FCC SAR Compliance Test Report

Product Name:	Smart Phone
Model:	ELE-L04
Report No.:	SYBH(Z-SAR)20181115007001-2
FCC ID:	QISELE-L04

	APPROVED (Lab Manager)	PREPARED (Test Engineer)
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DATE	2019-01-10	2019-01-10

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1. The laboratory has passed the accreditation by China National Accreditation Service for Conformity Assessment (CNAS). The accreditation number is L0310.

2. The laboratory has passed the accreditation by The American Association for Laboratory Accreditation (A2LA). The accreditation number is 2174.01 & 2174.02 & 2174.03

3. The laboratory (Reliability Lab of Huawei Technologies Co., Ltd) is also named “Global Compliance and Testing Center of Huawei Technologies Co., Ltd”, the both names have coexisted since 2009.

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※ ※ Modified History ※ ※

REV.	DESCRIPTION	ISSUED DATE	REMARK
Rev.1.0	Initial Test Report Release	2018-12-20	Sun Shaobin
Rev.1.1	Delete LTE Band 40 in the general description	2019-01-07	Sun Shaobin
Rev.1.2	Section 6.9.4: Add the power level description for proximity sensor failure per KDB616217	2019-01-10	Sun Shaobin

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1 General Information

1.1 Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing in this report are as below Table 1.

Band	Max Reported SAR(W/kg)			
	1-g Head	1-g Body-worn (15mm) *	1-g Hotspot (10mm)	Product Specific 10-g SAR (0mm)**
GSM850	0.31	0.32	0.54	/
GSM1900	0.30	0.16	0.59	/
UMTS Band II	0.27	0.41	0.40	/
UMTS Band IV	0.45	0.51	**0.68**	**1.82**
UMTS Band V	0.28	0.37	0.43	/
LTE Band 2	0.37	0.37	0.65	/
LTE Band 4	0.33	**0.56**	0.48	/
LTE Band 5	0.44	0.44	0.58	/
LTE Band 7	0.29	0.41	0.63	/
LTE Band 12	**0.53**	0.37	0.57	/
LTE Band 17***	0.42	0.07	0.14	/
LTE Band 26	0.49	0.41	0.59	/
LTE Band 38	0.44	0.25	0.59	/
LTE Band 41	0.42	0.31	0.50	/
LTE Band 66	0.39	0.47	0.42	/
WiFi 2.4G	0.51	0.22	0.44	1.66
WiFi 5G	0.20	0.16	0.16	1.75
BT	0.31	0.17	0.34	/
The highest reported SAR for Head, Body Worn, Hotspot, Simultaneous transmission and Product Specific 10-g SAR exposure conditions are 0.53 W/kg, 0.56 W/kg, 0.68 W/kg, 1.11W/kg and 1.82 W/kg respectively per KDB690783 D01.				

Table 1:Summary of test result

Note:

1)* For body worn operation, this device has been tested and meets FCC RF exposure guidelines when used with any accessory that contains no metal and that positions the handset a minimum of 15mm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

2)** For Product Specific 10-g SAR operation, this device has been tested and meets the 10-g SAR limits of 4.0 W/kg for general population/ uncontrolled exposure according to ANSI C95.1:1992/IEEE C95.1:1991

3) *** According to TCB workshop October,2014 RF Exposure Procedures Update(Overlapping LTE Bands): SAR for Main antenna LTE Band 17 (Frequency range:704-716 MHz) is covered by LTE Band 12 (Frequency range:699-716 MHz) due to similar frequency range,same maximum tune up limit and same channel bandwidth.

The device is in compliance with Specific Absorption Rate（SAR）for general population/uncontrolled exposure limits according to the FCC rule §2.1093, the ANSI C95.1:1992/IEEE C95.1:1991, the NCRP Report Number 86 for uncontrolled environment, and had been tested in accordance with the measurement methods and procedures specified in IEEE Std 1528-2013.

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1.2 RF exposure limits

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

Table 2: RF exposure limits

The limit applied in this test report is shown in **bold** letters

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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1.3 EUT Description

Device Information：			
Product Name:	Smart Phone		
Model:	ELE-L04		
FCC ID :	QISELE-L04		
SN:	1#:JND0118A23000175 2#:JND0118A23000070 3#:JND0118A23000010 4#:JND0118A23000179 5#:JND0118A23000168 6#:JND0118A23000082 7#:JND0118A23000163 8#:JND0118A23000160		
Device Type :	Portable device		
Device Phase:	Identical Prototype		
Exposure Category:	Uncontrolled environment / general population		
Hardware Version :	HL1ELLEM		
Software Version :	5.1.0.34(SP1C792E8R1P7)		
Antenna Type :	Internal antenna		
Others Accessories	Headset		
Device Operating Configurations:			
Supporting Mode(s)	GSM850/1900, UMTS Band II/IV/V, LTE Band 2/4/5/7/12/17/26/38/41/66, WiFi 2.4G/5G, BT, NFC		
Test Modulation	GSM(GMSK/8PSK),UMTS(QPSK), LTE(QPSK/16QAM/64QAM), WiFi(DSSS/OFDM),BT(GFSK)		
Device Class	B		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	GSM850	824-849	869 - 894
	GSM1900	1850-1910	1930-1990
	UMTS Band II	1850-1910	1930-1990
	UMTS Band IV	1710-1755	2110-2115
	UMTS Band V	824-849	869 - 894
	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	
	LTE Band 41	2535-2655	
	LTE Band 66	1710-1780	2110-2200
	BT	2400-2483.5	
	WiFi 2.4G	2400-2472	
	WiFi 5G	5150-5350 5470-5725 5725-5850	
	NFC	13.56	
GPRS Multislot Class(12)	Max Number of Timeslots in Uplink:		4
	Max Number of Timeslots in Downlink:		4

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	Max Total Timeslot:	5
EGPRS Multislot Class(12)	Max Number of Timeslots in Uplink:	4
	Max Number of Timeslots in Downlink:	4
	Max Total Timeslot:	5
HSDPA UE Category	14	
HSUPA UE Category	6	
DC-HSDPA UE Category	24	
Power Class:	4,tested with power level 5(GSM850)	
	1,tested with power level 0(GSM1900)	
	3, tested with power control “all 1”(UMTS Band II)	
	3, tested with power control “all 1”(UMTS Band IV)	
	3, tested with power control “all 1”(UMTS Band V)	
	3, tested with power control all Max.(LTE Band 2)	
	3, tested with power control all Max.(LTE Band 4)	
	3, tested with power control all Max.(LTE Band 5)	
	3, tested with power control all Max.(LTE Band 7)	
	3, tested with power control all Max.(LTE Band 12)	
	3, tested with power control all Max.(LTE Band 17)	
	3, tested with power control all Max.(LTE Band 26)	
	3, tested with power control all Max.(LTE Band 38)	
	3, tested with power control all Max.(LTE Band 41)	
	3, tested with power control all Max.(LTE Band 66)	
Test Channels (low-mid-high):	128-190-251(GSM850)	
	512-661-810(GSM1900)	
	9262-9400-9538(UMTS Band II)	
	1312-1413-1513(UMTS Band IV)	
	4132-4182-4233(UMTS Band V)	
	18607-18900-19193(LTE Band 2 BW=1.4MHz)	
	18615-18900-19185(LTE Band 2 BW=3MHz)	
	18625-18900-19175(LTE Band 2 BW=5MHz)	
	18650-18900-19150(LTE Band 2 BW=10MHz)	
	18675-18900-19125(LTE Band 2 BW=15MHz)	
	18700-18900-19100(LTE Band 2 BW=20MHz)	
	19957-20175-20393(LTE Band 4 BW=1.4MHz)	
	19965-20175-20385(LTE Band 4 BW=3MHz)	
	19975-20175-20375(LTE Band 4 BW=5MHz)	
	20000-20175-20350(LTE Band 4 BW=10MHz)	
	20025-20175-20325(LTE Band 4 BW=15MHz)	
	20050-20175-20300(LTE Band 4 BW=20MHz)	
	20407-20525-20643(LTE Band 5 BW=1.4MHz)	
	20415-20525-20635(LTE Band 5 BW=3MHz)	
	20425-20525-20625(LTE Band 5 BW=5MHz)	
	20450-20525-20600(LTE Band 5 BW=10MHz)	
	20775-21100-21425(LTE Band 7 BW=5MHz)	
	20800-21100-21400(LTE Band 7 BW=10MHz)	
	20825-21100-21375(LTE Band 7 BW=15MHz)	
	20850-21100-21350(LTE Band 7 BW=20MHz)	
	23017-23095-23173(LTE Band 12 BW=1.4MHz)	
	23025-23095-23165(LTE Band 12 BW=3MHz)	
	23035-23095-23155(LTE Band 12 BW=5MHz)	
	23060-23095-23130(LTE Band 12 BW=10MHz)	
	23755-23790-23825(LTE Band 17 BW=5MHz)	
	23780-23790-23800(LTE Band 17 BW=10MHz)	

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	26697-26865-27033(LTE Band 26 BW=1.4MHz)
	26705-26865-27025(LTE Band 26 BW=3MHz)
	26715-26865-27015(LTE Band 26 BW=5MHz)
	26740-26865-26990(LTE Band 26 BW=10MHz)
	26765-26865-26965(LTE Band 26 BW=15MHz)
	37775-38000-38225(LTE Band 38 BW=5MHz)
	37800-38000-38200(LTE Band 38 BW=10MHz)
	37825-38000-38175(LTE Band 38 BW=15MHz)
	37850-38000-38150(LTE Band 38 BW=20MHz)
	40065-40448-40832-41215(LTE Band 41 BW=5MHz)
	40090-40457-40823-41190(LTE Band 41 BW=10MHz)
	40115-40465-40815-41165(LTE Band 41 BW=15MHz)
	40140-40473-40807-41140(LTE Band 41 BW=20MHz)
	131979-132322-132665(LTE Band 66 BW=1.4MHz)
	131987-132322-132657(LTE Band 66 BW=3MHz)
	131997-132322-132647(LTE Band 66 BW=5MHz)
	132022-132322-132622(LTE Band 66 BW=10MHz)
	132047-132322-132597(LTE Band 66 BW=15MHz)
	132072-132322-132572(LTE Band 66 BW=20MHz)
	802.11b/g/n 20M:1-2-6-7-10-11-12-13 (WiFi 2.4G) 40M:3-4-5-6-7-8-9-10-11(WiFi 2.4G)
	802.11a/n/ac 20M: 36-40-44-48-52-56-60-64-100-104-108-112-116-120-124-128-132-136-140-149-153-157-161-165 (WiFi 5G) 802.11 n/ac 40M: 38-46-54-62-102-110-118-126-134-151-159 (WiFi 5G) 802.11ac 80M: 42-58-106-122-155 (WiFi 5G) 802.11ac 160M: 50-114 (WiFi 5G)
	BT : 0-3-5-6-10-11-16-19-22-31-32-33-36-39-54-67-68-73-75-76-77-78

Table 3:Device information and operating configuration

Note:

1)*For WiFi 5G,the device does not support channel 144(20M), channel 142(40M) and channel 138(80M).

2)*For WiFi 5G,U-NII-2A and U-NII-2C does not support hotspot function.

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1.3.1 General Description

ELE-L04 is subscriber equipment in the GSM/WCDMA/LTE system. The GSM frequency band includes GSM850 and GSM900 and DCS1800 and PCS1900. The UMTS frequency band is Band I, Band II, Band IV, Band V, Band VI, Band VIII and Band XIX. The ELE-L04 LTE frequency band is B1, B2, B3, B4, B5, B6, B7, B8, B9, B12, B17, B18, B19, B20, B26, B28, B34, B38, B39, B41 and B66. The ELE-L04 LTE frequency band for intra-band carrier aggregation uplink operation band is CA_1C, CA_3C, CA_7C, CA_38C, CA_39C and CA_41C. But only GSM850, GSM1900, UMTS Band II, UMTS Band IV, UMTS Band V, LTE B2, LTE B4, LTE B5, LTE B7, LTE B12, LTE B17, LTE B26, LTE B38, LTE B41, LTE B66, UL CA_7C, UL CA_38C and UL CA_41C test data are included in this report. The Mobile Phone implements such functions as RF signal receiving/transmitting LTE/HSPA/UMTS and GSM/GPRS/EDGE protocol processing, voice, video MMS service, GPS, AGPS and WIFI etc. Externally it provides one micro SD card interface , earphone port (to provide voice service) and one SIM card interface. ELE-L04 is single SIM smart phone. It also provides Bluetooth module to synchronize data between a PC and the phone, or to use the built-in modem of the phone to access the Internet with a PC, or to exchange data with other Bluetooth devices.

Battery information:

Name	Manufacturer/trademark	Description
Li-ion Polymer Battery	HuaweiTechnologies Co., Ltd. (Manufacturer: Sunwoda)	Battery Model: HB436380ECW Rated capacity: 3550mAh Nominal Voltage: ⎓ +3.85V Charging Voltage: ⎓ +4.43V
	HuaweiTechnologies Co., Ltd. (Manufacturer: Desay)	

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1.4 Test specification(s)

ANSI C95.1:1992 /IEEE C95.1:1991	Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.
IEEE Std 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
KDB941225 D01	3G SAR Procedures v03r01
KDB941225 D05	SAR for LTE Devices v02r05
KDB941225 D05A	LTE Rel.10 KDB Inquiry Sheet v01r02
KDB941225 D06	Hotspot SAR v02r01
KDB447498 D01	General RF Exposure Guidance v06
KDB648474 D04	Handsets SAR v01r03
KDB248227 D01	SAR Guidance for IEEE 802 11 Wi-Fi SAR v02r02
KDB865664 D01	SAR measurement 100 MHz to 6 GHz v01r04
KDB865664 D02	RF Exposure Reporting v01r02
KDB690783 D01	SAR Listings on Grants v01r03
KDB616217 D04	SAR for laptop and tablets v01r02

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1.5 Testing laboratory

Test Site	The Reliability Laboratory of Huawei Technologies Co., Ltd.
Test Location	NO.2 New City Avenue Songshan Lake Sci. & Tech. Industry Park, Dongguan, Guangdong, P.R.C
Telephone	+86 755 28780808
Fax	+86 755 89652518
State of accreditation	The Test laboratory (area of testing) is accredited according to ISO/IEC 17025. CNAS Registration number: L0310 A2LA TESTING CERT # 2174.01 & 2174.02 & 2174.03

1.6 Applicant and Manufacturer

Company Name	HUAWEI TECHNOLOGIES CO., LTD
Address	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

1.7 Application details

Start Date of test	2018-11-26
End Date of test	2018-12-17

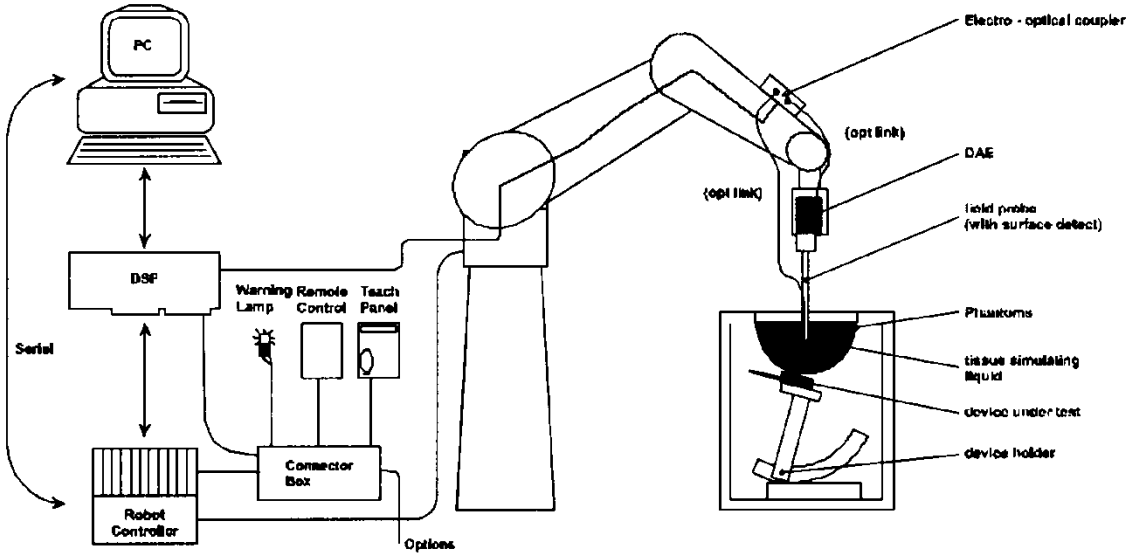
1.8 Ambient Condition

Ambient temperature	18°C – 25°C
Relative Humidity	30% – 70%

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2 SAR Measurement System

2.1 SAR Measurement Set-up



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

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

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2.2 Test environment

The DASY measurement system is placed at the head end of a room with dimensions:
5 x 2.5 x 3 m³, the SAM phantom is placed in a distance of 75 cm from the side walls and 1.1m from the rear wall. Above the test system a 1.5 x 1.5 m² array of pyramid absorbers is installed to reduce reflections from the ceiling.
Picture 1 of the photo documentation shows a complete view of the test environment.
The system allows the measurement of SAR values larger than 0.005 mW/g.

2.3 Data Acquisition Electronics description

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

The mechanical probe mounting device includes two different sensor systems for frontal and sideways probe contacts. They are used for mechanical surface detection and probe collision detection.

DAE

Input Impedance	200MOhm	
The Inputs	symmetrical and floating	
Common mode rejection	above 80 dB	

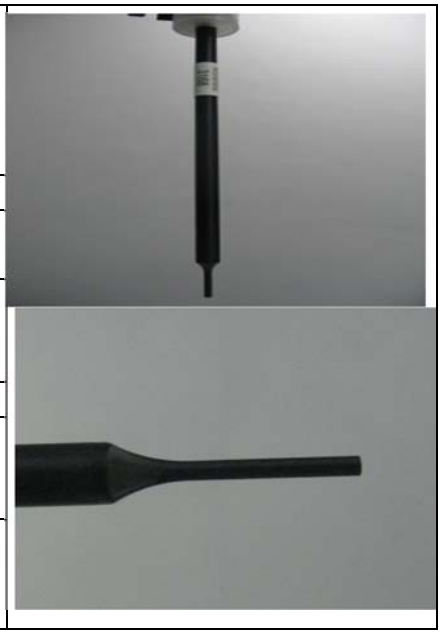
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2.4 Probe description

These probes are specially designed and calibrated for use in liquids with high permittivities. They should not be used in air, since the spherical isotropy in air is poor (±2 dB). The dosimetric probes have special calibrations in various liquids at different frequencies.

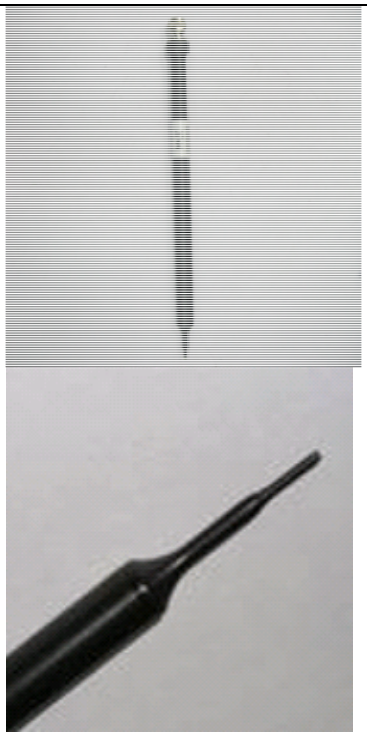
Isotropic E-Field Probe ES3DV3 for Dosimetric Measurements

Construction	Symmetrical design with triangular core Interleaved sensors 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 4 GHz; Linearity: ± 0.2 dB (30 MHz to 4 GHz)
Directivity	± 0.2 dB in HSL (rotation around probe axis) ± 0.3 dB in tissue material (rotation normal to probe axis)
Dynamic range	5 µW/g to > 100 mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 3.9 mm (Body: 12 mm) Distance from probe tip to dipole centers: 2.0 mm
Application	General dosimetry up to 4 GHz Dosimetry in strong gradient fields Compliance tests of mobile phones



Isotropic E-Field Probe EX3DV4 for Dosimetric Measurements

Construction	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 HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic range	10 µW/g to > 100 mW/g; Linearity: ± 0.2 dB(noise:typically<1µW/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: 1mm
Application	High precision dosimetric measurements in any exposure scenario(e.g.,very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%



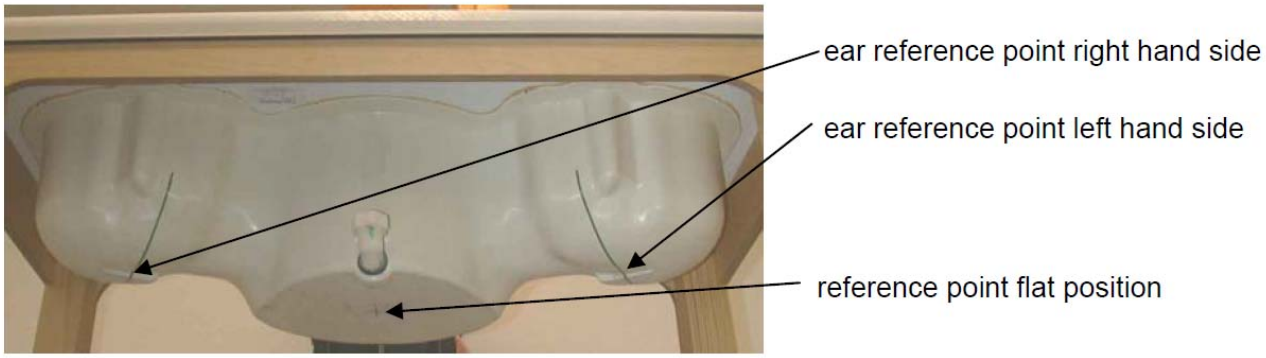
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2.5 Phantom description

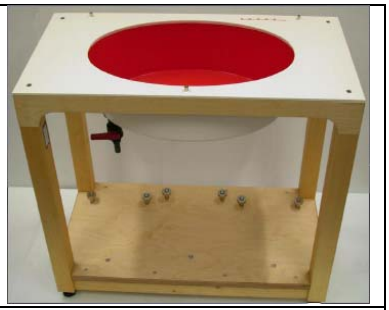
SAM Twin Phantom

Shell Thickness	2mm±0.2mm;The ear region:6.0±0.2mm	
Filling Volume	Approximately 25 liters	
Dimensions	Length:1000mm; Width:500mm; Height: adjustable feet	
Measurement Areas	Left hand Right hand Flat phantom	
The bottom plate contains three pairs of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to cover the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. Free space scans of devices on top of this phantom cover are possible. Three reference marks are provided on the phantom counter. These reference marks are used to teach the absolute phantom position relative to the robot.		

The following figure shows the definition of reference point:



ELI4 Phantom

Shell Thickness	2mm±0.2mm	
Filling Volume	Approximately 30 liters	
Dimensions	Major axis:600mm; Minor axis:400mm;	
Measurement Areas	Flat phantom	
The ELI4 phantom is intended for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30MHz to 6GHz. ELI4 is fully compatible with the latest draft of the standard IEC 62209-2 and all known tissue simulating liquids.		

The phantom shell material is resistant to all ingredients used in the tissue-equivalent liquid recipes. The shell of the phantom including ear spacers is constructed from low permittivity and low loss material, with a relative permittivity $2 \leq \varepsilon r \leq 5$ at ≤3 GHz,$3 \leq \varepsilon r \leq 4$ at >3 GHz and and a loss tangent $\leqslant 0.05$.

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Modular Triple Flat Phantom

Shell Thickness (bottom plate)	2mm±0.2mm	
Filling Volume (Module)	approx. 8.1 liters (filling height: 155 mm)	
Dimensions	Length: 292 mm Width: 178 mm Height: 178 mm Useable area: 280 × 175 mm	
Measurement Areas	Flat phantom	
The Modular Flat Phantom consists of three identical modules that can be installed and removed separately without emptying the liquid. It is used for compliance testing of small wireless devices in body-worn configurations according to IEC 62209-2, etc.		

2.6 Device holder description

The DASY device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65°. The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA's only. If necessary an additional support of polystyrene material is used.



The DASY device holder is constructed of low-loss POM material having the following dielectric parameters: relative permittivity ε =3 and loss tangent σ =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.
The device holder permits the device to be positioned with a tolerance of ±1° in the tilt angle.

Larger DUT's (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values.
Therefore those devices are normally only tested at the flat part of the SAM.

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2.7 Test Equipment List

This table gives a complete overview of the SAR measurement equipment.
Devices used during the test described are marked ☒

	Manufacturer	Device	Type	Serial number	Date of last calibration	Valid period
☒	SPEAG	Dosimetric E-Field Probe	EX3DV4	3744	2018-07-25	One year
☒	SPEAG	Dosimetric E-Field Probe	EX3DV4	3820	2018-06-26	One year
☒	SPEAG	Dosimetric E-Field Probe	EX3DV4	7505	2018-06-12	One year
☒	SPEAG	Dosimetric E-Field Probe	EX3DV4	7381	2018-09-28	One year
☒	SPEAG	Dosimetric E-Field Probe	EX3DV4	7489	2018-01-09	One year
☒	SPEAG	Dosimetric E-Field Probe	EX3DV4	3736	2018-04-27	One year
☒	SPEAG	750 MHz Dipole	D750V3	1044	2018-09-18	Three years
☒	SPEAG	835 MHz Dipole	D835V2	4d126	2018-07-24	Three years
☒	SPEAG	1750 MHz Dipole	D1750V2	1123	2017-07-27	Three years
☒	SPEAG	1900 MHz Dipole	D1900V2	5d091	2018-09-19	Three years
☒	SPEAG	2450 MHz Dipole	D2450V2	735	2017-12-15	Three years
☒	SPEAG	2450 MHz Dipole	D2450V2	978	2016-02-08	Three years
☒	SPEAG	2450 MHz Dipole	D2450V2	903	2018-10-26	Three years
☒	SPEAG	2600 MHz Dipole	D2600V2	1021	2018-07-26	Three years
☒	SPEAG	2600 MHz Dipole	D2600V2	1032	2018-09-17	Three years
☒	SPEAG	5GHz Dipole	D5GHzV2	1155	2018-06-08	Three years
☒	SPEAG	Data acquisition electronics	DAE3	393	2018-08-14	One year
☒	SPEAG	Data acquisition electronics	DAE4	913	2018-05-11	One year
☒	SPEAG	Data acquisition electronics	DAE4	852	2018-04-23	One year
☒	SPEAG	Data acquisition electronics	DAE4	1236	2018-07-18	One year
☒	SPEAG	Data acquisition electronics	DAE4	1531	2018-01-03	One year
☒	SPEAG	Data acquisition electronics	DAE4	851	2018-07-18	One year
☒	SPEAG	Software	DASY5	N/A	NCR	NCR
☒	SPEAG	Twin Phantom	SAM2	1474	NCR	NCR
☒	SPEAG	Twin Phantom	SAM3	1597	NCR	NCR
☒	SPEAG	Twin Phantom	SAM4	1620	NCR	NCR
☒	SPEAG	Twin Phantom	SAM5	1892	NCR	NCR
☒	SPEAG	Twin Phantom	SAM6	1894	NCR	NCR
☒	SPEAG	Twin Phantom	SAM7	1594	NCR	NCR
☒	SPEAG	Twin Phantom	SAM8	1940	NCR	NCR
☒	SPEAG	Twin Phantom	SAM9	1958	NCR	NCR
☒	SPEAG	Triple Flat Phantom	Triple Flat Phantom 5.1C	1176/2	NCR	NCR
☒	R & S	Universal Radio Communication Tester	CMU 200	111379	2017-12-30	One year
☒	R & S	Universal Radio Communication Tester	CMW 500	158850	2018-05-08	One year
☒	R & S	Universal Radio Communication Tester	CMW 500	116265	2018-03-05	One year
☒	Anritsu	Singal Analyser	MS2690A	6261767335	2018-03-15	One year
☒	Anritsu	Radio Communication Analyser	MT8821C	6201735100	2018-03-15	One year
☒	Anritsu	Radio Communication Analyser	MT8821C	6201830585	2018-05-30	One year
☒	Agilent	Network Analyser	E5071C	MY46107368	2018-10-15	One year
☒	Agilent	Dielectric Probe Kit	85070E	2484	NCR	NCR
☒	Keysight	Signal Generator	E8257D	MY56440071	2017-12-25	One year

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☒	MINI-CIRCUITS	Amplifier	ZHL-42W	QA1402001	NCR	NCR
☒	MINI-CIRCUITS	Amplifier	ZVE-8G+	188163	NCR	NCR
☒	SHX	Dual Directional Coupler	DDTO-4-20	17121801	2018-01-02	One year
☒	Agilent	Dual Directional Coupler	772D	MY52180173	2018-01-08	One year
☒	AR	Directional Coupler	DC7144M1	04232641	2018-04-28	One year
☒	Keysight	Power Meter	E4417A	MY57160005	2018-03-15	One year
☒	Keysight	Power Meter Sensor	E9321A	MY57150002	2018-03-15	One year
☒	R & S	Power Meter	NRP	100740	2018-07-17	One year
☒	R & S	Power Meter Sensor	NRP-Z11	106288	2018-07-17	One year

Note:

1) Per KDB865664D01 requirements for dipole calibration, the test laboratory has adopted three-year extended calibration interval. 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) The most recent return-loss result, measured at least annually, deviates by no more than 20% from the previous measurement.
d) The most recent measurement of the real or imaginary parts of the impedance, measured at least annually 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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3 SAR Measurement Procedure

3.1 Scanning procedure

The DASY installation includes predefined files with recommended procedures for measurements and system check. They are read-only document files and destined as fully defined but unmeasured masks. All test positions (head or body-worn) are tested with the same configuration of test steps differing only in the grid definition for the different test positions.

- 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. The indicated drift is mainly the variation of the DUT’s output power and should vary max. +/- 5 %.

- For power drift measurement, DASY software supports that the reference position can be either the selected section's grid reference point or a user point. If the E-field of power reference measurement in the default grid reference point is very small, the test lab may set the reference position to the user point near the hotspot location to avoid large measurement uncertainty.

- The “surface check” measurement tests the optical surface detection system of the DASY system by repeatedly detecting the surface with the optical and mechanical surface detector and comparing the results. The output gives the detecting heights of both systems, the difference between the two systems and the standard deviation of the detection repeatability. Air bubbles or refraction in the liquid due to separation of the sugar-water mixture gives poor repeatability (above ± 0.1mm). To prevent wrong results tests are only executed when the liquid is free of air bubbles. The difference between the optical surface detection and the actual surface depends on the probe and is specified with each probe. (It does not depend on the surface reflectivity or the probe angle to the surface within ± 30°.)

- The “area scan” measures the SAR above the DUT or verification dipole on a parallel plane to the surface. It is used to locate the approximate location of the peak SAR with 2D spline interpolation. The robot performs a stepped movement along one grid axis while the local electrical field strength is measured by the probe. The probe is touching the surface of the SAM during acquisition of measurement values. The standard scan uses large grid spacing for faster measurement. Standard grid spacing for head measurements is 15 mm in x- and y- dimension(≤2GHz),12 mm in x- and y-dimension(2-4 GHz) and 10mm in x- and y- dimension(4-6GHz). If a finer resolution is needed, the grid spacing can be reduced. Grid spacing and orientation have no influence on the SAR result. For special applications where the standard scan method does not find the peak SAR within the grid, e.g. mobile phones with flip cover, the grid can be adapted in orientation.
  Results of this coarse scan are shown in Appendix B.

- A “zoom scan” measures the field in a volume around the 2D peak SAR value acquired in the previous “coarse” scan. This is a fine grid with maximum scan spatial resolution: Δx_{zoom}, Δy_{zoom}≤2GHz - ≤ 8mm, 2-4GHz - ≤5 mm and 4-6 GHz-≤4mm; Δz_{zoom} ≤3GHz - ≤5 mm, 3-4 GHz- ≤4mm and 4-6GHz-≤2mm where the robot additionally moves the probe along the z-axis away from the bottom of the Phantom. DASY is also able to perform repeated zoom scans if more than 1 peak is found during area scan. In this document, the evaluated peak 1g and 10g averaged SAR values are shown in the 2D-graphics in Appendix B. Test results relevant for the specified standard (see chapter 1.4.)are shown in table form form in chapter 7.2.

- A Z-axis scan measures the total SAR value at the x-and y-position of the maximum SAR value found during the cube scan. The probe is moved away in z-direction from the bottom of the SAM phantom in 2 mm steps. This measurement shows the continuity of the liquid and can - depending in the field strength – also show the liquid depth. A z-axis scan of the measurement with maximum SAR value is shown in Appendix B.

The following table summarizes the area scan and zoom scan resolutions per FCC KDB 865664D01:

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Frequency	Maximun Area Scan resolution (Δx_{area}, Δy_{area})	Maximun Zoom Scan spatial resolution (Δx_{Zoom}, Δy_{Zoom})	Maximun Zoom Scan spatial resolution			Minimum zoom scan volume (x,y,z)
			Uniform Grid	Graded Grad		
			$\Delta z_{Zoom}(n)$	$\Delta z_{Zoom}(1)$*	$\Delta z_{Zoom}(n>1)$*	
≤2GHz	≤15mm	≤8mm	≤5mm	≤4mm	≤1.5*Δz_{Zoom}(n-1)	≥30mm
2-3GHz	≤12mm	≤5mm	≤5mm	≤4mm	≤1.5*Δz_{Zoom}(n-1)	≥30mm
3-4GHz	≤12mm	≤5mm	≤4mm	≤3mm	≤1.5*Δz_{Zoom}(n-1)	≥28mm
4-5GHz	≤10mm	≤4mm	≤3mm	≤2.5mm	≤1.5*Δz_{Zoom}(n-1)	≥25mm
5-6GHz	≤10mm	≤4mm	≤2mm	≤2mm	≤1.5*Δz_{Zoom}(n-1)	≥22mm

3.2 Spatial Peak SAR Evaluation

The spatial peak SAR - value for 1 and 10 g is evaluated after the Cube measurements have been done. The basis of the evaluation are the SAR values measured at the points of the fine cube grid consisting of 5 x 5 x 7 points(with 8mm horizontal resolution) or 7 x 7 x 7 points(with 5mm horizontal resolution) or 8 x 8 x 7 points(with 4mm horizontal resolution). The algorithm that finds the maximal averaged volume is separated into three different stages.

- The data between the dipole center of the probe and the surface of the phantom are extrapolated. This data cannot be measured since the center of the dipole is 2.7 mm away from the tip of the probe and the distance between the surface and the lowest measuring point is about 1 mm (see probe calibration sheet). The extrapolated data from a cube measurement can be visualized by selecting 'Graph Evaluated'.

- The maximum interpolated value is searched with a straight-forward algorithm. Around this maximum the SAR - values averaged over the spatial volumes (1g or 10 g) are computed using the 3d-spline interpolation algorithm. If the volume cannot be evaluated (i.e., if a part of the grid was cut off by the boundary of the measurement area) the evaluation will be started on the corners of the bottom plane of the cube.

- All neighboring volumes are evaluated until no neighboring volume with a higher average value is found.

Extrapolation

The extrapolation is based on a least square algorithm [W. Gander, Computermathematik, p.168-180]. Through the points in the first 3 cm along the z-axis, polynomials of order four are calculated. These polynomials are then used to evaluate the points between the surface and the probe tip. The points, calculated from the surface, have a distance of 1 mm from each other.

Interpolation

The interpolation of the points is done with a 3d-Spline. The 3d-Spline is composed of three one-dimensional splines with the "Not a knot"-condition [W. Gander, Computermathematik, p.141-150] (x, y and z -direction) [Numerical Recipes in C, Second Edition, p.123ff].

Volume Averaging

At First the size of the cube is calculated. Then the volume is integrated with the trapezoidal algorithm. 8000 points (20x20x20) are interpolated to calculate the average.

Advanced Extrapolation

DASY uses the advanced extrapolation option which is able to compansate boundary effects on E-field probes.

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3.3 Data Storage and Evaluation

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], [mW/g], [mW/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.

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	$Norm_i$, a_{i0}, a_{i1}, a_{i2}
	- Conversion factor	$ConvF_i$
	- Diode compression point	Dcpi
Device parameters:	- Frequency	f
	- Crest factor	cf
Media parameters:	- Conductivity	σ
	- 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	V_i	= compensated signal of channel i	(i = x, y, z)
	U_i	= input signal of channel i	(i = x, y, z)
	cf	= crest factor of exciting field	(DASY parameter)
	dcp_i	= diode compression point	(DASY parameter)

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

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E-field probes: $E_i = (V_i / Norm_i \cdot ConvF)^{1/2}$

H-field probes: $H_i = (V_j)^{1/2} \cdot (a_{i0} + a_{i1}f + a_{i2}f^2)/f$

with V_i = compensated signal of channel i (i = x, y, z)

$Norm_i$ = sensor sensitivity of channel i (i = x, y, z)
[mV/(V/m)^2] for E-field Probes

ConvF = sensitivity enhancement in solution

a_{ij} = sensor sensitivity factors for H-field probes

f = carrier frequency [GHz]

E_i = electric field strength of channel i in V/m

H_i = 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.

$$SAR = (E_{tot}^2 \cdot \sigma) / (\rho \cdot 1000)$$

with SAR = local specific absorption rate in mW/g

E_{tot} = total field strength in V/m

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

ρ = equivalent tissue density in g/cm^3

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.

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

with P_{pwe} = equivalent power density of a plane wave in mW/cm^2

E_{tot} = total electric field strength in V/m

H_{tot} = total magnetic field strength in A/m

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4 System Verification Procedure

4.1 Tissue Verification

The simulating liquids should be checked at the beginning of a series of SAR measurements to determine of the dielectic parameter are within the tolerances of the specified target values. The measured conductivity and relative permittivity should be within ± 5% of the target values.

The following materials are used for producing the tissue-equivalent materials.

Ingredients (% of weight)	Head Tissue					
Frequency Band (MHz)	750	835	1750	1900	2450	2600
Water	39.2	41.45	52.64	55.242	62.7	55.242
Salt (NaCl)	2.7	1.45	0.36	0.306	0.5	0.306
Sugar	57.0	56.0	0.0	0.0	0.0	0.0
HEC	0.0	1.0	0.0	0.0	0.0	0.0
Bactericide	0.0	0.1	0.0	0.0	0.0	0.0
Triton X-100	0.0	0.0	0.0	0.0	0.0	0.0
DGBE	0.0	0.0	47.0	44.542	36.8	44.452
Ingredients (% of weight)	Body Tissue					
Frequency Band (MHz)	750	835	1750	1900	2450	2600
Water	50.3	52.4	69.91	69.91	73.2	64.493
Salt (NaCl)	1.60	1.40	0.13	0.13	0.04	0.024
Sugar	47.0	45.0	0.0	0.0	0.0	0.0
HEC	0.0	1.0	0.0	0.0	0.0	0.0
Bactericide	0.0	0.1	0.0	0.0	0.0	0.0
Triton X-100	0.0	0.0	0.0	0.0	0.0	0.0
DGBE	0.0	0.0	29.96	29.96	26.7	32.252

Table 4: Tissue Dielectric Properties

Salt: 99+% Pure Sodium Chloride; Sugar: 98+% Pure Sucrose; Water: De-ionized, 16MΩ+ resistivity
HEC: Hydroxyethyl Cellulose; DGBE: 99+% Di(ethylene glycol) butyl ether, [2-(2-butoxyethoxy)ethanol]
Triton X-100(ultra pure): Polyethylene glycol mono [4-(1,1,3,3-tetramethylbutyl)phenyl]ether

☒Simulating Head Liquid (HBBL600-6000MHz),Manufactured by SPEAG:

Ingredients	(% by weight)
Water	50-65%
Esters,Emulsifiers,Inhibitors	10-30%
Sodium salt	8-25%

☒Simulating Body Liquid (MBBL600-6000MHz),Manufactured by SPEAG:

Ingredients	(% by weight)
Water	60-80%
Esters,Emulsifiers,Inhibitors	20-40%
Sodium salt	0-1.5%

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Tissue Type	Target Frequency	Target Tissue		Measured Tissue		Deviation (Within +/-5%)		Test Date
		Permit -tivity	Conduc -tivity [S/m]	Permit -tivity	Conduc -tivity [S/m]	$\Delta\varepsilon_r$	$\Delta\sigma$	
750MHz Head	705	42.14	0.89	42.44	0.888	0.71%	-0.20%	2018-11-26
	710	42.11	0.89	42.42	0.890	0.74%	-0.01%	
	750	41.90	0.89	42.30	0.906	0.95%	1.76%	
750MHz Head	705	42.14	0.89	40.82	0.894	-3.13%	0.40%	2018-12-8
	710	42.11	0.89	40.80	0.895	-3.11%	0.58%	
	750	41.90	0.89	40.69	0.909	-2.89%	2.15%	
835MHz Head	825	41.60	0.90	41.10	0.930	-1.20%	3.37%	2018-11-26
	835	41.50	0.90	41.07	0.934	-1.04%	3.73%	
	850	41.50	0.92	41.02	0.930	-1.16%	1.12%	
835MHz Head	825	41.60	0.90	42.05	0.934	1.08%	3.74%	2018-11-27
	835	41.50	0.90	42.02	0.938	1.25%	4.21%	
	850	41.50	0.92	41.97	0.943	1.13%	2.53%	
1750MHz Head	1710	40.10	1.35	38.90	1.362	-2.99%	0.89%	2018-11-26
	1730	40.10	1.36	38.87	1.373	-3.07%	0.96%	
	1750	40.10	1.37	38.80	1.387	-3.24%	1.24%	
	1800	40.00	1.40	38.73	1.409	-3.18%	0.64%	
1750MHz Head	1710	40.10	1.35	38.58	1.371	-3.79%	1.56%	2018-11-29
	1730	40.10	1.36	38.54	1.380	-3.89%	1.47%	
	1750	40.10	1.37	38.52	1.390	-3.94%	1.46%	
	1800	40.00	1.40	38.47	1.418	-3.83%	1.29%	
1750MHz Head	1710	40.10	1.35	39.12	1.357	-2.44%	0.52%	2018-12-5
	1730	40.10	1.36	39.12	1.368	-2.44%	0.59%	
	1750	40.10	1.37	39.11	1.378	-2.47%	0.58%	
	1800	40.00	1.40	39.01	1.408	-2.48%	0.57%	
1900MHz Head	1850	40.00	1.40	39.46	1.382	-1.35%	-1.29%	2018-11-27
	1880	40.00	1.40	39.40	1.399	-1.50%	-0.07%	
	1900	40.00	1.40	39.37	1.410	-1.58%	0.71%	
	1910	40.00	1.40	39.36	1.416	-1.60%	1.14%	
2450MHz Head	2410	39.30	1.76	39.29	1.835	-0.03%	4.26%	2018-11-29
	2435	39.20	1.79	39.27	1.851	0.18%	3.41%	
	2450	39.20	1.80	39.26	1.861	0.15%	3.39%	
	2460	39.20	1.81	39.25	1.869	0.13%	3.26%	
2450MHz Head	2410	39.30	1.76	37.67	1.782	-4.15%	1.25%	2018-12-4
	2435	39.20	1.79	37.64	1.795	-3.98%	0.28%	
	2450	39.20	1.80	37.60	1.806	-4.08%	0.33%	
	2460	39.20	1.81	37.57	1.814	-4.16%	0.22%	
2450MHz Head	2410	39.30	1.76	38.53	1.805	-1.96%	2.56%	2018-12-4
	2435	39.20	1.79	38.48	1.825	-1.84%	1.96%	
	2450	39.20	1.80	38.47	1.835	-1.86%	1.94%	
	2460	39.20	1.81	38.46	1.842	-1.89%	1.77%	
2450MHz Head	2410	39.30	1.76	38.66	1.845	-1.63%	4.83%	2018-12-10
	2435	39.20	1.79	38.63	1.861	-1.45%	3.97%	
	2450	39.20	1.80	38.59	1.871	-1.56%	3.94%	

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	2460	39.20	1.81	38.56	1.879	-1.63%	3.81%	
2600MHz Head	2510	39.12	1.86	40.41	1.843	3.30%	-0.91%	2018-11-26
	2535	39.10	1.89	40.38	1.863	3.27%	-1.43%	
	2560	39.00	1.92	40.34	1.882	3.44%	-1.98%	
	2585	39.00	1.95	40.32	1.903	3.38%	-2.41%	
	2600	39.00	1.96	40.29	1.916	3.31%	-2.24%	
	2610	38.98	1.97	40.28	1.924	3.34%	-2.34%	
	2645	38.93	2.01	40.21	1.953	3.29%	-2.84%	
2600MHz Head	2510	39.12	1.86	38.67	1.898	-1.15%	2.04%	2018-11-28
	2535	39.10	1.89	38.63	1.920	-1.20%	1.59%	
	2560	39.00	1.92	38.59	1.938	-1.05%	0.94%	
	2585	39.00	1.95	38.54	1.960	-1.18%	0.51%	
	2600	39.00	1.96	38.50	1.972	-1.28%	0.61%	
	2610	38.98	1.97	38.49	1.980	-1.26%	0.51%	
	2645	38.93	2.01	38.41	2.007	-1.34%	-0.15%	
5GHz Head	5250	35.90	4.71	37.55	4.643	4.60%	-1.42%	2018-12-4
	5600	35.50	5.07	37.06	5.112	4.39%	0.83%	
	5750	35.40	5.22	36.81	5.312	3.97%	1.76%	
750MHz Body	705	55.70	0.96	53.63	0.982	-3.72%	2.29%	2018-11-29
	710	55.70	0.96	53.61	0.984	-3.75%	2.45%	
	750	55.50	0.96	53.55	0.997	-3.51%	3.83%	
750MHz Body	705	55.70	0.96	53.03	0.949	-4.79%	-1.14%	2018-12-8
	710	55.70	0.96	53.01	0.951	-4.83%	-0.99%	
	750	55.50	0.96	52.98	0.960	-4.54%	0.00%	
835MHz Body	825	55.20	0.97	52.75	1.010	-4.44%	4.12%	2018-11-27
	835	55.20	0.97	52.71	1.014	-4.51%	4.54%	
	850	55.20	0.99	52.67	1.019	-4.58%	2.93%	
835MHz Body	825	55.20	0.97	52.70	1.009	-4.53%	4.02%	2018-12-2
	835	55.20	0.97	52.69	1.013	-4.55%	4.43%	
	850	55.20	0.99	52.66	1.018	-4.60%	2.83%	
835MHz Body	825	55.20	0.97	52.76	0.990	-4.42%	2.07%	2018-12-7
	835	55.20	0.97	52.73	0.994	-4.47%	2.47%	
	850	55.20	0.99	52.69	0.999	-4.55%	0.93%	
1750MHz Body	1710	53.50	1.46	53.27	1.469	-0.43%	0.62%	2018-11-27
	1730	53.50	1.48	53.25	1.482	-0.47%	0.14%	
	1750	53.40	1.49	53.24	1.495	-0.30%	0.34%	
	1800	53.30	1.52	53.16	1.533	-0.26%	0.86%	
1750MHz Body	1710	53.50	1.46	53.34	1.447	-0.30%	-0.89%	2018-11-30
	1730	53.50	1.48	53.25	1.457	-0.47%	-1.55%	
	1750	53.40	1.49	53.25	1.470	-0.28%	-1.34%	
	1800	53.30	1.52	52.98	1.494	-0.60%	-1.71%	

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1750MHz Body	1710	53.50	1.46	52.93	1.441	-1.07%	-1.30%	2018-12-4
	1730	53.50	1.48	52.90	1.454	-1.12%	-1.76%	
	1750	53.40	1.49	52.90	1.465	-0.94%	-1.68%	
	1800	53.30	1.52	52.84	1.503	-0.86%	-1.12%	
1750MHz Body	1710	53.50	1.46	51.10	1.496	-4.49%	2.47%	2018-12-6
	1730	53.50	1.48	51.11	1.510	-4.47%	2.03%	
	1750	53.40	1.49	51.09	1.527	-4.33%	2.48%	
	1800	53.30	1.52	50.98	1.567	-4.35%	3.09%	
1750MHz Body	1710	53.50	1.46	52.21	1.433	-2.41%	-1.85%	2018-12-7
	1730	53.50	1.48	52.09	1.447	-2.64%	-2.23%	
	1750	53.40	1.49	52.10	1.461	-2.45%	-1.95%	
	1800	53.30	1.52	52.27	1.494	-1.93%	-1.71%	
1900MHz Body	1850	53.30	1.52	52.65	1.459	-1.22%	-4.01%	2018-11-28
	1880	53.30	1.52	52.64	1.481	-1.24%	-2.57%	
	1900	53.30	1.52	52.61	1.496	-1.29%	-1.58%	
	1910	53.30	1.52	52.60	1.504	-1.31%	-1.05%	
1900MHz Body	1850	53.30	1.52	52.40	1.465	-1.69%	-3.62%	2018-12-2
	1880	53.30	1.52	52.39	1.486	-1.71%	-2.24%	
	1900	53.30	1.52	52.36	1.502	-1.76%	-1.18%	
	1910	53.30	1.52	52.35	1.509	-1.78%	-0.72%	
1900MHz Body	1850	53.30	1.52	50.98	1.450	-4.35%	-4.61%	2018-12-6
	1880	53.30	1.52	50.95	1.467	-4.41%	-3.49%	
	1900	53.30	1.52	50.90	1.479	-4.50%	-2.70%	
	1910	53.30	1.52	50.89	1.486	-4.52%	-2.24%	
2450MHz Body	2410	52.80	1.91	50.34	1.998	-4.66%	4.61%	2018-11-30
	2435	52.70	1.94	50.33	2.020	-4.50%	4.12%	
	2450	52.70	1.95	50.31	2.033	-4.54%	4.26%	
	2460	52.70	1.96	50.30	2.043	-4.55%	4.23%	
2450MHz Body	2410	52.80	1.91	52.12	1.997	-1.29%	4.55%	2018-12-3
	2435	52.70	1.94	52.08	2.022	-1.18%	4.23%	
	2450	52.70	1.95	52.09	2.032	-1.16%	4.21%	
	2460	52.70	1.96	52.08	2.037	-1.18%	3.93%	
2450MHz Body	2410	52.80	1.91	50.41	2.000	-4.53%	4.71%	2018-12-11
	2435	52.70	1.94	50.38	2.021	-4.40%	4.18%	
	2450	52.70	1.95	50.36	2.033	-4.44%	4.26%	
	2460	52.70	1.96	50.35	2.042	-4.46%	4.18%	
2600MHz Body	2510	52.62	2.03	50.73	2.064	-3.59%	1.67%	2018-11-28
	2535	52.59	2.07	50.80	2.088	-3.40%	0.87%	
	2560	52.57	2.09	50.79	2.116	-3.39%	1.24%	
	2585	52.53	2.13	50.73	2.135	-3.43%	0.23%	
	2600	52.50	2.16	50.68	2.154	-3.47%	-0.28%	
	2615	52.42	2.19	50.62	2.165	-3.43%	-1.14%	
	2645	52.26	2.24	50.56	2.188	-3.25%	-2.32%	

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2600MHz Body	2510	52.62	2.03	50.60	2.094	-3.84%	3.15%	2018-12-4
	2535	52.59	2.07	50.57	2.119	-3.84%	2.37%	
	2560	52.57	2.09	50.53	2.142	-3.88%	2.49%	
	2585	52.53	2.13	50.49	2.168	-3.88%	1.78%	
	2600	52.50	2.16	50.46	2.184	-3.90%	1.11%	
	2615	52.42	2.19	50.43	2.198	-3.80%	0.37%	
	2645	52.26	2.24	50.35	2.225	-3.65%	-0.67%	
2600MHz Body	2510	52.62	2.03	50.73	2.114	-3.59%	4.14%	2018-12-7
	2535	52.59	2.07	50.67	2.139	-3.65%	3.33%	
	2560	52.57	2.09	50.61	2.163	-3.73%	3.49%	
	2585	52.53	2.13	50.56	2.184	-3.75%	2.54%	
	2600	52.50	2.16	50.51	2.202	-3.79%	1.94%	
	2615	52.42	2.19	50.48	2.215	-3.70%	1.14%	
	2645	52.26	2.24	50.41	2.242	-3.54%	0.09%	
5GHz Body	5250	48.90	5.36	47.85	5.277	-2.15%	-1.55%	2018-12-15
	5600	48.50	5.77	47.20	5.754	-2.68%	-0.28%	
	5750	48.30	5.94	46.92	5.967	-2.86%	0.45%	
5GHz Body	5250	48.90	5.36	47.40	5.387	-3.07%	0.50%	2018-12-16
	5600	48.50	5.77	46.72	5.871	-3.67%	1.75%	
	5750	48.30	5.94	46.44	6.087	-3.85%	2.47%	

Table 5:Measured Tissue Parameter

Note: 1）The dielectric parameters of the tissue-equivalent liquid should be measured under similar ambient conditions and within 2 °C of the conditions expected during the SAR evaluation to satisfy protocol requirements.

2）KDB 865664 was ensured to be applied for probe calibration frequencies greater than or equal to 50MHz of the EUT frequencies.

3）The above measured tissue parameters were used in the DASY software to perform interpolation via the DASY software to determine actual dielectric parameters at the test frequencies. The SAR test plots may slightly differ from the table above since the DASY rounds to three significant digits.

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4.2 System Check

The system check is performed for verifying the accuracy of the complete measurement system and performance of the software. The system check is performed with tissue equivalent material according to IEEE 1528 (described above). The following table shows system check results for all frequency bands and tissue liquids used during the tests(Graphic Plot(s) see Appendix A).

Dipole Information	System Check	Target SAR (Normalized to 1W)		Measured SAR (Normalized to 1W)		Deviation (Within +/-10%)		Test Date
SN		1-g (mW/g)	10-g (mW/g)	1-g (mW/g)	10-g (mW/g)	Δ1-g	Δ10-g	
1044	750MHz Head	8.24	5.34	8.48	5.60	2.91%	4.87%	2018-11-26
1044	750MHz Head	8.24	5.34	8.56	5.60	3.88%	4.87%	2018-12-8
4d126	835MHz Head	9.44	6.06	9.80	6.44	3.81%	6.27%	2018-11-26
4d126	835MHz Head	9.44	6.06	10.16	6.60	7.63%	8.91%	2018-11-27
1123	1750MHz Head	36.60	19.40	35.20	18.76	-3.83%	-3.30%	2018-11-26
1123	1750MHz Head	36.60	19.40	37.76	20.12	3.17%	3.71%	2018-11-29
1123	1750MHz Head	36.60	19.40	35.56	18.68	-2.84%	-3.71%	2018-12-5
5d091	1900MHz Head	40.40	21.30	40.00	20.76	-0.99%	-2.54%	2018-11-27
735	2450MHz Head	51.40	23.90	50.40	23.64	-1.95%	-1.09%	2018-11-29
978	2450MHz Head	53.30	24.90	50.40	23.48	-5.44%	-5.70%	2018-12-4
978	2450MHz Head	53.30	24.90	51.60	23.88	-3.19%	-4.10%	2018-12-4
978	2450MHz Head	53.30	24.90	52.80	24.52	-0.94%	-1.53%	2018-12-10
1021	2600MHz Head	56.60	25.50	57.60	27.32	1.77%	7.14%	2018-11-26
1021	2600MHz Head	56.60	25.50	57.20	25.60	1.06%	0.39%	2018-11-28
1155	5250MHz Head	81.40	23.50	74.40	22.30	-8.60%	-5.11%	2018-12-4
1155	5600MHz Head	85.20	24.30	79.00	23.60	-7.28%	-2.88%	2018-12-4
1155	5750MHz Head	78.40	22.30	78.00	23.30	-0.51%	4.48%	2018-12-4
1044	750MHz Body	8.54	5.61	8.64	5.68	1.17%	1.25%	2018-11-29
1044	750MHz Body	8.54	5.61	8.12	5.48	-4.92%	-2.32%	2018-12-8
4d126	835MHz Body	9.65	6.32	10.24	6.64	6.11%	5.06%	2018-11-27
4d126	835MHz Body	9.65	6.32	10.12	6.60	4.87%	4.43%	2018-12-2
4d126	835MHz Body	9.65	6.32	10.32	6.88	6.94%	8.86%	2018-12-7
1123	1750MHz Body	36.40	19.40	34.68	18.52	-4.73%	-4.54%	2018-11-27
1123	1750MHz Body	36.40	19.40	37.72	20.24	3.63%	4.33%	2018-11-30
1123	1750MHz Body	36.40	19.40	36.48	19.64	0.22%	1.24%	2018-12-4
1123	1750MHz Body	36.40	19.40	35.20	19.12	-3.30%	-1.44%	2018-12-6
1123	1750MHz Body	36.40	19.40	36.52	19.64	0.33%	1.24%	2018-12-7
5d091	1900MHz Body	40.40	21.10	39.76	20.68	-1.58%	-1.99%	2018-11-28
5d091	1900MHz Body	40.40	21.10	40.40	20.92	0.00%	-0.85%	2018-12-2
5d091	1900MHz Body	40.40	21.10	37.84	19.68	-6.34%	-6.73%	2018-12-6
903	2450MHz Body	50.50	23.50	54.40	24.84	7.72%	5.70%	2018-11-30
903	2450MHz Body	50.50	23.50	50.00	22.96	-0.99%	-2.30%	2018-12-3
978	2450MHz Body	52.10	24.70	50.80	23.28	-2.50%	-5.75%	2018-12-11
1032	2600MHz Body	55.10	24.50	55.60	25.40	0.91%	3.67%	2018-11-28
1032	2600MHz Body	55.10	24.50	58.40	25.84	5.99%	5.47%	2018-12-4
1032	2600MHz Body	55.10	24.50	58.40	25.92	5.99%	5.80%	2018-12-7
1155	5250MHz Body	74.70	20.90	69.20	19.70	-7.36%	-5.74%	2018-12-15
1155	5250MHz Body	74.70	20.90	70.80	22.20	-5.22%	6.22%	2018-12-16
1155	5600MHz Body	79.60	22.10	75.30	20.40	-5.40%	-7.69%	2018-12-15

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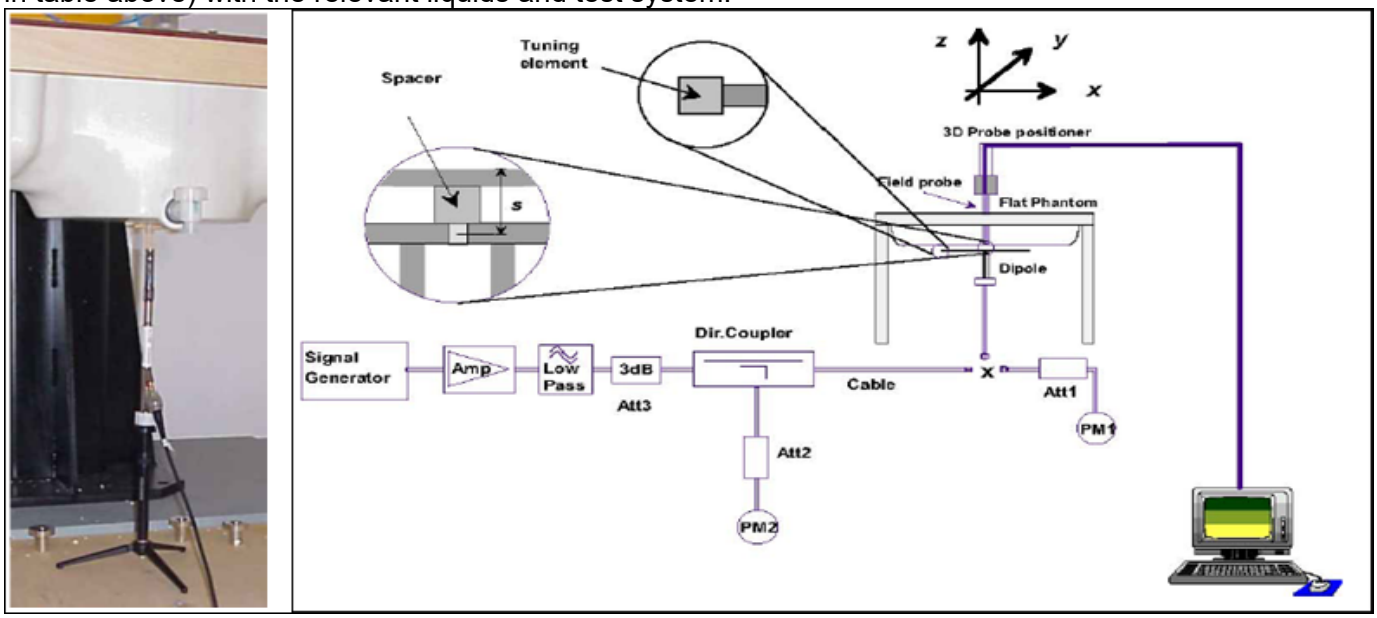
1155	5600MHz Body	79.60	22.10	74.20	23.20	-6.78%	4.98%	2018-12-16
1155	5750MHz Body	73.30	20.40	72.00	20.20	-1.77%	-0.98%	2018-12-15
1155	5750MHz Body	73.30	20.40	70.40	22.20	-3.96%	8.82%	2018-12-16

Table 6:System Check Results

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4.3 System check Procedure

The system check is performed by using a system check dipole which is positioned parallel to the planar part of the SAM phantom at the reference point. The distance of the dipole to the SAM phantom is determined by a plexiglass spacer. The dipole is connected to the signal source consisting of signal generator and amplifier via a directional coupler, N-connector cable and adaption to SAM. It is fed with a power of 250 mW(below 3GHz) or 100mW(3-6GHz). To adjust this power, a power meter is used. The power sensor is connected to the cable before the system check to measure the power at this point and do adjustments at the signal generator. At the outputs of the directional coupler both return loss as well as forward power are controlled during the system check to make sure that emitted power at the dipole is kept constant. This can also be checked by the power drift measurement after the test (result on plot).
System check results have to be equal or near the values determined during dipole calibration (target SAR in table above) with the relevant liquids and test system.



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5 SAR measurement variability and uncertainty

5.1 SAR measurement variability

Per KDB865664 D01 SAR measurement 100 MHz to 6 GHz, 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.

The detailed repeated measurement results are shown in Section 7.2.

5.2 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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6 SAR Test Configuration

6.1 Test Positions Configuration

6.1.1 General considerations

Per IEEE 1528-2013,two imaginary lines on the handset were established: the vertical centerline and the horizontal line (See Figure 1).

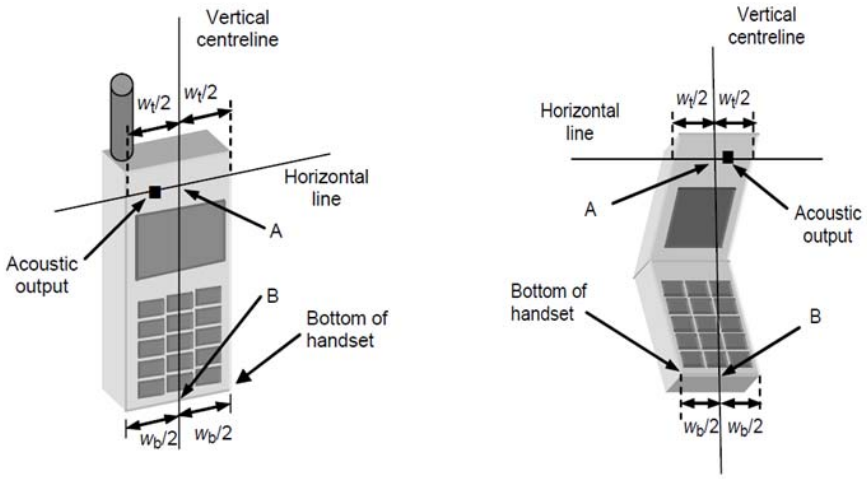


Figure 1 Hand Vertical Center & Horizontal Line Reference Points

6.1.2 Head Exposure Condition

Per IEEE 1528-2013, Head SAR measurements were made in the “cheek” position (See Figure 2) and the “tilt” position (See Figure 3). The device should be tested in both positions on left and right sides of the SAM phantom.

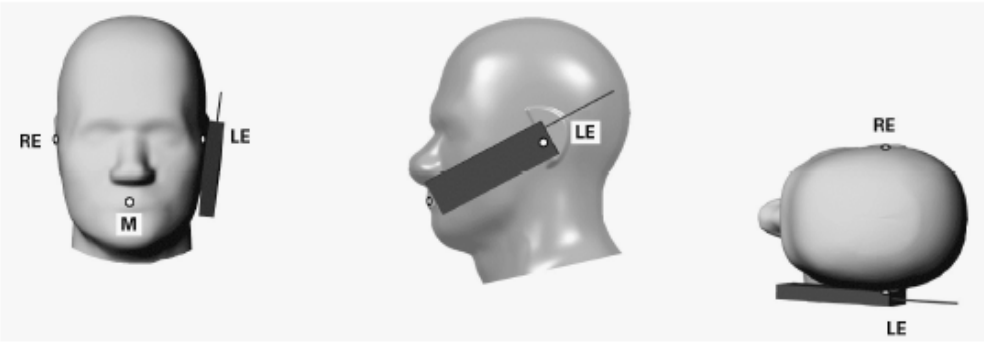


Figure 2 Front, Side and Top View of Cheek Position

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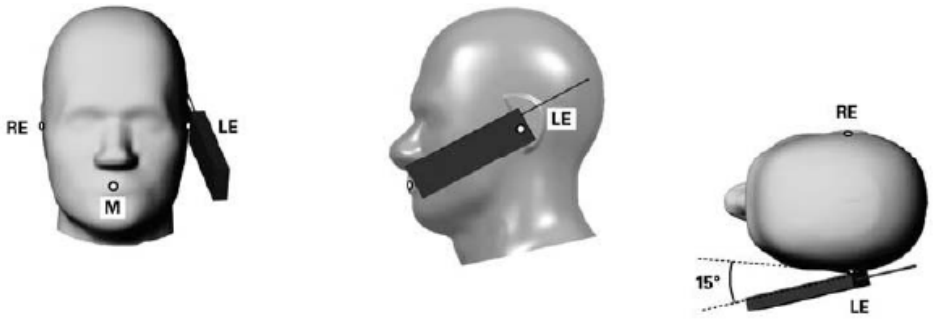


Figure 3 Front, Side and Top View of Tilt 15° Position

Note:
M Mouth reference point
LE Left ear reference point (ERP)
RE Right ear reference point(ERP)

6.1.3 Body-worn Exposure Condition

Body-worn operating configurations are tested with the holder attached to the device and positioned against a flat phantom with test separation distance of 15mm in a normal use configuration (See Figure 4). Per FCC KDB648474 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 447498 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. 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.

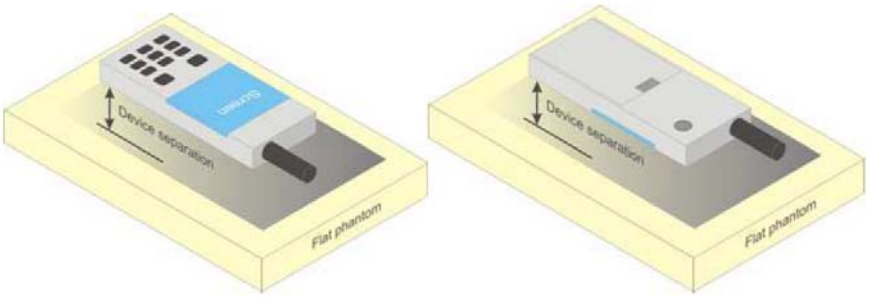


Figure 4 Test position for Body-Worn device

6.1.4 Hotspot Exposure Condition

Per FCC KDB 941225D06, the SAR test separation distance for hotspot mode is determined according to device form factor. When the overall length and width of a device is > 9 cm x 5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements. A test separation distance of 5 mm or less is required for smaller devices. Hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge; for the data modes, wireless technologies and frequency bands supporting hotspot mode. The SAR results are used to determine simultaneous transmission SAR test exclusion for hotspot mode; otherwise, simultaneous transmission SAR measurement is required.

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6.1.5 Product Specific 10-g SAR Exposure Condition

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 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.

6.2 3G SAR Test Reduction Procedure

Per KDB941225 D01, 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.

6.3 GSM Test Configuration

SAR tests for GSM850 and GSM1900, 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 GSM850 and GSM1900. The tests in the band of GSM850 and GSM1900 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.

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 8PSK.

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6.4 UMTS 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 requied 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) WCDMA

a. Head SAR Measurements

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.

b. Body SAR Measurements

SAR for body-worn accessory 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

3) HSDPA

SAR for body exposure configurations is measured according to the “Body SAR Measurements’’ procedures of 3G device. 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.

Per KDB941225 D01, the 3G SAR test reduction procedure is applied to HSDPA body configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSDPA using the HSDPA body SAR procedures for the highest reported SAR body exposure configuration in 12.2 kbps RMC.

HSDPA should be configured according to UE category of a test device. The number of HS-DSCH/HS-PDSCHs, HAPRQ 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 condition, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4ms with a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. The β_c and β_d gain factors for DPCCH and DPDCH were set according to the values in the below table, β_{hs} for HS-DPCCH is set automatically to the correct value when ΔACK, ΔNACK, ΔCQI = 8. The variation of the β_c /β_d ratio causes a power reduction at sub-tests 2 - 4.

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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: △ACK, △NACK and △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

Table 7: Sub-tests for UMTS Release 5 HSDPA

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

HS-DSCH Category	Maximum HS-DSCH Codes Received	Minimum Inter-TTI Interval	Maximum HS-DSCH Transport Block Bits/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 9:HSDPA UE category

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4) HSUPA

SAR for body exposure configurations is measured according to the "Body SAR Measurements'' procedures of 3G device. 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.

Per KDB941225 D01, the 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSPA using the HSPA body SAR procedures for the highest reported body exposure SAR configuration in 12.2 kbps RMC.

Due to inner loop power control requirements in HSDPA, 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 HSDPA should be configured according to the values indicated below as well as other applicable procedures described in the 'WCDMA Handset' and 'Release 5 HSDPA Data Device' sections of 3G device.

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

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

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

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

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

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

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

Table 10:Subtests for UMTS Release 6 HSUPA

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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 11:HSUPA UE category

5) 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

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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 12: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.

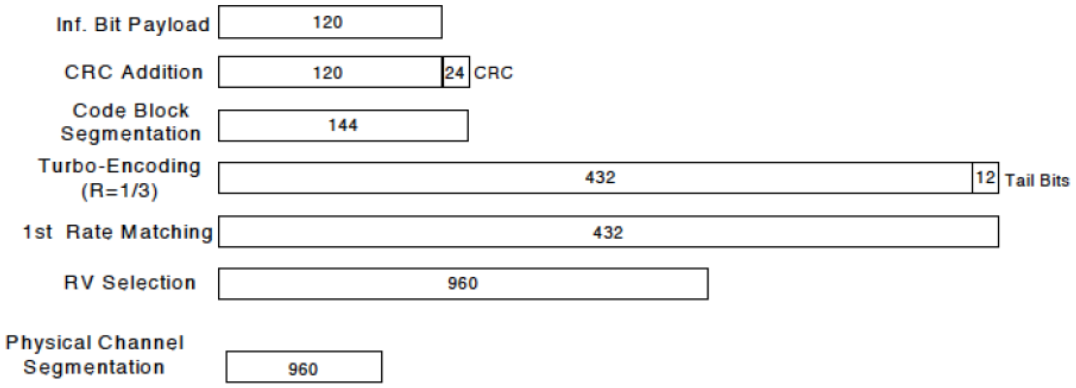


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

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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6.5 LTE Test Configuration

SAR for LTE band exposure configurations is measured according to the procedures of KDB 941225 D05 SAR for LTE Devices. The CMW500 WideBand Radio Communication Tester was used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing.SAR test were performed with the same number of RB and RB offsets transmitting on all TTI frames(Maximum TTI)

1) Spectrum Plots for RB configurations

A properly configured base station simulator was used for LTE output power measurements and SAR testing.Therefore, spectrum plots for RB configurations were not required to be included in this report.

2) MPR

When MPR is implemented permanently within the UE, regardless of network requirements, only those RB configurations allowed by 3GPP for the channel bandwidth and modulation combinations may be tested with MPR active. Configurations with RB allocations less than the RB thresholds required by 3GPP must be tested without MPR.

The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3

Modulation	Channel bandwidth / Transmission bandwidth (N_{RB})						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3

3) A-MPR

A-MPR(Additional MPR) has been disabled for all SAR tests by using Network Signalling Value of “NS_01”on the base station simulator.

4) LTE procedures for SAR testing

A) Largest channel bandwidth standalone SAR test requirements

i) 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.

ii) QPSK with 50% RB allocation

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

iii) QPSK with 100% RB allocation

For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 %

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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 i) and ii) 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.

iv) 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.

B) 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.

5) TDD LTE test configuration

According to KDB 941225 D05 SAR for LTE Devices, 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.
TDD LTE Band 41 supports 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.

Figure 4.2-1: Frame structure type 2

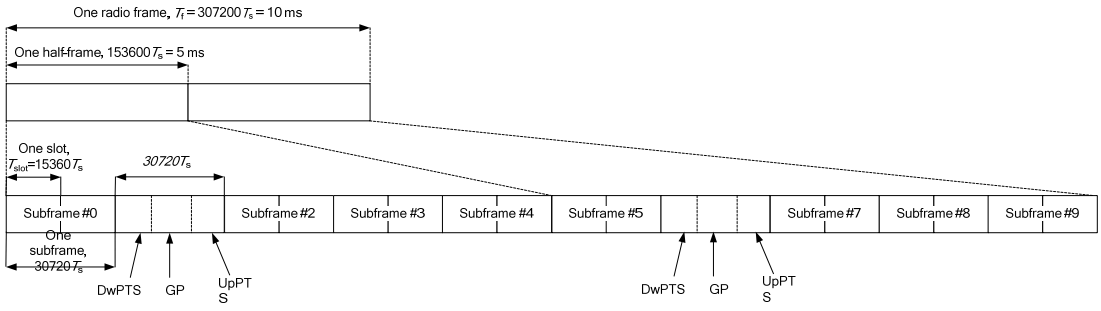


Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

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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	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-

Table 4.2-2: 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

According to Figure 4.2-1, one radio frame is configured by 10 subframes, which consist of Uplink-subframe, Downlink-subframe and Special subframe. For TDD-LTE, the Duty Cycle should be calculated on Uplink-subframes and Special subframes, due to Special subframe containing both Uplink transmissions. So for one radio frame, Duty Cycle can be calculated with formula as below. The count of Uplink subframes are according to Table 4.2-2:

Duty cycle =(30720Ts*Ups+Uplink Component*Specials)/(307200Ts)

About the uplink component of Special subframes, we can figure out by Table 4.2-1:

Uplink Component=UpPTS

In conclusion, for the TDD LTE Band, Duty Cycle can be calculated with formula as below .all these sets are ok when we test, or we can set as below.

Duty cycle =[(30720Ts*Ups)+ UpPTS *Specials]/(307200Ts)

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And we can get different Duty cycles under different configurations:

Uplink-Downlink configuration	Subframe number			Configuration of special subframe							
				Normal cyclice prefix in downlink				Extended cyclice prefix in downlink			
				Normal cyclice prefix in uplink		Extended cyclice prefix in uplink		Normal cyclice prefix in uplink		Extended cyclice prefix in uplink	
	D	S	U	configuration				configuration			
				0~4	5~9	0~4	5~9	0~3	4~7	0~3	4~7
0	2	2	6	61.43%	62.85%	61.67%	**63.33%**	61.43%	62.85%	61.67%	**63.33%**
1	4	2	4	41.43%	42.85%	41.67%	43.33%	41.43%	42.85%	41.67%	43.33%
2	6	2	2	21.43%	22.85%	21.67%	23.33%	21.43%	22.85%	21.67%	23.33%
3	6	1	3	30.71%	31.43%	30.83%	31.67%	30.71%	31.43%	30.83%	31.67%
4	7	1	2	20.71%	21.43%	20.83%	21.67%	20.71%	21.43%	20.83%	21.67%
5	8	1	1	10.71%	11.43%	10.83%	11.67%	10.71%	11.43%	10.83%	11.67%
6	3	2	5	51.43%	52.85%	51.67%	53.33%	51.43%	52.85%	51.67%	53.33%

For TDD LTE, SAR should be tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special subframe configuration 7 for Frame structure type 2.

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6.6 WiFi Test Configuration

For WiFi SAR testing, a communication link is set up with some command for WiFi mode test. During the test,at the each test frequency channel, the EUT is operated at the RF continuous emission mode. Per KDB 248227D01, a minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

6.6.1 Initial Test Position Procedure

For exposure condition with multiple test position, such as handsets operating next to the ear, devices with hotspot mode or UMPC mini-tablet , procedures for initial test position can be applied. Using the transmission mode determined by the DSSS procedure or initial test configuration, area scans are measured for all position in an exposure condition. The test position with the highest extrapolated(peak) SAR is used as the initial test position. When reported SAR for the initial test position is ≤ 0.4W/kg, no additional testing for the remaining test position is required. Otherwise, SAR is evaluated at the subsequent highest peak SAR position until the reported SAR result is ≤ 0.8W/kg or all test position are measured. 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.

6.6.2 Initial Test Configuration Procedure

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 (see section 5.3.2 of KDB 248227D01). SAR test reduction of subsequent highest output test channels is based on the *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 the subsequent next highest measured output power channel(s) in the initial test configuration until the *reported* SAR is ≤ 1.2 W/kg or all required channels are tested.

6.6.3 Sub Test Configuration Procedure

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.

When the highest reported SAR for the initial test configuration, 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.

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6.6.4 WiFi 2.4G SAR Test 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.

A) 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 (section 3.1 of of KDB 248227D01) 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.

B) 2.4GHz 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 of of KDB 248227D01). 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.

C) SAR Test Requirements for OFDM configurations

When SAR measurement is required for 802.11 a/g/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.

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6.6.5 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.

6.6.6 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, the channels at 5.60 – 5.65 GHz in U-NII-2C band must be disabled with acceptable mechanisms and documented in the equipment certification to avoid SAR requirements.10 TDWR restriction does not apply under the new rules; 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.11 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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6.6.7 OFDM Transmission Mode SAR Test Channel Selection Requirements

For 2.4 GHz and 5 GHz bands, When the same maximum output power was specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration with the largest channel bandwidth,lowest order modulation and lowest data rate. When the maximum output power of a channel is the same for equivalent OFDM configurations(for example 802.11a, 802.11n and 802.11ac, or 802.11g and 802.11n, with the same channel bandwidth, modulation, and data rate, etc), the lower order 802.11 mode (i.e., 802.11a is chosen over 802.11n then 802.11ac, or 802.11g is chosen over 802.11n) is used for SAR measurement. When the maximum output power are the same for multiple test channel, either according to the default or additional power measurement requirement, SAR is measured using the channel closest to the middle of the frequency band or aggregted band. When there are multiple channels with the same maximum output power, SAR is measured using the higher number channel.

6.6.8 MIMO SAR Considerations

Per KDB 248227D01v02, 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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6.7 LTE CA specification

6.7.1 LTE CA combinations specification

The device supports downlink LTE Carrier Aggregation (CA) for Intra-band and inter-band,and uplink LTE Carrier Aggregation (CA) for Intra-band .
a) The LTE release and version numbers of the 3GPP documents used to implement the specific device(s): Release 13, 3GPP TS 36.211 V13.3.0 (2016-09)
b) The associated 3GPP release and version numbers required for power measurements and RF test setup conditions:
Release 14, 3GPP TS 36.521-1 V14.4.0 (2017-09)
Release 15, 3GPP TS 36.101 V15.0.0 (2017-09)
The device supports parts of uplink and downlink Release 14 LTE carrier aggregations and the device does not support full CA features on 3GPP Release 14.
1) The device supports Intra-band uplink LTE CA for CA_7C, CA_38C, CA_41C with two component carriers in the uplink.
2) The device supports Intra-band and inter-band downlink LTE CA(See the table below)
3) The device does not support full CA features on 3GPP Release 14 or higher. All other uplink communications are identical to the release 8 specifications. Other LTE Rel.10 or higher features are not supported, including Enhanced SC-FDMA, Uplink MIMO or other antenna diversity configurations, Wi-Fi offloading using LTE-U, LAA or LWA related protocols etc.

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Intra-band contiguous CA operating bands

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	NA	5	20			40	0
		10	15, 20				
		15	10, 15, 20				
		20	5, 10, 15, 20				
CA_5B	NA	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	NA	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			
CA_66B	NA	5	5, 10, 15			20	0
		10	5, 10				
		15	5				
CA_66C	NA	5	20			40	0
		10	15, 20				
		15	10, 15, 20				
		20	5, 10, 15, 20				

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CA_66D	NA	5	20	20		60	0
		20	5	20			
		20	20	5			
		10	20	15			
		15	20	10			
		10, 15, 20	15, 20	20			
		15, 20	10	20			
		15	15, 20	15			
		20	15, 20	10, 15			
		20	10	15			

NOTE 1: The CA configuration refers to an operating band and a CA bandwidth class specified (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.

Intra-band non-contiguous CA operating bands (with two sub-blocks)

E-UTRA CA configuration / Bandwidth combination set							
E-UTRACA configuration	Uplink CA configurations (NOTE 1)	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_2A-2A	NA	5, 10, 15, 20	5, 10, 15, 20			40	0
CA_4A-4A	NA	5, 10, 15, 20	5, 10, 15, 20			40	0
	NA	5, 10	5, 10			20	1
CA_7A-7A	NA	5	15			40	0
		10	10, 15				
		15	15, 20				
		20	20				
		5, 10, 15, 20	5, 10, 15, 20			40	1
		5, 10, 15, 20	5, 10			30	2
		10, 15, 20	10, 15, 20			40	3
CA_12A-12A	NA	5	5			10	0
CA_66A-66A	NA	5, 10, 15, 20	5, 10, 15, 20			40	0

NOTE 1: Uplink CA configurations are the configurations supported by the present release of specifications.

