right cheek	20	QPSK 1RB_99	20175/1732.5	1:1	0.057	0.04	23.98	25.20	1.324	0.075	22.2
Right tilted	20	QPSK 1RB_99	20175/1732.5	1:1	0.043	0.09	23.98	25.20	1.324	0.057	22.2
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_0	20300/1745	1:1	0.054	-0.11	22.46	23.70	1.330	0.072	22.2
Left tilted	20	QPSK 50RB_0	20300/1745	1:1	0.031	-0.03	22.46	23.70	1.330	0.041	22.2
Right cheek	20	QPSK 50RB_0	20300/1745	1:1	0.035	0.01	22.46	23.70	1.330	0.047	22.2
Right tilted	20	QPSK 50RB_0	20300/1745	1:1	0.027	0.07	22.46	23.70	1.330	0.036	22.2
Head Test Data at the worst case with SIM2											
Left cheek	20	QPSK 1RB_99	20175/1732.5	1:1	0.075	-0.05	23.98	25.20	1.324	0.099	22.2
Head Test Data at the worst case with Battery 2#											
Left cheek	20	QPSK 1RB_99	20175/1732.5	1:1	0.088	0.02	23.98	25.20	1.324	0.117	22.2
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_99	20175/1732.5	1:1	0.443	0.14	23.98	25.20	1.324	0.587	22.2
Back side	20	QPSK 1RB_99	20175/1732.5	1:1	0.722	-0.08	23.98	25.20	1.324	0.956	22.2
Back side	20	QPSK 1RB_99	20050/1720	1:1	0.645	-0.14	23.98	25.20	1.324	0.854	22.2
Back side	20	QPSK 1RB_99	20300/1745	1:1	0.741	0.06	23.98	25.20	1.324	**0.981**	22.2
Back side with protected cover 1#	20	QPSK 1RB_99	20300/1745	1:1	0.714	0.02	23.98	25.20	1.324	0.946	22.2
Back side with protected cover 2#	20	QPSK 1RB_99	20300/1745	1:1	0.709	-0.04	23.98	25.20	1.324	0.939	22.2
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	20300/1745	1:1	0.313	0.11	22.46	23.70	1.330	0.416	22.2
Back side	20	QPSK 50RB_0	20300/1745	1:1	0.510	0.09	22.46	23.70	1.330	0.679	22.2
Body worn Test data (Separate 15mm 100%RB)											
Back side	20	QPSK 50RB_0	20175/1732.5	1:1	0.484	-0.07	22.39	23.70	1.352	0.654	22.2
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	20	QPSK 1RB_99	20300/1745	1:1	0.612	0.19	23.98	25.20	1.324	0.810	22.2
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)											
Back side	20	QPSK 1RB_99	20300/1745	1:1	0.725	-0.02	23.98	25.20	1.324	0.960	22.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1RB_99	20300/1745	1:1	0.196	0.06	17.40	18.70	1.349	0.264	22.2
Back side	20	QPSK 1RB_99	20300/1745	1:1	0.333	0.06	17.40	18.70	1.349	0.449	22.2
Left side	20	QPSK 1RB_99	20300/1745	1:1	0.020	0.05	17.40	18.70	1.349	0.027	22.2
Right side	20	QPSK 1RB_99	20300/1745	1:1	0.029	0.07	17.40	18.70	1.349	0.039	22.2
Bottom side	20	QPSK 1RB_99	20300/1745	1:1	0.510	0.07	17.40	18.70	1.349	0.688	22.2
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	20175/1732.5	1:1	0.191	0.04	17.38	18.70	1.355	0.259	22.2
Back side	20	QPSK 50RB_0	20175/1732.5	1:1	0.309	0.06	17.38	18.70	1.355	0.419	22.2
Left side	20	QPSK 50RB_0	20175/1732.5	1:1	0.016	0.04	17.38	18.70	1.355	0.022	22.2
Right side	20	QPSK 50RB_0	20175/1732.5	1:1	0.025	0.09	17.38	18.70	1.355	0.034	22.2
Bottom side	20	QPSK 50RB_0	20175/1732.5	1:1	0.444	-0.09	17.38	18.70	1.355	0.602	22.2
Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Bottom side	20	QPSK 1RB_99	20300/1745	1:1	0.508	0.06	17.40	18.70	1.349	0.685	22.2

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Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Bottom side	20	QPSK 1RB_99	20300/1745	1:1	0.524	0.19	17.40	18.70	1.349	**0.707**	22.2
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)											
Back side	20	QPSK 1RB_99	20175/1732.5	1:1	1.560	0.17	19.54	20.70	1.306	2.038	22.2
Back side	20	QPSK 1RB_99	20050/1720	1:1	1.620	0.04	19.54	20.70	1.306	**2.116**	22.2
Back side	20	QPSK 1RB_99	20300/1745	1:1	1.530	0.01	19.38	20.70	1.355	2.073	22.2
Bottom side	20	QPSK 1RB_99	20175/1732.5	1:1	0.839	0.01	19.54	20.70	1.306	1.096	22.2
Limbs Test data with sensor on(Separate 0mm 50%RB)											
Back side	20	QPSK 50RB_0	20175/1732.5	1:1	1.550	0.07	19.50	20.70	1.318	2.043	22.2
Back side	20	QPSK 50RB_0	20050/1720	1:1	1.570	0.09	19.42	20.70	1.343	2.108	22.2
Back side	20	QPSK 50RB_0	20300/1745	1:1	1.580	0.07	19.49	20.70	1.321	2.088	22.2
Bottom side	20	QPSK 50RB_0	20175/1732.5	1:1	0.885	0.07	19.50	20.70	1.318	1.167	22.2
Limbs Test data with sensor on(Separate 0mm 100%RB)											
Back side	20	QPSK 100RB_0	20175/1732.5	1:1	1.550	0.18	19.38	20.70	1.355	2.101	22.2
Limb Test data with sensor off (Separate 1RB)											
Back side-7mm	20	QPSK 1RB_99	20175/1732.5	1:1	1.310	-0.09	23.98	25.20	1.324	1.735	22.2
Bottom side-9mm	20	QPSK 1RB_99	20175/1732.5	1:1	1.280	0.01	23.98	25.20	1.324	1.695	22.2
Limbs Test data with sensor off(50%RB)											
Back side-7mm	20	QPSK 50RB_0	20300/1745	1:1	0.924	-0.09	22.46	23.70	1.330	1.229	22.2
Bottom side-9mm	20	QPSK 50RB_0	20300/1745	1:1	0.917	-0.11	22.46	23.70	1.330	1.220	22.2
Limb Test Data at the worst case with SIM2(Separate 0mm)											
Back side	20	QPSK 1RB_99	20050/1720	1:1	1.600	0.08	19.54	20.70	1.306	2.090	22.2
Limb Test Data at the worst case with Battery 2#(Separate 0mm)											
Back side	20	QPSK 1RB_99	20050/1720	1:1	1.570	0.08	19.54	20.70	1.306	2.051	22.2
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)											
Left cheek	20	QPSK 1RB_99	20050/1720	1:1	0.143	-0.16	21.98	22.70	1.180	0.169	22.2
Left tilted	20	QPSK 1RB_99	20050/1720	1:1	0.154	0.07	21.98	22.70	1.180	0.182	22.2
Right cheek	20	QPSK 1RB_99	20050/1720	1:1	0.450	0.18	21.98	22.70	1.180	0.531	22.2
Right tilted	20	QPSK 1RB_99	20050/1720	1:1	0.383	0.12	21.98	22.70	1.180	0.452	22.2
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_50	20175/1732.5	1:1	0.151	-0.01	21.39	22.70	1.352	0.204	22.2
Left tilted	20	QPSK 50RB_50	20175/1732.5	1:1	0.175	0.10	21.39	22.70	1.352	0.237	22.2
Right cheek	20	QPSK 50RB_50	20175/1732.5	1:1	0.455	-0.02	21.39	22.70	1.352	**0.615**	22.2
Right tilted	20	QPSK 50RB_50	20175/1732.5	1:1	0.374	0.05	21.39	22.70	1.352	0.506	22.2
Head Test Data at the worst case with SIM2											
Right cheek	20	QPSK 50RB_50	20175/1732.5	1:1	0.336	-0.17	21.39	22.70	1.352	0.454	22.2
Head Test Data at the worst case with Battery 2#											
Right cheek	20	QPSK 50RB_50	20175/1732.5	1:1	0.264	-0.15	21.39	22.70	1.352	0.357	22.2
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_0	20050/1720	1:1	0.047	0.05	24.75	25.20	1.109	0.052	22.2
Back side	20	QPSK 1RB_0	20050/1720	1:1	0.117	0.10	24.75	25.20	1.109	**0.130**	22.2
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	20050/1720	1:1	0.041	0.03	22.84	24.20	1.368	0.056	22.2
Back side	20	QPSK 50RB_0	20050/1720	1:1	0.067	0.04	22.84	24.20	1.368	0.091	22.2
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	20	QPSK 1RB_0	20050/1720	1:1	0.093	0.13	24.75	25.20	1.109	0.103	22.2

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Body worn Test data at the worst case with Battery 2#(Separate 15mm)											
Back side	20	QPSK 1RB_0	20050/1720	1:1	0.091	-0.04	24.75	25.20	1.109	0.101	22.2
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1RB_0	20050/1720	1:1	0.138	0.02	24.75	25.20	1.109	0.153	22.2
Back side	20	QPSK 1RB_0	20050/1720	1:1	0.221	0.05	24.75	25.20	1.109	**0.245**	22.2
Left side	20	QPSK 1RB_0	20050/1720	1:1	0.193	0.16	24.75	25.20	1.109	0.214	22.2
Right side	20	QPSK 1RB_0	20050/1720	1:1	0.017	0.03	24.75	25.20	1.109	0.019	22.2
Top side	20	QPSK 1RB_0	20050/1720	1:1	0.160	-0.14	24.75	25.20	1.109	0.177	22.2
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	20050/1720	1:1	0.096	0.04	22.84	24.20	1.368	0.131	22.2
Back side	20	QPSK 50RB_0	20050/1720	1:1	0.141	0.01	22.84	24.20	1.368	0.193	22.2
Left side	20	QPSK 50RB_0	20050/1720	1:1	0.135	-0.03	22.84	24.20	1.368	0.185	22.2
Right side	20	QPSK 50RB_0	20050/1720	1:1	0.013	0.06	22.84	24.20	1.368	0.017	22.2
Top side	20	QPSK 50RB_0	20050/1720	1:1	0.131	0.00	22.84	24.20	1.368	0.179	22.2
Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Back side	20	QPSK 1RB_0	20050/1720	1:1	0.189	-0.10	24.75	25.20	1.109	0.210	22.2
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Back side	20	QPSK 1RB_0	20050/1720	1:1	0.172	0.05	24.75	25.20	1.109	0.191	22.2

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 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)											
Left cheek	10	QPSK 1RB_49	20525/836.5	1:1	0.095	0.02	24.30	25.50	1.318	0.125	22.1
Left tilted	10	QPSK 1RB_49	20525/836.5	1:1	0.111	0.08	24.30	25.50	1.318	0.146	22.1
Right cheek	10	QPSK 1RB_49	20525/836.5	1:1	0.226	0.14	24.30	25.50	1.318	**0.298**	22.1
Right cheek	10	PCC QPSK 1RB@0	20600/844	1:1	0.218	-0.03	24.31	25.50	1.315	0.287	22.1
	10	SCC QPSK 0RB@0	20501/834.1	1:1							
Right tilted	10	QPSK 1RB_49	20525/836.5	1:1	0.109	-0.05	24.30	25.50	1.318	0.185	22.1
Head Test data(50%RB)											
Left cheek	10	QPSK 25RB_25	20525/836.5	1:1	0.073	0.03	22.86	24.50	1.459	0.106	22.1
Left tilted	10	QPSK 25RB_25	20525/836.5	1:1	0.085	-0.16	22.86	24.50	1.459	0.123	22.1
Right cheek	10	QPSK 25RB_25	20525/836.5	1:1	0.165	0.11	22.86	24.50	1.459	0.241	22.1
Right tilted	10	QPSK 25RB_25	20525/836.5	1:1	0.078	-0.15	22.86	24.50	1.459	0.113	22.1
Head Test Data at the worst case with SIM2											
Right cheek	10	QPSK 1RB_49	20525/836.5	1:1	0.163	0.09	24.30	25.50	1.318	0.215	22.1
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK 1RB_49	20525/836.5	1:1	0.149	0.02	24.30	25.50	1.318	0.196	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	10	QPSK 1RB_49	20525/836.5	1:1	0.229	-0.08	24.30	25.50	1.318	0.302	22.1
Back side	10	QPSK 1RB_49	20525/836.5	1:1	0.284	0.01	24.30	25.50	1.318	**0.374**	22.1
Back side	10	PCC QPSK 1RB@0	20600/844	1:1	0.242	0.00	24.31	25.50	1.315	0.318	22.1
	10	SCC QPSK 0RB@0	20501/834.1	1:1							
Body worn Test data (Separate 15mm 50%RB)											
Front side	10	QPSK 25RB_25	20525/836.5	1:1	0.153	0.00	22.86	24.50	1.459	0.223	22.1
Back side	10	QPSK 25RB_25	20525/836.5	1:1	0.216	0.01	22.86	24.50	1.459	0.315	22.1
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	20	QPSK 1RB_49	20525/836.5	1:1	0.253	-0.01	24.30	25.50	1.318	0.334	22.1
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)											
Back side	10	QPSK 1RB_49	20525/836.5	1:1	0.251	0.08	24.30	25.50	1.318	0.331	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	10	QPSK 1RB_49	20525/836.5	1:1	0.294	-0.18	24.30	25.50	1.318	0.388	22.1
Back side	10	QPSK 1RB_49	20525/836.5	1:1	0.471	0.01	24.30	25.50	1.318	**0.621**	22.1
Back side	10	PCC QPSK 1RB@0	20600/844	1:1	0.448	0.06	24.31	25.50	1.315	0.589	22.1
	10	SCC QPSK 0RB@0	20501/834.1	1:1							
Left side	10	QPSK 1RB_49	20525/836.5	1:1	0.116	-0.11	24.30	25.50	1.318	0.153	22.1
Right side	10	QPSK 1RB_49	20525/836.5	1:1	0.232	-0.06	24.30	25.50	1.318	0.306	22.1
Bottom side	10	QPSK 1RB_49	20525/836.5	1:1	0.277	0.05	24.30	25.50	1.318	0.365	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25RB_25	20525/836.5	1:1	0.153	0.00	22.86	24.50	1.459	0.223	22.1
Back side	10	QPSK 25RB_25	20525/836.5	1:1	0.320	0.05	22.86	24.50	1.459	0.467	22.1
Left side	10	QPSK 25RB_25	20525/836.5	1:1	0.084	-0.08	22.86	24.50	1.459	0.122	22.1
Right side	10	QPSK 25RB_25	20525/836.5	1:1	0.160	-0.09	22.86	24.50	1.459	0.233	22.1
Bottom side	10	QPSK 25RB_25	20525/836.5	1:1	0.191	0.06	22.86	24.50	1.459	0.279	22.1

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Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Back side	20	QPSK 1RB_49	20525/836.5	1:1	0.401	0.03	24.30	25.50	1.318	0.529	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Back side	10	QPSK 1RB_49	20525/836.5	1:1	0.421	0.00	24.30	25.50	1.318	0.555	22.1
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)											
Left cheek	10	QPSK 1RB_0	20525/836.5	1:1	0.341	0.11	19.45	19.50	1.012	0.345	22.1
Left tilted	10	QPSK 1RB_0	20525/836.5	1:1	0.227	0.04	19.45	19.50	1.012	0.230	22.1
Right cheek	10	QPSK 1RB_0	20525/836.5	1:1	0.280	0.04	19.45	19.50	1.012	0.283	22.1
Right tilted	10	QPSK 1RB_0	20525/836.5	1:1	0.237	0.18	19.45	19.50	1.012	0.240	22.1
Head Test data(50%RB)											
Left cheek	10	QPSK 25RB_0	20450/829	1:1	0.361	0.03	18.98	19.50	1.127	**0.407**	22.1
Left cheek	10	PCC QPSK 1RB@0	20450/829	1:1	0.299	-0.02	19.41	19.50	1.021	0.305	22.1
	10	SCC QPSK 0RB@0	20549/838.9	1:1							
Left tilted	10	QPSK 25RB_0	20450/829	1:1	0.197	0.01	18.98	19.50	1.127	0.222	22.1
Right cheek	10	QPSK 25RB_0	20450/829	1:1	0.286	0.00	18.98	19.50	1.127	0.322	22.1
Right tilted	10	QPSK 25RB_0	20450/829	1:1	0.234	-0.03	18.98	19.50	1.127	0.264	22.1
Head Test Data at the worst case with SIM2											
Left cheek	10	QPSK 25RB_0	20450/829	1:1	0.230	0.06	18.98	19.50	1.127	0.259	22.1
Head Test Data at the worst case with Battery 2#											
Left cheek	10	QPSK 25RB_0	20450/829	1:1	0.191	-0.14	18.98	19.50	1.127	0.215	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	10	QPSK 1RB_0	20525/836.5	1:1	0.069	0.06	21.31	21.50	1.045	**0.072**	22.1
Front side	10	PCC QPSK 1RB@0	20450/829	1:1	0.044	0.14	21.41	21.50	1.021	0.045	22.1
	10	SCC QPSK 0RB@0	20549/838.9	1:1							
Back side	10	QPSK 1RB_0	20525/836.5	1:1	0.052	-0.05	21.31	21.50	1.045	0.054	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	10	QPSK 25RB_0	20525/836.5	1:1	0.054	-0.03	20.99	21.50	1.125	0.061	22.1
Back side	10	QPSK 25RB_0	20525/836.5	1:1	0.053	-0.08	20.99	21.50	1.125	0.060	22.1
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Front side	10	QPSK 1RB_0	20525/836.5	1:1	0.059	-0.06	21.31	21.50	1.045	0.061	22.1
Body worn Test data at the worst case with Battery 2#(Separate 15mm)											
Front side	10	QPSK 1RB_0	20525/836.5	1:1	0.059	-0.05	21.31	21.50	1.045	0.061	22.1
Hotspot Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1RB_0	20525/836.5	1:1	0.087	0.19	21.31	21.50	1.045	0.091	22.1
Back side	10	QPSK 1RB_0	20525/836.5	1:1	0.114	-0.03	21.31	21.50	1.045	0.119	22.1
Left side	10	QPSK 1RB_0	20525/836.5	1:1	0.044	-0.19	21.31	21.50	1.045	0.045	22.1
Right side	10	QPSK 1RB_0	20525/836.5	1:1	0.012	0.07	21.31	21.50	1.045	0.013	22.1
Top side	10	QPSK 1RB_0	20525/836.5	1:1	0.106	0.07	21.31	21.50	1.045	0.111	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25RB_0	20525/836.5	1:1	0.091	0.08	20.99	21.50	1.125	0.102	22.1
Back side	10	QPSK 25RB_0	20525/836.5	1:1	0.165	0.10	20.99	21.50	1.125	0.186	22.1
Left side	10	QPSK 25RB_0	20525/836.5	1:1	0.046	0.13	20.99	21.50	1.125	0.052	22.1
Right side	10	QPSK 25RB_0	20525/836.5	1:1	0.008	-0.08	20.99	21.50	1.125	0.009	22.1
Top side	10	QPSK 25RB_0	20525/836.5	1:1	0.110	0.13	20.99	21.50	1.125	0.124	22.1

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Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Back side	10	QPSK 25RB_0	20525/836.5	1:1	0.118	-0.12	20.99	21.50	1.125	0.133	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Back side	10	QPSK 25RB_0	20525/836.5	1:1	0.171	-0.15	20.99	21.50	1.125	**0.192**	22.1
Back side	10	PCC QPSK 1RB@0	20450/829	1:1	0.106	0.07	21.41	21.50	1.021	0.108	22.1
	10	SCC QPSK 0RB@0	20549/838.9	1:1							

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 7

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)											
Left cheek	20	QPSK 1RB_0	20850/2510	1:1	0.077	0.07	23.23	24.70	1.403	0.108	22.1
Left tilted	20	QPSK 1RB_0	20850/2510	1:1	0.105	0.03	23.23	24.70	1.403	0.147	22.1
Right cheek	20	QPSK 1RB_0	20850/2510	1:1	0.077	0.07	23.23	24.70	1.403	0.109	22.1
Right tilted	20	QPSK 1RB_0	20850/2510	1:1	0.064	0.04	23.23	24.70	1.403	0.089	22.1
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_50	21350/2560	1:1	0.090	0.04	22.21	23.70	1.409	0.127	22.1
Left tilted	20	QPSK 50RB_50	21350/2560	1:1	0.186	-0.01	22.21	23.70	1.409	**0.262**	22.1
Left tilted	20	PCC QPSK 1RB@0	21350/2560	1:1	0.185	-0.05	23.46	24.70	1.330	0.246	22.1
	20	SCC QPSK 0RB@0	21152/2540.2	1:1							
Right cheek	20	QPSK 50RB_50	21350/2560	1:1	0.066	0.07	22.21	23.70	1.409	0.094	22.1
Right tilted	20	QPSK 50RB_50	21350/2560	1:1	0.095	0.05	22.21	23.70	1.409	0.134	22.1
Head Test Data at the worst case with SIM2											
Left tilted	20	QPSK 50RB_50	21350/2560	1:1	0.173	-0.19	22.21	23.70	1.409	0.244	22.1
Head Test Data at the worst case with Battery 2#											
Left tilted	20	QPSK 50RB_50	21350/2560	1:1	0.160	0.04	22.21	23.70	1.409	0.225	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_0	20850/2510	1:1	0.374	0.07	23.23	24.70	1.403	0.525	22.1
Back side	20	QPSK 1RB_0	20850/2510	1:1	0.245	-0.14	23.23	24.70	1.403	0.344	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_50	21350/2560	1:1	0.279	0.08	22.21	23.70	1.409	0.393	22.1
Back side	20	QPSK 50RB_50	21350/2560	1:1	0.201	0.19	22.21	23.70	1.409	0.283	22.1
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Front side	20	QPSK 1RB_0	20850/2510	1:1	0.363	-0.14	23.23	24.70	1.403	0.509	22.1
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)											
Front side	20	QPSK 1RB_0	20850/2510	1:1	0.433	0.02	23.23	24.70	1.403	**0.607**	22.1
Front side	20	PCC QPSK 1RB@0	20850/2510	1:1	0.395	-0.05	23.46	24.70	1.330	0.526	22.1
	20	SCC QPSK 0RB@0	21048/2529.8	1:1							
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1RB_99	21100/2535.5	1:1	0.307	-0.19	20.27	21.70	1.390	0.427	22.1
Back side	20	QPSK 1RB_99	21100/2535.5	1:1	0.382	0.04	20.27	21.70	1.390	0.531	22.1
Left side	20	QPSK 1RB_99	21100/2535.5	1:1	0.194	-0.01	20.27	21.70	1.390	0.270	22.1
Right side	20	QPSK 1RB_99	21100/2535.5	1:1	0.087	-0.02	20.27	21.70	1.390	0.121	22.1
Bottom side	20	QPSK 1RB_99	21100/2535.5	1:1	0.459	-0.01	20.27	21.70	1.390	**0.638**	22.1
Bottom side	20	PCC QPSK 1RB@0	21100/2535.5	1:1	0.445	-0.07	20.65	21.70	1.274	0.567	22.1
	20	SCC QPSK 0RB@0	21298/2554.8	1:1							
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	20850/2510	1:1	0.321	-0.09	20.19	21.70	1.416	0.454	22.1
Back side	20	QPSK 50RB_0	20850/2510	1:1	0.428	0.14	20.19	21.70	1.416	0.606	22.1
Left side	20	QPSK 50RB_0	20850/2510	1:1	0.238	-0.12	20.19	21.70	1.416	0.337	22.1
Right side	20	QPSK 50RB_0	20850/2510	1:1	0.060	0.12	20.19	21.70	1.416	0.085	22.1
Bottom side	20	QPSK 50RB_0	20850/2510	1:1	0.425	0.04	20.19	21.70	1.416	0.602	22.1