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Inter-band CA operating bands (two bands)

E-UTRA CA configuration / Bandwidth combination set										
E-UTRA CA Configuration	Uplink CA configurations (NOTE 4)	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-4A	NA	2	Yes	Yes	Yes	Yes	Yes	Yes	40	0
		4			Yes	Yes	Yes	Yes		
		2			Yes	Yes			20	1
		4			Yes	Yes				
		2			Yes	Yes	Yes	Yes	40	2
		4			Yes	Yes	Yes	Yes		
CA_2A-4A-4A	NA	2			Yes	Yes	Yes	Yes	60	0
		4	See CA_4A-4A Bandwidth Combination Set 0							
CA_2A-5A	NA	2			Yes	Yes	Yes	Yes	30	0
		5			Yes	Yes				
		2			Yes	Yes			20	1
		5			Yes	Yes				
CA_2A-2A-5A	NA	2	See CA_2A-2A Bandwidth Combination Set 0						50	0
		5			Yes	Yes				
CA_2A-7A	NA	2			Yes	Yes	Yes	Yes	40	0
		7			Yes	Yes	Yes	Yes		
CA_2A-7A-7A	NA	2			Yes	Yes	Yes	Yes	60	0
		7	See the CA_7A-7A Bandwidth combination set 1							
CA_2A-7C	CA_7C	2			Yes	Yes	Yes	Yes	60	0
		7	See the CA_7C Bandwidth combination set 1							
CA_2A-12A	NA	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-2A-12A	NA	2	See CA_2A-2A Bandwidth Combination Set 0						50	0
		12			Yes	Yes				
CA_2A-12B	NA	2			Yes	Yes	Yes	Yes	35	0
		12	See CA_12B Bandwidth Combination Set 0							
CA_2A-17A	NA	2			Yes	Yes			20	0
		17			Yes	Yes				
CA_2A-66A	NA	2	Yes	Yes	Yes	Yes	Yes	Yes	40	0
		66			Yes	Yes	Yes	Yes		
		2			Yes	Yes			20	1
		66			Yes	Yes				
		2			Yes	Yes	Yes	Yes	40	2
		66			Yes	Yes	Yes	Yes		
CA_2A-66C	NA	2			Yes	Yes	Yes	Yes	60	0
		66	See CA_66C Bandwidth Combination Set 0							
CA_2A-2A-66A	NA	2	See CA_2A-2A Bandwidth Combination Set 0						60	0
		66			Yes	Yes	Yes	Yes		
CA_2A-66A-66A	NA	2			Yes	Yes	Yes	Yes	60	0
		66	See CA_66A-66A Bandwidth Combination Set 0							
CA_2A-2A-66C	NA	2	See CA_2A-2A Bandwidth Combination Set 0						80	0
		66	See CA_66C Bandwidth combination set 0							
CA_4A-5A	NA	4			Yes	Yes			20	0
		5			Yes	Yes				
		4			Yes	Yes	Yes	Yes	30	1
		5			Yes	Yes				
CA_4A-4A-5A	NA	4	See CA_4A-4A Bandwidth Combination Set 0						50	0
		5			Yes	Yes				

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CA_4A-7A	NA	4			Yes	Yes			30	0
		7			Yes	Yes	Yes	Yes		
		4			Yes	Yes	Yes	Yes	40	1
		7			Yes	Yes	Yes	Yes		
CA_4A-4A-7A	NA	4			Yes	Yes			40	0
		4			Yes	Yes				
		7			Yes	Yes	Yes	Yes		
		4			Yes	Yes	Yes	Yes	60	1
		4			Yes	Yes	Yes	Yes		
		7			Yes	Yes	Yes	Yes		
CA_4A-7C	CA_7C	4			Yes	Yes	Yes	Yes	60	0
		7	See CA_7C Bandwidth Combination Set 1							
CA_4A-7A-7A	NA	4			Yes	Yes	Yes	Yes	60	0
		7	See the CA_7A-7A Bandwidth combination set 1							
CA_4A-12A	NA	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-4A-12A	NA	4	See CA_4A-4A Bandwidth Combination Set 0						50	0
		12			Yes	Yes				
CA_4A-12B	NA	4			Yes	Yes	Yes	Yes	35	0
		12	See CA_12B Bandwidth Combination Set 0							
CA_4A-17A	NA	4			Yes	Yes			20	0
		17			Yes	Yes				
CA_5A-7A	NA	5	Yes	Yes	Yes	Yes			30	0
		7				Yes	Yes	Yes		
		5			Yes	Yes			30	1
		7				Yes	Yes	Yes		
CA_5A-7C	CA_7C	5			Yes	Yes			50	0
		7	See CA_7C Bandwidth Combination Set 1							
CA_5A-7A-7A	NA	5			Yes	Yes			50	0
		7	See CA_7A-7A Bandwidth Combination Set 3							
CA_5A-66A	NA	5			Yes	Yes			30	0
		66			Yes	Yes	Yes	Yes		
CA_5A-66C	NA	5			Yes	Yes			50	0
		66	See CA_66C Bandwidth combination set 0							
CA_7A-12A	NA	7			Yes	Yes	Yes	Yes	30	0
		12			Yes	Yes				
CA_7A-12B	NA	7			Yes	Yes	Yes	Yes	35	0
		12	See CA_12B Bandwidth combination set 0							
		7				Yes	Yes	Yes	40	1
		20			Yes	Yes	Yes	Yes		
CA_7A-66A	NA	7			Yes	Yes	Yes	Yes	40	0
		66			Yes	Yes	Yes	Yes		
CA_7A-7A-66A-66A	NA	7	See CA_7A-7A Bandwidth combination set 1						80	0
		66	See CA_66A-66A Bandwidth Combination Set 0							
CA_7C-66A	CA_7C	7	See CA_7C Bandwidth Combination Set 1						60	0
		66			Yes	Yes	Yes	Yes		
CA_7A-7A-66A	NA	7	See CA_7A-7A Bandwidth combination set 1						60	0
		66			Yes	Yes	Yes	Yes		

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<table>
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<tr><td rowspan="2">CA_26A-41A</td><td rowspan="2">NA</td><td>26</td><td></td><td></td><td>Yes</td><td>Yes</td><td>Yes</td><td></td><td rowspan="2">35</td><td rowspan="2">0</td></tr>
<tr><td>41</td><td></td><td></td><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td></tr>
<tr><td rowspan="2">CA_26A-41C</td><td rowspan="2">CA_41C</td><td>26</td><td></td><td></td><td>Yes</td><td>Yes</td><td>Yes</td><td></td><td rowspan="2">55</td><td rowspan="2">0</td></tr>
<tr><td>41</td><td colspan="6">See CA_41C Bandwidth Combination Set 1</td></tr>
<tr><td colspan="10">NOTE 1:The CA Configuration refers to a combination of an operating band and a CA bandwidth class specified in Table (the indexing letter). Absence of a CA bandwidth class for an operating band implies support of all classes.
NOTE 2:For each band combination, all combinations of indicated bandwidths belong to the set.
NOTE 3:For the supported CC bandwidth combinations, the CC downlink and uplink bandwidths are equal.
NOTE 4:Uplink CA configurations are the configurations supported by the present release of specifications.
NOTE 5: For TDD inter-band Carrier Aggregtion only non-simultaneous Rx/Tx uplink CA configurations can be supported by UE supporting corresponding DL CA configuration without simultaneous Rx/Tx.
NOTE 6: Void
NOTE 7:Power imbalance between downlink carriers on Band 20 and Band 28 is assumed to be within [6dB].
NOTE 8: For the corresponding CA configuration, UE may not support Pcell transmissions in this E-UTRA band</td></tr>
</table>

Note:

1）For the inter-band CA combinations, B17 and B12 cannot be PCC, other the listed CA bands above can be used as PCC or SCC.

2) The channel spacing and aggregated channel bandwidth for CA are identical to the associated specification in 3GPP TS 36.101 V15.0.0 (2017-09)

3) The reference test frequencies for CA refers to 3GPP TS 36.508 V13.1.0

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Inter-band CA operating bands (Three bands)

E-UTRA CA configuration / Bandwidth combination set										
E-UTRA CA Configuration	**Uplink CA configurations (NOTE 5)**	**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-4A-5A	NA	2			Yes	Yes	Yes	Yes	50	0
		4			Yes	Yes	Yes	Yes		
		5			Yes	Yes				
CA_2A-4A-7A	NA	2			Yes	Yes	Yes	Yes	60	0
		4			Yes	Yes	Yes	Yes		
		7			Yes	Yes	Yes	Yes		
CA_2A-4A-7A-7A	NA	2			Yes	Yes	Yes	Yes	80	0
		4			Yes	Yes	Yes	Yes		
		7	See the CA_7A-7A Bandwidth combination set 1							
CA_2A-4A-7C	CA_7C	2			Yes	Yes	Yes	Yes	80	0
		4			Yes	Yes	Yes	Yes		
		7	See CA_7C Bandwidth Combination Set 1							
CA_2A-4A-12A	NA	2			Yes	Yes	Yes	Yes	50	0
		4			Yes	Yes	Yes	Yes		
		12			Yes	Yes				
CA_2A-4A-12A-12A	NA	2			Yes	Yes	Yes	Yes	50	0
		4			Yes	Yes	Yes	Yes		
		12	See CA_12A-12A Bandwidth Combination Set 0							
CA_2A-5A-66A	NA	2			Yes	Yes	Yes	Yes	50	0
		5			Yes	Yes				
		66			Yes	Yes	Yes	Yes		
CA_2A-5A-66C	NA	2			Yes	Yes	Yes	Yes	70	0
		5			Yes	Yes				
		66	See CA_66C Bandwidth combination set 0							
CA_2A-7A-12A	NA	2			Yes	Yes	Yes	Yes	50	0
		7			Yes	Yes	Yes	Yes		
		12			Yes	Yes				
CA_2A-7A-12B	NA	2			Yes	Yes	Yes	Yes	55	0
		7			Yes	Yes	Yes	Yes		
		12	See CA_12B Bandwidth combination set 0							
CA_2A-7A-66A	NA	2			Yes	Yes	Yes	Yes	60	0
		7			Yes	Yes	Yes	Yes		
		66			Yes	Yes	Yes	Yes		
CA_2A-7A-7A-66A	NA	2			Yes	Yes	Yes	Yes	80	0
		7	See CA_7A-7A Bandwidth combination set 1							
		66			Yes	Yes	Yes	Yes		
CA_2A-7A-66A-66A	NA	2			Yes	Yes	Yes	Yes	80	0
		7			Yes	Yes	Yes	Yes		
		66	See CA_66A-66A Bandwidth combination set 0							
CA_2A-12A-66A	NA	2			Yes	Yes	Yes	Yes	50	0
		12			Yes	Yes				
		66			Yes	Yes	Yes	Yes		
		2			Yes	Yes			40	1
		12			Yes	Yes				
		66			Yes	Yes	Yes	Yes		
CA_2A-12B-66A	NA	2			Yes	Yes	Yes	Yes	55	0
		12	See CA_12B Bandwidth Combination Set 0							
		66			Yes	Yes	Yes	Yes		

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CA_4A-7A-12A	NA	4			Yes	Yes			40	0
		7			Yes	Yes	Yes	Yes		
		12			Yes	Yes				
		4			Yes	Yes	Yes	Yes	50	1
		7			Yes	Yes	Yes	Yes		
		12			Yes	Yes				
CA_7A-12A-66A	NA	7			Yes	Yes	Yes	Yes	50	0
		12			Yes	Yes				
		66			Yes	Yes	Yes	Yes		
CA_7A-12B-66A	NA	7			Yes	Yes	Yes	Yes	55	0
		12	See CA_12B Bandwidth combination set 0							
		66			Yes	Yes	Yes	Yes		
NOTE 1:The CA Configuration refers to a combination of an operating band and a CA bandwidth class specified in Table 5.4.2A-1 (the indexing letter). Absence of a CA bandwidth class for an operating band implies support of all classes. NOTE 2:For each band combination, all combinations of indicated bandwidths belong to the set. NOTE 3:For the supported CC bandwidth combinations, the CC downlink and uplink bandwidths are equal. NOTE 4:Uplink CA configurations are the configurations supported by the present release of specifications. NOTE 5: For TDD inter-band Carrier Aggregtion only non-simultaneous Rx/Tx uplink CA configurations can be supported by UE supporting corresponding DL CA configuration without simultaneous Rx/Tx. NOTE 6: Void NOTE 7:Power imbalance between downlink carriers on Band 20 and Band 28 is assumed to be within [6dB]. NOTE 8: For the corresponding CA configuration, UE may not support Pcell transmissions in this E-UTRA band										

Inter-band CA operating bands (Four bands)

E-UTRA CA configuration / Bandwidth combination set										
E-UTRA CA Configuration	**Uplink CA configurations (NOTE 5)**	**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-4A-7A-12A	NA	2			Yes	Yes	Yes	Yes	70	0
		4			Yes	Yes	Yes	Yes		
		7			Yes	Yes	Yes	Yes		
		12			Yes	Yes				
CA_2A-7A-12A-66A	NA	2			Yes	Yes	Yes	Yes	70	0
		7			Yes	Yes	Yes	Yes		
		12			Yes	Yes				
		66			Yes	Yes	Yes	Yes		
CA_2A-7A-12B-66A	NA	2			Yes	Yes	Yes	Yes	75	0
		7			Yes	Yes	Yes	Yes		
		12	See CA_12B Bandwidth combination set 0							
		66			Yes	Yes	Yes	Yes		
NOTE 1:The CA Configuration refers to a combination of an operating band and a CA bandwidth class specified in Table 5.4.2A-1 (the indexing letter). Absence of a CA bandwidth class for an operating band implies support of all classes. NOTE 2:For each band combination, all combinations of indicated bandwidths belong to the set. NOTE 3:For the supported CC bandwidth combinations, the CC downlink and uplink bandwidths are equal. NOTE 4:Uplink CA configurations are the configurations supported by the present release of specifications. NOTE 5: For TDD inter-band Carrier Aggregtion only non-simultaneous Rx/Tx uplink CA configurations can be supported by UE supporting corresponding DL CA configuration without simultaneous Rx/Tx. NOTE 6: Void NOTE 7:Power imbalance between downlink carriers on Band 20 and Band 28 is assumed to be within [6dB]. NOTE 8: For the corresponding CA configuration, UE may not support Pcell transmissions in this E-UTRA band										

Note:

1) The channel spacing and aggregated channel bandwidth for CA are identical to the associated specification in 3GPP TS 36.101 V14.4.0 (2017-06)

2) The reference test frequencies for CA refers to 3GPP TS 36.508 V13.1.0

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6.7.2 Test procedure for downlink CA

According to 201804 FCC RF Exposure TCB workshop slides, the guidance does not consider Intra-band DL CA and inter-band DL CA separately.

In applying the power measurement procedures of KDB 941225 D05A for DL CA SAR test exclusion, only the CA configuration with the largest aggregated DL CA bandwidth in each frequency band group need consideration (independently for contiguous and non-contiguous CA). When the same frequency band is used for both contiguous and non-contiguous CA, power may be measured using the configuration with the largest aggregated bandwidth “and” maximum output power among the contiguous and non-contiguous CA configurations, otherwise, these are considered separately. In applying the existing power measurement procedures of KDB 941225 D05A for DL CA SAR test exclusion, only the subset with the largest number of combinations of frequency bands and CCs in each row need consideration. the configurations that require power measurements are in the table as below:

Index	2CC	Restriction	Completely Covered by Measurement Superset
2CCs#1	CA_2C		No
2CCs#2	CA_5B		No
2CCs#3	CA_7C		3CCs#6
2CCs#4	CA_12B		3CCs#8
2CCs#5	CA_38C		No
2CCs#6	CA_41C		3CCs#26
2CCs#7	CA_66B		No
2CCs#8	CA_66C		3CCs#9
2CCs#9	CA_2A-2A		3CCs#4
2CCs#10	CA_4A-4A		3CCs#3
2CCs#11	CA_7A-7A		3CCs#5
2CCs#12	CA_12A-12A		4CCs#6
2CCs#13	CA_66A-66A		3CCs#11
2CCs#14	CA_2A-4A		3CCs#3
2CCs#15	CA_2A-5A		3CCs#4
2CCs#16	CA_2A-7A		3CCs#5
2CCs#17	CA_2A-12A		3CCs#7
2CCs#18	CA_2A-17A		No
2CCs#19	CA_2A-66A		3CCs#10
2CCs#20	CA_4A-5A		3CCs#12
2CCs#21	CA_4A-7A		3CCs#14
2CCs#22	CA_4A-12A		3CCs#16
2CCs#23	CA_4A-17A	B17 SCC Only	No
2CCs#24	CA_5A-7A		3CCs#19
2CCs#25	CA_5A-66A		3CCs#30
2CCs#26	CA_7A-12A		3CCs#31
2CCs#27	CA_7A-66A		3CCs#23
2CCs#28	CA_12A-66A		3CCs#33
2CCs#29	CA_26A-41A		No

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CCs#1	CA_41D		No
3CCs#2	CA_66D		No
3CCs#3	CA_2A-4A-4A		No
3CCs#4	CA_2A-2A-5A		No
3CCs#5	CA_2A-7A-7A		4CCs#4
3CCs#6	CA_2A-7C		4CCs#5
3CCs#7	CA_2A-2A-12A		No
3CCs#8	CA_2A-12B		4CCs#8
3CCs#9	CA_2A-66C		4CCs#1
3CCs#10	CA_2A-2A-66A		No
3CCs#11	CA_2A-66A-66A		4CCs#10
3CCs#12	CA_4A-4A-5A		No
3CCs#13	CA_4A-7C		4CCs#5
3CCs#14	CA_4A-4A-7A		No
3CCs#15	CA_4A-7A-7A		4CCs#4
3CCs#16	CA_4A-4A-12A	B12 SCC Only	No
3CCs#17	CA_4A-12B	B12 SCC Only	No
3CCs#18	CA_5A-7C		No
3CCs#19	CA_5A-7A-7A		No
3CCs#20	CA_5A-66C		4CCs#7
3CCs#21	CA_7A-12B		4CCs#8
3CCs#22	CA_7C-66A		4CCs#3
3CCs#23	CA_7A-7A-66A		4CCs#2
3CCs#24	CA_7A-66A-66A		4CCs#2
3CCs#25	CA_12B-66A		4CCs#11
3CCs#26	CA_26A-41C		No
3CCs#27	CA_2A-4A-5A		No
3CCs#28	CA_2A-4A-7A		4CCs#4
3CCs#29	CA_2A-4A-12A		4CCs#6
3CCs#30	CA_2A-5A-66A		No
3CCs#31	CA_2A-7A-12A		4CCs#13
3CCs#32	CA_2A-7A-66A		4CCs#9
3CCs#33	CA_2A-12A-66A		4CCs#14
3CCs#34	CA_4A-7A-12A		4CCs#13
3CCs#35	CA_7A-12A-66A		4CCs#14

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CCs#1	CA_2A-2A-66C		No
4CCs#2	CA_7A-7A-66A-66A		No
4CCs#3	CA_7C-66A-66A		No
4CCs#4	CA_2A-4A-7A-7A		No
4CCs#5	CA_2A-4A-7C		No
4CCs#6	CA_2A-4A-12A-12A		No
4CCs#7	CA_2A-5A-66C		No
4CCs#8	CA_2A-7A-12B		5CCs#1
4CCs#9	CA_2A-7A-7A-66A		No
4CCs#10	CA_2A-7A-66A-66A		No
4CCs#11	CA_2A-12B-66A		5CCs#1
4CCs#12	CA_7A-12B-66A		5CCs#1
4CCs#13	CA_2A-4A-7A-12A		No
4CCs#14	CA_2A-7A-12A-66A		No

Index	5CC	Restriction	Completely Covered by Measurement Superset
5CCs#1	CA_2A-7A-12B-66A		No

Refer to section 7.1 of this report for detailed DL CA conducted power measurement results

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6.7.3 Test procedure for Intra-band uplink CA

For Intra-band uplink LTE CA measurement (Uplink CA_7C, CA_38C, CA_41C), the following procedure according to 201711 FCC RF Exposure TCB workshop slides is applied:

1) Maximum output power is measured for each UL CA configuration for the required test channels described in KDB 941225 D05 (Rel. 8)

– 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 (Uplink CA_7C, CA_38C, CA_41C) 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.

Refer to section 7.1 of this report for detailed UL CA conducted power measurement results.

6.8 Dynamic antenna switching specification

The device supports dynamic Tx antenna switching function for 2G/3G/4G bands.It can transmit from either Main Antenna or Second Antenna, but they can not transmit simultaneously(Refer to the Antenna location picture in the appendix for details).

Note:

1) Main antenna consists of two parts: MHB antenna part (Ant1) for middle & high band antenna and LB antenna part (Ant2) for low band antenna.

2) Second antenna consists of two parts: Up MHB Antenna part (Ant 3) Middle & High band antenna and Up LB antenna part (Ant4) for low band antenna.

SAR test procedure for dynamic antenna switching is as below:

During the SAR test, 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 AT command are supplied to fix the operation state and choose the antenna so that only one TX antenna tested at a time. We can ensure that all independent antennas and modem are completely covered by the appropriate SAR measurements and all simultaneous transmission possibilities are fully considered.

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6.9 Power Reduction Specification

This device uses the following power reduction features to reduce the transmit power and ensure SAR compliance. These power reduction features are implemented using a single fixed level of reduction through static table look-up for some wireless operating modes or frequency bands and triggered by a single event or operation. The published RF exposure KDB procedures are applicable to the specific implementation and applied for testing.So PAG is not required for these features.

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 2G/3G/4G and WIFI transmit simultaneously.

3) This device uses the receiver to indicate whether the user is making a voice call in head scenario or not. The selection between head and body power levels is based on the receiver detection mechanism. A fixed level power reduction is applied for some frequency bands when the audio receiver is on.

4) 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 2.4G Ant1	Power Level A3	Power Level B3
WiFi 2.4G Ant2	Power Level A4	Power Level B4
WiFi 5G Ant1	Power Level A5	Power Level B5
WiFi 5G Ant2	Power Level A6	Power Level B6

5) This device uses a proximity sensor to reduce the maximum output power of 2G/3G/4G main transmitting antenna in selected wireless modes and operating configurations to ensure SAR compliance. The procedures in KDB 616217 are applied to determine proximity sensor triggering distances, and sensor coverage for normal and tilt positions.

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6.9.1 Power Reduction Specification of 2G/3G/4G Second Antenna

The following tables summarize the key power reduction information of 2G/3G/4G second antenna triggered by specific use conditions. The detailed full power and reduced conducted power measurement results are provided in Section 7 of this report:

Band	Second Antenna Power Reduction Level Amount (dB)			
	Second Antenna only		Second Antenna+WiFi Antenna simultaneous transmission	
	Receiver off	Receiver on	Receiver off	Receiver on
	Full Power	Reduced Power Level D1	Reduced Power Level D2	Reduced Power Level D3
GSM850	0	0.5	0	0.5
UMTS Band II	0	6.0	4.5	10.5
UMTS Band IV	0	7.5	4.0	11.0
UMTS Band V	0	6.5	3.0	9.5
LTE Band 2	0	5.0	4.0	9.0
LTE Band 4	0	7.0	3.0	10.0
LTE Band 5	0	6.0	3.5	9.5
LTE Band 7	0	6.5	2.5	8.5
LTE Band 12	0	2.0	1.5	3.5
LTE Band 17	0	2.0	0	2.0
LTE Band 26	0	5.5	3.0	8.5
LTE Band 38	0	7.0	1.5	8.5
LTE Band 41	0	8.0	1.5	9.5
LTE Band 66	0	7.0	3.5	10.5

Note: For Head SAR test of 2G/3G/4G Second Antenna, Standalone Head SAR should be evaluated at with audio receiver on. As the audio receiver only works in voice mode when the user is making a call in head scenario, and the lack of the third-party VoIP server and the unstandardized VOIP operating characteristics, so a test script may be used to trigger the receiver on during the test. The test script function is only used to trigger audio receiver on and simulate voice and VOIP usage scene. It can be ensured that the unmodified settings in production units, including maximum output power, amplifier gain and other RF performance or tuning parameters, are used for SAR measurement.

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6.9.2 Power Reduction Specification of WiFi Antenna

The following tables summarize the key power reduction information of WiFi antennas. The detailed full power and reduced conducted power measurement results are provided in section 7 of this report:

Power Reduction Level Amount (dB)				
Band/Mode(Ant)	WiFi Antenna			
	MCC OF CE COUNTRY		MCC OF FCC COUNTRY	
	Receiver on	Receiver off (Full Power)	Receiver on	Receiver off (Full Power)
WiFi 2.4G 802.11b Ant5	7.0	0	8.5	0
WiFi 2.4G 802.11b Ant6	6.5	0	8.0	0
WiFi 2.4G 802.11g Ant5	6.0	0	7.5	0
WiFi 2.4G 802.11g Ant6	5.5	0	7.0	0
WiFi 2.4G 802.11n(20M) Ant5	5.0	0	6.5	0
WiFi 2.4G 802.11n(40M) Ant6	5.0	0	6.5	0
WiFi 2.4G 802.11n(20M) Ant5	4.5	0	6.0	0
WiFi 2.4G 802.11n(40M) Ant6	4.5	0	6.0	0
WiFi 2.4G 802.11g CDD	5.8	0	7.3	0
WiFi 2.4G 802.11n MIMO(20M)	4.8	0	6.3	0
WiFi 2.4G 802.11n MIMO(40M)	4.8	0	6.3	0
WiFi 5G 802.11a Ant5	3.5	0	8.5	0
WiFi 5G 802.11a Ant6	3.0	0	8.0	0
WiFi 5G 802.11n(20M) Ant5	3.5	0	8.5	0
WiFi 5G 802.11n (20M)Ant6	3.0	0	8.0	0
WiFi 5G 802.11 n(40M) Ant5	3.0	0	8.0	0
WiFi 5G 802.11n(40M) Ant6	2.5	0	7.5	0
WiFi 5G 802.11ac(20M) Ant5	3.5	0	8.5	0
WiFi 5G 802.11ac(20M) Ant6	3.0	0	8.0	0
WiFi 5G 802.11ac(40M) Ant5	3.0	0	8.0	0
WiFi 5G 802.11ac(40M) Ant6	2.5	0	7.5	0
WiFi 5G 802.11ac(80M) Ant5	0	0	2.0	0
WiFi 5G 802.11ac(80M) Ant6	0	0	2.0	0
WiFi 5G 802.11ac(160M) Ant5	0	0	0.5	0
WiFi 5G 802.11ac(160M) Ant6	0	0	0.5	0
WiFi 5G 802.11a CDD	3.5	0	8.3	0
WiFi 5G 802.11n (20M)MIMO	3.5	0	8.3	0
WiFi 5G 802.11n(40M) MIMO	2.8	0	7.8	0
WiFi 5G 802.11ac(20M) MIMO	3.5	0	8.3	0
WiFi 5G 802.11ac(40M) MIMO	2.8	0	7.8	0
WiFi 5G 802.11ac(80M) MIMO	0	0	1.0	0
WiFi 5G 802.11ac(160M) MIMO	0	0	0.3	0

For FCC SAR test, WiFi SAR test should be evaluated at the power level of FCC mobile country code for each exposure conditions.

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6.9.3 Power Reduction Specification of 2G/3G/4G Main Antenna

The following tables summarize the key power reduction information of 2G/3G/4G main antenna. The detailed full power and reduced conducted power measurement results are provided in section 7 of this report:

Band	2G/3G/4G Main Antenna Power Reduction Level Amount (dB)					
	Full power (Other conditions)	Receiver off				
		hotspot off		hotspot on		
		sensor on*		sensor off	sensor on**	
	Full Power	Reduced Power Level D1	Reduced Power Level D2	Reduced Power Level D3	Reduced Power Level D4	Reduced Power Level D5
GSM1900	0	2.0	0	0	2	0
UMTS Band II	0	2.5	0	2.5	5.0	2.5
UMTS Band IV	0	3.0	0	3.0	6.0	3.0
LTE Band 2	0	2.0	0	2.0	4.0	2.0
LTE Band 4	0	3.0	0	3.0	6.0	3.0
LTE Band 7	0	4.0	2.5	2.5	6.5	5.0
UL CA_7C	0	4.0	2.5	2.5	6.5	5.0
LTE Band 38	0	2.0	0.5	2.0	4.0	2.5
UL CA_38C	0	2.0	0.5	2.0	4.0	2.5
LTE Bnad 41	0	2.0	0	2.0	4.0	2.0
UL CA_41C	0	2.0	0	2.0	4.0	2.0
LTE Band 66	0	2.0	0	3.0	5.0	3.0

Note:

1) * Reduced Power Level D1 or Reduced Power Level D2 is determined by different sensor Trigger Distance ranges when hotspot is off;

2) ** Reduced Power Level D4 or Reduced Power Level D5 is determined by different sensor Trigger Distance range when hotspot is on;

3) For some frequency bands, the power reduction level amount value 0 means there is no power reduction in this frequency band and exposure conditions. The power level is the same as full power

4) Please refer to section 6.9.4 for detailed Proximity sensor power reduction test configuration and validation results per KDB616217.

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6.9.4 Proximity sensor Power Reduction Test configuration and validation

Due to the operating configurations and exposure conditions required by the device, the proximity sensor is used to indicate when the device is held close to a user's body/hotspot 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. **It is also set an output power leveled to the lowest one to make sure that in any case of SAR sensor hardware failure the SAR requirements can still be satisfied.**
The following tables summerize the key power reduction information for proximity sensor. The test procedures in KDB 616217 should be applied to determine proximity sensor triggering distances, and sensor coverage for normal and tilt positions. To ensure all production units are compliant, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, or more if it is necessary, and use the smallest distance for movements to and from the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.

2G/3G/4G Main antenna (hotspot off)					
Band	Test position	Sensor Trigger Distance range(DUT to Phantom)	Power reduction amount(dB)	Max Power level （dBm）	Power level
GSM 1900	Bottom side	0mm ≤distance ≤ 8mm	2.0	29.0	Reduced Power Level D1
		8mm < distance	0	31.0	Full Power
	Back side	0mm ≤distance ≤ 6mm	2.0	29.0	Reduced Power Level D1
		6mm < distance	0	31.0	Full Power
	Front side	0mm ≤ distance ≤ 2mm	2.0	29.0	Reduced Power Level D1
		2mm < distance	0	31.0	Full Power
	Left side	ALL	0	31.0	Full Power
	Right side	ALL	0	31.0	Full Power
	Top side	ALL	0	31.0	Full Power
UMTS Band II	Bottom side	0mm ≤distance ≤ 8mm	2.5	22.5	Reduced Power Level D1
		8mm < distance	0	25.0	Full Power
	Back side	0mm ≤distance ≤ 6mm	2.5	22.5	Reduced Power Level D1
		6mm < distance	0	25.0	Full Power
	Front side	0mm ≤ distance ≤ 2mm	2.5	22.5	Reduced Power Level D1
		2mm < distance	0	25.0	Full Power
	Left side	ALL	0	25.0	Full Power

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	Right side	ALL	0	25.0	Full Power
	Top side	ALL	0	25.0	Full Power
UMTS Band IV	Bottom side	0mm ≤distance ≤ 8mm	3.0	22.0	Reduced Power Level D1
		8mm < distance	0	25.0	Full Power
	Back side	0mm ≤distance ≤ 6mm	3.0	22.0	Reduced Power Level D1
		6mm < distance	0	25.0	Full Power
	Front side	0mm ≤ distance ≤ 2mm	3.0	22.0	Reduced Power Level D1
		2mm < distance	0	25.0	Full Power
	Left side	ALL	0	25.0	Full Power
	Right side	ALL	0	25.0	Full Power
	Top side	ALL	0	25.0	Full Power
LTE B2	Bottom side	0mm ≤distance ≤ 8mm	2.0	22.7	Reduced Power Level D1
		8mm < distance	0	24.7	Full Power
	Back side	0mm ≤distance ≤ 6mm	2.0	22.7	Reduced Power Level D1
		6mm < distance	0	24.7	Full Power
	Front side	0mm ≤ distance ≤ 2mm	2.0	22.7	Reduced Power Level D1
		2mm < distance	0	24.7	Full Power
	Left side	ALL	0	24.7	Full Power
	Right side	ALL	0	24.7	Full Power
	Top side	ALL	0	24.7	Full Power
LTE B4	Bottom side	0mm ≤distance ≤ 8mm	3.0	22.2	Reduced Power Level D1
		8mm < distance	0	25.2	Full Power
	Back side	0mm ≤distance ≤ 6mm	3.0	22.2	Reduced Power Level D1
		6mm < distance	0	25.2	Full Power
	Front side	0mm ≤ distance ≤ 2mm	3.0	22.2	Reduced Power Level D1
		2mm < distance	0	25.2	Full Power
	Left side	ALL	0	25.2	Full Power
	Right side	ALL	0	25.2	Full Power

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	Top side	ALL	0	25.2	Full Power
LTE B7	Bottom side	0mm ≤distance ≤ 8mm	4.0	20.7	Reduced Power Level D1
		8mm < distance ≤11mm	2.5	22.2	Reduced Power Level D2
		distance >11mm	0	24.7	Full Power
	Back side	0mm ≤ distance ≤ 6mm	4.0	20.7	Reduced Power Level D1
		6mm < distance ≤9mm	2.5	22.2	Reduced Power Level D2
		distance >9mm	0	24.7	Full Power
	Front side	0mm ≤ distance ≤ 2mm	4.0	20.7	Reduced Power Level D1
		2mm < distance ≤6mm	2.5	22.2	Reduced Power Level D2
		distance >6mm	0	24.7	Full Power
	Left side	ALL	0	24.7	Full Power
	Right side	ALL	0	24.7	Full Power
	Top side	ALL	0	24.7	Full Power
LTE B38	Bottom side	0mm ≤distance ≤ 8mm	2.0	23.0	Reduced Power Level D1
		8mm < distance ≤11mm	0.5	24.5	Reduced Power Level D2
		distance >11mm	0	25.0	Full Poawer
	Back side	0mm ≤ distance ≤ 6mm	2.0	23.0	Reduced Power Level D1
		6mm < distance ≤9mm	0.5	24.5	Reduced Power Level D2
		distance >9mm	0	25.0	Full Poawer
	Front side	0mm ≤ distance ≤ 2mm	2.0	23.0	Reduced Power Level D1
		2mm < distance ≤6mm	0.5	24.5	Reduced Power Level D2
		distance >6mm	0	25.0	Full Power
	Left side	ALL	0	25.0	Full Power
	Right side	ALL	0	25.0	Full Power
	Top side	ALL	0	25.0	Full Power

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LTE B41	Bottom side	0mm ≤distance ≤ 8mm	2.0	23.2	Reduced Power Level D1
		8mm < distance	0	25.2	Full Power
	Back side	0mm ≤distance ≤ 6mm	2.0	23.2	Reduced Power Level D1
		6mm < distance	0	25.2	Full Power
	Front side	0mm ≤ distance ≤ 2mm	2.0	23.2	Reduced Power Level D1
		2mm < distance	0	25.2	Full Power
	Left side	ALL	0	25.2	Full Power
	Right side	ALL	0	25.2	Full Power
	Top side	ALL	0	25.2	Full Power
LTE B66	Bottom side	0mm ≤distance ≤ 8mm	2.0	23.2	Reduced Power Level D1
		8mm < distance	0	25.2	Full Power
	Back side	0mm ≤distance ≤ 6mm	2.0	23.2	Reduced Power Level D1
		6mm < distance	0	25.2	Full Power
	Front side	0mm ≤ distance ≤ 2mm	2.0	23.2	Reduced Power Level D1
		2mm < distance	0	25.2	Full Power
	Left side	ALL	0	25.2	Full Power
	Right side	ALL	0	25.2	Full Power
	Top side	ALL	0	25.2	Full Power

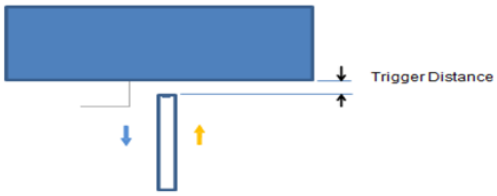
Note:
To ensure all production units are compliant, the smallest separation distance determined by the sensor triggering and sensor coverage for normal and tilt positions for all usage conditions and applicable sides, minus 1 mm, must be used as the test separation distance for additional SAR testing of each higher power stage.
For the other sides or other frequency bands of the device, SAR is still tested at the maximum full power level with sensor off.

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1) Procedures for determining proximity sensor triggering distances

The device was tested by the test lab to determine the proximity sensor triggering distances for the front side, back side and bottom side of the device. To ensure all production units are compliant, the smallest separation distance determined by the sensor triggering minus 1 mm, must be used as the test separation distance for SAR testing.

the proximity sensor triggering distance measurement method are as below:



Picture: Proximity sensor triggering distances assessment Bottom Side



Picture: Proximity sensor triggering distances assessment Front Side and Back side

Table: Summary of Trigger Distances

Band	Reduced Power Level	Trigger distance-Front Side		Trigger distance-Back Side		Trigger distance-Bottom Side	
		Moving toward phantom	Moving away from phantom	Moving toward phantom	Moving away from phantom	Moving toward phantom	Moving away from phantom
GSM1900	Reduced Power Level D1	2mm	2mm	6mm	6mm	8mm	8mm
UMTS Band II	Reduced Power Level D1	2mm	2mm	6mm	6mm	8mm	8mm
UMTS Band IV	Reduced Power Level D1	2mm	2mm	6mm	6mm	8mm	8mm
LTE Band 2	Reduced Power Level D1	2mm	2mm	6mm	6mm	8mm	8mm
LTE Band 4	Reduced Power Level D1	2mm	2mm	6mm	6mm	8mm	8mm
LTE Band 7	Reduced Power Level D1	2mm	2mm	6mm	6mm	8mm	8mm
	Reduced Power Level D2	6mm	6mm	9mm	9mm	11mm	11mm
UL CA_7C	Reduced Power Level D1	2mm	2mm	6mm	6mm	8mm	8mm
	Reduced Power Level D2	6mm	6mm	9mm	9mm	11mm	11mm
LTE Band 38	Reduced Power Level D1	2mm	2mm	6mm	6mm	8mm	8mm

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	Reduced Power Level D2	6mm	6mm	9mm	9mm	11mm	11mm
UL CA_38C	Reduced Power Level D1	2mm	2mm	6mm	6mm	8mm	8mm
	Reduced Power Level D2	6mm	6mm	9mm	9mm	11mm	11mm
LTE Band 41	Reduced Power Level D1	2mm	2mm	6mm	6mm	8mm	8mm
UL CA_41C	Reduced Power Level D1	2mm	2mm	6mm	6mm	8mm	8mm
LTE Band 66	Reduced Power Level D1	2mm	2mm	6mm	6mm	8mm	8mm

Note:

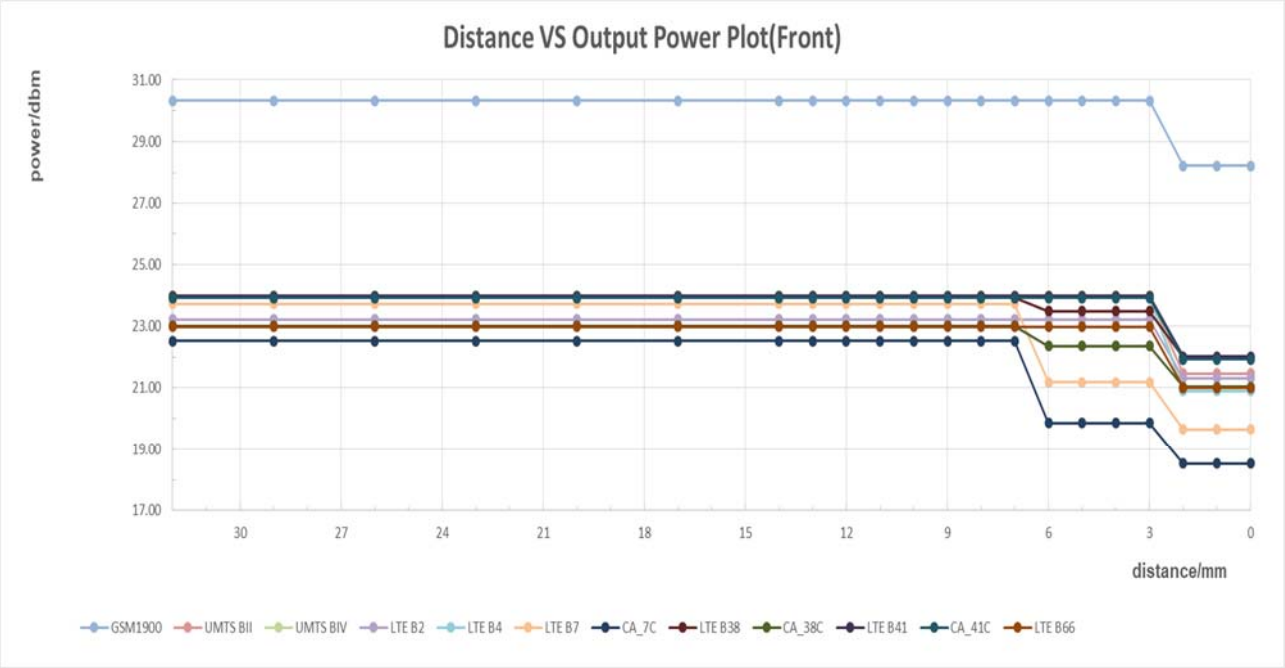
1) * The sensor Trigger Distance of Reduced Power Level D4 (hotspot on) and Reduced Power Level D1 (hotspot off) are the same.

2) * The sensor Trigger Distance of Reduced Power Level D5 (hotspot on) and Reduced Power Level D2 (hotspot off) are the same.

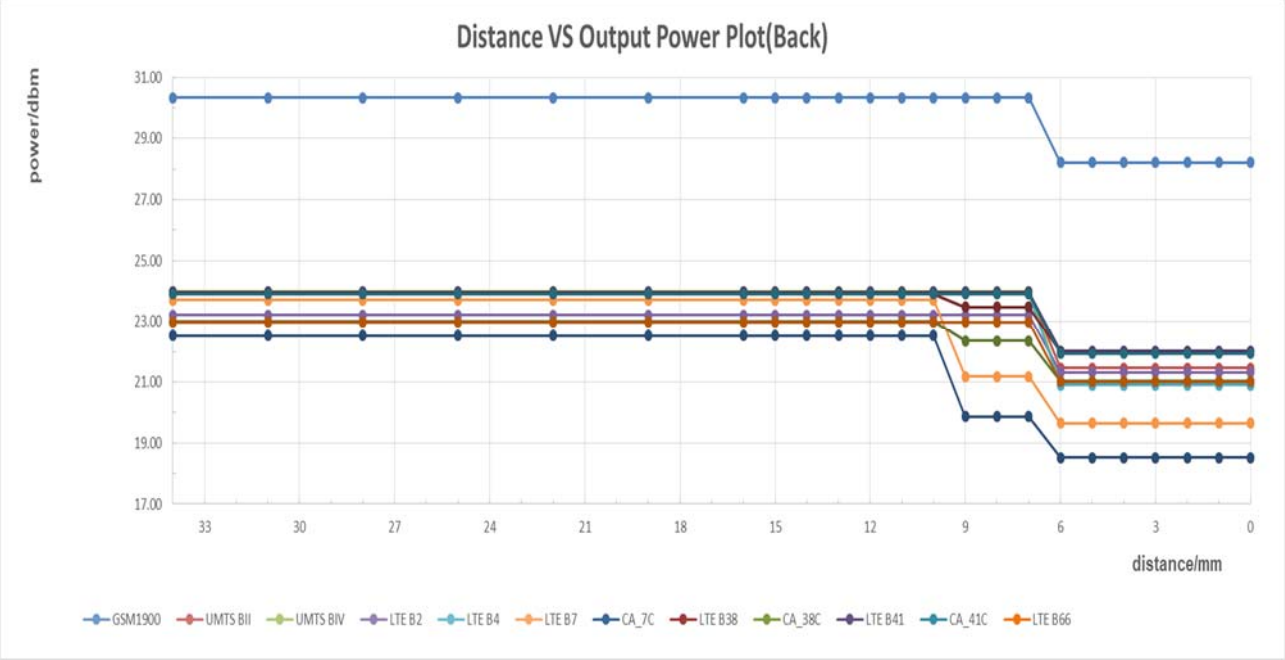
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The detailed conducted power measurement data to determine the triggering distances is as below:

The DUT(Front side) is moved towards the flat phantom with/without protective cover(Hotspot off):

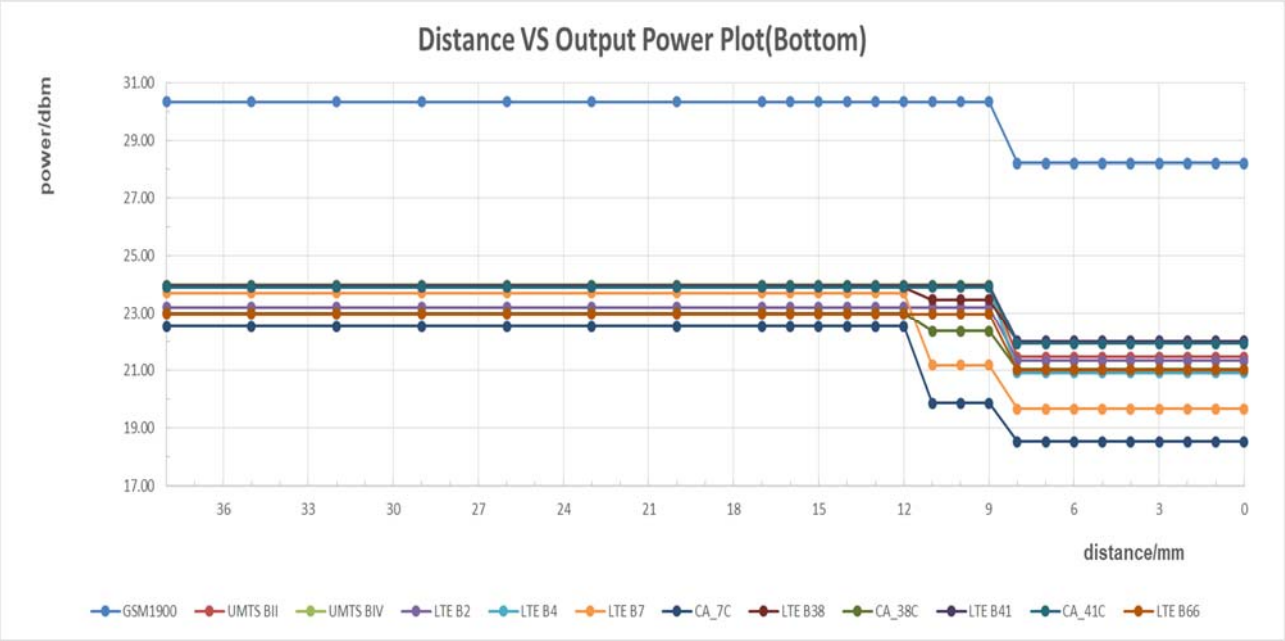


The DUT(Back side) is moved towards the flat phantom with/without protective cover(Hotspot off):

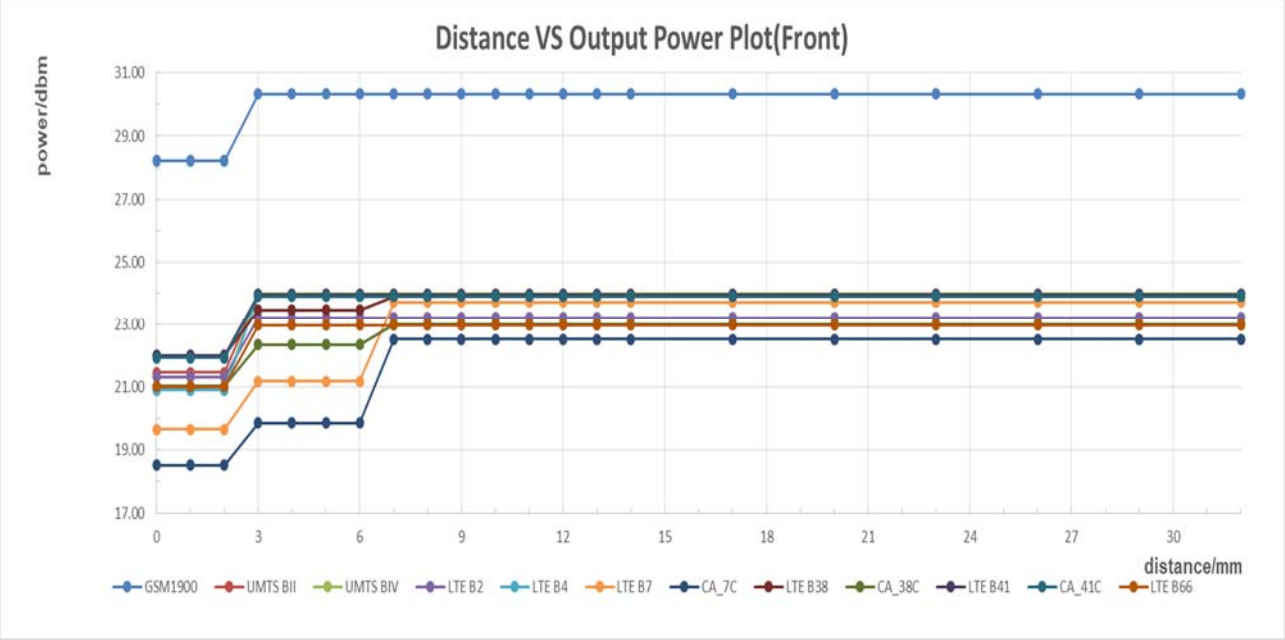


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The DUT(Bottom side) is moved towards the flat phantom with/without protective cover(Hotspot off):

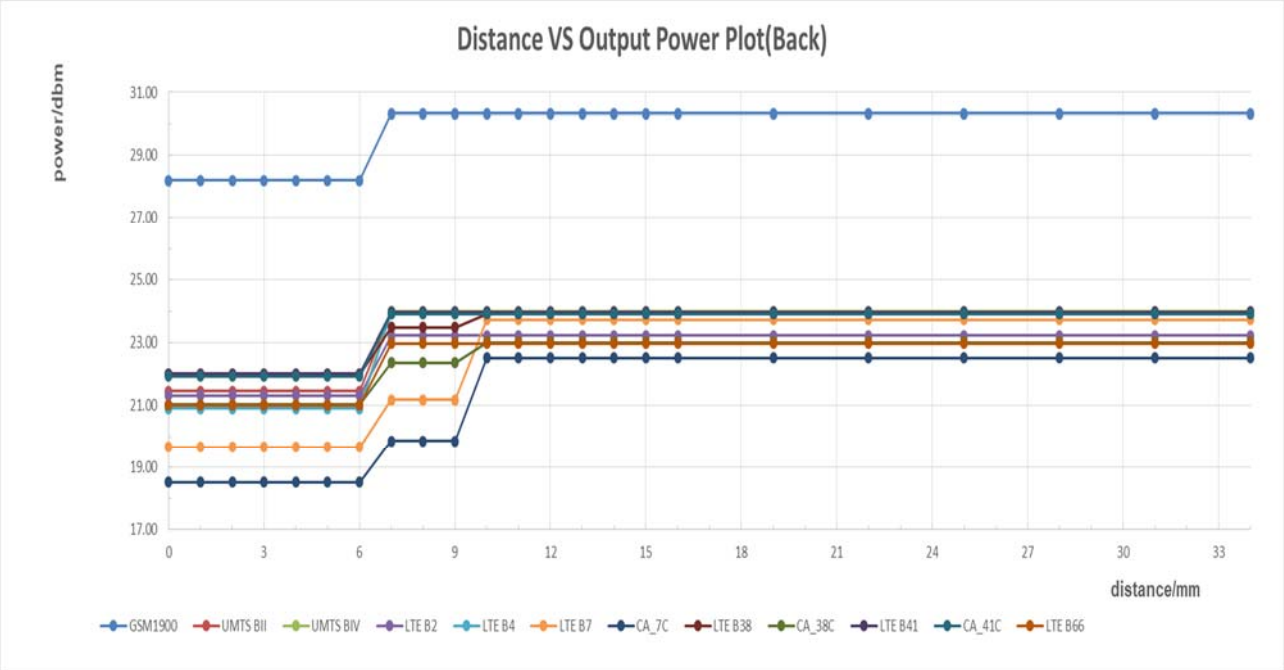


The DUT(Front side) is moved away the flat phantom with/without protective cover(Hotspot off):

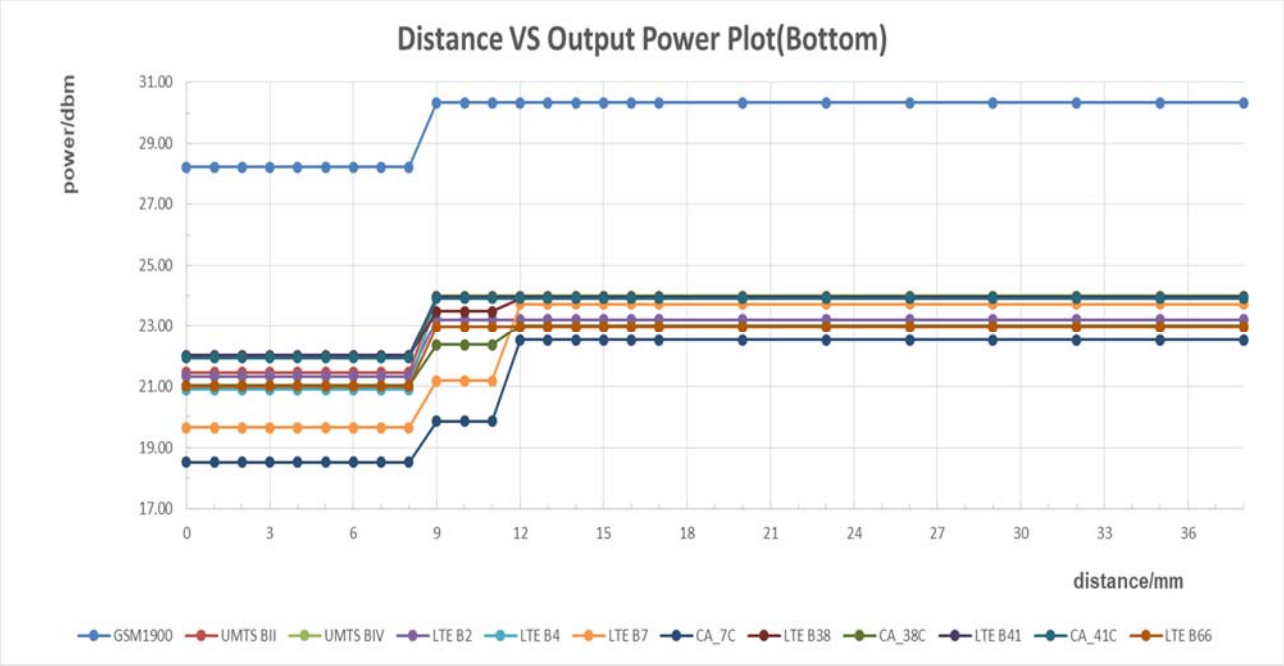


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The DUT(Back side) is moved away the flat phantom with/without protective cover(Hotspot off):

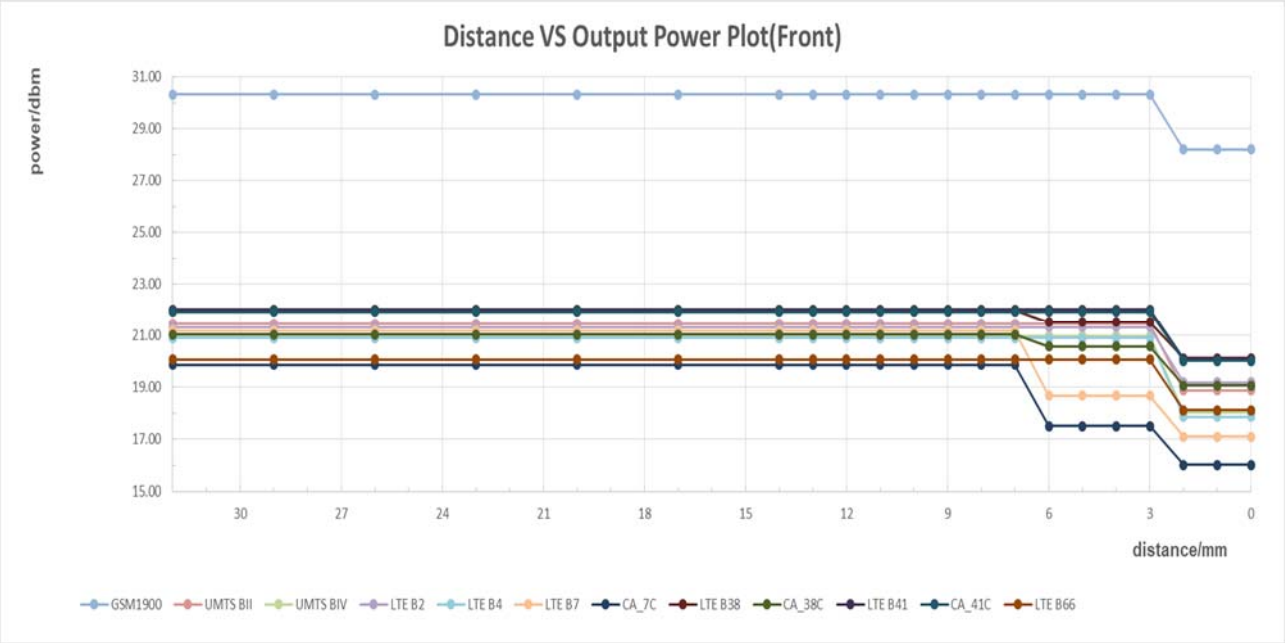


The DUT(Bottom side) is moved away the flat phantom with/without protective cover(Hotspot off):

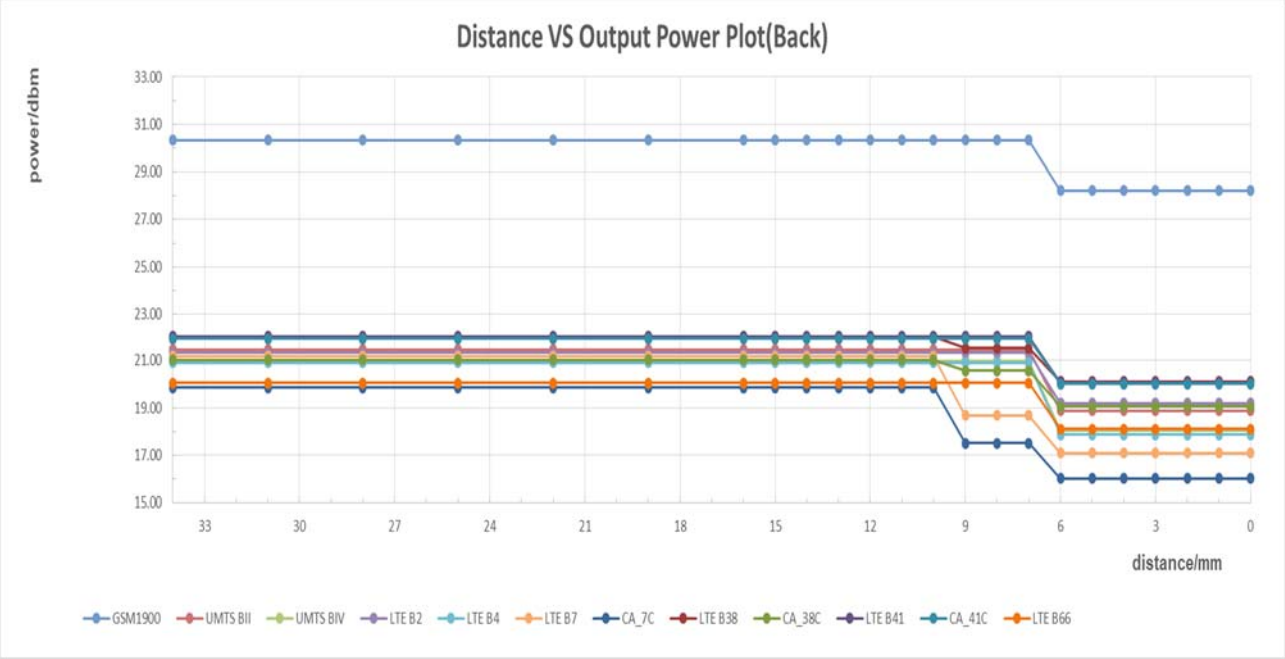


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The DUT(Front side) is moved towards the flat phantom with/without protective cover(Hotspot on):

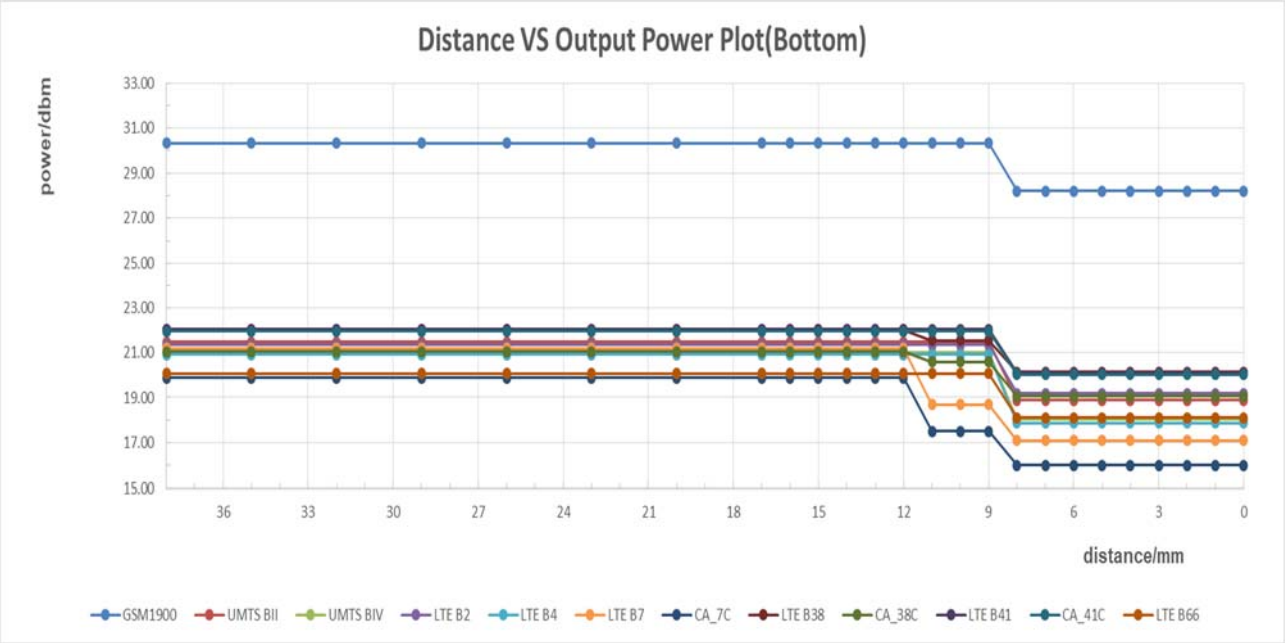


The DUT(Back side) is moved towards the flat phantom with/without protective cover(Hotspot on):

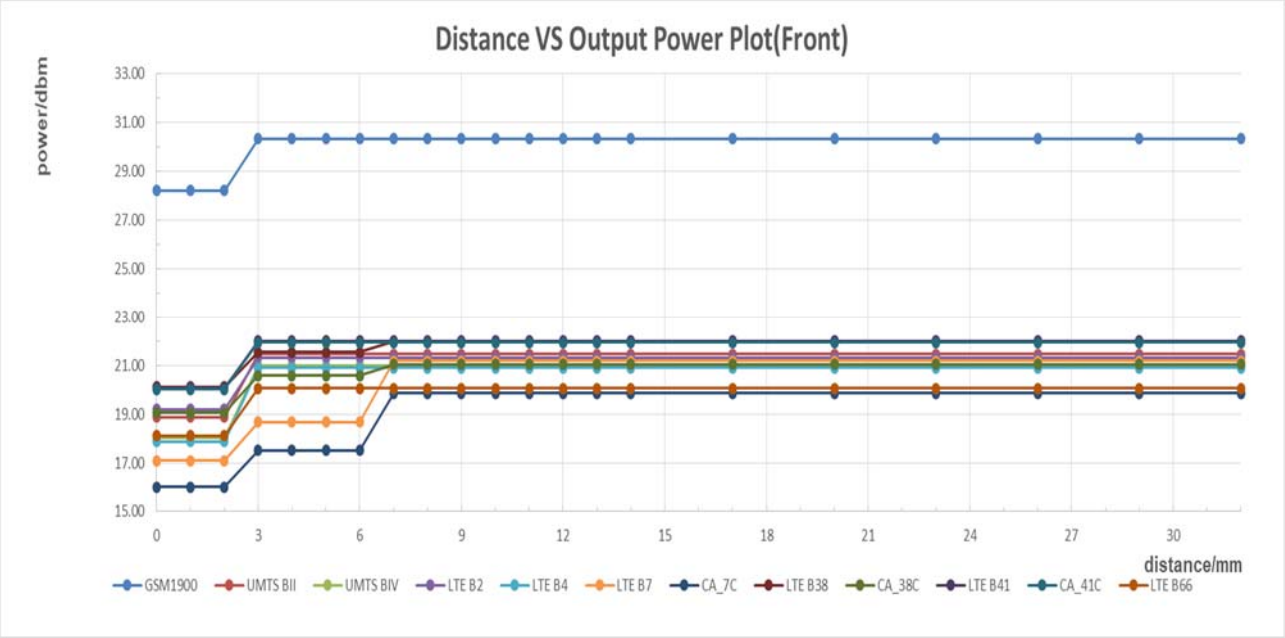


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The DUT(Bottom side) is moved towards the flat phantom with/without protective cover(Hotspot on):

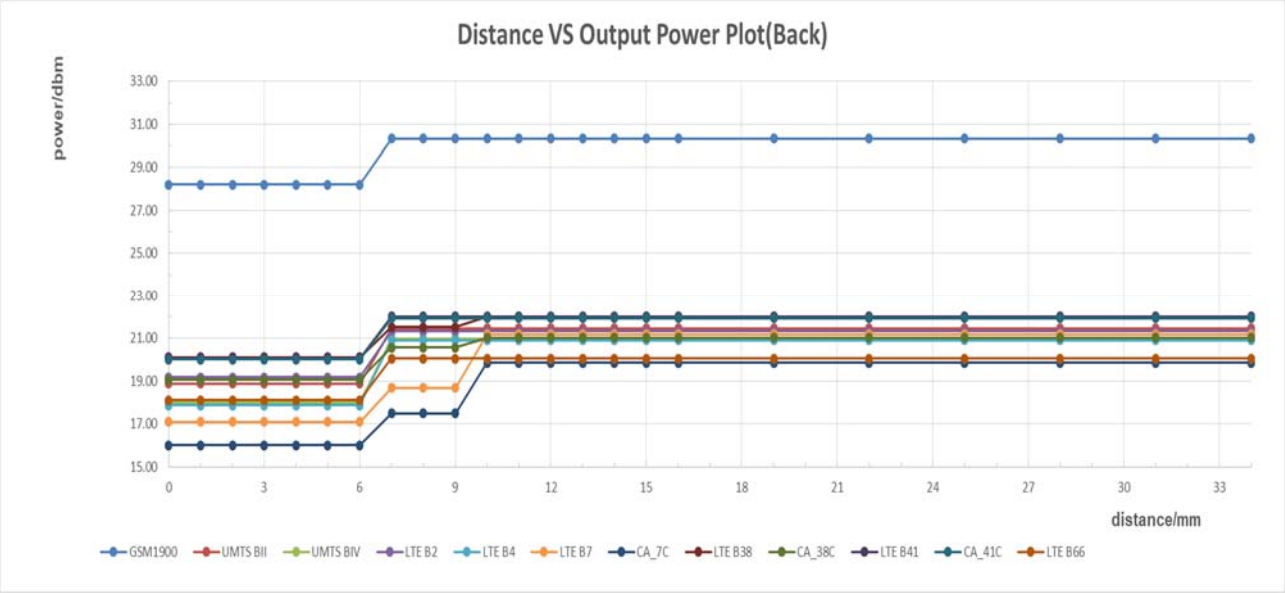


The DUT(Front side) is moved away the flat phantom with/without protective cover(Hotspot on):

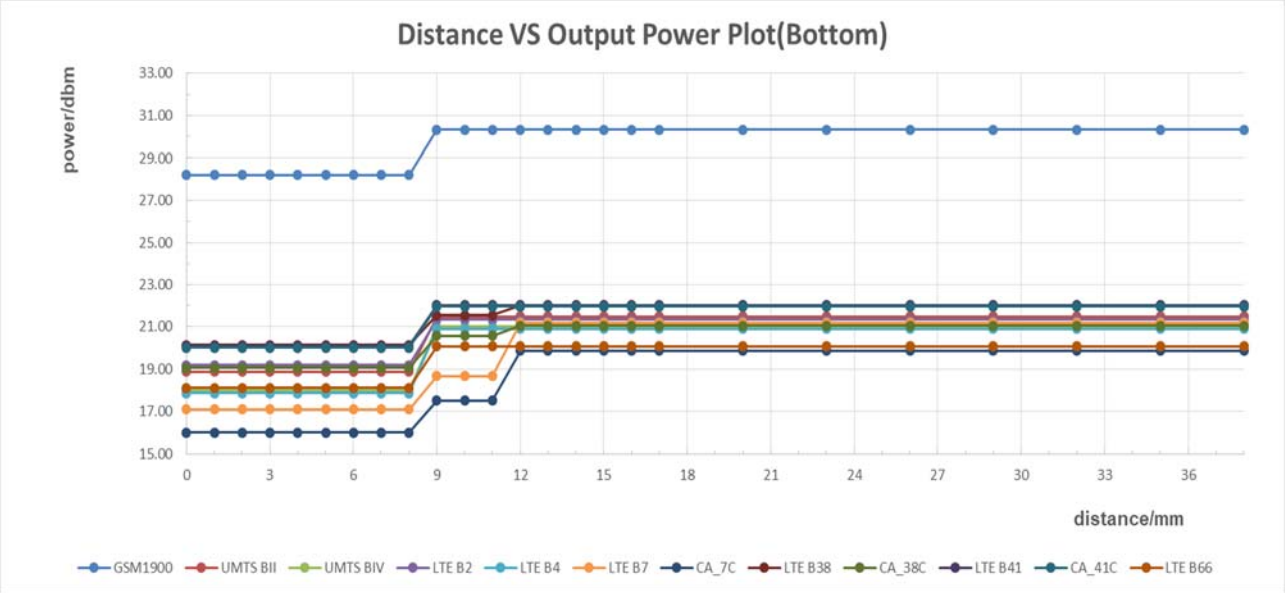


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The DUT(Back side) is moved away the flat phantom with/without protective cover(Hotspot on):



The DUT(Bottom) is moved away the flat phantom with/without protective cover(Hotspot on):



Conclusion: It can be ensured that the proximity sensor can be valid triggered for the body exposure condition. (GSM 1900,UMTS Band II/IV,LTE Band 2/4/7/38/41/66, UL CA_7C, UL CA_38C, UL CA_41C with Main Antenna)

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2) Procedures for determining antenna and proximity sensor coverage

According to the antenna and sensors location figure: Proximity sensor is a floating metal sheet, which cannot fully overwrite the 2G/3G/4G main antenna. So the proximity sensor coverage need to be assessed for the frequency bands and test positions supporting proximity sensor power reduction per KDB 616217:

a) All the sides/edges (bottom side, front side and back side of the device) is positioned at a test separation distance less than or equal to the distance required for sensor triggering, with both the antenna and sensor pad located at least 20 mm laterally outside the edge (boundary) of the phantom, along the direction of maximum antenna and sensor offset.
Each applicable edge should be positioned perpendicularly to the phantom to determine sensor coverage. For antennas and/or sensors located near the corner of a tablet, both adjacent edges must be considered.

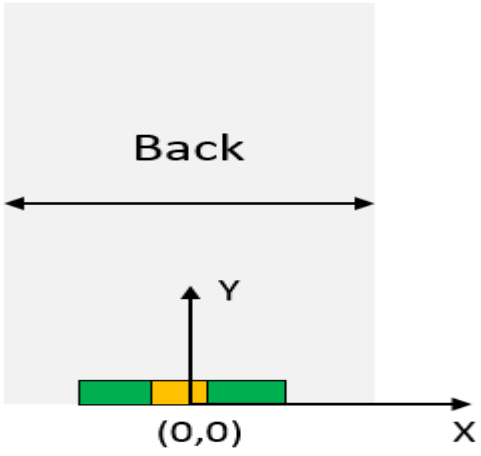
b) The similar sequence of steps applied to determine sensor triggering distance are used to verify the sensor coverage by moving the DUT(sensor and antenna) horizontally toward the phantom while maintaining the same vertical separation between the side or edge and the phantom.

c) After the exact location where triggering of power reduction is determined, with respect to the sensor and antenna, the DUT movement should be continued, in 3 mm increments, until both the sensor and antenna(s) are fully under the phantom and at least 20 mm inside the phantom edge.

d) The process is then repeated from the opposite direction, starting at the other end of the maximum antenna and sensor offset, by rotating the DUT 180° along the vertical axis.
e) The triggering points should be documented graphically, with the antenna and sensor clearly identified, along with all relevant dimensions.

f) If the subsequently measured peak SAR location for the antenna is not between the triggering points, established by the sensor coverage tests from opposite ends of the antenna and sensor, additional SAR tests may be required for conditions where only part of the surface or edge of the DUT corresponding to the antenna is in proximity to the user and the sensor may not be triggering as desired.

The proximity sensor coverage measurement method are as below:



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Figure: Plane coordinate system definition on the DUT

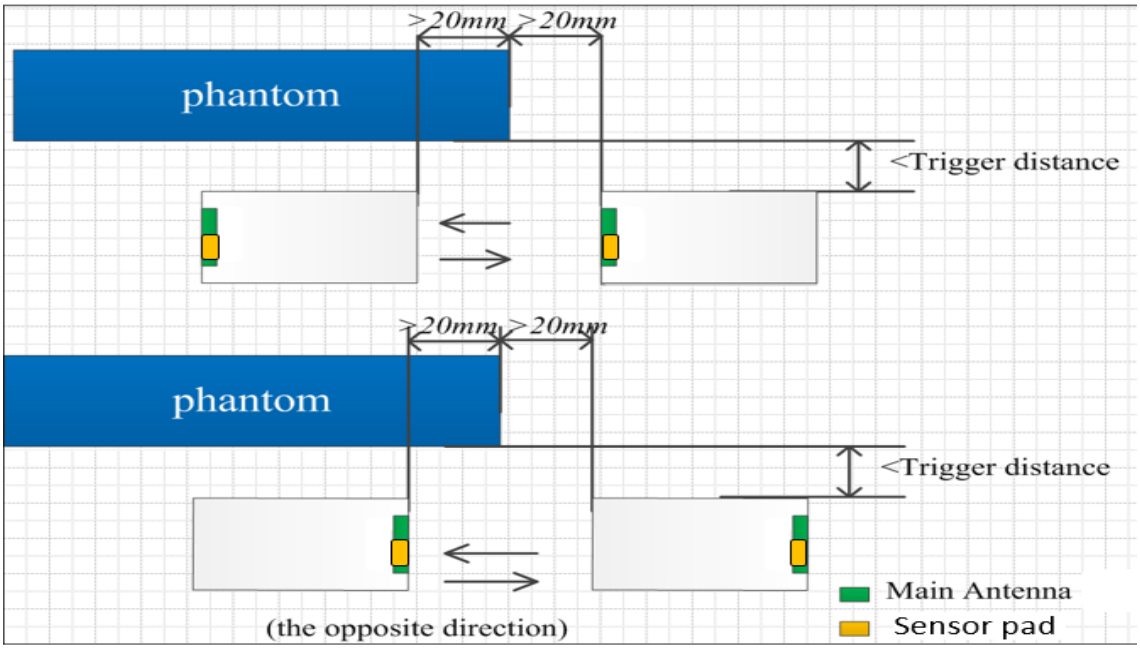


Figure: proximity sensor coverage assesment (Y coordinate direction)

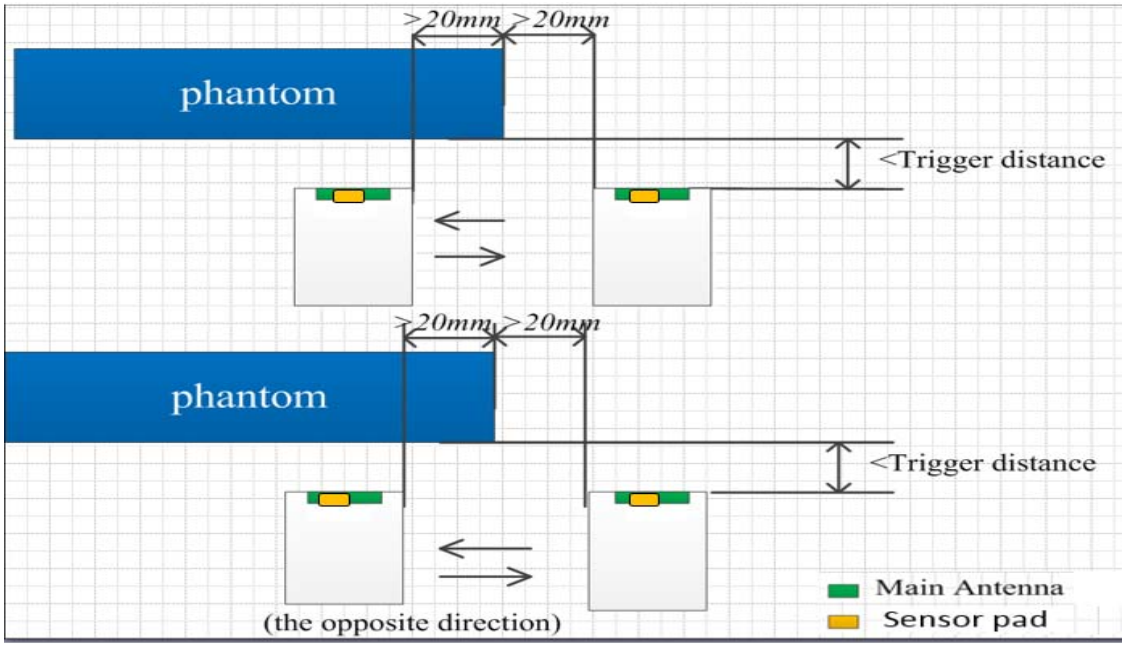
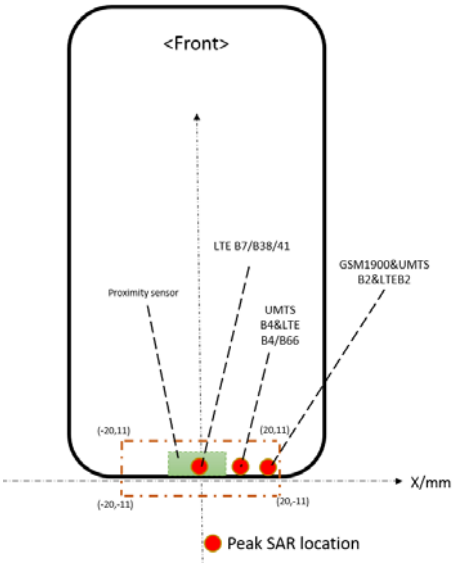


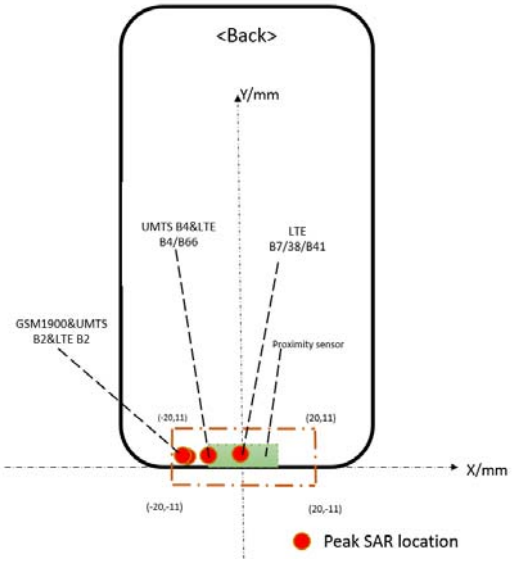
Figure: proximity sensor coverage assesment (X coordinate direction)

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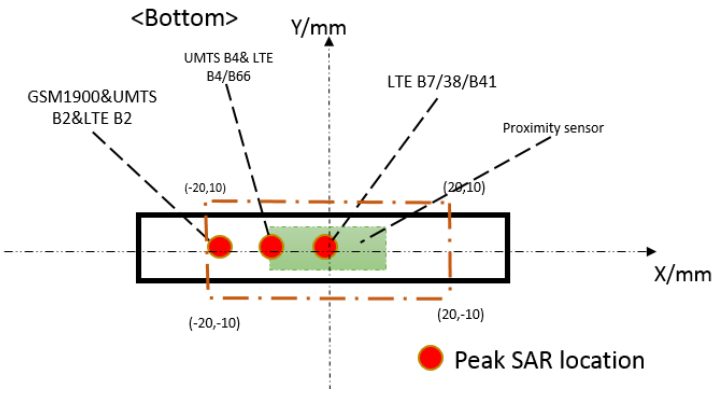
sensor coverage assesment results(Front side):



sensor coverage assesment results(Back side):



sensor coverage assesment results(Bottom side):



Conclusion: As the subsequently measured peak SAR location for the antenna is between the triggering points, additional SAR tests are not required for proximity sensor coverage per KDB 616217.

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3) Procedures for determining device tilt angle influences to proximity sensor triggering

The DUT was positioned directly below the flat phantom at the minimum measured trigger distance with Bottom side parallel to the base of the flat phantom for each band.

The EUT was rotated about Bottom side for angles up to +/- 45°. If the output power increased during the rotation the DUT was moved 1mm toward the phantom and the rotation repeated. This procedure was repeated until the power remained reduced for all angles up to +/- 45°.

The proximity sensor triggering tilt angle measurement method are as below:

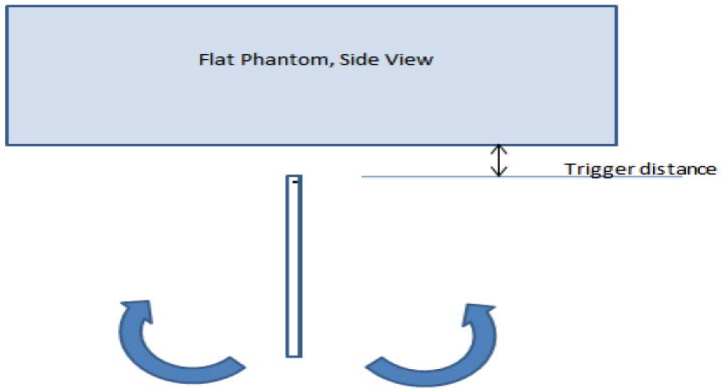


Table: Summary of Tablet Tilt Angle Influence to Proximity Sensor Triggering(Bottom side)

Band(MHz)	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	8mm	on	on	on	on	on	on	on	on	on	on	on
UMTS Band II	8mm	on	on	on	on	on	on	on	on	on	on	on
UMTS Band IV	8mm	on	on	on	on	on	on	on	on	on	on	on
LTE Band 2	8mm	on	on	on	on	on	on	on	on	on	on	on
LTE Band 4	8mm	on	on	on	on	on	on	on	on	on	on	on
LTE Band 7	8mm/11mm	on	on	on	on	on	on	on	on	on	on	on
UL CA_7C	8mm/11mm	on	on	on	on	on	on	on	on	on	on	on
LTE Band 38	8mm/11mm	on	on	on	on	on	on	on	on	on	on	on
UL CA_38C	8mm/11mm	on	on	on	on	on	on	on	on	on	on	on
LTE Band 41	8mm	on	on	on	on	on	on	on	on	on	on	on
UL CA_41C	8mm	on	on	on	on	on	on	on	on	on	on	on
LTE Band 66	8mm	on	on	on	on	on	on	on	on	on	on	on

Conclusion: It can be ensured that the proximity sensor can be valid triggered for the DUT tilt coverage exposure condition

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6.10 BT Test Configuration

BT specific wireless modes and SAR test:

The device supports a BT high power and low duty cycle feature in specific wireless modes and operating configurations. The BT of this device has three different operating modes:

1) Low power level mode (power level B, maximum duty cycle 100%);
2) High power level mode (power level A, maximum duty cycle 100%);
3) Sleep mode (power level A, maximum duty cycle 2%);

Note: For this device, power level B is ⩽ power level A.

The exposure condition related to each BT operating modes and SAR test plan are as below table according to FCC guidance:

Operating modes	Max power level	Maximum duty cycle	Exposure condition Required for SAR testing	
			Head (Audio Receiver on)	Body-worn/Hotspot/ Product Specific 10-g
Low power level mode	power level B	100%	**Yes (See Below Note 1)**	**Yes (See Below Note 1)**
High power level mode	power level A	100%	N/A **(See Below Note 3)**	**Yes**
Sleep mode	power level A	2%	**Yes (See Below Note 2)**	Not required

Note 1: The BT SAR results at low power level B is still required because the simultaneous transmission possibilities for BT at lower power level B and high power level A are different. The BT SAR results at low power level B should be used to evaluation the simultaneous transmission SAR conditions not supported by BT higher power level A(Refer to Section 7.3 for details).

Note 2: Sleep mode (power level A, maximum duty cycle 2%) random transmission characteristics are not suitable for configuring devices to support SAR measurements in the test lab environment. So the alternative method is to test the SAR at power level A with maximum duty cycle 100% and then multiply by a duty cycle scaling factor 2%(Refer to Section 7.2 for details).

Note 3: High power level mode (power level A, maximum duty cycle 100%) is not applicable for Head exposure condtion(Audio Receiver on) by design.

Note 4: Both the power level A and B results will be tested and provided in the SAR report to validate the power reduction function works(Refer to section 7.1 for detailed conducted power results).
During the BT test, a test software tool (an APK) installed on the DUT is required to configure the DUT to transmit continuously at the maximum power level A using the highest transmission duty factor(100%). The APK function is only used to trigger mobile phone always transmitting power. It can be ensured that the unmodified settings in production units, including maximum output power, amplifier gain and other RF performance or tuning parameters, are used for SAR measurement.

The following setup can be used to validate the BT high power A and Low duty cycle(2%) mode:

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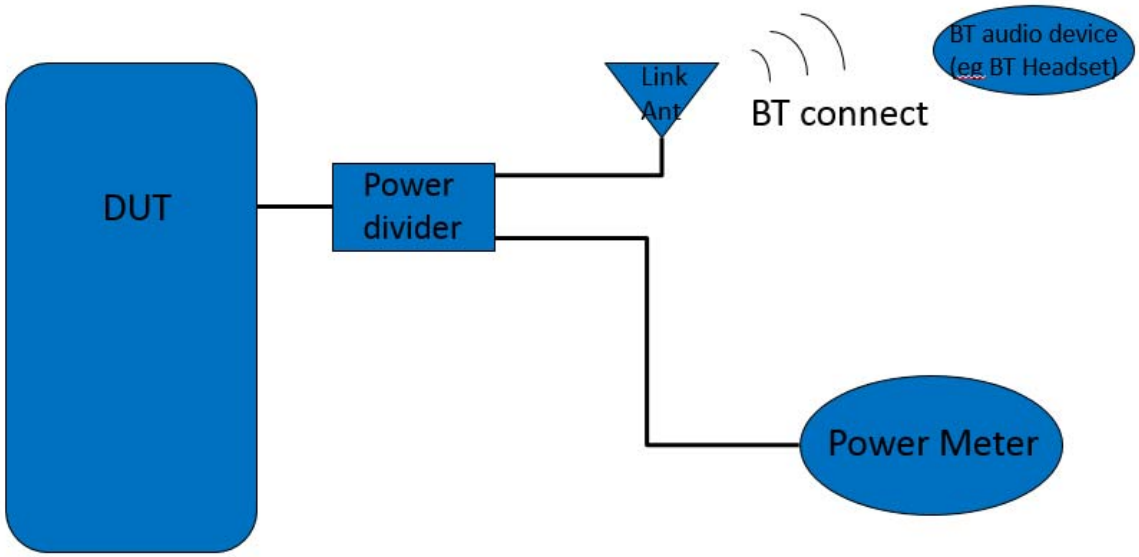


Figure: The BT Sleep mode(power level A, maximum duty cycle 2%) mode validation

BT power (power level A), maximum duty cycle 2% mode validation result:

power level A, maximum duty cycle 100%		**power level A, maximum duty cycle 2% (Sleep mode)**		**Duty cycle Calculation**
dBm	mW	dBm	mW	
15.48	35.32	-1.87	0.65	1.8%

Note: During low duty cycle mode validation, the mobile phone is connected to an external audio device that can play music and/or make calls (eg: BT headset ,BT speaker) via BT. Because BT works in frequency hopping mode in this real usage scenes, it is difficult to fix the channel and test the power value of each separately. Only the max average value is obtained by the power meter .

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7 SAR Measurement Results

7.1 Conducted power measurements

For the measurements a Radio Communication Tester was used.
SAR drift measured at the same position in liquid before and after each SAR test as below 7.2 chapter.
Note: Radio Communication Tester measures GSM peak and average output power for active timeslots. For SAR the timebased 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	1:4.1	1:2.77	1:2.08
timebased avg. power compared to slotted avg. power	-9.19dB	-6.13dB	-4.42dB	-3.18dB

The signalling modes differ as follows:

mode	**coding scheme**	**modulation**
GPRS	CS1 to CS4	GMSK
EDGE	MCS1 to MCS4	GMSK
EDGE	MCS5 to MCS9	8PSK

Apart from modulation change (GMSK/8PSK) coding schemes differ in code rate without influence on the RF signal. Therefore, one coding scheme per mode was selected for conducted power measurements.

A Radio Communication Tester was used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing.

The Radio Communication Teste measures LTE TDD peak and average output power for active timeslots. LTE TDD 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:

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.

No. of Configuration	**0**	1	2	3	4	5	6
Duty Cycle	**0.6333**	0.4333	0.2333	0.3167	0.2167	0.1167	0.5333
Time-based avg. power compared to slotted avg. power	**-1.98dB**	-3.63dB	-6.32dB	-4.99dB	-6.64dB	-9.33 dB	-2.73dB

Note: According to duty cycle of configuration 0 to 6, Max output power should be Configuration 0, so we just tested the conduction power and SAR of configuration 0.

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7.1.1 Conducted power measurements of GSM850 (Second Antenna)

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up Max.	128CH	190CH	251CH		Tune-up Max.	128CH	190CH	251CH
GSM (CS)		28.70	**28.11**	**28.29**	**28.22**	-9.19	19.51	18.92	19.10	19.03
GPRS (GMSK)	1 Tx Slot	28.70	28.22	28.28	28.21	-9.19	19.51	19.03	19.09	19.02
	2 Tx Slots	26.70	**26.18**	**26.25**	**26.18**	-6.13	20.57	20.05	20.12	20.05
	3 Tx Slots	24.70	24.21	24.28	24.21	-4.42	20.28	19.79	19.86	19.79
	4 Tx Slots	22.70	22.13	22.20	22.14	-3.18	19.52	18.95	19.02	18.96
EDGE (GMSK)	1 Tx Slot	28.70	28.20	28.26	28.19	-9.19	19.51	19.01	19.07	19.00
	2 Tx Slots	26.70	26.17	26.24	26.17	-6.13	20.57	20.04	20.11	20.04
	3 Tx Slots	24.70	24.20	24.26	24.20	-4.42	20.28	19.78	19.84	19.78
	4 Tx Slots	22.70	22.10	22.19	22.13	-3.18	19.52	18.92	19.01	18.95
EDGE (8PSK)	1 Tx Slot	22.20	21.32	21.58	21.68	-9.19	13.01	12.13	12.39	12.49
	2 Tx Slots	21.20	20.22	20.43	20.55	-6.13	15.07	14.09	14.30	14.42
	3 Tx Slots	19.20	18.07	18.39	18.47	-4.42	14.78	13.65	13.97	14.05
	4 Tx Slots	18.20	16.95	17.18	17.24	-3.18	15.02	13.77	14.00	14.06

Table 13:Conducted power measurement results of GSM850(Full Power)

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up Max.	128CH	190CH	251CH		Tune-up Max.	128CH	190CH	251CH
GSM (CS)		28.20	**27.63**	**27.70**	**27.72**	-9.19	19.01	18.44	18.51	18.53
GPRS (GMSK)	1 Tx Slot	28.20	27.72	27.78	27.71	-9.19	19.01	18.53	18.59	18.52
	2 Tx Slots	26.20	25.70	25.76	25.70	-6.13	20.07	19.57	19.63	19.57
	3 Tx Slots	24.20	23.66	23.73	23.67	-4.42	19.78	19.24	19.31	19.25
	4 Tx Slots	22.20	21.63	21.71	21.65	-3.18	19.02	18.45	18.53	18.47
EDGE (GMSK)	1 Tx Slot	28.20	27.70	27.76	27.69	-9.19	19.01	18.51	18.57	18.50
	2 Tx Slots	26.20	25.68	25.76	25.69	-6.13	20.07	19.55	19.63	19.56
	3 Tx Slots	24.20	23.65	23.71	23.65	-4.42	19.78	19.23	19.29	19.23
	4 Tx Slots	22.20	21.60	21.70	21.64	-3.18	19.02	18.42	18.52	18.46
EDGE (8PSK)	1 Tx Slot	21.70	20.84	21.12	21.22	-9.19	12.51	11.65	11.93	12.03
	2 Tx Slots	20.70	19.79	19.99	20.08	-6.13	14.57	13.66	13.86	13.95
	3 Tx Slots	18.70	17.64	17.85	18.03	-4.42	14.28	13.22	13.43	13.61
	4 Tx Slots	17.70	16.55	16.77	16.83	-3.18	14.52	13.37	13.59	13.65

Table 14:Conducted power measurement results of GSM850(Reduced Power Level D1/D3)

Note:

1) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 timeslots.

2) Per KDB941225 D01, 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.

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7.1.2 Conducted power measurements of GSM850 (Main Antenna)

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up Max.	128CH	190CH	251CH		Tune-up Max.	128CH	190CH	251CH
GSM (CS)		34.00	**33.80**	**33.86**	**33.96**	-9.19	24.81	24.61	24.67	24.77
GPRS (GMSK)	1 Tx Slot	34.00	33.91	33.87	33.94	-9.19	24.81	24.72	24.68	24.75
	2 Tx Slots	32.00	**31.52**	**31.62**	**31.72**	-6.13	25.87	25.39	25.49	25.59
	3 Tx Slots	30.00	29.41	29.52	29.63	-4.42	25.58	24.99	25.10	25.21
	4 Tx Slots	28.00	27.36	27.48	27.60	-3.18	24.82	24.18	24.30	24.42
EDGE (GMSK)	1 Tx Slot	34.00	33.91	33.86	33.70	-9.19	24.81	24.72	24.67	24.51
	2 Tx Slots	32.00	31.51	31.61	31.70	-6.13	25.87	25.38	25.48	25.57
	3 Tx Slots	30.00	29.41	29.52	29.62	-4.42	25.58	24.99	25.10	25.20
	4 Tx Slots	28.00	27.35	27.47	27.58	-3.18	24.82	24.17	24.29	24.40
EDGE (8PSK)	1 Tx Slot	27.50	26.45	26.72	26.90	-9.19	18.31	17.26	17.53	17.71
	2 Tx Slots	26.50	25.39	25.64	25.80	-6.13	20.37	19.26	19.51	19.67
	3 Tx Slots	24.50	23.13	23.41	23.57	-4.42	20.08	18.71	18.99	19.15
	4 Tx Slots	23.50	22.01	22.37	22.51	-3.18	20.32	18.83	19.19	19.33

Table 15:Conducted power measurement results of GSM850(Full Power)

Note:

1) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 timeslots.

2) Per KDB941225 D01, 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.

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7.1.3 Conducted power measurements of GSM1900 (Second Antenna)

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up Max.	512CH	661CH	810CH		Tune-up Max.	512CH	661CH	810CH
GSM (CS)		27.00	**26.17**	**26.24**	**26.09**	-9.19	17.81	16.98	17.05	16.90
GPRS (GMSK)	1 Tx Slot	27.00	26.16	26.25	26.09	-9.19	17.81	16.97	17.06	16.90
	2 Tx Slots	25.00	**24.14**	**24.24**	**24.07**	-6.13	18.87	18.01	18.11	17.94
	3 Tx Slots	23.00	22.09	22.21	22.04	-4.42	18.58	17.67	17.79	17.62
	4 Tx Slots	21.00	20.12	20.27	20.09	-3.18	17.82	16.94	17.09	16.91
EDGE (GMSK)	1 Tx Slot	27.00	26.14	26.24	26.10	-9.19	17.81	16.95	17.05	16.91
	2 Tx Slots	25.00	24.12	24.22	24.07	-6.13	18.87	17.99	18.09	17.94
	3 Tx Slots	23.00	22.10	22.21	22.05	-4.42	18.58	17.68	17.79	17.63
	4 Tx Slots	21.00	20.12	20.27	20.09	-3.18	17.82	16.94	17.09	16.91
EDGE (8PSK)	1 Tx Slot	22.50	21.46	21.43	21.13	-9.19	13.31	12.27	12.24	11.94
	2 Tx Slots	21.50	20.37	20.35	20.03	-6.13	15.37	14.24	14.22	13.90
	3 Tx Slots	19.50	18.33	18.40	18.06	-4.42	15.08	13.91	13.98	13.64
	4 Tx Slots	18.50	17.25	17.21	16.83	-3.18	15.32	14.07	14.03	13.65

Table 16: Conducted power measurement results of GSM1900(Full Power)

Note:

1) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 timeslots.

2) Per KDB941225 D01, 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.

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7.1.4 Conducted power measurements of GSM1900 (Main Antenna)

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up Max.	512CH	661CH	810CH		Tune-up Max.	512CH	661CH	810CH
GSM (CS)		31.00	**30.32**	**30.33**	**30.14**	-9.19	21.81	21.13	21.14	20.95
GPRS (GMSK)	1 Tx Slot	31.00	30.28	30.34	30.14	-9.19	21.81	21.09	21.15	20.95
	2 Tx Slots	29.00	**28.17**	**28.19**	**28.02**	-6.13	22.87	22.04	22.06	21.89
	3 Tx Slots	27.00	26.16	26.15	26.01	-4.42	22.58	21.74	21.73	21.59
	4 Tx Slots	25.00	24.07	24.08	23.93	-3.18	21.82	20.89	20.90	20.75
EDGE (GMSK)	1 Tx Slot	31.00	30.25	30.29	30.11	-9.19	21.81	21.06	21.10	20.92
	2 Tx Slots	29.00	28.16	28.18	28.01	-6.13	22.87	22.03	22.05	21.88
	3 Tx Slots	27.00	26.16	26.15	26.01	-4.42	22.58	21.74	21.73	21.59
	4 Tx Slots	25.00	24.07	24.18	23.93	-3.18	21.82	20.89	21.00	20.75
EDGE (8PSK)	1 Tx Slot	26.50	25.84	25.76	25.48	-9.19	17.31	16.65	16.57	16.29
	2 Tx Slots	25.50	24.01	23.93	23.62	-6.13	19.37	17.88	17.80	17.49
	3 Tx Slots	23.50	22.01	22.02	21.70	-4.42	19.08	17.59	17.60	17.28
	4 Tx Slots	22.50	20.96	20.88	20.51	-3.18	19.32	17.78	17.70	17.33

Table 17: Conducted power measurement results of GSM1900(Full Power)

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up Max.	512CH	661CH	810CH		Tune-up Max.	512CH	661CH	810CH
GSM (CS)		29.00	28.20	28.21	28.04	-9.19	19.81	19.01	19.02	18.85
GPRS (GMSK)	1 Tx Slot	29.00	28.16	28.20	28.03	-9.19	19.81	18.97	19.01	18.84
	2 Tx Slots	27.00	26.15	26.15	26.01	-6.13	20.87	20.02	20.02	19.88
	3 Tx Slots	25.00	24.17	24.17	24.02	-4.42	20.58	19.75	19.75	19.60
	4 Tx Slots	23.00	22.22	22.19	22.09	-3.18	19.82	19.04	19.01	18.91
EDGE (GMSK)	1 Tx Slot	29.00	28.15	28.17	28.01	-9.19	19.81	18.96	18.98	18.82
	2 Tx Slots	27.00	26.15	26.15	26.01	-6.13	20.87	20.02	20.02	19.88
	3 Tx Slots	25.00	24.16	24.18	24.03	-4.42	20.58	19.74	19.76	19.61
	4 Tx Slots	23.00	22.22	22.20	22.09	-3.18	19.82	19.04	19.02	18.91
EDGE (8PSK)	1 Tx Slot	24.50	23.29	23.14	23.10	-9.19	15.31	14.10	13.95	13.91
	2 Tx Slots	23.50	23.31	23.27	21.81	-6.13	17.37	17.18	17.14	15.68
	3 Tx Slots	21.50	20.12	21.24	20.39	-4.42	17.08	15.70	16.82	15.97
	4 Tx Slots	20.50	19.78	18.95	18.59	-3.18	17.32	16.60	15.77	15.41

Table 18: Conducted power measurement results of GSM1900(Reduced Power Level D1/D4)

Note:

1) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 timeslots.

2) Per KDB941225 D01, 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.

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7.1.5 Conducted power measurements of UMTS Band II (Second Antenna)

UMTS Band II		Tune-up	Channel	Channel	Channel
		Max.	9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	22.50	**21.68**	**21.55**	**21.45**
	12.2kbps AMR	22.50	21.67	21.52	21.41
HSDPA	Subtest 1	22.00	21.21	21.11	21.01
	Subtest 2	21.50	20.42	20.29	20.16
	Subtest 3	21.00	19.91	19.77	19.67
	Subtest 4	21.00	19.89	19.77	19.66
HSUPA	Subtest 1	22.50	19.78	19.74	19.58
	Subtest 2	20.50	17.65	16.84	16.73
	Subtest 3	21.50	18.49	18.59	17.60
	Subtest 4	20.50	17.43	17.12	16.91
	Subtest 5	22.50	19.67	19.54	19.42
DC-HSDPA	Subtest 1	22.00	21.21	21.08	20.97
	Subtest 2	21.50	20.38	20.33	20.20
	Subtest 3	21.00	19.87	19.80	19.64
	Subtest 4	21.00	19.85	19.77	19.70

Table 19: Conducted power measurement results of UMTS Band II(Full Power)

UMTS Band II		Tune-up	Channel	Channel	Channel
		Max.	9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	16.50	**15.64**	**15.57**	**15.43**
	12.2kbps AMR	16.50	15.68	15.50	15.41
HSDPA	Subtest 1	16.00	15.24	15.12	15.01
	Subtest 2	15.50	14.94	14.72	14.75
	Subtest 3	15.00	14.37	14.15	14.21
	Subtest 4	15.00	14.34	14.14	14.19
HSUPA	Subtest 1	16.50	14.45	14.58	14.47
	Subtest 2	14.50	11.58	11.88	11.78
	Subtest 3	15.50	13.23	12.50	12.67
	Subtest 4	14.50	12.28	12.05	12.01
	Subtest 5	16.50	14.23	14.00	13.89
DC-HSDPA	Subtest 1	16.00	15.24	15.12	15.05
	Subtest 2	15.50	14.94	14.72	14.72
	Subtest 3	15.00	14.33	14.11	14.17
	Subtest 4	15.00	14.38	14.14	14.23

Table 20: Conducted power measurement results of UMTS Band II(Reduced Power Level D1)

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UMTS Band II		Tune-up	Channel	Channel	Channel
		Max.	9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	12.00	11.64	11.76	11.65
	12.2kbps AMR	12.00	11.82	11.86	11.74
HSDPA	Subtest 1	11.50	11.33	11.34	11.19
	Subtest 2	11.00	10.54	10.47	10.41
	Subtest 3	10.50	9.98	9.92	9.80
	Subtest 4	10.50	9.95	9.92	9.78
HSUPA	Subtest 1	12.00	11.31	11.63	11.32
	Subtest 2	10.00	7.61	7.09	6.93
	Subtest 3	11.00	8.33	8.66	7.74
	Subtest 4	10.00	7.25	7.36	7.04
	Subtest 5	12.00	11.53	11.68	11.54
DC-HSDPA	Subtest 1	11.50	11.29	11.38	11.15
	Subtest 2	11.00	10.50	10.44	10.41
	Subtest 3	10.50	9.94	9.88	9.80
	Subtest 4	10.50	9.99	9.96	9.82

Table 21: Conducted power measurement results of UMTS Band II(Reduced Power Level D3)

UMTS Band II		Tune-up	Channel	Channel	Channel
		Max.	9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	18.00	**17.23**	**17.08**	**16.98**
	12.2kbps AMR	18.00	17.21	17.08	16.98
HSDPA	Subtest 1	17.50	16.74	16.61	16.49
	Subtest 2	17.00	15.96	15.79	15.69
	Subtest 3	16.50	15.44	15.28	15.21
	Subtest 4	16.50	15.39	15.34	15.19
HSUPA	Subtest 1	18.00	15.44	15.54	15.38
	Subtest 2	16.00	13.44	12.81	12.82
	Subtest 3	17.00	14.29	14.54	13.69
	Subtest 4	16.00	13.17	13.14	12.90
	Subtest 5	18.00	15.19	15.07	14.95
DC-HSDPA	Subtest 1	17.50	16.74	16.57	16.53
	Subtest 2	17.00	16.00	15.79	15.65
	Subtest 3	16.50	15.40	15.31	15.21
	Subtest 4	16.50	15.39	15.38	15.19

Table 22: Conducted power measurement results of UMTS Band II(Reduced Power Level D2)

Note:

1) The bolded 12.2kbps RMC mode was selected for SAR testing (the primary mode).

2) Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a Second 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 Second to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the Second mode.

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7.1.6 Conducted power measurements of UMTS Band II (Main Antenna)

UMTS Band II		Tune-up	Channel	Channel	Channel
		Max.	9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	25.00	**24.05**	**23.96**	**23.85**
	12.2kbps AMR	25.00	24.09	23.94	23.84
HSDPA	Subtest 1	24.00	23.46	23.45	23.36
	Subtest 2	23.50	22.59	22.65	22.57
	Subtest 3	23.00	22.10	22.14	22.06
	Subtest 4	23.00	22.09	22.13	22.03
HSUPA	Subtest 1	25.00	22.18	22.30	21.86
	Subtest 2	23.00	19.40	19.18	19.92
	Subtest 3	24.00	20.34	19.96	20.68
	Subtest 4	23.00	20.32	20.04	19.24
	Subtest 5	25.00	22.08	21.95	21.85
DC-HSDPA	Subtest 1	24.00	23.50	23.49	23.36
	Subtest 2	23.50	22.63	22.65	22.61
	Subtest 3	23.00	22.10	22.14	22.06
	Subtest 4	23.00	22.13	22.09	22.03

Table 23: Conducted power measurement results of UMTS Band II(Full Power)

UMTS Band II		Tune-up	Channel	Channel	Channel
		Max.	9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	22.50	**21.46**	**21.46**	**21.35**
	12.2kbps AMR	22.50	21.52	21.43	21.32
HSDPA	Subtest 1	21.50	20.91	20.93	20.85
	Subtest 2	21.00	20.06	20.12	20.03
	Subtest 3	20.50	19.58	19.63	19.55
	Subtest 4	20.50	19.54	19.62	19.54
HSUPA	Subtest 1	22.50	19.58	19.20	19.73
	Subtest 2	20.50	17.29	17.04	16.83
	Subtest 3	21.50	18.09	17.84	17.50
	Subtest 4	20.50	17.14	17.73	17.08
	Subtest 5	22.50	19.55	19.45	19.34
DC-HSDPA	Subtest 1	21.50	20.95	20.97	20.81
	Subtest 2	21.00	20.10	20.16	20.07
	Subtest 3	20.50	19.62	19.67	19.55
	Subtest 4	20.50	19.50	19.66	19.57

Table 24: Conducted power measurement results of UMTS Band II(Reduced Power Level D1/D3/D5)

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UMTS Band II		Tune-up	Channel	Channel	Channel
		Max.	9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	20.00	19.01	18.88	18.91
	12.2kbps AMR	20.00	19.05	18.93	18.87
HSDPA	Subtest 1	19.00	18.59	18.43	18.36
	Subtest 2	18.50	17.79	17.65	17.56
	Subtest 3	18.00	17.27	17.14	17.07
	Subtest 4	18.00	17.28	17.16	17.06
HSUPA	Subtest 1	20.00	17.37	17.30	17.22
	Subtest 2	18.00	15.44	14.67	14.77
	Subtest 3	19.00	16.25	15.46	15.34
	Subtest 4	18.00	15.18	15.09	14.81
	Subtest 5	20.00	17.10	16.97	16.87
DC-HSDPA	Subtest 1	19.00	18.55	18.43	18.36
	Subtest 2	18.50	17.79	17.69	17.52
	Subtest 3	18.00	17.23	17.10	17.07
	Subtest 4	18.00	17.28	17.20	17.10

Table 25: Conducted power measurement results of UMTS Band II(Reduced Power Level D4)

Note:

1) The bolded 12.2kbps RMC mode was selected for SAR testing (the primary mode).

2) Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a Second 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 Second to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the Second mode.

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7.1.7 Conducted power measurements of UMTS Band IV (Second Antenna)

UMTS Band IV		Tune-up	Channel	Channel	Channel
		Max.	1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	23.00	**22.15**	**22.03**	**22.06**
	12.2kbps AMR	23.00	22.16	22.08	22.09
HSDPA	Subtest 1	22.50	21.66	21.57	21.55
	Subtest 2	22.00	20.84	20.79	20.80
	Subtest 3	21.50	20.33	20.30	20.28
	Subtest 4	21.50	20.32	20.25	20.28
HSUPA	Subtest 1	23.00	20.00	19.91	20.19
	Subtest 2	21.00	18.10	17.33	17.58
	Subtest 3	22.00	19.19	18.89	18.95
	Subtest 4	21.00	17.71	18.15	18.12
	Subtest 5	23.00	20.15	20.08	20.09
DC-HSDPA	Subtest 1	22.50	21.72	21.65	21.62
	Subtest 2	22.00	20.85	20.86	20.87
	Subtest 3	21.50	20.39	20.36	20.28
	Subtest 4	21.50	20.41	20.34	20.36

Table 26: Conducted power measurement results of UMTS Band IV(Full Power)

UMTS Band IV		Tune-up	Channel	Channel	Channel
		Max.	1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	15.50	**14.65**	**14.54**	**14.53**
	12.2kbps AMR	15.50	14.66	14.57	14.59
HSDPA	Subtest 1	15.00	14.10	14.05	14.07
	Subtest 2	14.50	13.35	13.32	13.29
	Subtest 3	14.00	12.82	12.80	12.76
	Subtest 4	14.00	12.83	12.80	12.80
HSUPA	Subtest 1	15.50	14.39	14.31	14.37
	Subtest 2	13.50	10.48	10.31	10.52
	Subtest 3	14.50	11.28	10.81	11.73
	Subtest 4	13.50	10.04	9.98	9.96
	Subtest 5	15.50	14.67	14.61	14.60
DC-HSDPA	Subtest 1	15.00	14.18	14.12	14.09
	Subtest 2	14.50	13.35	13.39	13.29
	Subtest 3	14.00	12.85	12.86	12.83
	Subtest 4	14.00	12.93	12.88	12.80

Table 27: Conducted power measurement results of UMTS Band IV(Reduced Power Level D1)

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UMTS Band IV		Tune-up	Channel	Channel	Channel
		Max.	1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	12.00	10.66	10.55	10.57
	12.2kbps AMR	12.00	10.69	10.59	10.61
HSDPA	Subtest 1	11.50	10.14	10.04	10.06
	Subtest 2	11.00	9.33	9.28	9.28
	Subtest 3	10.50	8.81	8.79	8.71
	Subtest 4	10.50	8.81	8.79	8.72
HSUPA	Subtest 1	12.00	10.87	10.46	10.62
	Subtest 2	10.00	7.61	6.41	7.63
	Subtest 3	11.00	8.40	7.88	7.91
	Subtest 4	10.00	7.15	6.21	7.03
	Subtest 5	12.00	11.67	10.81	11.59
DC-HSDPA	Subtest 1	11.50	10.14	10.00	10.02
	Subtest 2	11.00	9.30	9.32	9.24
	Subtest 3	10.50	8.81	8.83	8.71
	Subtest 4	10.50	8.78	8.75	8.69

Table 28: Conducted power measurement results of UMTS Band IV(Reduced Power Level D3)

UMTS Band IV		Tune-up	Channel	Channel	Channel
		Max.	1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	19.00	**18.16**	**18.06**	**18.07**
	12.2kbps AMR	19.00	18.15	18.08	18.10
HSDPA	Subtest 1	18.50	17.64	17.57	17.51
	Subtest 2	18.00	16.82	16.80	16.82
	Subtest 3	17.50	16.31	16.28	16.31
	Subtest 4	17.50	16.31	16.32	16.30
HSUPA	Subtest 1	19.00	16.43	16.17	16.19
	Subtest 2	17.00	14.19	13.11	13.36
	Subtest 3	18.00	14.78	14.59	14.59
	Subtest 4	17.00	13.80	13.82	13.76
	Subtest 5	19.00	16.16	16.12	16.11
DC-HSDPA	Subtest 1	18.50	17.64	17.53	17.51
	Subtest 2	18.00	16.82	16.84	16.82
	Subtest 3	17.50	16.27	16.24	16.35
	Subtest 4	17.50	16.27	16.36	16.26

Table 29: Conducted power measurement results of UMTS Band IV(Reduced Power Level D2)

Note:

1) The bolded 12.2kbps RMC mode was selected for SAR testing (the primary mode).

2) Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a Second 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 Second to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the Second mode.

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7.1.8 Conducted power measurements of UMTS Band IV (Main Antenna)

UMTS Band IV		Tune-up	Channel	Channel	Channel
		Max.	1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	25.00	**24.13**	**23.99**	**24.04**
	12.2kbps AMR	25.00	24.10	24.05	24.07
HSDPA	Subtest 1	24.00	23.60	23.50	23.51
	Subtest 2	23.50	22.79	22.67	22.73
	Subtest 3	23.00	22.29	22.21	22.24
	Subtest 4	23.00	22.28	22.23	22.22
HSUPA	Subtest 1	25.00	22.13	21.80	22.48
	Subtest 2	23.00	19.46	19.68	19.60
	Subtest 3	24.00	20.32	20.41	20.57
	Subtest 4	23.00	20.32	19.90	20.19
	Subtest 5	25.00	22.08	21.99	22.04
DC-HSDPA	Subtest 1	24.00	23.60	23.54	23.55
	Subtest 2	23.50	22.75	22.67	22.76
	Subtest 3	23.00	22.25	22.21	22.21
	Subtest 4	23.00	22.31	22.23	22.22

Table 30: Conducted power measurement results of UMTS Band IV(Full Power)

UMTS Band IV		Tune-up	Channel	Channel	Channel
		Max.	1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	22.00	**21.10**	**20.99**	**21.03**
	12.2kbps AMR	22.00	21.04	21.02	21.07
HSDPA	Subtest 1	21.00	20.55	20.48	20.51
	Subtest 2	20.50	19.79	19.69	19.69
	Subtest 3	20.00	19.26	19.20	19.24
	Subtest 4	20.00	19.27	19.21	19.23
HSUPA	Subtest 1	22.00	19.36	19.30	19.23
	Subtest 2	20.00	17.15	16.25	16.87
	Subtest 3	21.00	17.95	16.85	17.86
	Subtest 4	20.00	16.91	16.32	16.33
	Subtest 5	22.00	19.03	18.98	19.00
DC-HSDPA	Subtest 1	21.00	20.59	20.44	20.51
	Subtest 2	20.50	19.82	19.65	19.73
	Subtest 3	20.00	19.22	19.20	19.28
	Subtest 4	20.00	19.23	19.18	19.27

Table 31: Conducted power measurement results of UMTS Band IV(Reduced Power Level D1/D3/D5)

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UMTS Band IV		Tune-up	Channel	Channel	Channel
		Max.	1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	19.00	18.10	18.02	18.04
	12.2kbps AMR	19.00	18.06	18.01	18.09
HSDPA	Subtest 1	18.00	17.58	17.51	17.53
	Subtest 2	17.50	16.77	16.73	16.75
	Subtest 3	17.00	16.27	16.22	16.21
	Subtest 4	17.00	16.26	16.18	16.22
HSUPA	Subtest 1	19.00	16.29	16.15	16.19
	Subtest 2	17.00	13.55	13.12	13.90
	Subtest 3	18.00	14.40	14.50	14.45
	Subtest 4	17.00	13.37	13.25	13.35
	Subtest 5	19.00	16.07	16.03	16.06
DC-HSDPA	Subtest 1	18.00	17.54	17.47	17.57
	Subtest 2	17.50	16.81	16.69	16.71
	Subtest 3	17.00	16.27	16.25	16.17
	Subtest 4	17.00	16.26	16.22	16.22

Table 32: Conducted power measurement results of UMTS Band IV (Reduced Power Level D4)

Note:

1) The bolded 12.2kbps RMC mode was selected for SAR testing (the primary mode).

2) Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a Second 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 Second to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the Second mode.

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7.1.9 Conducted power measurements of UMTS Band V (Second Antenna)

UMTS Band V		Tune-up	Channel	Channel	Channel
		Max.	4132CH	4182CH	4233CH
WCDMA	12.2kbps RMC	24.70	**24.30**	**24.30**	**24.28**
	12.2kbps AMR	24.70	24.29	24.32	24.30
HSDPA	Subtest 1	24.20	23.80	23.81	23.75
	Subtest 2	23.70	23.32	23.30	23.30
	Subtest 3	23.20	22.92	22.92	22.90
	Subtest 4	23.20	22.93	22.89	22.88
HSUPA	Subtest 1	24.70	23.19	23.37	23.37
	Subtest 2	22.70	20.76	20.11	20.18
	Subtest 3	23.70	21.21	21.34	21.22
	Subtest 4	22.70	20.08	20.81	20.67
	Subtest 5	24.70	22.29	22.27	22.25
DC-HSDPA	Subtest 1	24.20	23.86	23.98	23.92
	Subtest 2	23.70	23.12	23.34	23.20
	Subtest 3	23.20	22.99	23.03	23.03
	Subtest 4	23.20	22.93	22.86	22.74

Table 33: Conducted power measurement results of UMTS Band V(Full Power)

UMTS Band V		Tune-up	Channel	Channel	Channel
		Max.	4132CH	4182CH	4233CH
WCDMA	12.2kbps RMC	18.20	**17.76**	**17.80**	**17.81**
	12.2kbps AMR	18.20	17.82	17.80	17.81
HSDPA	Subtest 1	17.70	17.34	17.31	17.28
	Subtest 2	17.20	16.81	16.81	16.80
	Subtest 3	16.70	16.42	16.39	16.41
	Subtest 4	16.70	16.42	16.42	16.38
HSUPA	Subtest 1	18.20	15.48	15.15	16.72
	Subtest 2	16.20	13.01	12.75	12.78
	Subtest 3	17.20	14.39	13.89	13.78
	Subtest 4	16.20	13.26	13.24	13.21
	Subtest 5	18.20	15.28	15.32	15.39
DC-HSDPA	Subtest 1	17.70	17.22	17.14	17.41
	Subtest 2	17.20	16.70	16.74	16.81
	Subtest 3	16.70	16.36	16.48	16.39
	Subtest 4	16.70	16.50	16.54	16.42

Table 34: Conducted power measurement results of UMTS Band V(Reduced Power Level D1)

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UMTS Band V		Tune-up	Channel	Channel	Channel
		Max.	4132CH	4182CH	4233CH
WCDMA	12.2kbps RMC	15.20	14.81	14.80	14.77
	12.2kbps AMR	15.20	14.80	14.78	14.76
HSDPA	Subtest 1	14.70	14.30	14.29	14.22
	Subtest 2	14.20	13.79	13.81	13.79
	Subtest 3	13.70	13.36	13.40	13.42
	Subtest 4	13.70	13.40	13.40	13.37
HSUPA	Subtest 1	15.20	14.30	13.86	13.83
	Subtest 2	13.20	10.23	9.83	9.86
	Subtest 3	14.20	11.62	10.97	10.83
	Subtest 4	13.20	10.48	10.30	10.27
	Subtest 5	15.20	14.28	14.50	14.54
DC-HSDPA	Subtest 1	14.70	14.27	14.30	14.17
	Subtest 2	14.20	13.70	13.80	13.92
	Subtest 3	13.70	13.46	13.40	13.40
	Subtest 4	13.70	13.41	13.39	13.33

Table 35: Conducted power measurement results of UMTS Band V(Reduced Power Level D3)

UMTS Band V		Tune-up	Channel	Channel	Channel
		Max.	4132CH	4182CH	4233CH
WCDMA	12.2kbps RMC	21.70	**21.31**	**21.30**	**21.27**
	12.2kbps AMR	21.70	21.32	21.32	21.28
HSDPA	Subtest 1	21.20	20.83	20.81	20.78
	Subtest 2	20.70	20.32	20.31	20.32
	Subtest 3	20.20	19.92	19.90	19.90
	Subtest 4	20.20	19.95	19.94	19.88
HSUPA	Subtest 1	21.70	20.30	19.82	20.24
	Subtest 2	19.70	17.66	17.36	17.25
	Subtest 3	20.70	18.35	18.59	18.42
	Subtest 4	19.70	18.09	17.97	17.77
	Subtest 5	21.70	19.28	19.29	19.27
DC-HSDPA	Subtest 1	21.20	20.84	20.68	20.73
	Subtest 2	20.70	20.19	20.43	20.30
	Subtest 3	20.20	20.02	19.81	19.82
	Subtest 4	20.20	20.10	19.94	19.69

Table 36: Conducted power measurement results of UMTS Band V(Reduced Power Level D2)

Note:

1) The bolded 12.2kbps RMC mode was selected for SAR testing (the primary mode).

2) Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a Second 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 Second to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the Second mode.

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7.1.10 Conducted power measurements of UMTS Band V (Main Antenna)

UMTS Band V		Tune-up	Channel	Channel	Channel
		Max.	4132CH	4182CH	4233CH
WCDMA	12.2kbps RMC	25.00	**24.40**	**24.39**	**24.34**
	12.2kbps AMR	25.00	24.45	24.37	24.33
HSDPA	Subtest 1	24.50	23.91	23.87	23.80
	Subtest 2	24.00	23.43	23.40	23.36
	Subtest 3	23.50	22.89	22.97	22.98
	Subtest 4	23.50	22.92	22.99	22.96
HSUPA	Subtest 1	25.00	23.47	23.62	23.51
	Subtest 2	23.00	20.41	20.62	20.53
	Subtest 3	24.00	21.27	21.48	21.41
	Subtest 4	23.00	20.32	20.76	20.89
	Subtest 5	25.00	22.40	22.34	22.31
DC-HSDPA	Subtest 1	24.50	23.90	23.86	23.97
	Subtest 2	24.00	23.52	23.45	23.55
	Subtest 3	23.50	22.87	23.12	22.97
	Subtest 4	23.50	22.84	23.19	23.07

Table 37: Conducted power measurement results of UMTS Band V(Full Power)

Note:

1) The bolded 12.2kbps RMC mode was selected for SAR testing (the primary mode).

2) Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a Second 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 Second to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the Second mode.

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7.1.11 Conducted power measurements of LTE Band 2 (Second Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	21.70	20.61	20.58	20.65
		1	3	21.70	20.42	20.64	20.37
		1	5	21.70	20.56	20.65	20.40
		3	0	21.70	20.35	20.57	20.50
		3	2	21.70	20.25	20.44	20.43
		3	3	21.70	20.43	20.55	20.42
		6	0	21.70	20.45	20.60	20.46
	16QAM	1	0	21.70	20.54	20.66	20.30
		1	3	21.70	20.63	20.73	20.61
		1	5	21.70	20.56	20.72	20.64
		3	0	21.70	20.45	20.46	20.43
		3	2	21.70	20.59	20.59	20.41
		3	3	21.70	20.50	20.65	20.42
		6	0	21.70	20.11	20.46	20.31
	64QAM	1	0	21.70	20.51	20.60	20.43
		1	3	21.70	20.58	20.67	20.45
		1	5	21.70	20.42	20.66	20.53
		3	0	21.70	20.45	20.47	20.66
		3	2	21.70	20.42	20.64	20.51
		3	3	21.70	20.58	20.49	20.30
		6	0	20.70	19.47	19.46	19.57
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18615CH	18900CH	19185CH
3MHz	QPSK	1	0	21.70	20.55	20.61	20.62
		1	7	21.70	20.58	20.62	20.66
		1	14	21.70	20.57	20.40	20.64
		8	0	21.70	20.46	20.61	20.54
		8	4	21.70	20.51	20.58	20.44
		8	7	21.70	20.53	20.62	20.54
		15	0	21.70	20.45	20.41	20.45
	16QAM	1	0	21.70	20.69	20.60	20.90
		1	7	21.70	20.73	20.51	20.86
		1	14	21.70	20.84	20.66	20.89
		8	0	21.70	20.39	20.46	20.42
		8	4	21.70	20.43	20.55	20.55
		8	7	21.70	20.34	20.43	20.46
		15	0	21.70	20.34	20.47	20.28
	64QAM	1	0	21.70	20.67	20.73	20.78
		1	7	21.70	20.45	20.63	20.59
		1	14	21.70	20.59	20.63	20.72
		8	0	20.70	19.39	19.45	19.63
		8	4	20.70	19.36	19.57	19.53
		8	7	20.70	19.35	19.50	19.50
		15	0	20.70	19.39	19.40	19.40

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18625CH	18900CH	19175CH
5MHz	QPSK	1	0	21.70	20.56	20.55	20.47
		1	13	21.70	20.59	20.52	20.48
		1	24	21.70	20.61	20.57	20.50
		12	0	21.70	20.59	20.49	20.48
		12	6	21.70	20.58	20.49	20.49
		12	13	21.70	20.59	20.62	20.49
		25	0	21.70	20.61	20.47	20.42
	16QAM	1	0	21.70	20.54	20.67	20.63
		1	13	21.70	20.78	20.79	20.63
		1	24	21.70	20.82	20.63	20.60
		12	0	21.70	20.44	20.58	20.37
		12	6	21.70	20.47	20.58	20.38
		12	13	21.70	20.39	20.45	20.40
		25	0	21.70	20.38	20.41	20.34
	64QAM	1	0	21.70	20.59	20.48	20.53
		1	13	21.70	20.53	20.51	20.49
		1	24	21.70	20.50	20.54	20.39
		12	0	20.70	19.53	19.52	19.45
		12	6	20.70	19.47	19.60	19.39
		12	13	20.70	19.47	19.56	19.37
		25	0	20.70	19.43	19.44	19.45
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18650CH	18900CH	19150CH
10MHz	QPSK	1	0	21.70	20.58	20.41	20.54
		1	25	21.70	20.63	20.42	20.51
		1	49	21.70	20.63	20.40	20.52
		25	0	21.70	20.63	20.57	20.46
		25	13	21.70	20.60	20.57	20.48
		25	25	21.70	20.61	20.56	20.48
		50	0	21.70	20.51	20.48	20.60
	16QAM	1	0	21.70	20.53	20.39	20.65
		1	25	21.70	20.62	20.47	20.62
		1	49	21.70	20.71	20.37	20.57
		25	0	21.70	20.44	20.40	20.40
		25	13	21.70	20.42	20.40	20.40
		25	25	21.70	20.48	20.42	20.39
		50	0	21.70	20.36	20.37	20.28
	64QAM	1	0	21.70	20.57	20.48	20.48
		1	25	21.70	20.59	20.46	20.52
		1	49	21.70	20.53	20.37	20.53
		25	0	20.70	19.50	19.43	19.40
		25	13	20.70	19.47	19.45	19.42
		25	25	20.70	19.49	19.47	19.45
		50	0	20.70	19.38	19.38	19.57

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18675CH	18900CH	19125CH
15MHz	QPSK	1	0	21.70	20.64	20.52	20.61
		1	38	21.70	20.64	20.43	20.66
		1	74	21.70	20.51	20.47	20.62
		36	0	21.70	20.55	20.51	20.52
		36	18	21.70	20.55	20.51	20.52
		36	39	21.70	20.55	20.51	20.51
		75	0	21.70	20.43	20.59	20.49
	16QAM	1	0	21.70	20.56	20.42	20.44
		1	38	21.70	20.76	20.56	20.65
		1	74	21.70	20.85	20.72	20.63
		36	0	21.70	20.44	20.43	20.56
		36	18	21.70	20.44	20.38	20.42
		36	39	21.70	20.45	20.37	20.41
		75	0	21.70	20.47	20.42	20.41
	64QAM	1	0	21.70	20.47	20.41	20.61
		1	38	21.70	20.53	20.49	20.64
		1	74	21.70	20.50	20.29	20.56
		36	0	20.70	19.44	19.44	19.43
		36	18	20.70	19.46	19.43	19.41
		36	39	20.70	19.48	19.45	19.41
		75	0	20.70	19.57	19.46	19.44
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18700CH	18900CH	19100CH
20MHz	QPSK	1	0	21.70	20.32	20.34	20.33
		1	50	21.70	20.19	20.11	20.13
		1	99	21.70	**20.36**	20.18	20.12
		50	0	21.70	**20.64**	**20.58**	**20.55**
		50	25	21.70	20.40	20.56	20.51
		50	50	21.70	20.56	20.57	20.51
		100	0	21.70	20.60	20.41	20.64
	16QAM	1	0	21.70	20.36	20.38	20.46
		1	50	21.70	20.46	20.37	20.50
		1	99	21.70	20.26	20.46	20.38
		50	0	21.70	20.59	20.53	20.43
		50	25	21.70	20.61	20.52	20.42
		50	50	21.70	20.60	20.53	20.44
		100	0	21.70	20.60	20.56	20.58
	64QAM	1	0	21.70	20.27	20.35	20.41
		1	50	21.70	20.27	20.49	20.56
		1	99	21.70	20.37	20.25	20.35
		50	0	20.70	19.64	19.59	19.43
		50	25	20.70	19.64	19.58	19.42
		50	50	20.70	19.63	19.59	19.47
		100	0	20.70	19.60	19.58	19.59

Table 38: Conducted power measurement results of LTE Band 2(Full Power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	16.70	15.49	15.52	15.50
		1	3	16.70	15.48	15.50	15.51
		1	5	16.70	15.46	15.52	15.58
		3	0	16.70	15.35	15.37	15.52
		3	2	16.70	15.46	15.35	15.49
		3	3	16.70	15.41	15.32	15.47
		6	0	16.70	15.34	15.44	15.44
	16QAM	1	0	16.70	15.59	15.71	15.63
		1	3	16.70	15.51	15.34	15.56
		1	5	16.70	15.49	15.52	15.54
		3	0	16.70	15.54	15.47	15.28
		3	2	16.70	15.47	15.56	15.60
		3	3	16.70	15.52	15.35	15.52
		6	0	16.70	15.40	15.57	15.31
	64QAM	1	0	16.70	15.32	15.75	15.61
		1	3	16.70	15.44	15.64	15.50
		1	5	16.70	15.56	15.43	15.52
		3	0	16.70	15.35	15.55	15.58
		3	2	16.70	15.54	15.53	15.59
		3	3	16.70	15.37	15.58	15.54
		6	0	16.70	15.34	15.46	15.55
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18615CH	18900CH	19185CH
3MHz	QPSK	1	0	16.70	15.50	15.61	15.57
		1	7	16.70	15.44	15.60	15.56
		1	14	16.70	15.51	15.58	15.59
		8	0	16.70	15.38	15.41	15.53
		8	4	16.70	15.36	15.45	15.50
		8	7	16.70	15.37	15.53	15.53
		15	0	16.70	15.43	15.52	15.46
	16QAM	1	0	16.70	15.64	15.73	15.68
		1	7	16.70	15.68	15.69	15.76
		1	14	16.70	15.85	15.56	15.77
		8	0	16.70	15.38	15.43	15.43
		8	4	16.70	15.45	15.50	15.41
		8	7	16.70	15.39	15.50	15.36
		15	0	16.70	15.41	15.41	15.44
	64QAM	1	0	16.70	15.50	15.43	15.54
		1	7	16.70	15.56	15.57	15.38
		1	14	16.70	15.55	15.52	15.65
		8	0	16.70	15.51	15.53	15.43
		8	4	16.70	15.52	15.41	15.53
		8	7	16.70	15.41	15.45	15.55
		15	0	16.70	15.54	15.50	15.47

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18625CH	18900CH	19175CH
5MHz	QPSK	1	0	16.70	15.49	15.45	15.60
		1	13	16.70	15.48	15.45	15.64
		1	24	16.70	15.51	15.43	15.62
		12	0	16.70	15.45	15.51	15.52
		12	6	16.70	15.50	15.50	15.50
		12	13	16.70	15.50	15.51	15.49
		25	0	16.70	15.46	15.47	15.44
	16QAM	1	0	16.70	15.75	15.84	15.73
		1	13	16.70	15.55	15.46	15.59
		1	24	16.70	15.59	15.56	15.64
		12	0	16.70	15.48	15.45	15.43
		12	6	16.70	15.48	15.51	15.45
		12	13	16.70	15.44	15.47	15.43
		25	0	16.70	15.56	15.53	15.43
	64QAM	1	0	16.70	15.74	15.65	15.81
		1	13	16.70	15.55	15.57	15.69
		1	24	16.70	15.61	15.65	15.61
		12	0	16.70	15.47	15.43	15.46
		12	6	16.70	15.42	15.46	15.49
		12	13	16.70	15.42	15.45	15.43
		25	0	16.70	15.36	15.50	15.39
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18650CH	18900CH	19150CH
10MHz	QPSK	1	0	16.70	15.62	15.44	15.56
		1	25	16.70	15.61	15.44	15.58
		1	49	16.70	15.59	15.51	15.58
		25	0	16.70	15.61	15.41	15.47
		25	13	16.70	15.59	15.44	15.49
		25	25	16.70	15.59	15.46	15.48
		50	0	16.70	15.56	15.47	15.43
	16QAM	1	0	16.70	15.75	15.65	15.56
		1	25	16.70	15.55	15.56	15.74
		1	49	16.70	15.72	15.62	15.61
		25	0	16.70	15.61	15.39	15.39
		25	13	16.70	15.49	15.40	15.39
		25	25	16.70	15.52	15.45	15.38
		50	0	16.70	15.44	15.46	15.34
	64QAM	1	0	16.70	15.71	15.55	15.74
		1	25	16.70	15.59	15.63	15.59
		1	49	16.70	15.68	15.49	15.78
		25	0	16.70	15.44	15.37	15.34
		25	13	16.70	15.46	15.41	15.33
		25	25	16.70	15.47	15.39	15.49
		50	0	16.70	15.42	15.40	15.42

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18675CH	18900CH	19125CH
15MHz	QPSK	1	0	16.70	15.55	15.50	15.64
		1	38	16.70	15.57	15.46	15.64
		1	74	16.70	15.58	15.49	15.63
		36	0	16.70	15.54	15.50	15.49
		36	18	16.70	15.56	15.50	15.50
		36	39	16.70	15.54	15.50	15.49
		75	0	16.70	15.50	15.51	15.48
	16QAM	1	0	16.70	15.58	15.64	15.53
		1	38	16.70	15.40	15.53	15.69
		1	74	16.70	15.64	15.60	15.61
		36	0	16.70	15.57	15.45	15.43
		36	18	16.70	15.55	15.45	15.47
		36	39	16.70	15.57	15.47	15.45
		75	0	16.70	15.48	15.38	15.38
	64QAM	1	0	16.70	15.70	15.66	15.76
		1	38	16.70	15.67	15.63	15.54
		1	74	16.70	15.63	15.59	15.55
		36	0	16.70	15.45	15.49	15.44
		36	18	16.70	15.46	15.49	15.42
		36	39	16.70	15.54	15.49	15.48
		75	0	16.70	15.50	15.40	15.43
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18700CH	18900CH	19100CH
20MHz	QPSK	1	0	16.70	15.31	15.18	15.22
		1	50	16.70	15.20	15.22	15.19
		1	99	16.70	15.19	15.28	**15.37**
		50	0	16.70	**15.57**	15.42	15.59
		50	25	16.70	15.53	15.40	15.36
		50	50	16.70	15.50	**15.60**	**15.63**
		100	0	16.70	15.50	15.52	15.65
	16QAM	1	0	16.70	15.52	15.32	15.21
		1	50	16.70	15.56	15.46	15.15
		1	99	16.70	15.44	15.40	15.26
		50	0	16.70	15.59	15.40	15.44
		50	25	16.70	15.62	15.40	15.33
		50	50	16.70	15.61	15.40	15.31
		100	0	16.70	15.40	15.40	15.51
	64QAM	1	0	16.70	15.50	15.31	15.50
		1	50	16.70	15.43	15.32	15.33
		1	99	16.70	15.44	15.35	15.28
		50	0	16.70	15.36	15.44	15.47
		50	25	16.70	15.44	15.44	15.47
		50	50	16.70	15.39	15.41	15.44
		100	0	16.70	15.41	15.44	15.43

Table 39: Conducted power measurement results of LTE Band 2(Reduced Power Level D1)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	12.70	11.64	11.61	11.53
		1	3	12.70	11.60	11.61	11.53
		1	5	12.70	11.61	11.60	11.51
		3	0	12.70	11.58	11.46	11.54
		3	2	12.70	11.53	11.60	11.44
		3	3	12.70	11.54	11.49	11.41
		6	0	12.70	11.49	11.61	11.48
	16QAM	1	0	12.70	11.75	11.56	11.54
		1	3	12.70	11.68	11.74	11.67
		1	5	12.70	11.68	11.73	11.69
		3	0	12.70	11.55	11.55	11.52
		3	2	12.70	11.57	11.50	11.52
		3	3	12.70	11.56	11.59	11.52
		6	0	12.70	11.44	11.42	11.28
	64QAM	1	0	12.70	11.62	11.49	11.74
		1	3	12.70	11.77	11.53	11.73
		1	5	12.70	11.63	11.58	11.71
		3	0	12.70	11.48	11.45	11.44
		3	2	12.70	11.54	11.53	11.39
		3	3	12.70	11.59	11.56	11.52
		6	0	12.70	11.41	11.44	11.60
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18615CH	18900CH	19185CH
3MHz	QPSK	1	0	12.70	11.60	11.65	11.51
		1	7	12.70	11.61	11.63	11.49
		1	14	12.70	11.63	11.66	11.52
		8	0	12.70	11.55	11.56	11.50
		8	4	12.70	11.54	11.59	11.44
		8	7	12.70	11.54	11.59	11.50
		15	0	12.70	11.49	11.53	11.49
	16QAM	1	0	12.70	11.66	11.69	11.55
		1	7	12.70	11.54	11.74	11.71
		1	14	12.70	11.62	11.69	11.55
		8	0	12.70	11.45	11.51	11.51
		8	4	12.70	11.55	11.53	11.61
		8	7	12.70	11.52	11.46	11.57
		15	0	12.70	11.41	11.43	11.58
	64QAM	1	0	12.70	11.83	11.59	11.61
		1	7	12.70	11.67	11.63	11.71
		1	14	12.70	11.55	11.57	11.58
		8	0	12.70	11.54	11.42	11.59
		8	4	12.70	11.46	11.44	11.56
		8	7	12.70	11.47	11.48	11.44
		15	0	12.70	11.44	11.47	11.55

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18625CH	18900CH	19175CH
5MHz	QPSK	1	0	12.70	11.45	11.60	11.68
		1	13	12.70	11.51	11.62	11.46
		1	24	12.70	11.45	11.63	11.49
		12	0	12.70	11.61	11.57	11.53
		12	6	12.70	11.60	11.57	11.53
		12	13	12.70	11.61	11.58	11.53
		25	0	12.70	11.58	11.55	11.46
	16QAM	1	0	12.70	11.78	11.69	11.61
		1	13	12.70	11.66	11.84	11.68
		1	24	12.70	11.78	11.81	11.83
		12	0	12.70	11.49	11.53	11.46
		12	6	12.70	11.55	11.49	11.48
		12	13	12.70	11.50	11.45	11.47
		25	0	12.70	11.50	11.45	11.57
	64QAM	1	0	12.70	11.58	11.71	11.71
		1	13	12.70	11.59	11.65	11.78
		1	24	12.70	11.60	11.57	11.74
		12	0	12.70	11.53	11.46	11.49
		12	6	12.70	11.50	11.57	11.53
		12	13	12.70	11.54	11.50	11.54
		25	0	12.70	11.49	11.52	11.59
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18650CH	18900CH	19150CH
10MHz	QPSK	1	0	12.70	11.50	11.57	11.44
		1	25	12.70	11.53	11.53	11.44
		1	49	12.70	11.51	11.54	11.52
		25	0	12.70	11.52	11.60	11.46
		25	13	12.70	11.50	11.60	11.46
		25	25	12.70	11.52	11.63	11.65
		50	0	12.70	11.65	11.50	11.45
	16QAM	1	0	12.70	11.68	11.67	11.60
		1	25	12.70	11.69	11.61	11.50
		1	49	12.70	11.70	11.70	11.60
		25	0	12.70	11.46	11.48	11.42
		25	13	12.70	11.43	11.48	11.41
		25	25	12.70	11.44	11.45	11.37
		50	0	12.70	11.38	11.44	11.39
	64QAM	1	0	12.70	11.61	11.58	11.85
		1	25	12.70	11.71	11.71	11.64
		1	49	12.70	11.81	11.62	11.72
		25	0	12.70	11.61	11.50	11.46
		25	13	12.70	11.61	11.59	11.45
		25	25	12.70	11.60	11.49	11.41
		50	0	12.70	11.48	11.46	11.42

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18675CH	18900CH	19125CH
15MHz	QPSK	1	0	12.70	11.55	11.61	11.67
		1	38	12.70	11.52	11.62	11.70
		1	74	12.70	11.52	11.51	11.65
		36	0	12.70	11.58	11.66	11.70
		36	18	12.70	11.55	11.67	11.63
		36	39	12.70	11.55	11.67	11.70
		75	0	12.70	11.49	11.52	11.62
	16QAM	1	0	12.70	11.51	11.62	11.55
		1	38	12.70	11.81	11.83	11.75
		1	74	12.70	11.75	11.53	11.59
		36	0	12.70	11.43	11.55	11.59
		36	18	12.70	11.48	11.56	11.63
		36	39	12.70	11.50	11.56	11.60
		75	0	12.70	11.45	11.46	11.55
	64QAM	1	0	12.70	11.75	11.60	11.73
		1	38	12.70	11.74	11.41	11.76
		1	74	12.70	11.73	11.31	11.48
		36	0	12.70	11.58	11.61	11.63
		36	18	12.70	11.55	11.57	11.64
		36	39	12.70	11.63	11.59	11.64
		75	0	12.70	11.59	11.48	11.62
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18700CH	18900CH	19100CH
20MHz	QPSK	1	0	12.70	11.32	11.32	11.39
		1	50	12.70	11.29	11.30	11.37
		1	99	12.70	11.31	11.34	11.38
		50	0	12.70	11.60	11.54	11.64
		50	25	12.70	11.71	11.61	11.63
		50	50	12.70	11.60	11.68	11.64
		100	0	12.70	11.56	11.67	11.50
	16QAM	1	0	12.70	11.43	11.26	11.59
		1	50	12.70	11.53	11.36	11.28
		1	99	12.70	11.42	11.55	11.59
		50	0	12.70	11.50	11.60	11.44
		50	25	12.70	11.52	11.60	11.46
		50	50	12.70	11.50	11.63	11.44
		100	0	12.70	11.51	11.43	11.47
	64QAM	1	0	12.70	11.36	11.33	11.62
		1	50	12.70	11.33	11.19	11.41
		1	99	12.70	11.38	11.52	11.35
		50	0	12.70	11.51	11.61	11.46
		50	25	12.70	11.50	11.62	11.45
		50	50	12.70	11.55	11.64	11.47
		100	0	12.70	11.44	11.44	11.51

Table 40: Conducted power measurement results of LTE Band 2(Reduced Power Level D3)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 18607CH	Channel 18900CH	Channel 19193CH
1.4MHz	QPSK	1	0	17.70	16.47	16.45	16.63
		1	3	17.70	16.47	16.47	16.59
		1	5	17.70	16.48	16.49	16.62
		3	0	17.70	16.39	16.46	16.45
		3	2	17.70	16.35	16.47	16.43
		3	3	17.70	16.43	16.41	16.47
		6	0	17.70	16.40	16.44	16.37
	16QAM	1	0	17.70	16.54	16.47	16.39
		1	3	17.70	16.39	16.57	16.72
		1	5	17.70	16.59	16.47	16.67
		3	0	17.70	16.38	16.50	16.41
		3	2	17.70	16.37	16.44	16.58
		3	3	17.70	16.40	16.48	16.60
		6	0	17.70	16.19	16.34	16.41
	64QAM	1	0	17.70	16.35	16.67	16.56
		1	3	17.70	16.60	16.59	16.61
		1	5	17.70	16.38	16.49	16.63
		3	0	17.70	16.18	16.39	16.44
		3	2	17.70	16.37	16.45	16.56
		3	3	17.70	16.35	16.41	16.57
		6	0	17.70	16.53	16.46	16.56
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 18615CH	Channel 18900CH	Channel 19185CH
3MHz	QPSK	1	0	17.70	16.47	16.59	16.56
		1	7	17.70	16.43	16.54	16.56
		1	14	17.70	16.39	16.57	16.56
		8	0	17.70	16.43	16.47	16.44
		8	4	17.70	16.42	16.41	16.41
		8	7	17.70	16.43	16.38	16.48
		15	0	17.70	16.41	16.45	16.61
	16QAM	1	0	17.70	16.57	16.58	16.80
		1	7	17.70	16.52	16.49	16.41
		1	14	17.70	16.71	16.63	16.47
		8	0	17.70	16.32	16.38	16.58
		8	4	17.70	16.32	16.52	16.56
		8	7	17.70	16.34	16.39	16.54
		15	0	17.70	16.29	16.33	16.34
	64QAM	1	0	17.70	16.56	16.63	16.66
		1	7	17.70	16.46	16.57	16.66
		1	14	17.70	16.65	16.67	16.70
		8	0	17.70	16.31	16.53	16.50
		8	4	17.70	16.28	16.37	16.48
		8	7	17.70	16.38	16.42	16.51
		15	0	17.70	16.40	16.54	16.50

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18625CH	18900CH	19175CH
5MHz	QPSK	1	0	17.70	16.57	16.40	16.45
		1	13	17.70	16.57	16.41	16.43
		1	24	17.70	16.56	16.43	16.42
		12	0	17.70	16.55	16.51	16.50
		12	6	17.70	16.55	16.50	16.49
		12	13	17.70	16.46	16.44	16.49
		25	0	17.70	16.56	16.46	16.42
	16QAM	1	0	17.70	16.53	16.54	16.62
		1	13	17.70	16.64	16.62	16.58
		1	24	17.70	16.60	16.71	16.77
		12	0	17.70	16.47	16.41	16.47
		12	6	17.70	16.39	16.44	16.43
		12	13	17.70	16.40	16.43	16.40
		25	0	17.70	16.40	16.38	16.37
	64QAM	1	0	17.70	16.50	16.44	16.51
		1	13	17.70	16.83	16.65	16.50
		1	24	17.70	16.69	16.77	16.67
		12	0	17.70	16.50	16.42	16.55
		12	6	17.70	16.39	16.41	16.60
		12	13	17.70	16.45	16.39	16.56
		25	0	17.70	16.37	16.45	16.36
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18650CH	18900CH	19150CH
10MHz	QPSK	1	0	17.70	16.61	16.53	16.57
		1	25	17.70	16.63	16.44	16.57
		1	49	17.70	16.62	16.56	16.53
		25	0	17.70	16.59	16.40	16.61
		25	13	17.70	16.59	16.43	16.55
		25	25	17.70	16.57	16.39	16.55
		50	0	17.70	16.47	16.43	16.46
	16QAM	1	0	17.70	16.41	16.70	16.59
		1	25	17.70	16.66	16.60	16.64
		1	49	17.70	16.75	16.55	16.50
		25	0	17.70	16.50	16.34	16.36
		25	13	17.70	16.50	16.40	16.46
		25	25	17.70	16.44	16.41	16.36
		50	0	17.70	16.35	16.35	16.35
	64QAM	1	0	17.70	16.61	16.54	16.54
		1	25	17.70	16.72	16.76	16.49
		1	49	17.70	16.70	16.52	16.67
		25	0	17.70	16.44	16.39	16.54
		25	13	17.70	16.46	16.33	16.43
		25	25	17.70	16.45	16.40	16.43
		50	0	17.70	16.38	16.43	16.40

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18675CH	18900CH	19125CH
15MHz	QPSK	1	0	17.70	16.58	16.59	16.66
		1	38	17.70	16.56	16.57	16.61
		1	74	17.70	16.59	16.58	16.68
		36	0	17.70	16.50	16.47	16.59
		36	18	17.70	16.50	16.45	16.59
		36	39	17.70	16.52	16.45	16.48
		75	0	17.70	16.60	16.52	16.47
	16QAM	1	0	17.70	16.58	16.69	16.69
		1	38	17.70	16.63	16.55	16.68
		1	74	17.70	16.58	16.63	16.58
		36	0	17.70	16.42	16.44	16.39
		36	18	17.70	16.49	16.39	16.41
		36	39	17.70	16.43	16.46	16.39
		75	0	17.70	16.37	16.44	16.38
	64QAM	1	0	17.70	16.90	16.50	16.75
		1	38	17.70	16.58	16.45	16.57
		1	74	17.70	16.71	16.44	16.46
		36	0	17.70	16.59	16.62	16.43
		36	18	17.70	16.56	16.57	16.47
		36	39	17.70	16.59	16.62	16.50
		75	0	17.70	16.42	16.51	16.44
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18700CH	18900CH	19100CH
20MHz	QPSK	1	0	17.70	16.39	16.23	16.30
		1	50	17.70	16.40	16.39	16.30
		1	99	17.70	16.38	**16.40**	16.31
		50	0	17.70	16.67	**16.54**	16.58
		50	25	17.70	**16.68**	16.53	16.59
		50	50	17.70	16.67	16.53	**16.59**
		100	0	17.70	16.56	16.45	16.48
	16QAM	1	0	17.70	16.40	16.41	16.36
		1	50	17.70	16.40	16.59	16.52
		1	99	17.70	16.36	16.33	16.42
		50	0	17.70	16.55	16.39	16.45
		50	25	17.70	16.57	16.47	16.51
		50	50	17.70	16.58	16.40	16.43
		100	0	17.70	16.40	16.42	16.48
	64QAM	1	0	17.70	16.55	16.34	16.45
		1	50	17.70	16.50	16.44	16.33
		1	99	17.70	16.38	16.49	16.43
		50	0	17.70	16.62	16.44	16.45
		50	25	17.70	16.48	16.42	16.48
		50	50	17.70	16.46	16.42	16.48
		100	0	17.70	16.47	16.37	16.50

Table 41: Conducted power measurement results of LTE Band 2(Reduced Power Level D2)

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7.1.12 Conducted power measurements of LTE Band 2 (Main Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	24.70	23.29	23.37	23.32
		1	3	24.70	22.30	23.41	23.25
		1	5	24.70	23.29	23.38	23.27
		3	0	24.70	23.26	23.33	23.28
		3	2	24.70	23.22	23.33	23.54
		3	3	24.70	23.26	23.44	23.39
		6	0	23.70	22.45	22.34	22.24
	16QAM	1	0	23.70	22.22	22.35	22.37
		1	3	23.70	22.37	22.48	22.42
		1	5	23.70	22.49	22.37	22.33
		3	0	23.70	22.27	22.50	22.23
		3	2	23.70	22.13	22.51	22.27
		3	3	23.70	22.25	22.35	22.25
		6	0	23.70	21.37	21.43	21.21
	64QAM	1	0	23.70	21.34	21.45	21.46
		1	3	23.70	21.40	21.32	21.37
		1	5	23.70	21.50	21.68	21.38
		3	0	23.70	21.36	21.39	21.22
		3	2	23.70	21.37	21.26	21.34
		3	3	23.70	21.45	21.33	21.40
		6	0	21.70	20.27	20.49	20.26
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18615CH	18900CH	19185CH
3MHz	QPSK	1	0	24.70	23.28	23.34	23.34
		1	7	24.70	23.34	23.38	23.39
		1	14	24.70	23.24	23.34	23.36
		8	0	23.70	22.26	22.38	22.35
		8	4	23.70	22.43	22.45	22.34
		8	7	23.70	22.27	22.41	22.28
		15	0	23.70	22.31	22.53	22.35
	16QAM	1	0	23.70	22.44	22.49	22.32
		1	7	23.70	22.40	22.45	22.58
		1	14	23.70	22.48	22.43	22.45
		8	0	22.70	21.31	21.39	21.30
		8	4	22.70	21.32	21.33	21.40
		8	7	22.70	21.25	21.30	21.32
		15	0	22.70	21.28	21.30	21.28
	64QAM	1	0	22.70	21.30	21.42	21.37
		1	7	22.70	21.24	21.48	21.33
		1	14	22.70	21.42	21.26	21.62
		8	0	21.70	20.34	20.40	20.42
		8	4	21.70	20.43	20.38	20.33
		8	7	21.70	20.38	20.39	20.27
		15	0	21.70	20.32	20.34	20.25

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 18625CH	Channel 18900CH	Channel 19175CH
5MHz	QPSK	1	0	24.70	23.33	23.51	23.52
		1	13	24.70	23.33	23.31	23.30
		1	24	24.70	23.32	23.49	23.29
		12	0	23.70	22.36	22.37	22.40
		12	6	23.70	22.38	22.52	22.43
		12	13	23.70	22.35	22.42	22.43
		25	0	23.70	22.38	22.46	22.36
	16QAM	1	0	23.70	22.54	22.32	22.68
		1	13	23.70	22.38	22.56	22.74
		1	24	23.70	22.47	22.49	22.80
		12	0	22.70	21.32	21.39	21.45
		12	6	22.70	21.31	21.48	21.44
		12	13	22.70	21.37	21.39	21.43
		25	0	22.70	21.32	21.43	21.28
	64QAM	1	0	22.70	21.33	21.69	21.72
		1	13	22.70	21.57	21.45	21.52
		1	24	22.70	21.27	21.62	21.77
		12	0	21.70	20.37	20.50	20.41
		12	6	21.70	20.39	20.52	20.45
		12	13	21.70	20.36	20.32	20.45
		25	0	21.70	20.37	20.33	20.30
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 18650CH	Channel 18900CH	Channel 19150CH
10MHz	QPSK	1	0	24.70	23.33	23.27	23.42
		1	25	24.70	23.36	23.48	23.42
		1	49	24.70	23.32	23.41	23.38
		25	0	23.70	22.43	22.40	22.51
		25	13	23.70	22.43	22.36	22.51
		25	25	23.70	22.43	22.36	22.40
		50	0	23.70	22.35	22.37	22.48
	16QAM	1	0	23.70	22.40	22.44	22.53
		1	25	23.70	22.38	22.44	22.54
		1	49	23.70	22.41	22.30	22.47
		25	0	22.70	21.35	21.34	21.27
		25	13	22.70	21.35	21.28	21.40
		25	25	22.70	21.34	21.27	21.38
		50	0	22.70	21.25	21.31	21.38
	64QAM	1	0	22.70	21.47	21.38	21.41
		1	25	22.70	21.41	21.71	21.51
		1	49	22.70	21.32	21.51	21.62
		25	0	21.70	20.40	20.43	20.47
		25	13	21.70	20.45	20.42	20.49
		25	25	21.70	20.43	20.42	20.46
		50	0	21.70	20.28	20.31	20.35

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18675CH	18900CH	19125CH
15MHz	QPSK	1	0	24.70	23.29	23.48	23.40
		1	38	24.70	23.66	23.49	23.41
		1	74	24.70	23.37	23.48	23.42
		36	0	23.70	22.41	22.32	22.38
		36	18	23.70	22.41	22.31	22.34
		36	39	23.70	22.40	22.31	22.40
		75	0	23.70	22.53	22.39	22.28
	16QAM	1	0	23.70	22.41	22.69	22.63
		1	38	23.70	22.53	22.53	22.52
		1	74	23.70	22.66	22.57	22.51
		36	0	22.70	21.35	21.27	21.29
		36	18	22.70	21.32	21.29	21.30
		36	39	22.70	21.35	21.27	21.33
		75	0	22.70	21.42	21.33	21.20
	64QAM	1	0	22.70	21.60	21.56	21.56
		1	38	22.70	21.44	21.60	21.56
		1	74	22.70	21.46	21.09	21.60
		36	0	21.70	20.36	20.35	20.34
		36	18	21.70	20.38	20.30	20.30
		36	39	21.70	20.41	20.34	20.35
		75	0	21.70	20.46	20.39	20.26
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18700CH	18900CH	19100CH
20MHz	QPSK	1	0	24.70	**23.23**	23.20	**23.16**
		1	50	24.70	23.03	**23.22**	23.14
		1	99	24.70	23.22	23.21	23.16
		50	0	23.70	22.40	22.40	22.37
		50	25	23.70	**22.56**	22.40	22.37
		50	50	23.70	22.56	22.39	22.38
		100	0	23.70	22.51	22.40	22.39
	16QAM	1	0	23.70	22.19	22.44	22.25
		1	50	23.70	22.24	22.27	22.43
		1	99	23.70	22.18	22.36	22.31
		50	0	22.70	21.34	21.32	21.30
		50	25	22.70	21.51	21.32	21.30
		50	50	22.70	21.36	21.35	21.27
		100	0	22.70	21.51	21.38	21.36
	64QAM	1	0	22.70	21.17	21.41	21.28
		1	50	22.70	21.05	21.32	21.26
		1	99	22.70	21.16	21.22	21.20
		50	0	21.70	20.51	20.36	20.32
		50	25	21.70	20.38	20.35	20.31
		50	50	21.70	20.38	20.40	20.32
		100	0	21.70	20.52	20.43	20.43

Table 42: Conducted power measurement results of LTE Band 2(Full power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	22.70	21.49	21.52	21.38
		1	3	22.70	21.48	21.45	21.39
		1	5	22.70	21.50	21.51	21.59
		3	0	22.70	21.38	21.50	21.25
		3	2	22.70	21.45	21.40	21.25
		3	3	22.70	21.41	21.18	21.36
		6	0	22.70	21.33	21.49	21.28
	16QAM	1	0	22.70	21.49	21.61	21.69
		1	3	22.70	21.52	21.40	21.72
		1	5	22.70	21.69	21.45	21.70
		3	0	22.70	21.18	21.39	21.55
		3	2	22.70	21.19	21.41	21.21
		3	3	22.70	21.50	21.51	21.29
		6	0	22.70	21.23	21.40	21.21
	64QAM	1	0	22.70	21.48	21.58	21.20
		1	3	22.70	21.34	21.42	21.09
		1	5	22.70	21.30	21.45	21.48
		3	0	22.70	21.39	21.36	21.28
		3	2	22.70	21.33	21.42	21.26
		3	3	22.70	21.38	21.47	21.24
		6	0	21.70	20.28	20.32	20.14
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18615CH	18900CH	19185CH
3MHz	QPSK	1	0	22.70	21.37	21.40	21.38
		1	7	22.70	21.42	21.39	21.53
		1	14	22.70	21.42	21.33	21.37
		8	0	22.70	21.38	21.40	21.31
		8	4	22.70	21.40	21.38	21.22
		8	7	22.70	21.39	21.37	21.30
		15	0	22.70	21.41	21.54	21.24
	16QAM	1	0	22.70	21.54	21.47	21.56
		1	7	22.70	21.53	21.48	21.62
		1	14	22.70	21.54	21.47	21.73
		8	0	22.70	21.32	21.38	21.44
		8	4	22.70	21.26	21.34	21.40
		8	7	22.70	21.26	21.36	21.40
		15	0	22.70	21.20	21.24	21.17
	64QAM	1	0	22.70	21.43	21.53	21.48
		1	7	22.70	21.30	21.34	21.54
		1	14	22.70	21.51	21.42	21.50
		8	0	21.70	20.29	20.39	20.36
		8	4	21.70	20.29	20.41	20.44
		8	7	21.70	20.32	20.45	20.44
		15	0	21.70	20.29	20.32	20.26

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18625CH	18900CH	19175CH
5MHz	QPSK	1	0	22.70	21.49	21.34	21.35
		1	13	22.70	21.46	21.42	21.49
		1	24	22.70	21.50	21.44	21.35
		12	0	22.70	21.49	21.47	21.52
		12	6	22.70	21.49	21.47	21.40
		12	13	22.70	21.49	21.50	21.53
		25	0	22.70	21.49	21.34	21.30
	16QAM	1	0	22.70	21.50	21.51	21.79
		1	13	22.70	21.83	21.46	21.72
		1	24	22.70	21.57	21.51	21.64
		12	0	22.70	21.31	21.35	21.34
		12	6	22.70	21.33	21.39	21.34
		12	13	22.70	21.36	21.36	21.37
		25	0	22.70	21.27	21.25	21.45
	64QAM	1	0	22.70	21.48	21.50	21.65
		1	13	22.70	21.39	21.43	21.50
		1	24	22.70	21.32	21.42	21.58
		12	0	21.70	20.37	20.39	20.34
		12	6	21.70	20.34	20.49	20.33
		12	13	21.70	20.37	20.44	20.37
		25	0	21.70	20.30	20.29	20.30
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18650CH	18900CH	19150CH
10MHz	QPSK	1	0	22.70	21.51	21.32	21.53
		1	25	22.70	21.51	21.35	21.50
		1	49	22.70	21.51	21.32	21.50
		25	0	22.70	21.54	21.47	21.37
		25	13	22.70	21.52	21.33	21.51
		25	25	22.70	21.53	21.47	21.49
		50	0	22.70	21.37	21.36	21.26
	16QAM	1	0	22.70	21.59	21.39	21.55
		1	25	22.70	21.47	21.40	21.54
		1	49	22.70	21.51	21.65	21.54
		25	0	22.70	21.33	21.29	21.47
		25	13	22.70	21.30	21.32	21.42
		25	25	22.70	21.31	21.30	21.43
		50	0	22.70	21.25	21.27	21.38
	64QAM	1	0	22.70	21.40	21.60	21.53
		1	25	22.70	21.37	21.33	21.61
		1	49	22.70	21.42	21.52	21.39
		25	0	21.70	20.39	20.30	20.46
		25	13	21.70	20.35	20.33	20.46
		25	25	21.70	20.37	20.35	20.42
		50	0	21.70	20.29	20.34	20.40