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Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Bottom side	20	QPSK 1RB_99	21100/2535.5	1:1	0.449	0.06	20.27	21.70	1.390	0.624	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Bottom side	20	QPSK 1RB_99	21100/2535.5	1:1	0.336	-0.05	20.27	21.70	1.390	0.467	22.1
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)											
Bottom side	20	QPSK 1RB_99	21100/2535.5	1:1	0.617	-0.10	20.27	21.70	1.390	0.858	22.2
Limbs Test data with sensor on(Separate 0mm 50%RB)											
Bottom side	20	QPSK 50RB_0	20850/2510	1:1	0.689	-0.01	20.19	21.70	1.416	0.975	22.2
Limbs Test data with sensor off(Separate 9mm 1RB)											
Bottom side-9mm	20	QPSK 1RB_99	20850/2510	1:1	0.491	0.01	23.23	24.70	1.403	0.689	22.2
Limbs Test data with sensor off(Separate 9mm 50%RB)											
Bottom side-9mm	20	QPSK 50RB_50	21350/2560	1:1	0.350	0.13	22.21	23.70	1.409	0.493	22.2
Limb Test Data at the worst case with SIM2(Separate 0mm)											
Bottom side	20	QPSK 50RB_0	20850/2510	1:1	0.678	-0.10	20.19	21.70	1.416	0.960	22.2
Limb Test Data at the worst case with Battery 2#(Separate 0mm)											
Bottom side	20	QPSK 50RB_0	20850/2510	1:1	0.726	0.19	20.19	21.70	1.416	**1.028**	22.2
Bottom side	20	PCC QPSK 1RB@0	20850/2510	1:1	0.716	0.03	20.65	21.70	1.274	0.912	22.2
	20	SCC QPSK 0RB@0	21048/2529.8	1:1							
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)											
Left cheek	20	QPSK 1RB_99	21350/2560	1:1	0.0741	0.15	14.12	15.70	1.439	0.107	22.1
Left tilted	20	QPSK 1RB_99	21350/2560	1:1	0.0878	0.19	14.12	15.70	1.439	0.126	22.1
Right cheek	20	QPSK 1RB_99	21350/2560	1:1	0.176	0.05	14.12	15.70	1.439	0.253	22.1
Right tilted	20	QPSK 1RB_99	21350/2560	1:1	0.216	0.02	14.12	15.70	1.439	0.311	22.1
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_50	21350/2560	1:1	0.0773	0.10	13.96	15.70	1.493	0.115	22.1
Left tilted	20	QPSK 50RB_50	21350/2560	1:1	0.0875	0.17	13.96	15.70	1.493	0.131	22.1
Right cheek	20	QPSK 50RB_50	21350/2560	1:1	0.177	0.18	13.96	15.70	1.493	0.264	22.1
Right tilted	20	QPSK 50RB_50	21350/2560	1:1	0.217	0.07	13.96	15.70	1.493	**0.324**	22.1
Right tilted	20	PCC QPSK 1RB@0	21350/2560	1:1	0.187	0.05	14.12	15.70	1.439	0.269	22.1
	20	SCC QPSK 0RB@0	21152/2540.2	1:1							
Head Test Data at the worst case with SIM2											
Right tilted	20	QPSK 50RB_50	21350/2560	1:1	0.215	0.13	13.96	15.70	1.493	0.321	22.1
Head Test Data at the worst case with Battery 2#											
Right tilted	20	QPSK 50RB_50	21350/2560	1:1	0.198	0.13	13.96	15.70	1.493	0.296	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_99	21350/2560	1:1	0.081	0.04	20.46	21.70	1.330	0.107	22.1
Back side	20	QPSK 1RB_99	21350/2560	1:1	0.163	-0.17	20.46	21.70	1.330	**0.217**	22.1
Back side	20	PCC QPSK 1RB@0	21350/2560	1:1	0.152	0.03	20.38	21.70	1.355	0.206	22.1
	20	SCC QPSK 0RB@0	21152	1:1							

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Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_50	21350/2560	1:1	0.078	0.04	20.40	21.70	1.349	0.105	22.1
Back side	20	QPSK 50RB_50	21350/2560	1:1	0.155	0.01	20.40	21.70	1.349	0.209	22.1
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	20	QPSK 1RB_99	21350/2560	1:1	0.148	0.04	20.46	21.70	1.330	0.197	22.1
Body worn Test data at the worst case with Battery 2#(Separate 15mm)											
Back side	20	QPSK 1RB_99	21350/2560	1:1	0.140	0.02	20.46	21.70	1.330	0.186	22.1
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1RB_99	21350/2560	1:1	0.077	-0.03	18.25	19.20	1.245	0.096	22.1
Back side	20	QPSK 1RB_99	21350/2560	1:1	0.199	0.01	18.25	19.20	1.245	**0.248**	22.1
Back side	20	PCC QPSK 1RB@0	21350/2560	1:1	0.180	0.16	17.82	19.20	1.374	0.247	22.1
	20	SCC QPSK 0RB@0	21152/2540.2	1:1							
Left side	20	QPSK 1RB_99	21350/2560	1:1	0.072	0.02	18.25	19.20	1.245	0.089	22.1
Right side	20	QPSK 1RB_99	21350/2560	1:1	0.022	-0.01	18.25	19.20	1.245	0.028	22.1
Top side	20	QPSK 1RB_99	21350/2560	1:1	0.151	0.02	18.25	19.20	1.245	0.188	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_50	21350/2560	1:1	0.055	-0.07	17.79	19.20	1.384	0.076	22.1
Back side	20	QPSK 50RB_50	21350/2560	1:1	0.188	-0.02	17.79	19.20	1.384	0.260	22.1
Left side	20	QPSK 50RB_50	21350/2560	1:1	0.071	-0.02	17.79	19.20	1.384	0.098	22.1
Right side	20	QPSK 50RB_50	21350/2560	1:1	0.022	0.08	17.79	19.20	1.384	0.031	22.1
Top side	20	QPSK 50RB_50	21350/2560	1:1	0.135	0.10	17.79	19.20	1.384	0.187	22.1
Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Back side	20	QPSK 1RB_99	21350/2560	1:1	0.196	-0.06	18.25	19.20	1.245	0.244	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Back side	20	QPSK 1RB_99	21350/2560	1:1	0.179	-0.04	18.25	19.20	1.245	0.223	22.1

Table 27：SAR of LTE Band 7 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 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 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)											
Left cheek	10	QPSK 1RB_49	23130/711	1:1	0.128	0.03	24.18	25.50	1.355	0.173	22.1
Left tilted	10	QPSK 1RB_49	23130/711	1:1	0.078	0.06	24.18	25.50	1.355	0.106	22.1
Right cheek	10	QPSK 1RB_49	23130/711	1:1	0.166	0.19	24.18	25.50	1.355	**0.225**	22.1
Right tilted	10	QPSK 1RB_49	23130/711	1:1	0.093	0.02	24.18	25.50	1.355	0.126	22.1
Head Test data(50%RB)											
Left cheek	10	QPSK 25RB_25	23130/711	1:1	0.083	0.04	22.64	24.00	1.368	0.113	22.1
Left tilted	10	QPSK 25RB_25	23130/711	1:1	0.048	0.07	22.64	24.00	1.368	0.066	22.1
Right cheek	10	QPSK 25RB_25	23130/711	1:1	0.106	0.06	22.64	24.00	1.368	0.145	22.1
Right tilted	10	QPSK 25RB_25	23130/711	1:1	0.051	0.06	22.64	24.00	1.368	0.070	22.1
Head Test Data at the worst case with SIM2											
Right cheek	10	QPSK 1RB_49	23130/711	1:1	0.151	0.07	24.18	25.50	1.355	0.205	22.1
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK 1RB_49	23130/711	1:1	0.164	0.06	24.18	25.50	1.355	0.222	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	10	QPSK 1RB_49	23130/711	1:1	0.206	0.01	24.18	25.50	1.355	0.279	22.1
Back side	10	QPSK 1RB_49	23130/711	1:1	0.247	-0.04	24.18	25.50	1.355	0.335	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	10	QPSK 25RB_25	23130/711	1:1	0.141	0.09	22.64	24.00	1.368	0.193	22.1
Back side	10	QPSK 25RB_25	23130/711	1:1	0.171	-0.07	22.64	24.00	1.368	0.234	22.1
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	10	QPSK 1RB_49	23130/711	1:1	0.227	-0.02	24.18	25.50	1.355	0.308	22.1
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)											
Back side	10	QPSK 1RB_49	23130/711	1:1	0.249	0.12	24.18	25.50	1.355	**0.337**	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	10	QPSK 1RB_49	23130/711	1:1	0.202	-0.03	24.18	25.50	1.355	0.274	22.1
Back side	10	QPSK 1RB_49	23130/711	1:1	0.319	0.03	24.18	25.50	1.355	0.432	22.1
Left side	10	QPSK 1RB_49	23130/711	1:1	0.116	0.02	24.18	25.50	1.355	0.157	22.1
Right side	10	QPSK 1RB_49	23130/711	1:1	0.327	0.06	24.18	25.50	1.355	**0.443**	22.1
Bottom side	10	QPSK 1RB_49	23130/711	1:1	0.143	0.09	24.18	25.50	1.355	0.194	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25RB_25	23130/711	1:1	0.146	-0.02	22.64	24.00	1.368	0.200	22.1
Back side	10	QPSK 25RB_25	23130/711	1:1	0.214	-0.06	22.64	24.00	1.368	0.293	22.1
Left side	10	QPSK 25RB_25	23130/711	1:1	0.084	-0.01	22.64	24.00	1.368	0.115	22.1
Right side	10	QPSK 25RB_25	23130/711	1:1	0.242	-0.02	22.64	24.00	1.368	0.331	22.1
Bottom side	10	QPSK 25RB_25	23130/711	1:1	0.099	-0.07	22.64	24.00	1.368	0.135	22.1
Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Right side	10	QPSK 1RB_49	23130/711	1:1	0.314	0.06	24.18	25.50	1.355	0.426	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Right side	10	QPSK 1RB_49	23130/711	1:1	0.326	-0.03	24.18	25.50	1.355	0.442	22.1

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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)											
Left cheek	10	QPSK 1RB_0	23095/707.5	1:1	0.296	0.05	20.32	21.50	1.312	0.388	22.1
Left tilted	10	QPSK 1RB_0	23095/707.5	1:1	0.249	0.04	20.32	21.50	1.312	0.327	22.1
Right cheek	10	QPSK 1RB_0	23095/707.5	1:1	0.399	-0.04	20.32	21.50	1.312	**0.524**	22.1
Right tilted	10	QPSK 1RB_0	23095/707.5	1:1	0.306	0.02	20.32	21.50	1.312	0.402	22.1
Head Test data(50%RB)											
Left cheek	10	QPSK 25RB_0	23095/707.5	1:1	0.262	0.08	20.25	21.50	1.334	0.349	22.1
Left tilted	10	QPSK 25RB_0	23095/707.5	1:1	0.223	-0.01	20.25	21.50	1.334	0.297	22.1
Right cheek	10	QPSK 25RB_0	23095/707.5	1:1	0.281	0.07	20.25	21.50	1.334	0.375	22.1
Right tilted	10	QPSK 25RB_0	23095/707.5	1:1	0.277	0.03	20.25	21.50	1.334	0.369	22.1
Head Test Data at the worst case with SIM2											
Right cheek	10	QPSK 1RB_0	23095/707.5	1:1	0.330	0.02	20.32	21.50	1.312	0.433	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK 1RB_0	23095/707.5	1:1	0.337	-0.05	20.32	21.50	1.312	0.442	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	10	QPSK 1RB_0	23095/707.5	1:1	0.049	0.01	20.32	21.50	1.312	0.065	22.1
Back side	10	QPSK 1RB_0	23095/707.5	1:1	0.080	0.03	20.32	21.50	1.312	**0.105**	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	10	QPSK 25RB_0	23095/707.5	1:1	0.043	-0.08	20.25	21.50	1.334	0.058	22.1
Back side	10	QPSK 25RB_0	23095/707.5	1:1	0.054	-0.03	20.25	21.50	1.334	0.072	22.1
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	10	QPSK 1RB_0	23095/707.5	1:1	0.062	-0.08	20.32	21.50	1.312	0.081	22.3
Body worn Test data at the worst case with Battery 2#(Separate 15mm)											
Back side	10	QPSK 1RB_0	23095/707.5	1:1	0.0486	0.13	20.32	21.50	1.312	0.064	22.1
Hotspot Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1RB_0	23095/707.5	1:1	0.094	0.08	20.32	21.50	1.312	0.124	22.1
Back side	10	QPSK 1RB_0	23095/707.5	1:1	0.144	0.02	20.32	21.50	1.312	**0.189**	22.1
Left side	10	QPSK 1RB_0	23095/707.5	1:1	0.042	0.10	20.32	21.50	1.312	0.055	22.1
Right side	10	QPSK 1RB_0	23095/707.5	1:1	0.007	0.05	20.32	21.50	1.312	0.010	22.1
Top side	10	QPSK 1RB_0	23095/707.5	1:1	0.079	0.17	20.32	21.50	1.312	0.103	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25RB_0	23095/707.5	1:1	0.083	0.17	20.25	21.50	1.334	0.111	22.1
Back side	10	QPSK 25RB_0	23095/707.5	1:1	0.128	-0.05	20.25	21.50	1.334	0.171	22.1
Left side	10	QPSK 25RB_0	23095/707.5	1:1	0.039	-0.09	20.25	21.50	1.334	0.051	22.1
Right side	10	QPSK 25RB_0	23095/707.5	1:1	0.006	0.01	20.25	21.50	1.334	0.008	22.1
Top side	10	QPSK 25RB_0	23095/707.5	1:1	0.070	-0.08	20.25	21.50	1.334	0.093	22.1
Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Back side	10	QPSK 1RB_0	23095/707.5	1:1	0.144	0.07	20.32	21.50	1.312	0.189	22.3
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Back side	10	QPSK 1RB_0	23095/707.5	1:1	0.107	0.02	20.32	21.50	1.312	0.140	22.1

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.
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 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)											
Left cheek	10	QPSK 1RB_49	23780/709	1:1	0.123	0.02	24.20	25.50	1.349	0.166	22.1
Left tilted	10	QPSK 1RB_49	23780/709	1:1	0.072	0.02	24.20	25.50	1.349	0.097	22.1
Right cheek	10	QPSK 1RB_49	23780/709	1:1	0.148	0.04	24.20	25.50	1.349	0.200	22.1
Right tilted	10	QPSK 1RB_49	23780/709	1:1	0.071	0.09	24.20	25.50	1.349	0.096	22.1
Head Test data(50%RB)											
Left cheek	10	QPSK 25RB_25	23790/710	1:1	0.082	0.08	22.64	24.00	1.368	0.113	22.1
Left tilted	10	QPSK 25RB_25	23790/710	1:1	0.049	0.03	22.64	24.00	1.368	0.067	22.1
Right cheek	10	QPSK 25RB_25	23790/710	1:1	0.101	0.09	22.64	24.00	1.368	0.138	22.1
Right tilted	10	QPSK 25RB_25	23790/710	1:1	0.050	0.04	22.64	24.00	1.368	0.069	22.1
Head Test Data at the worst case with SIM2											
Right cheek	10	QPSK 1RB_49	23780/709	1:1	0.148	0.06	24.20	25.50	1.349	0.200	22.1
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK 1RB_49	23780/709	1:1	0.159	0.08	24.20	25.50	1.349	**0.214**	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	10	QPSK 1RB_49	23780/709	1:1	0.196	0.02	24.20	25.50	1.349	0.264	22.1
Back side	10	QPSK 1RB_49	23780/709	1:1	0.240	0.04	24.20	25.50	1.349	0.324	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	10	QPSK 25RB_25	23790/710	1:1	0.141	-0.01	22.64	24.00	1.368	0.193	22.1
Back side	10	QPSK 25RB_25	23790/710	1:1	0.170	-0.03	22.64	24.00	1.368	0.233	22.1
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	10	QPSK 1RB_49	23780/709	1:1	0.224	-0.08	24.20	25.50	1.349	0.302	22.1
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)											
Back side	10	QPSK 1RB_49	23780/709	1:1	0.246	0.02	24.20	25.50	1.349	**0.332**	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	10	QPSK 1RB_49	23780/709	1:1	0.204	0.02	24.20	25.50	1.349	0.275	22.1
Back side	10	QPSK 1RB_49	23780/709	1:1	0.272	0.02	24.20	25.50	1.349	0.367	22.1
Left side	10	QPSK 1RB_49	23780/709	1:1	0.172	0.00	24.20	25.50	1.349	0.232	22.1
Right side	10	QPSK 1RB_49	23780/709	1:1	0.320	0.12	24.20	25.50	1.349	**0.432**	22.1
Bottom side	10	QPSK 1RB_49	23780/709	1:1	0.138	0.04	24.20	25.50	1.349	0.186	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25RB_25	23790/710	1:1	0.147	0.01	22.64	24.00	1.368	0.201	22.1
Back side	10	QPSK 25RB_25	23790/710	1:1	0.194	-0.08	22.64	24.00	1.368	0.265	22.1
Left side	10	QPSK 25RB_25	23790/710	1:1	0.084	0.05	22.64	24.00	1.368	0.115	22.1
Right side	10	QPSK 25RB_25	23790/710	1:1	0.199	-0.03	22.64	24.00	1.368	0.272	22.1
Bottom side	10	QPSK 25RB_25	23790/710	1:1	0.097	-0.08	22.64	24.00	1.368	0.133	22.1
Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Right side	10	QPSK 1RB_49	23780/709	1:1	0.280	0.05	24.20	25.50	1.349	0.378	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Right side	10	QPSK 1RB_49	23780/709	1:1	0.319	0.07	24.20	25.50	1.349	0.430	22.1

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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)											
Left cheek	10	QPSK 1RB_0	23800/711	1:1	0.228	0.09	19.81	21.00	1.315	0.300	22.1
Left tilted	10	QPSK 1RB_0	23800/711	1:1	0.195	0.04	19.81	21.00	1.315	0.256	22.1
Right cheek	10	QPSK 1RB_0	23800/711	1:1	0.232	0.01	19.81	21.00	1.315	0.305	22.1
Right tilted	10	QPSK 1RB_0	23800/711	1:1	0.261	0.03	19.81	21.00	1.315	**0.343**	22.1
Head Test data(50%RB)											
Left cheek	10	QPSK 25RB_0	23790/710	1:1	0.216	0.02	19.81	21.00	1.315	0.284	22.1
Left tilted	10	QPSK 25RB_0	23790/710	1:1	0.183	0.18	19.81	21.00	1.315	0.241	22.1
Right cheek	10	QPSK 25RB_0	23790/710	1:1	0.221	0.04	19.81	21.00	1.315	0.291	22.1
Right tilted	10	QPSK 25RB_0	23790/710	1:1	0.224	0.02	19.81	21.00	1.315	0.295	22.1
Head Test Data at the worst case with SIM2											
Right tilted	10	QPSK 1RB_0	23800/711	1:1	0.237	0.12	19.81	21.00	1.315	0.312	22.1
Head Test Data at the worst case with Battery 2#											
Right tilted	10	QPSK 1RB_0	23800/711	1:1	0.253	0.01	19.81	21.00	1.315	0.333	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	10	QPSK 1RB_0	23790/710	1:1	0.094	0.01	24.29	25.50	1.321	0.125	22.1
Back side	10	QPSK 1RB_0	23790/710	1:1	0.130	0.14	24.29	25.50	1.321	**0.172**	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	10	QPSK 25RB_0	23780/709	1:1	0.070	-0.13	22.73	24.50	1.503	0.105	22.1
Back side	10	QPSK 25RB_0	23780/709	1:1	0.084	0.12	22.73	24.50	1.503	0.127	22.1
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	10	QPSK 1RB_0	23790/710	1:1	0.114	-0.16	24.29	25.50	1.321	0.151	22.1
Body worn Test data at the worst case with Battery 2#(Separate 15mm)											
Front side	10	QPSK 1RB_0	23790/710	1:1	0.108	0.03	24.29	25.50	1.321	0.143	22.1
Hotspot Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1RB_0	23790/710	1:1	0.202	0.08	24.29	25.50	1.321	0.267	22.1
Back side	10	QPSK 1RB_0	23790/710	1:1	0.299	0.01	24.29	25.50	1.321	**0.395**	22.1
Left side	10	QPSK 1RB_0	23790/710	1:1	0.095	0.08	24.29	25.50	1.321	0.125	22.1
Right side	10	QPSK 1RB_0	23790/710	1:1	0.019	0.01	24.29	25.50	1.321	0.025	22.1
Top side	10	QPSK 1RB_0	23790/710	1:1	0.168	0.02	24.29	25.50	1.321	0.222	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25RB_0	23780/709	1:1	0.133	0.11	22.73	24.50	1.503	0.200	22.1
Back side	10	QPSK 25RB_0	23780/709	1:1	0.199	-0.02	22.73	24.50	1.503	0.299	22.1
Left side	10	QPSK 25RB_0	23780/709	1:1	0.053	-0.09	22.73	24.50	1.503	0.080	22.1
Right side	10	QPSK 25RB_0	23780/709	1:1	0.012	-0.07	22.73	24.50	1.503	0.018	22.1
Top side	10	QPSK 25RB_0	23780/709	1:1	0.111	0.11	22.73	24.50	1.503	0.167	22.1
Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Back side	10	QPSK 1RB_0	23790/710	1:1	0.270	-0.09	24.29	25.50	1.321	0.357	22.3
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Back side	10	QPSK 1RB_0	23790/710	1:1	0.237	0.01	24.29	25.50	1.321	0.313	22.1

Table 29：SAR of LTE Band 17 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 26

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)											
Left cheek	15	QPSK 1RB_38	26865/831.5	1:1	0.172	0.07	24.05	25.50	1.396	0.240	22.1
Left tilted	15	QPSK 1RB_38	26865/831.5	1:1	0.100	-0.10	24.05	25.50	1.396	0.139	22.1
Right cheek	15	QPSK 1RB_38	26865/831.5	1:1	0.219	0.13	24.05	25.50	1.396	**0.306**	22.1
Right tilted	15	QPSK 1RB_38	26865/831.5	1:1	0.086	-0.03	24.05	25.50	1.396	0.121	22.1
Head Test data(50%RB)											
Left cheek	15	QPSK 36RB_0	26865/831.5	1:1	0.110	0.02	22.84	24.50	1.466	0.161	22.1
Left tilted	15	QPSK 36RB_0	26865/831.5	1:1	0.066	-0.14	22.84	24.50	1.466	0.096	22.1
Right cheek	15	QPSK 36RB_0	26865/831.5	1:1	0.147	0.05	22.84	24.50	1.466	0.215	22.1
Right tilted	15	QPSK 36RB_0	26865/831.5	1:1	0.065	-0.01	22.84	24.50	1.466	0.095	22.1
Head Test Data at the worst case with SIM2											
Right cheek	15	QPSK 1RB_38	26865/831.5	1:1	0.201	0.05	24.05	25.50	1.396	0.281	22.1
Head Test Data at the worst case with Battery 2#											
Right cheek	15	QPSK 1RB_38	26865/831.5	1:1	0.196	-0.07	24.05	25.50	1.396	0.274	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	15	QPSK 1RB_38	26865/831.5	1:1	0.214	-0.18	24.05	25.50	1.396	0.299	22.1
Back side	15	QPSK 1RB_38	26865/831.5	1:1	0.246	0.05	24.05	25.50	1.396	**0.344**	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	15	QPSK 36RB_0	26865/831.5	1:1	0.147	-0.04	22.84	24.50	1.466	0.215	22.1
Back side	15	QPSK 36RB_0	26865/831.5	1:1	0.169	0.02	22.84	24.50	1.466	0.248	22.1
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	20	QPSK 36RB_0	26865/831.5	1:1	0.231	0.09	24.05	25.50	1.396	0.323	22.1
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)											
Back side	15	QPSK 36RB_0	26865/831.5	1:1	0.204	-0.09	24.05	25.50	1.396	0.285	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	15	QPSK 1RB_38	26865/831.5	1:1	0.196	-0.06	24.05	25.50	1.396	0.274	22.1
Back side	15	QPSK 1RB_38	26865/831.5	1:1	0.396	0.04	24.05	25.50	1.396	0.553	22.1
Left side	15	QPSK 1RB_38	26865/831.5	1:1	0.067	-0.04	24.05	25.50	1.396	0.093	22.1
Right side	15	QPSK 1RB_38	26865/831.5	1:1	0.019	-0.04	24.05	25.50	1.396	0.026	22.1
Bottom side	15	QPSK 1RB_38	26865/831.5	1:1	0.239	0.06	24.05	25.50	1.396	0.334	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	15	QPSK 36RB_0	26865/831.5	1:1	0.130	-0.07	22.84	24.50	1.466	0.191	22.1
Back side	15	QPSK 36RB_0	26865/831.5	1:1	0.265	0.04	22.84	24.50	1.466	0.388	22.1
Left side	15	QPSK 36RB_0	26865/831.5	1:1	0.044	-0.07	22.84	24.50	1.466	0.065	22.1
Right side	15	QPSK 36RB_0	26865/831.5	1:1	0.012	0.00	22.84	24.50	1.466	0.018	22.1
Bottom side	15	QPSK 36RB_0	26865/831.5	1:1	0.157	0.01	22.84	24.50	1.466	0.230	22.1
Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Back side	20	QPSK 1RB_38	26865/831.5	1:1	0.231	0.04	24.05	25.50	1.396	0.323	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Back side	15	QPSK 1RB_38	26865/831.5	1:1	0.397	0.04	24.05	25.50	1.396	**0.554**	22.1