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18675CH	18900CH	19125CH
15MHz	QPSK	1	0	22.70	21.50	21.35	21.49
		1	38	22.70	21.38	21.31	21.51
		1	74	22.70	21.38	21.31	21.49
		36	0	22.70	21.53	21.36	21.36
		36	18	22.70	21.42	21.34	21.40
		36	39	22.70	21.53	21.37	21.36
		75	0	22.70	21.32	21.36	21.36
	16QAM	1	0	22.70	21.47	21.58	21.56
		1	38	22.70	21.63	21.63	21.52
		1	74	22.70	21.64	21.76	21.60
		36	0	22.70	21.31	21.48	21.33
		36	18	22.70	21.33	21.46	21.33
		36	39	22.70	21.30	21.48	21.29
		75	0	22.70	21.47	21.27	21.25
	64QAM	1	0	22.70	21.23	21.53	21.69
		1	38	22.70	21.64	21.40	21.42
		1	74	22.70	21.34	21.43	21.32
		36	0	21.70	20.40	20.53	20.34
		36	18	21.70	20.38	20.54	20.35
		36	39	21.70	20.37	20.51	20.40
		75	0	21.70	20.47	20.34	20.28
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18700CH	18900CH	19100CH
20MHz	QPSK	1	0	22.70	21.14	21.29	21.29
		1	50	22.70	21.17	21.32	21.30
		1	99	22.70	**21.20**	**21.32**	**21.33**
		50	0	22.70	21.57	21.41	21.39
		50	25	22.70	21.57	21.40	21.37
		50	50	22.70	**21.58**	21.39	21.38
		100	0	22.70	21.53	21.46	21.45
	16QAM	1	0	22.70	21.23	21.56	21.42
		1	50	22.70	21.26	21.49	21.29
		1	99	22.70	21.45	21.46	21.47
		50	0	22.70	21.44	21.33	21.29
		50	25	22.70	21.46	21.31	21.29
		50	50	22.70	21.44	21.35	21.29
		100	0	22.70	21.42	21.30	21.29
	64QAM	1	0	22.70	20.98	21.25	21.03
		1	50	22.70	21.02	21.28	21.24
		1	99	22.70	21.20	21.19	21.29
		50	0	21.70	20.48	20.38	20.34
		50	25	21.70	20.52	20.38	20.34
		50	50	21.70	20.50	20.34	20.37
		100	0	21.70	20.44	20.36	20.35

Table 43: Conducted power measurement results of LTE Band 2(Reduced Power Level D1/D3/D5)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	20.70	19.57	19.58	19.27
		1	3	20.70	19.56	19.58	19.50
		1	5	20.70	19.56	19.56	19.28
		3	0	20.70	19.28	19.52	19.27
		3	2	20.70	19.28	19.42	19.35
		3	3	20.70	19.26	19.40	19.18
		6	0	20.70	19.23	19.26	19.31
	16QAM	1	0	20.70	19.63	19.68	19.38
		1	3	20.70	19.60	19.57	19.53
		1	5	20.70	19.73	19.59	19.59
		3	0	20.70	19.34	19.48	19.40
		3	2	20.70	19.19	19.51	19.42
		3	3	20.70	19.49	19.42	19.37
		6	0	20.70	19.35	19.47	19.37
	64QAM	1	0	20.70	19.70	19.39	19.32
		1	3	20.70	19.40	19.66	19.54
		1	5	20.70	19.45	19.40	19.38
		3	0	20.70	19.51	19.55	19.48
		3	2	20.70	19.43	19.45	19.40
		3	3	20.70	19.59	19.38	19.30
		6	0	20.70	19.41	19.41	19.42
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18615CH	18900CH	19185CH
3MHz	QPSK	1	0	20.70	19.53	19.35	19.55
		1	7	20.70	19.53	19.31	19.51
		1	14	20.70	19.52	19.55	19.32
		8	0	20.70	19.27	19.49	19.33
		8	4	20.70	19.21	19.47	19.33
		8	7	20.70	19.25	19.46	19.51
		15	0	20.70	19.54	19.49	19.35
	16QAM	1	0	20.70	19.61	19.52	19.89
		1	7	20.70	19.60	19.47	19.61
		1	14	20.70	19.66	19.60	19.81
		8	0	20.70	19.37	19.46	19.26
		8	4	20.70	19.42	19.46	19.36
		8	7	20.70	19.20	19.44	19.36
		15	0	20.70	19.34	19.30	19.28
	64QAM	1	0	20.70	19.49	19.51	19.60
		1	7	20.70	19.73	19.37	19.63
		1	14	20.70	19.40	19.64	19.64
		8	0	20.70	19.32	19.39	19.33
		8	4	20.70	19.37	19.44	19.40
		8	7	20.70	19.38	19.42	19.31
		15	0	20.70	19.44	19.41	19.44

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18625CH	18900CH	19175CH
5MHz	QPSK	1	0	20.70	19.59	19.38	19.40
		1	13	20.70	19.57	19.50	19.53
		1	24	20.70	19.59	19.38	19.40
		12	0	20.70	19.60	19.53	19.58
		12	6	20.70	19.61	19.44	19.55
		12	13	20.70	19.61	19.53	19.55
		25	0	20.70	19.54	19.50	19.32
	16QAM	1	0	20.70	19.68	19.51	19.72
		1	13	20.70	19.70	19.45	19.56
		1	24	20.70	19.83	19.62	19.58
		12	0	20.70	19.54	19.45	19.48
		12	6	20.70	19.47	19.36	19.50
		12	13	20.70	19.47	19.50	19.51
		25	0	20.70	19.46	19.32	19.42
	64QAM	1	0	20.70	19.54	19.39	19.68
		1	13	20.70	19.44	19.38	19.67
		1	24	20.70	19.59	19.47	19.62
		12	0	20.70	19.48	19.48	19.41
		12	6	20.70	19.50	19.39	19.40
		12	13	20.70	19.48	19.49	19.33
		25	0	20.70	19.47	19.37	19.29
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18650CH	18900CH	19150CH
10MHz	QPSK	1	0	20.70	19.57	19.42	19.50
		1	25	20.70	19.61	19.40	19.52
		1	49	20.70	19.62	19.53	19.55
		25	0	20.70	19.35	19.39	19.33
		25	13	20.70	19.40	19.47	19.36
		25	25	20.70	19.35	19.46	19.39
		50	0	20.70	19.53	19.51	19.50
	16QAM	1	0	20.70	19.75	19.40	19.59
		1	25	20.70	19.53	19.41	19.66
		1	49	20.70	19.71	19.36	19.56
		25	0	20.70	19.48	19.39	19.47
		25	13	20.70	19.46	19.43	19.37
		25	25	20.70	19.50	19.45	19.38
		50	0	20.70	19.32	19.40	19.45
	64QAM	1	0	20.70	19.47	19.38	19.46
		1	25	20.70	19.73	19.55	19.59
		1	49	20.70	19.84	19.44	19.47
		25	0	20.70	19.48	19.37	19.34
		25	13	20.70	19.47	19.29	19.44
		25	25	20.70	19.52	19.42	19.49
		50	0	20.70	19.36	19.43	19.27

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18675CH	18900CH	19125CH
15MHz	QPSK	1	0	20.70	19.65	19.40	19.38
		1	38	20.70	19.65	19.41	19.36
		1	74	20.70	19.63	19.41	19.40
		36	0	20.70	19.64	19.42	19.48
		36	18	20.70	19.64	19.42	19.48
		36	39	20.70	19.60	19.42	19.48
		75	0	20.70	19.40	19.52	19.35
	16QAM	1	0	20.70	19.66	19.59	19.66
		1	38	20.70	19.63	19.59	19.60
		1	74	20.70	19.62	19.63	19.54
		36	0	20.70	19.52	19.36	19.31
		36	18	20.70	19.39	19.35	19.33
		36	39	20.70	19.40	19.33	19.31
		75	0	20.70	19.48	19.33	19.27
	64QAM	1	0	20.70	19.49	19.50	19.63
		1	38	20.70	19.58	19.38	19.76
		1	74	20.70	19.40	19.25	19.66
		36	0	20.70	19.40	19.34	19.35
		36	18	20.70	19.45	19.35	19.38
		36	39	20.70	19.43	19.30	19.35
		75	0	20.70	19.48	19.35	19.27
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18700CH	18900CH	19100CH
20MHz	QPSK	1	0	20.70	19.41	19.16	19.13
		1	50	20.70	19.35	19.19	19.14
		1	99	20.70	19.36	19.19	19.15
		50	0	20.70	19.43	19.52	19.48
		50	25	20.70	19.41	19.52	19.48
		50	50	20.70	19.43	19.52	19.48
		100	0	20.70	19.46	19.55	19.58
	16QAM	1	0	20.70	19.46	19.36	19.57
		1	50	20.70	19.57	19.38	19.60
		1	99	20.70	19.62	19.32	19.41
		50	0	20.70	19.54	19.47	19.42
		50	25	20.70	19.53	19.47	19.43
		50	50	20.70	19.56	19.45	19.43
		100	0	20.70	19.32	19.42	19.44
	64QAM	1	0	20.70	19.43	19.37	19.34
		1	50	20.70	19.53	19.18	19.33
		1	99	20.70	19.11	19.32	19.25
		50	0	20.70	19.61	19.37	19.42
		50	25	20.70	19.49	19.40	19.37
		50	50	20.70	19.57	19.39	19.38
		100	0	20.70	19.32	19.45	19.47

Table 44: Conducted power measurement results of LTE Band 2(Reduced Power Level D4)

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7.1.13 Conducted power measurements of LTE Band 4 (Second Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	19957CH	20175CH	20393CH
1.4MHz	QPSK	1	0	22.20	21.17	21.27	21.34
		1	3	22.20	21.22	21.28	21.30
		1	5	22.20	21.17	21.33	21.38
		3	0	22.20	21.19	21.26	21.28
		3	2	22.20	21.10	21.21	21.22
		3	3	22.20	21.22	21.28	21.23
		6	0	22.20	21.12	21.21	21.11
	16QAM	1	0	22.20	21.46	21.43	21.23
		1	3	22.20	21.37	21.44	21.48
		1	5	22.20	21.49	21.24	21.40
		3	0	22.20	21.12	21.29	21.37
		3	2	22.20	21.19	21.17	21.18
		3	3	22.20	21.25	21.13	21.24
		6	0	22.20	21.06	21.11	21.20
	64QAM	1	0	22.20	21.22	21.45	21.32
		1	3	22.20	21.07	21.17	21.19
		1	5	22.20	21.29	21.39	21.24
		3	0	22.20	21.07	21.20	21.33
		3	2	22.20	21.19	21.31	21.19
		3	3	22.20	21.21	21.31	21.16
		6	0	21.20	20.27	20.08	20.07
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	19965CH	20175CH	20385CH
3MHz	QPSK	1	0	22.20	21.23	21.29	21.39
		1	7	22.20	21.23	21.34	21.25
		1	14	22.20	21.28	21.33	21.29
		8	0	22.20	21.32	21.28	21.21
		8	4	22.20	21.20	21.25	21.18
		8	7	22.20	21.17	21.26	21.34
		15	0	22.20	21.18	21.18	21.34
	16QAM	1	0	22.20	21.39	21.30	21.34
		1	7	22.20	21.44	21.32	21.47
		1	14	22.20	21.46	21.43	21.40
		8	0	22.20	21.11	21.10	21.15
		8	4	22.20	21.17	21.12	21.24
		8	7	22.20	21.11	21.19	21.16
		15	0	22.20	21.14	21.18	21.22
	64QAM	1	0	22.20	21.21	21.31	21.36
		1	7	22.20	21.16	21.31	21.49
		1	14	22.20	21.26	21.40	21.55
		8	0	21.20	20.28	20.21	20.26
		8	4	21.20	20.40	20.25	20.14
		8	7	21.20	20.33	20.33	20.13
		15	0	21.20	20.10	20.31	20.27

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	19975CH	20175CH	20375CH
5MHz	QPSK	1	0	22.20	21.26	21.27	21.25
		1	13	22.20	21.27	21.31	21.28
		1	24	22.20	21.27	21.26	21.25
		12	0	22.20	21.29	21.27	21.28
		12	6	22.20	21.29	21.31	21.25
		12	13	22.20	21.28	21.25	21.37
		25	0	22.20	21.16	21.25	21.25
	16QAM	1	0	22.20	21.31	21.37	21.42
		1	13	22.20	21.34	21.42	21.33
		1	24	22.20	21.36	21.47	21.43
		12	0	22.20	21.18	21.27	21.23
		12	6	22.20	21.25	21.27	21.16
		12	13	22.20	21.28	21.28	21.18
		25	0	22.20	21.21	21.23	21.20
	64QAM	1	0	22.20	21.37	21.44	21.19
		1	13	22.20	21.50	21.25	21.52
		1	24	22.20	21.37	21.29	21.33
		12	0	21.20	20.26	20.34	20.25
		12	6	21.20	20.23	20.37	20.27
		12	13	21.20	20.24	20.31	20.23
		25	0	21.20	20.18	20.20	20.17
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20000CH	20175CH	20350CH
10MHz	QPSK	1	0	22.20	21.29	21.33	21.26
		1	25	22.20	21.29	21.31	21.27
		1	49	22.20	21.25	21.34	21.32
		25	0	22.20	21.33	21.30	21.28
		25	13	22.20	21.33	21.27	21.27
		25	25	22.20	21.32	21.30	21.27
		50	0	22.20	21.26	21.25	21.21
	16QAM	1	0	22.20	21.28	21.58	21.31
		1	25	22.20	21.53	21.54	21.29
		1	49	22.20	21.24	21.49	21.37
		25	0	22.20	21.24	21.21	21.19
		25	13	22.20	21.20	21.25	21.20
		25	25	22.20	21.26	21.20	21.20
		50	0	22.20	21.21	21.17	21.29
	64QAM	1	0	22.20	21.15	21.45	21.38
		1	25	22.20	21.34	21.50	21.71
		1	49	22.20	21.40	21.54	21.51
		25	0	21.20	20.23	20.25	20.20
		25	13	21.20	20.27	20.23	20.27
		25	25	21.20	20.25	20.24	20.23
		50	0	21.20	20.24	20.22	20.32

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20025CH	20175CH	20325CH
15MHz	QPSK	1	0	22.20	21.21	21.32	21.24
		1	38	22.20	21.22	21.34	21.23
		1	74	22.20	21.20	21.34	21.27
		36	0	22.20	21.32	21.36	21.40
		36	18	22.20	21.31	21.30	21.40
		36	39	22.20	21.30	21.28	21.40
		75	0	22.20	21.30	21.31	21.28
	16QAM	1	0	22.20	21.55	21.48	21.36
		1	38	22.20	21.25	21.32	21.34
		1	74	22.20	21.52	21.28	21.49
		36	0	22.20	21.38	21.24	21.21
		36	18	22.20	21.35	21.22	21.26
		36	39	22.20	21.33	21.26	21.26
		75	0	22.20	21.19	21.20	21.19
	64QAM	1	0	22.20	21.37	21.41	21.31
		1	38	22.20	21.29	21.33	21.44
		1	74	22.20	21.23	21.42	21.32
		36	0	21.20	20.36	20.31	20.35
		36	18	21.20	20.39	20.28	20.32
		36	39	21.20	20.39	20.26	20.31
		75	0	21.20	20.21	20.24	20.24
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20050CH	20175CH	20300CH
20MHz	QPSK	1	0	22.20	21.01	21.19	21.07
		1	50	22.20	21.02	**21.20**	21.08
		1	99	22.20	21.02	21.17	21.05
		50	0	22.20	**21.35**	**21.45**	21.28
		50	25	22.20	21.35	21.45	21.29
		50	50	22.20	21.34	21.45	**21.32**
		100	0	22.20	21.33	21.29	21.31
	16QAM	1	0	22.20	21.35	21.24	21.48
		1	50	22.20	21.54	21.20	21.33
		1	99	22.20	21.22	21.45	21.51
		50	0	22.20	21.28	21.32	21.25
		50	25	22.20	21.29	21.30	21.24
		50	50	22.20	21.29	21.29	21.24
		100	0	22.20	21.26	21.23	21.19
	64QAM	1	0	22.20	21.26	21.12	21.36
		1	50	22.20	21.09	21.13	21.16
		1	99	22.20	21.48	21.28	21.35
		50	0	21.20	20.37	20.32	20.29
		50	25	21.20	20.37	20.38	20.26
		50	50	21.20	20.35	20.37	20.30
		100	0	21.20	20.27	20.30	20.25

Table 45: Conducted power measurement results of LTE Band 4(Full Power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 19957CH	Channel 20175CH	Channel 20393CH
1.4MHz	QPSK	1	0	15.20	14.22	14.38	14.26
		1	3	15.20	14.25	14.35	14.28
		1	5	15.20	14.25	14.37	14.31
		3	0	15.20	14.15	14.27	14.18
		3	2	15.20	14.27	14.26	14.20
		3	3	15.20	14.20	14.24	14.14
		6	0	15.20	14.27	14.11	14.03
	16QAM	1	0	15.20	14.52	14.44	14.49
		1	3	15.20	14.38	14.35	14.35
		1	5	15.20	14.46	14.37	14.33
		3	0	15.20	14.25	14.07	14.13
		3	2	15.20	14.20	14.15	13.99
		3	3	15.20	14.24	14.16	14.05
		6	0	15.20	14.02	14.10	14.08
	64QAM	1	0	15.20	14.32	14.40	14.39
		1	3	15.20	14.30	14.49	14.47
		1	5	15.20	14.45	14.31	14.45
		3	0	15.20	14.17	14.08	14.11
		3	2	15.20	14.24	14.21	14.27
		3	3	15.20	14.26	14.23	14.21
		6	0	15.20	13.61	14.19	14.18
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 19965CH	Channel 20175CH	Channel 20385CH
3MHz	QPSK	1	0	15.20	14.20	14.32	14.32
		1	7	15.20	14.20	14.29	14.33
		1	14	15.20	14.27	14.30	14.20
		8	0	15.20	14.30	14.17	14.20
		8	4	15.20	14.11	14.20	14.09
		8	7	15.20	14.22	14.20	14.13
		15	0	15.20	14.21	14.26	14.25
	16QAM	1	0	15.20	14.24	14.44	14.49
		1	7	15.20	14.42	14.32	14.36
		1	14	15.20	14.45	14.43	14.44
		8	0	15.20	14.12	14.24	14.04
		8	4	15.20	14.22	14.16	14.33
		8	7	15.20	14.19	14.17	14.05
		15	0	15.20	14.10	14.21	14.14
	64QAM	1	0	15.20	14.32	14.37	14.59
		1	7	15.20	14.27	14.39	14.38
		1	14	15.20	14.23	14.36	14.33
		8	0	15.20	13.56	14.11	14.10
		8	4	15.20	13.58	14.16	14.08
		8	7	15.20	13.69	14.24	14.05
		15	0	15.20	13.62	14.24	14.09

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	19975CH	20175CH	20375CH
5MHz	QPSK	1	0	15.20	14.38	14.40	14.34
		1	13	15.20	14.31	14.39	14.37
		1	24	15.20	14.29	14.36	14.39
		12	0	15.20	14.40	14.32	14.36
		12	6	15.20	14.41	14.33	14.26
		12	13	15.20	14.41	14.32	14.36
		25	0	15.20	14.22	14.21	14.30
	16QAM	1	0	15.20	14.51	14.28	14.49
		1	13	15.20	14.53	14.29	14.20
		1	24	15.20	14.46	14.44	14.40
		12	0	15.20	14.17	14.25	14.29
		12	6	15.20	14.19	14.21	14.27
		12	13	15.20	14.18	14.26	14.29
		25	0	15.20	14.12	14.20	14.26
	64QAM	1	0	15.20	14.27	14.43	14.34
		1	13	15.20	14.38	14.18	14.57
		1	24	15.20	14.26	14.35	14.16
		12	0	15.20	13.74	14.27	14.09
		12	6	15.20	13.70	14.27	14.17
		12	13	15.20	13.81	14.27	14.13
		25	0	15.20	13.67	14.18	14.04
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20000CH	20175CH	20350CH
10MHz	QPSK	1	0	15.20	14.34	14.39	14.41
		1	25	15.20	14.39	14.42	14.28
		1	49	15.20	14.36	14.41	14.35
		25	0	15.20	14.36	14.30	14.30
		25	13	15.20	14.37	14.29	14.38
		25	25	15.20	14.38	14.29	14.39
		50	0	15.20	14.29	14.26	14.20
	16QAM	1	0	15.20	14.43	14.47	14.34
		1	25	15.20	14.34	14.36	14.24
		1	49	15.20	14.45	14.40	14.33
		25	0	15.20	14.17	14.16	14.31
		25	13	15.20	14.15	14.17	14.31
		25	25	15.20	14.23	14.16	14.33
		50	0	15.20	14.12	14.15	14.25
	64QAM	1	0	15.20	14.38	14.30	14.34
		1	25	15.20	14.30	14.51	14.12
		1	49	15.20	14.38	14.34	14.46
		25	0	15.20	13.78	14.19	14.12
		25	13	15.20	13.80	14.19	14.14
		25	25	15.20	13.76	14.17	14.13
		50	0	15.20	13.70	14.23	14.14

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20025CH	20175CH	20325CH
15MHz	QPSK	1	0	15.20	14.40	14.25	14.26
		1	38	15.20	14.40	14.32	14.27
		1	74	15.20	14.43	14.31	14.28
		36	0	15.20	14.41	14.37	14.25
		36	18	15.20	14.41	14.36	14.28
		36	39	15.20	14.42	14.37	14.26
		75	0	15.20	14.22	14.24	14.29
	16QAM	1	0	15.20	14.47	14.31	14.37
		1	38	15.20	14.49	14.48	14.26
		1	74	15.20	14.46	14.25	14.32
		36	0	15.20	14.23	14.26	14.16
		36	18	15.20	14.21	14.26	14.17
		36	39	15.20	14.21	14.26	14.15
		75	0	15.20	14.18	14.17	14.16
	64QAM	1	0	15.20	14.22	14.25	14.47
		1	38	15.20	14.21	14.17	14.40
		1	74	15.20	14.42	14.42	14.30
		36	0	15.20	13.84	14.26	14.18
		36	18	15.20	13.84	14.24	14.21
		36	39	15.20	13.86	14.25	14.24
		75	0	15.20	13.94	14.21	14.10
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20050CH	20175CH	20300CH
20MHz	QPSK	1	0	15.20	**14.24**	14.10	14.05
		1	50	15.20	14.19	14.04	14.03
		1	99	15.20	14.21	14.00	14.06
		50	0	15.20	**14.45**	14.42	14.24
		50	25	15.20	14.44	14.42	14.25
		50	50	15.20	14.45	**14.43**	**14.25**
		100	0	15.20	14.26	14.28	14.31
	16QAM	1	0	15.20	14.46	14.04	14.20
		1	50	15.20	14.33	14.02	14.12
		1	99	15.20	14.29	14.05	14.05
		50	0	15.20	14.24	14.36	14.20
		50	25	15.20	14.23	14.32	14.17
		50	50	15.20	14.30	14.33	14.12
		100	0	15.20	14.25	14.32	14.19
	64QAM	1	0	15.20	14.13	14.08	14.23
		1	50	15.20	14.24	14.12	14.27
		1	99	15.20	14.19	14.21	14.23
		50	0	15.20	13.89	14.20	14.20
		50	25	15.20	13.91	14.22	14.22
		50	50	15.20	13.90	14.20	14.23
		100	0	15.20	14.05	14.21	14.18

Table 46: Conducted power measurement results of LTE Band 4(Reduced Power Level D1)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 19957CH	Channel 20175CH	Channel 20393CH
1.4MHz	QPSK	1	0	12.20	11.31	11.35	11.26
		1	3	12.20	11.33	11.39	11.29
		1	5	12.20	11.29	11.34	11.28
		3	0	12.20	11.10	11.31	11.24
		3	2	12.20	11.17	11.26	11.22
		3	3	12.20	11.06	11.38	11.31
		6	0	12.20	11.12	11.28	11.06
	16QAM	1	0	12.20	11.33	11.51	11.33
		1	3	12.20	11.27	11.32	11.46
		1	5	12.20	11.34	11.43	11.22
		3	0	12.20	11.11	11.30	11.13
		3	2	12.20	11.15	11.30	11.15
		3	3	12.20	11.23	11.13	11.14
		6	0	12.20	10.96	11.06	11.07
	64QAM	1	0	12.20	11.21	11.43	11.16
		1	3	12.20	11.10	11.38	11.12
		1	5	12.20	11.27	11.35	11.19
		3	0	12.20	11.35	11.21	11.35
		3	2	12.20	11.18	11.28	11.35
		3	3	12.20	11.34	11.30	11.21
		6	0	12.20	11.17	11.25	11.09
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 19965CH	Channel 20175CH	Channel 20385CH
3MHz	QPSK	1	0	12.20	11.22	11.35	11.27
		1	7	12.20	11.34	11.33	11.22
		1	14	12.20	11.33	11.32	11.18
		8	0	12.20	11.21	11.28	11.16
		8	4	12.20	11.32	11.25	11.17
		8	7	12.20	11.24	11.33	11.19
		15	0	12.20	11.14	11.29	11.24
	16QAM	1	0	12.20	11.20	11.52	11.25
		1	7	12.20	11.35	11.38	11.50
		1	14	12.20	11.32	11.28	11.50
		8	0	12.20	11.22	11.10	11.14
		8	4	12.20	11.24	11.17	11.24
		8	7	12.20	11.17	11.10	11.08
		15	0	12.20	11.22	11.21	11.24
	64QAM	1	0	12.20	11.16	11.15	11.24
		1	7	12.20	11.29	11.35	11.20
		1	14	12.20	11.19	11.25	11.29
		8	0	12.20	11.18	11.16	11.25
		8	4	12.20	11.10	11.13	11.24
		8	7	12.20	11.05	11.21	11.25
		15	0	12.20	11.17	11.21	11.24

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 19975CH	Channel 20175CH	Channel 20375CH
5MHz	QPSK	1	0	12.20	11.33	11.23	11.27
		1	13	12.20	11.33	11.22	11.29
		1	24	12.20	11.32	11.23	11.27
		12	0	12.20	11.25	11.37	11.27
		12	6	12.20	11.33	11.37	11.27
		12	13	12.20	11.34	11.38	11.27
		25	0	12.20	11.23	11.32	11.15
	16QAM	1	0	12.20	11.50	11.18	11.13
		1	13	12.20	11.47	11.33	11.11
		1	24	12.20	11.47	11.31	11.37
		12	0	12.20	11.42	11.32	11.20
		12	6	12.20	11.32	11.29	11.14
		12	13	12.20	11.32	11.33	11.17
		25	0	12.20	11.25	11.12	11.18
	64QAM	1	0	12.20	11.36	11.34	11.34
		1	13	12.20	11.59	11.43	11.32
		1	24	12.20	11.45	11.38	11.21
		12	0	12.20	11.25	11.30	11.19
		12	6	12.20	11.29	11.31	11.31
		12	13	12.20	11.29	11.27	11.17
		25	0	12.20	11.15	11.15	11.21
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20000CH	Channel 20175CH	Channel 20350CH
10MHz	QPSK	1	0	12.20	11.35	11.27	11.25
		1	25	12.20	11.32	11.23	11.26
		1	49	12.20	11.34	11.29	11.24
		25	0	12.20	11.38	11.32	11.16
		25	13	12.20	11.18	11.35	11.18
		25	25	12.20	11.38	11.34	11.28
		50	0	12.20	11.20	11.26	11.19
	16QAM	1	0	12.20	11.42	11.47	11.52
		1	25	12.20	11.37	11.52	11.44
		1	49	12.20	11.38	11.35	11.29
		25	0	12.20	11.30	11.26	11.13
		25	13	12.20	11.30	11.24	11.12
		25	25	12.20	11.26	11.23	11.16
		50	0	12.20	11.05	11.14	11.24
	64QAM	1	0	12.20	11.38	11.46	11.27
		1	25	12.20	11.49	11.50	11.18
		1	49	12.20	11.45	11.50	11.26
		25	0	12.20	11.32	11.25	11.15
		25	13	12.20	11.25	11.27	11.15
		25	25	12.20	11.33	11.26	11.11
		50	0	12.20	11.12	11.15	11.24

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20025CH	20175CH	20325CH
15MHz	QPSK	1	0	12.20	11.41	11.37	11.39
		1	38	12.20	11.39	11.37	11.38
		1	74	12.20	11.35	11.36	11.36
		36	0	12.20	11.40	11.41	11.34
		36	18	12.20	11.40	11.40	11.37
		36	39	12.20	11.36	11.38	11.36
		75	0	12.20	11.20	11.27	11.15
	16QAM	1	0	12.20	11.50	11.44	11.49
		1	38	12.20	11.59	11.33	11.51
		1	74	12.20	11.59	11.36	11.39
		36	0	12.20	11.31	11.30	11.26
		36	18	12.20	11.33	11.31	11.23
		36	39	12.20	11.33	11.33	11.28
		75	0	12.20	11.31	11.16	11.07
	64QAM	1	0	12.20	11.46	11.32	11.29
		1	38	12.20	11.54	11.21	11.42
		1	74	12.20	11.47	11.10	11.23
		36	0	12.20	11.37	11.32	11.28
		36	18	12.20	11.35	11.30	11.30
		36	39	12.20	11.32	11.33	11.26
		75	0	12.20	11.19	11.18	11.28
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20050CH	20175CH	20300CH
20MHz	QPSK	1	0	12.20	11.14	11.10	11.13
		1	50	12.20	11.13	11.10	11.10
		1	99	12.20	11.09	11.10	11.09
		50	0	12.20	11.31	11.25	11.33
		50	25	12.20	11.30	11.24	11.33
		50	50	12.20	11.29	11.31	11.40
		100	0	12.20	11.27	11.37	11.19
	16QAM	1	0	12.20	11.18	11.25	11.21
		1	50	12.20	11.06	11.01	11.22
		1	99	12.20	11.22	11.01	11.16
		50	0	12.20	11.21	11.28	11.23
		50	25	12.20	11.34	11.30	11.22
		50	50	12.20	11.35	11.29	11.21
		100	0	12.20	11.15	11.14	11.19
	64QAM	1	0	12.20	11.14	10.92	11.17
		1	50	12.20	10.99	11.12	11.28
		1	99	12.20	10.99	11.21	11.20
		50	0	12.20	11.25	11.33	11.24
		50	25	12.20	11.20	11.33	11.24
		50	50	12.20	11.37	11.36	11.24
		100	0	12.20	11.31	11.22	11.28

Table 47: Conducted power measurement results of LTE Band 4(Reduced Power Level D3)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 19957CH	Channel 20175CH	Channel 20393CH
1.4MHz	QPSK	1	0	19.20	18.22	18.16	18.25
		1	3	19.20	18.09	18.24	18.28
		1	5	19.20	18.12	18.15	18.28
		3	0	19.20	18.12	18.18	18.16
		3	2	19.20	18.35	18.14	18.17
		3	3	19.20	18.13	18.03	18.10
		6	0	19.20	18.13	18.20	18.19
	16QAM	1	0	19.20	18.26	18.37	18.56
		1	3	19.20	18.06	18.39	18.45
		1	5	19.20	18.35	18.31	18.52
		3	0	19.20	18.26	18.11	18.15
		3	2	19.20	18.19	18.28	18.25
		3	3	19.20	18.21	18.04	18.13
		6	0	19.20	18.19	18.12	18.14
	64QAM	1	0	19.20	18.15	18.24	18.25
		1	3	19.20	18.19	18.31	18.13
		1	5	19.20	18.23	18.19	18.14
		3	0	19.20	18.14	18.09	18.18
		3	2	19.20	18.18	18.13	18.16
		3	3	19.20	18.27	18.26	18.28
		6	0	19.20	18.15	18.14	18.05
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 19965CH	Channel 20175CH	Channel 20385CH
3MHz	QPSK	1	0	19.20	18.16	18.18	18.25
		1	7	19.20	18.17	18.16	18.23
		1	14	19.20	18.10	18.22	18.20
		8	0	19.20	18.16	18.18	18.20
		8	4	19.20	18.17	18.08	18.25
		8	7	19.20	18.12	18.19	18.24
		15	0	19.20	18.21	18.15	18.27
	16QAM	1	0	19.20	18.35	18.27	18.42
		1	7	19.20	18.24	18.13	18.35
		1	14	19.20	18.18	18.28	18.46
		8	0	19.20	18.09	18.17	18.12
		8	4	19.20	18.14	18.07	18.07
		8	7	19.20	18.17	18.13	18.06
		15	0	19.20	18.12	18.11	18.20
	64QAM	1	0	19.20	18.34	18.19	18.22
		1	7	19.20	18.21	18.07	18.27
		1	14	19.20	18.17	18.24	18.09
		8	0	19.20	18.01	18.08	18.12
		8	4	19.20	18.20	18.12	18.12
		8	7	19.20	18.16	18.23	18.11
		15	0	19.20	18.15	18.13	18.11

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 19975CH	Channel 20175CH	Channel 20375CH
5MHz	QPSK	1	0	19.20	18.15	18.27	18.31
		1	13	19.20	18.24	18.28	18.29
		1	24	19.20	18.19	18.27	18.35
		12	0	19.20	18.18	18.21	18.30
		12	6	19.20	18.19	18.23	18.30
		12	13	19.20	18.17	18.20	18.30
		25	0	19.20	18.23	18.21	18.11
	16QAM	1	0	19.20	18.29	18.48	18.50
		1	13	19.20	18.37	18.53	18.38
		1	24	19.20	18.32	18.48	18.28
		12	0	19.20	18.22	18.18	18.29
		12	6	19.20	18.29	18.16	18.16
		12	13	19.20	18.22	18.20	18.18
		25	0	19.20	18.20	18.11	18.25
	64QAM	1	0	19.20	18.47	18.28	18.23
		1	13	19.20	18.24	18.22	18.23
		1	24	19.20	18.14	18.26	18.20
		12	0	19.20	18.25	18.25	18.18
		12	6	19.20	18.18	18.22	18.17
		12	13	19.20	18.19	18.21	18.17
		25	0	19.20	18.17	18.19	18.08
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20000CH	Channel 20175CH	Channel 20350CH
10MHz	QPSK	1	0	19.20	18.16	18.36	18.18
		1	25	19.20	18.19	18.34	18.33
		1	49	19.20	18.24	18.41	18.17
		25	0	19.20	18.17	18.20	18.32
		25	13	19.20	18.20	18.21	18.20
		25	25	19.20	18.16	18.22	18.32
		50	0	19.20	18.15	18.18	18.24
	16QAM	1	0	19.20	18.40	18.36	18.31
		1	25	19.20	18.32	18.48	18.26
		1	49	19.20	18.50	18.39	18.24
		25	0	19.20	18.07	18.13	18.17
		25	13	19.20	18.09	18.14	18.11
		25	25	19.20	18.11	18.08	18.19
		50	0	19.20	18.21	18.14	18.19
	64QAM	1	0	19.20	18.40	18.28	18.19
		1	25	19.20	18.29	18.31	18.40
		1	49	19.20	18.53	18.28	18.21
		25	0	19.20	18.13	18.13	18.21
		25	13	19.20	18.13	18.16	18.18
		25	25	19.20	18.18	18.18	18.13
		50	0	19.20	18.15	18.21	18.06

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20025CH	Channel 20175CH	Channel 20325CH
15MHz	QPSK	1	0	19.20	18.27	18.20	18.28
		1	38	19.20	18.26	18.18	18.14
		1	74	19.20	18.27	18.23	18.15
		36	0	19.20	18.25	18.31	18.30
		36	18	19.20	18.25	18.31	18.33
		36	39	19.20	18.21	18.31	18.29
		75	0	19.20	18.17	18.23	18.13
	16QAM	1	0	19.20	18.39	18.45	18.42
		1	38	19.20	18.30	18.31	18.17
		1	74	19.20	18.35	18.47	18.29
		36	0	19.20	18.12	18.22	18.28
		36	18	19.20	18.13	18.20	18.30
		36	39	19.20	18.12	18.20	18.28
		75	0	19.20	18.23	18.14	18.08
	64QAM	1	0	19.20	18.24	18.29	18.31
		1	38	19.20	18.09	18.23	18.25
		1	74	19.20	18.27	18.44	18.30
		36	0	19.20	18.23	18.37	18.32
		36	18	19.20	18.17	18.31	18.30
		36	39	19.20	18.18	18.38	18.31
		75	0	19.20	18.20	18.19	18.16
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20050CH	Channel 20175CH	Channel 20300CH
20MHz	QPSK	1	0	19.20	18.14	17.97	18.16
		1	50	19.20	18.14	18.00	**18.17**
		1	99	19.20	**18.15**	**18.01**	18.16
		50	0	19.20	18.32	18.38	**18.39**
		50	25	19.20	18.29	18.38	18.39
		50	50	19.20	18.32	18.38	18.38
		100	0	19.20	18.29	18.25	18.32
	16QAM	1	0	19.20	18.39	18.04	18.14
		1	50	19.20	18.28	18.15	18.29
		1	99	19.20	18.41	18.09	18.30
		50	0	19.20	18.19	18.32	18.20
		50	25	19.20	18.17	18.30	18.17
		50	50	19.20	18.22	18.34	18.21
		100	0	19.20	18.17	18.14	18.32
	64QAM	1	0	19.20	18.07	17.97	18.31
		1	50	19.20	18.00	18.22	18.09
		1	99	19.20	17.88	18.07	18.20
		50	0	19.20	18.20	18.32	18.19
		50	25	19.20	18.19	18.33	18.22
		50	50	19.20	18.22	18.32	18.15
		100	0	19.20	18.17	18.27	18.34

Table 48: Conducted power measurement results of LTE Band 4(Reduced Power Level D2)

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7.1.14 Conducted power measurements of LTE Band 4 (Main Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	19957CH	20175CH	20393CH
1.4MHz	QPSK	1	0	25.20	24.13	23.25	24.07
		1	3	25.20	24.04	24.25	24.14
		1	5	25.20	24.11	24.20	24.14
		3	0	25.20	24.03	23.96	24.06
		3	2	25.20	24.14	24.16	24.15
		3	3	25.20	24.10	24.11	24.02
		6	0	24.20	22.87	23.06	23.11
	16QAM	1	0	24.20	23.10	23.14	23.21
		1	3	24.20	23.26	23.30	23.28
		1	5	24.20	23.03	23.18	23.24
		3	0	24.20	23.13	23.24	23.14
		3	2	24.20	23.24	23.22	23.11
		3	3	24.20	23.11	23.17	23.01
		6	0	23.20	21.92	22.25	22.06
	64QAM	1	0	23.20	22.32	22.37	22.08
		1	3	23.20	22.33	22.18	22.33
		1	5	23.20	22.30	22.20	22.39
		3	0	23.20	22.25	22.25	22.03
		3	2	23.20	22.06	22.17	22.11
		3	3	23.20	22.25	22.37	22.06
		6	0	22.20	21.02	21.15	21.08
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	19965CH	20175CH	20385CH
3MHz	QPSK	1	0	25.20	24.22	24.12	24.11
		1	7	25.20	24.25	24.14	24.13
		1	14	25.20	24.26	24.10	24.13
		8	0	24.20	23.03	23.17	23.13
		8	4	24.20	23.04	23.10	23.11
		8	7	24.20	23.02	23.16	23.13
		15	0	24.20	23.18	23.19	23.10
	16QAM	1	0	24.20	23.50	23.27	23.21
		1	7	24.20	23.28	23.36	23.48
		1	14	24.20	23.37	23.35	23.38
		8	0	23.20	22.15	22.12	22.00
		8	4	23.20	22.18	22.09	22.12
		8	7	23.20	22.17	22.05	22.15
		15	0	23.20	22.23	22.15	22.09
	64QAM	1	0	23.20	22.31	22.26	22.21
		1	7	23.20	22.40	22.30	22.03
		1	14	23.20	22.37	22.13	22.18
		8	0	22.20	21.22	21.19	21.13
		8	4	22.20	21.04	21.31	21.19
		8	7	22.20	21.18	21.18	21.04
		15	0	22.20	21.22	21.13	21.17

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 19975CH	Channel 20175CH	Channel 20375CH
5MHz	QPSK	1	0	25.20	24.20	24.08	24.16
		1	13	25.20	23.99	24.14	24.13
		1	24	25.20	23.97	24.16	24.11
		12	0	24.20	23.29	23.15	23.12
		12	6	24.20	23.13	23.24	23.19
		12	13	24.20	23.27	23.26	23.13
		25	0	24.20	23.23	23.19	23.16
	16QAM	1	0	24.20	23.24	23.28	23.49
		1	13	24.20	23.46	23.25	23.22
		1	24	24.20	23.40	23.51	23.34
		12	0	23.20	22.24	22.21	22.04
		12	6	23.20	22.22	22.24	22.20
		12	13	23.20	22.17	22.24	22.14
		25	0	23.20	22.21	22.16	22.07
	64QAM	1	0	23.20	22.18	22.28	22.32
		1	13	23.20	22.24	22.19	22.21
		1	24	23.20	22.18	22.26	22.08
		12	0	22.20	21.08	21.27	21.16
		12	6	22.20	21.20	21.08	21.09
		12	13	22.20	21.07	21.08	21.13
		25	0	22.20	21.16	21.12	21.11
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20000CH	Channel 20175CH	Channel 20350CH
10MHz	QPSK	1	0	25.20	24.30	24.16	24.16
		1	25	25.20	24.31	24.18	24.12
		1	49	25.20	24.27	24.12	24.14
		25	0	24.20	23.28	23.18	23.15
		25	13	24.20	23.22	23.18	23.17
		25	25	24.20	23.23	23.18	23.17
		50	0	24.20	23.02	23.13	23.14
	16QAM	1	0	24.20	23.10	23.23	23.22
		1	25	24.20	22.99	23.13	23.21
		1	49	24.20	22.99	23.22	23.20
		25	0	23.20	22.17	22.11	22.09
		25	13	23.20	22.17	22.15	22.09
		25	25	23.20	22.18	22.13	22.07
		50	0	23.20	22.07	22.09	22.05
	64QAM	1	0	23.20	22.56	22.33	22.13
		1	25	23.20	22.31	22.42	22.42
		1	49	23.20	22.31	22.32	22.34
		25	0	22.20	21.01	21.18	21.10
		25	13	22.20	21.04	21.16	21.14
		25	25	22.20	21.07	21.19	21.11
		50	0	22.20	20.99	21.07	21.11

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20025CH	20175CH	20325CH
15MHz	QPSK	1	0	25.20	24.10	24.16	24.09
		1	38	25.20	24.10	24.16	24.11
		1	74	25.20	24.36	24.19	24.15
		36	0	24.20	23.10	23.18	23.20
		36	18	24.20	23.18	23.18	23.20
		36	39	24.20	23.18	23.20	23.20
		75	0	24.20	23.28	23.17	23.17
	16QAM	1	0	24.20	23.13	23.47	23.37
		1	38	24.20	23.09	23.31	23.33
		1	74	24.20	23.23	23.36	23.22
		36	0	23.20	22.09	22.13	22.12
		36	18	23.20	22.05	22.12	22.11
		36	39	23.20	22.08	22.15	22.10
		75	0	23.20	22.07	22.09	22.05
	64QAM	1	0	23.20	22.24	22.13	22.35
		1	38	23.20	22.25	22.26	22.46
		1	74	23.20	22.05	22.11	22.22
		36	0	22.20	21.09	21.10	21.10
		36	18	22.20	21.06	21.18	21.13
		36	39	22.20	21.07	21.11	21.16
		75	0	22.20	21.05	21.09	21.07
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20050CH	20175CH	20300CH
20MHz	QPSK	1	0	25.20	23.88	**23.96**	24.13
		1	50	25.20	**23.92**	23.92	24.13
		1	99	25.20	23.89	23.96	**24.13**
		50	0	24.20	**23.31**	23.16	23.20
		50	25	24.20	23.22	23.16	23.23
		50	50	24.20	23.21	23.15	23.23
		100	0	24.20	22.62	22.78	22.69
	16QAM	1	0	24.20	23.12	23.04	23.25
		1	50	24.20	23.21	23.17	23.33
		1	99	24.20	23.01	23.16	23.30
		50	0	23.20	22.29	22.09	22.11
		50	25	23.20	22.29	22.13	22.12
		50	50	23.20	22.29	22.12	22.18
		100	0	23.20	22.17	22.08	22.26
	64QAM	1	0	23.20	22.00	22.01	22.24
		1	50	23.20	22.07	22.07	22.14
		1	99	23.20	22.02	21.94	22.26
		50	0	22.20	21.34	21.10	21.13
		50	25	22.20	21.27	21.11	21.14
		50	50	22.20	21.31	21.11	21.15
		100	0	22.20	21.16	21.14	21.23

Table 49: Conducted power measurement results of LTE Band 4(Full power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	19957CH	20175CH	20393CH
1.4MHz	QPSK	1	0	22.20	21.08	21.23	21.09
		1	3	22.20	21.07	21.20	21.20
		1	5	22.20	21.08	21.21	21.03
		3	0	22.20	21.03	21.18	21.01
		3	2	22.20	21.15	21.20	21.05
		3	3	22.20	21.02	21.22	21.00
		6	0	22.20	21.01	21.16	21.04
	16QAM	1	0	22.20	21.32	21.13	21.32
		1	3	22.20	21.53	21.25	21.23
		1	5	22.20	21.17	21.23	21.34
		3	0	22.20	21.05	21.06	21.03
		3	2	22.20	21.04	21.28	21.02
		3	3	22.20	21.07	21.22	21.05
		6	0	22.20	21.01	20.99	21.04
	64QAM	1	0	22.20	20.79	21.15	21.46
		1	3	22.20	21.17	21.29	21.32
		1	5	22.20	21.13	21.14	21.29
		3	0	22.20	21.19	21.26	21.16
		3	2	22.20	21.12	21.36	21.06
		3	3	22.20	20.95	21.21	21.13
		6	0	22.20	21.03	21.21	21.12
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	19965CH	20175CH	20385CH
3MHz	QPSK	1	0	22.20	21.09	21.14	21.26
		1	7	22.20	21.10	21.17	21.13
		1	14	22.20	21.15	21.13	21.14
		8	0	22.20	21.11	21.11	21.07
		8	4	22.20	21.08	20.98	21.15
		8	7	22.20	21.12	21.08	21.09
		15	0	22.20	21.15	21.12	21.22
	16QAM	1	0	22.20	21.25	21.53	21.28
		1	7	22.20	21.22	21.19	21.03
		1	14	22.20	21.22	21.22	21.41
		8	0	22.20	21.15	20.98	21.15
		8	4	22.20	21.07	21.23	21.14
		8	7	22.20	21.08	20.99	21.01
		15	0	22.20	21.20	21.14	21.15
	64QAM	1	0	22.20	21.58	21.35	21.26
		1	7	22.20	21.34	21.15	21.07
		1	14	22.20	21.28	21.33	21.23
		8	0	22.20	21.12	21.19	21.08
		8	4	22.20	21.13	21.22	21.26
		8	7	22.20	21.05	21.09	21.13
		15	0	22.20	21.26	21.22	21.11

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 19975CH	Channel 20175CH	Channel 20375CH
5MHz	QPSK	1	0	22.20	21.13	21.20	21.18
		1	13	22.20	21.12	21.17	21.17
		1	24	22.20	21.12	21.19	21.15
		12	0	22.20	21.30	21.21	21.17
		12	6	22.20	21.30	21.18	21.18
		12	13	22.20	21.30	21.20	21.17
		25	0	22.20	21.27	21.09	21.11
	16QAM	1	0	22.20	21.38	21.35	21.48
		1	13	22.20	21.19	21.31	21.32
		1	24	22.20	21.33	21.44	21.29
		12	0	22.20	21.08	21.14	21.14
		12	6	22.20	21.09	21.17	21.09
		12	13	22.20	21.11	21.13	21.10
		25	0	22.20	21.03	21.06	21.09
	64QAM	1	0	22.20	20.91	21.01	21.13
		1	13	22.20	21.07	21.18	21.33
		1	24	22.20	21.08	21.15	21.31
		12	0	22.20	21.31	21.15	21.21
		12	6	22.20	21.12	21.27	21.27
		12	13	22.20	21.20	21.25	21.23
		25	0	22.20	21.23	21.18	21.10
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20000CH	Channel 20175CH	Channel 20350CH
10MHz	QPSK	1	0	22.20	21.16	21.15	21.18
		1	25	22.20	21.14	21.17	21.28
		1	49	22.20	21.28	21.16	21.26
		25	0	22.20	21.17	21.16	21.16
		25	13	22.20	21.16	21.15	21.17
		25	25	22.20	21.10	21.17	21.14
		50	0	22.20	21.06	21.25	21.12
	16QAM	1	0	22.20	21.36	21.32	21.27
		1	25	22.20	21.25	21.07	21.32
		1	49	22.20	21.20	21.16	21.33
		25	0	22.20	21.06	21.11	21.19
		25	13	22.20	21.11	21.10	21.24
		25	25	22.20	21.13	21.04	21.25
		50	0	22.20	20.99	21.05	21.01
	64QAM	1	0	22.20	21.11	21.30	21.25
		1	25	22.20	21.29	21.17	21.37
		1	49	22.20	21.35	21.08	21.22
		25	0	22.20	21.01	21.08	21.11
		25	13	22.20	21.27	21.13	21.18
		25	25	22.20	21.20	21.12	21.17
		50	0	22.20	21.04	21.08	21.09

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20025CH	20175CH	20325CH
15MHz	QPSK	1	0	22.20	21.20	21.30	21.14
		1	38	22.20	21.18	21.29	21.21
		1	74	22.20	21.19	21.31	21.18
		36	0	22.20	21.21	21.19	21.28
		36	18	22.20	21.20	21.20	21.28
		36	39	22.20	21.21	21.19	21.28
		75	0	22.20	21.09	21.18	21.24
	16QAM	1	0	22.20	21.34	21.43	21.33
		1	38	22.20	21.19	21.43	21.17
		1	74	22.20	21.32	21.51	21.23
		36	0	22.20	21.12	21.14	21.08
		36	18	22.20	21.17	21.16	21.10
		36	39	22.20	21.11	21.13	21.18
		75	0	22.20	21.07	21.08	21.06
	64QAM	1	0	22.20	21.44	21.18	21.11
		1	38	22.20	21.31	21.19	21.58
		1	74	22.20	21.01	21.23	21.19
		36	0	22.20	21.10	21.09	21.13
		36	18	22.20	21.12	21.09	21.15
		36	39	22.20	21.08	21.11	21.18
		75	0	22.20	21.23	21.12	21.10
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20050CH	20175CH	20300CH
20MHz	QPSK	1	0	22.20	**20.95**	**20.93**	**21.10**
		1	50	22.20	20.95	20.90	21.10
		1	99	22.20	20.92	20.91	21.09
		50	0	22.20	21.21	21.14	**21.33**
		50	25	22.20	21.30	21.13	21.32
		50	50	22.20	21.21	21.15	21.33
		100	0	22.20	21.16	21.19	21.16
	16QAM	1	0	22.20	21.06	21.19	21.19
		1	50	22.20	21.21	21.10	21.16
		1	99	22.20	21.12	21.22	21.34
		50	0	22.20	21.11	21.09	21.10
		50	25	22.20	21.12	21.11	21.09
		50	50	22.20	21.11	21.10	21.09
		100	0	22.20	21.10	21.24	21.12
	64QAM	1	0	22.20	20.97	21.09	20.99
		1	50	22.20	20.96	20.84	21.05
		1	99	22.20	21.07	20.91	21.18
		50	0	22.20	21.29	21.16	21.19
		50	25	22.20	21.31	21.14	21.17
		50	50	22.20	21.27	21.15	21.19
		100	0	22.20	21.13	21.14	21.24

Table 50: Conducted power measurement results of LTE Band 4(Reduced Power Level D1/D3/D5)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 19957CH	Channel 20175CH	Channel 20393CH
1.4MHz	QPSK	1	0	19.20	18.11	18.24	18.18
		1	3	19.20	18.07	18.23	18.20
		1	5	19.20	18.10	18.31	18.20
		3	0	19.20	18.09	18.21	18.07
		3	2	19.20	18.02	18.02	18.09
		3	3	19.20	18.04	18.04	18.06
		6	0	19.20	17.99	18.24	17.99
	16QAM	1	0	19.20	18.18	18.40	18.18
		1	3	19.20	18.14	18.44	18.27
		1	5	19.20	18.14	18.40	18.13
		3	0	19.20	18.11	18.08	18.01
		3	2	19.20	17.98	17.92	18.21
		3	3	19.20	18.00	18.03	18.05
		6	0	19.20	18.02	18.06	18.04
	64QAM	1	0	19.20	18.21	18.12	18.17
		1	3	19.20	18.03	18.33	18.19
		1	5	19.20	17.97	18.20	18.11
		3	0	19.20	18.08	17.99	17.85
		3	2	19.20	18.04	18.03	18.04
		3	3	19.20	18.21	18.19	18.10
		6	0	19.20	17.97	18.21	18.06
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 19965CH	Channel 20175CH	Channel 20385CH
3MHz	QPSK	1	0	19.20	18.07	18.21	18.05
		1	7	19.20	18.06	18.22	18.03
		1	14	19.20	18.06	18.21	18.06
		8	0	19.20	18.04	18.13	18.10
		8	4	19.20	18.03	18.15	18.03
		8	7	19.20	18.11	18.21	18.08
		15	0	19.20	18.04	18.23	18.13
	16QAM	1	0	19.20	18.19	18.23	18.27
		1	7	19.20	18.21	18.30	18.33
		1	14	19.20	18.22	18.17	18.35
		8	0	19.20	18.02	17.98	17.98
		8	4	19.20	18.00	18.10	18.11
		8	7	19.20	18.01	18.09	18.05
		15	0	19.20	17.99	18.01	17.94
	64QAM	1	0	19.20	18.03	18.19	18.01
		1	7	19.20	18.37	18.31	18.32
		1	14	19.20	18.20	18.15	18.24
		8	0	19.20	17.98	18.11	17.95
		8	4	19.20	18.06	18.09	18.02
		8	7	19.20	18.00	18.09	17.91
		15	0	19.20	18.07	18.20	18.10

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 19975CH	Channel 20175CH	Channel 20375CH
5MHz	QPSK	1	0	19.20	18.07	18.25	18.26
		1	13	19.20	18.07	18.27	18.03
		1	24	19.20	18.06	18.27	18.20
		12	0	19.20	18.08	18.27	18.27
		12	6	19.20	18.10	18.27	18.14
		12	13	19.20	18.09	18.28	18.26
		25	0	19.20	18.23	18.07	18.05
	16QAM	1	0	19.20	18.35	18.49	18.11
		1	13	19.20	18.24	18.39	18.54
		1	24	19.20	18.41	18.45	18.44
		12	0	19.20	18.07	18.24	18.17
		12	6	19.20	18.08	18.28	18.06
		12	13	19.20	18.05	18.24	18.11
		25	0	19.20	18.01	17.94	18.05
	64QAM	1	0	19.20	18.06	18.30	18.32
		1	13	19.20	17.98	18.11	18.45
		1	24	19.20	18.07	18.39	18.24
		12	0	19.20	18.06	18.27	18.09
		12	6	19.20	18.05	18.24	18.13
		12	13	19.20	18.02	18.29	18.08
		25	0	19.20	18.04	18.04	18.04
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20000CH	Channel 20175CH	Channel 20350CH
10MHz	QPSK	1	0	19.20	18.09	18.31	18.24
		1	25	19.20	18.05	18.31	18.23
		1	49	19.20	18.11	18.29	18.24
		25	0	19.20	18.07	18.25	18.25
		25	13	19.20	18.12	18.26	18.22
		25	25	19.20	18.10	18.26	18.24
		50	0	19.20	18.03	18.18	18.10
	16QAM	1	0	19.20	18.21	18.44	18.46
		1	25	19.20	18.09	18.47	18.32
		1	49	19.20	18.13	18.49	18.24
		25	0	19.20	18.00	18.12	18.21
		25	13	19.20	17.99	18.20	18.16
		25	25	19.20	18.03	18.19	18.16
		50	0	19.20	18.03	18.13	18.01
	64QAM	1	0	19.20	18.15	18.25	18.20
		1	25	19.20	18.16	18.39	18.25
		1	49	19.20	18.12	18.39	18.42
		25	0	19.20	18.05	18.15	18.10
		25	13	19.20	18.09	18.17	18.03
		25	25	19.20	18.15	18.16	18.07
		50	0	19.20	18.07	18.13	18.07

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20025CH	20175CH	20325CH
15MHz	QPSK	1	0	19.20	18.10	18.10	18.15
		1	38	19.20	18.12	18.12	18.13
		1	74	19.20	18.12	18.13	18.13
		36	0	19.20	18.16	18.30	18.15
		36	18	19.20	18.16	18.31	18.15
		36	39	19.20	18.17	18.31	18.15
		75	0	19.20	18.08	18.25	18.12
	16QAM	1	0	19.20	18.36	18.23	18.30
		1	38	19.20	18.44	18.33	18.43
		1	74	19.20	18.37	18.45	18.30
		36	0	19.20	18.07	18.23	18.10
		36	18	19.20	18.05	18.25	18.10
		36	39	19.20	18.07	18.24	18.09
		75	0	19.20	18.06	18.04	18.04
	64QAM	1	0	19.20	18.24	18.44	18.36
		1	38	19.20	18.23	18.27	18.27
		1	74	19.20	18.31	18.27	18.25
		36	0	19.20	18.11	18.17	18.17
		36	18	19.20	18.10	18.17	18.18
		36	39	19.20	18.11	18.14	18.16
		75	0	19.20	18.04	18.12	18.09
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20050CH	20175CH	20300CH
20MHz	QPSK	1	0	19.20	17.98	17.88	18.12
		1	50	19.20	18.00	17.87	18.10
		1	99	19.20	17.96	17.88	18.11
		50	0	19.20	18.21	18.30	18.30
		50	25	19.20	18.16	18.27	18.29
		50	50	19.20	18.14	18.30	18.30
		100	0	19.20	18.18	18.14	18.13
	16QAM	1	0	19.20	18.06	18.10	18.16
		1	50	19.20	18.19	18.11	18.25
		1	99	19.20	18.09	17.95	18.19
		50	0	19.20	18.12	18.24	18.24
		50	25	19.20	18.12	18.22	18.22
		50	50	19.20	18.12	18.23	18.22
		100	0	19.20	18.10	18.22	18.11
	64QAM	1	0	19.20	18.01	18.00	18.49
		1	50	19.20	18.04	17.99	18.06
		1	99	19.20	18.01	17.92	18.16
		50	0	19.20	18.16	18.10	18.11
		50	25	19.20	18.17	18.08	18.13
		50	50	19.20	18.15	18.10	18.13
		100	0	19.20	18.10	18.10	18.11

Table 51: Conducted power measurement results of LTE Band 4(Reduced Power Level D4)

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7.1.15 Conducted power measurements of LTE Band 5 (Second Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20407CH	20525CH	20643CH
1.4MHz	QPSK	1	0	24.70	23.53	23.68	23.61
		1	3	24.70	23.56	23.69	23.59
		1	5	24.70	23.57	23.65	23.62
		3	0	24.70	23.45	23.53	23.58
		3	2	24.70	23.50	23.73	23.63
		3	3	24.70	23.52	23.70	23.58
		6	0	23.70	22.41	22.59	22.29
	16QAM	1	0	23.70	22.37	22.62	22.74
		1	3	23.70	22.66	22.75	22.72
		1	5	23.70	22.72	22.78	22.62
		3	0	23.70	22.55	22.68	22.76
		3	2	23.70	22.49	22.62	22.71
		3	3	23.70	22.60	22.72	22.71
		6	0	22.70	21.43	21.57	21.56
	64QAM	1	0	22.70	21.75	21.96	21.56
		1	3	22.70	21.68	21.77	21.77
		1	5	22.70	21.69	21.88	21.72
		3	0	22.70	21.58	21.62	21.76
		3	2	22.70	21.52	21.73	21.82
		3	3	22.70	21.58	21.65	21.79
		6	0	21.70	20.61	20.77	20.72
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20415CH	20525CH	20635CH
3MHz	QPSK	1	0	24.70	23.54	23.65	23.64
		1	7	24.70	23.51	23.65	23.67
		1	14	24.70	23.48	23.67	23.69
		8	0	23.70	22.75	22.72	22.66
		8	4	23.70	22.60	22.64	22.81
		8	7	23.70	22.76	22.63	22.55
		15	0	23.70	22.53	22.82	22.68
	16QAM	1	0	23.70	22.55	22.73	22.77
		1	7	23.70	22.71	23.02	22.85
		1	14	23.70	22.77	23.00	22.72
		8	0	22.70	21.48	21.61	21.59
		8	4	22.70	21.60	21.73	21.54
		8	7	22.70	21.55	21.74	21.86
		15	0	22.70	21.44	21.62	21.59
	64QAM	1	0	22.70	21.65	21.86	21.98
		1	7	22.70	21.61	21.89	22.03
		1	14	22.70	21.68	21.84	22.13
		8	0	21.70	20.70	20.63	20.62
		8	4	21.70	20.62	20.68	20.81
		8	7	21.70	20.64	20.70	20.50
		15	0	21.70	20.53	20.59	20.80

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20425CH	Channel 20525CH	Channel 20625CH
5MHz	QPSK	1	0	24.70	23.57	23.67	23.53
		1	13	24.70	23.56	23.66	23.79
		1	24	24.70	23.55	23.69	23.80
		12	0	23.70	22.58	22.79	22.75
		12	6	23.70	22.81	22.75	22.59
		12	13	23.70	22.79	22.74	22.74
		25	0	23.70	22.51	22.79	22.72
	16QAM	1	0	23.70	22.68	22.95	22.69
		1	13	23.70	22.77	22.88	22.65
		1	24	23.70	22.84	22.84	22.87
		12	0	22.70	21.79	21.71	21.56
		12	6	22.70	21.57	21.71	21.61
		12	13	22.70	21.63	21.74	21.74
		25	0	22.70	21.66	21.75	21.79
	64QAM	1	0	22.70	21.95	21.67	21.62
		1	13	22.70	21.68	21.93	21.83
		1	24	22.70	21.75	22.06	21.64
		12	0	21.70	20.62	20.81	20.74
		12	6	21.70	20.62	20.74	20.71
		12	13	21.70	20.63	20.84	20.64
		25	0	21.70	20.55	20.81	20.79
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20450CH	Channel 20525CH	Channel 20600CH
10MHz	QPSK	1	0	24.70	**23.61**	**23.67**	**23.87**
		1	25	24.70	23.29	23.32	23.32
		1	49	24.70	23.60	23.58	23.66
		25	0	23.70	22.51	22.69	**22.85**
		25	13	23.70	22.70	22.66	22.67
		25	25	23.70	22.68	22.66	22.72
		50	0	23.70	22.53	22.82	22.89
	16QAM	1	0	23.70	22.65	22.96	22.73
		1	25	23.70	22.63	23.00	22.90
		1	49	23.70	22.62	23.18	22.91
		25	0	22.70	21.75	21.71	21.78
		25	13	22.70	21.61	21.63	21.55
		25	25	22.70	21.58	21.58	21.64
		50	0	22.70	21.49	21.77	21.85
	64QAM	1	0	22.70	21.73	21.95	21.77
		1	25	22.70	21.65	21.98	21.74
		1	49	22.70	21.73	21.94	21.88
		25	0	21.70	20.74	20.90	20.71
		25	13	21.70	20.81	20.67	20.81
		25	25	21.70	20.76	20.65	20.80
		50	0	21.70	20.57	20.82	20.61

Table 52: Conducted power measurement results of LTE Band 5(Full Power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20407CH	20525CH	20643CH
1.4MHz	QPSK	1	0	18.70	17.78	17.84	17.87
		1	3	18.70	17.80	17.86	17.88
		1	5	18.70	17.78	17.87	17.88
		3	0	18.70	17.48	17.64	17.62
		3	2	18.70	17.50	17.73	17.65
		3	3	18.70	17.74	17.68	17.67
		6	0	18.70	17.47	17.61	17.53
	16QAM	1	0	18.70	17.82	17.96	17.94
		1	3	18.70	17.80	17.93	17.96
		1	5	18.70	17.92	18.01	17.73
		3	0	18.70	17.72	17.60	17.53
		3	2	18.70	17.49	17.85	17.74
		3	3	18.70	17.57	17.66	17.67
		6	0	18.70	17.57	17.56	17.83
	64QAM	1	0	18.70	17.83	17.96	17.92
		1	3	18.70	17.85	17.88	18.06
		1	5	18.70	17.95	17.76	17.96
		3	0	18.70	17.77	17.84	17.82
		3	2	18.70	17.85	17.95	17.76
		3	3	18.70	17.75	17.78	17.73
		6	0	18.70	17.62	17.62	17.55
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20415CH	20525CH	20635CH
3MHz	QPSK	1	0	18.70	17.71	17.83	17.65
		1	7	18.70	17.74	17.92	17.66
		1	14	18.70	17.77	17.92	17.66
		8	0	18.70	17.59	17.64	17.59
		8	4	18.70	17.52	17.85	17.73
		8	7	18.70	17.61	17.81	17.81
		15	0	18.70	17.75	17.73	17.87
	16QAM	1	0	18.70	17.96	18.03	17.80
		1	7	18.70	17.93	18.12	17.67
		1	14	18.70	17.83	18.00	17.84
		8	0	18.70	17.40	17.76	17.70
		8	4	18.70	17.64	17.65	17.63
		8	7	18.70	17.45	17.53	17.60
		15	0	18.70	17.61	17.76	17.77
	64QAM	1	0	18.70	17.94	17.99	17.77
		1	7	18.70	17.96	17.98	17.78
		1	14	18.70	17.93	17.89	17.75
		8	0	18.70	17.50	17.74	17.82
		8	4	18.70	17.75	17.72	17.53
		8	7	18.70	17.71	17.74	17.80
		15	0	18.70	17.67	17.71	17.87

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20425CH	20525CH	20625CH
5MHz	QPSK	1	0	18.70	17.87	17.89	17.66
		1	13	18.70	17.83	17.89	17.75
		1	24	18.70	17.84	17.93	17.77
		12	0	18.70	17.79	17.90	17.71
		12	6	18.70	17.69	17.89	17.85
		12	13	18.70	17.68	17.92	17.73
		25	0	18.70	17.76	17.66	17.63
	16QAM	1	0	18.70	17.99	18.09	17.91
		1	13	18.70	18.05	17.97	17.73
		1	24	18.70	17.95	18.04	17.88
		12	0	18.70	17.56	17.85	17.71
		12	6	18.70	17.78	17.88	17.79
		12	13	18.70	17.78	17.88	17.90
		25	0	18.70	17.76	17.85	17.62
	64QAM	1	0	18.70	17.96	17.72	17.90
		1	13	18.70	18.09	17.87	17.83
		1	24	18.70	18.02	17.89	17.75
		12	0	18.70	17.79	17.90	17.79
		12	6	18.70	17.83	17.84	17.81
		12	13	18.70	17.82	17.93	17.87
		25	0	18.70	17.66	17.61	17.64
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20450CH	20525CH	20600CH
10MHz	QPSK	1	0	18.70	**17.77**	17.63	**17.71**
		1	25	18.70	17.55	17.61	17.59
		1	49	18.70	17.60	**17.71**	17.70
		25	0	18.70	17.75	17.69	17.62
		25	13	18.70	17.62	17.75	17.60
		25	25	18.70	**17.77**	17.76	17.64
		50	0	18.70	17.73	17.70	17.82
	16QAM	1	0	18.70	17.97	17.94	17.89
		1	25	18.70	17.90	18.07	17.87
		1	49	18.70	18.10	17.99	17.81
		25	0	18.70	17.85	17.88	17.78
		25	13	18.70	17.77	17.81	17.76
		25	25	18.70	17.76	17.75	17.82
		50	0	18.70	17.60	17.61	17.66
	64QAM	1	0	18.70	17.93	17.97	17.95
		1	25	18.70	17.97	17.86	17.75
		1	49	18.70	17.91	17.83	17.80
		25	0	18.70	17.84	17.69	17.79
		25	13	18.70	17.78	17.80	17.81
		25	25	18.70	17.81	17.79	17.86
		50	0	18.70	17.64	17.64	17.70

Table 53: Conducted power measurement results of LTE Band 5(Reduced Power Level D1)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20407CH	Channel 20525CH	Channel 20643CH
1.4MHz	QPSK	1	0	15.20	14.18	14.33	14.24
		1	3	15.20	14.24	14.30	14.22
		1	5	15.20	14.19	14.32	14.20
		3	0	15.20	14.14	14.28	14.24
		3	2	15.20	14.15	14.20	14.15
		3	3	15.20	14.14	14.20	14.16
		6	0	15.20	14.09	14.10	14.28
	16QAM	1	0	15.20	14.37	14.33	14.43
		1	3	15.20	14.36	14.39	14.37
		1	5	15.20	14.34	14.39	14.37
		3	0	15.20	14.17	14.25	14.28
		3	2	15.20	14.16	14.39	14.26
		3	3	15.20	14.21	14.22	14.19
		6	0	15.20	14.06	14.12	14.16
	64QAM	1	0	15.20	14.25	14.29	14.22
		1	3	15.20	14.45	14.48	14.35
		1	5	15.20	14.17	14.32	14.23
		3	0	15.20	13.97	14.19	14.21
		3	2	15.20	14.20	14.24	14.21
		3	3	15.20	14.14	14.27	14.43
		6	0	15.20	14.04	14.15	14.19
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20415CH	Channel 20525CH	Channel 20635CH
3MHz	QPSK	1	0	15.20	14.18	14.20	14.26
		1	7	15.20	14.21	14.20	14.32
		1	14	15.20	14.19	14.23	14.25
		8	0	15.20	14.03	14.31	14.17
		8	4	15.20	14.17	14.27	14.21
		8	7	15.20	14.11	14.28	14.05
		15	0	15.20	14.15	14.20	14.27
	16QAM	1	0	15.20	14.24	14.32	14.42
		1	7	15.20	14.24	14.37	14.44
		1	14	15.20	14.22	14.38	14.36
		8	0	15.20	14.09	14.23	14.10
		8	4	15.20	14.09	14.15	14.27
		8	7	15.20	14.05	14.21	14.14
		15	0	15.20	14.11	14.11	14.21
	64QAM	1	0	15.20	14.34	14.31	14.47
		1	7	15.20	14.13	14.28	14.33
		1	14	15.20	14.04	14.34	14.32
		8	0	15.20	14.06	14.16	14.07
		8	4	15.20	13.94	14.29	14.16
		8	7	15.20	14.13	14.24	14.14
		15	0	15.20	14.23	14.30	14.32

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20425CH	20525CH	20625CH
5MHz	QPSK	1	0	15.20	14.31	14.33	14.35
		1	13	15.20	14.26	14.35	14.34
		1	24	15.20	14.24	14.31	14.22
		12	0	15.20	14.25	14.35	14.35
		12	6	15.20	14.26	14.36	14.36
		12	13	15.20	14.25	14.38	14.36
		25	0	15.20	14.21	14.16	14.33
	16QAM	1	0	15.20	14.40	14.45	14.50
		1	13	15.20	14.47	14.40	14.37
		1	24	15.20	14.40	14.33	14.52
		12	0	15.20	14.16	14.36	14.31
		12	6	15.20	14.11	14.42	14.29
		12	13	15.20	14.19	14.31	14.29
		25	0	15.20	14.10	14.20	14.14
	64QAM	1	0	15.20	14.39	14.31	14.39
		1	13	15.20	14.27	14.22	14.24
		1	24	15.20	14.21	14.41	14.30
		12	0	15.20	14.22	14.35	14.29
		12	6	15.20	14.14	14.29	14.36
		12	13	15.20	14.20	14.38	14.28
		25	0	15.20	14.14	14.15	14.19
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20450CH	20525CH	20600CH
10MHz	QPSK	1	0	15.20	14.25	14.32	14.34
		1	25	15.20	14.26	14.30	14.36
		1	49	15.20	14.24	14.28	14.30
		25	0	15.20	14.28	14.35	14.30
		25	13	15.20	14.29	14.33	14.30
		25	25	15.20	14.26	14.35	14.31
		50	0	15.20	14.18	14.24	14.24
	16QAM	1	0	15.20	14.24	14.22	14.55
		1	25	15.20	14.26	14.46	14.43
		1	49	15.20	14.48	14.47	14.33
		25	0	15.20	14.11	14.27	14.16
		25	13	15.20	14.10	14.25	14.17
		25	25	15.20	14.09	14.25	14.19
		50	0	15.20	14.12	14.16	14.17
	64QAM	1	0	15.20	14.23	14.54	14.29
		1	25	15.20	14.17	14.49	14.50
		1	49	15.20	14.30	14.43	14.39
		25	0	15.20	14.19	14.33	14.22
		25	13	15.20	14.12	14.28	14.20
		25	25	15.20	14.08	14.32	14.24
		50	0	15.20	14.23	14.14	14.30

Table 54: Conducted power measurement results of LTE Band 5(Reduced Power Level D3)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20407CH	20525CH	20643CH
1.4MHz	QPSK	1	0	21.20	20.29	20.25	20.16
		1	3	21.20	20.23	20.28	20.20
		1	5	21.20	20.04	20.31	20.19
		3	0	21.20	20.06	20.12	20.22
		3	2	21.20	20.10	20.14	20.20
		3	3	21.20	20.15	20.08	20.17
		6	0	21.20	20.05	20.03	20.24
	16QAM	1	0	21.20	20.06	20.33	20.28
		1	3	21.20	20.03	20.25	20.10
		1	5	21.20	19.93	20.42	20.15
		3	0	21.20	20.15	20.07	20.05
		3	2	21.20	20.17	20.18	20.08
		3	3	21.20	20.16	20.10	20.23
		6	0	21.20	20.05	20.14	19.87
	64QAM	1	0	21.20	19.99	20.30	20.23
		1	3	21.20	20.03	20.26	20.10
		1	5	21.20	20.08	20.35	20.17
		3	0	21.20	20.10	20.12	20.11
		3	2	21.20	20.23	20.11	20.18
		3	3	21.20	20.27	20.18	20.17
		6	0	21.20	20.24	20.18	20.09
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20415CH	20525CH	20635CH
3MHz	QPSK	1	0	21.20	20.04	20.15	20.16
		1	7	21.20	20.04	20.16	20.16
		1	14	21.20	20.05	20.12	20.14
		8	0	21.20	20.11	20.12	20.15
		8	4	21.20	20.10	20.14	20.16
		8	7	21.20	20.06	20.15	20.12
		15	0	21.20	20.09	20.16	20.14
	16QAM	1	0	21.20	20.22	20.00	20.16
		1	7	21.20	20.12	20.22	20.19
		1	14	21.20	20.21	20.14	20.38
		8	0	21.20	20.11	20.08	20.13
		8	4	21.20	20.13	20.09	20.15
		8	7	21.20	20.04	20.13	20.15
		15	0	21.20	20.06	20.08	20.04
	64QAM	1	0	21.20	20.13	20.24	20.16
		1	7	21.20	20.15	20.40	20.21
		1	14	21.20	20.15	20.40	20.20
		8	0	21.20	20.15	20.07	20.07
		8	4	21.20	20.21	20.09	20.06
		8	7	21.20	20.05	20.11	20.00
		15	0	21.20	20.13	20.14	20.10

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20425CH	20525CH	20625CH
5MHz	QPSK	1	0	21.20	20.12	20.20	20.15
		1	13	21.20	20.10	20.18	20.18
		1	24	21.20	20.12	20.16	20.18
		12	0	21.20	20.16	20.31	20.40
		12	6	21.20	20.08	20.30	20.35
		12	13	21.20	20.16	20.22	20.39
		25	0	21.20	20.09	20.14	20.19
	16QAM	1	0	21.20	20.24	20.48	20.53
		1	13	21.20	20.20	20.61	20.32
		1	24	21.20	20.28	20.23	20.39
		12	0	21.20	20.18	20.18	20.34
		12	6	21.20	20.20	20.24	20.37
		12	13	21.20	20.18	20.22	20.35
		25	0	21.20	19.99	20.12	20.11
	64QAM	1	0	21.20	20.20	20.26	20.50
		1	13	21.20	20.19	20.13	20.20
		1	24	21.20	20.06	20.50	20.31
		12	0	21.20	20.26	20.14	20.13
		12	6	21.20	20.24	20.14	20.39
		12	13	21.20	20.20	20.21	20.18
		25	0	21.20	20.09	20.19	20.15
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20450CH	20525CH	20600CH
10MHz	QPSK	1	0	21.20	20.24	**20.33**	20.15
		1	25	21.20	19.77	19.94	20.01
		1	49	21.20	20.14	20.24	20.14
		25	0	21.20	20.10	**20.22**	**20.33**
		25	13	21.20	**20.11**	20.21	20.32
		25	25	21.20	20.07	20.21	20.21
		50	0	21.20	20.13	20.16	20.29
	16QAM	1	0	21.20	20.14	20.26	20.31
		1	25	21.20	20.24	20.05	20.17
		1	49	21.20	20.28	20.13	20.21
		25	0	21.20	19.96	20.14	20.17
		25	13	21.20	20.00	20.14	20.15
		25	25	21.20	19.97	20.13	20.16
		50	0	21.20	19.97	20.11	20.10
	64QAM	1	0	21.20	20.26	20.02	20.45
		1	25	21.20	20.49	20.11	20.26
		1	49	21.20	20.37	20.14	20.14
		25	0	21.20	20.01	20.17	20.17
		25	13	21.20	19.99	20.12	20.04
		25	25	21.20	20.06	20.17	20.08
		50	0	21.20	20.25	20.15	20.13

Table 55: Conducted power measurement results of LTE Band 5(Reduced Power Level D2)

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7.1.16 Conducted power measurements of LTE Band 5 (Main Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20407CH	20525CH	20643CH
1.4MHz	QPSK	1	0	25.00	23.73	23.73	23.89
		1	3	25.00	23.75	23.76	23.94
		1	5	25.00	23.78	23.70	23.66
		3	0	25.00	23.67	23.72	23.64
		3	2	25.00	23.61	23.76	23.63
		3	3	25.00	23.62	23.72	23.67
		6	0	24.00	22.74	22.84	22.78
	16QAM	1	0	24.00	22.95	22.97	23.05
		1	3	24.00	22.67	22.82	22.83
		1	5	24.00	22.66	22.83	22.99
		3	0	24.00	22.76	22.63	22.62
		3	2	24.00	22.72	22.79	23.00
		3	3	24.00	22.70	22.72	22.67
		6	0	23.00	21.61	21.97	21.65
	64QAM	1	0	23.00	21.90	22.01	22.24
		1	3	23.00	21.95	21.74	21.91
		1	5	23.00	22.02	21.72	21.95
		3	0	23.00	21.61	21.73	21.97
		3	2	23.00	21.64	21.84	21.99
		3	3	23.00	21.68	21.70	21.91
		6	0	22.00	20.86	20.61	20.59
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20415CH	20525CH	20635CH
3MHz	QPSK	1	0	25.00	23.91	23.91	23.90
		1	7	25.00	23.88	23.96	23.87
		1	14	25.00	23.65	23.94	23.93
		8	0	24.00	22.70	22.78	22.91
		8	4	24.00	22.79	22.69	22.91
		8	7	24.00	22.85	22.79	22.89
		15	0	24.00	22.94	22.94	22.89
	16QAM	1	0	24.00	22.77	22.90	23.06
		1	7	24.00	22.90	23.01	22.87
		1	14	24.00	22.87	22.92	22.92
		8	0	23.00	21.83	21.88	21.67
		8	4	23.00	21.80	21.74	21.65
		8	7	23.00	21.77	21.58	21.64
		15	0	23.00	21.72	21.84	21.85
	64QAM	1	0	23.00	21.90	21.84	21.80
		1	7	23.00	21.96	21.98	21.80
		1	14	23.00	21.85	21.95	21.89
		8	0	22.00	20.80	20.68	20.68
		8	4	22.00	20.73	20.74	20.69
		8	7	22.00	20.80	20.76	20.61
		15	0	22.00	20.93	20.97	20.96

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20425CH	20525CH	20625CH
5MHz	QPSK	1	0	25.00	23.92	23.90	23.78
		1	13	25.00	23.94	23.93	23.87
		1	24	25.00	23.91	23.92	23.88
		12	0	24.00	22.74	22.97	22.71
		12	6	24.00	22.79	22.86	22.82
		12	13	24.00	22.78	22.87	22.82
		25	0	24.00	22.63	22.95	22.88
	16QAM	1	0	24.00	22.92	23.09	22.95
		1	13	24.00	23.07	23.21	23.10
		1	24	24.00	23.08	23.22	22.95
		12	0	23.00	21.78	21.88	21.66
		12	6	23.00	21.77	21.88	21.78
		12	13	23.00	21.81	21.83	21.66
		25	0	23.00	21.73	21.89	21.66
	64QAM	1	0	23.00	21.89	22.15	21.69
		1	13	23.00	21.82	21.73	21.77
		1	24	23.00	21.80	22.07	21.77
		12	0	22.00	20.72	20.85	20.85
		12	6	22.00	20.74	20.87	20.77
		12	13	22.00	20.76	20.84	20.79
		25	0	22.00	20.78	20.66	20.71
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20450CH	20525CH	20600CH
10MHz	QPSK	1	0	25.00	**23.78**	**23.92**	23.80
		1	25	25.00	23.77	23.90	**23.90**
		1	49	25.00	23.77	23.90	23.82
		25	0	24.00	22.78	22.71	22.82
		25	13	24.00	22.77	22.84	**22.96**
		25	25	24.00	22.80	22.73	22.69
		50	0	24.00	22.69	22.93	22.94
	16QAM	1	0	24.00	22.91	22.69	22.85
		1	25	24.00	22.98	22.86	23.10
		1	49	24.00	22.84	22.86	23.09
		25	0	23.00	21.69	21.65	21.68
		25	13	23.00	21.74	21.71	21.70
		25	25	23.00	21.75	21.68	21.69
		50	0	23.00	21.61	21.90	21.89
	64QAM	1	0	23.00	22.03	22.11	21.88
		1	25	23.00	22.07	22.13	21.66
		1	49	23.00	22.08	22.15	21.77
		25	0	22.00	20.94	20.82	20.94
		25	13	22.00	20.90	20.79	20.82
		25	25	22.00	20.95	20.76	20.72
		50	0	22.00	20.67	20.68	20.95

Table 56: Conducted power measurement results of LTE Band 5(Full Power)

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7.1.17 Conducted power measurements of LTE Band 7 (Second Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20775CH	21100CH	21425CH
5MHz	QPSK	1	0	20.20	19.27	19.57	19.46
		1	13	20.20	19.26	19.59	19.47
		1	24	20.20	19.37	19.58	19.46
		12	0	20.20	19.29	19.58	19.45
		12	6	20.20	19.27	19.57	19.64
		12	13	20.20	19.29	19.53	19.45
		25	0	20.20	19.22	19.46	19.49
	16QAM	1	0	20.20	19.44	19.71	19.59
		1	13	20.20	19.38	19.61	19.74
		1	24	20.20	19.43	19.58	19.63
		12	0	20.20	19.28	19.52	19.63
		12	6	20.20	19.24	19.48	19.35
		12	13	20.20	19.26	19.51	19.40
		25	0	20.20	19.23	19.41	19.51
	64QAM	1	0	20.20	19.49	19.57	19.54
		1	13	20.20	19.31	19.38	19.51
		1	24	20.20	19.51	19.56	19.59
		12	0	20.20	19.27	19.53	19.43
		12	6	20.20	19.32	19.55	19.50
		12	13	20.20	19.29	19.53	19.60
		25	0	20.20	19.18	19.43	19.35
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20800CH	21100CH	21400CH
10MHz	QPSK	1	0	20.20	19.35	19.50	19.71
		1	25	20.20	19.35	19.52	19.71
		1	49	20.20	19.35	19.48	19.74
		25	0	20.20	19.33	19.53	19.69
		25	13	20.20	19.34	19.53	19.70
		25	25	20.20	19.33	19.54	19.68
		50	0	20.20	19.25	19.49	19.43
	16QAM	1	0	20.20	19.28	19.63	19.77
		1	25	20.20	19.31	19.59	19.93
		1	49	20.20	19.49	19.47	19.90
		25	0	20.20	19.27	19.49	19.58
		25	13	20.20	19.35	19.47	19.50
		25	25	20.20	19.34	19.47	19.52
		50	0	20.20	19.27	19.42	19.34
	64QAM	1	0	20.20	19.39	19.68	19.72
		1	25	20.20	19.62	19.49	19.98
		1	49	20.20	19.42	19.58	19.88
		25	0	20.20	19.30	19.57	19.59
		25	13	20.20	19.32	19.49	19.65
		25	25	20.20	19.29	19.48	19.55
		50	0	20.20	19.20	19.50	19.42

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20825CH	21100CH	21375CH
15MHz	QPSK	1	0	20.20	19.38	19.65	19.64
		1	38	20.20	19.36	19.69	19.74
		1	74	20.20	19.37	19.68	19.78
		36	0	20.20	19.41	19.66	19.75
		36	18	20.20	19.41	19.66	19.75
		36	39	20.20	19.40	19.66	19.73
		75	0	20.20	19.41	19.55	19.47
	16QAM	1	0	20.20	19.51	19.94	19.99
		1	38	20.20	19.50	19.89	19.95
		1	74	20.20	19.52	19.73	19.95
		36	0	20.20	19.41	19.63	19.72
		36	18	20.20	19.44	19.62	19.69
		36	39	20.20	19.42	19.62	19.70
		75	0	20.20	19.17	19.44	19.60
	64QAM	1	0	20.20	19.53	19.68	19.90
		1	38	20.20	19.35	19.62	19.55
		1	74	20.20	19.53	19.56	19.80
		36	0	20.20	19.41	19.62	19.61
		36	18	20.20	19.42	19.63	19.63
		36	39	20.20	19.40	19.64	19.59
		75	0	20.20	19.37	19.50	19.48
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20850CH	21100CH	21350CH
20MHz	QPSK	1	0	20.20	19.29	**19.51**	19.45
		1	50	20.20	19.30	19.49	19.45
		1	99	20.20	19.32	19.51	19.48
		50	0	20.20	19.49	19.71	**19.77**
		50	25	20.20	19.48	19.71	19.76
		50	50	20.20	**19.53**	**19.72**	19.76
		100	0	20.20	19.47	19.60	19.73
	16QAM	1	0	20.20	19.38	19.73	19.76
		1	50	20.20	19.29	19.70	19.65
		1	99	20.20	19.45	19.62	19.63
		50	0	20.20	19.41	19.67	19.74
		50	25	20.20	19.43	19.69	19.70
		50	50	20.20	19.44	19.67	19.69
		100	0	20.20	19.22	19.49	19.65
	64QAM	1	0	20.20	19.43	19.57	19.77
		1	50	20.20	19.39	19.33	19.59
		1	99	20.20	19.25	19.65	19.42
		50	0	20.20	19.43	19.67	19.62
		50	25	20.20	19.44	19.70	19.60
		50	50	20.20	19.44	19.68	19.59
		100	0	20.20	19.41	19.54	19.57

Table 57: Conducted power measurement results of LTE Band 7(Full Power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20775CH	Channel 21100CH	Channel 21425CH
5MHz	QPSK	1	0	13.70	12.78	13.00	13.07
		1	13	13.70	12.81	13.02	13.10
		1	24	13.70	12.80	13.06	13.14
		12	0	13.70	12.82	13.06	13.05
		12	6	13.70	12.81	13.08	13.05
		12	13	13.70	12.84	13.05	13.04
		25	0	13.70	12.88	12.99	13.04
	16QAM	1	0	13.70	13.11	13.08	13.11
		1	13	13.70	13.00	13.34	13.19
		1	24	13.70	13.05	13.13	13.12
		12	0	13.70	12.83	13.02	13.00
		12	6	13.70	12.80	13.04	13.01
		12	13	13.70	12.84	13.05	12.97
		25	0	13.70	12.74	13.03	13.00
	64QAM	1	0	13.70	12.82	13.05	13.25
		1	13	13.70	12.86	13.11	13.19
		1	24	13.70	12.87	13.29	13.06
		12	0	13.70	12.86	12.97	13.13
		12	6	13.70	12.94	13.03	13.03
		12	13	13.70	12.87	13.03	13.12
		25	0	13.70	12.76	12.98	13.03
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20800CH	Channel 21100CH	Channel 21400CH
10MHz	QPSK	1	0	13.70	12.85	13.13	13.17
		1	25	13.70	12.88	13.12	13.21
		1	49	13.70	12.84	13.15	13.22
		25	0	13.70	12.79	13.08	13.02
		25	13	13.70	12.80	13.08	13.04
		25	25	13.70	12.81	13.07	13.03
		50	0	13.70	12.75	13.02	13.10
	16QAM	1	0	13.70	13.01	13.42	13.19
		1	25	13.70	12.95	13.31	13.35
		1	49	13.70	12.97	13.23	13.34
		25	0	13.70	12.81	13.09	12.97
		25	13	13.70	12.80	13.05	12.96
		25	25	13.70	12.78	13.08	12.96
		50	0	13.70	12.73	12.98	13.03
	64QAM	1	0	13.70	13.05	13.25	13.13
		1	25	13.70	13.03	13.30	13.06
		1	49	13.70	13.06	13.19	13.09
		25	0	13.70	12.91	13.11	13.09
		25	13	13.70	12.97	13.09	12.99
		25	25	13.70	12.94	13.12	13.10
		50	0	13.70	12.85	12.97	13.06

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20825CH	21100CH	21375CH
15MHz	QPSK	1	0	13.70	12.99	13.24	13.31
		1	38	13.70	12.97	13.24	13.22
		1	74	13.70	13.04	13.22	13.30
		36	0	13.70	12.94	13.27	13.33
		36	18	13.70	12.95	13.26	13.34
		36	39	13.70	12.92	13.28	13.30
		75	0	13.70	12.91	13.19	13.21
	16QAM	1	0	13.70	13.01	13.19	13.37
		1	38	13.70	12.91	13.31	13.11
		1	74	13.70	13.04	13.29	13.32
		36	0	13.70	12.88	13.11	13.24
		36	18	13.70	12.90	13.11	13.22
		36	39	13.70	12.90	13.13	13.22
		75	0	13.70	12.87	12.98	12.95
	64QAM	1	0	13.70	12.73	13.34	13.27
		1	38	13.70	12.89	13.15	13.12
		1	74	13.70	12.80	13.19	13.11
		36	0	13.70	12.98	13.16	13.20
		36	18	13.70	13.01	13.20	13.26
		36	39	13.70	12.99	13.15	13.23
		75	0	13.70	12.72	13.03	12.97
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20850CH	21100CH	21350CH
20MHz	QPSK	1	0	13.70	**12.65**	12.82	**12.85**
		1	50	13.70	12.45	**12.95**	12.63
		1	99	13.70	12.56	12.61	12.48
		50	0	13.70	12.74	12.97	13.05
		50	25	13.70	12.68	**13.00**	12.98
		50	50	13.70	12.79	12.88	12.96
		100	0	13.70	12.84	13.00	13.00
	16QAM	1	0	13.70	12.71	13.14	13.19
		1	50	13.70	12.72	12.96	13.15
		1	99	13.70	12.73	13.25	13.14
		50	0	13.70	12.91	13.09	13.16
		50	25	13.70	12.91	13.13	13.18
		50	50	13.70	12.94	13.10	13.13
		100	0	13.70	12.95	13.05	13.01
	64QAM	1	0	13.70	12.78	12.95	13.11
		1	50	13.70	12.86	13.21	13.10
		1	99	13.70	12.66	13.23	13.14
		50	0	13.70	12.96	13.19	13.23
		50	25	13.70	12.94	13.19	13.23
		50	50	13.70	12.94	13.14	13.22
		100	0	13.70	12.83	13.09	13.07

Table 58: Conducted power measurement results of LTE Band 7(Reduced Power Level D1)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20775CH	21100CH	21425CH
5MHz	QPSK	1	0	11.70	11.00	11.04	11.06
		1	13	11.70	10.99	11.06	11.01
		1	24	11.70	11.02	11.07	11.00
		12	0	11.70	10.97	11.00	11.15
		12	6	11.70	10.97	11.00	11.14
		12	13	11.70	11.01	11.01	11.15
		25	0	11.70	10.91	11.09	11.04
	16QAM	1	0	11.70	11.08	11.25	10.98
		1	13	11.70	11.09	11.20	11.19
		1	24	11.70	11.14	11.39	11.13
		12	0	11.70	11.00	11.00	11.13
		12	6	11.70	10.95	10.98	11.09
		12	13	11.70	10.93	11.00	11.03
		25	0	11.70	10.91	11.08	10.97
	64QAM	1	0	11.70	11.13	11.17	11.11
		1	13	11.70	11.08	10.96	11.22
		1	24	11.70	10.98	11.03	11.01
		12	0	11.70	10.99	11.01	11.07
		12	6	11.70	10.98	10.98	11.13
		12	13	11.70	10.91	10.99	11.17
		25	0	11.70	10.92	10.94	10.92
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20800CH	21100CH	21400CH
10MHz	QPSK	1	0	11.70	10.93	11.14	11.16
		1	25	11.70	10.96	11.15	11.18
		1	49	11.70	10.95	11.16	11.19
		25	0	11.70	10.87	11.13	11.14
		25	13	11.70	10.87	11.11	11.13
		25	25	11.70	10.87	11.13	11.12
		50	0	11.70	10.98	11.05	11.04
	16QAM	1	0	11.70	11.02	11.20	11.33
		1	25	11.70	11.10	11.34	11.26
		1	49	11.70	11.00	11.17	11.23
		25	0	11.70	10.92	11.10	11.03
		25	13	11.70	10.95	11.02	11.05
		25	25	11.70	10.95	11.04	11.09
		50	0	11.70	10.92	10.91	10.88
	64QAM	1	0	11.70	11.07	11.25	11.12
		1	25	11.70	11.09	11.02	11.21
		1	49	11.70	11.02	11.11	11.24
		25	0	11.70	10.86	11.12	11.09
		25	13	11.70	10.88	11.14	11.10
		25	25	11.70	10.87	11.08	11.06
		50	0	11.70	10.80	10.95	10.94

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20825CH	21100CH	21375CH
15MHz	QPSK	1	0	11.70	10.97	11.20	11.16
		1	38	11.70	11.00	11.13	11.17
		1	74	11.70	10.99	11.18	11.16
		36	0	11.70	11.05	11.15	11.30
		36	18	11.70	11.01	11.17	11.13
		36	39	11.70	10.92	11.17	11.27
		75	0	11.70	11.00	11.09	11.01
	16QAM	1	0	11.70	11.09	11.22	11.09
		1	38	11.70	10.91	11.16	11.31
		1	74	11.70	11.10	11.29	11.33
		36	0	11.70	10.98	11.10	11.21
		36	18	11.70	11.00	11.13	11.20
		36	39	11.70	10.97	11.15	11.20
		75	0	11.70	10.93	11.08	10.92
	64QAM	1	0	11.70	10.91	11.15	11.14
		1	38	11.70	11.02	11.19	11.25
		1	74	11.70	11.06	11.34	11.04
		36	0	11.70	10.82	11.16	11.01
		36	18	11.70	10.83	11.15	11.03
		36	39	11.70	10.85	11.07	11.00
		75	0	11.70	10.98	11.13	11.09
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20850CH	21100CH	21350CH
20MHz	QPSK	1	0	11.70	10.70	10.90	10.91
		1	50	11.70	10.80	10.91	10.95
		1	99	11.70	10.83	10.91	10.95
		50	0	11.70	11.02	11.19	11.27
		50	25	11.70	10.90	11.22	11.26
		50	50	11.70	10.90	11.17	11.25
		100	0	11.70	11.07	11.16	11.07
	16QAM	1	0	11.70	10.88	10.95	11.03
		1	50	11.70	10.78	11.04	10.89
		1	99	11.70	10.72	11.14	10.97
		50	0	11.70	10.97	11.15	11.17
		50	25	11.70	10.95	11.15	11.15
		50	50	11.70	10.97	11.14	11.18
		100	0	11.70	11.00	11.10	10.99
	64QAM	1	0	11.70	10.96	11.04	10.96
		1	50	11.70	11.01	11.10	11.09
		1	99	11.70	10.74	11.12	10.85
		50	0	11.70	10.98	11.17	11.09
		50	25	11.70	10.98	11.16	11.25
		50	50	11.70	10.95	11.16	11.23
		100	0	11.70	11.02	11.16	11.19

Table 59: Conducted power measurement results of LTE Band 7(Reduced Power Level D3)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20775CH	21100CH	21425CH
5MHz	QPSK	1	0	17.70	17.09	17.28	17.16
		1	13	17.70	17.08	17.30	17.19
		1	24	17.70	17.11	17.27	17.18
		12	0	17.70	17.07	17.25	17.19
		12	6	17.70	17.06	17.24	17.22
		12	13	17.70	17.07	17.23	17.19
		25	0	17.70	17.11	17.18	17.24
	16QAM	1	0	17.70	17.35	17.37	17.44
		1	13	17.70	17.31	17.35	17.39
		1	24	17.70	17.14	17.35	17.46
		12	0	17.70	17.06	17.13	17.17
		12	6	17.70	17.03	17.19	17.14
		12	13	17.70	17.04	17.19	17.11
		25	0	17.70	16.99	17.13	17.24
	64QAM	1	0	17.70	17.25	17.16	17.22
		1	13	17.70	16.99	17.42	17.20
		1	24	17.70	17.13	17.19	17.23
		12	0	17.70	17.00	17.24	17.15
		12	6	17.70	17.08	17.22	17.17
		12	13	17.70	17.07	17.21	17.24
		25	0	17.70	16.95	17.16	17.17
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20800CH	21100CH	21400CH
10MHz	QPSK	1	0	17.70	17.01	17.41	17.31
		1	25	17.70	17.09	17.33	17.26
		1	49	17.70	17.07	17.37	17.29
		25	0	17.70	17.13	17.29	17.21
		25	13	17.70	17.13	17.28	17.21
		25	25	17.70	17.13	17.28	17.21
		50	0	17.70	17.10	17.19	17.14
	16QAM	1	0	17.70	17.23	17.43	17.39
		1	25	17.70	17.14	17.40	17.39
		1	49	17.70	17.14	17.41	17.38
		25	0	17.70	17.09	17.19	17.12
		25	13	17.70	17.06	17.22	17.10
		25	25	17.70	17.07	17.22	17.13
		50	0	17.70	17.02	17.13	17.22
	64QAM	1	0	17.70	17.14	17.22	17.45
		1	25	17.70	17.15	17.50	17.36
		1	49	17.70	17.29	17.34	17.36
		25	0	17.70	17.08	17.23	17.18
		25	13	17.70	17.11	17.21	17.19
		25	25	17.70	17.11	17.22	17.17
		50	0	17.70	17.05	17.17	17.19

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20825CH	21100CH	21375CH
15MHz	QPSK	1	0	17.70	17.08	17.40	17.31
		1	38	17.70	17.06	17.35	17.29
		1	74	17.70	17.05	17.36	17.31
		36	0	17.70	17.20	17.34	17.28
		36	18	17.70	17.20	17.34	17.29
		36	39	17.70	17.20	17.34	17.28
		75	0	17.70	17.07	17.23	17.18
	16QAM	1	0	17.70	17.48	17.47	17.37
		1	38	17.70	17.22	17.46	17.44
		1	74	17.70	17.36	17.44	17.42
		36	0	17.70	17.14	17.25	17.39
		36	18	17.70	17.14	17.25	17.37
		36	39	17.70	17.13	17.27	17.39
		75	0	17.70	17.13	17.15	17.12
	64QAM	1	0	17.70	17.20	17.46	17.33
		1	38	17.70	17.25	17.58	17.36
		1	74	17.70	17.46	17.33	17.51
		36	0	17.70	17.13	17.25	17.25
		36	18	17.70	17.15	17.25	17.26
		36	39	17.70	17.13	17.25	17.21
		75	0	17.70	17.14	17.18	17.31
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20850CH	21100CH	21350CH
20MHz	QPSK	1	0	17.70	16.72	16.73	16.81
		1	50	17.70	16.53	16.73	16.81
		1	99	17.70	16.56	16.74	**16.82**
		50	0	17.70	16.93	17.09	17.16
		50	25	17.70	16.93	17.09	17.16
		50	50	17.70	**16.93**	**17.09**	**17.17**
		100	0	17.70	16.94	16.98	16.94
	16QAM	1	0	17.70	16.73	16.84	17.07
		1	50	17.70	16.75	17.00	16.96
		1	99	17.70	16.79	16.86	16.91
		50	0	17.70	16.84	17.01	17.10
		50	25	17.70	16.73	17.00	17.12
		50	50	17.70	16.72	17.03	17.09
		100	0	17.70	16.87	16.88	16.91
	64QAM	1	0	17.70	16.61	16.91	16.89
		1	50	17.70	16.99	16.89	16.92
		1	99	17.70	16.72	16.83	16.90
		50	0	17.70	16.87	17.03	16.93
		50	25	17.70	16.76	17.02	17.05
		50	50	17.70	16.71	17.03	17.01
		100	0	17.70	16.88	16.94	16.99

Table 60: Conducted power measurement results of LTE Band 7(Reduced Power Level D2)

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7.1.18 Conducted power measurements of LTE Band 7 (Main Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20775CH	21100CH	21425CH
5MHz	QPSK	1	0	24.70	23.57	23.79	23.55
		1	13	24.70	23.54	23.80	23.55
		1	24	24.70	23.58	23.77	23.68
		12	0	23.70	22.61	22.78	22.62
		12	6	23.70	22.60	22.80	22.59
		12	13	23.70	22.58	22.80	22.86
		25	0	23.70	22.60	22.60	22.61
	16QAM	1	0	23.70	22.72	22.70	22.92
		1	13	23.70	22.69	22.78	22.77
		1	24	23.70	22.63	22.87	22.77
		12	0	22.70	21.57	21.71	21.76
		12	6	22.70	21.58	21.80	21.84
		12	13	22.70	21.53	21.72	21.82
		25	0	22.70	21.65	21.59	21.77
	64QAM	1	0	22.70	21.69	21.94	21.82
		1	13	22.70	21.83	21.95	21.74
		1	24	22.70	21.66	21.87	21.80
		12	0	21.70	20.62	20.79	20.84
		12	6	21.70	20.53	20.77	20.93
		12	13	21.70	20.56	20.73	20.74
		25	0	21.70	20.47	20.59	20.79
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20800CH	21100CH	21400CH
10MHz	QPSK	1	0	24.70	23.60	23.76	23.76
		1	25	24.70	23.59	23.82	23.76
		1	49	24.70	23.58	23.76	23.73
		25	0	23.70	22.54	22.81	22.74
		25	13	23.70	22.54	22.80	22.74
		25	25	23.70	22.65	22.82	22.74
		50	0	23.70	22.61	22.78	22.65
	16QAM	1	0	23.70	22.84	22.78	22.86
		1	25	23.70	22.67	23.04	22.95
		1	49	23.70	22.59	22.89	22.95
		25	0	22.70	21.56	21.75	21.67
		25	13	22.70	21.60	21.74	21.69
		25	25	22.70	21.56	21.73	21.65
		50	0	22.70	21.50	21.67	21.63
	64QAM	1	0	22.70	21.79	21.85	22.04
		1	25	22.70	21.95	21.92	21.80
		1	49	22.70	21.79	21.73	21.80
		25	0	21.70	20.65	20.73	20.71
		25	13	21.70	20.62	20.76	20.71
		25	25	21.70	20.63	20.78	20.70
		50	0	21.70	20.53	20.73	20.67

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20825CH	21100CH	21375CH
15MHz	QPSK	1	0	24.70	23.62	23.87	23.84
		1	38	24.70	23.64	23.88	23.81
		1	74	24.70	23.66	23.84	23.82
		36	0	23.70	22.69	22.87	22.81
		36	18	23.70	22.69	22.82	22.83
		36	39	23.70	22.69	22.86	22.83
		75	0	23.70	22.60	22.78	22.67
	16QAM	1	0	23.70	22.58	23.02	22.85
		1	38	23.70	22.72	22.96	22.98
		1	74	23.70	22.93	22.77	23.01
		36	0	22.70	21.61	21.79	21.76
		36	18	22.70	21.63	21.77	21.76
		36	39	22.70	21.63	21.81	21.75
		75	0	22.70	21.46	21.68	21.60
	64QAM	1	0	22.70	21.70	21.95	22.03
		1	38	22.70	21.72	22.05	22.04
		1	74	22.70	21.87	22.03	21.88
		36	0	21.70	20.65	20.80	20.77
		36	18	21.70	20.65	20.77	20.79
		36	39	21.70	20.62	20.83	20.76
		75	0	21.70	20.50	20.71	20.67
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20850CH	21100CH	21350CH
20MHz	QPSK	1	0	24.70	23.52	**23.73**	23.83
		1	50	24.70	**23.59**	23.72	**23.85**
		1	99	24.70	23.56	23.72	23.79
		50	0	23.70	22.75	22.92	22.84
		50	25	23.70	22.74	**22.94**	22.80
		50	50	23.70	22.74	22.93	22.80
		100	0	23.70	22.78	22.85	22.75
	16QAM	1	0	23.70	22.80	22.76	23.02
		1	50	23.70	22.81	22.84	23.03
		1	99	23.70	22.85	22.77	23.08
		50	0	22.70	21.74	21.87	21.73
		50	25	22.70	21.72	21.85	21.75
		50	50	22.70	21.75	21.87	21.73
		100	0	22.70	21.72	21.76	21.67
	64QAM	1	0	22.70	21.62	21.81	21.81
		1	50	22.70	21.73	21.81	21.77
		1	99	22.70	21.62	21.89	21.75
		50	0	21.70	20.75	20.86	20.80
		50	25	21.70	20.78	20.85	20.78
		50	50	21.70	20.77	20.89	20.76
		100	0	21.70	20.76	20.77	20.73

Table 61: Conducted power measurement results of LTE Band 7(Full power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20775CH	21100CH	21425CH
5MHz	QPSK	1	0	20.70	19.64	19.83	19.86
		1	13	20.70	19.59	19.82	19.72
		1	24	20.70	19.61	19.81	19.89
		12	0	20.70	19.59	19.83	19.81
		12	6	20.70	19.59	19.83	19.80
		12	13	20.70	19.66	19.83	19.79
		25	0	20.70	19.51	19.67	19.83
	16QAM	1	0	20.70	19.98	20.06	19.82
		1	13	20.70	19.72	19.95	20.24
		1	24	20.70	19.89	19.90	20.00
		12	0	20.70	19.65	19.78	19.76
		12	6	20.70	19.55	19.78	19.71
		12	13	20.70	19.62	19.80	19.68
		25	0	20.70	19.57	19.59	19.77
	64QAM	1	0	20.70	19.68	19.80	19.88
		1	13	20.70	19.74	19.86	19.77
		1	24	20.70	19.46	19.87	19.84
		12	0	20.70	19.67	19.83	19.74
		12	6	20.70	19.62	19.81	19.74
		12	13	20.70	19.65	19.78	19.76
		25	0	20.70	19.49	19.65	19.60
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20800CH	21100CH	21400CH
10MHz	QPSK	1	0	20.70	19.74	19.82	19.90
		1	25	20.70	19.72	19.79	19.87
		1	49	20.70	19.70	19.82	19.87
		25	0	20.70	19.66	19.78	19.90
		25	13	20.70	19.66	19.78	19.90
		25	25	20.70	19.67	19.80	19.91
		50	0	20.70	19.58	19.74	19.72
	16QAM	1	0	20.70	19.80	19.92	20.05
		1	25	20.70	19.59	19.97	19.97
		1	49	20.70	19.77	20.10	20.03
		25	0	20.70	19.57	19.73	19.83
		25	13	20.70	19.53	19.79	19.84
		25	25	20.70	19.55	19.74	19.78
		50	0	20.70	19.49	19.67	19.64
	64QAM	1	0	20.70	19.83	19.83	20.09
		1	25	20.70	19.78	19.82	19.84
		1	49	20.70	19.60	19.83	19.92
		25	0	20.70	19.63	19.77	19.85
		25	13	20.70	19.61	19.75	19.85
		25	25	20.70	19.55	19.75	19.87
		50	0	20.70	19.53	19.73	19.72

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20825CH	21100CH	21375CH
15MHz	QPSK	1	0	20.70	19.73	19.82	19.84
		1	38	20.70	19.72	19.83	19.84
		1	74	20.70	19.76	19.82	19.81
		36	0	20.70	19.71	19.87	19.86
		36	18	20.70	19.71	19.86	19.85
		36	39	20.70	19.71	19.87	19.87
		75	0	20.70	19.57	19.77	19.78
	16QAM	1	0	20.70	19.85	20.03	19.79
		1	38	20.70	19.69	19.96	19.93
		1	74	20.70	19.85	20.00	19.80
		36	0	20.70	19.64	19.80	19.77
		36	18	20.70	19.64	19.79	19.79
		36	39	20.70	19.66	19.75	19.79
		75	0	20.70	19.47	19.70	19.71
	64QAM	1	0	20.70	19.64	20.06	19.90
		1	38	20.70	19.85	19.90	19.81
		1	74	20.70	19.68	20.04	19.97
		36	0	20.70	19.70	19.84	19.84
		36	18	20.70	19.70	19.81	19.80
		36	39	20.70	19.71	19.83	19.85
		75	0	20.70	19.52	19.70	19.75
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20850CH	21100CH	21350CH
20MHz	QPSK	1	0	20.70	19.56	19.68	19.77
		1	50	20.70	19.53	19.65	19.77
		1	99	20.70	19.54	19.66	19.80
		50	0	20.70	19.66	19.87	19.86
		50	25	20.70	19.66	19.87	19.87
		50	50	20.70	19.66	19.88	19.87
		100	0	20.70	19.65	19.78	19.81
	16QAM	1	0	20.70	19.63	19.71	20.06
		1	50	20.70	19.68	19.82	20.14
		1	99	20.70	19.74	19.81	20.01
		50	0	20.70	19.60	19.80	19.81
		50	25	20.70	19.59	19.80	19.79
		50	50	20.70	19.59	19.78	19.80
		100	0	20.70	19.57	19.71	19.80
	64QAM	1	0	20.70	19.62	19.43	19.86
		1	50	20.70	19.49	19.66	19.89
		1	99	20.70	19.74	20.00	19.83
		50	0	20.70	19.63	19.85	19.83
		50	25	20.70	19.63	19.83	19.83
		50	50	20.70	19.63	19.87	19.82
		100	0	20.70	19.62	19.72	19.79

Table 62: Conducted power measurement results of LTE Band 7(Reduced Power Level D1)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20775CH	21100CH	21425CH
5MHz	QPSK	1	0	22.20	21.23	21.32	21.38
		1	13	22.20	21.23	21.33	21.40
		1	24	22.20	21.21	21.28	21.39
		12	0	22.20	21.18	21.32	21.23
		12	6	22.20	21.18	21.35	21.32
		12	13	22.20	21.17	21.33	21.32
		25	0	22.20	21.12	21.10	21.22
	16QAM	1	0	22.20	21.25	21.42	21.35
		1	13	22.20	21.24	21.25	21.61
		1	24	22.20	21.37	21.50	21.51
		12	0	22.20	21.15	21.34	21.28
		12	6	22.20	21.19	21.29	21.24
		12	13	22.20	21.15	21.31	21.25
		25	0	22.20	21.17	21.05	21.11
	64QAM	1	0	22.20	21.33	21.41	21.49
		1	13	22.20	21.14	21.23	21.23
		1	24	22.20	21.37	21.53	21.26
		12	0	21.70	20.67	20.79	20.65
		12	6	21.70	20.70	20.84	20.67
		12	13	21.70	20.70	20.82	20.65
		25	0	21.70	20.61	20.56	20.61
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20800CH	21100CH	21400CH
10MHz	QPSK	1	0	22.20	21.20	21.29	21.45
		1	25	22.20	21.21	21.28	21.43
		1	49	22.20	21.32	21.23	21.46
		25	0	22.20	21.18	21.33	21.42
		25	13	22.20	21.16	21.32	21.40
		25	25	22.20	21.16	21.30	21.42
		50	0	22.20	21.12	21.22	21.18
	16QAM	1	0	22.20	21.24	21.33	21.64
		1	25	22.20	21.34	21.21	21.67
		1	49	22.20	21.46	21.58	21.52
		25	0	22.20	21.10	21.30	21.34
		25	13	22.20	21.13	21.28	21.39
		25	25	22.20	21.19	21.30	21.36
		50	0	22.20	21.10	21.25	21.22
	64QAM	1	0	22.20	21.24	21.32	21.55
		1	25	22.20	21.34	21.53	21.56
		1	49	22.20	21.13	21.33	21.35
		25	0	21.70	20.65	20.80	20.78
		25	13	21.70	20.66	20.81	20.77
		25	25	21.70	20.61	20.82	20.77
		50	0	21.70	20.58	20.76	20.70

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20825CH	21100CH	21375CH
15MHz	QPSK	1	0	22.20	21.25	21.39	21.38
		1	38	22.20	21.24	21.36	21.39
		1	74	22.20	21.23	21.35	21.38
		36	0	22.20	21.32	21.39	21.34
		36	18	22.20	21.32	21.41	21.34
		36	39	22.20	21.32	21.41	21.34
		75	0	22.20	21.17	21.32	21.36
	16QAM	1	0	22.20	21.47	21.42	21.51
		1	38	22.20	21.31	21.48	21.51
		1	74	22.20	21.50	21.37	21.60
		36	0	22.20	21.22	21.32	21.31
		36	18	22.20	21.19	21.36	21.30
		36	39	22.20	21.23	21.35	21.33
		75	0	22.20	21.06	21.22	21.29
	64QAM	1	0	22.20	21.45	21.35	21.32
		1	38	22.20	21.32	21.21	21.55
		1	74	22.20	21.36	21.75	21.41
		36	0	21.70	20.69	20.86	20.98
		36	18	21.70	20.62	20.85	21.02
		36	39	21.70	20.73	20.87	20.98
		75	0	21.70	20.59	20.75	20.71
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20850CH	21100CH	21350CH
20MHz	QPSK	1	0	22.20	21.04	21.20	21.22
		1	50	22.20	21.04	21.18	21.25
		1	99	22.20	21.09	21.16	**21.28**
		50	0	22.20	21.22	21.40	21.38
		50	25	22.20	21.22	21.40	21.38
		50	50	22.20	**21.23**	**21.41**	**21.39**
		100	0	22.20	21.23	21.32	21.32
	16QAM	1	0	22.20	21.28	21.41	21.46
		1	50	22.20	21.32	21.38	21.44
		1	99	22.20	21.12	21.39	21.54
		50	0	22.20	21.12	21.36	21.31
		50	25	22.20	21.15	21.31	21.31
		50	50	22.20	21.14	21.33	21.31
		100	0	22.20	21.13	21.20	21.27
	64QAM	1	0	22.20	20.96	21.33	21.29
		1	50	22.20	21.06	21.33	21.31
		1	99	22.20	21.14	21.32	21.33
		50	0	21.70	20.70	20.87	20.99
		50	25	21.70	20.67	20.84	20.98
		50	50	21.70	20.66	20.86	20.98
		100	0	21.70	20.66	20.75	20.90

Table 63: Conducted power measurement results of LTE Band 7(Reduced Power Level D2/D3)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20775CH	Channel 21100CH	Channel 21425CH
5MHz	QPSK	1	0	18.20	17.42	17.36	17.35
		1	13	18.20	17.37	17.35	17.37
		1	24	18.20	17.28	17.33	17.35
		12	0	18.20	17.38	17.23	17.30
		12	6	18.20	17.42	17.21	17.43
		12	13	18.20	17.39	17.21	17.44
		25	0	18.20	17.36	17.17	17.22
	16QAM	1	0	18.20	17.39	17.32	17.49
		1	13	18.20	17.52	17.27	17.40
		1	24	18.20	17.36	17.31	17.30
		12	0	18.20	17.32	17.36	17.35
		12	6	18.20	17.32	17.36	17.34
		12	13	18.20	17.35	17.32	17.37
		25	0	18.20	17.13	17.13	17.14
	64QAM	1	0	18.20	17.41	17.32	17.43
		1	13	18.20	17.36	17.27	17.28
		1	24	18.20	17.36	17.26	17.29
		12	0	18.20	17.24	17.32	17.29
		12	6	18.20	17.28	17.32	17.24
		12	13	18.20	17.24	17.34	17.25
		25	0	18.20	17.15	17.14	17.19
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20800CH	Channel 21100CH	Channel 21400CH
10MHz	QPSK	1	0	18.20	17.37	17.35	17.38
		1	25	18.20	17.30	17.31	17.40
		1	49	18.20	17.34	17.20	17.42
		25	0	18.20	17.32	17.18	17.30
		25	13	18.20	17.33	17.35	17.40
		25	25	18.20	17.34	17.18	17.40
		50	0	18.20	17.25	17.16	17.28
	16QAM	1	0	18.20	17.51	17.53	17.55
		1	25	18.20	17.34	17.31	17.41
		1	49	18.20	17.33	17.34	17.36
		25	0	18.20	17.26	17.26	17.20
		25	13	18.20	17.27	17.24	17.22
		25	25	18.20	17.29	17.23	17.22
		50	0	18.20	17.06	17.15	17.29
	64QAM	1	0	18.20	17.30	17.27	17.40
		1	25	18.20	17.32	17.40	17.39
		1	49	18.20	17.44	17.27	17.32
		25	0	18.20	17.20	17.28	17.25
		25	13	18.20	17.20	17.28	17.23
		25	25	18.20	17.17	17.12	17.23
		50	0	18.20	17.09	17.17	17.21

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20825CH	Channel 21100CH	Channel 21375CH
15MHz	QPSK	1	0	18.20	17.38	17.31	17.48
		1	38	18.20	17.36	17.32	17.51
		1	74	18.20	17.37	17.31	17.53
		36	0	18.20	17.37	17.25	17.45
		36	18	18.20	17.35	17.25	17.44
		36	39	18.20	17.38	17.25	17.44
		75	0	18.20	17.17	17.24	17.28
	16QAM	1	0	18.20	17.52	17.42	17.60
		1	38	18.20	17.60	17.44	17.54
		1	74	18.20	17.50	17.43	17.44
		36	0	18.20	17.31	17.33	17.28
		36	18	18.20	17.29	17.30	17.27
		36	39	18.20	17.34	17.26	17.24
		75	0	18.20	17.17	17.15	17.25
	64QAM	1	0	18.20	17.41	17.30	17.45
		1	38	18.20	17.48	17.34	17.46
		1	74	18.20	17.23	17.24	17.55
		36	0	18.20	17.23	17.26	17.39
		36	18	18.20	17.24	17.31	17.33
		36	39	18.20	17.29	17.31	17.32
		75	0	18.20	17.17	17.16	17.25
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 20850CH	Channel 21100CH	Channel 21350CH
20MHz	QPSK	1	0	18.20	17.14	17.12	17.23
		1	50	18.20	17.21	17.10	17.22
		1	99	18.20	17.20	17.14	17.20
		50	0	18.20	17.37	17.29	17.43
		50	25	18.20	17.36	17.26	17.43
		50	50	18.20	17.37	17.23	17.53
		100	0	18.20	17.34	17.24	17.35
	16QAM	1	0	18.20	17.38	17.17	17.33
		1	50	18.20	17.23	17.25	17.36
		1	99	18.20	17.41	17.09	17.35
		50	0	18.20	17.29	17.31	17.32
		50	25	18.20	17.30	17.32	17.30
		50	50	18.20	17.29	17.33	17.30
		100	0	18.20	17.12	17.23	17.28
	64QAM	1	0	18.20	17.41	17.25	17.23
		1	50	18.20	17.28	17.12	17.47
		1	99	18.20	17.27	17.15	17.15
		50	0	18.20	17.18	17.33	17.35
		50	25	18.20	17.23	17.32	17.32
		50	50	18.20	17.17	17.32	17.34
		100	0	18.20	17.14	17.23	17.28

Table 64: Conducted power measurement results of LTE Band 7(Reduced Power Level D4)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20775CH	21100CH	21425CH
5MHz	QPSK	1	0	19.70	18.63	18.81	18.69
		1	13	19.70	18.69	18.79	18.83
		1	24	19.70	18.61	18.79	18.84
		12	0	19.70	18.67	18.83	18.75
		12	6	19.70	18.66	18.79	18.77
		12	13	19.70	18.63	18.81	18.74
		25	0	19.70	18.55	18.66	18.78
	16QAM	1	0	19.70	18.95	19.08	18.85
		1	13	19.70	18.94	18.81	18.85
		1	24	19.70	18.86	18.89	19.05
		12	0	19.70	18.62	18.81	18.79
		12	6	19.70	18.62	18.81	18.81
		12	13	19.70	18.63	18.83	18.80
		25	0	19.70	18.68	18.74	18.77
	64QAM	1	0	19.70	18.73	18.88	18.75
		1	13	19.70	18.87	18.85	19.01
		1	24	19.70	18.61	18.87	18.92
		12	0	19.70	18.67	18.79	18.77
		12	6	19.70	18.67	18.80	18.79
		12	13	19.70	18.66	18.88	18.71
		25	0	19.70	18.60	18.73	18.70
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20800CH	21100CH	21400CH
10MHz	QPSK	1	0	19.70	18.73	18.84	18.84
		1	25	19.70	18.78	18.81	18.82
		1	49	19.70	18.73	18.67	18.83
		25	0	19.70	18.67	18.80	18.86
		25	13	19.70	18.67	18.83	18.90
		25	25	19.70	18.67	18.81	18.89
		50	0	19.70	18.71	18.74	18.73
	16QAM	1	0	19.70	18.67	18.91	18.99
		1	25	19.70	18.77	18.90	18.96
		1	49	19.70	18.85	18.84	19.10
		25	0	19.70	18.57	18.74	18.83
		25	13	19.70	18.58	18.77	18.78
		25	25	19.70	18.59	18.74	18.80
		50	0	19.70	18.51	18.61	18.66
	64QAM	1	0	19.70	18.86	18.74	18.89
		1	25	19.70	18.80	18.93	19.06
		1	49	19.70	18.80	18.90	18.78
		25	0	19.70	18.64	18.71	18.84
		25	13	19.70	18.62	18.73	18.84
		25	25	19.70	18.64	18.77	18.87
		50	0	19.70	18.56	18.63	18.71

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20825CH	21100CH	21375CH
15MHz	QPSK	1	0	19.70	18.78	18.84	18.84
		1	38	19.70	18.74	18.87	18.82
		1	74	19.70	18.74	18.85	18.84
		36	0	19.70	18.70	18.84	18.87
		36	18	19.70	18.70	18.85	18.87
		36	39	19.70	18.69	18.85	18.86
		75	0	19.70	18.59	18.74	18.77
	16QAM	1	0	19.70	18.72	18.91	19.18
		1	38	19.70	18.79	18.92	18.92
		1	74	19.70	18.93	18.83	18.86
		36	0	19.70	18.64	18.78	18.80
		36	18	19.70	18.64	18.77	18.77
		36	39	19.70	18.62	18.76	18.77
		75	0	19.70	18.55	18.67	18.71
	64QAM	1	0	19.70	18.64	18.69	18.85
		1	38	19.70	18.76	18.96	18.75
		1	74	19.70	18.62	18.71	18.84
		36	0	19.70	18.67	18.78	18.80
		36	18	19.70	18.67	18.81	18.86
		36	39	19.70	18.70	18.81	18.79
		75	0	19.70	18.53	18.69	18.74
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20850CH	21100CH	21350CH
20MHz	QPSK	1	0	19.70	18.68	18.72	18.77
		1	50	19.70	18.67	18.68	18.73
		1	99	19.70	18.65	18.71	18.75
		50	0	19.70	18.71	18.89	18.87
		50	25	19.70	18.71	18.88	18.86
		50	50	19.70	18.70	18.88	18.87
		100	0	19.70	18.69	18.77	18.81
	16QAM	1	0	19.70	18.91	18.88	18.98
		1	50	19.70	18.82	18.79	18.97
		1	99	19.70	18.91	18.78	18.86
		50	0	19.70	18.64	18.82	18.84
		50	25	19.70	18.66	18.80	18.79
		50	50	19.70	18.63	18.81	18.81
		100	0	19.70	18.60	18.70	18.76
	64QAM	1	0	19.70	18.72	18.51	18.74
		1	50	19.70	18.68	18.68	18.84
		1	99	19.70	18.77	18.56	18.85
		50	0	19.70	18.66	18.81	18.84
		50	25	19.70	18.65	18.84	18.87
		50	50	19.70	18.66	18.83	18.86
		100	0	19.70	18.62	18.71	18.78

Table 65: Conducted power measurement results of LTE Band 7(Reduced Power Level D5)

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7.1.19 Conducted power measurements of LTE Band 12 (Second Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23017CH	23095CH	23173CH
1.4MHz	QPSK	1	0	24.70	23.11	23.71	23.71
		1	3	24.70	23.15	23.72	23.78
		1	5	24.70	23.13	23.73	23.75
		3	0	24.70	23.24	23.63	23.72
		3	2	24.70	23.22	23.68	23.70
		3	3	24.70	23.22	23.60	23.67
		6	0	23.70	22.55	22.66	22.61
	16QAM	1	0	23.70	22.45	22.80	22.66
		1	3	23.70	22.38	22.88	22.86
		1	5	23.70	22.40	22.91	22.82
		3	0	23.70	22.41	22.57	22.62
		3	2	23.70	22.40	22.82	22.89
		3	3	23.70	22.45	22.65	22.70
		6	0	22.70	21.63	21.65	21.77
	64QAM	1	0	22.70	21.51	21.79	21.97
		1	3	22.70	21.68	21.74	21.89
		1	5	22.70	21.73	21.80	21.89
		3	0	22.70	21.55	21.71	21.89
		3	2	22.70	21.57	21.75	21.78
		3	3	22.70	21.49	21.88	21.84
		6	0	21.70	20.66	20.75	20.69
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23025CH	23095CH	23165CH
3MHz	QPSK	1	0	24.70	23.06	23.68	23.61
		1	7	24.70	23.14	23.67	23.56
		1	14	24.70	23.04	23.69	23.54
		8	0	23.70	22.48	22.59	22.62
		8	4	23.70	22.49	22.73	22.75
		8	7	23.70	22.52	22.75	22.69
		15	0	23.70	22.57	22.70	22.70
	16QAM	1	0	23.70	22.43	22.82	23.03
		1	7	23.70	22.26	22.69	22.75
		1	14	23.70	22.39	22.76	22.94
		8	0	22.70	21.50	21.74	21.65
		8	4	22.70	21.67	21.70	21.62
		8	7	22.70	21.61	21.64	21.60
		15	0	22.70	21.59	21.72	21.67
	64QAM	1	0	22.70	21.57	21.79	21.87
		1	7	22.70	21.68	21.72	21.80
		1	14	22.70	21.68	21.79	21.81
		8	0	21.70	20.70	20.86	20.75
		8	4	21.70	20.63	20.81	20.72
		8	7	21.70	20.76	20.65	20.75
		15	0	21.70	20.71	20.75	20.62

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23035CH	23095CH	23155CH
5MHz	QPSK	1	0	24.70	23.16	23.63	23.61
		1	13	24.70	23.16	23.70	23.62
		1	24	24.70	23.14	23.63	23.57
		12	0	23.70	22.70	22.86	22.74
		12	6	23.70	22.64	22.70	22.73
		12	13	23.70	22.65	22.83	22.74
		25	0	23.70	22.65	22.71	22.67
	16QAM	1	0	23.70	22.74	22.73	22.70
		1	13	23.70	22.46	22.88	22.81
		1	24	23.70	22.80	22.91	22.97
		12	0	22.70	21.62	21.80	21.74
		12	6	22.70	21.64	21.80	21.70
		12	13	22.70	21.62	21.80	21.66
		25	0	22.70	21.68	21.73	21.67
	64QAM	1	0	22.70	21.75	21.95	21.76
		1	13	22.70	21.83	21.97	21.84
		1	24	22.70	21.84	21.66	21.85
		12	0	21.70	20.77	20.84	20.71
		12	6	21.70	20.72	20.82	20.71
		12	13	21.70	20.74	20.86	20.76
		25	0	21.70	20.70	20.71	20.62
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23060CH	23095CH	23130CH
10MHz	QPSK	1	0	24.70	23.16	**23.61**	23.60
		1	25	24.70	23.38	23.56	23.64
		1	49	24.70	**23.44**	23.42	**23.69**
		25	0	23.70	22.69	22.86	22.80
		25	13	23.70	22.69	22.85	22.81
		25	25	23.70	22.68	**22.88**	22.72
		50	0	23.70	22.70	22.74	22.74
	16QAM	1	0	23.70	20.99	22.15	22.84
		1	25	23.70	20.98	22.13	22.84
		1	49	23.70	21.08	22.21	22.67
		25	0	22.70	21.69	21.78	21.77
		25	13	22.70	21.66	21.78	21.76
		25	25	22.70	21.66	21.76	21.75
		50	0	22.70	21.73	21.64	21.62
	64QAM	1	0	22.70	20.24	21.13	21.69
		1	25	22.70	20.28	21.19	21.76
		1	49	22.70	20.26	21.40	21.82
		25	0	21.70	20.70	20.79	20.68
		25	13	21.70	20.73	20.85	20.64
		25	25	21.70	20.68	20.83	20.67
		50	0	21.70	20.66	20.74	20.70

Table 66: Conducted power measurement results of LTE Band 12(Full Power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23017CH	23095CH	23173CH
1.4MHz	QPSK	1	0	22.70	21.77	21.62	21.77
		1	3	22.70	21.77	21.77	21.74
		1	5	22.70	21.74	21.63	21.76
		3	0	22.70	21.75	21.62	21.67
		3	2	22.70	21.68	21.73	21.63
		3	3	22.70	21.59	21.67	21.81
		6	0	22.70	21.60	21.77	21.71
	16QAM	1	0	22.70	21.93	21.78	21.91
		1	3	22.70	22.00	21.90	21.74
		1	5	22.70	21.91	21.93	21.96
		3	0	22.70	21.81	21.60	21.75
		3	2	22.70	21.85	21.75	21.74
		3	3	22.70	21.78	21.78	21.76
		6	0	22.70	21.60	21.68	21.73
	64QAM	1	0	22.70	21.49	21.83	21.74
		1	3	22.70	21.65	21.85	21.94
		1	5	22.70	21.61	21.90	21.97
		3	0	22.70	21.76	21.63	21.71
		3	2	22.70	21.55	21.75	21.92
		3	3	22.70	21.61	21.51	21.75
		6	0	21.70	20.64	20.74	20.75
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23025CH	23095CH	23165CH
3MHz	QPSK	1	0	22.70	21.76	21.68	21.80
		1	7	22.70	21.77	21.69	21.69
		1	14	22.70	21.75	21.71	21.76
		8	0	22.70	21.71	21.76	21.77
		8	4	22.70	21.75	21.66	21.73
		8	7	22.70	21.68	21.79	21.68
		15	0	22.70	21.77	21.77	21.74
	16QAM	1	0	22.70	21.79	21.86	21.76
		1	7	22.70	21.70	21.87	21.81
		1	14	22.70	21.74	21.91	21.72
		8	0	22.70	21.49	21.62	21.66
		8	4	22.70	21.65	21.74	21.67
		8	7	22.70	21.67	21.70	21.62
		15	0	22.70	21.60	21.63	21.69
	64QAM	1	0	22.70	21.61	21.71	21.99
		1	7	22.70	21.42	21.85	21.79
		1	14	22.70	21.57	21.81	21.78
		8	0	21.70	20.64	20.66	20.55
		8	4	21.70	20.71	20.71	20.65
		8	7	21.70	20.63	20.58	20.54
		15	0	21.70	20.64	20.74	20.69

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23035CH	23095CH	23155CH
5MHz	QPSK	1	0	22.70	21.74	21.68	21.77
		1	13	22.70	21.71	21.68	21.71
		1	24	22.70	21.70	21.77	21.81
		12	0	22.70	21.73	21.78	21.75
		12	6	22.70	21.73	21.66	21.80
		12	13	22.70	21.73	21.66	21.73
		25	0	22.70	21.68	21.83	21.64
	16QAM	1	0	22.70	21.87	21.78	21.96
		1	13	22.70	21.90	21.99	21.86
		1	24	22.70	22.02	22.05	21.95
		12	0	22.70	21.68	21.75	21.70
		12	6	22.70	21.68	21.87	21.72
		12	13	22.70	21.71	21.74	21.76
		25	0	22.70	21.68	21.80	21.70
	64QAM	1	0	22.70	21.96	21.88	21.86
		1	13	22.70	21.92	21.62	21.82
		1	24	22.70	21.50	21.69	21.67
		12	0	21.70	20.74	20.67	20.74
		12	6	21.70	20.75	20.86	20.75
		12	13	21.70	20.75	20.66	20.74
		25	0	21.70	20.66	20.66	20.69
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23060CH	23095CH	23130CH
10MHz	QPSK	1	0	22.70	21.71	**21.91**	21.89
		1	25	22.70	21.68	21.80	21.89
		1	49	22.70	**21.72**	21.74	**21.90**
		25	0	22.70	21.73	**21.87**	21.80
		25	13	22.70	21.74	21.83	21.80
		25	25	22.70	21.72	21.86	21.81
		50	0	22.70	21.70	21.69	21.71
	16QAM	1	0	22.70	21.14	21.71	21.82
		1	25	22.70	21.12	21.86	21.88
		1	49	22.70	21.12	21.77	21.92
		25	0	22.70	21.65	21.79	21.80
		25	13	22.70	21.65	21.82	21.75
		25	25	22.70	21.67	21.78	21.77
		50	0	22.70	21.58	21.62	21.60
	64QAM	1	0	22.70	20.20	21.31	21.76
		1	25	22.70	20.25	21.23	21.79
		1	49	22.70	20.40	21.37	21.76
		25	0	21.70	20.70	20.81	20.66
		25	13	21.70	20.71	20.83	20.70
		25	25	21.70	20.75	20.84	20.70
		50	0	21.70	20.66	20.76	20.70

Table 67: Conducted power measurement results of LTE Band 12(Reduced Power Level D1)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23017CH	23095CH	23173CH
1.4MHz	QPSK	1	0	21.20	20.32	20.30	20.38
		1	3	21.20	20.18	20.08	20.11
		1	5	21.20	20.34	20.21	20.26
		3	0	21.20	20.37	20.38	20.40
		3	2	21.20	20.31	20.21	20.35
		3	3	21.20	20.26	20.28	20.39
		6	0	21.20	20.23	20.29	20.36
	16QAM	1	0	21.20	20.49	20.52	20.63
		1	3	21.20	20.45	20.28	20.40
		1	5	21.20	20.48	20.39	20.53
		3	0	21.20	20.24	20.29	20.38
		3	2	21.20	20.28	20.20	20.28
		3	3	21.20	20.24	20.26	20.24
		6	0	21.20	20.17	20.32	20.31
	64QAM	1	0	21.20	20.36	20.46	20.59
		1	3	21.20	20.08	20.24	20.23
		1	5	21.20	20.55	20.34	20.55
		3	0	21.20	20.27	20.37	20.41
		3	2	21.20	20.23	20.17	20.29
		3	3	21.20	20.28	20.20	20.17
		6	0	21.20	20.28	20.36	20.37
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23025CH	23095CH	23165CH
3MHz	QPSK	1	0	21.20	20.30	20.27	20.41
		1	7	21.20	20.17	20.09	20.13
		1	14	21.20	20.35	20.20	20.27
		8	0	21.20	20.37	20.40	20.44
		8	4	21.20	20.35	20.24	20.36
		8	7	21.20	20.24	20.27	20.37
		15	0	21.20	20.24	20.28	20.36
	16QAM	1	0	21.20	20.50	20.50	20.60
		1	7	21.20	20.41	20.26	20.38
		1	14	21.20	20.49	20.36	20.56
		8	0	21.20	20.27	20.31	20.39
		8	4	21.20	20.29	20.19	20.26
		8	7	21.20	20.28	20.26	20.25
		15	0	21.20	20.16	20.35	20.33
	64QAM	1	0	21.20	20.39	20.47	20.57
		1	7	21.20	20.08	20.24	20.23
		1	14	21.20	20.53	20.34	20.59
		8	0	21.20	20.29	20.41	20.39
		8	4	21.20	20.23	20.20	20.28
		8	7	21.20	20.29	20.18	20.14
		15	0	21.20	20.24	20.38	20.37

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23035CH	23095CH	23155CH
5MHz	QPSK	1	0	21.20	20.32	20.27	20.38
		1	13	21.20	20.18	20.07	20.11
		1	24	21.20	20.35	20.22	20.29
		12	0	21.20	20.34	20.41	20.41
		12	6	21.20	20.33	20.22	20.37
		12	13	21.20	20.27	20.25	20.37
		25	0	21.20	20.20	20.27	20.36
	16QAM	1	0	21.20	20.49	20.53	20.61
		1	13	21.20	20.41	20.30	20.37
		1	24	21.20	20.50	20.37	20.52
		12	0	21.20	20.25	20.31	20.39
		12	6	21.20	20.31	20.22	20.27
		12	13	21.20	20.28	20.27	20.24
		25	0	21.20	20.17	20.34	20.31
	64QAM	1	0	21.20	20.37	20.46	20.54
		1	13	21.20	20.08	20.23	20.24
		1	24	21.20	20.53	20.38	20.59
		12	0	21.20	20.27	20.40	20.41
		12	6	21.20	20.22	20.19	20.30
		12	13	21.20	20.28	20.17	20.17
		25	0	21.20	20.25	20.36	20.37
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23060CH	23095CH	23130CH
10MHz	QPSK	1	0	21.20	20.27	20.23	20.34
		1	25	21.20	20.13	20.02	20.07
		1	49	21.20	20.29	20.15	20.22
		25	0	21.20	20.30	20.35	20.36
		25	13	21.20	20.28	20.17	20.32
		25	25	21.20	20.21	20.20	20.33
		50	0	21.20	20.17	20.23	20.31
	16QAM	1	0	21.20	20.45	20.46	20.56
		1	25	21.20	20.38	20.22	20.34
		1	49	21.20	20.44	20.32	20.49
		25	0	21.20	20.19	20.24	20.35
		25	13	21.20	20.24	20.15	20.22
		25	25	21.20	20.21	20.20	20.20
		50	0	21.20	20.11	20.28	20.26
	64QAM	1	0	21.20	20.31	20.40	20.51
		1	25	21.20	20.02	20.17	20.17
		1	49	21.20	20.48	20.30	20.52
		25	0	21.20	20.22	20.34	20.35
		25	13	21.20	20.18	20.12	20.24
		25	25	21.20	20.23	20.13	20.10
		50	0	21.20	20.20	20.30	20.31

Table 68: Conducted power measurement results of LTE Band 12(Reduced Power Level D3)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23017CH	23095CH	23173CH
1.4MHz	QPSK	1	0	23.20	22.34	22.65	22.29
		1	3	23.20	22.38	22.87	22.78
		1	5	23.20	22.43	22.31	22.42
		3	0	23.20	22.64	22.36	22.61
		3	2	23.20	22.26	22.43	22.58
		3	3	23.20	22.46	22.47	22.40
		6	0	23.20	22.60	22.52	22.31
	16QAM	1	0	23.20	22.69	22.62	22.53
		1	3	23.20	21.89	22.31	22.13
		1	5	23.20	22.54	22.34	22.64
		3	0	23.20	22.41	22.65	22.21
		3	2	23.20	22.47	22.75	22.73
		3	3	23.20	22.34	22.30	22.50
		6	0	22.70	21.95	21.95	21.73
	64QAM	1	0	22.70	21.70	22.10	21.81
		1	3	22.70	22.16	21.93	21.92
		1	5	22.70	21.64	21.86	22.06
		3	0	22.70	21.99	21.75	21.73
		3	2	22.70	21.98	21.72	21.77
		3	3	22.70	22.05	21.97	22.05
		6	0	22.70	22.00	21.60	22.07
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23025CH	23095CH	23165CH
3MHz	QPSK	1	0	23.20	22.53	22.61	22.47
		1	7	23.20	22.47	22.77	22.88
		1	14	23.20	22.54	22.46	22.52
		8	0	23.20	22.51	22.56	22.41
		8	4	23.20	22.31	22.52	22.50
		8	7	23.20	22.40	22.37	22.46
		15	0	23.20	22.62	22.57	22.48
	16QAM	1	0	23.20	22.57	22.53	22.65
		1	7	23.20	22.06	22.24	22.12
		1	14	23.20	22.69	22.43	22.62
		8	0	22.70	21.99	22.00	21.77
		8	4	22.70	22.04	21.97	21.95
		8	7	22.70	21.87	21.91	22.01
		15	0	22.70	21.85	22.07	21.91
	64QAM	1	0	22.70	21.90	22.00	21.79
		1	7	22.70	22.22	22.11	21.90
		1	14	22.70	21.69	21.82	21.90
		8	0	22.70	21.80	21.88	21.91
		8	4	22.70	21.88	21.92	21.70
		8	7	22.70	22.19	21.85	21.86
		15	0	22.70	21.97	21.72	22.12

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23035CH	23095CH	23155CH
5MHz	QPSK	1	0	23.20	22.51	22.44	22.48
		1	13	23.20	22.51	22.56	22.42
		1	24	23.20	22.68	22.48	22.48
		12	0	23.20	22.52	22.53	22.45
		12	6	23.20	22.47	22.50	22.43
		12	13	23.20	22.54	22.44	22.50
		25	0	23.20	22.47	22.58	22.42
	16QAM	1	0	23.20	22.68	22.71	22.48
		1	13	23.20	22.67	22.89	22.54
		1	24	23.20	22.80	22.79	22.52
		12	0	22.70	21.97	21.88	21.90
		12	6	22.70	21.95	21.98	21.92
		12	13	22.70	21.99	21.93	22.00
		25	0	22.70	21.96	21.83	21.97
	64QAM	1	0	22.70	21.82	21.82	21.62
		1	13	22.70	22.39	22.15	22.05
		1	24	22.70	21.78	21.95	22.09
		12	0	22.70	21.92	22.02	21.98
		12	6	22.70	21.90	21.90	21.51
		12	13	22.70	22.12	21.91	21.69
		25	0	22.70	21.90	21.89	21.97
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23060CH	23095CH	23130CH
10MHz	QPSK	1	0	23.20	22.38	**22.63**	**22.62**
		1	25	23.20	22.47	22.28	22.37
		1	49	23.20	**22.66**	22.61	22.56
		25	0	23.20	22.49	22.63	22.58
		25	13	23.20	22.60	**22.64**	22.46
		25	25	23.20	22.61	22.54	22.51
		50	0	23.20	22.58	22.64	22.61
	16QAM	1	0	23.20	21.60	22.22	22.70
		1	25	23.20	22.51	22.13	22.36
		1	49	23.20	22.78	22.54	22.63
		25	0	22.70	21.98	21.98	22.07
		25	13	22.70	22.04	21.89	21.94
		25	25	22.70	22.02	21.92	22.00
		50	0	22.70	21.90	22.07	22.08
	64QAM	1	0	22.70	21.86	21.93	21.76
		1	25	22.70	22.21	22.31	21.77
		1	49	22.70	21.61	21.63	21.87
		25	0	22.70	21.98	22.01	21.92
		25	13	22.70	21.71	22.02	21.70
		25	25	22.70	22.12	21.99	21.75
		50	0	22.70	21.87	21.76	22.16

Table 69: Conducted power measurement results of LTE Band 12(Reduced Power Level D2)

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7.1.20 Conducted power measurements of LTE Band 12 (Main Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23017CH	23095CH	23173CH
1.4MHz	QPSK	1	0	25.00	23.84	23.90	23.94
		1	3	25.00	23.80	23.85	23.93
		1	5	25.00	23.79	23.85	23.95
		3	0	25.00	23.85	23.88	23.89
		3	2	25.00	23.85	23.76	23.87
		3	3	25.00	23.77	23.81	23.84
		6	0	24.00	22.81	22.69	22.76
	16QAM	1	0	24.00	23.14	22.84	23.19
		1	3	24.00	23.00	23.06	23.04
		1	5	24.00	22.99	22.86	23.18
		3	0	24.00	22.79	22.86	23.00
		3	2	24.00	22.85	22.84	22.86
		3	3	24.00	22.83	22.88	22.80
		6	0	23.00	21.85	21.87	21.81
	64QAM	1	0	23.00	21.99	21.99	21.94
		1	3	23.00	22.13	21.89	21.81
		1	5	23.00	21.90	21.91	22.03
		3	0	23.00	21.83	21.94	21.99
		3	2	23.00	21.87	22.01	22.03
		3	3	23.00	21.87	21.96	21.95
		6	0	22.00	20.90	20.97	20.82
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23025CH	23095CH	23165CH
3MHz	QPSK	1	0	25.00	23.72	23.83	23.84
		1	7	25.00	23.74	23.85	23.84
		1	14	25.00	23.66	23.83	23.86
		8	0	24.00	22.86	22.92	22.92
		8	4	24.00	22.94	22.87	22.81
		8	7	24.00	22.85	22.94	22.82
		15	0	24.00	22.87	22.90	22.85
	16QAM	1	0	24.00	23.02	22.95	22.83
		1	7	24.00	23.00	23.04	23.00
		1	14	24.00	23.19	23.07	22.86
		8	0	23.00	21.81	21.84	21.81
		8	4	23.00	21.91	21.90	21.90
		8	7	23.00	21.79	21.86	21.97
		15	0	23.00	21.87	21.81	21.87
	64QAM	1	0	23.00	21.88	21.88	22.03
		1	7	23.00	22.06	21.90	21.98
		1	14	23.00	21.89	21.87	22.02
		8	0	22.00	20.91	20.97	20.96
		8	4	22.00	20.93	20.86	20.88
		8	7	22.00	20.89	20.89	20.93
		15	0	22.00	20.91	20.94	20.88

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23035CH	23095CH	23155CH
5MHz	QPSK	1	0	25.00	23.77	23.88	23.84
		1	13	25.00	23.77	23.89	23.85
		1	24	25.00	23.90	23.85	23.85
		12	0	24.00	22.89	23.02	22.88
		12	6	24.00	22.92	22.96	22.91
		12	13	24.00	22.92	22.96	22.91
		25	0	24.00	22.85	22.98	22.88
	16QAM	1	0	24.00	23.01	22.89	22.94
		1	13	24.00	22.93	22.96	23.04
		1	24	24.00	22.87	22.98	23.06
		12	0	23.00	21.87	22.01	21.83
		12	6	23.00	21.88	21.99	21.88
		12	13	23.00	21.88	22.00	21.89
		25	0	23.00	21.84	21.88	21.82
	64QAM	1	0	23.00	22.10	21.87	21.90
		1	13	23.00	22.06	22.04	21.84
		1	24	23.00	22.09	21.93	22.07
		12	0	22.00	20.98	21.02	20.98
		12	6	22.00	20.96	21.00	20.99
		12	13	22.00	20.95	21.02	20.97
		25	0	22.00	20.85	20.95	20.84
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23060CH	23095CH	23130CH
10MHz	QPSK	1	0	25.00	22.40	23.17	23.78
		1	25	25.00	23.38	23.17	23.74
		1	49	25.00	**23.89**	**23.93**	**24.00**
		25	0	24.00	22.89	22.98	**22.99**
		25	13	24.00	22.93	22.98	22.93
		25	25	24.00	22.88	22.95	22.93
		50	0	24.00	22.87	22.86	22.90
	16QAM	1	0	24.00	21.57	22.50	22.75
		1	25	24.00	21.71	22.42	22.92
		1	49	24.00	21.78	22.44	22.93
		25	0	23.00	21.78	22.00	21.85
		25	13	23.00	21.86	21.95	21.87
		25	25	23.00	21.87	22.00	21.76
		50	0	23.00	21.90	21.78	21.77
	64QAM	1	0	23.00	20.69	21.57	21.99
		1	25	23.00	20.82	21.71	21.85
		1	49	23.00	20.77	21.65	21.95
		25	0	22.00	20.89	21.03	20.99
		25	13	22.00	20.89	20.99	20.95
		25	25	22.00	20.93	21.01	20.97
		50	0	22.00	20.84	20.83	20.86

Table 70: Conducted power measurement results of LTE Band 12(Full Power)

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7.1.21 Conducted power measurements of LTE Band 17 (Second Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23755CH	23790CH	23825CH
5MHz	QPSK	1	0	24.70	24.01	23.85	23.92
		1	13	24.70	24.10	23.93	23.92
		1	24	24.70	23.98	23.88	23.98
		12	0	23.70	23.04	23.10	22.99
		12	6	23.70	22.95	22.99	22.90
		12	13	23.70	23.06	22.98	23.01
		25	0	23.70	23.04	22.94	22.93
	16QAM	1	0	23.70	23.04	23.24	23.08
		1	13	23.70	22.92	23.12	23.08
		1	24	23.70	22.90	23.13	23.13
		12	0	22.70	22.00	22.10	22.04
		12	6	22.70	21.99	21.97	21.97
		12	13	22.70	22.06	22.03	22.06
		25	0	22.70	22.00	21.96	21.94
	64QAM	1	0	22.70	21.83	21.79	21.92
		1	13	22.70	21.93	21.81	22.03
		1	24	22.70	21.94	21.83	21.88
		12	0	21.70	20.78	20.76	20.80
		12	6	21.70	20.75	20.72	20.71
		12	13	21.70	20.82	20.73	20.78
		25	0	21.70	20.64	20.69	20.66
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23780CH	23790CH	23800CH
10MHz	QPSK	1	0	24.70	23.80	23.88	23.93
		1	25	24.70	23.80	23.76	23.81
		1	49	24.70	**23.82**	**23.92**	**24.05**
		25	0	23.70	23.12	**23.13**	23.12
		25	13	23.70	23.03	22.95	23.03
		25	25	23.70	22.98	22.95	23.01
		50	0	23.70	22.94	22.91	22.99
	16QAM	1	0	23.70	23.06	23.02	22.83
		1	25	23.70	23.00	22.52	22.71
		1	49	23.70	23.01	23.01	23.06
		25	0	22.70	22.06	22.08	21.91
		25	13	22.70	21.82	21.93	21.99
		25	25	22.70	21.97	21.92	21.90
		50	0	22.70	21.98	21.94	22.04
	64QAM	1	0	22.70	21.89	21.85	21.98
		1	25	22.70	21.97	21.86	22.11
		1	49	22.70	21.99	21.92	21.95
		25	0	21.70	20.85	20.81	20.85
		25	13	21.70	20.80	20.79	20.78
		25	25	21.70	20.87	20.78	20.83
		50	0	21.70	20.73	20.75	20.74

Table 71: Conducted power measurement results of LTE Band 17(Full Power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23755CH	23790CH	23825CH
5MHz	QPSK	1	0	22.70	21.96	22.03	22.01
		1	13	22.70	22.11	21.95	21.99
		1	24	22.70	21.97	21.95	22.06
		12	0	22.70	22.00	22.11	22.01
		12	6	22.70	21.89	22.02	21.91
		12	13	22.70	22.07	21.99	22.10
		25	0	22.70	21.96	21.95	21.98
	16QAM	1	0	22.70	22.16	22.04	22.03
		1	13	22.70	22.16	21.95	22.06
		1	24	22.70	22.02	21.93	22.18
		12	0	22.70	21.98	22.08	21.99
		12	6	22.70	21.94	21.98	21.90
		12	13	22.70	22.04	22.01	22.08
		25	0	22.70	21.93	21.94	21.95
	64QAM	1	0	22.70	22.06	22.04	22.04
		1	13	22.70	22.14	21.93	22.04
		1	24	22.70	22.02	21.93	22.17
		12	0	22.70	22.00	22.08	21.98
		12	6	22.70	21.95	22.02	21.91
		12	13	22.70	22.00	21.97	22.08
		25	0	22.70	21.97	21.97	21.98
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23780CH	23790CH	23800CH
10MHz	QPSK	1	0	22.70	**22.10**	21.96	22.02
		1	25	22.70	21.73	21.83	21.84
		1	49	22.70	22.04	21.98	22.04
		25	0	22.70	**22.12**	**22.11**	**22.08**
		25	13	22.70	21.89	21.96	21.96
		25	25	22.70	21.95	21.94	21.99
		50	0	22.70	21.97	21.94	21.99
	16QAM	1	0	22.70	22.32	22.30	22.05
		1	25	22.70	21.92	21.89	21.82
		1	49	22.70	22.25	22.19	21.99
		25	0	22.70	22.04	22.00	22.03
		25	13	22.70	21.83	21.91	21.90
		25	25	22.70	21.91	21.87	21.90
		50	0	22.70	21.89	21.91	21.94
	64QAM	1	0	22.70	22.27	22.30	22.05
		1	25	22.70	21.75	21.89	21.82
		1	49	22.70	22.07	22.19	21.99
		25	0	22.70	22.06	22.01	22.01
		25	13	22.70	21.85	21.91	21.90
		25	25	22.70	21.96	21.90	21.89
		50	0	22.70	21.97	21.91	21.98

Table 72: Conducted power measurement results of LTE Band 17(Reduced Power Level D1/D3)

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7.1.22 Conducted power measurements of LTE Band 17 (Main Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23755CH	23790CH	23825CH
5MHz	QPSK	1	0	25.00	23.93	23.84	23.86
		1	13	25.00	23.87	23.85	23.88
		1	24	25.00	23.92	23.86	23.90
		12	0	24.00	22.96	23.00	22.88
		12	6	24.00	22.96	22.89	22.94
		12	13	24.00	22.95	22.90	22.95
		25	0	24.00	22.87	22.84	22.84
	16QAM	1	0	24.00	23.01	22.93	22.92
		1	13	24.00	22.98	23.05	22.95
		1	24	24.00	23.08	22.99	23.04
		12	0	23.00	21.95	21.88	21.93
		12	6	23.00	22.01	21.92	21.86
		12	13	23.00	22.07	21.90	21.86
		25	0	23.00	21.86	21.81	21.78
	64QAM	1	0	23.00	21.97	21.79	21.94
		1	13	23.00	22.10	21.93	22.05
		1	24	23.00	22.03	22.05	22.13
		12	0	22.00	20.99	20.96	20.95
		12	6	22.00	20.94	20.97	20.90
		12	13	22.00	20.95	20.96	20.95
		25	0	22.00	20.86	20.84	20.85
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23780CH	23790CH	23800CH
10MHz	QPSK	1	0	25.00	23.77	23.80	23.74
		1	25	25.00	23.79	23.81	23.75
		1	49	25.00	23.79	23.84	23.71
		25	0	24.00	23.05	22.93	22.95
		25	13	24.00	22.95	22.89	22.87
		25	25	24.00	22.95	22.90	22.94
		50	0	24.00	22.83	22.87	22.81
	16QAM	1	0	24.00	22.83	22.98	22.93
		1	25	24.00	22.87	22.98	22.87
		1	49	24.00	22.97	22.92	22.65
		25	0	23.00	21.89	21.83	21.88
		25	13	23.00	21.93	21.81	21.91
		25	25	23.00	21.92	21.84	21.82
		50	0	23.00	21.79	21.81	21.80
	64QAM	1	0	23.00	21.85	21.78	22.01
		1	25	23.00	21.93	21.85	21.97
		1	49	23.00	22.00	21.95	21.89
		25	0	22.00	21.00	20.99	21.00
		25	13	22.00	20.98	20.92	20.94
		25	25	22.00	21.01	20.95	20.96
		50	0	22.00	20.90	20.91	20.81

Table 73: Conducted power measurement results of LTE Band 17(Full Power)

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7.1.23 Conducted power measurements of LTE Band 26 (Second Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	24.90	23.80	23.59	23.68
		1	3	24.90	23.72	23.62	23.62
		1	5	24.90	23.71	23.65	23.62
		3	0	24.90	23.66	23.69	23.58
		3	2	24.90	23.61	23.68	23.60
		3	3	24.90	23.73	23.66	23.54
		6	0	23.90	22.45	22.63	22.52
	16QAM	1	0	23.90	22.84	22.72	22.73
		1	3	23.90	22.88	22.78	22.86
		1	5	23.90	22.70	22.71	22.79
		3	0	23.90	22.75	22.63	22.44
		3	2	23.90	22.43	22.63	22.55
		3	3	23.90	22.62	22.69	22.63
		6	0	22.90	21.67	21.56	21.52
	64QAM	1	0	22.90	21.78	21.68	21.80
		1	3	22.90	21.82	21.75	21.62
		1	5	22.90	21.96	21.90	21.85
		3	0	22.90	21.68	21.66	21.68
		3	2	22.90	21.84	21.62	21.53
		3	3	22.90	21.79	21.66	21.72
		6	0	21.90	20.78	20.67	20.63
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26705CH	26865CH	27025CH
3MHz	QPSK	1	0	24.90	23.60	23.59	23.70
		1	7	24.90	23.59	23.59	23.68
		1	14	24.90	23.56	23.64	23.71
		8	0	23.90	22.73	22.64	22.70
		8	4	23.90	22.55	22.61	22.63
		8	7	23.90	22.67	22.64	22.58
		15	0	23.90	22.58	22.64	22.62
	16QAM	1	0	23.90	22.59	22.76	23.01
		1	7	23.90	22.75	22.58	22.79
		1	14	23.90	22.68	22.72	22.93
		8	0	22.90	21.75	21.60	21.68
		8	4	22.90	21.56	21.58	21.70
		8	7	22.90	21.71	21.63	21.70
		15	0	22.90	21.52	21.58	21.65
	64QAM	1	0	22.90	21.72	21.81	21.68
		1	7	22.90	21.57	21.95	21.82
		1	14	22.90	21.71	21.72	21.73
		8	0	21.90	20.71	20.63	20.73
		8	4	21.90	20.70	20.63	20.65
		8	7	21.90	20.69	20.67	20.67
		15	0	21.90	20.63	20.65	20.58

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26715CH	26865CH	27015CH
5MHz	QPSK	1	0	24.90	23.59	23.63	23.85
		1	13	24.90	23.65	23.87	23.83
		1	24	24.90	23.81	23.86	23.87
		12	0	23.90	22.81	22.73	22.60
		12	6	23.90	22.65	22.73	22.61
		12	13	23.90	22.65	22.73	22.86
		25	0	23.90	21.81	21.20	21.40
	16QAM	1	0	23.90	22.85	23.16	22.77
		1	13	23.90	22.82	22.96	22.92
		1	24	23.90	22.81	23.15	23.19
		12	0	22.90	21.60	21.68	21.87
		12	6	22.90	21.81	21.57	21.77
		12	13	22.90	21.63	21.72	21.62
		25	0	22.90	20.72	20.09	20.23
	64QAM	1	0	22.90	22.04	21.98	22.06
		1	13	22.90	21.88	22.02	21.90
		1	24	22.90	21.85	21.90	21.70
		12	0	21.90	20.70	20.72	20.84
		12	6	21.90	20.70	20.80	20.86
		12	13	21.90	20.83	20.73	20.88
		25	0	21.90	19.80	19.10	19.26
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26740CH	26865CH	26990CH
10MHz	QPSK	1	0	24.90	23.64	23.65	23.68
		1	25	24.90	23.62	23.67	23.70
		1	49	24.90	23.64	23.65	23.66
		25	0	23.90	22.77	22.85	22.82
		25	13	23.90	22.75	22.85	22.84
		25	25	23.90	22.75	22.85	22.85
		50	0	23.90	22.51	22.65	22.59
	16QAM	1	0	23.90	22.79	22.76	22.73
		1	25	23.90	22.88	22.80	22.76
		1	49	23.90	22.95	22.67	22.83
		25	0	22.90	21.66	21.80	21.46
		25	13	22.90	21.67	21.80	21.51
		25	25	22.90	21.71	21.79	21.50
		50	0	22.90	21.73	21.58	21.52
	64QAM	1	0	22.90	21.73	21.75	21.80
		1	25	22.90	21.82	21.80	21.73
		1	49	22.90	21.75	21.92	21.94
		25	0	21.90	20.74	20.84	20.81
		25	13	21.90	20.73	20.82	20.80
		25	25	21.90	20.75	20.84	20.81
		50	0	21.90	20.74	20.62	20.86

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26765CH	26865CH	26965CH
15MHz	QPSK	1	0	24.90	23.56	23.51	23.60
		1	38	24.90	23.58	23.49	23.57
		1	74	24.90	**23.69**	23.58	23.58
		36	0	23.90	**22.54**	22.63	22.87
		36	18	23.90	22.54	22.53	**22.89**
		36	39	23.90	22.52	**22.81**	22.67
		75	0	23.90	22.81	22.77	22.60
	16QAM	1	0	23.90	22.75	23.08	22.91
		1	38	23.90	22.69	22.85	23.10
		1	74	23.90	22.83	22.91	22.91
		36	0	22.90	21.50	21.62	21.83
		36	18	22.90	21.74	21.62	21.86
		36	39	22.90	21.80	21.60	21.85
		75	0	22.90	21.72	21.70	21.52
	64QAM	1	0	22.90	21.86	21.86	21.86
		1	38	22.90	21.78	21.81	21.94
		1	74	22.90	21.86	21.98	21.82
		36	0	21.90	20.80	20.62	20.85
		36	18	21.90	20.79	20.62	20.87
		36	39	21.90	20.78	20.65	20.87
		75	0	21.90	20.72	20.73	20.80

Table 74: Conducted power measurement results of LTE Band 26(Full Power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	19.40	18.25	18.27	18.33
		1	3	19.40	18.39	18.28	18.31
		1	5	19.40	18.37	18.30	18.33
		3	0	19.40	18.17	18.29	18.33
		3	2	19.40	18.15	18.32	18.29
		3	3	19.40	18.13	18.34	18.24
		6	0	19.40	18.14	18.32	18.16
	16QAM	1	0	19.40	18.21	18.29	18.37
		1	3	19.40	18.18	18.56	18.31
		1	5	19.40	18.41	18.32	18.51
		3	0	19.40	18.06	18.22	18.32
		3	2	19.40	18.15	18.23	18.09
		3	3	19.40	18.18	18.35	18.16
		6	0	19.40	18.04	18.15	18.18
	64QAM	1	0	19.40	18.47	18.27	18.35
		1	3	19.40	18.29	18.25	18.56
		1	5	19.40	18.45	18.41	18.43
		3	0	19.40	18.16	18.31	18.20
		3	2	19.40	18.09	18.23	18.30
		3	3	19.40	18.08	18.16	18.16
		6	0	19.40	18.14	18.09	18.23
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26705CH	26865CH	27025CH
3MHz	QPSK	1	0	19.40	18.31	18.31	18.39
		1	7	19.40	18.24	18.32	18.37
		1	14	19.40	18.35	18.38	18.38
		8	0	19.40	18.11	18.25	18.18
		8	4	19.40	18.08	18.23	18.30
		8	7	19.40	18.10	18.27	18.13
		15	0	19.40	18.27	18.23	18.30
	16QAM	1	0	19.40	18.40	18.57	18.49
		1	7	19.40	18.50	18.56	18.32
		1	14	19.40	18.45	18.65	18.38
		8	0	19.40	18.14	18.16	18.30
		8	4	19.40	18.20	18.17	18.16
		8	7	19.40	18.08	18.17	18.11
		15	0	19.40	18.11	18.13	18.25
	64QAM	1	0	19.40	18.32	18.20	18.36
		1	7	19.40	18.30	18.26	18.47
		1	14	19.40	18.31	18.27	18.46
		8	0	19.40	18.22	18.07	18.28
		8	4	19.40	18.13	18.11	18.20
		8	7	19.40	18.18	18.05	18.14
		15	0	19.40	18.11	18.08	18.22