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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)											
Left cheek	15	QPSK 1RB_0	26865/831.5	1:1	0.231	0.00	18.90	20.00	1.288	0.298	22.1
Left tilted	15	QPSK 1RB_0	26865/831.5	1:1	0.197	-0.05	18.90	20.00	1.288	0.254	22.1
Right cheek	15	QPSK 1RB_0	26865/831.5	1:1	0.275	-0.07	18.90	20.00	1.288	0.354	22.1
Right tilted	15	QPSK 1RB_0	26865/831.5	1:1	0.229	0.02	18.90	20.00	1.288	0.295	22.1
Head Test data(50%RB)											
Left cheek	15	QPSK 36RB_0	26965/841.5	1:1	0.320	0.09	18.91	20.00	1.285	**0.411**	22.1
Left tilted	15	QPSK 36RB_0	26965/841.5	1:1	0.285	0.12	18.91	20.00	1.285	0.366	22.1
Right cheek	15	QPSK 36RB_0	26965/841.5	1:1	0.288	-0.06	18.91	20.00	1.285	0.370	22.1
Right tilted	15	QPSK 36RB_0	26965/841.5	1:1	0.240	0.11	18.91	20.00	1.285	0.308	22.1
Head Test Data at the worst case with SIM2											
Left cheek	15	QPSK 36RB_0	26965/841.5	1:1	0.258	-0.07	18.91	20.00	1.285	0.332	22.1
Head Test Data at the worst case with Battery 2#											
Left cheek	15	QPSK 36RB_0	26965/841.5	1:1	0.308	0.04	18.91	20.00	1.285	0.396	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	15	QPSK 1RB_0	26775/822.5	1:1	0.109	0.19	24.16	25.50	1.361	0.148	22.1
Back side	15	QPSK 1RB_0	26775/822.5	1:1	0.087	0.16	24.16	25.50	1.361	0.118	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	15	QPSK 36RB_0	26775/822.5	1:1	0.069	-0.01	22.69	24.50	1.517	0.105	22.1
Back side	15	QPSK 36RB_0	26775/822.5	1:1	0.069	-0.19	22.69	24.50	1.517	0.104	22.1
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Front side	15	QPSK 1RB_0	26775/822.5	1:1	0.110	-0.06	24.16	25.50	1.361	**0.150**	22.1
Body worn Test data at the worst case with Battery 2#(Separate 15mm)											
Front side	15	QPSK 1RB_0	26775/822.5	1:1	0.104	0.02	24.16	25.50	1.361	0.142	22.1
Hotspot Test data (Separate 10mm 1RB)											
Front side	15	QPSK 1RB_0	26775/822.5	1:1	0.161	0.14	24.16	25.50	1.361	0.219	22.1
Back side	15	QPSK 1RB_0	26775/822.5	1:1	0.189	-0.14	24.16	25.50	1.361	0.257	22.1
Left side	15	QPSK 1RB_0	26775/822.5	1:1	0.072	-0.15	24.16	25.50	1.361	0.097	22.1
Right side	15	QPSK 1RB_0	26775/822.5	1:1	0.016	-0.08	24.16	25.50	1.361	0.022	22.1
Top side	15	QPSK 1RB_0	26775/822.5	1:1	0.171	0.03	24.16	25.50	1.361	0.233	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	15	QPSK 36RB_0	26775/822.5	1:1	0.128	-0.02	22.69	24.50	1.517	0.194	22.1
Back side	15	QPSK 36RB_0	26775/822.5	1:1	0.151	-0.05	22.69	24.50	1.517	0.229	22.1
Left side	15	QPSK 36RB_0	26775/822.5	1:1	0.057	-0.10	22.69	24.50	1.517	0.087	22.1
Right side	15	QPSK 36RB_0	26775/822.5	1:1	0.013	-0.07	22.69	24.50	1.517	0.019	22.1
Top side	15	QPSK 36RB_0	26775/822.5	1:1	0.170	0.09	22.69	24.50	1.517	0.258	22.1
Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Top side	15	QPSK 36RB_0	26775/822.5	1:1	0.192	0.07	22.69	24.50	1.517	**0.291**	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Top side	15	QPSK 36RB_0	26775/822.5	1:1	0.096	-0.10	22.69	24.50	1.517	0.145	22.1

Table 30：SAR of LTE Band 26 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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8.3.7 SAR Result Of LTE Band 38

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)											
Left cheek	20	QPSK 1RB_99	38000/2595	1:1.58	0.060	0.04	23.89	25.20	1.352	0.081	22.1
Left tilted	20	QPSK 1RB_99	38000/2595	1:1.58	0.218	0.08	23.89	25.20	1.352	**0.295**	22.1
Left tilted	20	PCC QPSK 18RB@0	37850/2580	1:1.58	0.198	0.15	23.96	25.20	1.330	0.263	22.1
	20	SCC QPSK 0RB@0	38048/2599.8	1:1.58							
Right cheek	20	QPSK 1RB_99	38000/2595	1:1.58	0.103	0.14	23.89	25.20	1.352	0.139	22.1
Right tilted	20	QPSK 1RB_99	38000/2595	1:1.58	0.117	0.06	23.89	25.20	1.352	0.158	22.1
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_0	38000/2595	1:1.58	0.039	0.12	22.83	24.20	1.371	0.053	22.1
Left tilted	20	QPSK 50RB_0	38000/2595	1:1.58	0.172	0.01	22.83	24.20	1.371	0.236	22.1
Right cheek	20	QPSK 50RB_0	38000/2595	1:1.58	0.072	0.10	22.83	24.20	1.371	0.099	22.1
Right tilted	20	QPSK 50RB_0	38000/2595	1:1.58	0.110	0.03	22.83	24.20	1.371	0.151	22.1
Head Test Data at the worst case with SIM2											
Left tilted	20	QPSK 1RB_99	38000/2595	1:1.58	0.210	0.09	23.89	25.20	1.352	0.284	22.1
Head Test Data at the worst case with Battery 2#											
Left tilted	20	QPSK 1RB_99	38000/2595	1:1.58	0.173	0.06	23.89	25.20	1.352	0.234	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_99	38000/2595	1:1.58	0.213	-0.01	23.89	25.20	1.352	0.288	22.1
Back side	20	QPSK 1RB_99	38000/2595	1:1.58	0.301	0.05	23.89	25.20	1.352	**0.407**	22.1
Back side	20	PCC QPSK 18RB@0	37850/2580	1:1.58	0.239	0.070	23.96	25.20	1.330	0.318	22.1
	20	SCC QPSK 0RB@0	38048/2599.8	1:1.58							
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	38000/2595	1:1.58	0.167	-0.06	22.83	24.20	1.371	0.229	22.1
Back side	20	QPSK 50RB_0	38000/2595	1:1.58	0.206	-0.08	22.83	24.20	1.371	0.282	22.1
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	20	QPSK 1RB_99	38000/2595	1:1.58	0.296	0.08	23.89	25.20	1.352	0.400	22.1
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)											
Back side	20	QPSK 1RB_99	38000/2595	1:1.58	0.218	-0.07	23.89	25.20	1.352	0.295	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1RB_99	38000/2595	1:1.58	0.275	0.09	22.52	23.70	1.312	0.361	22.1
Back side	20	QPSK 1RB_99	38000/2595	1:1.58	0.348	0.08	22.52	23.70	1.312	0.457	22.1
Left side	20	QPSK 1RB_99	38000/2595	1:1.58	0.154	-0.16	22.52	23.70	1.312	0.202	22.1
Right side	20	QPSK 1RB_99	38000/2595	1:1.58	0.129	0.09	22.52	23.70	1.312	0.169	22.1
Bottom side	20	QPSK 1RB_99	38000/2595	1:1.58	0.391	-0.09	22.52	23.70	1.312	0.513	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	38150/2610	1:1.58	0.285	0.13	22.31	23.70	1.377	0.393	22.1
Back side	20	QPSK 50RB_0	38150/2610	1:1.58	0.346	0.13	22.31	23.70	1.377	0.477	22.1
Left side	20	QPSK 50RB_0	38150/2610	1:1.58	0.155	-0.07	22.31	23.70	1.377	0.213	22.1
Right side	20	QPSK 50RB_0	38150/2610	1:1.58	0.13	0.05	22.31	23.70	1.377	0.179	22.1
Bottom side	20	QPSK 50RB_0	38150/2610	1:1.58	0.393	-0.04	22.31	23.70	1.377	**0.541**	22.1
Bottom side	20	PCC QPSK 18RB@0	38150/2610	1:1.58	0.340	-0.060	22.25	23.70	1.396	0.475	22.1
	20	SCC QPSK 0RB@0	37952/2590.2	1:1.58							

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Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Bottom side	20	QPSK 50RB_0	38150/2610	1:1.58	0.392	-0.06	22.31	23.70	1.377	0.540	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Bottom side	20	QPSK 50RB_0	38150/2610	1:1.58	0.321	0.01	22.31	23.70	1.377	0.442	22.1
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)											
Left cheek	20	QPSK 1RB_50	38000/2595	1:1.58	0.132	0.07	17.95	19.20	1.334	0.176	22.1
Left tilted	20	QPSK 1RB_50	38000/2595	1:1.58	0.148	0.11	17.95	19.20	1.334	0.197	22.1
Right cheek	20	QPSK 1RB_50	38000/2595	1:1.58	0.259	0.02	17.95	19.20	1.334	0.345	22.1
Right tilted	20	QPSK 1RB_50	38000/2595	1:1.58	0.315	0.08	17.95	19.20	1.334	0.420	22.1
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_0	38000/2595	1:1.58	0.138	0.11	17.92	19.20	1.343	0.185	22.1
Left tilted	20	QPSK 50RB_0	38000/2595	1:1.58	0.155	0.12	17.92	19.20	1.343	0.208	22.1
Right cheek	20	QPSK 50RB_0	38000/2595	1:1.58	0.279	0.01	17.92	19.20	1.343	0.375	22.1
Right tilted	20	QPSK 50RB_0	38000/2595	1:1.58	0.328	0.03	17.92	19.20	1.343	**0.440**	22.1
Right tilted	20	PCC QPSK 1RB@0	37850/2580	1:1.58	0.222	0.13	18.06	19.20	1.300	0.289	22.1
	20	SCC QPSK 0RB@0	38048/2599.8	1:1.58							
Head Test Data at the worst case with SIM2											
Right tilted	20	QPSK 50RB_0	38000/2595	1:1.58	0.257	0.11	17.92	19.20	1.343	0.345	22.1
Head Test Data at the worst case with Battery 2#											
Right tilted	20	QPSK 50RB_0	38000/2595	1:1.58	0.272	0.13	17.92	19.20	1.343	0.365	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_99	38000/2595	1:1.58	0.078	0.07	22.44	23.70	1.337	0.104	22.1
Back side	20	QPSK 1RB_99	38000/2595	1:1.58	0.169	0.12	22.44	23.70	1.337	0.226	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	38150/2610	1:1.58	0.078	0.05	22.40	23.70	1.349	0.105	22.1
Back side	20	QPSK 50RB_0	38150/2610	1:1.58	0.172	-0.05	22.40	23.70	1.349	**0.232**	22.1
Back side	20	PCC QPSK 18RB@0	38150/2610	1:1.58	0.168	0.100	22.31	23.70	1.377	0.231	22.1
	20	SCC QPSK 0RB@0	37952/2590.2	1:1.58							
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	20	QPSK 50RB_0	38150/2610	1:1	0.168	0.09	22.40	23.70	1.349	0.227	22.1
Body worn Test data at the worst case with Battery 2#(Separate 15mm)											
Back side	20	QPSK 50RB_0	38000/2595	1:1.58	0.169	0.02	22.40	23.70	1.349	0.228	22.1
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1RB_99	37850/2580	1:1.58	0.078	-0.04	19.90	21.20	1.349	0.105	22.1
Back side	20	QPSK 1RB_99	37850/2580	1:1.58	0.209	-0.01	19.90	21.20	1.349	**0.282**	22.1
Back side	20	PCC QPSK 1RB@0	37850/2580	1:1.58	0.207	-0.050	20.05	21.20	1.303	0.270	22.1
	20	SCC QPSK 0RB@0	38048/2599.8	1:1.58							
Left side	20	QPSK 1RB_99	37850/2580	1:1.58	0.062	0.02	19.90	21.20	1.349	0.083	22.1
Right side	20	QPSK 1RB_99	37850/2580	1:1.58	0.018	-0.08	19.90	21.20	1.349	0.024	22.1
Top side	20	QPSK 1RB_99	37850/2580	1:1.58	0.197	0.05	19.90	21.20	1.349	0.266	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	37850/2580	1:1.58	0.075	-0.05	19.97	21.20	1.327	0.099	22.1
Back side	20	QPSK 50RB_0	37850/2580	1:1.58	0.192	0.00	19.97	21.20	1.327	0.255	22.1

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Left side	20	QPSK 50RB_0	37850/2580	1:1.58	0.060	-0.02	19.97	21.20	1.327	0.079	22.1
Right side	20	QPSK 50RB_0	37850/2580	1:1.58	0.019	-0.09	19.97	21.20	1.327	0.025	22.1
Top side	20	QPSK 50RB_0	37850/2580	1:1.58	0.165	0.10	19.97	21.20	1.327	0.219	22.1
Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Back side	20	QPSK 1RB_99	37850/2580	1:1.58	0.206	0.01	19.90	21.20	1.349	0.278	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Back side	20	QPSK 1RB_99	37850/2580	1:1.58	0.186	0.09	19.90	21.20	1.349	0.251	22.1

Table 31：SAR of LTE Band 38 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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8.3.8 SAR Result Of LTE Band 41

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)											
Left cheek	20	QPSK 1RB_99	40620/2593	1:1.58	0.057	0.12	23.90	25.20	1.349	0.077	22.1
Left tilted	20	QPSK 1RB_99	40620/2593	1:1.58	0.216	0.09	23.90	25.20	1.349	**0.291**	22.1
Left tilted	20	PCC QPSK 18RB@0	40620/2593	1:1.58	0.212	-0.06	23.88	25.20	1.355	0.287	22.1
	20	SCC QPSK 0RB@0	40818/2612.8	1:1.58							
Right cheek	20	QPSK 1RB_99	40620/2593	1:1.58	0.133	0.15	23.90	25.20	1.349	0.179	22.1
Right tilted	20	QPSK 1RB_99	40620/2593	1:1.58	0.093	0.15	23.90	25.20	1.349	0.125	22.1
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_0	41490/2680	1:1.58	0.050	0.00	22.68	24.20	1.419	0.070	22.1
Left tilted	20	QPSK 50RB_0	41490/2680	1:1.58	0.121	-0.14	22.68	24.20	1.419	0.172	22.1
Right cheek	20	QPSK 50RB_0	41490/2680	1:1.58	0.084	0.06	22.68	24.20	1.419	0.120	22.1
Right tilted	20	QPSK 50RB_0	41490/2680	1:1.58	0.079	0.01	22.68	24.20	1.419	0.112	22.1
Head Test Data at the worst case with SIM2											
Left tilted	20	QPSK 1RB_99	40620/2593	1:1.58	0.204	0.05	23.90	25.20	1.349	0.275	22.1
Head Test Data at the worst case with Battery 2#											
Left tilted	20	QPSK 1RB_99	40620/2593	1:1.58	0.174	-0.11	23.90	25.20	1.349	0.235	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_99	40620/2593	1:1.58	0.200	-0.01	23.90	25.20	1.349	0.270	22.1
Back side	20	QPSK 1RB_99	40620/2593	1:1.58	0.250	-0.02	23.90	25.20	1.349	**0.337**	22.1
Back side	20	PCC QPSK 18RB@0	40620/2593	1:1.58	0.238	0.16	23.88	25.20	1.355	0.323	22.1
	20	SCC QPSK 0RB@0	40818/2612.8	1:1.58							
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	41490/2680	1:1.58	0.145	0.04	22.68	24.20	1.419	0.206	22.1
Back side	20	QPSK 50RB_0	41490/2680	1:1.58	0.176	0.06	22.68	24.20	1.419	0.250	22.1
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	20	QPSK 1RB_99	40620/2593	1:1.58	0.184	-0.01	23.90	25.20	1.349	0.248	22.1
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)											
Back side	20	QPSK 1RB_99	40620/2593	1:1.58	0.177	0.10	23.90	25.20	1.349	0.239	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1RB_99	39750/2506	1:1.58	0.286	0.01	22.26	23.70	1.393	0.398	22.1
Back side	20	QPSK 1RB_99	39750/2506	1:1.58	0.377	0.00	22.26	23.70	1.393	0.525	22.1
Left side	20	QPSK 1RB_99	39750/2506	1:1.58	0.201	0.02	22.26	23.70	1.393	0.280	22.1
Right side	20	QPSK 1RB_99	39750/2506	1:1.58	0.060	0.04	22.26	23.70	1.393	0.083	22.1
Bottom side	20	QPSK 1RB_99	39750/2506	1:1.58	0.404	-0.05	22.26	23.70	1.393	0.563	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_50	40620/2593	1:1.58	0.280	-0.07	22.24	23.70	1.400	0.392	22.1
Back side	20	QPSK 50RB_50	40620/2593	1:1.58	0.339	-0.04	22.24	23.70	1.400	0.474	22.1
Left side	20	QPSK 50RB_50	40620/2593	1:1.58	0.156	0.11	22.24	23.70	1.400	0.218	22.1
Right side	20	QPSK 50RB_50	40620/2593	1:1.58	0.111	0.02	22.24	23.70	1.400	0.155	22.1
Bottom side	20	QPSK 50RB_50	40620/2593	1:1.58	0.428	0.00	22.24	23.70	1.400	**0.599**	22.1
Bottom side	20	PCC QPSK 18RB@0	40620/2593	1:1.58	0.346	-0.03	21.97	23.70	1.489	0.515	22.1
	20	SCC QPSK 0RB@0	40818/2612.8	1:1.58							

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Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Bottom side	20	QPSK 50RB_50	40620/2593	1:1.58	0.415	-0.04	22.24	23.70	1.400	0.581	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Bottom side	20	QPSK 50RB_50	40620/2593	1:1.58	0.357	-0.01	22.24	23.70	1.400	0.500	22.1
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)											
Left cheek	20	QPSK 1RB_50	41055/2636.5	1:1.58	0.141	0.07	18.99	20.20	1.321	0.186	22.1
Left tilted	20	QPSK 1RB_50	41055/2636.5	1:1.58	0.143	0.14	18.99	20.20	1.321	0.189	22.1
Right cheek	20	QPSK 1RB_50	41055/2636.5	1:1.58	0.267	0.16	18.99	20.20	1.321	0.353	22.1
Right tilted	20	QPSK 1RB_50	41055/2636.5	1:1.58	0.288	0.15	18.99	20.20	1.321	0.381	22.1
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.151	0.15	19.08	20.20	1.294	0.195	22.1
Left tilted	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.155	0.06	19.08	20.20	1.294	0.201	22.1
Right cheek	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.309	0.01	19.08	20.20	1.294	0.400	22.1
Right tilted	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.325	-0.01	19.08	20.20	1.294	**0.421**	22.1
Right tilted	20	PCC QPSK 18RB@0	41055/2636.5	1:1.58	0.300	0.17	18.75	20.20	1.396	0.419	22.1
	20	SCC QPSK 0RB@0	41253/2656.3	1:1.58							
Head Test Data at the worst case with SIM2											
Right tilted	20	QPSK 50RB_0	41055/2636.5	1:1	0.260	0.00	19.08	20.20	1.294	0.336	22.1
Head Test Data at the worst case with Battery 2#											
Right tilted	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.309	0.06	19.08	20.20	1.294	0.400	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_99	41055/2636.5	1:1.58	0.068	0.05	22.55	23.70	1.303	0.089	22.1
Back side	20	QPSK 1RB_99	41055/2636.5	1:1.58	0.180	-0.08	22.55	23.70	1.303	0.235	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.074	0.02	22.58	23.70	1.294	0.095	22.1
Back side	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.189	0.01	22.58	23.70	1.294	**0.245**	22.1
Back side	20	PCC QPSK 18RB@0	41055/2636.5	1:1.58	0.162	-0.05	21.99	23.70	1.483	0.240	22.1
	20	SCC QPSK 0RB@0	41253/2656.3	1:1.58							
Body worn Test Data at the worst case with SIM2(Separate 15mm)											
Back side	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.188	-0.11	22.58	23.70	1.294	0.243	22.1
Body worn Test data at the worst case with Battery 2#(Separate 15mm)											
Back side	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.170	0.04	22.58	23.70	1.294	0.220	22.1
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1RB_50	41055/2636.5	1:1.58	0.069	-0.08	20.07	21.20	1.297	0.089	22.1
Back side	20	QPSK 1RB_50	41055/2636.5	1:1.58	0.232	0.02	20.07	21.20	1.297	0.301	22.1
Left side	20	QPSK 1RB_50	41055/2636.5	1:1.58	0.060	0.12	20.07	21.20	1.297	0.077	22.1
Right side	20	QPSK 1RB_50	41055/2636.5	1:1.58	0.014	0.09	20.07	21.20	1.297	0.018	22.1
Top side	20	QPSK 1RB_50	41055/2636.5	1:1.58	0.256	-0.03	20.07	21.20	1.297	0.332	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.071	0.09	20.11	21.20	1.285	0.091	22.1
Back side	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.235	0.10	20.11	21.20	1.285	0.302	22.1
Left side	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.061	-0.07	20.11	21.20	1.285	0.078	22.1
Right side	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.014	0.01	20.11	21.20	1.285	0.018	22.1
Top side	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.266	-0.03	20.11	21.20	1.285	**0.342**	22.1
Top side	20	PCC QPSK	41055/2636.5	1:1.58	0.225	-0.03	19.43	21.20	1.503	0.338	22.1

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		18RB@0									
	20	SCC QPSK 0RB@0	41253/2656.3	1:1.58							
Hotspot Test Data at the worst case with SIM2(Separate 10mm)											
Top side	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.256	0.07	20.11	21.20	1.285	0.329	22.1
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Top side	20	QPSK 50RB_0	41055/2636.5	1:1.58	0.198	0.01	20.11	21.20	1.285	0.254	22.1

Table 32：SAR of LTE Band 41 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 ≤ 0.8W/kg then testing at the other channels is not required for such test configuration(s).

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8.3.9 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	1/2412	100.00%	1.000	0.313	0.05	17.09	18.50	1.384	0.433	22
Left tilted	802.11b	1/2412	100.00%	1.000	0.384	0.11	17.09	18.50	1.384	0.531	22
Right cheek	802.11b	1/2412	100.00%	1.000	0.203	0.05	17.09	18.50	1.384	0.281	22
Right tilted	802.11b	1/2412	100.00%	1.000	0.286	-0.13	17.09	18.50	1.384	0.396	22
Head Test Data at the worst case with Battery 2#											
Left tilted	802.11b	1/2412	100.00%	1.000	0.404	0.05	17.09	18.50	1.384	**0.559**	22
Body worn Test data(Separate 15mm)											
Front side	802.11b	1/2412	100.00%	1.000	0.044	0.01	17.09	18.50	1.384	0.061	22
Back side	802.11b	1/2412	100.00%	1.000	0.045	0.18	17.09	18.50	1.384	0.062	22
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)											
Back side	802.11b	1/2412	100.00%	1.000	0.047	0.06	17.09	18.50	1.384	**0.065**	22
Hotspot Test data (Separate 10mm)											
Front side	802.11b	1/2412	100.00%	1.000	0.075	-0.01	17.09	18.50	1.384	0.103	22
Back side	802.11b	1/2412	100.00%	1.000	0.094	0.06	17.09	18.50	1.384	0.130	22
Right side	802.11b	1/2412	100.00%	1.000	0.089	0.02	17.09	18.50	1.384	0.124	22
Top side	802.11b	1/2412	100.00%	1.000	0.146	-0.18	17.09	18.50	1.384	0.202	22
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Top side	802.11b	1/2412	100.00%	1.000	0.154	-0.02	17.09	18.50	1.384	**0.213**	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											
Left cheek	802.11b	6/2437	100.00%	1.000	0.044	0.19	16.72	18.50	1.507	0.066	22
Left tilted	802.11b	6/2437	100.00%	1.000	0.033	0.07	16.72	18.50	1.507	0.049	22
Right cheek	802.11b	6/2437	100.00%	1.000	0.021	-0.13	16.72	18.50	1.507	0.031	22
Right tilted	802.11b	6/2437	100.00%	1.000	0.026	0.04	16.72	18.50	1.507	0.040	22
Head Test Data at the worst case with Battery 2#											
Left cheek	802.11b	6/2437	100.00%	1.000	0.081	0.08	16.72	18.50	1.507	**0.123**	22
Body worn Test data(Separate 15mm)											
Front side	802.11b	6/2437	100.00%	1.000	0.007	0.08	16.72	18.50	1.507	0.010	22
Back side	802.11b	6/2437	100.00%	1.000	0.026	-0.02	16.72	18.50	1.507	0.038	22
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)											
Back side	802.11b	6/2437	100.00%	1.000	0.034	-0.04	16.72	18.50	1.507	**0.051**	22
Hotspot Test data (Separate 10mm)											
Front side	802.11b	6/2437	100.00%	1.000	0.011	0.04	16.72	18.50	1.507	0.016	22
Back side	802.11b	6/2437	100.00%	1.000	0.073	-0.03	16.72	18.50	1.507	0.110	22
Right side	802.11b	6/2437	100.00%	1.000	0.025	-0.06	16.72	18.50	1.507	0.037	22
Top side	802.11b	6/2437	100.00%	1.000	0.022	-0.04	16.72	18.50	1.507	0.032	22
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Back side	802.11b	6/2437	100.00%	1.000	0.091	-0.02	16.72	18.50	1.507	**0.136**	22

Table 33：SAR of 2.4GHz WIFI for Head and Body.

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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.

Mode	tune up (dBm)	tune up (mW)	Max report SAR(W/Kg)	Adjusted SAR(W/Kg)	Required other mode SAR Test
802.11b	18.50	70.79	0.559	/	Yes
802.11g	17.00	50.12	/	0.396	No
802.11n-HT20	17.00	50.12	/	0.396	No
802.11n-HT40	17.00	50.12	/	0.396	No

Note: Per KDB248227D01, for SAR test of WiFi 2.4G,
1) SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure.

2) As the highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

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8.3.1 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	802.11n-HT40	54/5270	96.18%	1.040	0.226	-0.06	8.76	10.50	1.493	0.351	22
Left tilted	802.11n-HT40	54/5270	96.18%	1.040	0.217	0.04	8.76	10.50	1.493	0.337	22
Right cheek	802.11n-HT40	54/5270	96.18%	1.040	0.0757	0.01	8.76	10.50	1.493	0.118	22
Right tilted	802.11n-HT40	54/5270	96.18%	1.040	0.0777	-0.07	8.76	10.50	1.493	0.121	22
Head Test data U-NII-2C											
Left cheek	802.11n-HT40	126/5630	96.18%	1.04	0.227	-0.01	10.45	10.50	1.012	0.239	22
Left tilted	802.11n-HT40	126/5630	96.18%	1.04	0.248	-0.02	10.45	10.50	1.012	0.261	22
Right cheek	802.11n-HT40	126/5630	96.18%	1.04	0.0561	-0.07	10.45	10.50	1.012	0.059	22
Right tilted	802.11n-HT40	126/5630	96.18%	1.04	0.0855	-0.01	10.45	10.50	1.012	0.090	22
Head Test data U-NII-3											
Left cheek	802.11a	161/5805	97.56%	1.025	0.381	-0.05	9.49	10.51	1.265	**0.494**	22
Left tilted	802.11a	161/5805	97.56%	1.025	0.339	0.02	9.49	10.51	1.265	0.439	22
Right cheek	802.11a	161/5805	97.56%	1.025	0.235	0.01	9.49	10.51	1.265	0.305	22
Right tilted	802.11a	161/5805	97.56%	1.025	0.221	0.05	9.49	10.51	1.265	0.286	22
Head Test Data at the worst case with Battery 2#											
Left cheek	802.11a	161/5805	97.56%	1.025	0.193	0.08	9.49	10.51	1.265	0.244	22
Body worn Test data U-NII-2A(Separate 15mm)											
Front side	802.11a	52/5260	97.56%	1.025	0.170	0.05	15.51	16.01	1.122	0.196	22
Back side	802.11a	52/5260	97.56%	1.025	0.276	0.04	15.51	16.01	1.122	0.317	22
Body worn Test data U-NII-2C(Separate 15mm)											
Front side	802.11a	116/5580	97.56%	1.025	0.073	0.06	15.92	16.01	1.021	0.076	22
Back side	802.11a	116/5580	97.56%	1.025	0.189	0.06	15.92	16.01	1.021	0.198	22
Body worn Test data U-NII-3(Separate 15mm)											
Front side	802.11a	165/5825	97.56%	1.025	0.015	0.09	10.44	11.51	1.279	0.020	22
Back side	802.11a	165/5825	97.56%	1.025	0.113	0.03	10.44	11.51	1.279	0.148	22
Body worn Data at the worst case with Battery 2#											
Back side	802.11a	52/5260	97.56%	1.025	0.294	0.04	15.51	16.01	1.122	**0.338**	22
Hotspot Test data U-NII-1(Separate 10mm)											
Front side	802.11a	40/5200	97.56%	1.025	0.233	0.11	15.43	16.01	1.143	0.273	22
Back side	802.11a	40/5200	97.56%	1.025	0.364	0.01	15.43	16.01	1.143	0.426	22
Right side	802.11a	40/5200	97.56%	1.025	0.213	0.03	15.43	16.01	1.143	0.250	22
Top side	802.11a	40/5200	97.56%	1.025	0.541	0.14	15.43	16.01	1.143	**0.634**	22
Hotspot Test data U-NII-3(Separate 10mm)											
Front side	802.11a	165/5825	97.56%	1.025	0.047	0.01	10.44	11.51	1.279	0.062	22
Back side	802.11a	165/5825	97.56%	1.025	0.148	-0.03	10.44	11.51	1.279	0.194	22
Right side	802.11a	165/5825	97.56%	1.025	0.059	0.08	10.44	11.51	1.279	0.077	22
Top side	802.11a	165/5825	97.56%	1.025	0.127	0.01	10.44	11.51	1.279	0.167	22
Hotspot Test Data at the worst case with Battery 2#											
Top side	802.11a	40/5200	97.56%	1.025	0.459	0.12	15.43	16.01	1.143	0.538	22

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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.
Limb Test data U-NII-2A(Separate 0mm)											
Front side	802.11a	52/5260	97.56%	1.025	1.070	0.05	15.51	16.01	1.122	1.231	22
Back side	802.11a	52/5260	97.56%	1.025	0.931	-0.01	15.51	16.01	1.122	1.071	22
Right side	802.11a	52/5260	97.56%	1.025	0.693	-0.04	15.51	16.01	1.122	0.797	22
Top side	802.11a	52/5260	97.56%	1.025	1.630	0.08	15.51	16.01	1.122	1.875	22
Limb Test data U-NII-2C(Separate 0mm)											
Front side	802.11a	116/5580	97.56%	1.025	0.747	0.01	15.92	16.01	1.021	0.782	22
Back side	802.11a	116/5580	97.56%	1.025	0.630	-0.06	15.92	16.01	1.021	0.659	22
Right side	802.11a	116/5580	97.56%	1.025	0.552	0.07	15.92	16.01	1.021	0.578	22
Top side	802.11a	116/5580	97.56%	1.025	1.880	0.03	15.92	16.01	1.021	**1.967**	22
Limb Test data at the worst case with Battery 2#											
Top side	802.11a	116/5580	97.56%	1.025	1.640	0.03	15.92	16.01	1.021	1.716	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	802.11n-HT40	54/5270	94.32%	1.060	0.180	0.06	8.59	10.50	1.552	0.296	22
Left tilted	802.11n-HT40	54/5270	94.32%	1.060	0.190	0.03	8.59	10.50	1.552	**0.313**	22
Right cheek	802.11n-HT40	54/5270	94.32%	1.060	0.061	-0.06	8.59	10.50	1.552	0.101	22
Right tilted	802.11n-HT40	54/5270	94.32%	1.060	0.050	0.08	8.59	10.50	1.552	0.083	22
Head Test data U-NII-2C											
Left cheek	802.11n-HT40	110/5550	94.32%	1.060	0.110	0.06	9.19	10.50	1.352	0.158	22
Left tilted	802.11n-HT40	110/5550	94.32%	1.060	0.011	0.00	9.19	10.50	1.352	0.016	22
Right cheek	802.11n-HT40	110/5550	94.32%	1.060	0.001	0.00	9.19	10.50	1.352	0.001	22
Right tilted	802.11n-HT40	110/5550	94.32%	1.060	0.001	0.00	9.19	10.50	1.352	0.001	22
Head Test data U-NII-3											
Left cheek	802.11a	165/5825	98.23%	1.018	0.165	0.06	8.72	10.51	1.510	0.254	22
Left tilted	802.11a	165/5825	98.23%	1.018	0.171	-0.12	8.72	10.51	1.510	0.263	22
Right cheek	802.11a	165/5825	98.23%	1.018	0.049	0.00	8.72	10.51	1.510	0.076	22
Right tilted	802.11a	165/5825	98.23%	1.018	0.011	-0.02	8.72	10.51	1.510	0.017	22
Head Test Data at the worst case with Battery 2#											
Left tilted	802.11n-HT40	54/5270	94.32%	1.06	0.186	0.05	8.59	10.50	1.552	0.306	22
Body worn Test data U-NII-2A(Separate 15mm)											
Front side	802.11a	60/5300	98.23%	1.018	0.001	-0.03	13.95	15.51	1.432	0.001	22
Back side	802.11a	60/5300	98.23%	1.018	0.0436	-0.02	13.95	15.51	1.432	0.064	22
Body worn Test data U-NII-2C(Separate 15mm)											
Front side	802.11a	132/5660	98.23%	1.018	0.001	-0.03	14.91	15.51	1.148	0.001	22
Back side	802.11a	132/5660	98.23%	1.018	0.021	0.01	14.91	15.51	1.148	0.025	22
Body worn Test data U-NII-3(Separate 15mm)											
Front side	802.11a	157/5785	98.23%	1.018	0.001	0.00	9.36	11.01	1.462	0.001	22
Back side	802.11a	157/5785	98.23%	1.018	0.018	0.00	9.36	11.01	1.462	0.027	22
Body worn Test Data at the worst case with Battery 2#											
Back side	802.11a	60/5300	98.23%	1.018	0.074	-0.08	13.95	15.51	1.432	**0.107**	22
Hotspot Test data U-NII-1(Separate 10mm)											
Front side	802.11a	48/5240	98.23%	1.018	0.001	0.00	14.21	15.51	1.349	0.001	22
Back side	802.11a	48/5240	98.23%	1.018	0.221	-0.12	14.21	15.51	1.349	0.303	22
Right side	802.11a	48/5240	98.23%	1.018	0.055	0.00	14.21	15.51	1.349	0.076	22

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Top side	802.11a	48/5240	98.23%	1.018	0.014	0.08	14.21	15.51	1.349	0.019	22
Hotspot Test data U-NII-3(Separate 10mm)											
Front side	802.11a	157/5785	98.23%	1.018	0.001	-0.16	9.36	11.01	1.462	0.001	22
Back side	802.11a	157/5785	98.23%	1.018	0.039	0.00	9.36	11.01	1.462	0.058	22
Right side	802.11a	157/5785	98.23%	1.018	0.001	0.04	9.36	11.01	1.462	0.001	22
Top side	802.11a	157/5785	98.23%	1.018	0.004	0.05	9.36	11.01	1.462	0.006	22
Hotspot Test Data at the worst case with Battery 2#											
Back side	802.11a	48/5240	98.23%	1.018	0.295	-0.02	14.21	15.51	1.349	**0.398**	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.**
Limb Test data U-NII-2A(Separate 0mm)											
Front side	802.11a	60/5300	98.23%	1.018	0.010	0.00	13.95	15.51	1.432	0.015	22
Back side	802.11a	60/5300	98.23%	1.018	0.331	0.00	13.95	15.51	1.432	0.483	22
Right side	802.11a	60/5300	98.23%	1.018	0.114	0.07	13.95	15.51	1.432	0.166	22
Top side	802.11a	60/5300	98.23%	1.018	0.024	0.04	13.95	15.51	1.432	0.035	22
Limb Test data U-NII-2C(Separate 0mm)											
Front side	802.11a	132/5660	98.23%	1.018	0.001	0.00	14.91	15.51	1.148	0.001	22
Back side	802.11a	132/5660	98.23%	1.018	0.262	0.00	14.91	15.51	1.148	0.306	22
Right side	802.11a	132/5660	98.23%	1.018	0.039	0.00	14.91	15.51	1.148	0.046	22
Top side	802.11a	132/5660	98.23%	1.018	0.012	0.00	14.91	15.51	1.148	0.014	22
Limb Test data at the worst case with Battery 2#											
Back side	802.11a	60/5300	98.23%	1.018	0.446	-0.09	13.95	15.51	1.432	**0.650**	22

Table 34：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

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 same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration;

5) When the highest reported SAR for the initial test configuration is 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 test for the other 802.11 modes are not required.

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8.3.2 SAR Result Of Bluetooth

Ant1 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	39/2441	76.53%	1.307	0.076	0.00	10.32	11.40	1.282	**0.127**	22
Left tilted	DH5	39/2441	76.53%	1.307	0.053	0.17	10.32	11.40	1.282	0.088	22
Right cheek	DH5	39/2441	76.53%	1.307	0.036	0.07	10.32	11.40	1.282	0.06	22
Right tilted	DH5	39/2441	76.53%	1.307	0.052	0.03	10.32	11.40	1.282	0.087	22
Head Test Data at the worst case with Battery 2#											
Left cheek	DH5	39/2441	76.53%	1.307	0.074	0.00	10.32	11.40	1.282	0.124	22
Body worn Test data(Separate 15mm)											
Front side	DH5	39/2441	76.53%	1.307	0.0181	-0.07	10.32	11.40	1.282	0.030	22
Back side	DH5	39/2441	76.53%	1.307	0.004	-0.08	10.32	11.40	1.282	0.006	22
Body worn Test Data at the worst case with Battery 2#(Separate 15mm)											
Front side	DH5	39/2441	76.53%	1.307	0.0384	-0.05	10.32	11.40	1.282	**0.049**	22
Hotspot Test data (Separate 10mm)											
Front side	DH5	39/2441	76.53%	1.307	0.044	-0.07	10.32	11.40	1.282	0.074	22
Back side	DH5	39/2441	76.53%	1.307	0.001	-0.15	10.32	11.40	1.282	0.002	22
Right side	DH5	39/2441	76.53%	1.307	0.017	-0.05	10.32	11.40	1.282	0.028	22
Top side	DH5	39/2441	76.53%	1.307	0.0448	0.06	10.32	11.40	1.282	**0.075**	22
Hotspot Test Data at the worst case with Battery 2#(Separate 10mm)											
Top side	DH5	39/2441	76.53%	1.307	0.0375	-0.18	10.32	11.40	1.282	0.048	22
Limb Test data (Separate 0mm)											
Front side	DH5	39/2441	76.53%	1.307	0.0698	-0.06	10.32	11.40	1.282	0.117	22
Back side	DH5	39/2441	76.53%	1.307	0.0566	-0.04	10.32	11.40	1.282	0.095	22
Right side	DH5	39/2441	76.53%	1.307	0.0379	-0.07	10.32	11.40	1.282	0.064	22
Top side	DH5	39/2441	76.53%	1.307	0.102	-0.01	10.32	11.40	1.282	**0.171**	22
Limb Test data at the worst case with Battery 2#(Separate 0mm)											
Top side	DH5	39/2441	76.53%	1.307	0.0972	-0.12	10.32	11.40	1.282	0.125	22

Table 35：SAR of Bluetooth 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 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

1) Simultaneous Transmission

NO.	Simultaneous TX Combination	Head	Body-worn	Hotspot	Product Specific 10-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	WCDMA (Ant 1) + BT	Yes	Yes	Yes	Yes
10	WCDMA (Ant 2) + BT	Yes	Yes	Yes	Yes
11	WCDMA (Ant 1) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	Yes	Yes	Yes	Yes
12	WCDMA (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	Yes	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	Yes	Yes
21	UMTS (Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes	Yes
22	WCDMA (Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes	Yes
23	LTE (Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes	Yes
24	LTE (Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes	Yes
25	GSM Voice(Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi	Yes	Yes	N/A	Yes

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	5G (Ant 2)				
26	GSM DATA(Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	N/A	Yes	Yes	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	Yes	Yes
29	WCDMA (Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes
30	WCDMA (Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes
31	LTE (Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes
32	LTE (Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	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	Yes	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	Yes	Yes
37	WCDMA (Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes
38	WCDMA (Ant 2) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes
39	LTE (Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes
40	LTE (Ant 2) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	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) For Wi-Fi 5G, U-NII-2A (5250-5350 MHz) and U-NII-2C (5470-5725 MHz) bands does not support hotspot function.
10) The device supports Vo-WIFI function.
11) WiFi 5G ANT1 and WiFi 2.4G ANT2 can not transmit simultaneously.

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2) 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 CDD/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	0.217	0.433	0.123	0.556	0.127	0.650	0.340	0.773	0.344	N/A
		Left Tilt	0.146	0.559	0.049	0.608	0.088	0.705	0.195	0.754	0.234	N/A
		Right Cheek	0.289	0.281	0.031	0.312	0.06	0.570	0.320	0.601	0.349	N/A
		Right Tilt	0.149	0.396	0.040	0.436	0.087	0.545	0.189	0.585	0.236	N/A
	Body-worn	Front(voice)	0.303	0.061	0.010	0.071	0.049	0.364	0.313	0.374	0.352	N/A
		Back(voice)	0.368	0.065	0.051	0.116	0.006	0.433	0.419	0.484	0.374	N/A
		Front(data)	0.365	0.061	0.010	0.071	0.049	0.426	0.375	0.436	0.414	N/A
		Back(data)	0.441	0.065	0.051	0.116	0.006	0.506	0.492	0.557	0.447	N/A
	Hotspot	Front	0.371	0.103	0.016	0.119	0.074	0.474	0.387	0.490	0.445	N/A
		Back	0.623	0.130	0.136	0.266	0.002	0.753	0.759	0.889	0.625	N/A
		Left	0.19	/	/	/	/	0.190	0.190	0.190	0.190	N/A
		Right	0.445	0.124	0.037	0.161	0.028	0.569	0.482	0.606	0.473	N/A
		Top	/	0.213	0.032	0.245	0.075	0.213	0.032	0.245	0.075	N/A
		Bottom	0.463	/	/	/	/	0.463	0.463	0.463	0.463	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
GSM 850	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G CDD/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	0.325	0.433	0.123	0.556	0.127	0.758	0.448	0.881	0.452	N/A
		Left Tilt	0.306	0.559	0.049	0.608	0.088	0.865	0.355	0.914	0.394	N/A
		Right Cheek	0.302	0.281	0.031	0.312	0.06	0.583	0.333	0.614	0.362	N/A
		Right Tilt	0.308	0.396	0.040	0.436	0.087	0.704	0.348	0.744	0.395	N/A
	Body-worn	Front(voice)	0.043	0.061	0.010	0.071	0.049	0.104	0.053	0.114	0.092	N/A
		Back(voice)	0.046	0.065	0.051	0.116	0.006	0.111	0.097	0.162	0.052	N/A
		Front(data)	0.063	0.061	0.010	0.071	0.049	0.124	0.073	0.134	0.112	N/A
		Back(data)	0.059	0.065	0.051	0.116	0.006	0.124	0.110	0.175	0.065	N/A
	Hotspot	Front	0.158	0.103	0.016	0.119	0.074	0.261	0.174	0.277	0.232	N/A
		Back	0.254	0.130	0.136	0.266	0.002	0.384	0.390	0.520	0.256	N/A
		Left	0.053	/	/	/	/	0.053	0.053	0.053	0.053	N/A
		Right	0.016	0.124	0.037	0.161	0.028	0.140	0.053	0.177	0.044	N/A
		Top	0.115	0.213	0.032	0.245	0.075	0.328	0.147	0.360	0.190	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 CDD/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	0.076	0.433	0.123	0.556	0.127	0.509	0.199	0.632	0.203	N/A
		Left Tilt	0.033	0.559	0.049	0.608	0.088	0.592	0.082	0.641	0.121	N/A
		Right	0.045	0.281	0.031	0.312	0.06	0.326	0.076	0.357	0.105	N/A

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		Cheek										
		Right Tilt	0.045	0.396	0.040	0.436	0.087	0.441	0.085	0.481	0.132	N/A
	Body-worn	Front(voice)	0.287	0.061	0.010	0.071	0.049	0.348	0.297	0.358	0.336	N/A
		Back(voice)	0.46	0.065	0.051	0.116	0.006	0.525	0.511	0.576	0.466	N/A
		Front(data)	0.346	0.061	0.010	0.071	0.049	0.407	0.356	0.417	0.395	N/A
		Back(data)	0.662	0.065	0.051	0.116	0.006	0.727	0.713	0.778	0.668	N/A
	Hotspot	Front	0.257	0.103	0.016	0.119	0.074	0.360	0.273	0.376	0.331	N/A
		Back	0.435	0.130	0.136	0.266	0.002	0.565	0.571	0.701	0.437	N/A
		Left	0.034	/	/	/	/	0.034	0.034	0.034	0.034	N/A
		Right	0.03	0.124	0.037	0.161	0.028	0.154	0.067	0.191	0.058	N/A
		Top	/	0.213	0.032	0.245	0.075	0.213	0.032	0.245	0.075	N/A
		Bottom	0.811	/	/	/	/	0.811	0.811	0.811	0.811	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	1.855	/	/	/	0.095	1.855	1.855	1.855	1.950	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	N/A
		Bottom	1.058	/	/	/	/	1.058	1.058	1.058	1.058	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G CDD/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	0.109	0.433	0.123	0.556	0.127	0.542	0.232	0.665	0.236	N/A
		Left Tilt	0.194	0.559	0.049	0.608	0.088	0.753	0.243	0.802	0.282	N/A
		Right Cheek	0.178	0.281	0.031	0.312	0.06	0.459	0.209	0.490	0.238	N/A
		Right Tilt	0.222	0.396	0.040	0.436	0.087	0.618	0.262	0.658	0.309	N/A
	Body-worn	Front(voice)	0.029	0.061	0.010	0.071	0.049	0.090	0.039	0.100	0.078	N/A
		Back(voice)	0.039	0.065	0.051	0.116	0.006	0.104	0.090	0.155	0.045	N/A
		Front(data)	0.027	0.061	0.010	0.071	0.049	0.088	0.037	0.098	0.076	N/A
		Back(data)	0.033	0.065	0.051	0.116	0.006	0.098	0.084	0.149	0.039	N/A
	Hotspot	Front	0.059	0.103	0.016	0.119	0.074	0.162	0.075	0.178	0.133	N/A
		Back	0.076	0.130	0.136	0.266	0.002	0.206	0.212	0.342	0.078	N/A
		Left	0.062	/	/	/	/	0.062	0.062	0.062	0.062	N/A
		Right	0.018	0.124	0.037	0.161	0.028	0.142	0.055	0.179	0.046	N/A
		Top	0.162	0.213	0.032	0.245	0.075	0.375	0.194	0.407	0.237	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 CDD/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 Band II	Head	Left Cheek	0.15	0.433	0.123	0.556	0.127	0.583	0.273	0.706	0.277	N/A
		Left Tilt	0.059	0.559	0.049	0.608	0.088	0.618	0.108	0.667	0.147	N/A
		Right Cheek	0.082	0.281	0.031	0.312	0.060	0.363	0.113	0.394	0.142	N/A
		Right Tilt	0.084	0.396	0.040	0.436	0.087	0.480	0.124	0.520	0.171	N/A
	Body-worn	Front	0.543	0.061	0.010	0.071	0.049	0.604	0.553	0.614	0.592	N/A
		Back	0.921	0.065	0.051	0.116	0.006	0.986	0.972	1.037	0.927	N/A
	Hotspot	Front	0.252	0.103	0.016	0.119	0.074	0.355	0.268	0.371	0.326	N/A
		Back	0.459	0.130	0.136	0.266	0.002	0.589	0.595	0.725	0.461	N/A
		Left	0.035	/	/	/	/	0.035	0.035	0.035	0.035	N/A
		Right	0.03	0.124	0.037	0.161	0.028	0.154	0.067	0.191	0.058	N/A
		Top	/	0.213	0.032	0.245	0.075	0.213	0.032	0.245	0.075	N/A
		Bottom	0.797	/	/	/	/	0.797	0.797	0.797	0.797	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A