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 26715CH	Channel 26865CH	Channel 27015CH
5MHz	QPSK	1	0	19.40	18.37	18.38	18.20
		1	13	19.40	18.39	18.18	18.26
		1	24	19.40	18.25	18.19	18.19
		12	0	19.40	18.42	18.39	18.28
		12	6	19.40	18.34	18.39	18.27
		12	13	19.40	18.34	18.36	18.38
		25	0	19.40	18.28	18.31	18.19
	16QAM	1	0	19.40	18.55	18.25	18.48
		1	13	19.40	18.61	18.39	18.44
		1	24	19.40	18.54	18.32	18.39
		12	0	19.40	18.24	18.32	18.36
		12	6	19.40	18.30	18.19	18.34
		12	13	19.40	18.28	18.36	18.21
		25	0	19.40	18.25	18.14	18.17
	64QAM	1	0	19.40	18.31	18.51	18.11
		1	13	19.40	18.35	18.38	18.49
		1	24	19.40	18.32	18.42	18.35
		12	0	19.40	18.16	18.19	18.41
		12	6	19.40	18.09	18.15	18.33
		12	13	19.40	18.33	18.14	18.32
		25	0	19.40	18.15	18.35	18.37
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 26740CH	Channel 26865CH	Channel 26990CH
10MHz	QPSK	1	0	19.40	18.35	18.43	18.28
		1	25	19.40	18.40	18.25	18.37
		1	49	19.40	18.39	18.30	18.35
		25	0	19.40	18.37	18.20	18.22
		25	13	19.40	18.39	18.16	18.22
		25	25	19.40	18.38	18.16	18.20
		50	0	19.40	18.11	18.34	18.23
	16QAM	1	0	19.40	18.28	18.48	18.50
		1	25	19.40	18.21	18.46	18.31
		1	49	19.40	18.34	18.45	18.35
		25	0	19.40	18.25	18.30	18.17
		25	13	19.40	18.24	18.38	18.10
		25	25	19.40	18.31	18.38	18.14
		50	0	19.40	18.09	18.25	18.10
	64QAM	1	0	19.40	18.47	18.36	18.25
		1	25	19.40	18.38	18.25	18.30
		1	49	19.40	18.35	18.57	18.22
		25	0	19.40	18.22	18.31	18.30
		25	13	19.40	18.22	18.30	18.29
		25	25	19.40	18.22	18.28	18.19
		50	0	19.40	18.26	18.15	18.35

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26765CH	26865CH	26965CH
15MHz	QPSK	1	0	19.40	18.01	18.20	18.24
		1	38	19.40	**18.22**	**18.25**	18.21
		1	74	19.40	18.00	18.07	**18.27**
		36	0	19.40	18.15	**18.35**	18.27
		36	18	19.40	18.10	18.10	18.22
		36	39	19.40	18.14	18.12	18.24
		75	0	19.40	18.40	18.36	18.25
	16QAM	1	0	19.40	18.49	18.58	18.65
		1	38	19.40	18.60	18.50	18.45
		1	74	19.40	18.63	18.27	18.61
		36	0	19.40	18.17	18.22	18.42
		36	18	19.40	18.18	18.25	18.36
		36	39	19.40	18.33	18.22	18.37
		75	0	19.40	18.29	18.29	18.11
	64QAM	1	0	19.40	18.37	18.47	18.29
		1	38	19.40	18.44	18.46	18.25
		1	74	19.40	18.42	18.51	18.48
		36	0	19.40	18.33	18.27	18.37
		36	18	19.40	18.31	18.30	18.35
		36	39	19.40	18.33	18.31	18.35
		75	0	19.40	18.15	18.16	18.33

Table 75: Conducted power measurement results of LTE Band 26(Reduced Power Level D1)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 26697CH	Channel 26865CH	Channel 27033CH
1.4MHz	QPSK	1	0	16.40	15.44	15.52	15.45
		1	3	16.40	15.07	15.25	15.05
		1	5	16.40	15.51	15.52	15.39
		3	0	16.40	15.19	15.44	15.43
		3	2	16.40	15.41	15.31	15.42
		3	3	16.40	15.42	15.38	15.47
		6	0	16.40	15.15	15.18	15.17
	16QAM	1	0	16.40	15.76	15.49	15.78
		1	3	16.40	15.51	15.16	15.77
		1	5	16.40	15.73	15.49	15.79
		3	0	16.40	15.38	15.35	15.59
		3	2	16.40	15.20	15.17	15.14
		3	3	16.40	15.17	15.51	15.38
		6	0	16.40	15.32	15.39	15.44
	64QAM	1	0	16.40	15.76	15.45	15.82
		1	3	16.40	15.49	15.16	15.80
		1	5	16.40	15.73	15.47	15.80
		3	0	16.40	15.36	15.53	15.53
		3	2	16.40	15.18	15.45	15.39
		3	3	16.40	15.15	15.52	15.44
		6	0	16.40	15.35	15.32	15.16
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 26705CH	Channel 26865CH	Channel 27025CH
3MHz	QPSK	1	0	16.40	15.41	15.56	15.51
		1	7	16.40	15.47	15.56	15.50
		1	14	16.40	15.39	15.51	15.58
		8	0	16.40	15.36	15.50	15.50
		8	4	16.40	15.36	15.52	15.52
		8	7	16.40	15.33	15.53	15.38
		15	0	16.40	15.39	15.57	15.53
	16QAM	1	0	16.40	15.41	15.69	15.80
		1	7	16.40	15.38	15.68	15.80
		1	14	16.40	15.49	15.68	15.81
		8	0	16.40	15.43	15.39	15.39
		8	4	16.40	15.46	15.42	15.54
		8	7	16.40	15.27	15.45	15.53
		15	0	16.40	15.43	15.51	15.50
	64QAM	1	0	16.40	15.41	15.69	15.80
		1	7	16.40	15.49	15.68	15.79
		1	14	16.40	15.49	15.67	15.81
		8	0	16.40	15.46	15.40	15.41
		8	4	16.40	15.48	15.45	15.57
		8	7	16.40	15.36	15.40	15.51
		15	0	16.40	15.39	15.58	15.54

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26715CH	26865CH	27015CH
5MHz	QPSK	1	0	16.40	15.41	15.42	15.60
		1	13	16.40	15.39	15.52	15.55
		1	24	16.40	15.45	15.47	15.60
		12	0	16.40	15.52	15.45	15.64
		12	6	16.40	15.46	15.55	15.57
		12	13	16.40	15.59	15.62	15.61
		25	0	16.40	15.52	15.61	15.59
	16QAM	1	0	16.40	15.39	15.34	15.84
		1	13	16.40	15.41	15.52	15.85
		1	24	16.40	15.55	15.50	15.66
		12	0	16.40	15.53	15.47	15.48
		12	6	16.40	15.53	15.40	15.38
		12	13	16.40	15.46	15.47	15.49
		25	0	16.40	15.47	15.49	15.54
	64QAM	1	0	16.40	15.50	15.34	15.84
		1	13	16.40	15.50	15.49	15.84
		1	24	16.40	15.50	15.49	15.68
		12	0	16.40	15.54	15.46	15.49
		12	6	16.40	15.50	15.38	15.36
		12	13	16.40	15.46	15.48	15.49
		25	0	16.40	15.51	15.59	15.59
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26740CH	26865CH	26990CH
10MHz	QPSK	1	0	16.40	15.42	15.40	15.47
		1	25	16.40	15.40	15.09	15.40
		1	49	16.40	15.46	15.56	15.43
		25	0	16.40	15.53	15.42	15.57
		25	13	16.40	15.43	15.57	15.57
		25	25	16.40	15.51	15.56	15.62
		50	0	16.40	15.44	15.61	15.60
	16QAM	1	0	16.40	15.41	15.65	15.78
		1	25	16.40	15.04	15.18	15.21
		1	49	16.40	15.51	15.63	15.78
		25	0	16.40	15.37	15.38	15.38
		25	13	16.40	15.49	15.43	15.43
		25	25	16.40	15.40	15.47	15.46
		50	0	16.40	15.46	15.55	15.53
	64QAM	1	0	16.40	15.52	15.62	15.79
		1	25	16.40	15.25	15.25	15.28
		1	49	16.40	15.50	15.67	15.83
		25	0	16.40	15.38	15.37	15.41
		25	13	16.40	15.52	15.44	15.41
		25	25	16.40	15.39	15.45	15.50
		50	0	16.40	15.44	15.61	15.60

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26765CH	26865CH	26965CH
15MHz	QPSK	1	0	16.40	15.35	15.41	15.41
		1	38	16.40	15.35	15.53	15.52
		1	74	16.40	15.47	15.51	15.40
		36	0	16.40	15.39	15.46	15.62
		36	18	16.40	15.47	15.62	15.58
		36	39	16.40	15.55	15.61	15.65
		75	0	16.40	15.45	15.60	15.56
	16QAM	1	0	16.40	15.62	15.48	15.54
		1	38	16.40	15.76	15.63	15.57
		1	74	16.40	15.83	15.60	15.50
		36	0	16.40	15.39	15.42	15.50
		36	18	16.40	15.31	15.42	15.37
		36	39	16.40	15.43	15.45	15.45
		75	0	16.40	15.48	15.53	15.51
	64QAM	1	0	16.40	15.60	15.48	15.54
		1	38	16.40	15.73	15.60	15.58
		1	74	16.40	15.84	15.56	15.55
		36	0	16.40	15.38	15.43	15.50
		36	18	16.40	15.31	15.43	15.39
		36	39	16.40	15.43	15.46	15.45
		75	0	16.40	15.46	15.59	15.56

Table 76: Conducted power measurement results of LTE Band 26(Reduced Power Level D3)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 26697CH	Channel 26865CH	Channel 27033CH
1.4MHz	QPSK	1	0	21.90	20.96	21.00	21.07
		1	3	21.90	20.65	20.76	20.60
		1	5	21.90	20.92	21.14	20.86
		3	0	21.90	20.94	21.01	20.82
		3	2	21.90	20.74	20.75	20.63
		3	3	21.90	20.79	20.90	20.77
		6	0	21.90	20.97	20.71	20.76
	16QAM	1	0	21.90	21.09	21.13	21.08
		1	3	21.90	20.96	20.77	20.64
		1	5	21.90	21.09	21.27	21.06
		3	0	21.90	20.97	21.18	21.06
		3	2	21.90	20.81	20.62	20.71
		3	3	21.90	20.95	20.82	20.83
		6	0	21.90	20.73	20.75	20.95
	64QAM	1	0	21.90	21.16	21.25	21.13
		1	3	21.90	20.97	20.83	20.65
		1	5	21.90	21.06	21.12	20.97
		3	0	21.90	20.98	20.81	20.93
		3	2	21.90	20.84	20.62	20.72
		3	3	21.90	20.95	20.82	20.86
		6	0	21.90	20.90	20.91	20.85
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 26705CH	Channel 26865CH	Channel 27025CH
3MHz	QPSK	1	0	21.90	20.93	21.22	20.95
		1	7	21.90	20.87	21.17	20.89
		1	14	21.90	21.00	20.99	20.85
		8	0	21.90	20.92	20.93	20.84
		8	4	21.90	20.79	20.94	20.84
		8	7	21.90	20.78	20.92	20.83
		15	0	21.90	20.82	20.92	20.88
	16QAM	1	0	21.90	21.02	21.05	20.91
		1	7	21.90	21.01	21.13	20.88
		1	14	21.90	21.03	21.02	20.94
		8	0	21.90	20.74	20.90	20.93
		8	4	21.90	20.85	20.87	20.91
		8	7	21.90	20.76	20.80	20.81
		15	0	21.90	20.69	20.76	20.81
	64QAM	1	0	21.90	21.08	20.98	20.91
		1	7	21.90	21.01	21.13	20.88
		1	14	21.90	20.99	21.03	20.94
		8	0	21.90	20.88	20.85	20.91
		8	4	21.90	20.85	20.88	20.90
		8	7	21.90	20.74	20.77	20.81
		15	0	21.90	20.82	20.93	20.87

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26715CH	26865CH	27015CH
5MHz	QPSK	1	0	21.90	20.93	21.17	20.94
		1	13	21.90	20.84	21.05	21.01
		1	24	21.90	20.85	20.85	20.86
		12	0	21.90	20.89	20.93	20.91
		12	6	21.90	20.84	20.95	20.74
		12	13	21.90	21.10	20.93	20.92
		25	0	21.90	20.87	20.92	21.00
	16QAM	1	0	21.90	21.08	21.13	20.89
		1	13	21.90	21.19	21.11	21.02
		1	24	21.90	21.23	21.05	20.91
		12	0	21.90	20.83	21.00	20.89
		12	6	21.90	20.76	20.89	20.81
		12	13	21.90	21.03	20.90	20.88
		25	0	21.90	20.82	20.51	20.68
	64QAM	1	0	21.90	21.08	21.13	20.89
		1	13	21.90	20.96	21.11	20.91
		1	24	21.90	21.21	21.05	20.95
		12	0	21.90	20.83	21.00	20.89
		12	6	21.90	20.74	20.87	20.81
		12	13	21.90	21.10	20.90	20.89
		25	0	21.90	20.89	20.91	21.00
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26740CH	26865CH	26990CH
10MHz	QPSK	1	0	21.90	20.76	20.96	21.07
		1	25	21.90	20.89	20.81	20.73
		1	49	21.90	20.76	21.04	20.90
		25	0	21.90	20.81	21.13	20.90
		25	13	21.90	20.89	20.85	20.84
		25	25	21.90	20.90	20.93	20.91
		50	0	21.90	20.88	21.08	20.90
	16QAM	1	0	21.90	20.83	20.90	21.21
		1	25	21.90	20.57	20.81	20.84
		1	49	21.90	20.88	20.88	21.03
		25	0	21.90	20.73	21.02	20.83
		25	13	21.90	20.85	20.76	21.04
		25	25	21.90	20.83	20.85	20.81
		50	0	21.90	20.77	20.94	20.81
	64QAM	1	0	21.90	21.01	20.90	21.21
		1	25	21.90	20.51	20.74	20.82
		1	49	21.90	20.88	20.98	21.03
		25	0	21.90	20.73	21.03	20.84
		25	13	21.90	20.83	20.76	21.03
		25	25	21.90	20.82	20.85	20.82
		50	0	21.90	20.87	21.08	20.89

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26765CH	26865CH	26965CH
15MHz	QPSK	1	0	21.90	21.06	20.94	21.07
		1	38	21.90	21.06	**21.13**	21.02
		1	74	21.90	21.11	20.93	20.87
		36	0	21.90	20.88	20.92	20.87
		36	18	21.90	20.83	20.91	20.87
		36	39	21.90	**20.96**	**21.15**	**20.92**
		75	0	21.90	21.09	21.07	20.90
	16QAM	1	0	21.90	20.95	21.08	20.87
		1	38	21.90	21.11	21.14	20.91
		1	74	21.90	21.23	21.20	20.88
		36	0	21.90	20.95	20.83	21.01
		36	18	21.90	21.04	20.82	20.75
		36	39	21.90	20.78	21.04	20.80
		75	0	21.90	20.98	20.97	20.78
	64QAM	1	0	21.90	21.00	21.03	20.90
		1	38	21.90	21.15	21.18	20.91
		1	74	21.90	21.27	21.25	20.95
		36	0	21.90	21.03	20.83	21.02
		36	18	21.90	21.04	20.82	20.75
		36	39	21.90	20.79	21.04	20.82
		75	0	21.90	21.09	21.07	20.91

Table 77: Conducted power measurement results of LTE Band 26(Reduced Power Level D2)

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7.1.24 Conducted power measurements of LTE Band 26 (Main Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	25.20	23.75	23.75	23.64
		1	3	25.20	23.74	23.73	23.66
		1	5	25.20	23.87	23.98	23.64
		3	0	25.20	23.75	23.77	23.85
		3	2	25.20	23.73	23.71	23.80
		3	3	25.20	23.72	23.77	23.67
		6	0	24.20	22.78	22.78	22.60
	16QAM	1	0	24.20	23.10	23.01	22.76
		1	3	24.20	22.80	23.01	22.70
		1	5	24.20	23.09	23.09	22.81
		3	0	24.20	22.61	22.66	22.70
		3	2	24.20	22.94	22.63	22.57
		3	3	24.20	22.91	22.76	22.76
		6	0	23.20	21.91	21.63	21.63
	64QAM	1	0	23.20	22.01	22.08	21.83
		1	3	23.20	22.08	21.87	21.86
		1	5	23.20	22.25	22.15	21.85
		3	0	23.20	21.84	21.82	21.90
		3	2	23.20	22.03	21.80	21.97
		3	3	23.20	21.87	21.79	21.82
		6	0	22.20	20.90	20.89	20.91
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26705CH	26865CH	27025CH
3MHz	QPSK	1	0	25.20	24.00	23.72	23.72
		1	7	25.20	23.80	23.74	23.73
		1	14	25.20	23.98	23.93	23.93
		8	0	24.20	22.75	22.71	22.70
		8	4	24.20	22.66	22.79	22.72
		8	7	24.20	22.96	22.92	22.73
		15	0	24.20	22.81	22.96	22.68
	16QAM	1	0	24.20	23.13	22.96	22.89
		1	7	24.20	23.17	22.64	22.96
		1	14	24.20	23.10	22.82	22.82
		8	0	23.20	21.95	21.88	21.71
		8	4	23.20	21.96	21.89	21.75
		8	7	23.20	21.86	21.91	21.72
		15	0	23.20	21.78	21.90	21.63
	64QAM	1	0	23.20	22.15	21.95	21.98
		1	7	23.20	21.77	22.08	21.94
		1	14	23.20	22.11	21.76	21.91
		8	0	22.20	20.99	20.94	20.75
		8	4	22.20	20.89	20.90	20.71
		8	7	22.20	20.95	20.92	20.75
		15	0	22.20	20.88	20.71	20.63

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26715CH	26865CH	27015CH
5MHz	QPSK	1	0	25.20	24.00	23.86	23.79
		1	13	25.20	23.76	23.91	23.80
		1	24	25.20	24.03	23.67	23.81
		12	0	24.20	22.99	23.01	22.82
		12	6	24.20	22.97	22.84	23.01
		12	13	24.20	23.00	22.98	23.01
		25	0	24.20	22.14	21.57	21.67
	16QAM	1	0	24.20	23.16	23.17	23.03
		1	13	24.20	23.10	23.16	23.02
		1	24	24.20	23.20	23.08	22.93
		12	0	23.20	22.01	21.78	21.73
		12	6	23.20	21.99	21.82	21.96
		12	13	23.20	22.01	21.82	21.97
		25	0	23.20	20.99	20.53	20.61
	64QAM	1	0	23.20	22.06	21.97	21.86
		1	13	23.20	22.17	21.90	22.02
		1	24	23.20	22.03	21.84	21.91
		12	0	22.20	21.00	20.78	20.72
		12	6	22.20	20.99	20.83	20.78
		12	13	22.20	21.01	20.78	20.75
		25	0	22.20	20.08	19.57	19.60
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26740CH	26865CH	26990CH
10MHz	QPSK	1	0	25.20	23.88	23.76	23.75
		1	25	25.20	23.89	23.74	23.77
		1	49	25.20	23.83	23.76	23.75
		25	0	24.20	23.04	23.08	22.95
		25	13	24.20	23.01	22.69	22.95
		25	25	24.20	23.02	22.69	22.95
		50	0	24.20	22.69	22.96	22.71
	16QAM	1	0	24.20	23.09	22.83	22.88
		1	25	24.20	22.95	22.88	22.89
		1	49	24.20	23.08	22.85	22.77
		25	0	23.20	21.94	21.66	21.90
		25	13	23.20	21.96	21.63	21.84
		25	25	23.20	21.97	21.63	21.83
		50	0	23.20	21.89	21.91	21.64
	64QAM	1	0	23.20	22.10	21.90	21.85
		1	25	23.20	21.95	21.97	21.77
		1	49	23.20	22.08	21.87	21.88
		25	0	22.20	21.00	20.70	20.89
		25	13	22.20	21.00	20.70	20.92
		25	25	22.20	20.98	20.69	20.90
		50	0	22.20	20.92	20.91	20.69

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26765CH	26865CH	26965CH
15MHz	QPSK	1	0	25.20	**23.91**	**23.93**	**23.86**
		1	38	25.20	23.87	23.92	23.86
		1	74	25.20	23.87	23.93	23.84
		36	0	24.20	22.74	22.83	22.75
		36	18	24.20	22.74	**22.85**	22.75
		36	39	24.20	22.73	22.83	22.76
		75	0	24.20	23.00	23.00	22.75
	16QAM	1	0	24.20	23.00	23.15	22.94
		1	38	24.20	22.93	23.09	22.84
		1	74	24.20	23.04	22.96	22.93
		36	0	23.20	21.96	21.77	21.71
		36	18	23.20	21.94	21.80	21.74
		36	39	23.20	21.98	21.80	21.71
		75	0	23.20	21.87	21.96	21.67
	64QAM	1	0	23.20	22.16	21.94	21.98
		1	38	23.20	22.07	22.11	22.07
		1	74	23.20	21.88	22.06	22.07
		36	0	22.20	20.72	20.83	20.74
		36	18	22.20	20.77	20.80	20.77
		36	39	22.20	20.73	20.83	20.75
		75	0	22.20	20.93	20.96	20.71

Table 78: Conducted power measurement results of LTE Band 26(Full Power)

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7.1.25 Conducted power measurements of LTE Band 38 (Second Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	23.00	21.68	21.70	21.72
		1	13	23.00	21.68	21.65	21.72
		1	24	23.00	21.68	21.68	21.71
		12	0	23.00	21.77	21.78	21.81
		12	6	23.00	21.76	21.78	21.81
		12	13	23.00	21.76	21.78	21.85
		25	0	23.00	21.70	21.73	21.87
	16QAM	1	0	23.00	22.00	22.03	22.06
		1	13	23.00	22.07	22.03	22.06
		1	24	23.00	22.07	22.02	22.05
		12	0	22.00	20.91	20.83	20.89
		12	6	22.00	20.92	20.84	20.89
		12	13	22.00	20.91	20.92	20.89
		25	0	22.00	20.83	20.79	20.84
	64QAM	1	0	22.00	21.09	21.09	21.11
		1	13	22.00	21.10	21.10	21.11
		1	24	22.00	21.12	21.09	21.10
		12	0	21.00	19.77	19.77	19.86
		12	6	21.00	19.81	19.78	19.71
		12	13	21.00	19.73	19.78	19.86
		25	0	21.00	19.91	19.82	19.89
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	23.00	21.83	21.76	21.69
		1	25	23.00	21.82	21.75	21.69
		1	49	23.00	21.82	21.75	21.87
		25	0	23.00	21.76	21.78	21.75
		25	13	23.00	21.76	21.78	21.82
		25	25	23.00	21.76	21.78	21.75
		50	0	23.00	21.77	21.75	21.80
	16QAM	1	0	23.00	21.75	21.67	21.72
		1	25	23.00	21.75	21.71	21.75
		1	49	23.00	21.75	21.62	21.75
		25	0	22.00	20.81	20.82	20.84
		25	13	22.00	20.83	20.82	20.84
		25	25	22.00	20.77	20.83	20.84
		50	0	22.00	20.73	20.72	20.64
	64QAM	1	0	22.00	21.14	21.11	21.12
		1	25	22.00	21.19	21.11	21.18
		1	49	22.00	21.16	21.10	21.12
		25	0	21.00	19.93	19.86	19.91
		25	13	21.00	19.93	19.88	19.87
		25	25	21.00	19.90	19.83	19.91
		50	0	21.00	19.80	19.82	19.78

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	23.00	21.97	21.82	21.87
		1	38	23.00	21.97	21.90	21.95
		1	74	23.00	21.97	21.82	21.84
		36	0	23.00	21.92	21.86	21.92
		36	18	23.00	21.92	21.86	21.92
		36	39	23.00	21.91	21.86	21.92
		75	0	23.00	21.77	21.83	21.84
	16QAM	1	0	23.00	21.91	21.87	21.85
		1	38	23.00	21.90	21.87	21.86
		1	74	23.00	21.90	21.87	21.86
		36	0	22.00	20.94	20.90	20.91
		36	18	22.00	20.91	20.91	20.90
		36	39	22.00	20.94	20.91	20.87
		75	0	22.00	20.82	20.85	20.87
	64QAM	1	0	22.00	21.27	21.21	21.25
		1	38	22.00	21.27	21.19	21.26
		1	74	22.00	21.27	21.20	21.25
		36	0	21.00	20.01	19.97	20.02
		36	18	21.00	20.00	19.97	20.02
		36	39	21.00	20.01	20.02	20.02
		75	0	21.00	19.93	19.84	19.98
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	23.00	21.74	21.65	21.69
		1	50	23.00	**21.74**	21.68	21.69
		1	99	23.00	21.74	21.67	21.69
		50	0	23.00	21.95	22.00	21.97
		50	25	23.00	21.93	21.99	22.01
		50	50	23.00	**22.02**	**22.00**	**22.03**
		100	0	23.00	21.95	21.97	21.97
	16QAM	1	0	23.00	22.03	21.95	21.97
		1	50	23.00	22.07	21.94	21.98
		1	99	23.00	22.02	21.95	21.98
		50	0	22.00	21.12	21.06	21.08
		50	25	22.00	21.09	21.05	21.08
		50	50	22.00	21.11	21.03	21.10
		100	0	22.00	20.91	20.92	20.95
	64QAM	1	0	22.00	21.06	20.95	20.99
		1	50	22.00	21.04	20.99	20.99
		1	99	22.00	21.01	21.01	20.98
		50	0	21.00	20.10	20.00	20.09
		50	25	21.00	20.10	20.00	20.09
		50	50	21.00	20.09	20.00	20.09
		100	0	21.00	20.05	20.13	20.11

Table 79: Conducted power measurement results of LTE Band 38(Full Power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	16.00	14.87	14.78	14.84
		1	13	16.00	14.87	14.77	14.74
		1	24	16.00	14.87	14.78	14.82
		12	0	16.00	14.85	14.80	14.83
		12	6	16.00	14.84	14.80	14.83
		12	13	16.00	14.82	14.80	14.82
		25	0	16.00	14.79	14.76	14.81
	16QAM	1	0	16.00	15.14	15.17	15.16
		1	13	16.00	15.14	15.18	15.09
		1	24	16.00	15.14	15.18	15.15
		12	0	16.00	14.84	14.76	14.85
		12	6	16.00	14.82	14.75	14.85
		12	13	16.00	14.82	14.88	14.86
		25	0	16.00	14.71	14.67	14.82
	64QAM	1	0	16.00	14.84	14.84	14.79
		1	13	16.00	14.84	14.83	14.79
		1	24	16.00	14.84	14.82	14.79
		12	0	16.00	14.80	14.78	14.75
		12	6	16.00	14.79	14.78	14.75
		12	13	16.00	14.78	14.78	14.75
		25	0	16.00	14.79	14.76	14.80
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	16.00	14.96	14.87	14.86
		1	25	16.00	14.95	14.87	14.88
		1	49	16.00	14.96	14.86	14.90
		25	0	16.00	14.86	14.81	14.79
		25	13	16.00	14.86	14.81	14.86
		25	25	16.00	14.84	14.83	14.76
		50	0	16.00	14.71	14.82	14.82
	16QAM	1	0	16.00	14.83	14.77	14.80
		1	25	16.00	14.84	14.80	14.80
		1	49	16.00	14.83	14.77	14.80
		25	0	16.00	14.83	14.83	14.82
		25	13	16.00	14.83	14.83	14.81
		25	25	16.00	14.83	14.83	14.81
		50	0	16.00	14.61	14.70	14.73
	64QAM	1	0	16.00	14.90	14.88	14.85
		1	25	16.00	14.90	14.88	14.90
		1	49	16.00	14.89	14.88	14.84
		25	0	16.00	14.82	14.81	14.84
		25	13	16.00	14.81	14.79	14.81
		25	25	16.00	14.82	14.79	14.84
		50	0	16.00	14.76	14.74	14.75

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	16.00	15.03	14.83	14.94
		1	38	16.00	15.04	14.86	15.00
		1	74	16.00	15.04	14.85	14.94
		36	0	16.00	14.89	14.90	14.93
		36	18	16.00	14.89	14.90	14.89
		36	39	16.00	14.88	14.90	14.93
		75	0	16.00	14.82	14.88	14.86
	16QAM	1	0	16.00	14.84	14.79	14.83
		1	38	16.00	14.84	14.79	14.81
		1	74	16.00	14.83	14.79	14.80
		36	0	16.00	14.90	14.86	14.95
		36	18	16.00	14.90	14.87	14.93
		36	39	16.00	14.91	14.86	14.89
		75	0	16.00	14.79	14.76	14.83
	64QAM	1	0	16.00	14.94	14.84	14.93
		1	38	16.00	14.94	14.89	14.91
		1	74	16.00	14.99	14.87	14.92
		36	0	16.00	14.77	14.86	14.89
		36	18	16.00	14.89	14.88	14.89
		36	39	16.00	14.77	14.96	14.89
		75	0	16.00	14.80	14.80	14.85
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	16.00	14.80	14.66	14.65
		1	50	16.00	14.80	14.78	14.62
		1	99	16.00	**14.81**	14.72	14.62
		50	0	16.00	**14.93**	**14.89**	**14.91**
		50	25	16.00	14.92	14.89	14.91
		50	50	16.00	14.92	14.88	14.90
		100	0	16.00	14.90	14.89	14.81
	16QAM	1	0	16.00	15.10	14.96	14.99
		1	50	16.00	15.11	15.02	14.99
		1	99	16.00	15.12	15.03	14.98
		50	0	16.00	14.91	14.94	14.90
		50	25	16.00	14.91	14.95	14.94
		50	50	16.00	14.92	14.94	14.97
		100	0	16.00	14.79	14.75	14.73
	64QAM	1	0	16.00	14.79	14.71	14.77
		1	50	16.00	14.79	14.71	14.77
		1	99	16.00	14.79	14.70	14.77
		50	0	16.00	14.88	14.85	14.91
		50	25	16.00	14.88	14.85	14.88
		50	50	16.00	14.88	14.85	14.88
		100	0	16.00	14.85	14.84	14.91

Table 80: Conducted power measurement results of LTE Band 38(Reduced Power Level D1)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 37775CH	Channel 38000CH	Channel 38225CH
5MHz	QPSK	1	0	14.50	13.34	13.32	13.40
		1	13	14.50	13.37	13.32	13.40
		1	24	14.50	13.35	13.32	13.40
		12	0	14.50	13.31	13.32	13.39
		12	6	14.50	13.31	13.33	13.37
		12	13	14.50	13.31	13.33	13.38
		25	0	14.50	13.29	13.21	13.29
	16QAM	1	0	14.50	13.27	13.23	13.30
		1	13	14.50	13.26	13.24	13.15
		1	24	14.50	13.26	13.23	13.30
		12	0	14.50	13.28	13.30	13.31
		12	6	14.50	13.28	13.30	13.32
		12	13	14.50	13.28	13.30	13.31
		25	0	14.50	13.16	13.17	13.14
	64QAM	1	0	14.50	13.29	13.30	13.25
		1	13	14.50	13.29	13.29	13.25
		1	24	14.50	13.29	13.29	13.24
		12	0	14.50	13.27	13.33	13.33
		12	6	14.50	13.25	13.33	13.33
		12	13	14.50	13.29	13.28	13.33
		25	0	14.50	13.18	13.18	13.10
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 37800CH	Channel 38000CH	Channel 38200CH
10MHz	QPSK	1	0	14.50	13.47	13.45	13.51
		1	25	14.50	13.47	13.45	13.49
		1	49	14.50	13.47	13.45	13.50
		25	0	14.50	13.31	13.31	13.43
		25	13	14.50	13.32	13.32	13.31
		25	25	14.50	13.33	13.32	13.44
		50	0	14.50	13.31	13.33	13.27
	16QAM	1	0	14.50	13.41	13.39	13.43
		1	25	14.50	13.41	13.39	13.44
		1	49	14.50	13.41	13.39	13.44
		25	0	14.50	13.36	13.36	13.38
		25	13	14.50	13.33	13.36	13.34
		25	25	14.50	13.36	13.36	13.35
		50	0	14.50	13.22	13.22	13.22
	64QAM	1	0	14.50	13.37	13.29	13.37
		1	25	14.50	13.37	13.31	13.38
		1	49	14.50	13.36	13.31	13.38
		25	0	14.50	13.26	13.27	13.32
		25	13	14.50	13.31	13.28	13.32
		25	25	14.50	13.32	13.27	13.31
		50	0	14.50	13.28	13.29	13.29

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	14.50	13.56	13.44	13.53
		1	38	14.50	13.58	13.41	13.53
		1	74	14.50	13.56	13.43	13.53
		36	0	14.50	13.39	13.39	13.46
		36	18	14.50	13.39	13.38	13.46
		36	39	14.50	13.39	13.39	13.46
		75	0	14.50	13.26	13.36	13.37
	16QAM	1	0	14.50	13.55	13.54	13.60
		1	38	14.50	13.64	13.54	13.61
		1	74	14.50	13.57	13.53	13.60
		36	0	14.50	13.38	13.32	13.42
		36	18	14.50	13.37	13.32	13.42
		36	39	14.50	13.38	13.32	13.44
		75	0	14.50	13.32	13.20	13.38
	64QAM	1	0	14.50	13.36	13.34	13.40
		1	38	14.50	13.36	13.34	13.41
		1	74	14.50	13.36	13.34	13.40
		36	0	14.50	13.32	13.38	13.38
		36	18	14.50	13.35	13.37	13.38
		36	39	14.50	13.34	13.38	13.38
		75	0	14.50	13.26	13.23	13.43
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	14.50	13.30	13.25	13.29
		1	50	14.50	13.30	13.26	13.28
		1	99	14.50	13.30	13.26	13.29
		50	0	14.50	13.42	13.45	13.51
		50	25	14.50	13.45	13.43	13.48
		50	50	14.50	13.45	13.43	13.48
		100	0	14.50	13.36	13.37	13.43
	16QAM	1	0	14.50	13.24	13.16	13.28
		1	50	14.50	13.25	13.16	13.26
		1	99	14.50	13.24	13.18	13.25
		50	0	14.50	13.35	13.26	13.36
		50	25	14.50	13.34	13.26	13.35
		50	50	14.50	13.34	13.25	13.35
		100	0	14.50	13.27	13.16	13.34
	64QAM	1	0	14.50	13.21	13.11	13.20
		1	50	14.50	13.21	13.12	13.20
		1	99	14.50	13.21	13.12	13.20
		50	0	14.50	13.43	13.38	13.51
		50	25	14.50	13.43	13.32	13.54
		50	50	14.50	13.43	13.32	13.54
		100	0	14.50	13.31	13.32	13.37

Table 81: Conducted power measurement results of LTE Band 38(Reduced Power Level D3)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	21.50	20.43	20.39	20.40
		1	13	21.50	20.30	20.39	20.40
		1	24	21.50	20.43	20.39	20.40
		12	0	21.50	20.35	20.50	20.55
		12	6	21.50	20.35	20.49	20.55
		12	13	21.50	20.35	20.49	20.55
		25	0	21.50	20.33	20.29	20.44
	16QAM	1	0	21.50	20.59	20.52	20.71
		1	13	21.50	20.64	20.52	20.70
		1	24	21.50	20.59	20.56	20.73
		12	0	21.50	20.30	20.35	20.42
		12	6	21.50	20.30	20.35	20.45
		12	13	21.50	20.30	20.33	20.42
		25	0	21.50	20.23	20.18	20.28
	64QAM	1	0	21.50	20.43	20.39	20.50
		1	13	21.50	20.43	20.39	20.50
		1	24	21.50	20.39	20.39	20.50
		12	0	21.00	19.88	19.86	19.89
		12	6	21.00	19.88	19.86	19.89
		12	13	21.00	19.87	19.82	19.98
		25	0	21.00	19.79	19.81	19.82
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	21.50	20.39	20.33	20.39
		1	25	21.50	20.39	20.33	20.39
		1	49	21.50	20.39	20.37	20.39
		25	0	21.50	20.36	20.37	20.44
		25	13	21.50	20.35	20.44	20.42
		25	25	21.50	20.35	20.45	20.43
		50	0	21.50	20.36	20.30	20.32
	16QAM	1	0	21.50	20.30	20.30	20.36
		1	25	21.50	20.33	20.30	20.37
		1	49	21.50	20.31	20.30	20.36
		25	0	21.50	20.35	20.26	20.39
		25	13	21.50	20.35	20.26	20.39
		25	25	21.50	20.35	20.26	20.39
		50	0	21.50	20.24	20.30	20.32
	64QAM	1	0	21.50	20.38	20.31	20.43
		1	25	21.50	20.38	20.31	20.43
		1	49	21.50	20.43	20.30	20.54
		25	0	21.00	19.84	19.85	19.90
		25	13	21.00	19.85	19.85	19.83
		25	25	21.00	19.85	19.85	19.83
		50	0	21.00	19.86	19.85	19.90

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	21.50	20.63	20.55	20.66
		1	38	21.50	20.51	20.55	20.66
		1	74	21.50	20.63	20.55	20.58
		36	0	21.50	20.48	20.42	20.46
		36	18	21.50	20.46	20.42	20.46
		36	39	21.50	20.43	20.42	20.46
		75	0	21.50	20.45	20.36	20.47
	16QAM	1	0	21.50	20.74	20.68	20.80
		1	38	21.50	20.74	20.68	20.80
		1	74	21.50	20.76	20.68	20.80
		36	0	21.50	20.34	20.39	20.43
		36	18	21.50	20.42	20.39	20.43
		36	39	21.50	20.47	20.39	20.47
		75	0	21.50	20.30	20.38	20.39
	64QAM	1	0	21.50	20.62	20.56	20.58
		1	38	21.50	20.58	20.54	20.62
		1	74	21.50	20.57	20.57	20.61
		36	0	21.00	19.99	19.90	20.03
		36	18	21.00	19.99	19.90	20.03
		36	39	21.00	19.98	19.90	20.02
		75	0	21.00	19.90	19.92	20.00
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	21.50	20.33	20.33	20.35
		1	50	21.50	20.32	20.34	20.43
		1	99	21.50	20.32	20.33	**20.44**
		50	0	21.50	**20.58**	**20.51**	**20.64**
		50	25	21.50	20.57	20.50	20.57
		50	50	21.50	20.56	20.50	20.57
		100	0	21.50	20.51	20.52	20.56
	16QAM	1	0	21.50	20.62	20.48	20.65
		1	50	21.50	20.61	20.54	20.60
		1	99	21.50	20.62	20.53	20.60
		50	0	21.50	20.42	20.42	20.49
		50	25	21.50	20.42	20.43	20.48
		50	50	21.50	20.42	20.43	20.48
		100	0	21.50	20.37	20.42	20.42
	64QAM	1	0	21.50	20.37	20.36	20.40
		1	50	21.50	20.42	20.33	20.39
		1	99	21.50	20.41	20.36	20.39
		50	0	21.00	20.12	20.01	20.16
		50	25	21.00	20.15	20.09	20.14
		50	50	21.00	20.13	20.09	20.17
		100	0	21.00	19.96	20.09	20.06

Table 82: Conducted power measurement results of LTE Band 38(Reduced Power Level D2)

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7.1.26 Conducted power measurements of LTE Band 38 (Main Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	25.00	24.08	24.07	24.02
		1	13	25.00	24.07	24.07	24.02
		1	24	25.00	24.06	24.07	24.02
		12	0	24.00	23.03	23.08	22.93
		12	6	24.00	23.03	23.07	22.93
		12	13	24.00	23.03	23.08	22.92
		25	0	24.00	23.06	22.92	22.88
	16QAM	1	0	24.00	23.20	23.18	23.08
		1	13	24.00	23.20	23.19	23.13
		1	24	24.00	23.20	23.10	23.08
		12	0	23.00	22.02	21.97	21.96
		12	6	23.00	21.99	21.99	21.91
		12	13	23.00	22.01	22.05	21.97
		25	0	23.00	22.08	21.97	21.89
	64QAM	1	0	23.00	22.24	22.23	22.13
		1	13	23.00	22.24	22.23	22.16
		1	24	23.00	22.24	22.23	22.17
		12	0	22.00	21.15	21.14	21.05
		12	6	22.00	21.17	21.13	21.07
		12	13	22.00	21.18	21.13	21.07
		25	0	22.00	21.16	21.11	21.02
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	25.00	24.08	23.97	23.79
		1	25	25.00	24.07	23.97	23.91
		1	49	25.00	24.07	23.96	23.88
		25	0	24.00	23.09	23.01	23.05
		25	13	24.00	23.09	23.01	23.07
		25	25	24.00	23.09	23.01	23.05
		50	0	24.00	22.98	23.02	22.97
	16QAM	1	0	24.00	23.03	22.96	22.88
		1	25	24.00	23.03	22.95	22.88
		1	49	24.00	23.04	22.94	22.88
		25	0	23.00	22.02	22.04	21.99
		25	13	23.00	22.02	22.04	21.99
		25	25	23.00	22.03	22.04	21.99
		50	0	23.00	22.03	21.97	21.93
	64QAM	1	0	23.00	22.27	22.24	22.15
		1	25	23.00	22.26	22.26	22.15
		1	49	23.00	22.26	22.26	22.16
		25	0	22.00	21.27	21.19	21.14
		25	13	22.00	21.27	21.19	21.14
		25	25	22.00	21.27	21.19	21.13
		50	0	22.00	21.13	21.10	21.02

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	25.00	24.21	24.24	24.18
		1	38	25.00	24.19	24.23	24.16
		1	74	25.00	24.19	24.23	24.16
		36	0	24.00	23.10	23.16	23.10
		36	18	24.00	23.10	23.16	23.11
		36	39	24.00	23.09	23.16	23.12
		75	0	24.00	23.17	23.01	23.00
	16QAM	1	0	24.00	23.40	23.31	23.27
		1	38	24.00	23.40	23.31	23.29
		1	74	24.00	23.39	23.35	23.31
		36	0	23.00	22.20	22.22	22.13
		36	18	23.00	22.16	22.18	22.12
		36	39	23.00	22.17	22.19	22.13
		75	0	23.00	22.10	22.04	21.97
	64QAM	1	0	23.00	22.42	22.33	22.32
		1	38	23.00	22.42	22.33	22.35
		1	74	23.00	22.42	22.34	22.34
		36	0	22.00	21.28	21.19	21.19
		36	18	22.00	21.24	21.19	21.15
		36	39	22.00	21.21	21.19	21.15
		75	0	22.00	21.19	21.21	21.04
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	25.00	23.99	**23.92**	**23.93**
		1	50	25.00	**24.08**	23.91	23.92
		1	99	25.00	23.98	23.91	23.92
		50	0	24.00	23.22	23.22	23.18
		50	25	24.00	23.22	**23.23**	23.18
		50	50	24.00	23.22	23.23	23.18
		100	0	24.00	23.27	23.14	23.10
	16QAM	1	0	24.00	23.09	23.05	23.14
		1	50	24.00	23.09	23.05	23.14
		1	99	24.00	23.08	23.05	23.14
		50	0	23.00	22.32	22.22	22.19
		50	25	23.00	22.24	22.21	22.19
		50	50	23.00	22.22	22.23	22.18
		100	0	23.00	22.23	22.19	22.13
	64QAM	1	0	23.00	22.18	22.09	22.08
		1	50	23.00	22.24	22.09	22.07
		1	99	23.00	22.24	22.09	22.13
		50	0	22.00	21.31	21.31	21.29
		50	25	22.00	21.32	21.30	21.29
		50	50	22.00	21.32	21.29	21.29
		100	0	22.00	21.33	21.27	21.20

Table 83: Conducted power measurement results of LTE Band 38(Full Power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	23.00	22.16	22.18	22.01
		1	13	23.00	22.16	22.18	22.01
		1	24	23.00	22.17	22.18	22.01
		12	0	23.00	22.11	22.16	22.04
		12	6	23.00	22.11	22.15	22.04
		12	13	23.00	22.12	22.15	22.05
		25	0	23.00	22.12	22.10	21.90
	16QAM	1	0	23.00	22.64	22.65	22.55
		1	13	23.00	22.66	22.65	22.55
		1	24	23.00	22.65	22.64	22.57
		12	0	23.00	22.21	22.12	22.08
		12	6	23.00	22.21	22.12	22.07
		12	13	23.00	22.21	22.12	22.06
		25	0	23.00	22.07	22.05	21.94
	64QAM	1	0	23.00	22.23	22.22	22.08
		1	13	23.00	22.22	22.22	22.08
		1	24	23.00	22.22	22.22	22.08
		12	0	22.00	21.20	21.17	21.06
		12	6	22.00	21.21	21.16	21.05
		12	13	22.00	21.20	21.21	21.05
		25	0	22.00	21.15	21.14	20.97
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	23.00	22.05	21.96	21.97
		1	25	23.00	22.05	21.96	21.98
		1	49	23.00	22.05	22.03	21.97
		25	0	23.00	22.16	22.14	22.08
		25	13	23.00	22.16	22.14	22.08
		25	25	23.00	22.17	22.14	22.08
		50	0	23.00	22.16	22.11	22.00
	16QAM	1	0	23.00	22.18	22.24	22.15
		1	25	23.00	22.33	22.23	22.15
		1	49	23.00	22.33	22.23	22.15
		25	0	23.00	22.10	22.12	21.99
		25	13	23.00	22.09	22.11	21.97
		25	25	23.00	22.09	22.11	21.97
		50	0	23.00	22.06	21.95	21.86
	64QAM	1	0	23.00	22.21	22.21	22.13
		1	25	23.00	22.25	22.21	22.13
		1	49	23.00	22.25	22.22	22.12
		25	0	22.00	21.20	21.18	21.11
		25	13	22.00	21.20	21.17	21.11
		25	25	22.00	21.20	21.17	21.10
		50	0	22.00	21.14	21.15	21.02

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	23.00	22.31	22.21	22.26
		1	38	23.00	22.31	22.21	22.26
		1	74	23.00	22.31	22.21	22.25
		36	0	23.00	22.22	22.12	22.11
		36	18	23.00	22.24	22.12	22.11
		36	39	23.00	22.25	22.17	22.11
		75	0	23.00	22.18	22.16	22.08
	16QAM	1	0	23.00	22.54	22.40	22.44
		1	38	23.00	22.56	22.40	22.43
		1	74	23.00	22.56	22.40	22.43
		36	0	23.00	22.14	22.12	22.08
		36	18	23.00	22.15	22.12	22.08
		36	39	23.00	22.15	22.12	22.08
		75	0	23.00	22.12	22.01	22.00
	64QAM	1	0	23.00	22.28	22.36	22.29
		1	38	23.00	22.28	22.36	22.29
		1	74	23.00	22.28	22.36	22.29
		36	0	22.00	21.19	21.21	21.14
		36	18	22.00	21.19	21.20	21.14
		36	39	22.00	21.19	21.20	21.14
		75	0	22.00	21.12	21.18	21.08
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	23.00	22.02	21.98	22.03
		1	50	23.00	**22.15**	21.99	22.03
		1	99	23.00	22.03	21.99	22.03
		50	0	23.00	**22.39**	**22.31**	**22.28**
		50	25	23.00	22.38	22.30	22.27
		50	50	23.00	22.38	22.30	22.27
		100	0	23.00	22.24	22.24	22.19
	16QAM	1	0	23.00	22.52	22.42	22.44
		1	50	23.00	22.52	22.42	22.45
		1	99	23.00	22.56	22.42	22.45
		50	0	23.00	22.22	22.27	22.20
		50	25	23.00	22.22	22.25	22.20
		50	50	23.00	22.22	22.24	22.20
		100	0	23.00	22.25	22.18	22.12
	64QAM	1	0	23.00	22.21	22.06	22.03
		1	50	23.00	22.14	22.06	22.04
		1	99	23.00	22.14	22.06	22.04
		50	0	22.00	21.33	21.32	21.31
		50	25	22.00	21.33	21.32	21.27
		50	50	22.00	21.31	21.32	21.29
		100	0	22.00	21.32	21.30	21.25

Table 84: Conducted power measurement results of LTE Band 38(Reduced Power Level D1/D3)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	24.50	23.46	23.49	23.40
		1	13	24.50	23.57	23.49	23.41
		1	24	24.50	23.58	23.48	23.44
		12	0	24.00	23.03	23.08	22.98
		12	6	24.00	23.09	23.04	22.98
		12	13	24.00	23.02	23.07	22.98
		25	0	24.00	23.00	23.05	22.88
	16QAM	1	0	24.00	23.08	23.14	22.99
		1	13	24.00	23.06	23.14	23.01
		1	24	24.00	23.06	23.13	23.00
		12	0	23.00	21.99	22.04	21.89
		12	6	23.00	22.00	22.06	21.98
		12	13	23.00	22.06	22.07	21.98
		25	0	23.00	22.09	22.05	21.96
	64QAM	1	0	23.00	22.19	22.18	22.10
		1	13	23.00	22.19	22.18	22.12
		1	24	23.00	22.19	22.17	22.11
		12	0	22.00	21.25	21.22	21.16
		12	6	22.00	21.26	21.22	21.15
		12	13	22.00	21.25	21.25	21.17
		25	0	22.00	21.11	21.08	21.03
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	24.50	23.57	23.46	23.39
		1	25	24.50	23.57	23.45	23.40
		1	49	24.50	23.57	23.45	23.40
		25	0	24.00	23.11	23.16	23.03
		25	13	24.00	23.12	23.13	23.06
		25	25	24.00	23.11	23.11	23.08
		50	0	24.00	22.91	22.98	22.92
	16QAM	1	0	24.00	23.28	23.18	23.12
		1	25	24.00	23.27	23.18	23.12
		1	49	24.00	23.27	23.17	23.11
		25	0	23.00	22.10	22.06	22.01
		25	13	23.00	22.11	22.06	22.01
		25	25	23.00	22.11	22.07	22.01
		50	0	23.00	22.09	22.00	21.91
	64QAM	1	0	23.00	22.26	22.17	22.16
		1	25	23.00	22.26	22.18	22.16
		1	49	23.00	22.26	22.18	22.16
		25	0	22.00	21.18	21.12	21.08
		25	13	22.00	21.16	21.15	21.10
		25	25	22.00	21.15	21.12	21.07
		50	0	22.00	21.14	21.08	21.00

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	24.50	23.84	23.68	23.67
		1	38	24.50	23.84	23.68	23.67
		1	74	24.50	23.84	23.68	23.66
		36	0	24.00	23.18	23.12	23.09
		36	18	24.00	23.18	23.13	23.09
		36	39	24.00	23.18	23.13	23.09
		75	0	24.00	23.08	23.06	23.01
	16QAM	1	0	24.00	23.66	23.56	23.54
		1	38	24.00	23.66	23.61	23.57
		1	74	24.00	23.65	23.61	23.57
		36	0	23.00	22.23	22.10	22.00
		36	18	23.00	22.22	22.10	22.00
		36	39	23.00	22.23	22.10	22.00
		75	0	23.00	22.11	22.10	22.05
	64QAM	1	0	23.00	22.41	22.31	22.31
		1	38	23.00	22.38	22.32	22.31
		1	74	23.00	22.40	22.31	22.30
		36	0	22.00	21.28	21.24	21.19
		36	18	22.00	21.29	21.24	21.19
		36	39	22.00	21.27	21.24	21.19
		75	0	22.00	21.14	21.09	21.08
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	24.50	23.42	23.48	23.45
		1	50	24.50	23.64	23.48	23.46
		1	99	24.50	23.64	23.48	23.46
		50	0	24.00	23.29	23.19	23.14
		50	25	24.00	23.29	23.19	23.14
		50	50	24.00	23.29	23.19	23.14
		100	0	24.00	23.22	23.21	23.17
	16QAM	1	0	24.00	23.04	22.98	22.94
		1	50	24.00	22.99	22.97	22.94
		1	99	24.00	23.04	22.97	22.94
		50	0	23.00	22.34	22.25	22.21
		50	25	23.00	22.34	22.25	22.20
		50	50	23.00	22.35	22.24	22.20
		100	0	23.00	22.20	22.14	22.14
	64QAM	1	0	23.00	22.16	22.07	22.04
		1	50	23.00	22.17	22.07	22.05
		1	99	23.00	22.11	22.07	22.05
		50	0	22.00	21.40	21.30	21.30
		50	25	22.00	21.39	21.32	21.29
		50	50	22.00	21.37	21.28	21.30
		100	0	22.00	21.30	21.24	21.25

Table 85: Conducted power measurement results of LTE Band 38(Reduced Power Level D2)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	21.00	20.23	20.29	20.25
		1	13	21.00	20.23	20.28	20.25
		1	24	21.00	20.23	20.28	20.24
		12	0	21.00	20.29	20.28	20.24
		12	6	21.00	20.32	20.27	20.24
		12	13	21.00	20.32	20.27	20.23
		25	0	21.00	20.26	20.17	20.19
	16QAM	1	0	21.00	20.51	20.58	20.41
		1	13	21.00	20.47	20.44	20.40
		1	24	21.00	20.51	20.57	20.41
		12	0	21.00	20.19	20.16	20.12
		12	6	21.00	20.20	20.17	20.11
		12	13	21.00	20.18	20.20	20.11
		25	0	21.00	20.23	20.25	20.17
	64QAM	1	0	21.00	20.36	20.30	20.22
		1	13	21.00	20.33	20.30	20.22
		1	24	21.00	20.36	20.30	20.22
		12	0	21.00	20.16	20.18	20.11
		12	6	21.00	20.16	20.19	20.12
		12	13	21.00	20.15	20.18	20.13
		25	0	21.00	20.19	20.21	20.24
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	21.00	20.31	20.33	20.32
		1	25	21.00	20.30	20.34	20.32
		1	49	21.00	20.31	20.33	20.32
		25	0	21.00	20.26	20.24	20.24
		25	13	21.00	20.28	20.24	20.24
		25	25	21.00	20.26	20.24	20.24
		50	0	21.00	20.26	20.25	20.18
	16QAM	1	0	21.00	20.15	20.15	20.15
		1	25	21.00	20.15	20.12	20.15
		1	49	21.00	20.14	20.12	20.16
		25	0	21.00	20.33	20.28	20.23
		25	13	21.00	20.34	20.28	20.23
		25	25	21.00	20.33	20.27	20.23
		50	0	21.00	20.23	20.10	20.06
	64QAM	1	0	21.00	20.47	20.31	20.30
		1	25	21.00	20.47	20.35	20.29
		1	49	21.00	20.47	20.30	20.30
		25	0	21.00	20.32	20.27	20.22
		25	13	21.00	20.32	20.27	20.21
		25	25	21.00	20.33	20.27	20.23
		50	0	21.00	20.25	20.24	20.16

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	21.00	20.45	20.32	20.41
		1	38	21.00	20.45	20.32	20.40
		1	74	21.00	20.45	20.32	20.40
		36	0	21.00	20.39	20.34	20.28
		36	18	21.00	20.37	20.33	20.29
		36	39	21.00	20.36	20.33	20.28
		75	0	21.00	20.36	20.28	20.25
	16QAM	1	0	21.00	20.04	19.99	19.96
		1	38	21.00	20.03	19.97	19.96
		1	74	21.00	20.04	19.95	19.96
		36	0	21.00	20.36	20.29	20.21
		36	18	21.00	20.36	20.29	20.21
		36	39	21.00	20.36	20.31	20.22
		75	0	21.00	20.28	20.21	20.17
	64QAM	1	0	21.00	20.54	20.43	20.48
		1	38	21.00	20.54	20.44	20.48
		1	74	21.00	20.54	20.43	20.47
		36	0	21.00	20.31	20.39	20.30
		36	18	21.00	20.32	20.39	20.30
		36	39	21.00	20.31	20.39	20.30
		75	0	21.00	20.19	20.23	20.25
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	21.00	20.30	20.12	20.16
		1	50	21.00	20.30	20.12	20.16
		1	99	21.00	20.30	20.14	20.16
		50	0	21.00	20.50	20.45	20.44
		50	25	21.00	20.50	20.44	20.44
		50	50	21.00	20.51	20.46	20.43
		100	0	21.00	20.45	20.44	20.38
	16QAM	1	0	21.00	20.47	20.27	20.31
		1	50	21.00	20.44	20.27	20.32
		1	99	21.00	20.44	20.27	20.32
		50	0	21.00	20.49	20.41	20.39
		50	25	21.00	20.48	20.40	20.40
		50	50	21.00	20.56	20.42	20.39
		100	0	21.00	20.34	20.29	20.28
	64QAM	1	0	21.00	20.42	20.35	20.29
		1	50	21.00	20.42	20.35	20.29
		1	99	21.00	20.42	20.35	20.29
		50	0	21.00	20.48	20.46	20.49
		50	25	21.00	20.47	20.46	20.47
		50	50	21.00	20.48	20.47	20.49
		100	0	21.00	20.34	20.33	20.35

Table 86: Conducted power measurement results of LTE Band 38(Reduced Power Level D4)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	22.50	21.58	21.52	21.50
		1	13	22.50	21.57	21.52	21.53
		1	24	22.50	21.57	21.52	21.50
		12	0	22.50	21.63	21.60	21.61
		12	6	22.50	21.62	21.60	21.44
		12	13	22.50	21.59	21.60	21.55
		25	0	22.50	21.54	21.48	21.55
	16QAM	1	0	22.50	21.93	21.86	21.97
		1	13	22.50	21.93	21.93	21.84
		1	24	22.50	21.93	21.86	21.91
		12	0	22.50	21.68	21.65	21.53
		12	6	22.50	21.67	21.66	21.53
		12	13	22.50	21.78	21.65	21.52
		25	0	22.50	21.48	21.44	21.31
	64QAM	1	0	22.50	21.89	21.86	21.71
		1	13	22.50	21.89	21.86	21.71
		1	24	22.50	21.89	21.86	21.71
		12	0	22.00	21.19	21.15	21.11
		12	6	22.00	21.18	21.16	21.09
		12	13	22.00	21.18	21.17	21.09
		25	0	22.00	21.19	21.08	21.04
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	22.50	21.65	21.58	21.55
		1	25	22.50	21.64	21.58	21.55
		1	49	22.50	21.67	21.58	21.55
		25	0	22.50	21.61	21.60	21.49
		25	13	22.50	21.61	21.60	21.49
		25	25	22.50	21.61	21.60	21.50
		50	0	22.50	21.56	21.59	21.50
	16QAM	1	0	22.50	21.62	21.57	21.54
		1	25	22.50	21.58	21.60	21.55
		1	49	22.50	21.58	21.60	21.54
		25	0	22.50	21.61	21.62	21.58
		25	13	22.50	21.61	21.62	21.58
		25	25	22.50	21.60	21.62	21.58
		50	0	22.50	21.53	21.51	21.38
	64QAM	1	0	22.50	21.88	21.80	21.81
		1	25	22.50	21.88	21.81	21.80
		1	49	22.50	21.88	21.80	21.80
		25	0	22.00	21.13	21.15	21.07
		25	13	22.00	21.17	21.15	21.12
		25	25	22.00	21.17	21.15	21.06
		50	0	22.00	21.13	21.08	21.01

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	22.50	21.88	21.79	21.73
		1	38	22.50	21.88	21.80	21.73
		1	74	22.50	21.88	21.80	21.73
		36	0	22.50	21.64	21.66	21.69
		36	18	22.50	21.64	21.65	21.68
		36	39	22.50	21.64	21.66	21.69
		75	0	22.50	21.66	21.57	21.57
	16QAM	1	0	22.50	21.96	21.92	21.87
		1	38	22.50	21.96	21.92	21.87
		1	74	22.50	21.96	21.86	21.87
		36	0	22.50	21.66	21.59	21.55
		36	18	22.50	21.66	21.59	21.55
		36	39	22.50	21.67	21.59	21.55
		75	0	22.50	21.55	21.52	21.52
	64QAM	1	0	22.50	22.02	21.98	21.91
		1	38	22.50	22.02	21.98	21.90
		1	74	22.50	22.02	21.98	21.90
		36	0	22.00	21.19	21.21	21.11
		36	18	22.00	21.19	21.21	21.12
		36	39	22.00	21.19	21.21	21.12
		75	0	22.00	21.17	21.15	21.12
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	22.50	21.70	21.53	21.56
		1	50	22.50	21.70	21.53	21.56
		1	99	22.50	21.71	21.54	21.56
		50	0	22.50	21.79	21.86	21.77
		50	25	22.50	21.78	21.85	21.76
		50	50	22.50	21.78	21.84	21.76
		100	0	22.50	21.79	21.71	21.65
	16QAM	1	0	22.50	21.92	21.87	21.79
		1	50	22.50	21.95	21.87	21.79
		1	99	22.50	21.91	21.87	21.79
		50	0	22.50	21.77	21.65	21.67
		50	25	22.50	21.77	21.65	21.66
		50	50	22.50	21.77	21.66	21.66
		100	0	22.50	21.70	21.67	21.63
	64QAM	1	0	22.50	21.84	21.71	21.75
		1	50	22.50	21.80	21.71	21.76
		1	99	22.50	21.82	21.71	21.75
		50	0	22.00	21.35	21.32	21.28
		50	25	22.00	21.36	21.32	21.28
		50	50	22.00	21.34	21.32	21.33
		100	0	22.00	21.24	21.20	21.19

Table 87: Conducted power measurement results of LTE Band 38(Reduced Power Level D5)

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7.1.27 Conducted power measurements of LTE Band 41 (Second Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	24.20	22.88	22.82	22.94	23.02
		1	13	24.20	22.88	22.75	22.93	22.91
		1	24	24.20	22.88	22.73	22.93	22.91
		12	0	23.20	21.93	21.78	21.87	21.93
		12	6	23.20	21.93	21.77	21.93	21.94
		12	13	23.20	21.94	21.78	21.94	21.94
		25	0	23.20	21.79	21.73	21.81	21.85
	16QAM	1	0	23.20	22.06	22.05	22.23	22.17
		1	13	23.20	22.06	22.07	22.20	22.18
		1	24	23.20	22.06	22.05	22.20	22.18
		12	0	22.20	20.93	20.77	20.93	21.03
		12	6	22.20	20.94	20.85	20.90	21.03
		12	13	22.20	20.93	20.81	20.90	21.03
		25	0	22.20	20.97	20.75	20.87	20.93
	64QAM	1	0	22.20	21.05	21.07	21.18	21.14
		1	13	22.20	21.04	21.08	21.15	21.14
		1	24	22.20	21.07	21.08	21.16	21.14
		12	0	21.20	20.04	19.77	19.82	19.96
		12	6	21.20	20.03	19.89	19.82	19.96
		12	13	21.20	20.04	19.90	19.84	19.96
		25	0	21.20	19.83	19.86	19.83	19.90
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40090CH	40457CH	40823CH	41190CH
10MHz	QPSK	1	0	24.20	22.84	22.76	22.82	22.98
		1	25	24.20	22.84	22.76	22.82	22.98
		1	49	24.20	22.84	22.76	22.82	22.98
		25	0	23.20	21.89	21.80	21.83	22.08
		25	13	23.20	21.90	21.81	21.81	22.08
		25	25	23.20	21.89	21.82	21.91	22.08
		50	0	23.20	21.85	21.77	21.84	21.90
	16QAM	1	0	23.20	22.04	22.08	22.16	22.22
		1	25	23.20	22.04	22.12	21.98	22.15
		1	49	23.20	22.04	22.10	21.98	22.15
		25	0	22.20	20.84	20.76	20.78	20.87
		25	13	22.20	20.81	20.75	20.80	20.86
		25	25	22.20	20.85	20.76	20.80	20.87
		50	0	22.20	20.83	20.64	20.71	20.80
	64QAM	1	0	22.20	21.11	21.04	21.21	21.22
		1	25	22.20	21.10	21.19	21.22	21.22
		1	49	22.20	21.09	21.19	21.23	21.22
		25	0	21.20	19.86	19.80	19.81	19.85
		25	13	21.20	19.83	19.79	19.81	19.88
		25	25	21.20	19.86	19.81	19.81	19.94
		50	0	21.20	19.97	19.74	19.89	19.99

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	24.20	22.96	22.86	22.84	23.12
		1	38	24.20	22.90	22.84	22.84	23.11
		1	74	24.20	22.95	22.85	22.84	23.11
		36	0	23.20	21.91	21.86	21.84	22.14
		36	18	23.20	21.91	21.87	21.86	22.14
		36	39	23.20	21.91	21.85	21.84	22.14
		75	0	23.20	21.83	21.75	21.82	21.92
	16QAM	1	0	23.20	21.83	21.70	21.95	22.03
		1	38	23.20	21.82	21.70	21.95	22.03
		1	74	23.20	21.83	21.70	21.94	22.03
		36	0	22.20	20.90	20.86	20.96	21.15
		36	18	22.20	20.94	20.86	20.97	21.14
		36	39	22.20	20.93	20.86	20.97	21.14
		75	0	22.20	20.92	20.84	20.76	20.98
	64QAM	1	0	22.20	21.12	21.01	21.21	21.25
		1	38	22.20	21.12	21.16	21.07	21.28
		1	74	22.20	21.10	21.16	21.21	21.28
		36	0	21.20	19.93	19.82	19.88	20.08
		36	18	21.20	19.92	19.82	19.88	20.08
		36	39	21.20	19.87	19.82	19.88	20.09
		75	0	21.20	19.88	19.78	19.78	19.84
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	24.20	**22.82**	22.83	**22.79**	**22.95**
		1	50	24.20	22.80	**22.84**	22.78	22.94
		1	99	24.20	22.81	22.83	22.78	22.94
		50	0	23.20	21.92	21.83	21.83	21.97
		50	25	23.20	21.93	21.82	21.83	21.96
		50	50	23.20	21.93	21.82	21.82	**22.00**
		100	0	23.20	21.85	21.75	21.85	21.93
	16QAM	1	0	23.20	22.01	21.95	22.05	22.20
		1	50	23.20	22.01	22.07	22.06	22.20
		1	99	23.20	22.01	21.95	22.05	22.20
		50	0	22.20	20.87	20.76	20.76	20.90
		50	25	22.20	20.86	20.76	20.76	20.93
		50	50	22.20	20.87	20.76	20.76	20.90
		100	0	22.20	20.75	20.64	20.73	20.81
	64QAM	1	0	22.20	21.02	21.00	21.00	21.17
		1	50	22.20	21.02	20.95	20.99	21.17
		1	99	22.20	21.02	21.00	21.00	21.16
		50	0	21.20	19.88	19.77	19.81	19.89
		50	25	21.20	19.88	19.79	19.80	19.92
		50	50	21.20	19.89	19.80	19.80	19.92
		100	0	21.20	19.83	19.69	19.80	19.89

Table 88: Conducted power measurement results of LTE Band 41(Full Power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	16.20	14.90	14.81	14.89	15.00
		1	13	16.20	14.90	14.79	14.88	14.94
		1	24	16.20	14.90	14.78	14.89	14.94
		12	0	16.20	15.08	14.90	14.86	15.13
		12	6	16.20	15.08	14.90	14.85	15.11
		12	13	16.20	15.08	14.91	14.85	15.04
		25	0	16.20	15.01	14.89	14.86	14.94
	16QAM	1	0	16.20	15.22	15.12	15.15	15.20
		1	13	16.20	15.21	15.12	15.21	15.22
		1	24	16.20	15.20	15.13	15.21	15.18
		12	0	16.20	15.07	14.90	14.94	15.04
		12	6	16.20	15.04	14.89	14.88	15.05
		12	13	16.20	15.07	14.90	14.88	15.05
		25	0	16.20	15.05	14.93	14.89	14.95
	64QAM	1	0	16.20	15.20	15.11	15.20	15.13
		1	13	16.20	15.20	15.10	15.08	15.13
		1	24	16.20	15.19	15.10	15.07	15.13
		12	0	16.20	15.06	14.82	14.92	15.03
		12	6	16.20	15.06	14.92	14.92	15.03
		12	13	16.20	15.05	14.91	14.92	15.03
		25	0	16.20	14.95	14.83	14.85	14.90
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40090CH	40457CH	40823CH	41190CH
10MHz	QPSK	1	0	16.20	14.98	14.79	14.84	15.06
		1	25	16.20	14.99	14.79	14.84	15.05
		1	49	16.20	14.98	14.79	14.82	15.05
		25	0	16.20	15.04	14.86	14.96	15.05
		25	13	16.20	14.88	14.92	14.96	15.04
		25	25	16.20	14.88	14.90	14.96	15.04
		50	0	16.20	14.98	14.86	14.84	14.91
	16QAM	1	0	16.20	15.19	15.08	15.12	15.25
		1	25	16.20	15.19	15.07	15.12	15.24
		1	49	16.20	15.18	15.08	15.12	15.24
		25	0	16.20	14.99	14.87	14.80	15.01
		25	13	16.20	15.01	14.87	14.79	15.05
		25	25	16.20	14.97	14.87	14.79	15.06
		50	0	16.20	14.90	14.72	14.74	14.80
	64QAM	1	0	16.20	15.18	15.14	15.14	15.29
		1	25	16.20	15.24	15.14	15.14	15.29
		1	49	16.20	15.22	15.14	15.15	15.24
		25	0	16.20	15.01	14.77	14.85	14.96
		25	13	16.20	14.95	14.82	14.88	14.96
		25	25	16.20	15.01	14.83	14.88	14.93
		50	0	16.20	15.01	14.81	14.91	14.99

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	16.20	15.07	14.85	14.85	15.14
		1	38	16.20	14.95	14.85	14.85	15.15
		1	74	16.20	15.07	14.85	14.88	15.14
		36	0	16.20	14.91	14.94	14.93	15.09
		36	18	16.20	15.03	14.94	14.98	15.09
		36	39	16.20	15.03	14.94	14.96	15.09
		75	0	16.20	14.99	14.75	14.86	15.01
	16QAM	1	0	16.20	14.94	14.79	14.85	15.04
		1	38	16.20	15.01	14.79	14.86	15.04
		1	74	16.20	14.93	14.79	14.85	15.04
		36	0	16.20	15.01	14.93	15.07	15.08
		36	18	16.20	15.05	14.94	15.07	15.08
		36	39	16.20	15.05	14.94	15.06	15.08
		75	0	16.20	14.93	14.78	14.84	14.97
	64QAM	1	0	16.20	15.16	15.10	15.11	15.20
		1	38	16.20	15.17	15.10	15.10	15.20
		1	74	16.20	15.19	15.11	15.11	15.22
		36	0	16.20	15.02	14.90	14.91	15.04
		36	18	16.20	15.03	14.90	14.90	15.04
		36	39	16.20	14.99	14.91	14.91	15.04
		75	0	16.20	14.92	14.77	14.82	14.92
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	16.20	**14.88**	**14.83**	**14.76**	**14.82**
		1	50	16.20	14.84	14.83	14.76	14.82
		1	99	16.20	14.84	14.83	14.76	14.82
		50	0	16.20	15.05	14.94	14.93	15.11
		50	25	16.20	15.05	14.92	14.97	**15.12**
		50	50	16.20	15.05	14.93	14.95	15.08
		100	0	16.20	14.95	14.77	14.88	15.06
	16QAM	1	0	16.20	15.06	15.00	15.05	15.14
		1	50	16.20	15.07	15.00	15.05	15.16
		1	99	16.20	15.07	15.00	15.05	15.16
		50	0	16.20	15.00	14.93	14.92	14.98
		50	25	16.20	15.00	14.93	14.93	15.08
		50	50	16.20	15.01	14.92	14.93	14.98
		100	0	16.20	14.92	14.68	14.77	14.84
	64QAM	1	0	16.20	15.09	14.97	15.07	15.13
		1	50	16.20	15.08	14.96	15.07	15.13
		1	99	16.20	15.05	14.96	15.07	15.13
		50	0	16.20	14.99	14.79	14.79	14.97
		50	25	16.20	14.99	14.79	14.79	14.91
		50	50	16.20	14.99	14.79	14.79	14.92
		100	0	16.20	14.97	14.72	14.83	14.88

Table 89: Conducted power measurement results of LTE Band 41(Reduced Power Level D1)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 40065CH	Channel 40448CH	Channel 40832CH	Channel 41215CH
5MHz	QPSK	1	0	14.70	13.48	13.45	13.37	13.48
		1	13	14.70	13.47	13.45	13.37	13.48
		1	24	14.70	13.47	13.45	13.38	13.36
		12	0	14.70	13.52	13.46	13.40	13.48
		12	6	14.70	13.51	13.46	13.39	13.48
		12	13	14.70	13.51	13.46	13.40	13.49
		25	0	14.70	13.36	13.31	13.32	13.49
	16QAM	1	0	14.70	13.56	13.56	13.56	13.67
		1	13	14.70	13.56	13.53	13.58	13.56
		1	24	14.70	13.56	13.53	13.58	13.56
		12	0	14.70	13.44	13.29	13.32	13.54
		12	6	14.70	13.45	13.29	13.32	13.55
		12	13	14.70	13.44	13.29	13.31	13.55
		25	0	14.70	13.46	13.39	13.39	13.46
	64QAM	1	0	14.70	13.51	13.41	13.34	13.48
		1	13	14.70	13.51	13.34	13.38	13.41
		1	24	14.70	13.51	13.34	13.36	13.40
		12	0	14.70	13.57	13.36	13.42	13.52
		12	6	14.70	13.53	13.37	13.42	13.52
		12	13	14.70	13.57	13.36	13.42	13.52
		25	0	14.70	13.44	13.33	13.47	13.50
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 40090CH	Channel 40457CH	Channel 40823CH	Channel 41190CH
10MHz	QPSK	1	0	14.70	13.46	13.40	13.44	13.52
		1	25	14.70	13.49	13.39	13.44	13.52
		1	49	14.70	13.46	13.40	13.43	13.52
		25	0	14.70	13.60	13.43	13.36	13.41
		25	13	14.70	13.51	13.45	13.36	13.44
		25	25	14.70	13.51	13.43	13.37	13.42
		50	0	14.70	13.47	13.37	13.41	13.49
	16QAM	1	0	14.70	13.78	13.70	13.70	13.80
		1	25	14.70	13.79	13.70	13.70	13.84
		1	49	14.70	13.78	13.70	13.70	13.81
		25	0	14.70	13.31	13.35	13.30	13.44
		25	13	14.70	13.33	13.35	13.30	13.44
		25	25	14.70	13.47	13.34	13.31	13.47
		50	0	14.70	13.35	13.26	13.23	13.42
	64QAM	1	0	14.70	13.56	13.44	13.44	13.51
		1	25	14.70	13.54	13.39	13.44	13.52
		1	49	14.70	13.54	13.29	13.44	13.51
		25	0	14.70	13.45	13.36	13.27	13.44
		25	13	14.70	13.43	13.36	13.31	13.44
		25	25	14.70	13.42	13.36	13.32	13.49
		50	0	14.70	13.43	13.28	13.38	13.45

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 40115CH	Channel 40465CH	Channel 40815CH	Channel 41165CH
15MHz	QPSK	1	0	14.70	13.56	13.46	13.46	13.61
		1	38	14.70	13.42	13.45	13.47	13.59
		1	74	14.70	13.45	13.45	13.45	13.61
		36	0	14.70	13.44	13.41	13.34	13.47
		36	18	14.70	13.51	13.44	13.35	13.47
		36	39	14.70	13.57	13.42	13.34	13.47
		75	0	14.70	13.38	13.34	13.48	13.48
	16QAM	1	0	14.70	13.44	13.35	13.37	13.52
		1	38	14.70	13.46	13.35	13.37	13.48
		1	74	14.70	13.31	13.36	13.37	13.48
		36	0	14.70	13.36	13.41	13.42	13.52
		36	18	14.70	13.36	13.42	13.45	13.54
		36	39	14.70	13.35	13.41	13.46	13.50
		75	0	14.70	13.39	13.28	13.28	13.47
	64QAM	1	0	14.70	13.51	13.30	13.40	13.32
		1	38	14.70	13.50	13.27	13.41	13.26
		1	74	14.70	13.51	13.32	13.41	13.31
		36	0	14.70	13.56	13.45	13.46	13.25
		36	18	14.70	13.41	13.46	13.46	13.25
		36	39	14.70	13.41	13.46	13.45	13.41
		75	0	14.70	13.34	13.36	13.36	13.41
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 40140CH	Channel 40473CH	Channel 40807CH	Channel 41140CH
20MHz	QPSK	1	0	14.70	13.23	13.31	13.43	13.28
		1	50	14.70	13.15	13.30	13.51	13.44
		1	99	14.70	13.30	13.34	13.66	13.56
		50	0	14.70	13.45	13.55	13.47	13.58
		50	25	14.70	13.38	13.45	13.52	13.68
		50	50	14.70	13.38	13.47	13.55	13.58
		100	0	14.70	13.39	13.44	13.57	13.72
	16QAM	1	0	14.70	13.43	13.30	13.63	13.58
		1	50	14.70	13.16	13.04	13.58	13.44
		1	99	14.70	13.45	13.48	13.55	13.53
		50	0	14.70	13.46	13.45	13.56	13.43
		50	25	14.70	13.42	13.44	13.54	13.47
		50	50	14.70	13.36	13.57	13.65	13.69
		100	0	14.70	13.38	13.44	13.62	13.66
	64QAM	1	0	14.70	13.32	13.30	13.67	13.74
		1	50	14.70	13.18	13.05	13.51	13.38
		1	99	14.70	13.58	13.49	13.40	13.61
		50	0	14.70	13.50	13.54	13.58	13.54
		50	25	14.70	13.30	13.49	13.61	13.47
		50	50	14.70	13.40	13.54	13.64	13.72
		100	0	14.70	13.39	13.45	13.57	13.71

Table 90: Conducted power measurement results of LTE Band 41(Reduced Power Level D3)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 40065CH	Channel 40448CH	Channel 40832CH	Channel 41215CH
5MHz	QPSK	1	0	22.70	21.48	21.40	21.45	21.54
		1	13	22.70	21.47	21.40	21.43	21.54
		1	24	22.70	21.47	21.40	21.44	21.54
		12	0	22.70	21.50	21.38	21.50	21.65
		12	6	22.70	21.52	21.38	21.49	21.65
		12	13	22.70	21.52	21.42	21.49	21.67
		25	0	22.70	21.37	21.37	21.40	21.53
	16QAM	1	0	22.70	21.64	21.75	21.74	21.83
		1	13	22.70	21.64	21.69	21.74	21.79
		1	24	22.70	21.63	21.73	21.74	21.80
		12	0	22.20	20.77	20.70	20.78	20.88
		12	6	22.20	20.77	20.70	20.78	20.88
		12	13	22.20	20.77	20.70	20.79	20.88
		25	0	22.20	21.02	20.72	20.82	20.89
	64QAM	1	0	22.20	20.88	20.87	20.93	20.94
		1	13	22.20	20.88	20.85	20.88	20.94
		1	24	22.20	20.88	20.85	20.88	20.94
		12	0	21.20	19.90	19.75	19.87	19.94
		12	6	21.20	19.86	19.76	19.86	19.95
		12	13	21.20	19.90	19.75	19.88	19.95
		25	0	21.20	19.83	19.83	19.89	19.90
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 40090CH	Channel 40457CH	Channel 40823CH	Channel 41190CH
10MHz	QPSK	1	0	22.70	21.53	21.44	21.37	21.59
		1	25	22.70	21.49	21.45	21.37	21.57
		1	49	22.70	21.53	21.44	21.36	21.57
		25	0	22.70	21.48	21.41	21.46	21.58
		25	13	22.70	21.50	21.38	21.49	21.56
		25	25	22.70	21.51	21.43	21.44	21.58
		50	0	22.70	21.40	21.32	21.43	21.51
	16QAM	1	0	22.70	21.78	21.64	21.62	21.80
		1	25	22.70	21.78	21.64	21.61	21.82
		1	49	22.70	21.78	21.64	21.63	21.75
		25	0	22.20	20.81	20.75	20.77	20.98
		25	13	22.20	20.82	20.75	20.71	20.98
		25	25	22.20	20.84	20.75	20.71	20.83
		50	0	22.20	20.84	20.62	20.72	20.83
	64QAM	1	0	22.20	20.92	20.84	21.02	21.00
		1	25	22.20	20.89	20.81	21.01	21.00
		1	49	22.20	20.89	20.84	21.02	21.00
		25	0	21.20	19.81	19.75	19.77	19.86
		25	13	21.20	19.79	19.74	19.78	19.85
		25	25	21.20	19.79	19.73	19.78	19.83
		50	0	21.20	19.83	19.73	19.84	20.00