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		Back	2.115	/	/	/	0.095	2.115	2.115	2.115	2.210	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	N/A
		Bottom	2.137	/	/	/	/	2.137	2.137	2.137	2.137	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G CDD/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	0.282	0.433	0.123	0.556	0.127	0.715	0.405	0.838	0.409	N/A
		Left Tilt	0.447	0.559	0.049	0.608	0.088	1.006	0.496	1.055	0.535	N/A
		Right Cheek	0.481	0.281	0.031	0.312	0.060	0.762	0.512	0.793	0.541	N/A
		Right Tilt	0.432	0.396	0.040	0.436	0.087	0.828	0.472	0.868	0.519	N/A
	Body-worn	Front	0.12	0.061	0.010	0.071	0.049	0.181	0.130	0.191	0.169	N/A
		Back	0.18	0.065	0.051	0.116	0.006	0.245	0.231	0.296	0.186	N/A
	Hotspot	Front	0.075	0.103	0.016	0.119	0.074	0.178	0.091	0.194	0.149	N/A
		Back	0.146	0.130	0.136	0.266	0.002	0.276	0.282	0.412	0.148	N/A
		Left	0.108	/	/	/	/	0.108	0.108	0.108	0.108	N/A
		Right	0.226	0.124	0.037	0.161	0.028	0.350	0.263	0.387	0.254	N/A
		Top	0.24	0.213	0.032	0.245	0.075	0.453	0.272	0.485	0.315	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 CDD/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 Band IV	Head	Left Cheek	0.129	0.433	0.123	0.556	0.127	0.562	0.252	0.685	0.256	N/A
		Left Tilt	0.060	0.559	0.049	0.608	0.088	0.619	0.109	0.668	0.148	N/A
		Right Cheek	0.074	0.281	0.031	0.312	0.060	0.355	0.105	0.386	0.134	N/A
		Right Tilt	0.052	0.396	0.040	0.436	0.087	0.448	0.092	0.488	0.139	N/A
	Body-worn	Front	0.583	0.061	0.010	0.071	0.049	0.644	0.593	0.654	0.632	N/A
		Back	0.973	0.065	0.051	0.116	0.006	1.038	1.024	1.089	0.979	N/A
	Hotspot	Front	0.252	0.103	0.016	0.119	0.074	0.355	0.268	0.371	0.326	N/A
		Back	0.459	0.130	0.136	0.266	0.002	0.589	0.595	0.725	0.461	N/A
		Left	0.035	/	/	/	/	0.035	0.035	0.035	0.035	N/A
		Right	0.03	0.124	0.037	0.161	0.028	0.154	0.067	0.191	0.058	N/A
		Top	/	0.213	0.032	0.245	0.075	0.213	0.032	0.245	0.075	N/A
		Bottom	0.992	/	/	/	/	0.992	0.992	0.992	0.992	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	2.143	/	/	/	0.095	2.143	2.143	2.143	2.238	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	N/A
		Bottom	1.71	/	/	/	/	1.710	1.710	1.710	1.710	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G CDD/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	0.237	0.433	0.123	0.556	0.127	0.670	0.360	0.793	0.364	N/A
		Left Tilt	0.315	0.559	0.049	0.608	0.088	0.874	0.364	0.923	0.403	N/A
		Right Cheek	0.694	0.281	0.031	0.312	0.060	0.975	0.725	1.006	0.754	N/A
		Right Tilt	0.538	0.396	0.040	0.436	0.087	0.934	0.578	0.974	0.625	N/A

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	Body-worn	Front	0.070	0.061	0.010	0.071	0.049	0.131	0.080	0.141	0.119	N/A
		Back	0.093	0.065	0.051	0.116	0.006	0.158	0.144	0.209	0.099	N/A
	Hotspot	Front	0.139	0.103	0.016	0.119	0.074	0.242	0.155	0.258	0.213	N/A
		Back	0.185	0.130	0.136	0.266	0.002	0.315	0.321	0.451	0.187	N/A
		Left	0.298	/	/	/	/	0.298	0.298	0.298	0.298	N/A
		Right	0.019	0.124	0.037	0.161	0.028	0.143	0.056	0.180	0.047	N/A
		Top	0.217	0.213	0.032	0.245	0.075	0.430	0.249	0.462	0.292	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 CDD/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 Band V	Head	Left Cheek	0.2	0.433	0.123	0.556	0.127	0.633	0.323	0.756	0.327	N/A
		Left Tilt	0.126	0.559	0.049	0.608	0.088	0.685	0.175	0.734	0.214	N/A
		Right Cheek	0.235	0.281	0.031	0.312	0.060	0.516	0.266	0.547	0.295	N/A
		Right Tilt	0.124	0.396	0.040	0.436	0.087	0.520	0.164	0.560	0.211	N/A
	Body-worn	Front	0.301	0.061	0.010	0.071	0.049	0.362	0.311	0.372	0.350	N/A
		Back	0.394	0.065	0.051	0.116	0.006	0.459	0.445	0.510	0.400	N/A
	Hotspot	Front	0.42	0.103	0.016	0.119	0.074	0.523	0.436	0.539	0.494	N/A
		Back	0.611	0.130	0.136	0.266	0.002	0.741	0.747	0.877	0.613	N/A
		Left	0.202	/	/	/	/	0.202	0.202	0.202	0.202	N/A
		Right	0.475	0.124	0.037	0.161	0.028	0.599	0.512	0.636	0.503	N/A
		Top	/	0.213	0.032	0.245	0.075	0.213	0.032	0.245	0.075	N/A
		Bottom	0.39	/	/	/	/	0.390	0.390	0.390	0.390	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
WCDMA Band V	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G CDD/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	0.442	0.433	0.123	0.556	0.127	0.875	0.565	0.998	0.569	N/A
		Left Tilt	0.451	0.559	0.049	0.608	0.088	1.010	0.500	1.059	0.539	N/A
		Right Cheek	0.440	0.281	0.031	0.312	0.060	0.721	0.471	0.752	0.500	N/A
		Right Tilt	0.371	0.396	0.040	0.436	0.087	0.767	0.411	0.807	0.458	N/A
	Body-worn	Front	0.088	0.061	0.010	0.071	0.049	0.149	0.098	0.159	0.137	N/A
		Back	0.116	0.065	0.051	0.116	0.006	0.181	0.167	0.232	0.122	N/A
	Hotspot	Front	0.141	0.103	0.016	0.119	0.074	0.244	0.157	0.260	0.215	N/A
		Back	0.237	0.130	0.136	0.266	0.002	0.367	0.373	0.503	0.239	N/A
		Left	0.057	/	/	/	/	0.057	0.057	0.057	0.057	N/A
		Right	0.016	0.124	0.037	0.161	0.028	0.140	0.053	0.177	0.044	N/A
		Top	0.127	0.213	0.032	0.245	0.075	0.340	0.159	0.372	0.202	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 2.4G WIFI2 SAR	④ 2.4G CDD/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	0.145	0.433	0.123	0.556	0.127	0.578	0.268	0.701	0.272	N/A
		Left Tilt	0.04	0.559	0.049	0.608	0.088	0.599	0.089	0.648	0.128	N/A
		Right Cheek	0.081	0.281	0.031	0.312	0.060	0.362	0.112	0.393	0.141	N/A
		Right Tilt	0.071	0.396	0.040	0.436	0.087	0.467	0.111	0.507	0.158	N/A
	Body-worn	Front	0.504	0.061	0.010	0.071	0.049	0.565	0.514	0.575	0.553	N/A
		Back	0.966	0.065	0.051	0.116	0.006	1.031	1.017	1.082	0.972	N/A
	Hotspot	Front	0.3	0.103	0.016	0.119	0.074	0.403	0.316	0.419	0.374	N/A
		Back	0.546	0.130	0.136	0.266	0.002	0.676	0.682	0.812	0.548	N/A
		Left	0.041	/	/	/	/	0.041	0.041	0.041	0.041	N/A
		Right	0.04	0.124	0.037	0.161	0.028	0.164	0.077	0.201	0.068	N/A
		Top	/	0.213	0.032	0.245	0.075	0.213	0.032	0.245	0.075	N/A
		Bottom	0.763	/	/	/	/	0.763	0.763	0.763	0.763	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	2.140	/	/	/	0.095	2.140	2.140	2.140	2.235	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	N/A
		Bottom	1.743	/	/	/	/	1.743	1.743	1.743	1.743	N/A
LTE B2	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G CDD/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	0.202	0.433	0.123	0.556	0.127	0.635	0.325	0.758	0.329	N/A
		Left Tilt	0.303	0.559	0.049	0.608	0.088	0.862	0.352	0.911	0.391	N/A
		Right Cheek	0.425	0.281	0.031	0.312	0.060	0.706	0.456	0.737	0.485	N/A
		Right Tilt	0.484	0.396	0.040	0.436	0.087	0.880	0.524	0.920	0.571	N/A
	Body-worn	Front	0.108	0.061	0.010	0.071	0.049	0.169	0.118	0.179	0.157	N/A
		Back	0.137	0.065	0.051	0.116	0.006	0.202	0.188	0.253	0.143	N/A
	Hotspot	Front	0.089	0.103	0.016	0.119	0.074	0.192	0.105	0.208	0.163	N/A
		Back	0.139	0.130	0.136	0.266	0.002	0.269	0.275	0.405	0.141	N/A
		Left	0.151	/	/	/	/	0.151	0.151	0.151	0.151	N/A
		Right	0.009	0.124	0.037	0.161	0.028	0.133	0.046	0.170	0.037	N/A
		Top	0.391	0.213	0.032	0.245	0.075	0.604	0.423	0.636	0.466	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 CDD/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	0.117	0.433	0.123	0.556	0.127	0.550	0.240	0.673	0.244	N/A
		Left Tilt	0.061	0.559	0.049	0.608	0.088	0.620	0.110	0.669	0.149	N/A
		Right Cheek	0.075	0.281	0.031	0.312	0.060	0.356	0.106	0.387	0.135	N/A
		Right Tilt	0.057	0.396	0.040	0.436	0.087	0.453	0.097	0.493	0.144	N/A
	Body-worn	Front	0.587	0.061	0.010	0.071	0.049	0.648	0.597	0.658	0.636	N/A
		Back	0.981	0.065	0.051	0.116	0.006	1.046	1.032	1.097	0.987	N/A
	Hotspot	Front	0.264	0.103	0.016	0.119	0.074	0.367	0.280	0.383	0.338	N/A
		Back	0.449	0.130	0.136	0.266	0.002	0.579	0.585	0.715	0.451	N/A

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		Left	0.027	/	/	/	/	0.027	0.027	0.027	0.027	N/A
		Right	0.039	0.124	0.037	0.161	0.028	0.163	0.076	0.200	0.067	N/A
		Top	/	0.213	0.032	0.245	0.075	0.213	0.032	0.245	0.075	N/A
		Bottom	0.707	/	/	/	/	0.707	0.707	0.707	0.707	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	2.116	/	/	/	0.095	2.116	2.116	2.116	2.211	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	N/A
		Bottom	1.695	/	/	/	/	1.695	1.695	1.695	1.695	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G CDD/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	0.204	0.433	0.123	0.556	0.127	0.637	0.327	0.760	0.331	N/A
		Left Tilt	0.237	0.559	0.049	0.608	0.088	0.796	0.286	0.845	0.325	N/A
		Right Cheek	0.615	0.281	0.031	0.312	0.060	0.896	0.646	0.927	0.675	N/A
		Right Tilt	0.452	0.396	0.040	0.436	0.087	0.848	0.492	0.888	0.539	N/A
	Body-worn	Front	0.056	0.061	0.010	0.071	0.049	0.117	0.066	0.127	0.105	N/A
		Back	0.130	0.065	0.051	0.116	0.006	0.195	0.181	0.246	0.136	N/A
	Hotspot	Front	0.153	0.103	0.016	0.119	0.074	0.256	0.169	0.272	0.227	N/A
		Back	0.245	0.130	0.136	0.266	0.002	0.375	0.381	0.511	0.247	N/A
		Left	0.214	/	/	/	/	0.214	0.214	0.214	0.214	N/A
		Right	0.019	0.124	0.037	0.161	0.028	0.143	0.056	0.180	0.047	N/A
		Top	0.179	0.213	0.032	0.245	0.075	0.392	0.211	0.424	0.254	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 CDD/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	0.125	0.433	0.123	0.556	0.127	0.558	0.248	0.681	0.252	N/A
		Left Tilt	0.146	0.559	0.049	0.608	0.088	0.705	0.195	0.754	0.234	N/A
		Right Cheek	0.298	0.281	0.031	0.312	0.060	0.579	0.329	0.610	0.358	N/A
		Right Tilt	0.185	0.396	0.040	0.436	0.087	0.581	0.225	0.621	0.272	N/A
	Body-worn	Front	0.302	0.061	0.010	0.071	0.049	0.363	0.312	0.373	0.351	N/A
		Back	0.374	0.065	0.051	0.116	0.006	0.439	0.425	0.490	0.380	N/A
	Hotspot	Front	0.388	0.103	0.016	0.119	0.074	0.491	0.404	0.507	0.462	N/A
		Back	0.621	0.130	0.136	0.266	0.002	0.751	0.757	0.887	0.623	N/A
		Left	0.153	/	/	/	/	0.153	0.153	0.153	0.153	N/A
		Right	0.306	0.124	0.037	0.161	0.028	0.430	0.343	0.467	0.334	N/A
		Top	/	0.213	0.032	0.245	0.075	0.213	0.032	0.245	0.075	N/A
		Bottom	0.365	/	/	/	/	0.365	0.365	0.365	0.365	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	N/A
		Bottom	/	/	/	/	/	/	/	/	/	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 CDD/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	0.407	0.433	0.123	0.556	0.127	0.840	0.530	0.963	0.534	N/A
		Left Tilt	0.230	0.559	0.049	0.608	0.088	0.789	0.279	0.838	0.318	N/A
		Right Cheek	0.322	0.281	0.031	0.312	0.060	0.603	0.353	0.634	0.382	N/A
		Right Tilt	0.264	0.396	0.040	0.436	0.087	0.660	0.304	0.700	0.351	N/A
	Body-worn	Front	0.072	0.061	0.010	0.071	0.049	0.133	0.082	0.143	0.121	N/A
		Back	0.060	0.065	0.051	0.116	0.006	0.125	0.111	0.176	0.066	N/A
	Hotspot	Front	0.102	0.103	0.016	0.119	0.074	0.205	0.118	0.221	0.176	N/A
		Back	0.192	0.130	0.136	0.266	0.002	0.322	0.328	0.458	0.194	N/A
		Left	0.052	/	/	/	/	0.052	0.052	0.052	0.052	N/A
		Right	0.013	0.124	0.037	0.161	0.028	0.137	0.050	0.174	0.041	N/A
		Top	0.124	0.213	0.032	0.245	0.075	0.337	0.156	0.369	0.199	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 CDD/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 B7	Head	Left Cheek	0.127	0.433	0.123	0.556	0.127	0.560	0.250	0.683	0.254	N/A
		Left Tilt	0.262	0.559	0.049	0.608	0.088	0.821	0.311	0.870	0.350	N/A
		Right Cheek	0.109	0.281	0.031	0.312	0.060	0.390	0.140	0.421	0.169	N/A
		Right Tilt	0.134	0.396	0.040	0.436	0.087	0.530	0.174	0.570	0.221	N/A
	Body-worn	Front	0.607	0.061	0.010	0.071	0.049	0.668	0.617	0.678	0.656	N/A
		Back	0.344	0.065	0.051	0.116	0.006	0.409	0.395	0.460	0.350	N/A
	Hotspot	Front	0.454	0.103	0.016	0.119	0.074	0.557	0.470	0.573	0.528	N/A
		Back	0.606	0.130	0.136	0.266	0.002	0.736	0.742	0.872	0.608	N/A
		Left	0.337	/	/	/	/	0.337	0.337	0.337	0.337	N/A
		Right	0.121	0.124	0.037	0.161	0.028	0.245	0.158	0.282	0.149	N/A
		Top	/	0.213	0.032	0.245	0.075	0.213	0.032	0.245	0.075	N/A
		Bottom	0.638	/	/	/	/	0.638	0.638	0.638	0.638	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	N/A
		Bottom	1.028	/	/	/	/	1.028	1.028	1.028	1.028	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G CDD/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	0.115	0.433	0.123	0.556	0.127	0.548	0.238	0.671	0.242	N/A
		Left Tilt	0.131	0.559	0.049	0.608	0.088	0.690	0.180	0.739	0.219	N/A
		Right Cheek	0.264	0.281	0.031	0.312	0.060	0.545	0.295	0.576	0.324	N/A
		Right Tilt	0.324	0.396	0.040	0.436	0.087	0.720	0.364	0.760	0.411	N/A
	Body-worn	Front	0.107	0.061	0.010	0.071	0.049	0.168	0.117	0.178	0.156	N/A
		Back	0.217	0.065	0.051	0.116	0.006	0.282	0.268	0.333	0.223	N/A
	Hotspot	Front	0.096	0.103	0.016	0.119	0.074	0.199	0.112	0.215	0.170	N/A
		Back	0.248	0.130	0.136	0.266	0.002	0.378	0.384	0.514	0.250	N/A

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		Left	0.098	/	/	/	/	0.098	0.098	0.098	0.098	N/A
		Right	0.031	0.124	0.037	0.161	0.028	0.155	0.068	0.192	0.059	N/A
		Top	0.188	0.213	0.032	0.245	0.075	0.401	0.220	0.433	0.263	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 CDD/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	0.173	0.433	0.123	0.556	0.127	0.606	0.296	0.729	0.300	N/A
		Left Tilt	0.106	0.559	0.049	0.608	0.088	0.665	0.155	0.714	0.194	N/A
		Right Cheek	0.225	0.281	0.031	0.312	0.060	0.506	0.256	0.537	0.285	N/A
		Right Tilt	0.126	0.396	0.040	0.436	0.087	0.522	0.166	0.562	0.213	N/A
	Body-worn	Front	0.279	0.061	0.010	0.071	0.049	0.340	0.289	0.350	0.328	N/A
		Back	0.337	0.065	0.051	0.116	0.006	0.402	0.388	0.453	0.343	N/A
	Hotspot	Front	0.274	0.103	0.016	0.119	0.074	0.377	0.290	0.393	0.348	N/A
		Back	0.432	0.130	0.136	0.266	0.002	0.562	0.568	0.698	0.434	N/A
		Left	0.157	/	/	/	/	0.157	0.157	0.157	0.157	N/A
		Right	0.443	0.124	0.037	0.161	0.028	0.567	0.480	0.604	0.471	N/A
		Top	/	0.213	0.032	0.245	0.075	0.213	0.032	0.245	0.075	N/A
		Bottom	0.194	/	/	/	/	0.194	0.194	0.194	0.194	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
LTE B12	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G CDD/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	0.388	0.433	0.123	0.556	0.127	0.821	0.511	0.944	0.515	N/A
		Left Tilt	0.327	0.559	0.049	0.608	0.088	0.886	0.376	0.935	0.415	N/A
		Right Cheek	0.524	0.281	0.031	0.312	0.060	0.805	0.555	0.836	0.584	N/A
		Right Tilt	0.402	0.396	0.040	0.436	0.087	0.798	0.442	0.838	0.489	N/A
	Body-worn	Front	0.065	0.061	0.010	0.071	0.049	0.126	0.075	0.136	0.114	N/A
		Back	0.105	0.065	0.051	0.116	0.006	0.170	0.156	0.221	0.111	N/A
	Hotspot	Front	0.124	0.103	0.016	0.119	0.074	0.227	0.140	0.243	0.198	N/A
		Back	0.189	0.130	0.136	0.266	0.002	0.319	0.325	0.455	0.191	N/A
		Left	0.055	/	/	/	/	0.055	0.055	0.055	0.055	N/A
		Right	0.010	0.124	0.037	0.161	0.028	0.134	0.047	0.171	0.038	N/A
		Top	0.103	0.213	0.032	0.245	0.075	0.316	0.135	0.348	0.178	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 2.4G WIFI2 SAR	④ 2.4G CDD/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	0.166	0.433	0.123	0.556	0.127	0.599	0.289	0.722	0.293	N/A
		Left Tilt	0.097	0.559	0.049	0.608	0.088	0.656	0.146	0.705	0.185	N/A
		Right Cheek	0.214	0.281	0.031	0.312	0.060	0.495	0.245	0.526	0.274	N/A
		Right Tilt	0.096	0.396	0.040	0.436	0.087	0.492	0.136	0.532	0.183	N/A
	Body-worn	Front	0.264	0.061	0.010	0.071	0.049	0.325	0.274	0.335	0.313	N/A
		Back	0.332	0.065	0.051	0.116	0.006	0.397	0.383	0.448	0.338	N/A
	Hotspot	Front	0.275	0.103	0.016	0.119	0.074	0.378	0.291	0.394	0.349	N/A
		Back	0.367	0.130	0.136	0.266	0.002	0.497	0.503	0.633	0.369	N/A
		Left	0.232	/	/	/	/	0.232	0.232	0.232	0.232	N/A
		Right	0.432	0.124	0.037	0.161	0.028	0.556	0.469	0.593	0.460	N/A
		Top	/	0.213	0.032	0.245	0.075	0.213	0.032	0.245	0.075	N/A
		Bottom	0.186	/	/	/	/	0.186	0.186	0.186	0.186	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
LTE B17	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ 2.4G CDD/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	0.300	0.433	0.123	0.556	0.127	0.733	0.423	0.856	0.427	N/A
		Left Tilt	0.256	0.559	0.049	0.608	0.088	0.815	0.305	0.864	0.344	N/A
		Right Cheek	0.305	0.281	0.031	0.312	0.060	0.586	0.336	0.617	0.365	N/A
		Right Tilt	0.343	0.396	0.040	0.436	0.087	0.739	0.383	0.779	0.430	N/A
	Body-worn	Front	0.125	0.061	0.010	0.071	0.049	0.186	0.135	0.196	0.174	N/A
		Back	0.172	0.065	0.051	0.116	0.006	0.237	0.223	0.288	0.178	N/A
	Hotspot	Front	0.267	0.103	0.016	0.119	0.074	0.370	0.283	0.386	0.341	N/A
		Back	0.395	0.130	0.136	0.266	0.002	0.525	0.531	0.661	0.397	N/A
		Left	0.125	/	/	/	/	0.125	0.125	0.125	0.125	N/A
		Right	0.025	0.124	0.037	0.161	0.028	0.149	0.062	0.186	0.053	N/A
		Top	0.222	0.213	0.032	0.245	0.075	0.435	0.254	0.467	0.297	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 CDD/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 B26	Head	Left Cheek	0.24	0.433	0.123	0.556	0.127	0.673	0.363	0.796	0.367	N/A
		Left Tilt	0.139	0.559	0.049	0.608	0.088	0.698	0.188	0.747	0.227	N/A
		Right Cheek	0.306	0.281	0.031	0.312	0.060	0.587	0.337	0.618	0.366	N/A
		Right Tilt	0.121	0.396	0.040	0.436	0.087	0.517	0.161	0.557	0.208	N/A
	Body-worn	Front	0.299	0.061	0.010	0.071	0.049	0.360	0.309	0.370	0.348	N/A
		Back	0.344	0.065	0.051	0.116	0.006	0.409	0.395	0.460	0.350	N/A
	Hotspot	Front	0.274	0.103	0.016	0.119	0.074	0.377	0.290	0.393	0.348	N/A
		Back	0.554	0.130	0.136	0.266	0.002	0.684	0.690	0.820	0.556	N/A