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	22.70	21.62	21.49	21.51	21.45
		1	38	22.70	21.49	21.49	21.51	21.45
		1	74	22.70	21.49	21.46	21.50	21.45
		36	0	22.70	21.44	21.48	21.51	21.65
		36	18	22.70	21.47	21.48	21.50	21.63
		36	39	22.70	21.54	21.49	21.50	21.56
		75	0	22.70	21.34	21.35	21.45	21.54
	16QAM	1	0	22.70	21.47	21.43	21.46	21.43
		1	38	22.70	21.51	21.41	21.45	21.59
		1	74	22.70	21.38	21.44	21.46	21.60
		36	0	22.20	20.87	20.83	20.85	21.11
		36	18	22.20	20.87	20.82	20.86	21.08
		36	39	22.20	20.87	20.83	20.90	21.11
		75	0	22.20	20.72	20.77	20.76	20.82
	64QAM	1	0	22.20	20.91	20.84	20.86	21.04
		1	38	22.20	20.91	20.83	20.86	21.09
		1	74	22.20	20.91	20.83	21.00	21.04
		36	0	21.20	19.90	19.86	19.92	20.13
		36	18	21.20	19.96	19.86	19.92	20.13
		36	39	21.20	19.96	19.86	19.92	20.13
		75	0	21.20	19.92	19.73	19.83	20.02
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	22.70	**21.48**	21.34	21.36	21.34
		1	50	22.70	21.47	21.34	21.36	21.34
		1	99	22.70	21.30	21.34	21.36	21.34
		50	0	22.70	**21.59**	**21.51**	**21.48**	**21.58**
		50	25	22.70	21.58	21.50	21.47	21.57
		50	50	22.70	21.58	21.50	21.47	21.57
		100	0	22.70	21.49	21.32	21.38	21.42
	16QAM	1	0	22.70	21.71	21.43	21.55	21.53
		1	50	22.70	21.70	21.45	21.55	21.54
		1	99	22.70	21.69	21.57	21.55	21.54
		50	0	22.20	20.85	20.74	20.76	20.89
		50	25	22.20	20.87	20.74	20.78	20.89
		50	50	22.20	20.86	20.74	20.76	20.89
		100	0	22.20	20.75	20.67	20.77	20.83
	64QAM	1	0	22.20	20.88	20.84	20.83	20.98
		1	50	22.20	20.88	20.74	20.81	20.99
		1	99	22.20	20.88	20.74	20.82	20.99
		50	0	21.20	19.88	19.77	19.81	19.89
		50	25	21.20	19.91	19.79	19.85	19.91
		50	50	21.20	19.90	19.80	19.84	19.93
		100	0	21.20	19.99	19.76	19.79	19.92

Table 91: Conducted power measurement results of LTE Band 41(Reduced Power Level D2)

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7.1.28 Conducted power measurements of LTE Band 41 (Main Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	25.20	24.02	24.07	24.10	24.15
		1	13	25.20	24.02	24.07	24.10	24.15
		1	24	25.20	24.02	24.07	24.10	24.15
		12	0	24.20	23.04	23.05	23.01	23.12
		12	6	24.20	23.06	23.05	23.01	23.12
		12	13	24.20	23.04	23.04	23.01	23.12
		25	0	24.20	22.98	23.04	23.01	23.05
	16QAM	1	0	24.20	23.30	23.37	23.41	23.32
		1	13	24.20	23.30	23.37	23.40	23.46
		1	24	24.20	23.31	23.37	23.41	23.47
		12	0	23.20	22.10	22.04	22.04	22.12
		12	6	23.20	22.09	22.04	22.02	22.11
		12	13	23.20	22.08	22.04	22.02	22.11
		25	0	23.20	22.10	21.97	21.87	21.98
	64QAM	1	0	23.20	22.10	22.14	22.14	22.19
		1	13	23.20	22.29	22.13	22.15	22.17
		1	24	23.20	22.15	22.15	22.11	22.15
		12	0	22.20	21.07	20.91	20.86	20.92
		12	6	22.20	20.97	20.93	20.86	20.93
		12	13	22.20	20.97	20.93	20.86	20.93
		25	0	22.20	21.20	21.03	20.98	21.05
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40090CH	40457CH	40823CH	41190CH
10MHz	QPSK	1	0	25.20	24.30	24.27	24.12	24.28
		1	25	25.20	24.30	24.29	24.14	24.20
		1	49	25.20	24.29	24.28	24.16	24.20
		25	0	24.20	23.06	23.22	23.02	23.04
		25	13	24.20	23.06	23.22	23.01	23.04
		25	25	24.20	23.24	23.05	23.02	23.04
		50	0	24.20	23.20	23.00	22.96	23.00
	16QAM	1	0	24.20	23.00	22.85	22.76	22.82
		1	25	24.20	23.00	22.84	22.76	22.98
		1	49	24.20	23.00	22.84	22.76	22.99
		25	0	23.20	22.22	22.19	22.00	22.07
		25	13	23.20	22.22	22.19	21.99	22.06
		25	25	23.20	22.22	22.19	22.00	22.07
		50	0	23.20	22.01	21.88	21.95	21.88
	64QAM	1	0	23.20	22.35	22.19	22.14	22.20
		1	25	23.20	22.35	22.18	22.10	22.29
		1	49	23.20	22.35	22.19	22.15	22.29
		25	0	22.20	21.23	21.21	21.03	21.09
		25	13	22.20	21.27	21.21	21.03	21.06
		25	25	22.20	21.26	21.19	21.02	21.06
		50	0	22.20	21.08	21.02	21.13	21.18

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	25.20	24.11	24.12	24.04	24.32
		1	38	25.20	24.11	24.26	24.05	24.33
		1	74	25.20	24.11	24.12	24.05	24.31
		36	0	24.20	23.09	23.10	23.06	23.12
		36	18	24.20	23.09	23.11	23.06	23.12
		36	39	24.20	23.09	23.10	23.06	23.12
		75	0	24.20	23.05	23.03	22.94	23.00
	16QAM	1	0	24.20	22.89	22.90	22.84	23.07
		1	38	24.20	22.89	22.90	22.79	23.02
		1	74	24.20	22.86	22.90	22.78	22.93
		36	0	23.20	22.26	22.07	21.99	22.10
		36	18	23.20	22.09	22.06	21.99	22.10
		36	39	23.20	22.27	22.06	22.04	22.10
		75	0	23.20	21.94	21.93	21.89	21.94
	64QAM	1	0	23.20	22.12	22.13	22.09	22.21
		1	38	23.20	22.12	22.15	22.07	22.36
		1	74	23.20	22.12	22.15	22.09	22.36
		36	0	22.20	21.05	21.03	20.98	21.03
		36	18	22.20	21.18	21.03	20.98	21.03
		36	39	22.20	21.05	21.03	20.98	21.03
		75	0	22.20	21.04	20.93	21.10	21.17
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	25.20	**24.00**	**23.98**	**23.99**	**24.14**
		1	50	25.20	23.98	23.97	23.98	24.13
		1	99	25.20	23.98	23.97	23.98	24.13
		50	0	24.20	**23.10**	23.03	23.00	23.09
		50	25	24.20	23.08	23.07	22.96	23.06
		50	50	24.20	23.09	23.07	23.02	23.06
		100	0	24.20	23.10	22.99	22.98	23.03
	16QAM	1	0	24.20	23.30	23.26	23.17	23.26
		1	50	24.20	23.30	23.26	23.16	23.26
		1	99	24.20	23.26	23.26	23.16	23.29
		50	0	23.20	22.06	22.06	22.01	22.13
		50	25	23.20	22.07	22.06	22.09	22.13
		50	50	23.20	22.06	22.05	22.01	22.13
		100	0	23.20	21.97	21.93	22.05	21.98
	64QAM	1	0	23.20	22.09	22.20	22.13	22.20
		1	50	23.20	22.16	22.18	22.12	22.20
		1	99	23.20	22.07	22.19	22.05	22.19
		50	0	22.20	21.10	21.10	21.01	21.09
		50	25	22.20	21.28	21.11	21.01	21.13
		50	50	22.20	21.10	21.09	21.01	21.13
		100	0	22.20	20.97	21.00	20.89	20.95

Table 92: Conducted power measurement results of LTE Band 41(Full Power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 40065CH	Channel 40448CH	Channel 40832CH	Channel 41215CH
5MHz	QPSK	1	0	23.20	22.19	22.19	22.02	22.18
		1	13	23.20	22.19	22.17	22.13	22.18
		1	24	23.20	22.19	22.19	22.02	22.18
		12	0	23.20	22.23	22.17	22.12	22.21
		12	6	23.20	22.19	22.17	22.12	22.21
		12	13	23.20	22.19	22.16	22.12	22.21
		25	0	23.20	22.06	22.01	22.02	22.16
	16QAM	1	0	23.20	22.74	22.65	22.47	22.65
		1	13	23.20	22.75	22.68	22.47	22.65
		1	24	23.20	22.75	22.67	22.47	22.65
		12	0	23.20	22.26	22.07	22.13	22.21
		12	6	23.20	22.27	22.08	22.13	22.22
		12	13	23.20	22.26	22.22	22.17	22.22
		25	0	23.20	22.09	22.04	21.87	21.90
	64QAM	1	0	23.20	22.32	22.18	22.13	22.12
		1	13	23.20	22.23	22.18	22.12	22.17
		1	24	23.20	22.31	22.18	22.13	22.11
		12	0	22.20	21.26	21.07	21.09	21.23
		12	6	22.20	21.24	21.07	21.08	21.21
		12	13	22.20	21.26	21.07	21.09	21.22
		25	0	22.20	21.01	20.98	21.09	21.13
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 40090CH	Channel 40457CH	Channel 40823CH	Channel 41190CH
10MHz	QPSK	1	0	23.20	22.22	22.13	21.97	22.08
		1	25	23.20	22.04	22.03	21.97	21.97
		1	49	23.20	22.04	22.13	21.97	21.95
		25	0	23.20	22.22	22.18	22.10	22.18
		25	13	23.20	22.09	22.18	22.10	22.15
		25	25	23.20	22.09	22.24	22.10	22.15
		50	0	23.20	22.02	21.94	21.94	21.98
	16QAM	1	0	23.20	22.34	22.28	22.21	22.39
		1	25	23.20	22.34	22.28	22.25	22.39
		1	49	23.20	22.34	22.28	22.25	22.24
		25	0	23.20	22.23	22.19	21.98	22.14
		25	13	23.20	22.22	22.20	21.99	22.05
		25	25	23.20	22.22	22.17	22.04	22.18
		50	0	23.20	21.97	21.95	22.08	21.97
	64QAM	1	0	23.20	22.14	22.18	22.13	22.15
		1	25	23.20	22.13	22.16	22.18	22.30
		1	49	23.20	22.14	22.19	22.11	22.31
		25	0	22.20	21.18	21.18	20.95	21.07
		25	13	22.20	21.16	21.17	20.96	21.08
		25	25	22.20	21.17	21.18	20.93	21.15
		50	0	22.20	21.17	21.04	20.92	21.11

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	23.20	22.20	22.27	22.04	22.26
		1	38	23.20	22.20	22.25	22.04	22.11
		1	74	23.20	22.20	22.27	22.04	22.11
		36	0	23.20	22.28	22.20	22.15	22.21
		36	18	23.20	22.27	22.20	22.15	22.21
		36	39	23.20	22.27	22.19	22.15	22.21
		75	0	23.20	22.18	22.01	22.00	22.02
	16QAM	1	0	23.20	22.52	22.45	22.21	22.26
		1	38	23.20	22.37	22.39	22.22	22.43
		1	74	23.20	22.37	22.39	22.21	22.26
		36	0	23.20	22.15	22.10	22.17	22.23
		36	18	23.20	22.16	22.10	22.18	22.23
		36	39	23.20	22.11	22.10	22.17	22.23
		75	0	23.20	22.05	21.92	21.89	22.09
	64QAM	1	0	23.20	22.14	22.15	22.18	22.28
		1	38	23.20	22.15	22.15	22.06	22.25
		1	74	23.20	22.15	22.15	22.17	22.27
		36	0	22.20	21.08	21.06	21.12	21.01
		36	18	22.20	21.08	21.04	20.96	21.02
		36	39	22.20	21.08	21.05	21.12	21.02
		75	0	22.20	21.06	21.04	21.11	20.98
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	23.20	**22.17**	22.01	22.02	22.10
		1	50	23.20	22.16	22.01	22.00	22.13
		1	99	23.20	22.00	22.01	22.00	22.13
		50	0	23.20	22.17	**22.21**	**22.11**	**22.19**
		50	25	23.20	22.16	22.20	22.10	22.18
		50	50	23.20	**22.22**	22.20	22.10	22.18
		100	0	23.20	22.03	21.98	22.01	22.04
	16QAM	1	0	23.20	22.42	22.45	22.42	22.44
		1	50	23.20	22.31	22.48	22.42	22.42
		1	99	23.20	22.50	22.38	22.42	22.52
		50	0	23.20	22.10	22.05	22.01	22.19
		50	25	23.20	22.10	22.04	22.11	22.05
		50	50	23.20	22.11	22.04	22.00	22.05
		100	0	23.20	22.00	21.95	21.94	21.98
	64QAM	1	0	23.20	22.11	22.09	22.07	22.13
		1	50	23.20	22.08	22.08	22.03	22.13
		1	99	23.20	22.08	22.08	22.01	22.07
		50	0	22.20	21.10	21.06	21.00	21.04
		50	25	22.20	21.10	21.07	21.00	21.04
		50	50	22.20	21.10	21.19	21.00	21.18
		100	0	22.20	21.09	21.09	20.96	20.98

Table 93: Conducted power measurement results of LTE Band 41(Reduced Power Level D1/D3/D5)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 40065CH	Channel 40448CH	Channel 40832CH	Channel 41215CH
5MHz	QPSK	1	0	21.20	20.41	20.14	20.31	20.48
		1	13	21.20	20.43	20.14	20.34	20.47
		1	24	21.20	20.33	20.25	20.26	20.42
		12	0	21.20	20.42	20.29	20.36	20.41
		12	6	21.20	20.36	20.28	20.30	20.37
		12	13	21.20	20.35	20.19	20.32	20.39
		25	0	21.20	20.29	20.14	20.33	20.38
	16QAM	1	0	21.20	20.56	20.34	20.45	20.38
		1	13	21.20	20.47	20.31	20.45	20.46
		1	24	21.20	20.53	20.27	20.41	20.36
		12	0	21.20	20.29	20.11	20.26	20.33
		12	6	21.20	20.25	20.04	20.16	20.27
		12	13	21.20	20.22	20.06	20.14	20.31
		25	0	21.20	20.13	20.06	20.17	20.28
	64QAM	1	0	21.20	20.59	20.13	20.46	20.48
		1	13	21.20	20.55	20.09	20.44	20.55
		1	24	21.20	20.35	20.30	20.42	20.43
		12	0	21.20	20.28	20.11	20.26	20.33
		12	6	21.20	20.27	20.04	20.14	20.28
		12	13	21.20	20.20	20.06	20.14	20.31
		25	0	21.20	20.30	20.16	20.31	20.38
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 40090CH	Channel 40457CH	Channel 40823CH	Channel 41190CH
10MHz	QPSK	1	0	21.20	20.14	20.25	20.30	20.28
		1	25	21.20	19.99	20.03	20.14	20.07
		1	49	21.20	20.17	20.22	20.26	20.26
		25	0	21.20	20.30	20.24	20.31	20.41
		25	13	21.20	20.31	20.12	20.30	20.37
		25	25	21.20	20.30	20.12	20.35	20.43
		50	0	21.20	20.31	20.07	20.17	20.37
	16QAM	1	0	21.20	20.38	20.28	20.36	20.36
		1	25	21.20	20.07	20.13	19.95	19.96
		1	49	21.20	20.36	20.34	20.31	20.36
		25	0	21.20	20.28	20.12	20.11	20.35
		25	13	21.20	20.23	20.00	20.11	20.30
		25	25	21.20	20.23	20.00	20.25	20.32
		50	0	21.20	20.22	20.02	20.09	20.28
	64QAM	1	0	21.20	20.50	20.30	20.32	20.26
		1	25	21.20	19.93	20.16	19.79	20.05
		1	49	21.20	20.38	20.30	20.31	20.34
		25	0	21.20	20.26	20.13	20.09	20.33
		25	13	21.20	20.24	20.01	20.10	20.30
		25	25	21.20	20.23	19.98	20.26	20.32
		50	0	21.20	20.31	20.07	20.17	20.39

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 40115CH	Channel 40465CH	Channel 40815CH	Channel 41165CH
15MHz	QPSK	1	0	21.20	20.14	20.23	20.25	20.33
		1	38	21.20	20.18	20.13	20.37	20.15
		1	74	21.20	20.23	20.28	20.26	20.15
		36	0	21.20	20.36	20.29	20.35	20.42
		36	18	21.20	20.32	20.23	20.26	20.41
		36	39	21.20	20.33	20.27	20.26	20.45
		75	0	21.20	20.26	20.25	20.23	20.35
	16QAM	1	0	21.20	20.25	20.15	20.40	20.19
		1	38	21.20	20.29	20.41	20.53	20.24
		1	74	21.20	20.33	20.12	20.23	20.25
		36	0	21.20	20.26	20.21	20.10	20.36
		36	18	21.20	20.28	20.13	20.12	20.28
		36	39	21.20	20.09	20.21	20.21	20.34
		75	0	21.20	20.18	20.17	20.08	20.29
	64QAM	1	0	21.20	20.31	20.14	20.38	20.39
		1	38	21.20	20.59	20.14	20.54	20.44
		1	74	21.20	19.90	20.11	20.62	20.03
		36	0	21.20	20.25	20.19	20.11	20.31
		36	18	21.20	20.25	20.05	20.10	20.26
		36	39	21.20	20.11	20.13	20.20	20.40
		75	0	21.20	20.28	20.26	20.17	20.38
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 40140CH	Channel 40473CH	Channel 40807CH	Channel 41140CH
20MHz	QPSK	1	0	21.20	20.08	19.99	20.11	20.14
		1	50	21.20	20.01	20.34	20.08	19.67
		1	99	21.20	20.11	20.06	20.29	20.05
		50	0	21.20	20.33	20.27	20.30	20.38
		50	25	21.20	20.29	20.14	20.30	20.35
		50	50	21.20	20.34	20.16	20.33	20.43
		100	0	21.20	20.30	20.15	20.31	20.37
	16QAM	1	0	21.20	20.33	19.70	20.27	20.05
		1	50	21.20	19.97	19.44	20.37	20.07
		1	99	21.20	20.05	20.16	20.42	20.41
		50	0	21.20	20.25	20.01	20.25	20.30
		50	25	21.20	20.20	20.01	20.23	20.22
		50	50	21.20	20.18	20.08	20.28	20.33
		100	0	21.20	20.22	20.08	20.23	20.25
	64QAM	1	0	21.20	20.32	20.05	20.29	20.20
		1	50	21.20	20.27	19.41	20.17	19.99
		1	99	21.20	20.32	20.02	20.41	20.56
		50	0	21.20	20.28	20.04	20.18	20.33
		50	25	21.20	20.19	20.05	20.15	20.30
		50	50	21.20	20.15	20.03	20.31	20.36
		100	0	21.20	20.30	20.15	20.34	20.35

Table 94: Conducted power measurement results of LTE Band 41(Reduced Power Level D4)

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7.1.29 Conducted power measurements of LTE Band 66 (Second Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	23.20	21.32	21.42	21.64
		1	3	23.20	21.24	21.12	20.89
		1	5	23.20	21.73	21.33	21.45
		3	0	23.20	21.50	21.77	21.28
		3	2	23.20	21.28	21.62	21.41
		3	3	23.20	21.44	21.22	21.37
		6	0	23.20	21.61	21.57	20.90
	16QAM	1	0	23.20	21.59	21.25	21.44
		1	3	23.20	21.53	21.02	21.79
		1	5	23.20	21.47	21.46	21.45
		3	0	23.20	20.41	20.81	20.51
		3	2	23.20	20.49	20.79	20.36
		3	3	23.20	20.22	20.32	20.50
		6	0	22.20	20.41	20.35	20.42
	64QAM	1	0	22.20	20.15	20.11	20.38
		1	3	22.20	20.55	20.12	19.96
		1	5	22.20	20.38	20.69	20.43
		3	0	22.20	20.61	20.15	20.43
		3	2	22.20	20.52	20.44	20.70
		3	3	22.20	20.22	20.99	20.25
		6	0	21.20	19.03	20.23	19.43
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH
3MHz	QPSK	1	0	23.20	21.42	21.38	21.75
		1	7	23.20	21.11	20.92	20.96
		1	14	23.20	21.46	21.42	21.62
		8	0	23.20	21.40	21.52	21.30
		8	4	23.20	20.94	21.70	21.36
		8	7	23.20	21.13	21.09	21.20
		15	0	23.20	21.58	21.64	21.01
	16QAM	1	0	23.20	21.27	21.30	21.21
		1	7	23.20	21.42	20.92	21.53
		1	14	23.20	21.43	21.54	21.52
		8	0	22.20	20.03	20.88	20.01
		8	4	22.20	20.04	20.82	20.19
		8	7	22.20	20.38	20.31	19.94
		15	0	22.20	20.35	20.57	20.12
	64QAM	1	0	22.20	20.45	20.00	20.28
		1	7	22.20	20.59	20.38	20.57
		1	14	22.20	20.20	20.94	20.20
		8	0	21.20	19.65	19.12	19.72
		8	4	21.20	19.48	19.42	19.46
		8	7	21.20	19.58	19.83	19.15
		15	0	21.20	19.12	19.99	19.43

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	23.20	21.37	21.51	21.78
		1	13	23.20	21.10	21.07	20.96
		1	24	23.20	21.59	21.48	21.55
		12	0	23.20	21.40	21.59	21.41
		12	6	23.20	21.13	21.56	21.21
		12	13	23.20	21.29	21.20	21.29
		25	0	23.20	21.63	21.58	20.98
	16QAM	1	0	23.20	21.44	21.20	21.37
		1	13	23.20	21.38	21.10	21.62
		1	24	23.20	21.51	21.48	21.47
		12	0	22.20	20.23	20.73	20.04
		12	6	22.20	20.16	20.75	20.27
		12	13	22.20	20.32	20.18	20.04
		25	0	22.20	20.04	20.53	20.23
	64QAM	1	0	22.20	20.34	20.01	20.31
		1	13	22.20	20.44	20.26	20.45
		1	24	22.20	20.34	20.97	20.39
		12	0	21.20	19.81	19.04	19.84
		12	6	21.20	19.31	19.41	19.48
		12	13	21.20	19.40	19.72	19.15
		25	0	21.20	19.05	20.05	19.29
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	23.20	21.27	21.39	21.71
		1	25	23.20	20.95	21.17	21.16
		1	49	23.20	21.42	21.65	21.47
		25	0	23.20	21.40	21.53	21.28
		25	13	23.20	21.27	21.59	21.09
		25	25	23.20	21.13	21.14	21.34
		50	0	23.20	21.44	21.39	21.08
	16QAM	1	0	23.20	21.61	21.32	21.35
		1	25	23.20	21.36	20.96	21.43
		1	49	23.20	21.67	21.50	21.65
		25	0	22.20	20.37	20.65	20.12
		25	13	22.20	20.34	20.58	20.25
		25	25	22.20	20.23	20.29	20.04
		50	0	22.20	20.20	20.58	20.30
	64QAM	1	0	22.20	20.25	20.16	20.42
		1	25	22.20	20.37	20.40	20.35
		1	49	22.20	20.29	20.78	20.44
		25	0	21.20	19.76	19.22	19.98
		25	13	21.20	19.36	19.27	19.62
		25	25	21.20	19.22	19.77	19.08
		50	0	21.20	19.20	19.92	19.17

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	23.20	21.28	21.36	21.36
		1	38	23.20	21.35	21.26	21.36
		1	74	23.20	21.31	21.24	21.35
		36	0	23.20	21.21	21.50	21.35
		36	18	23.20	21.20	21.49	21.35
		36	39	23.20	21.45	21.53	21.29
		75	0	23.20	21.19	21.48	21.42
	16QAM	1	0	23.20	21.63	21.46	21.35
		1	38	23.20	21.41	21.58	21.35
		1	74	23.20	21.58	21.49	21.35
		36	0	22.20	20.17	20.51	20.42
		36	18	22.20	20.15	20.45	20.36
		36	39	22.20	20.42	20.48	20.28
		75	0	22.20	20.14	20.41	20.37
	64QAM	1	0	22.20	20.20	20.38	20.42
		1	38	22.20	20.27	20.43	20.13
		1	74	22.20	20.05	20.58	20.27
		36	0	21.20	19.59	19.46	19.79
		36	18	21.20	19.39	19.62	19.44
		36	39	21.20	19.30	19.73	19.29
		75	0	21.20	19.17	19.78	19.38
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	23.20	21.36	21.50	21.52
		1	50	23.20	20.96	20.99	21.00
		1	99	23.20	21.52	21.52	**21.60**
		50	0	23.20	**21.49**	**21.53**	21.34
		50	25	23.20	21.20	21.49	21.28
		50	50	23.20	21.19	21.31	**21.43**
		100	0	23.20	21.25	21.55	21.27
	16QAM	1	0	23.20	21.78	21.51	21.54
		1	50	23.20	21.21	21.12	21.27
		1	99	23.20	21.83	21.46	21.70
		50	0	22.20	20.41	20.53	20.28
		50	25	22.20	20.14	20.41	20.22
		50	50	22.20	20.13	20.23	20.19
		100	0	22.20	20.20	20.47	20.21
	64QAM	1	0	22.20	20.11	20.22	20.49
		1	50	22.20	20.28	20.28	20.27
		1	99	22.20	20.27	20.75	20.32
		50	0	21.20	19.62	19.38	19.82
		50	25	21.20	19.42	19.42	19.61
		50	50	21.20	19.11	19.57	19.26
		100	0	21.20	19.34	19.85	19.33

Table 95: Conducted power measurement results of LTE Band 66(Full Power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	16.20	14.61	14.61	14.40
		1	3	16.20	14.22	13.99	14.31
		1	5	16.20	14.65	14.40	14.56
		3	0	16.20	14.20	14.36	14.21
		3	2	16.20	14.35	14.51	14.32
		3	3	16.20	14.27	14.55	14.49
		6	0	16.20	14.33	14.43	14.39
	16QAM	1	0	16.20	14.41	14.73	14.51
		1	3	16.20	13.73	14.03	13.76
		1	5	16.20	14.69	14.56	14.84
		3	0	16.20	14.38	14.40	14.31
		3	2	16.20	14.19	14.22	14.11
		3	3	16.20	14.59	14.46	14.26
		6	0	16.20	14.42	14.18	14.51
	64QAM	1	0	16.20	14.53	14.52	14.43
		1	3	16.20	14.27	13.85	14.18
		1	5	16.20	14.51	14.28	14.35
		3	0	16.20	14.17	14.56	14.13
		3	2	16.20	14.59	14.22	14.26
		3	3	16.20	14.43	14.57	14.26
		6	0	16.20	14.58	14.37	14.54
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH
3MHz	QPSK	1	0	16.20	14.54	14.53	14.38
		1	7	16.20	13.96	13.89	14.14
		1	14	16.20	14.54	14.33	14.59
		8	0	16.20	14.33	14.31	14.24
		8	4	16.20	14.35	14.21	14.29
		8	7	16.20	14.53	14.49	14.56
		15	0	16.20	14.32	14.49	14.52
	16QAM	1	0	16.20	14.74	14.53	14.46
		1	7	16.20	14.00	14.07	14.01
		1	14	16.20	14.67	14.50	14.69
		8	0	16.20	14.25	14.39	14.28
		8	4	16.20	14.27	14.28	14.10
		8	7	16.20	14.56	14.22	14.56
		15	0	16.20	14.33	14.15	14.59
	64QAM	1	0	16.20	14.39	14.31	14.56
		1	7	16.20	13.94	14.07	14.14
		1	14	16.20	14.70	14.64	14.40
		8	0	16.20	14.17	14.44	14.45
		8	4	16.20	14.47	14.15	14.61
		8	7	16.20	14.22	14.43	14.21
		15	0	16.20	14.39	14.39	14.31

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	16.20	14.53	14.38	14.67
		1	13	16.20	14.07	14.07	14.27
		1	24	16.20	14.44	14.39	14.47
		12	0	16.20	14.52	14.29	14.26
		12	6	16.20	14.47	14.37	14.30
		12	13	16.20	14.22	14.59	14.31
		25	0	16.20	14.45	14.47	14.32
	16QAM	1	0	16.20	14.46	14.52	14.77
		1	13	16.20	14.10	14.27	14.11
		1	24	16.20	14.57	14.67	14.70
		12	0	16.20	14.45	14.26	14.27
		12	6	16.20	14.08	14.19	14.28
		12	13	16.20	14.44	14.52	14.34
		25	0	16.20	14.55	14.14	14.61
	64QAM	1	0	16.20	14.70	14.55	14.45
		1	13	16.20	14.01	13.87	14.29
		1	24	16.20	14.67	14.27	14.66
		12	0	16.20	14.37	14.56	14.28
		12	6	16.20	14.49	14.27	14.57
		12	13	16.20	14.50	14.61	14.40
		25	0	16.20	14.56	14.33	14.66
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	16.20	14.67	14.37	14.69
		1	25	16.20	14.17	14.05	14.12
		1	49	16.20	14.49	14.34	14.51
		25	0	16.20	14.33	14.52	14.49
		25	13	16.20	14.33	14.38	14.41
		25	25	16.20	14.34	14.50	14.45
		50	0	16.20	14.64	14.48	14.67
	16QAM	1	0	16.20	14.65	14.61	14.49
		1	25	16.20	14.45	14.29	14.39
		1	49	16.20	14.57	14.76	14.64
		25	0	16.20	14.46	14.10	14.34
		25	13	16.20	14.31	14.20	14.20
		25	25	16.20	14.25	14.39	14.55
		50	0	16.20	14.28	14.39	14.43
	64QAM	1	0	16.20	14.56	14.53	14.62
		1	25	16.20	14.08	13.87	14.17
		1	49	16.20	14.43	14.49	14.43
		25	0	16.20	14.18	14.53	14.50
		25	13	16.20	14.44	14.17	14.22
		25	25	16.20	14.36	14.38	14.37
		50	0	16.20	14.49	14.50	14.41

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	16.20	14.53	14.61	14.73
		1	38	16.20	14.03	13.80	14.03
		1	74	16.20	14.35	14.43	14.50
		36	0	16.20	14.44	14.51	14.49
		36	18	16.20	14.31	14.51	14.51
		36	39	16.20	14.30	14.42	14.45
		75	0	16.20	14.31	14.26	14.50
	16QAM	1	0	16.20	14.61	14.54	14.70
		1	38	16.20	13.98	14.28	13.95
		1	74	16.20	14.86	14.63	14.86
		36	0	16.20	14.58	14.23	14.56
		36	18	16.20	14.29	14.11	14.23
		36	39	16.20	14.40	14.26	14.25
		75	0	16.20	14.30	14.08	14.33
	64QAM	1	0	16.20	14.71	14.63	14.41
		1	38	16.20	13.97	13.90	13.95
		1	74	16.20	14.50	14.50	14.40
		36	0	16.20	14.49	14.47	14.51
		36	18	16.20	14.38	14.35	14.35
		36	39	16.20	14.52	14.48	14.27
		75	0	16.20	14.56	14.16	14.46
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	16.20	**14.55**	14.50	14.49
		1	50	16.20	14.12	13.95	14.12
		1	99	16.20	14.54	14.45	14.39
		50	0	16.20	14.33	14.38	14.23
		50	25	16.20	**14.41**	14.32	14.35
		50	50	16.20	14.36	**14.49**	**14.50**
		100	0	16.20	14.50	14.33	14.26
	16QAM	1	0	16.20	14.60	14.57	14.60
		1	50	16.20	13.92	14.10	14.49
		1	99	16.20	14.73	14.63	14.77
		50	0	16.20	14.40	14.29	14.26
		50	25	16.20	14.27	14.24	14.21
		50	50	16.20	14.44	14.41	14.46
		100	0	16.20	14.44	14.26	14.31
	64QAM	1	0	16.20	14.42	14.50	14.37
		1	50	16.20	13.98	13.97	14.29
		1	99	16.20	14.62	14.32	14.63
		50	0	16.20	14.50	14.25	14.41
		50	25	16.20	14.54	14.14	14.24
		50	50	16.20	14.46	14.35	14.56
		100	0	16.20	14.51	14.17	14.30

Table 96: Conducted power measurement results of LTE Band 66(Reduced Power Level D1)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	12.70	10.78	10.13	10.78
		1	3	12.70	10.75	9.93	10.56
		1	5	12.70	11.15	10.69	10.78
		3	0	12.70	10.71	11.09	11.03
		3	2	12.70	10.23	10.93	10.72
		3	3	12.70	11.23	11.00	10.60
		6	0	12.70	10.83	11.23	10.96
	16QAM	1	0	12.70	10.71	10.95	10.50
		1	3	12.70	10.94	10.84	10.87
		1	5	12.70	10.86	11.28	10.99
		3	0	12.70	10.64	11.09	10.53
		3	2	12.70	11.01	11.04	10.89
		3	3	12.70	10.87	11.09	11.12
		6	0	12.70	10.59	11.11	10.15
	64QAM	1	0	12.70	11.22	11.32	11.02
		1	3	12.70	11.09	10.77	10.75
		1	5	12.70	10.79	11.20	10.70
		3	0	12.70	11.27	11.15	11.36
		3	2	12.70	10.74	11.11	10.70
		3	3	12.70	10.33	11.48	10.39
		6	0	12.70	11.30	10.90	11.01
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH
3MHz	QPSK	1	0	12.70	10.96	10.08	10.90
		1	7	12.70	10.59	10.25	10.42
		1	14	12.70	11.16	10.63	10.95
		8	0	12.70	10.69	11.11	10.68
		8	4	12.70	10.20	10.87	10.59
		8	7	12.70	11.16	11.36	10.70
		15	0	12.70	10.61	11.20	10.81
	16QAM	1	0	12.70	10.82	10.73	10.56
		1	7	12.70	11.15	10.61	10.86
		1	14	12.70	10.70	11.18	10.79
		8	0	12.70	10.68	10.98	10.50
		8	4	12.70	10.97	10.96	11.10
		8	7	12.70	11.10	11.38	11.13
		15	0	12.70	10.79	11.18	10.20
	64QAM	1	0	12.70	11.36	11.29	11.16
		1	7	12.70	10.92	10.85	10.80
		1	14	12.70	10.63	11.08	10.53
		8	0	12.70	11.15	10.85	11.40
		8	4	12.70	10.65	10.84	11.04
		8	7	12.70	10.53	11.18	10.66
		15	0	12.70	11.26	10.89	10.97

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	12.70	10.92	10.00	10.58
		1	13	12.70	10.54	10.18	10.41
		1	24	12.70	11.03	10.71	10.99
		12	0	12.70	10.82	11.33	10.72
		12	6	12.70	10.33	11.13	10.43
		12	13	12.70	11.27	11.15	10.76
		25	0	12.70	10.55	11.20	10.65
	16QAM	1	0	12.70	10.77	10.80	10.48
		1	13	12.70	11.01	10.76	11.21
		1	24	12.70	11.05	11.43	11.11
		12	0	12.70	10.51	11.32	10.25
		12	6	12.70	11.16	10.86	11.08
		12	13	12.70	10.94	11.29	11.25
		25	0	12.70	10.69	11.15	10.47
	64QAM	1	0	12.70	11.25	11.06	11.05
		1	13	12.70	11.14	10.97	10.76
		1	24	12.70	10.44	10.98	10.76
		12	0	12.70	11.36	11.14	11.15
		12	6	12.70	10.89	11.05	11.03
		12	13	12.70	10.61	11.47	10.40
		25	0	12.70	10.99	10.63	11.15
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	12.70	10.86	9.89	10.82
		1	25	12.70	10.65	10.09	10.45
		1	49	12.70	11.12	10.79	11.04
		25	0	12.70	10.59	11.27	10.81
		25	13	12.70	10.49	10.96	10.61
		25	25	12.70	11.06	11.26	10.61
		50	0	12.70	10.61	11.30	10.72
	16QAM	1	0	12.70	10.62	10.77	10.51
		1	25	12.70	10.97	10.67	11.06
		1	49	12.70	10.79	11.28	10.79
		25	0	12.70	10.62	11.08	10.37
		25	13	12.70	10.91	11.02	10.90
		25	25	12.70	11.14	11.25	11.10
		50	0	12.70	10.52	11.38	10.41
	64QAM	1	0	12.70	11.20	10.94	11.14
		1	25	12.70	11.06	10.66	10.71
		1	49	12.70	10.50	11.12	10.54
		25	0	12.70	11.20	11.04	11.43
		25	13	12.70	10.69	10.95	10.78
		25	25	12.70	10.40	11.45	10.57
		50	0	12.70	10.94	10.77	10.83

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	12.70	10.92	11.20	10.83
		1	38	12.70	10.49	11.08	10.43
		1	74	12.70	11.13	10.79	11.01
		36	0	12.70	10.85	10.99	11.02
		36	18	12.70	10.44	11.00	10.37
		36	39	12.70	11.10	11.05	10.86
		75	0	12.70	10.65	11.20	10.94
	16QAM	1	0	12.70	10.77	10.95	10.46
		1	38	12.70	11.01	10.82	10.88
		1	74	12.70	10.79	11.17	11.00
		36	0	12.70	10.43	11.06	10.40
		36	18	12.70	11.01	10.85	10.95
		36	39	12.70	11.00	11.10	11.08
		75	0	12.70	10.46	11.09	10.38
	64QAM	1	0	12.70	11.27	11.11	11.04
		1	38	12.70	10.96	10.88	10.91
		1	74	12.70	10.63	11.06	10.48
		36	0	12.70	11.09	11.02	11.12
		36	18	12.70	10.79	10.87	10.88
		36	39	12.70	10.60	11.09	10.64
		75	0	12.70	11.23	10.84	11.13
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	12.70	10.85	10.05	10.76
		1	50	12.70	10.67	10.08	10.43
		1	99	12.70	11.11	10.73	10.96
		50	0	12.70	10.69	11.17	10.86
		50	25	12.70	10.33	11.00	10.53
		50	50	12.70	11.23	11.17	10.66
		100	0	12.70	10.75	11.20	10.76
	16QAM	1	0	12.70	10.72	10.88	10.42
		1	50	12.70	10.99	10.72	11.02
		1	99	12.70	10.86	11.29	10.94
		50	0	12.70	10.59	11.16	10.39
		50	25	12.70	11.01	10.91	10.93
		50	50	12.70	10.99	11.23	11.08
		100	0	12.70	10.59	11.29	10.35
	64QAM	1	0	12.70	11.19	11.12	11.02
		1	50	12.70	10.99	10.79	10.72
		1	99	12.70	10.62	11.05	10.68
		50	0	12.70	11.20	11.02	11.34
		50	25	12.70	10.77	10.97	10.87
		50	50	12.70	10.46	11.29	10.51
		100	0	12.70	11.12	10.81	11.01

Table 97: Conducted power measurement results of LTE Band 66(Reduced Power Level D3)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	19.70	17.73	17.92	17.70
		1	3	19.70	18.04	18.17	17.89
		1	5	19.70	17.83	18.02	17.97
		3	0	19.70	17.64	17.87	17.83
		3	2	19.70	17.77	17.70	17.88
		3	3	19.70	17.88	17.69	17.93
		6	0	19.70	17.99	17.88	17.82
	16QAM	1	0	19.70	17.80	17.99	18.03
		1	3	19.70	17.90	17.77	18.16
		1	5	19.70	17.87	18.01	18.29
		3	0	19.70	17.84	17.68	17.71
		3	2	19.70	17.77	17.61	17.81
		3	3	19.70	17.65	17.61	17.89
		6	0	19.70	17.95	17.74	17.77
	64QAM	1	0	19.70	17.94	18.03	18.10
		1	3	19.70	17.33	17.92	17.82
		1	5	19.70	18.31	18.17	17.88
		3	0	19.70	17.60	18.00	18.03
		3	2	19.70	17.97	17.91	18.32
		3	3	19.70	17.87	17.93	18.16
		6	0	19.70	17.88	17.95	18.29
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH
3MHz	QPSK	1	0	19.70	17.67	18.05	17.68
		1	7	19.70	17.90	18.23	17.97
		1	14	19.70	17.68	17.93	17.79
		8	0	19.70	17.59	17.82	17.68
		8	4	19.70	17.59	17.83	17.79
		8	7	19.70	17.88	17.59	18.00
		15	0	19.70	18.06	17.97	17.79
	16QAM	1	0	19.70	17.97	18.03	18.12
		1	7	19.70	17.85	17.95	18.31
		1	14	19.70	18.05	18.10	18.19
		8	0	19.70	17.91	17.80	17.70
		8	4	19.70	17.77	17.61	17.71
		8	7	19.70	17.84	17.48	18.08
		15	0	19.70	17.91	17.86	17.77
	64QAM	1	0	19.70	17.86	18.00	18.16
		1	7	19.70	17.29	17.97	17.66
		1	14	19.70	18.21	18.01	17.75
		8	0	19.70	17.59	17.84	18.23
		8	4	19.70	18.08	17.92	18.18
		8	7	19.70	18.04	18.12	18.13
		15	0	19.70	17.74	17.80	18.34

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	19.70	17.67	17.89	17.58
		1	13	19.70	17.94	18.02	18.01
		1	24	19.70	17.82	17.95	17.87
		12	0	19.70	17.71	18.06	17.79
		12	6	19.70	17.74	17.66	17.98
		12	13	19.70	17.96	17.61	17.97
		25	0	19.70	18.03	18.05	17.86
	16QAM	1	0	19.70	17.99	18.00	18.05
		1	13	19.70	18.08	17.90	18.25
		1	24	19.70	18.07	18.20	18.43
		12	0	19.70	17.81	17.51	17.81
		12	6	19.70	17.86	17.77	17.82
		12	13	19.70	17.58	17.45	17.74
		25	0	19.70	17.98	17.69	17.68
	64QAM	1	0	19.70	17.76	18.04	17.95
		1	13	19.70	17.48	18.12	17.97
		1	24	19.70	18.16	18.27	17.71
		12	0	19.70	17.43	18.08	17.95
		12	6	19.70	18.00	17.92	18.48
		12	13	19.70	17.93	17.95	18.00
		25	0	19.70	17.79	18.02	18.23
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	19.70	17.63	17.96	17.75
		1	25	19.70	18.11	18.13	18.05
		1	49	19.70	18.02	18.04	17.89
		25	0	19.70	17.60	18.03	17.81
		25	13	19.70	17.83	17.70	17.98
		25	25	19.70	17.84	17.80	18.01
		50	0	19.70	17.80	17.87	17.71
	16QAM	1	0	19.70	17.83	17.86	18.10
		1	25	19.70	17.90	17.72	18.31
		1	49	19.70	17.78	17.83	18.11
		25	0	19.70	17.99	17.80	17.72
		25	13	19.70	17.86	17.69	17.67
		25	25	19.70	17.50	17.74	17.84
		50	0	19.70	18.01	17.72	17.90
	64QAM	1	0	19.70	17.94	17.98	17.96
		1	25	19.70	17.39	17.87	17.93
		1	49	19.70	18.32	18.08	17.74
		25	0	19.70	17.62	17.98	18.14
		25	13	19.70	17.90	17.71	18.50
		25	25	19.70	17.71	17.87	18.15
		50	0	19.70	18.00	17.91	18.45

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	19.70	17.78	17.84	17.72
		1	38	19.70	17.99	17.97	17.75
		1	74	19.70	17.83	17.96	17.87
		36	0	19.70	17.77	17.82	18.01
		36	18	19.70	17.90	17.88	17.93
		36	39	19.70	17.78	17.88	17.93
		75	0	19.70	17.86	17.84	17.92
	16QAM	1	0	19.70	17.80	17.94	18.07
		1	38	19.70	17.89	17.85	18.20
		1	74	19.70	17.82	17.88	18.18
		36	0	19.70	17.71	17.74	17.84
		36	18	19.70	17.82	17.75	17.83
		36	39	19.70	17.71	17.76	17.87
		75	0	19.70	17.77	17.71	17.84
	64QAM	1	0	19.70	18.04	18.12	18.14
		1	38	19.70	17.48	17.78	17.62
		1	74	19.70	18.14	18.10	18.06
		36	0	19.70	17.60	17.90	18.03
		36	18	19.70	17.85	17.92	18.12
		36	39	19.70	17.79	17.96	18.17
		75	0	19.70	17.98	17.80	18.14
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	19.70	18.03	18.03	18.07
		1	50	19.70	17.45	17.69	17.56
		1	99	19.70	**18.08**	**18.03**	**18.12**
		50	0	19.70	17.79	17.84	17.97
		50	25	19.70	17.82	17.77	17.95
		50	50	19.70	17.80	17.92	**17.99**
		100	0	19.70	17.83	17.92	17.97
	16QAM	1	0	19.70	18.01	18.07	18.08
		1	50	19.70	17.39	17.74	17.50
		1	99	19.70	18.09	18.06	18.12
		50	0	19.70	17.64	17.79	17.86
		50	25	19.70	17.59	17.88	17.88
		50	50	19.70	17.67	17.92	17.91
		100	0	19.70	17.66	17.80	17.91
	64QAM	1	0	19.70	17.95	18.21	18.26
		1	50	19.70	17.55	17.67	17.43
		1	99	19.70	18.14	18.16	18.12
		50	0	19.70	17.94	18.03	18.13
		50	25	19.70	18.01	17.90	17.91
		50	50	19.70	17.70	17.85	17.85
		100	0	19.70	17.80	17.98	17.89

Table 98: Conducted power measurement results of LTE Band 66(Reduced Power Level D2)

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7.1.30 Conducted power measurements of LTE Band 66 (Main Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	25.20	23.29	23.36	23.21
		1	3	25.20	22.94	22.91	23.20
		1	5	25.20	23.26	23.46	23.24
		3	0	25.20	22.97	23.33	23.21
		3	2	25.20	23.04	23.05	23.25
		3	3	25.20	23.20	23.17	23.25
		6	0	24.20	22.08	22.14	23.17
	16QAM	1	0	24.20	22.23	22.26	22.26
		1	3	24.20	22.34	22.27	22.32
		1	5	24.20	22.26	22.25	22.33
		3	0	24.20	22.35	22.25	22.24
		3	2	24.20	22.25	22.26	22.37
		3	3	24.20	22.27	22.39	22.38
		6	0	23.20	21.21	21.24	21.19
	64QAM	1	0	23.20	22.25	22.09	22.33
		1	3	23.20	22.15	22.07	22.28
		1	5	23.20	22.24	22.44	22.35
		3	0	23.20	22.25	22.19	22.28
		3	2	23.20	22.24	22.12	22.32
		3	3	23.20	22.11	22.15	22.00
		6	0	22.20	21.09	21.12	21.05
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH
3MHz	QPSK	1	0	25.20	23.31	23.36	23.35
		1	7	25.20	22.58	23.38	23.39
		1	14	25.20	23.24	23.33	23.34
		8	0	24.20	22.20	23.24	23.24
		8	4	24.20	22.19	23.23	23.27
		8	7	24.20	22.33	23.28	23.25
		15	0	24.20	22.13	22.22	22.24
	16QAM	1	0	24.20	22.46	22.42	22.38
		1	7	24.20	22.41	22.46	22.45
		1	14	24.20	22.39	22.43	22.41
		8	0	23.20	22.28	22.20	22.23
		8	4	23.20	22.27	22.21	22.26
		8	7	23.20	22.28	22.25	22.16
		15	0	23.20	21.21	21.20	21.24
	64QAM	1	0	23.20	22.24	22.17	22.20
		1	7	23.20	22.18	22.09	22.33
		1	14	23.20	22.31	22.31	22.21
		8	0	22.20	20.17	20.13	20.21
		8	4	22.20	21.19	21.10	21.21
		8	7	22.20	21.06	20.94	21.15
		15	0	22.20	21.49	21.45	21.41

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	25.20	23.33	23.45	23.40
		1	13	25.20	23.30	23.40	23.42
		1	24	25.20	23.07	23.06	23.08
		12	0	24.20	23.23	23.37	23.34
		12	6	24.20	23.20	23.28	23.26
		12	13	24.20	23.17	23.26	23.24
		25	0	24.20	22.19	22.34	22.32
	16QAM	1	0	24.20	22.50	22.56	22.45
		1	13	24.20	22.54	22.60	22.53
		1	24	24.20	22.30	22.35	22.28
		12	0	23.20	22.40	22.38	22.36
		12	6	23.20	22.34	22.34	22.33
		12	13	23.20	22.29	22.27	22.27
		25	0	23.20	21.32	21.32	21.31
	64QAM	1	0	23.20	22.32	22.12	22.14
		1	13	23.20	22.40	22.36	22.44
		1	24	23.20	22.37	22.10	22.35
		12	0	22.20	20.18	20.16	20.13
		12	6	22.20	21.40	21.03	21.39
		12	13	22.20	20.99	21.28	21.47
		25	0	22.20	21.36	21.19	21.11
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	25.20	23.49	23.39	23.38
		1	25	25.20	23.00	22.96	22.95
		1	49	25.20	23.31	23.32	23.29
		25	0	24.20	22.30	22.29	22.28
		25	13	24.20	22.21	22.21	22.20
		25	25	24.20	22.17	22.17	22.16
		50	0	24.20	22.29	22.28	22.27
	16QAM	1	0	24.20	22.54	22.45	22.46
		1	25	24.20	22.00	22.01	22.03
		1	49	24.20	22.32	22.36	22.33
		25	0	23.20	21.28	21.30	21.28
		25	13	23.20	21.13	21.15	21.16
		25	25	23.20	21.13	21.12	21.12
		50	0	23.20	21.23	21.24	21.24
	64QAM	1	0	23.20	22.36	22.01	22.15
		1	25	23.20	22.09	22.14	22.42
		1	49	23.20	22.13	22.10	22.34
		25	0	22.20	20.31	20.28	20.19
		25	13	22.20	21.35	20.98	21.35
		25	25	22.20	21.08	21.20	21.27
		50	0	22.20	21.33	21.50	21.20

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	25.20	23.15	23.20	23.36
		1	38	25.20	23.39	23.21	23.11
		1	74	25.20	23.18	23.20	23.15
		36	0	24.20	22.12	22.23	22.22
		36	18	24.20	22.11	22.34	22.23
		36	39	24.20	22.10	22.32	22.16
		75	0	24.20	22.12	22.21	22.17
	16QAM	1	0	24.20	22.59	22.46	22.43
		1	38	24.20	22.32	22.37	22.52
		1	74	24.20	22.31	22.36	22.48
		36	0	23.20	21.15	21.20	21.16
		36	18	23.20	21.15	21.27	21.16
		36	39	23.20	21.13	21.33	21.13
		75	0	23.20	21.19	21.23	21.06
	64QAM	1	0	23.20	22.35	22.19	22.38
		1	38	23.20	22.24	22.18	22.19
		1	74	23.20	22.34	22.38	22.27
		36	0	22.20	20.11	20.31	20.31
		36	18	22.20	21.31	20.99	21.18
		36	39	22.20	21.35	21.09	21.29
		75	0	22.20	21.21	21.25	21.18
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	25.20	23.28	**23.41**	23.34
		1	50	25.20	22.94	22.98	22.94
		1	99	25.20	**23.32**	23.33	**23.38**
		50	0	24.20	22.17	22.19	22.17
		50	25	24.20	22.08	22.17	22.14
		50	50	24.20	22.22	**22.34**	22.17
		100	0	24.20	22.19	22.30	22.19
	16QAM	1	0	24.20	22.50	22.60	22.73
		1	50	24.20	22.05	22.22	22.20
		1	99	24.20	22.46	22.75	22.70
		50	0	23.20	21.13	21.19	21.15
		50	25	23.20	21.05	21.11	21.13
		50	50	23.20	21.17	21.33	21.16
		100	0	23.20	21.14	21.26	21.19
	64QAM	1	0	23.20	22.23	22.15	22.31
		1	50	23.20	22.13	22.08	22.24
		1	99	23.20	22.37	22.37	22.15
		50	0	22.20	20.13	20.29	20.23
		50	25	22.20	21.30	21.12	21.32
		50	50	22.20	21.25	21.03	21.40
		100	0	22.20	21.34	21.14	21.41

Table 99: Conducted power measurement results of LTE Band 66(Full Power)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	22.20	20.56	20.50	20.55
		1	3	22.20	19.96	20.14	20.08
		1	5	22.20	20.33	20.45	20.44
		3	0	22.20	20.15	20.42	20.17
		3	2	22.20	20.37	20.30	20.16
		3	3	22.20	20.17	20.27	20.15
		6	0	22.20	20.15	20.34	20.21
	16QAM	1	0	22.20	20.86	20.58	20.76
		1	3	22.20	20.20	20.18	20.15
		1	5	22.20	20.51	20.60	20.70
		3	0	22.20	20.41	20.39	20.38
		3	2	22.20	20.27	20.23	19.98
		3	3	22.20	20.18	20.23	20.27
		6	0	22.20	20.32	20.20	20.11
	64QAM	1	0	22.20	20.77	20.76	20.62
		1	3	22.20	20.20	20.19	19.96
		1	5	22.20	20.56	20.49	20.56
		3	0	22.20	20.43	20.31	20.15
		3	2	22.20	20.36	20.22	20.29
		3	3	22.20	20.26	20.16	20.21
		6	0	22.20	20.40	20.14	20.39
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH
3MHz	QPSK	1	0	22.20	20.55	20.52	20.54
		1	7	22.20	19.96	20.13	20.07
		1	14	22.20	20.31	20.42	20.46
		8	0	22.20	20.17	20.42	20.18
		8	4	22.20	20.36	20.32	20.15
		8	7	22.20	20.21	20.29	20.16
		15	0	22.20	20.17	20.34	20.17
	16QAM	1	0	22.20	20.87	20.61	20.72
		1	7	22.20	20.20	20.19	20.13
		1	14	22.20	20.50	20.58	20.66
		8	0	22.20	20.37	20.35	20.38
		8	4	22.20	20.23	20.23	20.02
		8	7	22.20	20.15	20.25	20.27
		15	0	22.20	20.33	20.18	20.08
	64QAM	1	0	22.20	20.76	20.75	20.62
		1	7	22.20	20.23	20.22	19.98
		1	14	22.20	20.55	20.52	20.59
		8	0	22.20	20.40	20.31	20.16
		8	4	22.20	20.33	20.22	20.32
		8	7	22.20	20.28	20.15	20.19
		15	0	22.20	20.41	20.14	20.38

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	22.20	20.56	20.54	20.52
		1	13	22.20	20.01	20.13	20.10
		1	24	22.20	20.30	20.42	20.46
		12	0	22.20	20.14	20.41	20.17
		12	6	22.20	20.37	20.33	20.12
		12	13	22.20	20.20	20.28	20.17
		25	0	22.20	20.13	20.36	20.18
	16QAM	1	0	22.20	20.84	20.61	20.75
		1	13	22.20	20.19	20.21	20.15
		1	24	22.20	20.49	20.58	20.68
		12	0	22.20	20.39	20.34	20.40
		12	6	22.20	20.22	20.25	20.01
		12	13	22.20	20.20	20.24	20.29
		25	0	22.20	20.34	20.17	20.10
	64QAM	1	0	22.20	20.78	20.75	20.64
		1	13	22.20	20.22	20.20	19.98
		1	24	22.20	20.56	20.49	20.60
		12	0	22.20	20.43	20.31	20.17
		12	6	22.20	20.35	20.21	20.28
		12	13	22.20	20.27	20.18	20.24
		25	0	22.20	20.42	20.17	20.36
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	22.20	20.58	20.54	20.51
		1	25	22.20	19.99	20.14	20.06
		1	49	22.20	20.31	20.42	20.42
		25	0	22.20	20.17	20.39	20.18
		25	13	22.20	20.36	20.30	20.15
		25	25	22.20	20.20	20.29	20.14
		50	0	22.20	20.15	20.37	20.16
	16QAM	1	0	22.20	20.84	20.60	20.73
		1	25	22.20	20.19	20.16	20.14
		1	49	22.20	20.49	20.59	20.69
		25	0	22.20	20.37	20.37	20.39
		25	13	22.20	20.25	20.26	20.02
		25	25	22.20	20.17	20.25	20.29
		50	0	22.20	20.33	20.20	20.07
	64QAM	1	0	22.20	20.79	20.73	20.61
		1	25	22.20	20.22	20.20	19.96
		1	49	22.20	20.53	20.51	20.58
		25	0	22.20	20.44	20.30	20.14
		25	13	22.20	20.33	20.22	20.32
		25	25	22.20	20.29	20.18	20.24
		50	0	22.20	20.41	20.17	20.39

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	22.20	20.58	20.53	20.55
		1	38	22.20	19.97	20.14	20.07
		1	74	22.20	20.30	20.45	20.47
		36	0	22.20	20.16	20.39	20.19
		36	18	22.20	20.35	20.33	20.15
		36	39	22.20	20.18	20.27	20.12
		75	0	22.20	20.18	20.36	20.20
	16QAM	1	0	22.20	20.82	20.62	20.75
		1	38	22.20	20.19	20.17	20.13
		1	74	22.20	20.47	20.58	20.69
		36	0	22.20	20.37	20.34	20.40
		36	18	22.20	20.23	20.26	20.02
		36	39	22.20	20.17	20.25	20.29
		75	0	22.20	20.31	20.19	20.09
	64QAM	1	0	22.20	20.80	20.71	20.63
		1	38	22.20	20.20	20.19	19.97
		1	74	22.20	20.55	20.51	20.57
		36	0	22.20	20.44	20.32	20.16
		36	18	22.20	20.33	20.20	20.32
		36	39	22.20	20.28	20.20	20.20
		75	0	22.20	20.40	20.13	20.35
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	22.20	**20.50**	**20.46**	**20.47**
		1	50	22.20	19.92	20.06	20.01
		1	99	22.20	20.25	20.37	20.38
		50	0	22.20	20.10	**20.34**	20.13
		50	25	22.20	20.29	20.25	20.07
		50	50	22.20	20.13	20.21	20.08
		100	0	22.20	20.09	20.29	20.12
	16QAM	1	0	22.20	20.78	20.53	20.68
		1	50	22.20	20.14	20.12	20.08
		1	99	22.20	20.43	20.54	20.62
		50	0	22.20	20.33	20.30	20.33
		50	25	22.20	20.18	20.18	19.94
		50	50	22.20	20.11	20.18	20.21
		100	0	22.20	20.26	20.12	20.02
	64QAM	1	0	22.20	20.71	20.67	20.55
		1	50	22.20	20.14	20.13	19.90
		1	99	22.20	20.49	20.44	20.51
		50	0	22.20	20.35	20.23	20.10
		50	25	22.20	20.29	20.15	20.24
		50	50	22.20	20.22	20.11	20.15
		100	0	22.20	20.35	20.09	20.31

Table 100: Conducted power measurement results of LTE Band 66(Reduced Power Level D3/D5)

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Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 131979CH	Channel 132322CH	Channel 132665CH
1.4MHz	QPSK	1	0	23.20	21.44	21.38	21.34
		1	3	23.20	20.87	20.93	21.38
		1	5	23.20	21.50	21.27	21.37
		3	0	23.20	21.12	21.26	21.40
		3	2	23.20	21.10	20.71	21.41
		3	3	23.20	21.13	21.29	21.41
		6	0	23.20	21.20	21.06	21.36
	16QAM	1	0	23.20	21.44	21.35	21.43
		1	3	23.20	21.48	21.39	21.48
		1	5	23.20	21.44	21.49	21.46
		3	0	23.20	21.39	21.52	21.51
		3	2	23.20	21.52	21.53	21.52
		3	3	23.20	21.40	21.40	21.39
		6	0	23.20	21.38	21.30	21.35
	64QAM	1	0	23.20	21.46	21.40	21.62
		1	3	23.20	21.43	21.17	21.44
		1	5	23.20	21.40	21.65	21.46
		3	0	23.20	21.39	21.49	21.47
		3	2	23.20	21.27	21.23	21.58
		3	3	23.20	21.29	21.24	21.01
		6	0	22.20	21.01	21.05	20.98
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 131987CH	Channel 132322CH	Channel 132657CH
3MHz	QPSK	1	0	23.20	21.44	21.48	21.43
		1	7	23.20	21.58	21.51	21.48
		1	14	23.20	21.45	21.48	21.44
		8	0	23.20	21.39	21.27	21.42
		8	4	23.20	21.29	21.43	21.40
		8	7	23.20	21.12	21.44	21.37
		15	0	23.20	21.34	21.24	21.40
	16QAM	1	0	23.20	21.55	21.49	21.51
		1	7	23.20	21.53	21.55	21.52
		1	14	23.20	21.61	21.53	21.52
		8	0	23.20	21.37	21.41	21.40
		8	4	23.20	21.40	21.40	21.23
		8	7	23.20	21.43	21.43	21.35
		15	0	23.20	21.22	21.20	21.21
	64QAM	1	0	23.20	21.46	21.48	21.54
		1	7	23.20	21.53	21.16	21.58
		1	14	23.20	21.62	21.49	21.56
		8	0	22.20	20.02	20.02	20.28
		8	4	22.20	21.06	21.20	21.06
		8	7	22.20	21.10	20.78	21.10
		15	0	22.20	21.57	21.28	21.38

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	23.20	21.40	21.29	21.28
		1	13	23.20	21.48	21.51	21.50
		1	24	23.20	21.02	21.06	21.03
		12	0	23.20	21.38	21.24	21.29
		12	6	23.20	21.43	21.44	21.43
		12	13	23.20	21.35	21.39	21.38
		25	0	23.20	21.25	21.37	21.36
	16QAM	1	0	23.20	21.50	21.54	21.62
		1	13	23.20	21.61	21.64	21.62
		1	24	23.20	21.29	21.30	21.31
		12	0	23.20	21.39	21.44	21.38
		12	6	23.20	21.40	21.39	21.38
		12	13	23.20	21.34	21.34	21.34
		25	0	23.20	21.32	21.33	21.31
	64QAM	1	0	23.20	21.57	21.46	21.38
		1	13	23.20	21.23	21.21	21.57
		1	24	23.20	21.62	21.47	21.26
		12	0	22.20	19.98	20.08	20.09
		12	6	22.20	21.09	21.05	21.30
		12	13	22.20	21.21	21.11	21.04
		25	0	22.20	21.46	21.60	21.51
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	23.20	21.37	21.29	21.28
		1	25	23.20	20.95	20.98	20.94
		1	49	23.20	21.41	21.39	21.39
		25	0	23.20	21.35	21.38	21.35
		25	13	23.20	21.29	21.29	21.27
		25	25	23.20	21.18	21.19	21.23
		50	0	23.20	21.35	21.34	21.34
	16QAM	1	0	23.20	21.63	21.43	21.59
		1	25	23.20	21.01	21.02	21.07
		1	49	23.20	21.44	21.35	21.43
		25	0	23.20	21.28	21.30	21.28
		25	13	23.20	21.15	21.16	21.15
		25	25	23.20	21.14	21.12	21.13
		50	0	23.20	21.24	21.25	21.23
	64QAM	1	0	23.20	21.38	21.51	21.25
		1	25	23.20	21.55	21.29	21.49
		1	49	23.20	21.56	21.38	21.41
		25	0	22.20	20.16	20.19	20.15
		25	13	22.20	21.12	21.19	21.14
		25	25	22.20	21.21	20.77	21.20
		50	0	22.20	21.54	21.60	21.45

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	23.20	21.45	21.23	21.31
		1	38	23.20	21.30	21.41	21.36
		1	74	23.20	21.18	21.38	21.30
		36	0	23.20	21.27	21.25	21.37
		36	18	23.20	21.27	21.37	21.36
		36	39	23.20	21.22	21.39	21.25
		75	0	23.20	21.27	21.18	21.16
	16QAM	1	0	23.20	21.38	21.50	21.61
		1	38	23.20	21.50	21.55	21.61
		1	74	23.20	21.39	21.52	21.43
		36	0	23.20	21.19	21.18	21.15
		36	18	23.20	21.15	21.25	21.16
		36	39	23.20	21.14	21.33	21.14
		75	0	23.20	21.18	21.18	21.05
	64QAM	1	0	23.20	21.46	21.43	21.34
		1	38	23.20	21.24	21.35	21.68
		1	74	23.20	21.47	21.48	21.39
		36	0	22.20	20.06	20.02	20.19
		36	18	22.20	21.31	21.07	21.37
		36	39	22.20	21.21	21.02	21.18
		75	0	22.20	21.64	21.29	21.46
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	23.20	21.61	21.45	21.50
		1	50	23.20	20.97	21.01	21.00
		1	99	23.20	21.55	21.46	21.52
		50	0	23.20	21.35	21.18	21.26
		50	25	23.20	21.19	21.15	21.31
		50	50	23.20	21.38	21.38	21.30
		100	0	23.20	21.24	21.22	21.30
	16QAM	1	0	23.20	21.60	21.66	21.49
		1	50	23.20	21.04	21.22	21.25
		1	99	23.20	21.63	21.48	21.65
		50	0	23.20	21.12	21.18	21.16
		50	25	23.20	21.04	21.11	21.12
		50	50	23.20	21.17	21.32	21.16
		100	0	23.20	21.12	21.35	21.15
	64QAM	1	0	23.20	21.52	21.37	21.56
		1	50	23.20	21.40	21.31	21.37
		1	99	23.20	21.50	21.46	21.23
		50	0	22.20	20.12	19.93	20.06
		50	25	22.20	21.37	21.12	21.12
		50	50	22.20	20.90	20.95	21.15
		100	0	22.20	21.30	21.54	21.60

Table 101: Conducted power measurement results of LTE Band 66(Reduced Power Level D1)

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	20.20	18.42	18.53	18.55
		1	3	20.20	18.20	18.18	18.14
		1	5	20.20	18.54	18.36	18.43
		3	0	20.20	18.43	18.43	18.38
		3	2	20.20	18.31	18.37	18.25
		3	3	20.20	18.41	18.38	18.19
		6	0	20.20	18.20	18.26	18.36
	16QAM	1	0	20.20	18.56	18.66	18.82
		1	3	20.20	18.12	18.54	18.11
		1	5	20.20	18.57	18.09	18.60
		3	0	20.20	18.25	18.33	18.20
		3	2	20.20	18.13	18.28	18.09
		3	3	20.20	18.28	18.14	18.09
		6	0	20.20	18.34	18.35	18.11
	64QAM	1	0	20.20	18.37	18.57	18.69
		1	3	20.20	18.28	18.15	18.09
		1	5	20.20	18.50	18.75	18.45
		3	0	20.20	18.15	18.38	18.19
		3	2	20.20	18.32	18.29	18.16
		3	3	20.20	18.16	18.34	18.14
		6	0	20.20	18.35	18.37	18.16
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH
3MHz	QPSK	1	0	20.20	18.41	18.48	18.51
		1	7	20.20	18.19	18.18	18.10
		1	14	20.20	18.50	18.36	18.43
		8	0	20.20	18.40	18.41	18.40
		8	4	20.20	18.34	18.33	18.27
		8	7	20.20	18.41	18.38	18.20
		15	0	20.20	18.20	18.24	18.32
	16QAM	1	0	20.20	18.55	18.64	18.84
		1	7	20.20	18.09	18.50	18.13
		1	14	20.20	18.57	18.11	18.57
		8	0	20.20	18.28	18.31	18.19
		8	4	20.20	18.08	18.26	18.12
		8	7	20.20	18.28	18.13	18.09
		15	0	20.20	18.30	18.35	18.13
	64QAM	1	0	20.20	18.40	18.57	18.69
		1	7	20.20	18.26	18.15	18.09
		1	14	20.20	18.51	18.74	18.44
		8	0	20.20	18.16	18.36	18.16
		8	4	20.20	18.33	18.28	18.15
		8	7	20.20	18.11	18.34	18.16
		15	0	20.20	18.38	18.34	18.18

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	20.20	18.43	18.52	18.52
		1	13	20.20	18.20	18.17	18.12
		1	24	20.20	18.51	18.35	18.41
		12	0	20.20	18.44	18.41	18.40
		12	6	20.20	18.31	18.35	18.25
		12	13	20.20	18.39	18.35	18.18
		25	0	20.20	18.20	18.26	18.36
	16QAM	1	0	20.20	18.57	18.62	18.81
		1	13	20.20	18.13	18.50	18.12
		1	24	20.20	18.56	18.10	18.59
		12	0	20.20	18.25	18.34	18.20
		12	6	20.20	18.10	18.29	18.09
		12	13	20.20	18.28	18.11	18.08
		25	0	20.20	18.31	18.37	18.13
	64QAM	1	0	20.20	18.36	18.56	18.68
		1	13	20.20	18.25	18.18	18.09
		1	24	20.20	18.50	18.71	18.41
		12	0	20.20	18.14	18.35	18.17
		12	6	20.20	18.34	18.27	18.12
		12	13	20.20	18.15	18.35	18.13
		25	0	20.20	18.35	18.35	18.18
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	20.20	18.39	18.53	18.53
		1	25	20.20	18.20	18.17	18.11
		1	49	20.20	18.53	18.36	18.44
		25	0	20.20	18.43	18.39	18.41
		25	13	20.20	18.33	18.33	18.27
		25	25	20.20	18.41	18.35	18.20
		50	0	20.20	18.19	18.25	18.35
	16QAM	1	0	20.20	18.58	18.61	18.84
		1	25	20.20	18.11	18.52	18.12
		1	49	20.20	18.54	18.08	18.59
		25	0	20.20	18.24	18.34	18.19
		25	13	20.20	18.13	18.25	18.11
		25	25	20.20	18.27	18.10	18.10
		50	0	20.20	18.34	18.34	18.14
	64QAM	1	0	20.20	18.40	18.58	18.68
		1	25	20.20	18.25	18.15	18.09
		1	49	20.20	18.51	18.74	18.42
		25	0	20.20	18.13	18.38	18.17
		25	13	20.20	18.32	18.29	18.12
		25	25	20.20	18.13	18.31	18.13
		50	0	20.20	18.34	18.36	18.16

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Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	20.20	18.41	18.52	18.54
		1	38	20.20	18.17	18.18	18.12
		1	74	20.20	18.51	18.35	18.45
		36	0	20.20	18.43	18.41	18.40
		36	18	20.20	18.32	18.36	18.26
		36	39	20.20	18.40	18.35	18.20
		75	0	20.20	18.19	18.23	18.36
	16QAM	1	0	20.20	18.57	18.63	18.83
		1	38	20.20	18.12	18.52	18.13
		1	74	20.20	18.58	18.11	18.59
		36	0	20.20	18.27	18.36	18.18
		36	18	20.20	18.09	18.24	18.08
		36	39	20.20	18.31	18.12	18.08
		75	0	20.20	18.34	18.35	18.15
	64QAM	1	0	20.20	18.37	18.58	18.67
		1	38	20.20	18.25	18.15	18.10
		1	74	20.20	18.49	18.72	18.44
		36	0	20.20	18.15	18.40	18.16
		36	18	20.20	18.32	18.30	18.11
		36	39	20.20	18.12	18.31	18.13
		75	0	20.20	18.35	18.34	18.19
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	20.20	18.35	18.44	18.47
		1	50	20.20	18.11	18.11	18.06
		1	99	20.20	18.45	18.31	18.36
		50	0	20.20	18.36	18.34	18.33
		50	25	20.20	18.25	18.28	18.20
		50	50	20.20	18.35	18.30	18.14
		100	0	20.20	18.12	18.18	18.27
	16QAM	1	0	20.20	18.49	18.57	18.76
		1	50	20.20	18.05	18.45	18.06
		1	99	20.20	18.49	18.03	18.53
		50	0	20.20	18.20	18.27	18.11
		50	25	20.20	18.04	18.20	18.03
		50	50	20.20	18.22	18.06	18.03
		100	0	20.20	18.26	18.28	18.07
	64QAM	1	0	20.20	18.32	18.51	18.61
		1	50	20.20	18.20	18.10	18.03
		1	99	20.20	18.44	18.67	18.37
		50	0	20.20	18.07	18.31	18.11
		50	25	20.20	18.26	18.23	18.07
		50	50	20.20	18.07	18.27	18.08
		100	0	20.20	18.29	18.29	18.11

Table 102: Conducted power measurement results of LTE Band 66(Reduced Power Level D4)

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7.1.31 onducted power measurements of Downlink LTE CA

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 ¼dB higher than the maximum output power measured when downlink carrier aggregation inactive.