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		Left	0.093	/	/	/	/	0.093	0.093	0.093	0.093	N/A
		Right	0.026	0.124	0.037	0.161	0.028	0.150	0.063	0.187	0.054	N/A
		Top	/	0.213	0.032	0.245	0.075	0.213	0.032	0.245	0.075	N/A
		Bottom	0.334	/	/	/	/	0.334	0.334	0.334	0.334	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 CDD/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	0.411	0.433	0.123	0.556	0.127	0.844	0.534	0.967	0.538	N/A
		Left Tilt	0.366	0.559	0.049	0.608	0.088	0.925	0.415	0.974	0.454	N/A
		Right Cheek	0.370	0.281	0.031	0.312	0.060	0.651	0.401	0.682	0.430	N/A
		Right Tilt	0.308	0.396	0.040	0.436	0.087	0.704	0.348	0.744	0.395	N/A
	Body-worn	Front	0.150	0.061	0.010	0.071	0.049	0.211	0.160	0.221	0.199	N/A
		Back	0.118	0.065	0.051	0.116	0.006	0.183	0.169	0.234	0.124	N/A
	Hotspot	Front	0.219	0.103	0.016	0.119	0.074	0.322	0.235	0.338	0.293	N/A
		Back	0.257	0.130	0.136	0.266	0.002	0.387	0.393	0.523	0.259	N/A
		Left	0.097	/	/	/	/	0.097	0.097	0.097	0.097	N/A
		Right	0.022	0.124	0.037	0.161	0.028	0.146	0.059	0.183	0.050	N/A
		Top	0.291	0.213	0.032	0.245	0.075	0.504	0.323	0.536	0.366	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 CDD/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 B38	Head	Left Cheek	0.081	0.433	0.123	0.556	0.127	0.514	0.204	0.637	0.208	N/A
		Left Tilt	0.295	0.559	0.049	0.608	0.088	0.854	0.344	0.903	0.383	N/A
		Right Cheek	0.139	0.281	0.031	0.312	0.060	0.420	0.170	0.451	0.199	N/A
		Right Tilt	0.158	0.396	0.040	0.436	0.087	0.554	0.198	0.594	0.245	N/A
	Body-worn	Front	0.288	0.061	0.010	0.071	0.049	0.349	0.298	0.359	0.337	N/A
		Back	0.407	0.065	0.051	0.116	0.006	0.472	0.458	0.523	0.413	N/A
	Hotspot	Front	0.393	0.103	0.016	0.119	0.074	0.496	0.409	0.512	0.467	N/A
		Back	0.477	0.130	0.136	0.266	0.002	0.607	0.613	0.743	0.479	N/A
		Left	0.213	/	/	/	/	0.213	0.213	0.213	0.213	N/A
		Right	0.179	0.124	0.037	0.161	0.028	0.303	0.216	0.340	0.207	N/A
		Top	/	0.213	0.032	0.245	0.075	0.213	0.032	0.245	0.075	N/A
		Bottom	0.541	/	/	/	/	0.541	0.541	0.541	0.541	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	N/A
		Bottom	/	/	/	/	/	/	/	/	/	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 CDD/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	0.185	0.433	0.123	0.556	0.127	0.618	0.308	0.741	0.312	N/A
		Left Tilt	0.208	0.559	0.049	0.608	0.088	0.767	0.257	0.816	0.296	N/A
		Right Cheek	0.375	0.281	0.031	0.312	0.060	0.656	0.406	0.687	0.435	N/A
		Right Tilt	0.440	0.396	0.040	0.436	0.087	0.836	0.480	0.876	0.527	N/A
	Body-worn	Front	0.105	0.061	0.010	0.071	0.049	0.166	0.115	0.176	0.154	N/A
		Back	0.232	0.065	0.051	0.116	0.006	0.297	0.283	0.348	0.238	N/A
	Hotspot	Front	0.105	0.103	0.016	0.119	0.074	0.208	0.121	0.224	0.179	N/A
		Back	0.282	0.130	0.136	0.266	0.002	0.412	0.418	0.548	0.284	N/A
		Left	0.083	/	/	/	/	0.083	0.083	0.083	0.083	N/A
		Right	0.025	0.124	0.037	0.161	0.028	0.149	0.062	0.186	0.053	N/A
		Top	0.219	0.213	0.032	0.245	0.075	0.432	0.251	0.464	0.294	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 CDD/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 B41	Head	Left Cheek	0.077	0.433	0.123	0.556	0.127	0.510	0.200	0.633	0.204	N/A
		Left Tilt	0.291	0.559	0.049	0.608	0.088	0.850	0.340	0.899	0.379	N/A
		Right Cheek	0.179	0.281	0.031	0.312	0.060	0.460	0.210	0.491	0.239	N/A
		Right Tilt	0.125	0.396	0.040	0.436	0.087	0.521	0.165	0.561	0.212	N/A
	Body-worn	Front	0.27	0.061	0.010	0.071	0.049	0.331	0.280	0.341	0.319	N/A
		Back	0.337	0.065	0.051	0.116	0.006	0.402	0.388	0.453	0.343	N/A
	Hotspot	Front	0.398	0.103	0.016	0.119	0.074	0.501	0.414	0.517	0.472	N/A
		Back	0.525	0.130	0.136	0.266	0.002	0.655	0.661	0.791	0.527	N/A
		Left	0.28	/	/	/	/	0.280	0.280	0.280	0.280	N/A
		Right	0.155	0.124	0.037	0.161	0.028	0.279	0.192	0.316	0.183	N/A
		Top	/	0.213	0.032	0.245	0.075	0.213	0.032	0.245	0.075	N/A
		Bottom	0.599	/	/	/	/	0.599	0.599	0.599	0.599	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	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 CDD/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	0.195	0.433	0.123	0.556	0.127	0.628	0.318	0.751	0.322	N/A
		Left Tilt	0.201	0.559	0.049	0.608	0.088	0.760	0.250	0.809	0.289	N/A
		Right Cheek	0.400	0.281	0.031	0.312	0.060	0.681	0.431	0.712	0.460	N/A
		Right Tilt	0.421	0.396	0.040	0.436	0.087	0.817	0.461	0.857	0.508	N/A
	Body-worn	Front	0.095	0.061	0.010	0.071	0.049	0.156	0.105	0.166	0.144	N/A
		Back	0.245	0.065	0.051	0.116	0.006	0.310	0.296	0.361	0.251	N/A
	Hotspot	Front	0.091	0.103	0.016	0.119	0.074	0.194	0.107	0.210	0.165	N/A
		Back	0.302	0.130	0.136	0.266	0.002	0.432	0.438	0.568	0.304	N/A

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		Left	0.078	/	/	/	/	0.078	0.078	0.078	0.078	N/A
		Right	0.018	0.124	0.037	0.161	0.028	0.142	0.055	0.179	0.046	N/A
		Top	0.342	0.213	0.032	0.245	0.075	0.555	0.374	0.587	0.417	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	/	/	/	0.117	/	/	/	0.117	N/A
		Back	/	/	/	/	0.095	/	/	/	0.095	N/A
		Left	/	/	/	/	/	/	/	/	/	N/A
		Right	/	/	/	/	0.064	/	/	/	0.064	N/A
		Top	/	/	/	/	0.171	/	/	/	0.171	N/A
		Bottom	/	/	/	/	/	/	/	/	/	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.217	0.494	0.296	0.790	0.127	0.711	0.513	1.007	0.838	0.640	1.134	N/A
		Left Tilt	0.146	0.439	0.313	0.752	0.088	0.585	0.459	0.898	0.673	0.547	0.986	N/A
		Right Cheek	0.289	0.305	0.101	0.406	0.060	0.594	0.390	0.695	0.654	0.450	0.755	N/A
		Right Tilt	0.149	0.286	0.083	0.369	0.087	0.435	0.232	0.518	0.522	0.319	0.605	N/A
	Body-worn	Front(voice)	0.303	0.196	0.001	0.197	0.049	0.499	0.304	0.500	0.548	0.353	0.549	N/A
		Back(voice)	0.368	0.338	0.107	0.445	0.006	0.706	0.475	0.813	0.712	0.481	0.819	N/A
		Front(data)	0.365	0.196	0.001	0.197	0.049	0.561	0.366	0.562	0.610	0.415	0.611	N/A
		Back(data)	0.441	0.338	0.107	0.445	0.006	0.779	0.548	0.886	0.785	0.554	0.892	N/A
	Hotspot	Front	0.371	0.273	0.001	0.274	0.074	0.644	0.372	0.645	0.718	0.446	0.719	N/A
		Back	0.623	0.426	0.398	0.824	0.002	1.049	1.021	1.447	1.051	1.023	1.449	N/A
		Left	0.190	/	/	/	/	0.190	0.190	0.190	0.190	0.190	0.190	N/A
		Right	0.445	0.250	0.076	0.326	0.028	0.695	0.521	0.771	0.723	0.549	0.799	N/A
		Top	/	0.634	0.019	0.653	0.075	0.634	0.019	0.653	0.709	0.094	0.728	N/A
		Bottom	0.463	/	/	/	/	0.463	0.463	0.463	0.463	0.463	0.463	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.325	0.494	0.296	0.790	0.127	0.819	0.621	1.115	0.946	0.748	1.242	N/A
		Left Tilt	0.306	0.439	0.313	0.752	0.088	0.745	0.619	1.058	0.833	0.707	1.146	N/A
		Right Cheek	0.302	0.305	0.101	0.406	0.060	0.607	0.403	0.708	0.667	0.463	0.768	N/A
		Right Tilt	0.308	0.286	0.083	0.369	0.087	0.594	0.391	0.677	0.681	0.478	0.764	N/A
	Body-worn	Front(voice)	0.043	0.196	0.001	0.197	0.049	0.239	0.044	0.240	0.288	0.093	0.289	N/A
		Back(voice)	0.046	0.338	0.107	0.445	0.006	0.384	0.153	0.491	0.390	0.159	0.497	N/A
		Front(data)	0.063	0.196	0.001	0.197	0.049	0.259	0.064	0.260	0.308	0.113	0.309	N/A
		Back(data)	0.059	0.338	0.107	0.445	0.006	0.397	0.166	0.504	0.403	0.172	0.510	N/A
	Hotspot	Front	0.158	0.273	0.001	0.274	0.074	0.431	0.159	0.432	0.505	0.233	0.506	N/A
		Back	0.254	0.426	0.398	0.824	0.002	0.680	0.652	1.078	0.682	0.654	1.080	N/A
		Left	0.053	/	/	/	/	0.053	0.053	0.053	0.053	0.053	0.053	N/A
		Right	0.016	0.250	0.076	0.326	0.028	0.266	0.092	0.342	0.294	0.120	0.370	N/A
		Top	0.115	0.634	0.019	0.653	0.075	0.749	0.134	0.768	0.824	0.209	0.843	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	

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		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.076	0.494	0.296	0.790	0.127	0.570	0.372	0.866	0.697	0.499	0.993	N/A
		Left Tilt	0.033	0.439	0.313	0.752	0.088	0.472	0.346	0.785	0.560	0.434	0.873	N/A
		Right Cheek	0.045	0.305	0.101	0.406	0.060	0.350	0.146	0.451	0.410	0.206	0.511	N/A
		Right Tilt	0.045	0.286	0.083	0.369	0.087	0.331	0.128	0.414	0.418	0.215	0.501	N/A
	Body-worn	Front(voice)	0.287	0.196	0.001	0.197	0.049	0.483	0.288	0.484	0.532	0.337	0.533	N/A
		Back(voice)	0.460	0.338	0.107	0.445	0.006	0.798	0.567	0.905	0.804	0.573	0.911	N/A
		Front(data)	0.346	0.196	0.001	0.197	0.049	0.542	0.347	0.543	0.591	0.396	0.592	N/A
		Back(data)	0.662	0.338	0.107	0.445	0.006	1.000	0.769	1.107	1.006	0.775	1.113	N/A
	Hotspot	Front	0.257	0.273	0.001	0.274	0.074	0.530	0.258	0.531	0.604	0.332	0.605	N/A
		Back	0.435	0.426	0.398	0.824	0.002	0.861	0.833	1.259	0.863	0.835	1.261	N/A
		Left	0.034	/	/	/	/	0.034	0.034	0.034	0.034	0.034	0.034	N/A
		Right	0.030	0.250	0.076	0.326	0.028	0.280	0.106	0.356	0.308	0.134	0.384	N/A
		Top	/	0.634	0.019	0.653	0.075	0.634	0.019	0.653	0.709	0.094	0.728	N/A
		Bottom	0.811	/	/	/	/	0.811	0.811	0.811	0.811	0.811	0.811	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	1.855	1.071	0.650	1.721	0.095	2.926	2.505	3.576	3.021	2.600	3.671	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	N/A
		Bottom	1.058	/	/	/	/	1.058	1.058	1.058	1.058	1.058	1.058	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.109	0.494	0.296	0.790	0.127	0.603	0.405	0.899	0.730	0.532	1.026	N/A
		Left Tilt	0.194	0.439	0.313	0.752	0.088	0.633	0.507	0.946	0.721	0.595	1.034	N/A
		Right Cheek	0.178	0.305	0.101	0.406	0.060	0.483	0.279	0.584	0.543	0.339	0.644	N/A
		Right Tilt	0.222	0.286	0.083	0.369	0.087	0.508	0.305	0.591	0.595	0.392	0.678	N/A
	Body-worn	Front(voice)	0.029	0.196	0.001	0.197	0.049	0.225	0.030	0.226	0.274	0.079	0.275	N/A
		Back(voice)	0.039	0.338	0.107	0.445	0.006	0.377	0.146	0.484	0.383	0.152	0.490	N/A
		Front(data)	0.027	0.196	0.001	0.197	0.049	0.223	0.028	0.224	0.272	0.077	0.273	N/A
		Back(data)	0.033	0.338	0.107	0.445	0.006	0.371	0.140	0.478	0.377	0.146	0.484	N/A
	Hotspot	Front	0.059	0.273	0.001	0.274	0.074	0.332	0.060	0.333	0.406	0.134	0.407	N/A
		Back	0.076	0.426	0.398	0.824	0.002	0.502	0.474	0.900	0.504	0.476	0.902	N/A
		Left	0.062	/	/	/	/	0.062	0.062	0.062	0.062	0.062	0.062	N/A
		Right	0.018	0.250	0.076	0.326	0.028	0.268	0.094	0.344	0.296	0.122	0.372	N/A

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		Top	0.162	0.634	0.019	0.653	0.075	0.796	0.181	0.815	0.871	0.256	0.890	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	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 CDD/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 Band II	Head	Left Cheek	0.150	0.494	0.296	0.790	0.127	0.644	0.446	0.940	0.771	0.573	1.067	N/A
		Left Tilt	0.059	0.439	0.313	0.752	0.088	0.498	0.372	0.811	0.586	0.460	0.899	N/A
		Right Cheek	0.082	0.305	0.101	0.406	0.060	0.387	0.183	0.488	0.447	0.243	0.548	N/A
		Right Tilt	0.084	0.286	0.083	0.369	0.087	0.370	0.167	0.453	0.457	0.254	0.540	N/A
	Body-worn	Front	0.543	0.196	0.001	0.197	0.049	0.739	0.544	0.740	0.788	0.593	0.789	N/A
		Back	0.921	0.338	0.107	0.445	0.006	1.259	1.028	1.366	1.265	1.034	1.372	N/A
	Hotspot	Front	0.252	0.273	0.001	0.274	0.074	0.525	0.253	0.526	0.599	0.327	0.600	N/A
		Back	0.459	0.426	0.398	0.824	0.002	0.885	0.857	1.283	0.887	0.859	1.285	N/A
		Left	0.035	/	/	/	/	0.035	0.035	0.035	0.035	0.035	0.035	N/A
		Right	0.030	0.250	0.076	0.326	0.028	0.280	0.106	0.356	0.308	0.134	0.384	N/A
		Top	/	0.634	0.019	0.653	0.075	0.634	0.019	0.653	0.709	0.094	0.728	N/A
		Bottom	0.797	/	/	/	/	0.797	0.797	0.797	0.797	0.797	0.797	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	2.115	1.071	0.650	1.721	0.095	3.186	2.765	3.836	3.281	2.860	3.931	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	N/A
		Bottom	2.137	/	/	/	/	2.137	2.137	2.137	2.137	2.137	2.137	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.282	0.494	0.296	0.790	0.127	0.776	0.578	1.072	0.903	0.705	1.199	N/A
		Left Tilt	0.447	0.439	0.313	0.752	0.088	0.886	0.760	1.199	0.974	0.848	1.287	N/A
		Right Cheek	0.481	0.305	0.101	0.406	0.060	0.786	0.582	0.887	0.846	0.642	0.947	N/A
		Right Tilt	0.432	0.286	0.083	0.369	0.087	0.718	0.515	0.801	0.805	0.602	0.888	N/A
	Body-worn	Front	0.120	0.196	0.001	0.197	0.049	0.316	0.121	0.317	0.365	0.170	0.366	N/A
		Back	0.180	0.338	0.107	0.445	0.006	0.518	0.287	0.625	0.524	0.293	0.631	N/A
	Hotspot	Front	0.075	0.273	0.001	0.274	0.074	0.348	0.076	0.349	0.422	0.150	0.423	N/A
		Back	0.146	0.426	0.398	0.824	0.002	0.572	0.544	0.970	0.574	0.546	0.972	N/A
		Left	0.108	/	/	/	/	0.108	0.108	0.108	0.108	0.108	0.108	N/A
		Right	0.226	0.250	0.076	0.326	0.028	0.476	0.302	0.552	0.504	0.330	0.580	N/A

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		Top	0.240	0.634	0.019	0.653	0.075	0.874	0.259	0.893	0.949	0.334	0.968	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	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 CDD/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 Band IV	Head	Left Cheek	0.129	0.494	0.296	0.790	0.127	0.623	0.425	0.919	0.750	0.552	1.046	N/A
		Left Tilt	0.060	0.439	0.313	0.752	0.088	0.499	0.373	0.812	0.587	0.461	0.900	N/A
		Right Cheek	0.074	0.305	0.101	0.406	0.060	0.379	0.175	0.480	0.439	0.235	0.540	N/A
		Right Tilt	0.052	0.286	0.083	0.369	0.087	0.338	0.135	0.421	0.425	0.222	0.508	N/A
	Body-worn	Front	0.583	0.196	0.001	0.197	0.049	0.779	0.584	0.780	0.828	0.633	0.829	N/A
		Back	0.973	0.338	0.107	0.445	0.006	1.311	1.080	1.418	1.317	1.086	1.424	N/A
	Hotspot	Front	0.252	0.273	0.001	0.274	0.074	0.525	0.253	0.526	0.599	0.327	0.600	N/A
		Back	0.459	0.426	0.398	0.824	0.002	0.885	0.857	1.283	0.887	0.859	1.285	N/A
		Left	0.035	/	/	/	/	0.035	0.035	0.035	0.035	0.035	0.035	N/A
		Right	0.03	0.250	0.076	0.326	0.028	0.280	0.106	0.356	0.308	0.134	0.384	N/A
		Top	/	0.634	0.019	0.653	0.075	0.634	0.019	0.653	0.709	0.094	0.728	N/A
		Bottom	0.992	/	/	/	/	0.992	0.992	0.992	0.992	0.992	0.992	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	2.143	1.071	0.650	1.721	0.095	3.214	2.793	3.864	3.309	2.888	3.959	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	N/A
		Bottom	1.71	/	/	/	/	1.710	1.710	1.710	1.710	1.710	1.710	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.237	0.494	0.296	0.790	0.127	0.731	0.533	1.027	0.858	0.660	1.154	N/A
		Left Tilt	0.315	0.439	0.313	0.752	0.088	0.754	0.628	1.067	0.842	0.716	1.155	N/A
		Right Cheek	0.694	0.305	0.101	0.406	0.060	0.999	0.795	1.100	1.059	0.855	1.160	N/A
		Right Tilt	0.538	0.286	0.083	0.369	0.087	0.824	0.621	0.907	0.911	0.708	0.994	N/A
	Body-worn	Front	0.070	0.196	0.001	0.197	0.049	0.266	0.071	0.267	0.315	0.120	0.316	N/A
		Back	0.093	0.338	0.107	0.445	0.006	0.431	0.200	0.538	0.437	0.206	0.544	N/A
	Hotspot	Front	0.139	0.273	0.001	0.274	0.074	0.412	0.140	0.413	0.486	0.214	0.487	N/A
		Back	0.185	0.426	0.398	0.824	0.002	0.611	0.583	1.009	0.613	0.585	1.011	N/A
		Left	0.298	/	/	/	/	0.298	0.298	0.298	0.298	0.298	0.298	N/A
		Right	0.019	0.250	0.076	0.326	0.028	0.269	0.095	0.345	0.297	0.123	0.373	N/A

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		Top	0.217	0.634	0.019	0.653	0.075	0.851	0.236	0.870	0.926	0.311	0.945	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	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 CDD/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 Band V	Head	Left Cheek	0.200	0.494	0.296	0.790	0.127	0.694	0.496	0.990	0.821	0.623	1.117	N/A
		Left Tilt	0.126	0.439	0.313	0.752	0.088	0.565	0.439	0.878	0.653	0.527	0.966	N/A
		Right Cheek	0.235	0.305	0.101	0.406	0.060	0.540	0.336	0.641	0.600	0.396	0.701	N/A
		Right Tilt	0.124	0.286	0.083	0.369	0.087	0.410	0.207	0.493	0.497	0.294	0.580	N/A
	Body-worn	Front	0.301	0.196	0.001	0.197	0.049	0.497	0.302	0.498	0.546	0.351	0.547	N/A
		Back	0.394	0.338	0.107	0.445	0.006	0.732	0.501	0.839	0.738	0.507	0.845	N/A
	Hotspot	Front	0.42	0.273	0.001	0.274	0.074	0.693	0.421	0.694	0.767	0.495	0.768	N/A
		Back	0.611	0.426	0.398	0.824	0.002	1.037	1.009	1.435	1.039	1.011	1.437	N/A
		Left	0.202	/	/	/	/	0.202	0.202	0.202	0.202	0.202	0.202	N/A
		Right	0.475	0.250	0.076	0.326	0.028	0.725	0.551	0.801	0.753	0.579	0.829	N/A
		Top	/	0.634	0.019	0.653	0.075	0.634	0.019	0.653	0.709	0.094	0.728	N/A
		Bottom	0.390	/	/	/	/	0.390	0.390	0.390	0.390	0.390	0.390	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.442	0.494	0.296	0.790	0.127	0.936	0.738	1.232	1.063	0.865	1.359	N/A
		Left Tilt	0.451	0.439	0.313	0.752	0.088	0.890	0.764	1.203	0.978	0.852	1.291	N/A
		Right Cheek	0.440	0.305	0.101	0.406	0.060	0.745	0.541	0.846	0.805	0.601	0.906	N/A
		Right Tilt	0.371	0.286	0.083	0.369	0.087	0.657	0.454	0.740	0.744	0.541	0.827	N/A
	Body-worn	Front	0.088	0.196	0.001	0.197	0.049	0.284	0.089	0.285	0.333	0.138	0.334	N/A
		Back	0.116	0.338	0.107	0.445	0.006	0.454	0.223	0.561	0.460	0.229	0.567	N/A
	Hotspot	Front	0.141	0.273	0.001	0.274	0.074	0.414	0.142	0.415	0.488	0.216	0.489	N/A
		Back	0.237	0.426	0.398	0.824	0.002	0.663	0.635	1.061	0.665	0.637	1.063	N/A
		Left	0.057	/	/	/	/	0.057	0.057	0.057	0.057	0.057	0.057	N/A
		Right	0.016	0.250	0.076	0.326	0.028	0.266	0.092	0.342	0.294	0.120	0.370	N/A

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		Top	0.127	0.634	0.019	0.653	0.075	0.761	0.146	0.780	0.836	0.221	0.855	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	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 CDD/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	0.145	0.494	0.296	0.790	0.127	0.639	0.441	0.935	0.766	0.568	1.062	N/A
		Left Tilt	0.040	0.439	0.313	0.752	0.088	0.479	0.353	0.792	0.567	0.441	0.880	N/A
		Right Cheek	0.081	0.305	0.101	0.406	0.060	0.386	0.182	0.487	0.446	0.242	0.547	N/A
		Right Tilt	0.071	0.286	0.083	0.369	0.087	0.357	0.154	0.440	0.444	0.241	0.527	N/A
	Body-worn	Front	0.504	0.196	0.001	0.197	0.049	0.700	0.505	0.701	0.749	0.554	0.750	N/A
		Back	0.966	0.338	0.107	0.445	0.006	1.304	1.073	1.411	1.310	1.079	1.417	N/A
	Hotspot	Front	0.300	0.273	0.001	0.274	0.074	0.573	0.301	0.574	0.647	0.375	0.648	N/A
		Back	0.546	0.426	0.398	0.824	0.002	0.972	0.944	1.370	0.974	0.946	1.372	N/A
		Left	0.041	/	/	/	/	0.041	0.041	0.041	0.041	0.041	0.041	N/A
		Right	0.040	0.250	0.076	0.326	0.028	0.290	0.116	0.366	0.318	0.144	0.394	N/A
		Top	/	0.634	0.019	0.653	0.075	0.634	0.019	0.653	0.709	0.094	0.728	N/A
		Bottom	0.763	/	/	/	/	0.763	0.763	0.763	0.763	0.763	0.763	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	2.140	1.071	0.650	1.721	0.095	3.211	2.790	3.861	3.306	2.885	3.956	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	N/A
		Bottom	1.743	/	/	/	/	1.743	1.743	1.743	1.743	1.743	1.743	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.202	0.494	0.296	0.790	0.127	0.696	0.498	0.992	0.823	0.625	1.119	N/A
		Left Tilt	0.303	0.439	0.313	0.752	0.088	0.742	0.616	1.055	0.830	0.704	1.143	N/A
		Right Cheek	0.425	0.305	0.101	0.406	0.060	0.730	0.526	0.831	0.790	0.586	0.891	N/A
		Right Tilt	0.484	0.286	0.083	0.369	0.087	0.770	0.567	0.853	0.857	0.654	0.940	N/A
	Body-worn	Front	0.108	0.196	0.001	0.197	0.049	0.304	0.109	0.305	0.353	0.158	0.354	N/A
		Back	0.137	0.338	0.107	0.445	0.006	0.475	0.244	0.582	0.481	0.250	0.588	N/A
	Hotspot	Front	0.089	0.273	0.001	0.274	0.074	0.362	0.090	0.363	0.436	0.164	0.437	N/A
		Back	0.139	0.426	0.398	0.824	0.002	0.565	0.537	0.963	0.567	0.539	0.965	N/A
		Left	0.151	/	/	/	/	0.151	0.151	0.151	0.151	0.151	0.151	N/A
		Right	0.009	0.250	0.076	0.326	0.028	0.259	0.085	0.335	0.287	0.113	0.363	N/A

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		Top	0.391	0.634	0.019	0.653	0.075	1.025	0.410	1.044	1.100	0.485	1.119	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	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 CDD/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	0.117	0.494	0.296	0.790	0.127	0.611	0.413	0.907	0.738	0.540	1.034	N/A
		Left Tilt	0.061	0.439	0.313	0.752	0.088	0.500	0.374	0.813	0.588	0.462	0.901	N/A
		Right Cheek	0.075	0.305	0.101	0.406	0.060	0.380	0.176	0.481	0.440	0.236	0.541	N/A
		Right Tilt	0.057	0.286	0.083	0.369	0.087	0.343	0.140	0.426	0.430	0.227	0.513	N/A
	Body-worn	Front	0.587	0.196	0.001	0.197	0.049	0.783	0.588	0.784	0.832	0.637	0.833	N/A
		Back	0.981	0.338	0.107	0.445	0.006	1.319	1.088	1.426	1.325	1.094	1.432	N/A
	Hotspot	Front	0.264	0.273	0.001	0.274	0.074	0.537	0.265	0.538	0.611	0.339	0.612	N/A
		Back	0.449	0.426	0.398	0.824	0.002	0.875	0.847	1.273	0.877	0.849	1.275	N/A
		Left	0.027	/	/	/	/	0.027	0.027	0.027	0.027	0.027	0.027	N/A
		Right	0.039	0.250	0.076	0.326	0.028	0.289	0.115	0.365	0.317	0.143	0.393	N/A
		Top	/	0.634	0.019	0.653	0.075	0.634	0.019	0.653	0.709	0.094	0.728	N/A
		Bottom	0.707	/	/	/	/	0.707	0.707	0.707	0.707	0.707	0.707	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	2.116	1.071	0.650	1.721	0.095	3.187	2.766	3.837	3.282	2.861	3.932	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	N/A
		Bottom	1.695	/	/	/	/	1.695	1.695	1.695	1.695	1.695	1.695	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.204	0.494	0.296	0.790	0.127	0.698	0.500	0.994	0.825	0.627	1.121	N/A
		Left Tilt	0.237	0.439	0.313	0.752	0.088	0.676	0.550	0.989	0.764	0.638	1.077	N/A
		Right Cheek	0.615	0.305	0.101	0.406	0.060	0.920	0.716	1.021	0.980	0.776	1.081	N/A
		Right Tilt	0.452	0.286	0.083	0.369	0.087	0.738	0.535	0.821	0.825	0.622	0.908	N/A
	Body-worn	Front	0.056	0.196	0.001	0.197	0.049	0.252	0.057	0.253	0.301	0.106	0.302	N/A
		Back	0.130	0.338	0.107	0.445	0.006	0.468	0.237	0.575	0.474	0.243	0.581	N/A
	Hotspot	Front	0.153	0.273	0.001	0.274	0.074	0.426	0.154	0.427	0.500	0.228	0.501	N/A
		Back	0.245	0.426	0.398	0.824	0.002	0.671	0.643	1.069	0.673	0.645	1.071	N/A
		Left	0.214	/	/	/	/	0.214	0.214	0.214	0.214	0.214	0.214	N/A
		Right	0.019	0.250	0.076	0.326	0.028	0.269	0.095	0.345	0.297	0.123	0.373	N/A

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		Top	0.179	0.634	0.019	0.653	0.075	0.813	0.198	0.832	0.888	0.273	0.907	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	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 CDD/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	0.125	0.494	0.296	0.790	0.127	0.619	0.421	0.915	0.746	0.548	1.042	N/A
		Left Tilt	0.146	0.439	0.313	0.752	0.088	0.585	0.459	0.898	0.673	0.547	0.986	N/A
		Right Cheek	0.298	0.305	0.101	0.406	0.060	0.603	0.399	0.704	0.663	0.459	0.764	N/A
		Right Tilt	0.185	0.286	0.083	0.369	0.087	0.471	0.268	0.554	0.558	0.355	0.641	N/A
	Body-worn	Front	0.302	0.196	0.001	0.197	0.049	0.498	0.303	0.499	0.547	0.352	0.548	N/A
		Back	0.374	0.338	0.107	0.445	0.006	0.712	0.481	0.819	0.718	0.487	0.825	N/A
	Hotspot	Front	0.388	0.273	0.001	0.274	0.074	0.661	0.389	0.662	0.735	0.463	0.736	N/A
		Back	0.621	0.426	0.398	0.824	0.002	1.047	1.019	1.445	1.049	1.021	1.447	N/A
		Left	0.153	/	/	/	/	0.153	0.153	0.153	0.153	0.153	0.153	N/A
		Right	0.306	0.250	0.076	0.326	0.028	0.556	0.382	0.632	0.584	0.410	0.660	N/A
		Top	/	0.634	0.019	0.653	0.075	0.634	0.019	0.653	0.709	0.094	0.728	N/A
		Bottom	0.365	/	/	/	/	0.365	0.365	0.365	0.365	0.365	0.365	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.407	0.494	0.296	0.790	0.127	0.901	0.703	1.197	1.028	0.830	1.324	N/A
		Left Tilt	0.230	0.439	0.313	0.752	0.088	0.669	0.543	0.982	0.757	0.631	1.070	N/A
		Right Cheek	0.322	0.305	0.101	0.406	0.060	0.627	0.423	0.728	0.687	0.483	0.788	N/A
		Right Tilt	0.264	0.286	0.083	0.369	0.087	0.550	0.347	0.633	0.637	0.434	0.720	N/A
	Body-worn	Front	0.072	0.196	0.001	0.197	0.049	0.268	0.073	0.269	0.317	0.122	0.318	N/A
		Back	0.060	0.338	0.107	0.445	0.006	0.398	0.167	0.505	0.404	0.173	0.511	N/A
	Hotspot	Front	0.102	0.273	0.001	0.274	0.074	0.375	0.103	0.376	0.449	0.177	0.450	N/A
		Back	0.192	0.426	0.398	0.824	0.002	0.618	0.590	1.016	0.620	0.592	1.018	N/A
		Left	0.052	/	/	/	/	0.052	0.052	0.052	0.052	0.052	0.052	N/A
		Right	0.013	0.250	0.076	0.326	0.028	0.263	0.089	0.339	0.291	0.117	0.367	N/A

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		Top	0.124	0.634	0.019	0.653	0.075	0.758	0.143	0.777	0.833	0.218	0.852	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	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 CDD/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 B7	Head	Left Cheek	0.127	0.494	0.296	0.790	0.127	0.621	0.423	0.917	0.748	0.550	1.044	N/A
		Left Tilt	0.262	0.439	0.313	0.752	0.088	0.701	0.575	1.014	0.789	0.663	1.102	N/A
		Right Cheek	0.109	0.305	0.101	0.406	0.060	0.414	0.210	0.515	0.474	0.270	0.575	N/A
		Right Tilt	0.134	0.286	0.083	0.369	0.087	0.420	0.217	0.503	0.507	0.304	0.590	N/A
	Body-worn	Front	0.607	0.196	0.001	0.197	0.049	0.803	0.608	0.804	0.852	0.657	0.853	N/A
		Back	0.344	0.338	0.107	0.445	0.006	0.682	0.451	0.789	0.688	0.457	0.795	N/A
	Hotspot	Front	0.454	0.273	0.001	0.274	0.074	0.727	0.455	0.728	0.801	0.529	0.802	N/A
		Back	0.606	0.426	0.398	0.824	0.002	1.032	1.004	1.430	1.034	1.006	1.432	N/A
		Left	0.337	/	/	/	/	0.337	0.337	0.337	0.337	0.337	0.337	N/A
		Right	0.121	0.250	0.076	0.326	0.028	0.371	0.197	0.447	0.399	0.225	0.475	N/A
		Top	/	0.634	0.019	0.653	0.075	0.634	0.019	0.653	0.709	0.094	0.728	N/A
		Bottom	0.638	/	/	/	/	0.638	0.638	0.638	0.638	0.638	0.638	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	N/A
		Bottom	1.028	/	/	/	/	1.028	1.028	1.028	1.028	1.028	1.028	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.115	0.494	0.296	0.790	0.127	0.609	0.411	0.905	0.736	0.538	1.032	N/A
		Left Tilt	0.131	0.439	0.313	0.752	0.088	0.570	0.444	0.883	0.658	0.532	0.971	N/A
		Right Cheek	0.264	0.305	0.101	0.406	0.060	0.569	0.365	0.670	0.629	0.425	0.730	N/A
		Right Tilt	0.324	0.286	0.083	0.369	0.087	0.610	0.407	0.693	0.697	0.494	0.780	N/A
	Body-worn	Front	0.107	0.196	0.001	0.197	0.049	0.303	0.108	0.304	0.352	0.157	0.353	N/A
		Back	0.217	0.338	0.107	0.445	0.006	0.555	0.324	0.662	0.561	0.330	0.668	N/A
	Hotspot	Front	0.096	0.273	0.001	0.274	0.074	0.369	0.097	0.370	0.443	0.171	0.444	N/A
		Back	0.248	0.426	0.398	0.824	0.002	0.674	0.646	1.072	0.676	0.648	1.074	N/A
		Left	0.098	/	/	/	/	0.098	0.098	0.098	0.098	0.098	0.098	N/A
		Right	0.031	0.250	0.076	0.326	0.028	0.281	0.107	0.357	0.309	0.135	0.385	N/A

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		Top	0.188	0.634	0.019	0.653	0.075	0.822	0.207	0.841	0.897	0.282	0.916	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	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 CDD/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	0.173	0.494	0.296	0.790	0.127	0.667	0.469	0.963	0.794	0.596	1.090	N/A
		Left Tilt	0.106	0.439	0.313	0.752	0.088	0.545	0.419	0.858	0.633	0.507	0.946	N/A
		Right Cheek	0.225	0.305	0.101	0.406	0.060	0.530	0.326	0.631	0.590	0.386	0.691	N/A
		Right Tilt	0.126	0.286	0.083	0.369	0.087	0.412	0.209	0.495	0.499	0.296	0.582	N/A
	Body-worn	Front	0.279	0.196	0.001	0.197	0.049	0.475	0.280	0.476	0.524	0.329	0.525	N/A
		Back	0.337	0.338	0.107	0.445	0.006	0.675	0.444	0.782	0.681	0.450	0.788	N/A
	Hotspot	Front	0.274	0.273	0.001	0.274	0.074	0.547	0.275	0.548	0.621	0.349	0.622	N/A
		Back	0.432	0.426	0.398	0.824	0.002	0.858	0.830	1.256	0.860	0.832	1.258	N/A
		Left	0.157	/	/	/	/	0.157	0.157	0.157	0.157	0.157	0.157	N/A
		Right	0.443	0.250	0.076	0.326	0.028	0.693	0.519	0.769	0.721	0.547	0.797	N/A
		Top	/	0.634	0.019	0.653	0.075	0.634	0.019	0.653	0.709	0.094	0.728	N/A
		Bottom	0.194	/	/	/	/	0.194	0.194	0.194	0.194	0.194	0.194	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.388	0.494	0.296	0.790	0.127	0.882	0.684	1.178	1.009	0.811	1.305	N/A
		Left Tilt	0.327	0.439	0.313	0.752	0.088	0.766	0.640	1.079	0.854	0.728	1.167	N/A
		Right Cheek	0.524	0.305	0.101	0.406	0.060	0.829	0.625	0.930	0.889	0.685	0.990	N/A
		Right Tilt	0.402	0.286	0.083	0.369	0.087	0.688	0.485	0.771	0.775	0.572	0.858	N/A
	Body-worn	Front	0.065	0.196	0.001	0.197	0.049	0.261	0.066	0.262	0.310	0.115	0.311	N/A
		Back	0.105	0.338	0.107	0.445	0.006	0.443	0.212	0.550	0.449	0.218	0.556	N/A
	Hotspot	Front	0.124	0.273	0.001	0.274	0.074	0.397	0.125	0.398	0.471	0.199	0.472	N/A
		Back	0.189	0.426	0.398	0.824	0.002	0.615	0.587	1.013	0.617	0.589	1.015	N/A
		Left	0.055	/	/	/	/	0.055	0.055	0.055	0.055	0.055	0.055	N/A
		Right	0.010	0.250	0.076	0.326	0.028	0.260	0.086	0.336	0.288	0.114	0.364	N/A

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		Top	0.103	0.634	0.019	0.653	0.075	0.737	0.122	0.756	0.812	0.197	0.831	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	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 CDD/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	0.166	0.494	0.296	0.790	0.127	0.660	0.462	0.956	0.787	0.589	1.083	N/A
		Left Tilt	0.097	0.439	0.313	0.752	0.088	0.536	0.410	0.849	0.624	0.498	0.937	N/A
		Right Cheek	0.214	0.305	0.101	0.406	0.060	0.519	0.315	0.620	0.579	0.375	0.680	N/A
		Right Tilt	0.096	0.286	0.083	0.369	0.087	0.382	0.179	0.465	0.469	0.266	0.552	N/A
	Body-worn	Front	0.264	0.196	0.001	0.197	0.049	0.460	0.265	0.461	0.509	0.314	0.510	N/A
		Back	0.332	0.338	0.107	0.445	0.006	0.670	0.439	0.777	0.676	0.445	0.783	N/A
	Hotspot	Front	0.275	0.273	0.001	0.274	0.074	0.548	0.276	0.549	0.622	0.350	0.623	N/A
		Back	0.367	0.426	0.398	0.824	0.002	0.793	0.765	1.191	0.795	0.767	1.193	N/A
		Left	0.232	/	/	/	/	0.232	0.232	0.232	0.232	0.232	0.232	N/A
		Right	0.432	0.250	0.076	0.326	0.028	0.682	0.508	0.758	0.710	0.536	0.786	N/A
		Top	/	0.634	0.019	0.653	0.075	0.634	0.019	0.653	0.709	0.094	0.728	N/A
		Bottom	0.186	/	/	/	/	0.186	0.186	0.186	0.186	0.186	0.186	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.300	0.494	0.296	0.790	0.127	0.794	0.596	1.090	0.921	0.723	1.217	N/A
		Left Tilt	0.256	0.439	0.313	0.752	0.088	0.695	0.569	1.008	0.783	0.657	1.096	N/A
		Right Cheek	0.305	0.305	0.101	0.406	0.060	0.610	0.406	0.711	0.670	0.466	0.771	N/A
		Right Tilt	0.343	0.286	0.083	0.369	0.087	0.629	0.426	0.712	0.716	0.513	0.799	N/A
	Body-worn	Front	0.125	0.196	0.001	0.197	0.049	0.321	0.126	0.322	0.370	0.175	0.371	N/A
		Back	0.172	0.338	0.107	0.445	0.006	0.510	0.279	0.617	0.516	0.285	0.623	N/A
	Hotspot	Front	0.267	0.273	0.001	0.274	0.074	0.540	0.268	0.541	0.614	0.342	0.615	N/A
		Back	0.395	0.426	0.398	0.824	0.002	0.821	0.793	1.219	0.823	0.795	1.221	N/A
		Left	0.125	/	/	/	/	0.125	0.125	0.125	0.125	0.125	0.125	N/A
		Right	0.025	0.250	0.076	0.326	0.028	0.275	0.101	0.351	0.303	0.129	0.379	N/A

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		Top	0.222	0.634	0.019	0.653	0.075	0.856	0.241	0.875	0.931	0.316	0.950	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	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 CDD/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 B26	Head	Left Cheek	0.240	0.494	0.296	0.790	0.127	0.734	0.536	1.030	0.861	0.663	1.157	N/A
		Left Tilt	0.139	0.439	0.313	0.752	0.088	0.578	0.452	0.891	0.666	0.540	0.979	N/A
		Right Cheek	0.306	0.305	0.101	0.406	0.060	0.611	0.407	0.712	0.671	0.467	0.772	N/A
		Right Tilt	0.121	0.286	0.083	0.369	0.087	0.407	0.204	0.490	0.494	0.291	0.577	N/A
	Body-worn	Front	0.299	0.196	0.001	0.197	0.049	0.495	0.300	0.496	0.544	0.349	0.545	N/A
		Back	0.344	0.338	0.107	0.445	0.006	0.682	0.451	0.789	0.688	0.457	0.795	N/A
	Hotspot	Front	0.274	0.273	0.001	0.274	0.074	0.547	0.275	0.548	0.621	0.349	0.622	N/A
		Back	0.554	0.426	0.398	0.824	0.002	0.980	0.952	1.378	0.982	0.954	1.380	N/A
		Left	0.093	/	/	/	/	0.093	0.093	0.093	0.093	0.093	0.093	N/A
		Right	0.026	0.250	0.076	0.326	0.028	0.276	0.102	0.352	0.304	0.130	0.380	N/A
		Top	/	0.634	0.019	0.653	0.075	0.634	0.019	0.653	0.709	0.094	0.728	N/A
		Bottom	0.334	/	/	/	/	0.334	0.334	0.334	0.334	0.334	0.334	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.411	0.494	0.296	0.790	0.127	0.905	0.707	1.201	1.032	0.834	1.328	N/A
		Left Tilt	0.366	0.439	0.313	0.752	0.088	0.805	0.679	1.118	0.893	0.767	1.206	N/A
		Right Cheek	0.370	0.305	0.101	0.406	0.060	0.675	0.471	0.776	0.735	0.531	0.836	N/A
		Right Tilt	0.308	0.286	0.083	0.369	0.087	0.594	0.391	0.677	0.681	0.478	0.764	N/A
	Body-worn	Front	0.150	0.196	0.001	0.197	0.049	0.346	0.151	0.347	0.395	0.200	0.396	N/A
		Back	0.118	0.338	0.107	0.445	0.006	0.456	0.225	0.563	0.462	0.231	0.569	N/A
	Hotspot	Front	0.219	0.273	0.001	0.274	0.074	0.492	0.220	0.493	0.566	0.294	0.567	N/A
		Back	0.257	0.426	0.398	0.824	0.002	0.683	0.655	1.081	0.685	0.657	1.083	N/A
		Left	0.097	/	/	/	/	0.097	0.097	0.097	0.097	0.097	0.097	N/A
		Right	0.022	0.250	0.076	0.326	0.028	0.272	0.098	0.348	0.300	0.126	0.376	N/A

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		Top	0.291	0.634	0.019	0.653	0.075	0.925	0.310	0.944	1.000	0.385	1.019	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	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 CDD/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 B38	Head	Left Cheek	0.081	0.494	0.296	0.790	0.127	0.575	0.377	0.871	0.702	0.504	0.998	N/A
		Left Tilt	0.295	0.439	0.313	0.752	0.088	0.734	0.608	1.047	0.822	0.696	1.135	N/A
		Right Cheek	0.139	0.305	0.101	0.406	0.060	0.444	0.240	0.545	0.504	0.300	0.605	N/A
		Right Tilt	0.158	0.286	0.083	0.369	0.087	0.444	0.241	0.527	0.531	0.328	0.614	N/A
	Body-worn	Front	0.288	0.196	0.001	0.197	0.049	0.484	0.289	0.485	0.533	0.338	0.534	N/A
		Back	0.407	0.338	0.107	0.445	0.006	0.745	0.514	0.852	0.751	0.520	0.858	N/A
	Hotspot	Front	0.393	0.273	0.001	0.274	0.074	0.666	0.394	0.667	0.740	0.468	0.741	N/A
		Back	0.477	0.426	0.398	0.824	0.002	0.903	0.875	1.301	0.905	0.877	1.303	N/A
		Left	0.213	/	/	/	/	0.213	0.213	0.213	0.213	0.213	0.213	N/A
		Right	0.179	0.250	0.076	0.326	0.028	0.429	0.255	0.505	0.457	0.283	0.533	N/A
		Top	/	0.634	0.019	0.653	0.075	0.634	0.019	0.653	0.709	0.094	0.728	N/A
		Bottom	0.541	/	/	/	/	0.541	0.541	0.541	0.541	0.541	0.541	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.185	0.494	0.296	0.790	0.127	0.679	0.481	0.975	0.806	0.608	1.102	N/A
		Left Tilt	0.208	0.439	0.313	0.752	0.088	0.647	0.521	0.960	0.735	0.609	1.048	N/A
		Right Cheek	0.375	0.305	0.101	0.406	0.060	0.680	0.476	0.781	0.740	0.536	0.841	N/A
		Right Tilt	0.440	0.286	0.083	0.369	0.087	0.726	0.523	0.809	0.813	0.610	0.896	N/A
	Body-worn	Front	0.105	0.196	0.001	0.197	0.049	0.301	0.106	0.302	0.350	0.155	0.351	N/A
		Back	0.232	0.338	0.107	0.445	0.006	0.570	0.339	0.677	0.576	0.345	0.683	N/A
	Hotspot	Front	0.105	0.273	0.001	0.274	0.074	0.378	0.106	0.379	0.452	0.180	0.453	N/A
		Back	0.282	0.426	0.398	0.824	0.002	0.708	0.680	1.106	0.710	0.682	1.108	N/A
		Left	0.083	/	/	/	/	0.083	0.083	0.083	0.083	0.083	0.083	N/A
		Right	0.025	0.250	0.076	0.326	0.028	0.275	0.101	0.351	0.303	0.129	0.379	N/A

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		Top	0.219	0.634	0.019	0.653	0.075	0.853	0.238	0.872	0.928	0.313	0.947	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	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 CDD/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 B41	Head	Left Cheek	0.077	0.494	0.296	0.790	0.127	0.571	0.373	0.867	0.698	0.500	0.994	N/A
		Left Tilt	0.291	0.439	0.313	0.752	0.088	0.730	0.604	1.043	0.818	0.692	1.131	N/A
		Right Cheek	0.179	0.305	0.101	0.406	0.060	0.484	0.280	0.585	0.544	0.340	0.645	N/A
		Right Tilt	0.125	0.286	0.083	0.369	0.087	0.411	0.208	0.494	0.498	0.295	0.581	N/A
	Body-worn	Front	0.27	0.196	0.001	0.197	0.049	0.466	0.271	0.467	0.515	0.320	0.516	N/A
		Back	0.337	0.338	0.107	0.445	0.006	0.675	0.444	0.782	0.681	0.450	0.788	N/A
	Hotspot	Front	0.398	0.273	0.001	0.274	0.074	0.671	0.399	0.672	0.745	0.473	0.746	N/A
		Back	0.525	0.426	0.398	0.824	0.002	0.951	0.923	1.349	0.953	0.925	1.351	N/A
		Left	0.28	/	/	/	/	0.280	0.280	0.280	0.280	0.280	0.280	N/A
		Right	0.155	0.250	0.076	0.326	0.028	0.405	0.231	0.481	0.433	0.259	0.509	N/A
		Top	/	0.634	0.019	0.653	0.075	0.634	0.019	0.653	0.709	0.094	0.728	N/A
		Bottom	0.599	/	/	/	/	0.599	0.599	0.599	0.599	0.599	0.599	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G CDD/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	0.195	0.494	0.296	0.790	0.127	0.689	0.491	0.985	0.816	0.618	1.112	N/A
		Left Tilt	0.201	0.439	0.313	0.752	0.088	0.640	0.514	0.953	0.728	0.602	1.041	N/A
		Right Cheek	0.400	0.305	0.101	0.406	0.060	0.705	0.501	0.806	0.765	0.561	0.866	N/A
		Right Tilt	0.421	0.286	0.083	0.369	0.087	0.707	0.504	0.790	0.794	0.591	0.877	N/A
	Body-worn	Front	0.095	0.196	0.001	0.197	0.049	0.291	0.096	0.292	0.340	0.145	0.341	N/A
		Back	0.245	0.338	0.107	0.445	0.006	0.583	0.352	0.690	0.589	0.358	0.696	N/A
	Hotspot	Front	0.091	0.273	0.001	0.274	0.074	0.364	0.092	0.365	0.438	0.166	0.439	N/A
		Back	0.302	0.426	0.398	0.824	0.002	0.728	0.700	1.126	0.730	0.702	1.128	N/A
		Left	0.078	/	/	/	/	0.078	0.078	0.078	0.078	0.078	0.078	N/A
		Right	0.018	0.250	0.076	0.326	0.028	0.268	0.094	0.344	0.296	0.122	0.372	N/A

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		Top	0.342	0.634	0.019	0.653	0.075	0.976	0.361	0.995	1.051	0.436	1.070	N/A
		Bottom	/	/	/	/	/	/	/	/	/	/	/	N/A
	Limbs	Front	/	1.231	0.015	1.246	0.117	1.231	0.015	1.246	1.348	0.132	1.363	N/A
		Back	/	1.071	0.650	1.721	0.095	1.071	0.650	1.721	1.166	0.745	1.816	N/A
		Left	/	/	/	/	/	/	/	/	/	/	/	N/A
		Right	/	0.797	0.166	0.963	0.064	0.797	0.166	0.963	0.861	0.230	1.027	N/A
		Top	/	1.967	0.035	2.002	0.171	1.967	0.035	2.002	2.138	0.206	2.173	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 850	Head	Left Cheek	0.217	0.433	0.296	0.946	N/A
		Left Tilt	0.146	0.559	0.313	1.018	N/A
		Right Cheek	0.289	0.281	0.101	0.671	N/A
		Right Tilt	0.149	0.396	0.083	0.628	N/A
	Body-worn	Front(voice)	0.303	0.061	0.001	0.365	N/A
		Back(voice)	0.368	0.065	0.107	0.540	N/A
		Front(data)	0.365	0.061	0.001	0.427	N/A
		Back(data)	0.441	0.065	0.107	0.613	N/A
	Hotspot	Front	0.371	0.103	0.001	0.475	N/A
		Back	0.623	0.130	0.398	1.151	N/A
		Left	0.19	/	/	0.190	N/A
		Right	0.445	0.124	0.076	0.645	N/A
		Top	/	0.213	0.019	0.232	N/A
		Bottom	0.463	/	/	0.463	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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	0.325	0.433	0.296	1.054	N/A
		Left Tilt	0.306	0.559	0.313	1.178	N/A
		Right Cheek	0.302	0.281	0.101	0.684	N/A
		Right Tilt	0.308	0.396	0.083	0.787	N/A
	Body-worn	Front(voice)	0.043	0.061	0.001	0.105	N/A
		Back(voice)	0.046	0.065	0.107	0.218	N/A
		Front(data)	0.063	0.061	0.001	0.125	N/A
		Back(data)	0.059	0.065	0.107	0.231	N/A
	Hotspot	Front	0.158	0.103	0.001	0.262	N/A

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		Back	0.254	0.130	0.398	0.782	N/A
		Left	0.053	/	/	0.053	N/A
		Right	0.016	0.124	0.076	0.216	N/A
		Top	0.115	0.213	0.019	0.347	N/A
		Bottom	/	/	/	/	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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	0.076	0.433	0.296	0.805	N/A
		Left Tilt	0.033	0.559	0.313	0.905	N/A
		Right Cheek	0.045	0.281	0.101	0.427	N/A
		Right Tilt	0.045	0.396	0.083	0.524	N/A
	Body-worn	Front(voice)	0.287	0.061	0.001	0.349	N/A
		Back(voice)	0.46	0.065	0.107	0.632	N/A
		Front(data)	0.346	0.061	0.001	0.408	N/A
		Back(data)	0.662	0.065	0.107	0.834	N/A
	Hotspot	Front	0.257	0.103	0.001	0.361	N/A
		Back	0.435	0.130	0.398	0.963	N/A
		Left	0.034	/	/	0.034	N/A
		Right	0.03	0.124	0.076	0.230	N/A
		Top	/	0.213	0.019	0.232	N/A
		Bottom	0.811	/	/	0.811	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	1.855	/	0.650	2.505	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	N/A
		Bottom	1.058	/	/	1.058	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	0.109	0.433	0.296	0.838	N/A
		Left Tilt	0.194	0.559	0.313	1.066	N/A
		Right Cheek	0.178	0.281	0.101	0.560	N/A
		Right Tilt	0.222	0.396	0.083	0.701	N/A
	Body-worn	Front(voice)	0.029	0.061	0.001	0.091	N/A
		Back(voice)	0.039	0.065	0.107	0.211	N/A
		Front(data)	0.027	0.061	0.001	0.089	N/A
		Back(data)	0.033	0.065	0.107	0.205	N/A

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	Hotspot	Front	0.059	0.103	0.001	0.163	N/A
		Back	0.076	0.130	0.398	0.604	N/A
		Left	0.062	/	/	0.062	N/A
		Right	0.018	0.124	0.076	0.218	N/A
		Top	0.162	0.213	0.019	0.394	N/A
		Bottom	/	/	/	/	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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 Band II	Head	Left Cheek	0.15	0.433	0.296	0.879	N/A
		Left Tilt	0.059	0.559	0.313	0.931	N/A
		Right Cheek	0.082	0.281	0.101	0.464	N/A
		Right Tilt	0.084	0.396	0.083	0.563	N/A
	Body-worn	Front	0.543	0.061	0.001	0.605	N/A
		Back	0.921	0.065	0.107	1.093	N/A
	Hotspot	Front	0.252	0.103	0.001	0.356	N/A
		Back	0.459	0.130	0.398	0.987	N/A
		Left	0.035	/	/	0.035	N/A
		Right	0.03	0.124	0.076	0.230	N/A
		Top	/	0.213	0.019	0.232	N/A
		Bottom	0.797	/	/	0.797	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	2.115	/	0.650	2.765	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	N/A
		Bottom	2.137	/	/	2.137	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	0.282	0.433	0.296	1.011	N/A
		Left Tilt	0.447	0.559	0.313	1.319	N/A
		Right Cheek	0.481	0.281	0.101	0.863	N/A
		Right Tilt	0.432	0.396	0.083	0.911	N/A
	Body-worn	Front	0.120	0.061	0.001	0.182	N/A
		Back	0.180	0.065	0.107	0.352	N/A
	Hotspot	Front	0.075	0.103	0.001	0.179	N/A
		Back	0.146	0.130	0.398	0.674	N/A
		Left	0.108	/	/	0.108	N/A

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		Right	0.226	0.124	0.076	0.426	N/A
		Top	0.240	0.213	0.019	0.472	N/A
		Bottom	/	/	/	/	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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 Band IV	Head	Left Cheek	0.129	0.433	0.296	0.858	N/A
		Left Tilt	0.06	0.559	0.313	0.932	N/A
		Right Cheek	0.074	0.281	0.101	0.456	N/A
		Right Tilt	0.052	0.396	0.083	0.531	N/A
	Body-worn	Front	0.583	0.061	0.001	0.645	N/A
		Back	0.973	0.065	0.107	1.145	N/A
	Hotspot	Front	0.252	0.103	0.001	0.356	N/A
		Back	0.459	0.130	0.398	0.987	N/A
		Left	0.035	/	/	0.035	N/A
		Right	0.03	0.124	0.076	0.230	N/A
		Top	/	0.213	0.019	0.232	N/A
		Bottom	0.992	/	/	0.992	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	2.143	/	0.650	2.793	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	N/A
		Bottom	1.71	/	/	1.710	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	0.237	0.433	0.296	0.966	N/A
		Left Tilt	0.315	0.559	0.313	1.187	N/A
		Right Cheek	0.694	0.281	0.101	1.076	N/A
		Right Tilt	0.538	0.396	0.083	1.017	N/A
	Body-worn	Front	0.070	0.061	0.001	0.132	N/A
		Back	0.093	0.065	0.107	0.265	N/A
	Hotspot	Front	0.139	0.103	0.001	0.243	N/A
		Back	0.185	0.130	0.398	0.713	N/A
		Left	0.298	/	/	0.298	N/A
		Right	0.019	0.124	0.076	0.219	N/A
		Top	0.217	0.213	0.019	0.449	N/A
		Bottom	/	/	/	/	N/A

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	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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 Band V	Head	Left Cheek	0.2	0.433	0.296	0.929	N/A
		Left Tilt	0.126	0.559	0.313	0.998	N/A
		Right Cheek	0.235	0.281	0.101	0.617	N/A
		Right Tilt	0.124	0.396	0.083	0.603	N/A
	Body-worn	Front	0.301	0.061	0.001	0.363	N/A
		Back	0.394	0.065	0.107	0.566	N/A
	Hotspot	Front	0.42	0.103	0.001	0.524	N/A
		Back	0.611	0.130	0.398	1.139	N/A
		Left	0.202	/	/	0.202	N/A
		Right	0.475	0.124	0.076	0.675	N/A
		Top	/	0.213	0.019	0.232	N/A
		Bottom	0.39	/	/	0.390	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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	0.442	0.433	0.296	1.171	N/A
		Left Tilt	0.451	0.559	0.313	1.323	N/A
		Right Cheek	0.440	0.281	0.101	0.822	N/A
		Right Tilt	0.371	0.396	0.083	0.850	N/A
	Body-worn	Front	0.088	0.061	0.001	0.150	N/A
		Back	0.116	0.065	0.107	0.288	N/A
	Hotspot	Front	0.141	0.103	0.001	0.245	N/A
		Back	0.237	0.130	0.398	0.765	N/A
		Left	0.057	/	/	0.057	N/A
		Right	0.016	0.124	0.076	0.216	N/A
		Top	0.127	0.213	0.019	0.359	N/A
		Bottom	/	/	/	/	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A

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		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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	0.145	0.433	0.296	0.874	N/A
		Left Tilt	0.04	0.559	0.313	0.912	N/A
		Right Cheek	0.081	0.281	0.101	0.463	N/A
		Right Tilt	0.071	0.396	0.083	0.550	N/A
	Body-worn	Front	0.504	0.061	0.001	0.566	N/A
		Back	0.966	0.065	0.107	1.138	N/A
	Hotspot	Front	0.3	0.103	0.001	0.404	N/A
		Back	0.546	0.130	0.398	1.074	N/A
		Left	0.041	/	/	0.041	N/A
		Right	0.04	0.124	0.076	0.240	N/A
		Top	/	0.213	0.019	0.232	N/A
		Bottom	0.763	/	/	0.763	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	2.14	/	0.650	2.790	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	N/A
		Bottom	1.743	/	/	1.743	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	0.202	0.433	0.296	0.931	N/A
		Left Tilt	0.303	0.559	0.313	1.175	N/A
		Right Cheek	0.425	0.281	0.101	0.807	N/A
		Right Tilt	0.484	0.396	0.083	0.963	N/A
	Body-worn	Front	0.108	0.061	0.001	0.170	N/A
		Back	0.137	0.065	0.107	0.309	N/A
	Hotspot	Front	0.089	0.103	0.001	0.193	N/A
		Back	0.139	0.130	0.398	0.667	N/A
		Left	0.151	/	/	0.151	N/A
		Right	0.009	0.124	0.076	0.209	N/A
		Top	0.391	0.213	0.019	0.623	N/A
		Bottom	/	/	/	/	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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.
LTE B4	Head	Left Cheek	0.117	0.433	0.296	0.846	N/A
		Left Tilt	0.061	0.559	0.313	0.933	N/A
		Right Cheek	0.075	0.281	0.101	0.457	N/A
		Right Tilt	0.057	0.396	0.083	0.536	N/A
	Body-worn	Front	0.587	0.061	0.001	0.649	N/A
		Back	0.981	0.065	0.107	1.153	N/A
	Hotspot	Front	0.264	0.103	0.001	0.368	N/A
		Back	0.449	0.130	0.398	0.977	N/A
		Left	0.027	/	/	0.027	N/A
		Right	0.039	0.124	0.076	0.239	N/A
		Top	/	0.213	0.019	0.232	N/A
		Bottom	0.707	/	/	0.707	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	2.116	/	0.650	2.766	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	N/A
		Bottom	1.695	/	/	1.695	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	0.204	0.433	0.296	0.933	N/A
		Left Tilt	0.237	0.559	0.313	1.109	N/A
		Right Cheek	0.615	0.281	0.101	0.997	N/A
		Right Tilt	0.452	0.396	0.083	0.931	N/A
	Body-worn	Front	0.056	0.061	0.001	0.118	N/A
		Back	0.130	0.065	0.107	0.302	N/A
	Hotspot	Front	0.153	0.103	0.001	0.257	N/A
		Back	0.245	0.130	0.398	0.773	N/A
		Left	0.214	/	/	0.214	N/A
		Right	0.019	0.124	0.076	0.219	N/A
		Top	0.179	0.213	0.019	0.411	N/A
		Bottom	/	/	/	/	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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.
LTE B5	Head	Left Cheek	0.125	0.433	0.296	0.854	N/A
		Left Tilt	0.146	0.559	0.313	1.018	N/A
		Right Cheek	0.298	0.281	0.101	0.680	N/A
		Right Tilt	0.185	0.396	0.083	0.664	N/A
	Body-worn	Front	0.302	0.061	0.001	0.364	N/A
		Back	0.374	0.065	0.107	0.546	N/A
	Hotspot	Front	0.388	0.103	0.001	0.492	N/A
		Back	0.621	0.130	0.398	1.149	N/A
		Left	0.153	/	/	0.153	N/A
		Right	0.306	0.124	0.076	0.506	N/A
		Top	/	0.213	0.019	0.232	N/A
		Bottom	0.365	/	/	0.365	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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	0.407	0.433	0.296	1.136	N/A
		Left Tilt	0.230	0.559	0.313	1.102	N/A
		Right Cheek	0.322	0.281	0.101	0.704	N/A
		Right Tilt	0.264	0.396	0.083	0.743	N/A
	Body-worn	Front	0.072	0.061	0.001	0.134	N/A
		Back	0.060	0.065	0.107	0.232	N/A
	Hotspot	Front	0.102	0.103	0.001	0.206	N/A
		Back	0.192	0.130	0.398	0.720	N/A
		Left	0.052	/	/	0.052	N/A
		Right	0.013	0.124	0.076	0.213	N/A
		Top	0.124	0.213	0.019	0.356	N/A
		Bottom	/	/	/	/	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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.
LTE B7	Head	Left Cheek	0.127	0.433	0.296	0.856	N/A
		Left Tilt	0.262	0.559	0.313	1.134	N/A
		Right Cheek	0.109	0.281	0.101	0.491	N/A
		Right Tilt	0.134	0.396	0.083	0.613	N/A
	Body-worn	Front	0.607	0.061	0.001	0.669	N/A
		Back	0.344	0.065	0.107	0.516	N/A
	Hotspot	Front	0.454	0.103	0.001	0.558	N/A
		Back	0.606	0.130	0.398	1.134	N/A
		Left	0.337	/	/	0.337	N/A
		Right	0.121	0.124	0.076	0.321	N/A
		Top	/	0.213	0.019	0.232	N/A
		Bottom	0.638	/	/	0.638	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	N/A
		Bottom	1.028	/	/	1.028	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	0.115	0.433	0.296	0.844	N/A
		Left Tilt	0.131	0.559	0.313	1.003	N/A
		Right Cheek	0.264	0.281	0.101	0.646	N/A
		Right Tilt	0.324	0.396	0.083	0.803	N/A
	Body-worn	Front	0.107	0.061	0.001	0.169	N/A
		Back	0.217	0.065	0.107	0.389	N/A
	Hotspot	Front	0.096	0.103	0.001	0.200	N/A
		Back	0.248	0.130	0.398	0.776	N/A
		Left	0.098	/	/	0.098	N/A
		Right	0.031	0.124	0.076	0.231	N/A
		Top	0.188	0.213	0.019	0.420	N/A
		Bottom	/	/	/	/	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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.
LTE B12	Head	Left Cheek	0.173	0.433	0.296	0.902	N/A
		Left Tilt	0.106	0.559	0.313	0.978	N/A
		Right Cheek	0.225	0.281	0.101	0.607	N/A
		Right Tilt	0.126	0.396	0.083	0.605	N/A
	Body-worn	Front	0.279	0.061	0.001	0.341	N/A
		Back	0.337	0.065	0.107	0.509	N/A
	Hotspot	Front	0.274	0.103	0.001	0.378	N/A
		Back	0.432	0.130	0.398	0.960	N/A
		Left	0.157	/	/	0.157	N/A
		Right	0.443	0.124	0.076	0.643	N/A
		Top	/	0.213	0.019	0.232	N/A
		Bottom	0.194	/	/	0.194	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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	0.388	0.433	0.296	1.117	N/A
		Left Tilt	0.327	0.559	0.313	1.199	N/A
		Right Cheek	0.524	0.281	0.101	0.906	N/A
		Right Tilt	0.402	0.396	0.083	0.881	N/A
	Body-worn	Front	0.065	0.061	0.001	0.127	N/A
		Back	0.105	0.065	0.107	0.277	N/A
	Hotspot	Front	0.124	0.103	0.001	0.228	N/A
		Back	0.189	0.130	0.398	0.717	N/A
		Left	0.055	/	/	0.055	N/A
		Right	0.010	0.124	0.076	0.210	N/A
		Top	0.103	0.213	0.019	0.335	N/A
		Bottom	/	/	/	/	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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.
LTE B26	Head	Left Cheek	0.166	0.433	0.296	0.895	N/A
		Left Tilt	0.097	0.559	0.313	0.969	N/A
		Right Cheek	0.214	0.281	0.101	0.596	N/A
		Right Tilt	0.096	0.396	0.083	0.575	N/A
	Body-worn	Front	0.264	0.061	0.001	0.326	N/A
		Back	0.332	0.065	0.107	0.504	N/A
	Hotspot	Front	0.275	0.103	0.001	0.379	N/A
		Back	0.367	0.130	0.398	0.895	N/A
		Left	0.232	/	/	0.232	N/A
		Right	0.432	0.124	0.076	0.632	N/A
		Top	/	0.213	0.019	0.232	N/A
		Bottom	0.186	/	/	0.186	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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	0.300	0.433	0.296	1.029	N/A
		Left Tilt	0.256	0.559	0.313	1.128	N/A
		Right Cheek	0.305	0.281	0.101	0.687	N/A
		Right Tilt	0.343	0.396	0.083	0.822	N/A
	Body-worn	Front	0.125	0.061	0.001	0.187	N/A
		Back	0.172	0.065	0.107	0.344	N/A
	Hotspot	Front	0.267	0.103	0.001	0.371	N/A
		Back	0.395	0.130	0.398	0.923	N/A
		Left	0.125	/	/	0.125	N/A
		Right	0.025	0.124	0.076	0.225	N/A
		Top	0.222	0.213	0.019	0.454	N/A
		Bottom	/	/	/	/	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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.
LTE B38	Head	Left Cheek	0.24	0.433	0.296	0.969	N/A
		Left Tilt	0.139	0.559	0.313	1.011	N/A
		Right Cheek	0.306	0.281	0.101	0.688	N/A
		Right Tilt	0.121	0.396	0.083	0.600	N/A
	Body-worn	Front	0.299	0.061	0.001	0.361	N/A
		Back	0.344	0.065	0.107	0.516	N/A
	Hotspot	Front	0.274	0.103	0.001	0.378	N/A
		Back	0.554	0.130	0.398	1.082	N/A
		Left	0.093	/	/	0.093	N/A
		Right	0.026	0.124	0.076	0.226	N/A
		Top	/	0.213	0.019	0.232	N/A
		Bottom	0.334	/	/	0.334	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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	0.411	0.433	0.296	1.140	N/A
		Left Tilt	0.366	0.559	0.313	1.238	N/A
		Right Cheek	0.370	0.281	0.101	0.752	N/A
		Right Tilt	0.308	0.396	0.083	0.787	N/A
	Body-worn	Front	0.150	0.061	0.001	0.212	N/A
		Back	0.118	0.065	0.107	0.290	N/A
	Hotspot	Front	0.219	0.103	0.001	0.323	N/A
		Back	0.257	0.130	0.398	0.785	N/A
		Left	0.097	/	/	0.097	N/A
		Right	0.022	0.124	0.076	0.222	N/A
		Top	0.291	0.213	0.019	0.523	N/A
		Bottom	/	/	/	/	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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.
LTE B41	Head	Left Cheek	0.077	0.433	0.296	0.806	N/A
		Left Tilt	0.291	0.559	0.313	1.163	N/A
		Right Cheek	0.179	0.281	0.101	0.561	N/A
		Right Tilt	0.125	0.396	0.083	0.604	N/A
	Body-worn	Front	0.27	0.061	0.001	0.332	N/A
		Back	0.337	0.065	0.107	0.509	N/A
	Hotspot	Front	0.398	0.103	0.001	0.502	N/A
		Back	0.525	0.130	0.398	1.053	N/A
		Left	0.28	/	/	0.280	N/A
		Right	0.155	0.124	0.076	0.355	N/A
		Top	/	0.213	0.019	0.232	N/A
		Bottom	0.599	/	/	0.599	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	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	0.195	0.433	0.296	0.924	N/A
		Left Tilt	0.201	0.559	0.313	1.073	N/A
		Right Cheek	0.400	0.281	0.101	0.782	N/A
		Right Tilt	0.421	0.396	0.083	0.900	N/A
	Body-worn	Front	0.095	0.061	0.001	0.157	N/A
		Back	0.245	0.065	0.107	0.417	N/A
	Hotspot	Front	0.091	0.103	0.001	0.195	N/A
		Back	0.302	0.130	0.398	0.830	N/A
		Left	0.078	/	/	0.078	N/A
		Right	0.018	0.124	0.076	0.218	N/A
		Top	0.342	0.213	0.019	0.574	N/A
		Bottom	/	/	/	/	N/A
	Limbs	Front	/	/	0.015	0.015	N/A
		Back	/	/	0.650	0.650	N/A
		Left	/	/	/	/	N/A
		Right	/	/	0.166	0.166	N/A
		Top	/	/	0.035	0.035	N/A
		Bottom	/	/	/	/	N/A

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9 Equipment list

Test Platform	SPEAG DASY5 Professional
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
☒	Twin Phantom	SPEAG	SAM 1	1912	NCR	NCR
☒	Twin Phantom	SPEAG	SAM 2	1640	NCR	NCR
☒	Twin Phantom	SPEAG	SAM 1	1283	NCR	NCR
☒	Twin Phantom	SPEAG	SAM 2	1913	NCR	NCR
☒	Flat Phantom	SPEAG	ELI v5.0	1239	NCR	NCR
☒	DAE	SPEAG	DAE4	1374	2017-08-31	2018-08-30
☒	DAE	SPEAG	DAE4	896	2017-09-27	2018-09-26
☒	DAE	SPEAG	DAE4	1267	2017-11-28	2018-11-27
☒	E-Field Probe	SPEAG	EX3DV4	3962	2018-01-11	2019-01-10
☒	E-Field Probe	SPEAG	EX3DV4	3789	2018-02-08	2019-02-07
☒	E-Field Probe	SPEAG	EX3DV4	3923	2017-08-24	2018-08-23
☒	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	D1900V2	5d028	2016-12-07	2019-12-06
☒	Validation Kits	SPEAG	D2450V2	733	2016-12-07	2019-12-06
☒	Validation Kits	SPEAG	D2600V2	1125	2016-06-22	2019-06-21
☒	Validation Kits	SPEAG	D5GHzV2	1165	2016-12-13	2019-12-12
☒	Agilent Network Analyzer	Agilent	E5071C	MY46523590	2018-03-13	2019-03-12
☒	Dielectric Probe Kit	Agilent	85070E	US01440210	NCR	NCR
☒	Universal Radio Communication Tester	R&S	CMU200	123090	2018-06-21	2019-06-20
☒	Radio Communication Analyzer	Anritsu	MT8821C	6201502984	2018-05-02	2019-05-01
☒	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
☒	Preamplifier	Compliance Directions Systems Inc.	AMP28-3W	073501433	NCR	NCR
☒	Power Meter	Agilent	E4416A	GB41292095	2018-03-13	2019-03-12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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☒	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	2018-03-19	2019-03-18
☒	Humidity and Temperature Indicator	KIMTOKA	KIMTOKA	NA	2018-03-19	2019-03-18

10 Calibration certificate

Please see the Appendix C

11 Photographs

Please see the Appendix D

Appendix A: Detailed System Validation Results

Appendix B: Detailed Test Results

Appendix C: Calibration certificate

Appendix D: Photographs

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