Power test equipment: R&S Radio Communication Tester CMW500 and/or Anritsu Radio Communication Analyzer MT8821C were used

The power measurements result are in the table as below:

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DL LTE CA Class	PCC							SCC1			SCC 2			SCC3			SCC4			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	QPSK	50	0	18700	700	2	20	898	/	/	/	/	/	/	/	/	/	20.64	20.28	21.70
CA_5B	5	10	QPSK	1	0	20600	2600	5	10	2501	/	/	/	/	/	/	/	/	/	23.87	23.66	24.70
CA_38C	38	20	16QAM	1	50	37850	37850	38	20	38048	/	/	/	/	/	/	/	/	/	22.07	21.75	23.00
CA_66B	66	10	QPSK	1	0	132622	67086	66	10	66987	/	/	/	/	/	/	/	/	/	21.71	21.31	23.20
CA_2A-17A	2	20	QPSK	50	0	18700	700	17	10	5790	/	/	/	/	/	/	/	/	/	20.64	20.33	21.70
CA_4A-17A	4	20	16QAM	1	50	20050	2050	17	10	5790	/	/	/	/	/	/	/	/	/	21.54	21.19	22.20
CA_26A-41A	26	15	QPSK	1	74	26765	8765	41	20	40473	/	/	/	/	/	/	/	/	/	23.69	23.47	24.90
	26	15	QPSK	1	74	26765	8765	41	20	40807	/	/	/	/	/	/	/	/	/	23.69	23.43	24.90
	41	20	QPSK	1	0	41140	41140	26	15	8865	/	/	/	/	/	/	/	/	/	22.95	22.73	24.20
CA_41D	41	20	QPSK	1	0	41140	41140	41	20	40942	41	20	40744	/	/	/	/	/	/	22.95	22.61	24.20
CA_66D	66	20	16QAM	1	99	132072	66536	66	20	66743	66	20	66932	/	/	/	/	/	/	21.83	21.59	23.20
CA_2A-4A-4A	2	20	QPSK	50	0	18700	700	4	20	2175	4	10	2350	/	/	/	/	/	/	20.64	20.39	21.70
	4	20	16QAM	1	50	20050	2050	4	20	2300	2	20	900	/	/	/	/	/	/	21.54	21.32	22.20
CA_2A-2A-5A	2	20	QPSK	50	0	18700	700	2	20	1100	5	10	2525	/	/	/	/	/	/	20.64	20.41	21.70
	5	10	QPSK	1	0	20600	2600	2	20	900	2	20	1100	/	/	/	/	/	/	23.87	23.51	24.70
CA_2A-2A-12A	2	20	QPSK	50	0	18700	700	2	20	1100	12	10	5095	/	/	/	/	/	/	20.64	20.36	21.70
CA_2A-2A-66A	2	20	QPSK	50	0	18700	700	2	20	1100	66	20	66786	/	/	/	/	/	/	20.64	20.38	21.70
	66	20	16QAM	1	99	132072	66536	2	20	900	2	20	1100	/	/	/	/	/	/	21.83	21.56	23.20
CA_4A-4A-5A	4	20	16QAM	1	50	20050	2050	4	20	2300	5	10	2525	/	/	/	/	/	/	21.54	21.33	22.20
	5	10	QPSK	1	0	20600	2600	4	20	2175	4	10	2350	/	/	/	/	/	/	23.87	23.63	24.70
CA_4A-4A-7A	4	20	16QAM	1	50	20050	2050	4	20	2300	7	20	3100	/	/	/	/	/	/	21.54	21.16	22.20
	7	20	QPSK	50	0	21350	3350	4	20	2175	4	10	2350	/	/	/	/	/	/	19.77	19.57	20.20
CA_4A-4A-12A	4	20	16QAM	1	50	20050	2050	4	20	2300	12	10	5095	/	/	/	/	/	/	21.54	21.16	22.20
CA_4A-12B	4	20	16QAM	1	50	20050	2050	12	5	5095	12	5	5143	/	/	/	/	/	/	21.54	21.22	22.20
CA_5A-7C	5	10	QPSK	1	0	20600	2600	7	20	3100	7	20	3298	/	/	/	/	/	/	23.87	23.60	24.70
	7	20	QPSK	50	0	21350	3350	7	20	3152	5	10	2525	/	/	/	/	/	/	19.77	19.45	20.20
CA_5A-7A-7A	5	10	QPSK	1	0	20600	2600	7	20	3100	7	20	3350	/	/	/	/	/	/	23.87	23.49	24.70
	7	20	QPSK	50	0	21350	3350	7	20	2850	5	10	2525	/	/	/	/	/	/	19.77	19.43	20.20
CA_26A-41C	26	15	QPSK	1	74	26765	8765	41	20	40473	41	20	40671	/	/	/	/	/	/	23.69	23.46	24.90
	26	15	QPSK	1	74	26765	8765	41	20	40807	41	20	41005	/	/	/	/	/	/	23.69	23.34	24.90
	41	20	QPSK	1	0	41140	41140	41	20	40942	26	15	8865	/	/	/	/	/	/	22.95	22.66	24.20
CA_2A-4A-5A	2	20	QPSK	50	0	18700	700	4	20	2175	5	10	2525	/	/	/	/	/	/	20.64	20.38	21.70
	4	20	16QAM	1	50	20050	2050	2	20	900	5	10	2525	/	/	/	/	/	/	21.54	21.22	22.20
	5	10	QPSK	1	0	20600	2600	2	20	900	4	20	2175	/	/	/	/	/	/	23.87	23.54	24.70
CA_2A-5A-66A	2	20	QPSK	50	0	18700	700	5	10	2525	66	20	66786	/	/	/	/	/	/	20.64	20.38	21.70
	5	10	QPSK	1	0	20600	2600	2	20	900	66	20	66786	/	/	/	/	/	/	23.87	23.50	24.70
	66	20	16QAM	1	99	132072	66536	2	20	900	5	10	2525	/	/	/	/	/	/	21.83	21.59	23.20
CA_7C-66A-66A	7	20	QPSK	50	0	21350	3350	7	20	3152	66	20	66786	/	/	/	/	/	/	19.77	19.52	20.20
	66	20	16QAM	1	99	132072	66536	7	20	3100	7	20	3298	/	/	/	/	/	/	21.83	21.53	23.20
CA_7A-7A-66A-66A	7	20	QPSK	50	0	21350	3350	7	20	2850	66	20	66786	66	20	67036	/	/	/	19.77	19.38	20.20
	66	20	16QAM	1	99	132072	66536	66	20	67036	7	20	3100	7	20	3350	/	/	/	21.83	21.61	23.20
CA_2A-4A-7A-7A	2	20	QPSK	50	0	18700	700	4	20	2175	7	20	3100	7	20	3350	/	/	/	20.64	20.43	21.70
	4	20	16QAM	1	50	20050	2050	2	20	900	7	20	3100	7	20	3350	/	/	/	21.54	21.33	22.20
	7	20	QPSK	50	0	21350	3350	7	20	2850	2	20	900	4	20	2175	/	/	/	19.77	19.44	20.20
CA_2A-4A-7C	2	20	QPSK	50	0	18700	700	4	20	2175	7	20	3100	7	20	3298	/	/	/	20.64	20.28	21.70
	4	20	16QAM	1	50	20050	2050	2	20	900	7	20	3100	7	20	3298	/	/	/	21.54	21.16	22.20
	7	20	QPSK	50	0	21350	3350	7	20	3152	2	20	900	4	20	2175	/	/	/	19.77	19.52	20.20
CA_2A-4A-12A-12A	2	20	QPSK	50	0	18700	700	4	20	2175	12	5	5095	12	5	5155	/	/	/	20.64	20.41	21.70
	4	20	16QAM	1	50	20050	2050	2	20	900	12	5	5095	12	5	5155	/	/	/	21.54	21.33	22.20
CA_2A-5A-66C	2	20	QPSK	50	0	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	20.64	20.25	21.70
	5	10	QPSK	1	0	20600	2600	2	20	900	66	20	66786	66	20	66984	/	/	/	23.87	23.59	24.70
	66	20	16QAM	1	99	132072	66536	66	20	66743	2	20	900	5	10	2525	/	/	/	21.83	21.55	23.20
CA_2A-2A-66C	2	20	QPSK	50	0	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	20.64	20.40	21.70
	66	20	16QAM	1	99	132072	66536	66	20	66743	2	20	900	5	10	2525	/	/	/	21.83	21.46	23.20
CA_2A-7A-7A-66A	2	20	QPSK	50	0	18700	700	7	20	3100	7	20	3350	66	20	66786	/	/	/	20.64	20.25	21.70
	7	20	QPSK	50	0	21350	3350	7	20	2850	2	20	900	66	20	66786	/	/	/	19.77	19.56	20.20
	66	20	16QAM	1	99	132072	66536	2	20	900	7	20	3100	7	20	3350	/	/	/	21.83	21.54	23.20
CA_2A-7A-66A-66A	2	20	QPSK	50	0	18700	700	7	20	3100	66	20	66786	66	20	67036	/	/	/	20.64	20.36	21.70
	7	20	QPSK	50	0	21350	3350	2	20	900	66	20	66786	66	20	67036	/	/	/	19.77	19.38	20.20
	66	20	16QAM	1	99	132072	66536	66	20	67036	2	20	900	7	20	3100	/	/	/	21.83	21.58	23.20
CA_2A-4A-7A-12A	2	20	QPSK	50	0	18700	700	4	20	2175	7	20	3100	12	10	5095	/	/	/	20.64	20.27	21.70
	4	20	16QAM	1	50	20050	2050	2	20	900	7	20	3100	12	10	5095	/	/	/	21.54	21.29	22.20
	7	20	QPSK	50	0	21350	3350	2	20	900	4	20	2175	12	10	5095	/	/	/	19.77	19.55	20.20
CA_2A-7A-12A-66A	2	20	QPSK	50	0	18700	700	7	20	3100	12	10	5095	66	20	66786	/	/	/	20.64	20.30	21.70
	7	20	QPSK	50	0	21350	3350	2	20	900	12	10	5095	66	20	66786	/	/	/	19.77	19.47	20.20
	66	20	16QAM	1	99	132072	66536	2	20	900	7	20	3100	12	10	5095	/	/	/	21.83	21.51	23.20
CA_2A-7A-12B-66A	2	20	QPSK	50	0	18700	700	7	20	3100	12	5	5095	12	5	5143	66	20	66786	20.64	20.25	21.70
	7	20	QPSK	50	0	21350	3350	2	20	900	12	5	5095	12	5	5143	66	20	66786	19.77	19.43	20.20
	66	20	16QAM	1	99	132072	66536	2	20	900	7	20	3100	12	5	5095	12	5	5143	21.83	21.51	23.20

Table 103: Conducted power measurement results of DL CA(Second Antenna, Full Power)

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DL LTE CA Class	PCC							SCC1			SCC 2			SCC3			SCC4			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Ref 8 LTE Tx Power	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	QPSK	100	0	19100	1100	2	20	902	/	/	/	/	/	/	/	/	/	15.65	15.47	16.70
CA_5B	5	10	16QAM	1	49	20450	2450	5	10	2549	/	/	/	/	/	/	/	/	/	18.10	17.84	18.70
CA_38C	38	20	16QAM	1	99	37850	37850	38	20	38048	/	/	/	/	/	/	/	/	/	15.12	15.03	16.00
CA_66B	66	10	16QAM	1	49	132322	66786	66	10	66885	/	/	/	/	/	/	/	/	/	14.76	14.59	16.20
CA_2A-17A	2	20	QPSK	100	0	19100	1100	17	10	5790	/	/	/	/	/	/	/	/	/	15.65	15.51	16.70
CA_4A-17A	4	20	16QAM	1	0	20050	2050	17	10	5790	/	/	/	/	/	/	/	/	/	14.46	14.34	15.20
CA_26A-41A	26	15	16QAM	1	0	26965	8965	41	20	40473	/	/	/	/	/	/	/	/	/	18.65	18.49	19.40
	26	15	16QAM	1	0	26965	8965	41	20	40807	/	/	/	/	/	/	/	/	/	18.65	18.57	19.40
	41	20	16QAM	1	50	41140	41140	26	15	8865	/	/	/	/	/	/	/	/	/	15.16	14.82	16.20
CA_41D	41	20	16QAM	1	50	41140	41140	41	20	40942	41	20	40744	/	/	/	/	/	/	15.16	14.91	16.20
CA_66D	66	20	16QAM	1	99	132572	67036	66	20	66838	66	20	66640	/	/	/	/	/	/	14.77	14.58	16.20
CA_2A-4A-4A	2	20	QPSK	100	0	19100	1100	4	20	2175	4	10	2350	/	/	/	/	/	/	15.65	15.57	16.70
	4	20	16QAM	1	0	20050	2050	4	20	2300	2	20	900	/	/	/	/	/	/	14.46	14.35	15.20
CA_2A-2A-5A	2	20	QPSK	100	0	19100	1100	2	20	700	5	10	2525	/	/	/	/	/	/	15.65	15.60	16.70
	5	10	16QAM	1	49	20450	2450	2	20	900	2	20	1100	/	/	/	/	/	/	18.10	18.20	18.70
CA_2A-2A-12A	2	20	QPSK	100	0	19100	1100	2	20	700	12	10	5095	/	/	/	/	/	/	15.65	15.50	16.70
CA_2A-2A-66A	2	20	QPSK	100	0	19100	1100	2	20	700	66	20	66786	/	/	/	/	/	/	15.65	15.49	16.70
	66	20	16QAM	1	99	132572	67036	2	20	900	2	15	1125	/	/	/	/	/	/	14.77	14.52	16.20
CA_4A-4A-5A	4	20	16QAM	1	0	20050	2050	4	20	2300	5	10	2525	/	/	/	/	/	/	14.46	14.26	15.20
	5	10	16QAM	1	49	20450	2450	4	20	2175	4	10	2350	/	/	/	/	/	/	18.10	17.88	18.70
CA_4A-4A-7A	4	20	16QAM	1	0	20050	2050	4	20	2300	7	20	3100	/	/	/	/	/	/	14.46	14.08	15.20
	7	20	16QAM	1	99	21100	3100	4	20	2175	4	10	2350	/	/	/	/	/	/	13.25	12.94	13.70
CA_4A-4A-12A	4	20	16QAM	1	0	20050	2050	4	20	2300	12	10	5095	/	/	/	/	/	/	14.46	14.12	15.20
CA_4A-12B	4	20	16QAM	1	0	20050	2050	12	5	5095	12	5	5143	/	/	/	/	/	/	14.46	14.20	15.20
CA_5A-7C	5	10	16QAM	1	49	20450	2450	7	20	3100	7	20	3298	/	/	/	/	/	/	18.10	17.74	18.70
	7	20	16QAM	1	99	21100	3100	7	20	3298	5	10	2525	/	/	/	/	/	/	13.25	13.02	13.70
CA_5A-7A-7A	5	10	16QAM	1	49	20450	2450	7	20	3100	7	20	3350	/	/	/	/	/	/	18.10	17.87	18.70
	7	20	16QAM	1	99	21100	3100	7	20	3350	5	10	2525	/	/	/	/	/	/	13.25	12.92	13.70
CA_26A-41C	26	15	16QAM	1	0	26965	8965	41	20	40473	41	20	40671	/	/	/	/	/	/	18.65	18.51	19.40
	26	15	16QAM	1	0	26965	8965	41	20	40807	41	20	41005	/	/	/	/	/	/	18.65	18.37	19.40
	41	20	16QAM	1	50	41140	41140	41	20	40942	26	15	8865	/	/	/	/	/	/	15.16	14.83	16.20
CA_2A-4A-5A	2	20	QPSK	100	0	19100	1100	4	20	2175	5	10	2525	/	/	/	/	/	/	15.65	15.30	16.70
	4	20	16QAM	1	0	20050	2050	4	20	2175	5	10	2525	/	/	/	/	/	/	14.46	14.07	15.20
	5	10	16QAM	1	49	20450	2450	2	20	900	4	20	2175	/	/	/	/	/	/	18.10	17.89	18.70
CA_2A-5A-66A	2	20	QPSK	100	0	19100	1100	5	10	2525	66	20	66786	/	/	/	/	/	/	15.65	15.35	16.70
	5	10	16QAM	1	49	20450	2450	2	20	900	66	20	66786	/	/	/	/	/	/	18.10	17.75	18.70
	66	20	16QAM	1	99	132572	67036	2	20	900	5	10	2525	/	/	/	/	/	/	14.77	14.44	16.20
CA_7C-66A-66A	7	20	16QAM	1	99	21100	3100	7	20	3298	66	20	66786	66	20	67036	/	/	/	13.25	12.94	13.70
	66	20	16QAM	1	99	132572	67036	66	20	66536	7	20	3100	7	20	3298	/	/	/	14.77	14.41	16.20
CA_7A-7A-66A-66A	7	20	16QAM	1	99	21100	3100	7	20	3350	66	20	66786	66	20	67036	/	/	/	13.25	12.93	13.70
	66	20	16QAM	1	99	132572	67036	66	20	66536	7	20	3100	7	20	3350	/	/	/	14.77	14.47	16.20
CA_2A-4A-7A-7A	2	20	QPSK	100	0	19100	1100	4	20	2175	7	20	3100	7	20	3350	/	/	/	15.65	15.31	16.70
	4	20	16QAM	1	0	20050	2050	2	20	900	7	20	3100	7	20	3350	/	/	/	14.46	14.50	15.20
	7	20	16QAM	1	99	21100	3100	7	20	3350	2	20	900	4	20	2175	/	/	/	13.25	13.21	13.70
CA_2A-4A-7C	2	20	QPSK	100	0	19100	1100	4	20	2175	7	20	3100	7	20	3298	/	/	/	15.65	15.74	16.70
	4	20	16QAM	1	0	20050	2050	2	20	900	7	20	3100	7	20	3298	/	/	/	14.46	14.39	15.20
	7	20	16QAM	1	99	21100	3100	7	20	3298	2	20	900	4	20	2175	/	/	/	13.25	13.24	13.70
CA_2A-4A-12A-12A	2	20	QPSK	100	0	19100	1100	4	20	2175	12	5	5095	12	5	5155	/	/	/	15.65	15.54	16.70
	4	20	16QAM	1	0	20050	2050	2	20	900	12	5	5095	12	5	5155	/	/	/	14.46	14.12	15.20
CA_2A-5A-66C	2	20	QPSK	100	0	19100	1100	5	10	2525	66	20	66786	66	20	66984	/	/	/	15.65	15.43	16.70
	5	10	16QAM	1	49	20450	2450	2	20	900	66	20	66786	66	20	66984	/	/	/	18.10	17.72	18.70
	66	20	16QAM	1	99	132572	67036	66	20	66838	2	20	900	5	10	2525	/	/	/	14.77	14.46	16.20
CA_2A-2A-66C	2	20	QPSK	100	0	19100	1100	2	20	700	66	20	66786	66	20	66984	/	/	/	15.65	15.40	16.70
	66	20	16QAM	1	99	132572	67036	66	20	66838	2	20	900	2	20	1100	/	/	/	14.77	14.44	16.20
CA_2A-7A-7A-66A	2	20	QPSK	100	0	19100	1100	7	20	3100	7	20	3350	66	20	66786	/	/	/	15.65	15.36	16.70
	7	20	16QAM	1	99	21100	3100	7	20	3350	2	20	900	66	20	66786	/	/	/	13.25	12.89	13.70
	66	20	16QAM	1	99	132572	67036	2	20	900	7	20	3100	7	20	3350	/	/	/	14.77	14.46	16.20
CA_2A-7A-66A-66A	2	20	QPSK	100	0	19100	1100	7	20	3100	66	20	66786	66	20	67036	/	/	/	15.65	15.37	16.70
	7	20	16QAM	1	99	21100	3100	2	20	900	66	20	66786	66	20	67036	/	/	/	13.25	12.97	13.70
	66	20	16QAM	1	99	132572	67036	66	20	66536	2	20	900	7	20	3100	/	/	/	14.77	14.51	16.20
CA_2A-4A-7A-12A	2	20	QPSK	100	0	19100	1100	4	20	2175	7	20	3100	12	10	5095	/	/	/	15.65	15.30	16.70
	4	20	16QAM	1	0	20050	2050	2	20	900	7	20	3100	12	10	5095	/	/	/	14.46	14.07	15.20
	7	20	16QAM	1	99	21100	3100	2	20	900	4	20	2175	12	10	5095	/	/	/	13.25	12.94	13.70
CA_2A-7A-12A-66A	2	20	QPSK	100	0	19100	1100	7	20	3100	12	10	5095	66	20	66786	/	/	/	15.65	15.40	16.70
	7	20	16QAM	1	99	21100	3100	2	20	900	12	10	5095	66	20	66786	/	/	/	13.25	12.98	13.70
	66	20	16QAM	1	99	132572	67036	2	20	900	7	20	3100	12	10	5095	/	/	/	14.77	14.46	16.20
CA_2A-7A-12B-66A	2	20	QPSK	100	0	19100	1100	7	20	3100	12	5	5095	12	5	5143	66	20	66786	15.65	15.39	16.70
	7	20	16QAM	1	99	21100	3100	2	20	900	12	5	5095	12	5	5143	66	20	66786	13.25	13.04	13.70
	66	20	16QAM	1	99	132572	67036	2	20	900	7	20	3100	12	5	5095	12	5	5143	14.77	14.52	16.20

Table 104: Conducted power measurement results of DL CA(Second Antenna, Reduced Power Level D1)

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DL LTE CA Class	PCC							SCC1			SCC 2			SCC3			SCC4			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	QPSK	50	25	18700	700	2	20	898	/	/	/	/	/	/	/	/	/	11.71	11.50	12.70
CA_5B	5	10	16QAM	1	0	20600	2600	5	10	2501	/	/	/	/	/	/	/	/	/	14.55	14.34	15.20
CA_38C	38	20	64QAM	50	25	38150	38150	38	20	37952	/	/	/	/	/	/	/	/	/	13.54	13.24	14.50
CA_66B	66	10	64QAM	25	25	132322	66786	66	10	66885	/	/	/	/	/	/	/	/	/	11.45	11.17	12.70
CA_2A-17A	2	20	QPSK	50	25	18700	700	17	10	5790	/	/	/	/	/	/	/	/	/	11.71	11.44	12.70
CA_4A-17A	4	20	QPSK	50	50	20300	2300	17	10	5790	/	/	/	/	/	/	/	/	/	11.40	11.18	12.20
CA_26A-41A	26	15	64QAM	1	74	26765	8765	41	20	40473	/	/	/	/	/	/	/	/	/	15.84	15.47	16.40
	26	15	64QAM	1	74	26765	8765	41	20	40807	/	/	/	/	/	/	/	/	/	15.84	15.52	16.40
	41	20	64QAM	1	0	41140	41140	26	15	8865	/	/	/	/	/	/	/	/	/	13.74	13.50	14.70
CA_41D	41	20	64QAM	1	0	41140	41140	41	20	40942	41	20	40744	/	/	/	/	/	/	13.74	13.35	14.70
CA_66D	66	20	64QAM	50	0	132572	67036	66	20	66838	66	20	66640	/	/	/	/	/	/	11.34	11.08	12.70
CA_2A-4A-4A	2	20	QPSK	50	25	18700	700	4	20	2175	4	10	2350	/	/	/	/	/	/	11.71	11.49	12.70
	4	20	QPSK	50	50	20300	2300	4	20	2300	2	20	900	/	/	/	/	/	/	11.40	11.03	12.20
CA_2A-2A-5A	2	20	QPSK	50	25	18700	700	2	20	1100	5	10	2525	/	/	/	/	/	/	11.71	11.35	12.70
	5	10	16QAM	1	0	20600	2600	2	20	900	2	20	1100	/	/	/	/	/	/	14.55	14.29	15.20
CA_2A-2A-12A	2	20	QPSK	50	25	18700	700	2	20	1100	12	10	5095	/	/	/	/	/	/	11.71	11.46	12.70
CA_2A-2A-66A	2	20	QPSK	50	25	18700	700	2	20	1100	66	20	66786	/	/	/	/	/	/	11.71	11.49	12.70
	66	20	64QAM	50	0	132572	67036	2	20	900	2	20	1100	/	/	/	/	/	/	11.34	11.07	12.70
CA_4A-4A-5A	4	20	QPSK	50	50	20300	2300	4	20	2050	5	10	2525	/	/	/	/	/	/	11.40	11.05	12.20
	5	10	16QAM	1	0	20600	2600	4	20	2175	4	10	2350	/	/	/	/	/	/	14.55	14.22	15.20
CA_4A-4A-7A	4	20	QPSK	50	50	20300	2300	4	20	2050	7	20	3100	/	/	/	/	/	/	11.40	11.14	12.20
	7	20	QPSK	50	0	21350	3350	4	20	2175	4	10	2350	/	/	/	/	/	/	11.27	11.03	11.70
CA_4A-4A-12A	4	20	QPSK	50	50	20300	2300	4	20	2050	12	10	5095	/	/	/	/	/	/	11.40	11.20	12.20
CA_4A-12B	4	20	QPSK	50	50	20300	2300	12	5	5095	12	5	5143	/	/	/	/	/	/	11.40	11.00	12.20
CA_5A-7C	5	10	16QAM	1	0	20600	2600	7	20	3100	7	20	3298	/	/	/	/	/	/	14.55	14.28	15.20
	7	20	QPSK	50	0	21350	3350	7	20	3152	5	10	2525	/	/	/	/	/	/	11.27	11.05	11.70
CA_5A-7A-7A	5	10	16QAM	1	0	20600	2600	7	20	3100	7	20	3350	/	/	/	/	/	/	14.55	14.30	15.20
	7	20	QPSK	50	0	21350	3350	7	20	2850	5	10	2525	/	/	/	/	/	/	11.27	10.92	11.70
CA_26A-41C	26	15	64QAM	1	74	26765	8765	41	20	40473	41	20	40671	/	/	/	/	/	/	15.84	15.58	16.40
	26	15	64QAM	1	74	26765	8765	41	20	40807	41	20	41005	/	/	/	/	/	/	15.84	15.54	16.40
	41	20	64QAM	1	0	41140	41140	41	20	40942	26	15	8865	/	/	/	/	/	/	13.74	13.40	14.70
CA_2A-4A-5A	2	20	QPSK	50	25	18700	700	4	20	2175	5	10	2525	/	/	/	/	/	/	11.71	11.48	12.70
	4	20	QPSK	50	50	20300	2300	4	20	2175	5	10	2525	/	/	/	/	/	/	11.40	11.16	12.20
	5	10	16QAM	1	0	20600	2600	2	20	900	4	20	2175	/	/	/	/	/	/	14.55	14.25	15.20
CA_2A-5A-66A	2	20	QPSK	50	25	18700	700	5	10	2525	66	20	66786	/	/	/	/	/	/	11.71	11.44	12.70
	5	10	16QAM	1	0	20600	2600	2	20	900	66	20	66786	/	/	/	/	/	/	14.55	14.24	15.20
	66	20	64QAM	50	0	132572	67036	2	20	900	5	10	2525	/	/	/	/	/	/	11.34	10.97	12.70
CA_7C-66A-66A	7	20	QPSK	50	0	21350	3350	7	20	3152	66	20	66786	/	/	/	/	/	/	11.27	11.03	11.70
	66	20	64QAM	50	0	132572	67036	7	20	3100	7	20	3298	/	/	/	/	/	/	11.34	10.97	12.70
CA_7A-7A-66A-66A	7	20	QPSK	50	0	21350	3350	7	20	2850	66	20	66786	66	20	67036	/	/	/	11.27	11.05	11.70
	66	20	64QAM	50	0	132572	67036	66	20	66536	7	20	3100	7	20	3350	/	/	/	11.34	10.98	12.70
CA_2A-4A-7A-7A	2	20	QPSK	50	25	18700	700	4	20	2175	7	20	3100	7	20	3350	/	/	/	11.71	11.45	12.70
	4	20	QPSK	50	50	20300	2300	2	20	900	7	20	3100	7	20	3350	/	/	/	11.40	11.01	12.20
	7	20	QPSK	50	0	21350	3350	7	20	2850	2	20	900	4	20	2175	/	/	/	11.27	11.00	11.70
CA_2A-4A-7C	2	20	QPSK	50	25	18700	700	4	20	2175	7	20	3100	7	20	3298	/	/	/	11.71	11.33	12.70
	4	20	QPSK	50	50	20300	2300	2	20	900	7	20	3100	7	20	3298	/	/	/	11.40	11.09	12.20
	7	20	QPSK	50	0	21350	3350	7	20	3152	2	20	900	4	20	2175	/	/	/	11.27	10.94	11.70
CA_2A-4A-12A-12A	2	20	QPSK	50	25	18700	700	4	20	2175	12	5	5095	12	5	5155	/	/	/	11.71	11.35	12.70
	4	20	QPSK	50	50	20300	2300	2	20	900	12	5	5095	12	5	5155	/	/	/	11.40	11.09	12.20
CA_2A-5A-66C	2	20	QPSK	50	25	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	11.71	11.45	12.70
	5	10	16QAM	1	0	20600	2600	2	20	900	66	20	66786	66	20	66984	/	/	/	14.55	14.30	15.20
	66	20	64QAM	50	0	132572	67036	66	20	66838	2	20	900	5	10	2525	/	/	/	11.34	11.10	12.70
CA_2A-2A-66C	2	20	QPSK	50	25	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	11.71	11.32	12.70
	66	20	64QAM	50	0	132572	67036	66	20	66838	2	20	900	5	10	2525	/	/	/	11.34	11.01	12.70
CA_2A-7A-7A-66A	2	20	QPSK	50	25	18700	700	7	20	3100	7	20	3350	66	20	66786	/	/	/	11.71	11.49	12.70
	7	20	QPSK	50	0	21350	3350	7	20	2850	2	20	900	66	20	66786	/	/	/	11.27	11.04	11.70
	66	20	64QAM	50	0	132572	67036	2	20	900	7	20	3100	7	20	3350	/	/	/	11.34	11.06	12.70
CA_2A-7A-66A-66A	2	20	QPSK	50	25	18700	700	7	20	3100	66	20	66786	66	20	67036	/	/	/	11.71	11.44	12.70
	7	20	QPSK	50	0	21350	3350	2	20	900	66	20	66786	66	20	67036	/	/	/	11.27	11.02	11.70
	66	20	64QAM	50	0	132572	67036	66	20	66536	2	20	900	7	20	3100	/	/	/	11.34	10.99	12.70
CA_2A-4A-7A-12A	2	20	QPSK	50	25	18700	700	4	20	2175	7	20	3100	12	10	5095	/	/	/	11.71	11.33	12.70
	4	20	QPSK	50	50	20300	2300	2	20	900	7	20	3100	12	10	5095	/	/	/	11.40	11.06	12.20
	7	20	QPSK	50	0	21350	3350	2	20	900	4	20	2175	12	10	5095	/	/	/	11.27	10.90	11.70
CA_2A-7A-12A-66A	2	20	QPSK	50	25	18700	700	7	20	3100	12	10	5095	66	20	66786	/	/	/	11.71	11.50	12.70
	7	20	QPSK	50	0	21350	3350	2	20	900	12	10	5095	66	20	66786	/	/	/	11.27	11.02	11.70
	66	20	64QAM	50	0	132572	67036	2	20	900	7	20	3100	12	10	5095	/	/	/	11.34	10.99	12.70
CA_2A-7A-12B-66A	2	20	QPSK	50	25	18700	700	7	20	3100	12	5	5095	12	5	5143	66	20	66786	11.71	11.37	12.70
	7	20	QPSK	50	0	21350	3350	2	20	900	12	5	5095	12	5	5143	66	20	66786	11.27	11.03	11.70
	66	20	64QAM	50	0	132572	67036	2	20	900	7	20	3100	12	5	5095	12	5	5143	11.34	11.07	12.70

Table 105: Conducted power measurement results of DL CA (Second Antenna, Reduced Power Level D3)

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DL LTE CA Class	PCC							SCC1			SCC 2			SCC3			SCC4			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	QPSK	50	25	18700	700	2	20	898	/	/	/	/	/	/	/	/	/	16.68	16.42	17.70
CA_5B	5	10	16QAM	1	25	20450	2450	5	10	2549	/	/	/	/	/	/	/	/	/	20.49	20.15	21.20
CA_38C	38	20	16QAM	1	0	38150	38150	38	20	37952	/	/	/	/	/	/	/	/	/	20.65	20.45	21.50
CA_66B	66	10	64QAM	25	13	132622	67086	66	10	66987	/	/	/	/	/	/	/	/	/	18.50	18.21	19.70
CA_2A-17A	2	20	QPSK	50	25	18700	700	17	10	5790	/	/	/	/	/	/	/	/	/	16.68	16.39	17.70
CA_4A-17A	4	20	16QAM	1	99	20050	2050	17	10	5790	/	/	/	/	/	/	/	/	/	18.41	18.03	19.20
CA_26A-41A	26	15	64QAM	1	74	26765	8765	41	20	40473	/	/	/	/	/	/	/	/	/	21.27	21.03	21.90
	26	15	64QAM	1	74	26765	8765	41	20	40807	/	/	/	/	/	/	/	/	/	21.27	21.07	21.90
	41	20	16QAM	1	0	40140	40140	26	15	8865	/	/	/	/	/	/	/	/	/	21.71	21.37	22.70
CA_41D	41	20	16QAM	1	0	40140	40140	41	20	40338	41	20	40536	/	/	/	/	/	/	21.71	21.38	22.70
CA_66D	66	20	64QAM	1	0	132572	67036	66	20	66838	66	20	66640	/	/	/	/	/	/	18.26	18.04	19.70
CA_2A-4A-4A	2	20	QPSK	50	25	18700	700	4	20	2175	4	10	2350	/	/	/	/	/	/	16.68	16.40	17.70
	4	20	16QAM	1	99	20050	2050	4	20	2300	2	20	900	/	/	/	/	/	/	18.41	18.20	19.20
CA_2A-2A-5A	2	20	QPSK	50	25	18700	700	2	20	1100	5	10	2525	/	/	/	/	/	/	16.68	16.36	17.70
	5	10	16QAM	1	25	20450	2450	2	20	900	2	20	1100	/	/	/	/	/	/	20.49	20.14	21.20
CA_2A-2A-12A	2	20	QPSK	50	25	18700	700	2	20	1100	12	10	5095	/	/	/	/	/	/	16.68	16.41	17.70
CA_2A-2A-66A	2	20	QPSK	50	25	18700	700	2	20	1100	66	20	66786	/	/	/	/	/	/	16.68	16.41	17.70
	66	20	64QAM	1	0	132572	67036	2	20	900	2	20	1100	/	/	/	/	/	/	18.26	18.05	19.70
CA_4A-4A-5A	4	20	16QAM	1	99	20050	2050	4	20	2300	5	10	2525	/	/	/	/	/	/	18.41	18.10	19.20
	5	10	16QAM	1	25	20450	2450	4	20	2175	4	10	2350	/	/	/	/	/	/	20.49	20.28	21.20
CA_4A-4A-7A	4	20	16QAM	1	99	20050	2050	4	20	2300	7	20	3100	/	/	/	/	/	/	18.41	18.17	19.20
	7	20	QPSK	50	50	21350	3350	4	20	2175	4	10	2350	/	/	/	/	/	/	17.17	16.79	17.70
CA_4A-4A-12A	4	20	16QAM	1	99	20050	2050	4	20	2300	12	10	5095	/	/	/	/	/	/	18.41	18.08	19.20
CA_4A-12B	4	20	16QAM	1	99	20050	2050	12	5	5095	12	5	5143	/	/	/	/	/	/	18.41	18.03	19.20
CA_5A-7C	5	10	16QAM	1	25	20450	2450	7	20	3100	7	20	3298	/	/	/	/	/	/	20.49	20.14	21.20
	7	20	QPSK	50	50	21350	3350	7	20	3152	5	10	2525	/	/	/	/	/	/	17.17	16.85	17.70
CA_5A-7A-7A	5	10	16QAM	1	25	20450	2450	7	20	3100	7	20	3350	/	/	/	/	/	/	20.49	20.22	21.20
	7	20	QPSK	50	50	21350	3350	7	20	2850	5	10	2525	/	/	/	/	/	/	17.17	16.88	17.70
CA_26A-41C	26	15	64QAM	1	74	26765	8765	41	20	40473	41	20	40671	/	/	/	/	/	/	21.27	20.96	21.90
	26	15	64QAM	1	74	26765	8765	41	20	40807	41	20	41005	/	/	/	/	/	/	21.27	21.07	21.90
	41	20	16QAM	1	0	40140	40140	41	20	40338	26	15	8865	/	/	/	/	/	/	21.71	21.45	22.70
CA_2A-4A-5A	2	20	QPSK	50	25	18700	700	4	20	2175	5	10	2525	/	/	/	/	/	/	16.68	16.38	17.70
	4	20	16QAM	1	99	20050	2050	4	20	2175	5	10	2525	/	/	/	/	/	/	18.41	18.05	19.20
	5	10	16QAM	1	25	20450	2450	2	20	900	4	20	2175	/	/	/	/	/	/	20.49	20.19	21.20
CA_2A-5A-66A	2	20	QPSK	50	25	18700	700	5	10	2525	66	20	66786	/	/	/	/	/	/	16.68	16.30	17.70
	5	10	16QAM	1	25	20450	2450	2	20	900	66	20	66786	/	/	/	/	/	/	20.49	20.14	21.20
	66	20	64QAM	1	0	132572	67036	2	20	900	5	10	2525	/	/	/	/	/	/	18.26	18.04	19.70
CA_7C-66A-66A	7	20	QPSK	50	50	21350	3350	7	20	3152	66	20	66786	/	/	/	/	/	/	17.17	16.78	17.70
	66	20	64QAM	1	0	132572	67036	7	20	3100	7	20	3298	/	/	/	/	/	/	18.26	18.04	19.70
CA_7A-7A-66A-66A	7	20	QPSK	50	50	21350	3350	7	20	2850	66	20	66786	66	20	67036	/	/	/	17.17	16.91	17.70
	66	20	64QAM	1	0	132572	67036	66	20	66536	7	20	3100	7	20	3350	/	/	/	18.26	17.89	19.70
CA_2A-4A-7A-7A	2	20	QPSK	50	25	18700	700	4	20	2175	7	20	3100	7	20	3350	/	/	/	16.68	16.46	17.70
	4	20	16QAM	1	99	20050	2050	2	20	900	7	20	3100	7	20	3350	/	/	/	18.41	18.08	19.20
	7	20	QPSK	50	50	21350	3350	7	20	2850	2	20	900	4	20	2175	/	/	/	17.17	16.77	17.70
CA_2A-4A-7C	2	20	QPSK	50	25	18700	700	4	20	2175	7	20	3100	7	20	3298	/	/	/	16.68	16.46	17.70
	4	20	16QAM	1	99	20050	2050	2	20	900	7	20	3100	7	20	3298	/	/	/	18.41	18.04	19.20
	7	20	QPSK	50	50	21350	3350	7	20	3152	2	20	900	4	20	2175	/	/	/	17.17	16.81	17.70
CA_2A-4A-12A-12A	2	20	QPSK	50	25	18700	700	4	20	2175	12	5	5095	12	5	5155	/	/	/	16.68	16.35	17.70
	4	20	16QAM	1	99	20050	2050	2	20	900	12	5	5095	12	5	5155	/	/	/	18.41	18.06	19.20
CA_2A-5A-66C	2	20	QPSK	50	25	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	16.68	16.43	17.70
	5	10	16QAM	1	25	20450	2450	2	20	900	66	20	66786	66	20	66984	/	/	/	20.49	20.18	21.20
	66	20	64QAM	1	0	132572	67036	66	20	66838	2	20	900	5	10	2525	/	/	/	18.26	17.89	19.70
CA_2A-2A-66C	2	20	QPSK	50	25	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	16.68	16.42	17.70
	66	20	64QAM	1	0	132572	67036	66	20	66838	2	20	900	5	10	2525	/	/	/	18.26	17.92	19.70
CA_2A-7A-7A-66A	2	20	QPSK	50	25	18700	700	7	20	3100	7	20	3350	66	20	66786	/	/	/	16.68	16.40	17.70
	7	20	QPSK	50	50	21350	3350	7	20	2850	2	20	900	66	20	66786	/	/	/	17.17	16.96	17.70
	66	20	64QAM	1	0	132572	67036	2	20	900	7	20	3100	7	20	3350	/	/	/	18.26	17.90	19.70
CA_2A-7A-66A-66A	2	20	QPSK	50	25	18700	700	7	20	3100	66	20	66786	66	20	67036	/	/	/	16.68	16.31	17.70
	7	20	QPSK	50	50	21350	3350	2	20	900	66	20	66786	66	20	67036	/	/	/	17.17	16.92	17.70
	66	20	64QAM	1	0	132572	67036	66	20	66536	2	20	900	7	20	3100	/	/	/	18.26	17.91	19.70
CA_2A-4A-7A-12A	2	20	QPSK	50	25	18700	700	4	20	2175	7	20	3100	12	10	5095	/	/	/	16.68	16.34	17.70
	4	20	16QAM	1	99	20050	2050	2	20	900	7	20	3100	12	10	5095	/	/	/	18.41	18.17	19.20
	7	20	QPSK	50	50	21350	3350	2	20	900	4	20	2175	12	10	5095	/	/	/	17.17	16.79	17.70
CA_2A-7A-12A-66A	2	20	QPSK	50	25	18700	700	7	20	3100	12	10	5095	66	20	66786	/	/	/	16.68	16.36	17.70
	7	20	QPSK	50	50	21350	3350	2	20	900	12	10	5095	66	20	66786	/	/	/	17.17	16.92	17.70
	66	20	64QAM	1	0	132572	67036	2	20	900	7	20	3100	12	10	5095	/	/	/	18.26	18.01	19.70
CA_2A-7A-12B-66A	2	20	QPSK	50	25	18700	700	7	20	3100	12	5	5095	12	5	5143	66	20	66786	16.68	16.44	17.70
	7	20	QPSK	50	50	21350	3350	2	20	900	12	5	5095	12	5	5143	66	20	66786	17.17	16.85	17.70
	66	20	64QAM	1	0	132572	67036	2	20	900	7	20	3100	12	5	5095	12	5	5143	18.26	17.96	19.70

Table 106: Conducted power measurement results of DL CA(Second Antenna, Reduced Power Level D2)

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DL LTE CA Class	PCC							SCC1			SCC 2			SCC3			SCC4			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	QPSK	1	0	18700	700	2	20	898	/	/	/	/	/	/	/	/	/	23.23	22.96	24.70
CA_5B	5	10	QPSK	1	0	20525	2525	5	5	2597	/	/	/	/	/	/	/	/	/	23.92	23.52	25.00
CA_38C	38	20	QPSK	1	50	37850	37850	38	20	38048	/	/	/	/	/	/	/	/	/	24.08	23.82	25.00
CA_66B	66	10	QPSK	1	0	132022	66486	66	10	66585	/	/	/	/	/	/	/	/	/	23.49	23.16	25.20
CA_2A-17A	2	20	QPSK	1	0	18700	700	17	10	5790	/	/	/	/	/	/	/	/	/	23.23	22.84	24.70
CA_4A-17A	4	20	QPSK	1	99	20300	2300	17	10	5790	/	/	/	/	/	/	/	/	/	24.13	23.74	25.20
CA_26A-41A	26	15	QPSK	1	0	26865	8865	41	20	40473	/	/	/	/	/	/	/	/	/	23.93	23.67	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	/	/	/	/	/	/	/	/	/	23.93	23.62	25.20
	41	20	QPSK	1	0	41140	41140	26	15	8865	/	/	/	/	/	/	/	/	/	24.14	23.79	25.20
CA_41D	41	20	QPSK	1	0	41140	41140	41	20	40942	41	20	40744	/	/	/	/	/	/	24.14	23.87	25.20
CA_66D	66	20	QPSK	1	0	132322	66786	66	20	66984	66	5	67101	/	/	/	/	/	/	23.41	23.15	25.20
CA_2A-4A-4A	2	20	QPSK	1	0	18700	700	4	20	2175	4	10	2350	/	/	/	/	/	/	23.23	22.99	24.70
	4	20	QPSK	1	99	20300	2300	4	20	2050	2	20	900	/	/	/	/	/	/	24.13	23.84	25.20
CA_2A-2A-5A	2	20	QPSK	1	0	18700	700	2	20	1100	5	10	2525	/	/	/	/	/	/	23.23	22.90	24.70
	5	10	QPSK	1	0	20525	2525	2	20	900	2	20	1100	/	/	/	/	/	/	23.92	23.69	25.00
CA_2A-2A-12A	2	20	QPSK	1	0	18700	700	2	20	1100	12	10	5095	/	/	/	/	/	/	23.23	22.97	24.70
CA_2A-2A-66A	2	20	QPSK	1	0	18700	700	2	20	1100	66	20	66786	/	/	/	/	/	/	23.23	22.95	24.70
	66	20	QPSK	1	0	132322	66786	2	20	900	2	20	1100	/	/	/	/	/	/	23.41	23.07	25.20
CA_4A-4A-5A	4	20	QPSK	1	99	20300	2300	4	20	2050	5	10	2525	/	/	/	/	/	/	24.13	23.77	25.20
	5	10	QPSK	1	0	20525	2525	4	20	2175	4	10	2350	/	/	/	/	/	/	23.92	23.69	25.00
CA_4A-4A-7A	4	20	QPSK	1	99	20300	2300	4	20	2050	7	20	3100	/	/	/	/	/	/	24.13	23.87	25.20
	7	20	QPSK	1	50	21350	3350	4	20	2175	4	10	2350	/	/	/	/	/	/	23.85	23.64	24.70
CA_4A-4A-12A	4	20	QPSK	1	99	20300	2300	4	20	2050	12	10	5095	/	/	/	/	/	/	24.13	23.81	25.20
CA_4A-12B	4	20	QPSK	1	99	20300	2300	12	5	5095	12	5	5143	/	/	/	/	/	/	24.13	23.81	25.20
CA_5A-7C	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3298	/	/	/	/	/	/	23.92	23.71	25.00
	7	20	QPSK	1	50	21350	3350	7	20	3152	5	10	2525	/	/	/	/	/	/	23.85	23.48	24.70
CA_5A-7A-7A	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3350	/	/	/	/	/	/	23.92	23.55	25.00
	7	20	QPSK	1	50	21350	3350	7	20	2850	5	10	2525	/	/	/	/	/	/	23.85	23.62	24.70
CA_26A-41C	26	15	QPSK	1	0	26865	8865	41	20	40473	41	20	40671	/	/	/	/	/	/	23.93	23.71	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	41	20	41005	/	/	/	/	/	/	23.93	23.62	25.20
	41	20	QPSK	1	0	41140	41140	41	20	40942	26	15	8865	/	/	/	/	/	/	24.14	23.77	25.20
CA_2A-4A-5A	2	20	QPSK	1	0	18700	700	4	20	2175	5	10	2525	/	/	/	/	/	/	23.23	22.99	24.70
	4	20	QPSK	1	99	20300	2300	4	20	2175	5	10	2525	/	/	/	/	/	/	24.13	23.84	25.20
	5	10	QPSK	1	0	20525	2525	2	20	900	4	20	2175	/	/	/	/	/	/	23.92	23.69	25.00
CA_2A-5A-66A	2	20	QPSK	1	0	18700	700	5	10	2525	66	20	66786	/	/	/	/	/	/	23.23	23.02	24.70
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	/	/	/	/	/	/	23.92	23.65	25.00
	66	20	QPSK	1	0	132322	66786	2	20	900	5	10	2525	/	/	/	/	/	/	23.41	23.12	25.20
CA_7C-66A-66A	7	20	QPSK	1	50	21350	3350	7	20	3152	66	20	66786	/	/	/	/	/	/	23.85	23.53	24.70
	66	20	QPSK	1	0	132322	66786	7	20	3100	7	20	3298	/	/	/	/	/	/	23.41	23.11	25.20
CA_7A-7A-66A-66A	7	20	QPSK	1	50	21350	3350	7	20	2850	66	20	66786	66	20	67036	/	/	/	23.85	23.64	24.70
	66	20	QPSK	1	0	132322	66786	66	10	67111	7	20	3100	7	20	3350	/	/	/	23.41	23.12	25.20
CA_2A-4A-7A-7A	2	20	QPSK	1	0	18700	700	4	20	2175	7	20	3100	7	20	3350	/	/	/	23.23	23.02	24.70
	4	20	QPSK	1	99	20300	2300	2	20	900	7	20	3100	7	20	3350	/	/	/	24.13	23.82	25.20
	7	20	QPSK	1	50	21350	3350	7	20	2850	2	20	900	4	20	2175	/	/	/	23.85	23.53	24.70
CA_2A-4A-7C	2	20	QPSK	1	0	18700	700	4	20	2175	7	20	3100	7	20	3298	/	/	/	23.23	22.89	24.70
	4	20	QPSK	1	99	20300	2300	2	20	900	7	20	3100	7	20	3298	/	/	/	24.13	23.92	25.20
	7	20	QPSK	1	50	21350	3350	7	20	3152	2	20	900	4	20	2175	/	/	/	23.85	23.64	24.70
CA_2A-4A-12A-12A	2	20	QPSK	1	0	18700	700	4	20	2175	12	5	5095	12	5	5155	/	/	/	23.23	22.89	24.70
	4	20	QPSK	1	99	20300	2300	2	20	900	12	5	5095	12	5	5155	/	/	/	24.13	23.78	25.20
CA_2A-5A-66C	2	20	QPSK	1	0	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	23.23	22.90	24.70
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	66	20	66984	/	/	/	23.92	23.63	25.00
	66	20	QPSK	1	0	132322	66786	66	20	66984	2	20	900	5	10	2525	/	/	/	23.41	23.05	25.20
CA_2A-2A-66C	2	20	QPSK	1	0	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	23.23	23.00	24.70
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	66	20	66984	/	/	/	23.92	23.65	25.00
	66	20	QPSK	1	0	132322	66786	66	20	66984	2	20	900	5	10	2525	/	/	/	23.41	23.02	25.20
CA_2A-7A-7A-66A	2	20	QPSK	1	0	18700	700	7	20	3100	7	20	3350	66	20	66786	/	/	/	23.23	22.93	24.70
	7	20	QPSK	1	50	21350	3350	7	20	2850	2	20	900	66	20	66786	/	/	/	23.85	23.51	24.70
	66	20	QPSK	1	0	132322	66786	2	20	900	7	20	3100	7	20	3350	/	/	/	23.41	23.19	25.20
CA_2A-7A-66A-66A	2	20	QPSK	1	0	18700	700	7	20	3100	66	20	66786	66	20	67036	/	/	/	23.23	23.01	24.70
	7	20	QPSK	1	50	21350	3350	2	20	900	66	20	66786	66	20	67036	/	/	/	23.85	23.48	24.70
	66	20	QPSK	1	0	132322	66786	66	20	67111	2	20	900	7	20	3100	/	/	/	23.41	23.20	25.20
CA_2A-4A-7A-12A	2	20	QPSK	1	0	18700	700	4	20	2175	7	20	3100	12	10	5095	/	/	/	23.23	22.99	24.70
	4	20	QPSK	1	99	20300	2300	2	20	900	7	20	3100	12	10	5095	/	/	/	24.13	23.81	25.20
	7	20	QPSK	1	50	21350	3350	2	20	900	4	20	2175	12	10	5095	/	/	/	23.85	23.62	24.70
CA_2A-7A-12A-66A	2	20	QPSK	1	0	18700	700	7	20	3100	12	10	5095	66	20	66786	/	/	/	23.23	22.93	24.70
	7	20	QPSK	1	50	21350	3350	2	20	900	12	10	5095	66	20	66786	/	/	/	23.85	23.56	24.70
	66	20	QPSK	1	0	132322	66786	2	20	900	7	20	3100	12	10	5095	/	/	/	23.41	23.01	25.20
CA_2A-7A-12B-66A	2	20	QPSK	1	0	18700	700	7	20	3100	12	5	5095	12	5	5143	66	20	66786	23.23	22.94	24.70
	7	20	QPSK	1	50	21350	3350	2	20	900	12	5	5095	12	5	5143	66	20	66786	23.85	23.62	24.70
	66	20	QPSK	1	0	132322	66786	2	20	900	7	20	3100	12	5	5095	12	5	5143	23.41	23.41	25.20

Table 107: Conducted power measurement results of DL CA(Main Antenna,Full Power)

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DL LTE CA Class	PCC							SCC1			SCC 2			SCC3			SCC4			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	QPSK	50	50	18700	700	2	20	898	/	/	/	/	/	/	/	/	/	21.58	21.25	22.70
CA_5B	5	10	QPSK	1	0	20525	2525	5	5	2597	/	/	/	/	/	/	/	/	/	23.92	23.60	25.00
CA_38C	38	20	16QAM	1	99	37850	37850	38	20	38048	/	/	/	/	/	/	/	/	/	22.56	22.22	23.00
CA_66B	66	10	16QAM	1	0	132022	66486	66	10	66585	/	/	/	/	/	/	/	/	/	21.63	21.31	23.20
CA_2A-17A	2	20	QPSK	50	50	18700	700	17	10	5790	/	/	/	/	/	/	/	/	/	21.58	21.20	22.70
CA_4A-17A	4	20	16QAM	1	99	20300	2300	17	10	5790	/	/	/	/	/	/	/	/	/	21.34	21.03	22.20
CA_26A-41A	26	15	QPSK	1	0	26865	8865	41	20	40473	/	/	/	/	/	/	/	/	/	23.93	23.63	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	/	/	/	/	/	/	/	/	/	23.93	23.55	25.20
	41	20	16QAM	1	99	41140	41140	26	15	8865	/	/	/	/	/	/	/	/	/	22.52	22.23	23.20
CA_41D	41	20	16QAM	1	99	41140	41140	41	20	40942	41	20	40744	/	/	/	/	/	/	22.52	22.19	23.20
CA_66D	66	20	16QAM	1	0	132322	66786	66	20	66984	66	5	67101	/	/	/	/	/	/	21.66	21.29	23.20
CA_2A-4A-4A	2	20	QPSK	50	50	18700	700	4	20	2175	4	10	2350	/	/	/	/	/	/	21.58	21.18	22.70
	4	20	16QAM	1	99	20300	2300	4	20	2050	2	20	900	/	/	/	/	/	/	21.34	21.01	22.20
CA_2A-2A-5A	2	20	QPSK	50	50	18700	700	2	20	1100	5	10	2525	/	/	/	/	/	/	21.58	21.31	22.70
	5	10	QPSK	1	0	20525	2525	2	20	900	2	20	1100	/	/	/	/	/	/	23.92	23.55	25.00
CA_2A-2A-12A	2	20	QPSK	50	50	18700	700	2	20	1100	12	10	5095	/	/	/	/	/	/	21.58	21.28	22.70
CA_2A-2A-66A	2	20	QPSK	50	50	18700	700	2	20	1100	66	20	66786	/	/	/	/	/	/	21.58	21.24	22.70
	66	20	16QAM	1	0	132322	66786	2	20	900	2	20	1100	/	/	/	/	/	/	21.66	21.35	23.20
CA_4A-4A-5A	4	20	16QAM	1	99	20300	2300	4	20	2050	5	10	2525	/	/	/	/	/	/	21.34	21.11	22.20
	5	10	QPSK	1	0	20525	2525	4	20	2175	4	10	2350	/	/	/	/	/	/	23.92	23.68	25.00
CA_4A-4A-7A	4	20	16QAM	1	99	20300	2300	4	20	2050	7	20	3100	/	/	/	/	/	/	21.34	21.05	22.20
	7	20	16QAM	1	50	21350	3350	4	20	2175	4	10	2350	/	/	/	/	/	/	20.14	19.92	20.70
CA_4A-4A-12A	4	20	16QAM	1	99	20300	2300	4	20	2050	12	10	5095	/	/	/	/	/	/	21.34	21.04	22.20
CA_4A-12B	4	20	16QAM	1	99	20300	2300	12	5	5095	12	5	5143	/	/	/	/	/	/	21.34	21.03	22.20
CA_5A-7C	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3298	/	/	/	/	/	/	23.92	23.57	25.00
	7	20	16QAM	1	50	21350	3350	7	20	3152	5	10	2525	/	/	/	/	/	/	20.14	19.82	20.70
CA_5A-7A-7A	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3350	/	/	/	/	/	/	23.92	23.69	25.00
	7	20	16QAM	1	50	21350	3350	7	20	2850	5	10	2525	/	/	/	/	/	/	20.14	19.93	20.70
CA_26A-41C	26	15	QPSK	1	0	26865	8865	41	20	40473	41	20	40671	/	/	/	/	/	/	23.93	23.61	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	41	20	41005	/	/	/	/	/	/	23.93	23.64	25.20
	41	20	16QAM	1	99	41140	41140	41	20	40942	26	15	8865	/	/	/	/	/	/	22.52	22.31	23.20
CA_2A-4A-5A	2	20	QPSK	50	50	18700	700	4	20	2175	5	10	2525	/	/	/	/	/	/	21.58	21.30	22.70
	4	20	16QAM	1	99	20300	2300	4	20	2175	5	10	2525	/	/	/	/	/	/	21.34	21.04	22.20
	5	10	QPSK	1	0	20525	2525	2	20	900	4	20	2175	/	/	/	/	/	/	23.92	23.63	25.00
CA_2A-5A-66A	2	20	QPSK	50	50	18700	700	5	10	2525	66	20	66786	/	/	/	/	/	/	21.58	21.29	22.70
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	/	/	/	/	/	/	23.92	23.65	25.00
	66	20	16QAM	1	0	132322	66786	2	20	900	5	10	2525	/	/	/	/	/	/	21.66	21.40	23.20
CA_7C-66A-66A	7	20	16QAM	1	50	21350	3350	7	20	3152	66	20	66786	/	/	/	/	/	/	20.14	19.92	20.70
	66	20	16QAM	1	0	132322	66786	7	20	3100	7	20	3298	/	/	/	/	/	/	21.66	21.39	23.20
CA_7A-7A-66A-66A	7	20	16QAM	1	50	21350	3350	7	20	2850	66	20	66786	66	20	67036	/	/	/	20.14	19.87	20.70
	66	20	16QAM	1	0	132322	66786	66	10	67111	7	20	3100	7	20	3350	/	/	/	21.66	21.33	23.20
CA_2A-4A-7A-7A	2	20	QPSK	50	50	18700	700	4	20	2175	7	20	3100	7	20	3350	/	/	/	21.58	21.26	22.70
	4	20	16QAM	1	99	20300	2300	2	20	900	7	20	3100	7	20	3350	/	/	/	21.34	20.98	22.20
	7	20	16QAM	1	50	21350	3350	7	20	2850	2	20	900	4	20	2175	/	/	/	20.14	19.81	20.70
CA_2A-4A-7C	2	20	QPSK	50	50	18700	700	4	20	2175	7	20	3100	7	20	3298	/	/	/	21.58	21.34	22.70
	4	20	16QAM	1	99	20300	2300	2	20	900	7	20	3100	7	20	3298	/	/	/	21.34	21.01	22.20
	7	20	16QAM	1	50	21350	3350	7	20	3152	2	20	900	4	20	2175	/	/	/	20.14	19.81	20.70
CA_2A-4A-12A-12A	2	20	QPSK	50	50	18700	700	4	20	2175	12	5	5095	12	5	5155	/	/	/	21.58	21.22	22.70
	4	20	16QAM	1	99	20300	2300	2	20	900	12	5	5095	12	5	5155	/	/	/	21.34	20.96	22.20
CA_2A-5A-66C	2	20	QPSK	50	50	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	21.58	21.22	22.70
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	66	20	66984	/	/	/	23.92	23.57	25.00
	66	20	16QAM	1	0	132322	66786	66	20	66984	2	20	900	5	10	2525	/	/	/	21.66	21.32	23.20
CA_2A-2A-66C	2	20	QPSK	50	50	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	21.58	21.30	22.70
	66	20	16QAM	1	0	132322	66786	66	20	66984	2	20	900	5	10	2525	/	/	/	21.66	21.29	23.20
CA_2A-7A-7A-66A	2	20	QPSK	50	50	18700	700	7	20	3100	7	20	3350	66	20	66786	/	/	/	21.58	21.25	22.70
	7	20	16QAM	1	50	21350	3350	7	20	2850	2	20	900	66	20	66786	/	/	/	20.14	19.76	20.70
	66	20	16QAM	1	0	132322	66786	2	20	900	7	20	3100	7	20	3350	/	/	/	21.66	21.27	23.20
CA_2A-7A-66A-66A	2	20	QPSK	50	50	18700	700	7	20	3100	66	20	66786	66	20	67036	/	/	/	21.58	21.25	22.70
	7	20	16QAM	1	50	21350	3350	2	20	900	66	20	66786	66	20	67036	/	/	/	20.14	19.85	20.70
	66	20	16QAM	1	0	132322	66786	66	20	67111	2	20	900	7	20	3100	/	/	/	21.66	21.31	23.20
CA_2A-4A-7A-12A	2	20	QPSK	50	50	18700	700	4	20	2175	7	20	3100	12	10	5095	/	/	/	21.58	21.36	22.70
	4	20	16QAM	1	99	20300	2300	2	20	900	7	20	3100	12	10	5095	/	/	/	21.34	20.94	22.20
	7	20	16QAM	1	50	21350	3350	2	20	900	4	20	2175	12	10	5095	/	/	/	20.14	19.81	20.70
CA_2A-7A-12A-66A	2	20	QPSK	50	50	18700	700	7	20	3100	12	10	5095	66	20	66786	/	/	/	21.58	21.19	22.70
	7	20	16QAM	1	50	21350	3350	2	20	900	12	10	5095	66	20	66786	/	/	/	20.14	19.76	20.70
	66	20	16QAM	1	0	132322	66786	2	20	900	7	20	3100	12	10	5095	/	/	/	21.66	21.39	23.20
CA_2A-7A-12B-66A	2	20	QPSK	50	50	18700	700	7	20	3100	12	5	5095	12	5	5143	66	20	66786	21.58	21.20	22.70
	7	20	16QAM	1	50	21350	3350	2	20	900	12	5	5095	12	5	5143	66	20	66786	20.14	19.91	20.70
	66	20	16QAM	1	0	132322	66786	2	20	900	7	20	3100	12	5	5095	12	5	5143	21.66	21.46	23.20

Table 108: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Level D1)

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DL LTE CA Class	PCC							SCC1			SCC 2			SCC3			SCC4			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	QPSK	1	0	18700	700	2	20	898	/	/	/	/	/	/	/	/	/	23.23	22.88	24.70
CA_5B	5	10	QPSK	1	0	20525	2525	5	5	2597	/	/	/	/	/	/	/	/	/	23.92	23.63	25.00
CA_38C	38	20	QPSK	1	50	37850	37850	38	20	38048	/	/	/	/	/	/	/	/	/	23.64	23.37	24.50
CA_66B	66	10	QPSK	1	0	132022	66486	66	10	66585	/	/	/	/	/	/	/	/	/	23.49	23.20	25.20
CA_2A-17A	2	20	QPSK	1	0	18700	700	17	10	5790	/	/	/	/	/	/	/	/	/	23.23	22.85	24.70
CA_4A-17A	4	20	QPSK	1	99	20300	2300	17	10	5790	/	/	/	/	/	/	/	/	/	24.13	23.92	25.20
CA_26A-41A	26	15	QPSK	1	0	26865	8865	41	20	40473	/	/	/	/	/	/	/	/	/	23.93	23.57	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	/	/	/	/	/	/	/	/	/	23.93	23.63	25.20
	41	20	QPSK	1	0	41140	41140	26	15	8865	/	/	/	/	/	/	/	/	/	24.14	23.74	25.20
CA_41D	41	20	QPSK	1	0	41140	41140	41	20	40942	41	20	40744	/	/	/	/	/	/	24.14	23.80	25.20
CA_66D	66	20	QPSK	1	0	132322	66786	66	20	66984	66	5	67101	/	/	/	/	/	/	23.41	23.07	25.20
CA_2A-4A-4A	2	20	QPSK	1	0	18700	700	4	20	2175	4	10	2350	/	/	/	/	/	/	23.23	22.91	24.70
	4	20	QPSK	1	99	20300	2300	4	20	2050	2	20	900	/	/	/	/	/	/	24.13	23.83	25.20
CA_2A-2A-5A	2	20	QPSK	1	0	18700	700	2	20	1100	5	10	2525	/	/	/	/	/	/	23.23	22.90	24.70
	5	10	QPSK	1	0	20525	2525	2	20	900	2	20	1100	/	/	/	/	/	/	23.92	23.61	25.00
CA_2A-2A-12A	2	20	QPSK	1	0	18700	700	2	20	1100	12	10	5095	/	/	/	/	/	/	23.23	22.85	24.70
CA_2A-2A-66A	2	20	QPSK	1	0	18700	700	2	20	1100	66	20	66786	/	/	/	/	/	/	23.23	23.01	24.70
	66	20	QPSK	1	0	132322	66786	2	20	900	2	20	1100	/	/	/	/	/	/	23.41	23.17	25.20
CA_4A-4A-5A	4	20	QPSK	1	99	20300	2300	4	20	2050	5	10	2525	/	/	/	/	/	/	24.13	23.85	25.20
	5	10	QPSK	1	0	20525	2525	4	20	2175	4	10	2350	/	/	/	/	/	/	23.92	23.67	25.00
CA_4A-4A-7A	4	20	QPSK	1	99	20300	2300	4	20	2050	7	20	3100	/	/	/	/	/	/	24.13	23.89	25.20
	7	20	16QAM	1	99	21350	3350	4	20	2175	4	10	2350	/	/	/	/	/	/	21.54	21.23	22.20
CA_4A-4A-12A	4	20	QPSK	1	99	20300	2300	4	20	2050	12	10	5095	/	/	/	/	/	/	24.13	23.85	25.20
CA_4A-12B	4	20	QPSK	1	99	20300	2300	12	5	5095	12	5	5143	/	/	/	/	/	/	24.13	23.80	25.20
CA_5A-7C	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3298	/	/	/	/	/	/	23.92	23.53	25.00
	7	20	16QAM	1	99	21350	3350	7	20	3152	5	10	2525	/	/	/	/	/	/	21.54	21.21	22.20
CA_5A-7A-7A	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3350	/	/	/	/	/	/	23.92	23.52	25.00
	7	20	16QAM	1	99	21350	3350	7	20	2850	5	10	2525	/	/	/	/	/	/	21.54	21.20	22.20
CA_26A-41C	26	15	QPSK	1	0	26865	8865	41	20	40473	41	20	40671	/	/	/	/	/	/	23.93	23.68	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	41	20	41005	/	/	/	/	/	/	23.93	23.64	25.20
	41	20	QPSK	1	0	41140	41140	41	20	40942	26	15	8865	/	/	/	/	/	/	24.14	23.81	25.20
CA_2A-4A-5A	2	20	QPSK	1	0	18700	700	4	20	2175	5	10	2525	/	/	/	/	/	/	23.23	22.83	24.70
	4	20	QPSK	1	99	20300	2300	4	20	2175	5	10	2525	/	/	/	/	/	/	24.13	23.84	25.20
	5	10	QPSK	1	0	20525	2525	2	20	900	4	20	2175	/	/	/	/	/	/	23.92	23.57	25.00
CA_2A-5A-66A	2	20	QPSK	1	0	18700	700	5	10	2525	66	20	66786	/	/	/	/	/	/	23.23	22.88	24.70
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	/	/	/	/	/	/	23.92	23.54	25.00
	66	20	QPSK	1	0	132322	66786	2	20	900	5	10	2525	/	/	/	/	/	/	23.41	23.11	25.20
CA_7C-66A-66A	7	20	16QAM	1	99	21350	3350	7	20	3152	66	20	66786	/	/	/	/	/	/	21.54	21.27	22.20
	66	20	QPSK	1	0	132322	66786	7	20	3100	7	20	3298	/	/	/	/	/	/	23.41	23.03	25.20
CA_7A-7A-66A-66A	7	20	16QAM	1	99	21350	3350	7	20	2850	66	20	66786	66	20	67036	/	/	/	21.54	21.24	22.20
	66	20	QPSK	1	0	132322	66786	66	10	67111	7	20	3100	7	20	3350	/	/	/	23.41	23.15	25.20
CA_2A-4A-7A-7A	2	20	QPSK	1	0	18700	700	4	20	2175	7	20	3100	7	20	3350	/	/	/	23.23	22.88	24.70
	4	20	QPSK	1	99	20300	2300	2	20	900	7	20	3100	7	20	3350	/	/	/	24.13	23.78	25.20
	7	20	16QAM	1	99	21350	3350	7	20	2850	2	20	900	4	20	2175	/	/	/	21.54	21.26	22.20
CA_2A-4A-7C	2	20	QPSK	1	0	18700	700	4	20	2175	7	20	3100	7	20	3298	/	/	/	23.23	22.92	24.70
	4	20	QPSK	1	99	20300	2300	2	20	900	7	20	3100	7	20	3298	/	/	/	24.13	23.88	25.20
	7	20	16QAM	1	99	21350	3350	7	20	3152	2	20	900	4	20	2175	/	/	/	21.54	21.17	22.20
CA_2A-4A-12A-12A	2	20	QPSK	1	0	18700	700	4	20	2175	12	5	5095	12	5	5155	/	/	/	23.23	22.90	24.70
	4	20	QPSK	1	99	20300	2300	2	20	900	12	5	5095	12	5	5155	/	/	/	24.13	23.74	25.20
CA_2A-5A-66C	2	20	QPSK	1	0	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	23.23	22.90	24.70
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	66	20	66984	/	/	/	23.92	23.53	25.00
	66	20	QPSK	1	0	132322	66786	66	20	66984	2	20	900	5	10	2525	/	/	/	23.41	23.17	25.20
CA_2A-2A-66C	2	20	QPSK	1	0	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	23.23	23.00	24.70
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	66	20	66984	/	/	/	23.92	23.69	25.00
	66	20	QPSK	1	0	132322	66786	66	20	66984	2	20	900	5	10	2525	/	/	/	23.41	23.16	25.20
CA_2A-7A-7A-66A	2	20	QPSK	1	0	18700	700	7	20	3100	7	20	3350	66	20	66786	/	/	/	23.23	22.90	24.70
	7	20	16QAM	1	99	21350	3350	7	20	2850	2	20	900	66	20	66786	/	/	/	21.54	21.34	22.20
	66	20	QPSK	1	0	132322	66786	2	20	900	7	20	3100	7	20	3350	/	/	/	23.41	23.15	25.20
CA_2A-7A-66A-66A	2	20	QPSK	1	0	18700	700	7	20	3100	66	20	66786	66	20	67036	/	/	/	23.23	22.84	24.70
	7	20	16QAM	1	99	21350	3350	2	20	900	66	20	66786	66	20	67036	/	/	/	21.54	21.20	22.20
	66	20	QPSK	1	0	132322	66786	66	20	67111	2	20	900	7	20	3100	/	/	/	23.41	23.06	25.20
CA_2A-4A-7A-12A	2	20	QPSK	1	0	18700	700	4	20	2175	7	20	3100	12	10	5095	/	/	/	23.23	22.88	24.70
	4	20	QPSK	1	99	20300	2300	2	20	900	7	20	3100	12	10	5095	/	/	/	24.13	23.80	25.20
	7	20	16QAM	1	99	21350	3350	2	20	900	4	20	2175	12	10	5095	/	/	/	21.54	21.32	22.20
CA_2A-7A-12A-66A	2	20	QPSK	1	0	18700	700	7	20	3100	12	10	5095	66	20	66786	/	/	/	23.23	23.01	24.70
	7	20	16QAM	1	99	21350	3350	2	20	900	12	10	5095	66	20	66786	/	/	/	21.54	21.15	22.20
	66	20	QPSK	1	0	132322	66786	2	20	900	7	20	3100	12	10	5095	/	/	/	23.41	23.12	25.20
CA_2A-7A-12B-66A	2	20	QPSK	1	0	18700	700	7	20	3100	12	5	5095	12	5	5143	66	20	66786	23.23	23.03	24.70
	7	20	16QAM	1	99	21350	3350	2	20	900	12	5	5095	12	5	5143	66	20	66786	21.54	21.31	22.20
	66	20	QPSK	1	0	132322	66786	2	20	900	7	20	3100	12	5	5095	12	5	5143	23.41	23.05	25.20

Table 109: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Level D2)

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DL LTE CA Class	PCC							SCC1			SCC 2			SCC3			SCC4			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	QPSK	50	50	18700	700	2	20	898	/	/	/	/	/	/	/	/	/	21.58	21.23	22.70
CA_5B	5	10	QPSK	1	0	20525	2525	5	5	2597	/	/	/	/	/	/	/	/	/	23.92	23.61	25.00
CA_38C	38	20	16QAM	1	99	37850	37850	38	20	38048	/	/	/	/	/	/	/	/	/	22.56	22.19	23.00
CA_66B	66	10	16QAM	1	0	132022	66486	66	10	66585	/	/	/	/	/	/	/	/	/	20.84	20.56	22.20
CA_2A-17A	2	20	QPSK	50	50	18700	700	17	10	5790	/	/	/	/	/	/	/	/	/	21.58	21.24	22.70
CA_4A-17A	4	20	16QAM	1	99	20300	2300	17	10	5790	/	/	/	/	/	/	/	/	/	21.34	21.05	22.20
CA_26A-41A	26	15	QPSK	1	0	26865	8865	41	20	40473	/	/	/	/	/	/	/	/	/	23.93	23.69	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	/	/	/	/	/	/	/	/	/	23.93	23.67	25.20
	41	20	16QAM	1	99	41140	41140	26	15	8865	/	/	/	/	/	/	/	/	/	22.52	22.28	23.20
CA_41D	41	20	16QAM	1	99	41140	41140	41	20	40942	41	20	40744	/	/	/	/	/	/	22.52	22.26	23.20
CA_66D	66	20	16QAM	1	0	132072	66536	66	20	66734	66	20	66932	/	/	/	/	/	/	20.78	20.45	22.20
CA_2A-4A-4A	2	20	QPSK	50	50	18700	700	4	20	2175	4	10	2350	/	/	/	/	/	/	21.58	21.20	22.70
	4	20	16QAM	1	99	20300	2300	4	20	2050	2	20	900	/	/	/	/	/	/	21.34	21.07	22.20
CA_2A-2A-5A	2	20	QPSK	50	50	18700	700	2	20	1100	5	10	2525	/	/	/	/	/	/	21.58	21.20	22.70
	5	10	QPSK	1	0	20525	2525	2	20	900	2	20	1100	/	/	/	/	/	/	23.92	23.71	25.00
CA_2A-2A-12A	2	20	QPSK	50	50	18700	700	2	20	1100	12	10	5095	/	/	/	/	/	/	21.58	21.32	22.70
CA_2A-2A-66A	2	20	QPSK	50	50	18700	700	2	20	1100	66	20	66786	/	/	/	/	/	/	21.58	21.35	22.70
	66	20	16QAM	1	0	132072	66536	2	20	900	2	20	1100	/	/	/	/	/	/	20.78	20.51	22.20
CA_4A-4A-5A	4	20	16QAM	1	99	20300	2300	4	20	2050	5	10	2525	/	/	/	/	/	/	21.34	21.03	22.20
	5	10	QPSK	1	0	20525	2525	4	20	2175	4	10	2350	/	/	/	/	/	/	23.92	23.67	25.00
CA_4A-4A-7A	4	20	16QAM	1	99	20300	2300	4	20	2050	7	20	3100	/	/	/	/	/	/	21.34	21.06	22.20
	7	20	16QAM	1	99	21350	3350	4	20	2175	4	10	2350	/	/	/	/	/	/	21.54	21.29	22.20
CA_4A-4A-12A	4	20	16QAM	1	99	20300	2300	4	20	2050	12	10	5095	/	/	/	/	/	/	21.34	21.01	22.20
CA_4A-12B	4	20	16QAM	1	99	20300	2300	12	5	5095	12	5	5143	/	/	/	/	/	/	21.34	21.07	22.20
CA_5A-7C	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3298	/	/	/	/	/	/	23.92	23.62	25.00
	7	20	16QAM	1	99	21350	3350	7	20	3152	5	10	2525	/	/	/	/	/	/	21.54	21.16	22.20
CA_5A-7A-7A	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3350	/	/	/	/	/	/	23.92	23.64	25.00
	7	20	16QAM	1	99	21350	3350	7	20	2850	5	10	2525	/	/	/	/	/	/	21.54	21.23	22.20
CA_26A-41C	26	15	QPSK	1	0	26865	8865	41	20	40473	41	20	40671	/	/	/	/	/	/	23.93	23.65	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	41	20	41005	/	/	/	/	/	/	23.93	23.68	25.20
	41	20	16QAM	1	99	41140	41140	41	20	40942	26	15	8865	/	/	/	/	/	/	22.52	22.26	23.20
CA_2A-4A-5A	2	20	QPSK	50	50	18700	700	4	20	2175	5	10	2525	/	/	/	/	/	/	21.58	21.29	22.70
	4	20	16QAM	1	99	20300	2300	4	20	2175	5	10	2525	/	/	/	/	/	/	21.34	21.08	22.20
	5	10	QPSK	1	0	20525	2525	2	20	900	4	20	2175	/	/	/	/	/	/	23.92	23.67	25.00
CA_2A-5A-66A	2	20	QPSK	50	50	18700	700	5	10	2525	66	20	66786	/	/	/	/	/	/	21.58	21.26	22.70
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	/	/	/	/	/	/	23.92	23.64	25.00
	66	20	16QAM	1	0	132072	66536	2	20	900	5	10	2525	/	/	/	/	/	/	20.78	20.52	22.20
CA_7C-66A-66A	7	20	16QAM	1	99	21350	3350	7	20	3152	66	20	66786	/	/	/	/	/	/	21.54	21.27	22.20
	66	20	16QAM	1	0	132072	66536	7	20	3100	7	20	3298	/	/	/	/	/	/	20.78	20.57	22.20
CA_7A-7A-66A-66A	7	20	16QAM	1	99	21350	3350	7	20	2850	66	20	66786	66	20	67036	/	/	/	21.54	21.17	22.20
	66	20	16QAM	1	0	132072	66536	66	20	67036	7	20	3100	7	20	3350	/	/	/	20.78	20.43	22.20
CA_2A-4A-7A-7A	2	20	QPSK	50	50	18700	700	4	20	2175	7	20	3100	7	20	3350	/	/	/	21.58	21.18	22.70
	4	20	16QAM	1	99	20300	2300	2	20	900	7	20	3100	7	20	3350	/	/	/	21.34	21.06	22.20
	7	20	16QAM	1	99	21350	3350	7	20	2850	2	20	900	4	20	2175	/	/	/	21.54	21.33	22.20
CA_2A-4A-7C	2	20	QPSK	50	50	18700	700	4	20	2175	7	20	3100	7	20	3298	/	/	/	21.58	21.34	22.70
	4	20	16QAM	1	99	20300	2300	2	20	900	7	20	3100	7	20	3298	/	/	/	21.34	21.05	22.20
	7	20	16QAM	1	99	21350	3350	7	20	3152	2	20	900	4	20	2175	/	/	/	21.54	21.19	22.20
CA_2A-4A-12A-12A	2	20	QPSK	50	50	18700	700	4	20	2175	12	5	5095	12	5	5155	/	/	/	21.58	21.35	22.70
	4	20	16QAM	1	99	20300	2300	2	20	900	12	5	5095	12	5	5155	/	/	/	21.34	21.13	22.20
CA_2A-5A-66C	2	20	QPSK	50	50	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	21.58	21.37	22.70
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	66	20	66984	/	/	/	23.92	23.59	25.00
	66	20	16QAM	1	0	132072	66536	66	20	66734	2	20	900	5	10	2525	/	/	/	20.78	20.48	22.20
CA_2A-2A-66C	2	20	QPSK	50	50	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	21.58	21.32	22.70
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	66	20	66984	/	/	/	23.92	23.55	25.00
	66	20	16QAM	1	0	132072	66536	66	20	66734	2	20	900	5	10	2525	/	/	/	20.78	20.41	22.20
CA_2A-7A-7A-66A	2	20	QPSK	50	50	18700	700	7	20	3100	7	20	3350	66	20	66786	/	/	/	21.58	21.25	22.70
	7	20	16QAM	1	99	21350	3350	7	20	2850	2	20	900	66	20	66786	/	/	/	21.54	21.17	22.20
	66	20	16QAM	1	0	132072	66536	2	20	900	7	20	3100	7	20	3350	/	/	/	20.78	20.45	22.20
CA_2A-7A-66A-66A	2	20	QPSK	50	50	18700	700	7	20	3100	66	20	66786	66	20	67036	/	/	/	21.58	21.26	22.70
	7	20	16QAM	1	99	21350	3350	2	20	900	66	20	66786	66	20	67036	/	/	/	21.54	21.15	22.20
	66	20	16QAM	1	0	132072	66536	66	20	67036	2	20	900	7	20	3100	/	/	/	20.78	20.50	22.20
CA_2A-4A-7A-12A	2	20	QPSK	50	50	18700	700	4	20	2175	7	20	3100	12	10	5095	/	/	/	21.58	21.21	22.70
	4	20	16QAM	1	99	20300	2300	2	20	900	7	20	3100	12	10	5095	/	/	/	21.34	21.06	22.20
	7	20	16QAM	1	99	21350	3350	2	20	900	4	20	2175	12	10	5095	/	/	/	21.54	21.32	22.20
CA_2A-7A-12A-66A	2	20	QPSK	50	50	18700	700	7	20	3100	12	10	5095	66	20	66786	/	/	/	21.58	21.27	22.70
	7	20	16QAM	1	99	21350	3350	2	20	900	12	10	5095	66	20	66786	/	/	/	21.54	21.23	22.20
	66	20	16QAM	1	0	132072	66536	2	20	900	7	20	3100	12	10	5095	/	/	/	20.78	20.54	22.20
CA_2A-7A-12B-66A	2	20	QPSK	50	50	18700	700	7	20	3100	12	5	5095	12	5	5143	66	20	66786	21.58	21.28	22.70
	7	20	16QAM	1	99	21350	3350	2	20	900	12	5	5095	12	5	5143	66	20	66786	21.54	21.32	22.20
	66	20	16QAM	1	0	132072	66536	2	20	900	7	20	3100	12	5	5095	12	5	5143	20.78	20.50	22.20

Table 110: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Level D3)

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DL LTE CA Class	PCC							SCC1			SCC 2			SCC3			SCC4			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	16QAM	1	99	18700	700	2	20	898	/	/	/	/	/	/	/	/	/	19.62	19.30	20.70
CA_5B	5	10	QPSK	1	0	20525	2525	5	5	2597	/	/	/	/	/	/	/	/	/	23.92	23.70	25.00
CA_38C	38	20	16QAM	50	50	37850	37850	38	20	38048	/	/	/	/	/	/	/	/	/	20.56	20.24	21.00
CA_66B	66	10	16QAM	1	0	132622	67086	66	10	66987	/	/	/	/	/	/	/	/	/	18.84	18.60	20.20
CA_2A-17A	2	20	16QAM	1	99	18700	700	17	10	5790	/	/	/	/	/	/	/	/	/	19.62	19.41	20.70
CA_4A-17A	4	20	64QAM	1	0	20300	2300	17	10	5790	/	/	/	/	/	/	/	/	/	18.49	18.15	19.20
CA_26A-41A	26	15	QPSK	1	0	26865	8865	41	20	40473	/	/	/	/	/	/	/	/	/	23.93	23.59	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	/	/	/	/	/	/	/	/	/	23.93	23.57	25.20
	41	20	64QAM	1	99	41140	41140	26	15	8865	/	/	/	/	/	/	/	/	/	20.56	20.25	21.20
CA_41D	41	20	64QAM	1	99	41140	41140	41	20	40942	41	20	40744	/	/	/	/	/	/	20.56	20.30	21.20
CA_66D	66	20	16QAM	1	0	132572	67036	66	20	66838	66	20	66640	/	/	/	/	/	/	18.76	18.48	20.20
CA_2A-4A-4A	2	20	16QAM	1	99	18700	700	4	20	2175	4	10	2350	/	/	/	/	/	/	19.62	19.37	20.70
	4	20	64QAM	1	0	20300	2300	4	20	2050	2	20	900	/	/	/	/	/	/	18.49	18.24	19.20
CA_2A-2A-5A	2	20	16QAM	1	99	18700	700	2	20	1100	5	10	2525	/	/	/	/	/	/	19.62	19.31	20.70
	5	10	QPSK	1	0	20525	2525	2	20	900	2	20	1100	/	/	/	/	/	/	23.92	23.63	25.00
CA_2A-2A-12A	2	20	16QAM	1	99	18700	700	2	20	1100	12	10	5095	/	/	/	/	/	/	19.62	19.24	20.70
CA_2A-2A-66A	2	20	16QAM	1	99	18700	700	2	20	1100	66	20	66786	/	/	/	/	/	/	19.62	19.39	20.70
	66	20	16QAM	1	0	132572	67036	2	20	900	2	20	1100	/	/	/	/	/	/	18.76	18.52	20.20
CA_4A-4A-5A	4	20	64QAM	1	0	20300	2300	4	20	2050	5	10	2525	/	/	/	/	/	/	18.49	18.11	19.20
	5	10	QPSK	1	0	20525	2525	4	20	2175	4	10	2350	/	/	/	/	/	/	23.92	23.64	25.00
CA_4A-4A-7A	4	20	64QAM	1	0	20300	2300	4	20	2050	7	20	3100	/	/	/	/	/	/	18.49	18.28	19.20
	7	20	QPSK	50	50	21350	3350	4	20	2175	4	10	2350	/	/	/	/	/	/	17.53	17.32	18.20
CA_4A-4A-12A	4	20	64QAM	1	0	20300	2300	4	20	2050	12	10	5095	/	/	/	/	/	/	18.49	18.22	19.20
CA_4A-12B	4	20	64QAM	1	0	20300	2300	12	5	5095	12	5	5143	/	/	/	/	/	/	18.49	18.26	19.20
CA_5A-7C	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3298	/	/	/	/	/	/	23.92	23.56	25.00
	7	20	QPSK	50	50	21350	3350	7	20	3152	5	10	2525	/	/	/	/	/	/	17.53	17.32	18.20
CA_5A-7A-7A	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3350	/	/	/	/	/	/	23.92	23.65	25.00
	7	20	QPSK	50	50	21350	3350	7	20	2850	5	10	2525	/	/	/	/	/	/	17.53	17.16	18.20
CA_26A-41C	26	15	QPSK	1	0	26865	8865	41	20	40473	41	20	40671	/	/	/	/	/	/	23.93	23.68	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	41	20	41005	/	/	/	/	/	/	23.93	23.68	25.20
	41	20	64QAM	1	99	41140	41140	41	20	40942	26	15	8865	/	/	/	/	/	/	20.56	20.29	21.20
CA_2A-4A-5A	2	20	16QAM	1	99	18700	700	4	20	2175	5	10	2525	/	/	/	/	/	/	19.62	19.32	20.70
	4	20	64QAM	1	0	20300	2300	4	20	2175	5	10	2525	/	/	/	/	/	/	18.49	18.18	19.20
	5	10	QPSK	1	0	20525	2525	2	20	900	4	20	2175	/	/	/	/	/	/	23.92	23.53	25.00
CA_2A-5A-66A	2	20	16QAM	1	99	18700	700	5	10	2525	66	20	66786	/	/	/	/	/	/	19.62	19.26	20.70
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	/	/	/	/	/	/	23.92	23.64	25.00
	66	20	16QAM	1	0	132572	67036	2	20	900	5	10	2525	/	/	/	/	/	/	18.76	18.42	20.20
CA_7C-66A-66A	7	20	QPSK	50	50	21350	3350	7	20	3152	66	20	66786	/	/	/	/	/	/	17.53	17.29	18.20
	66	20	16QAM	1	0	132572	67036	7	20	3100	7	20	3298	/	/	/	/	/	/	18.76	18.52	20.20
CA_7A-7A-66A-66A	7	20	QPSK	50	50	21350	3350	7	20	2850	66	20	66786	66	20	67036	/	/	/	17.53	17.21	18.20
	66	20	16QAM	1	0	132572	67036	66	20	66536	7	20	3100	7	20	3350	/	/	/	18.76	18.49	20.20
CA_2A-4A-7A-7A	2	20	16QAM	1	99	18700	700	4	20	2175	7	20	3100	7	20	3350	/	/	/	19.62	19.34	20.70
	4	20	64QAM	1	0	20300	2300	2	20	900	7	20	3100	7	20	3350	/	/	/	18.49	18.16	19.20
	7	20	QPSK	50	50	21350	3350	7	20	2850	2	20	900	4	20	2175	/	/	/	17.53	17.26	18.20
CA_2A-4A-7C	2	20	16QAM	1	99	18700	700	4	20	2175	7	20	3100	7	20	3298	/	/	/	19.62	19.29	20.70
	4	20	64QAM	1	0	20300	2300	2	20	900	7	20	3100	7	20	3298	/	/	/	18.49	18.11	19.20
	7	20	QPSK	50	50	21350	3350	7	20	3152	2	20	900	4	20	2175	/	/	/	17.53	17.20	18.20
CA_2A-4A-12A-12A	2	20	16QAM	1	99	18700	700	4	20	2175	12	5	5095	12	5	5155	/	/	/	19.62	19.39	20.70
	4	20	64QAM	1	0	20300	2300	2	20	900	12	5	5095	12	5	5155	/	/	/	18.49	18.25	19.20
CA_2A-5A-66C	2	20	16QAM	1	99	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	19.62	19.32	20.70
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	66	20	66984	/	/	/	23.92	23.56	25.00
	66	20	16QAM	1	0	132572	67036	66	20	66838	2	20	900	5	10	2525	/	/	/	18.76	18.43	20.20
CA_2A-2A-66C	2	20	16QAM	1	99	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/	19.62	19.40	20.70
	66	20	16QAM	1	0	132572	67036	66	20	66838	2	20	900	5	10	2525	/	/	/	18.76	18.38	20.20
CA_2A-7A-7A-66A	2	20	16QAM	1	99	18700	700	7	20	3100	7	20	3350	66	20	66786	/	/	/	19.62	19.40	20.70
	7	20	QPSK	50	50	21350	3350	7	20	2850	2	20	900	66	20	66786	/	/	/	17.53	17.23	18.20
	66	20	16QAM	1	0	132572	67036	2	20	900	7	20	3100	7	20	3350	/	/	/	18.76	18.43	20.20
CA_2A-7A-66A-66A	2	20	16QAM	1	99	18700	700	7	20	3100	66	20	66786	66	20	67036	/	/	/	19.62	19.38	20.70
	7	20	QPSK	50	50	21350	3350	2	20	900	66	20	66786	66	20	67036	/	/	/	17.53	17.31	18.20
	66	20	16QAM	1	0	132572	67036	66	20	66536	2	20	900	7	20	3100	/	/	/	18.76	18.54	20.20
CA_2A-4A-7A-12A	2	20	16QAM	1	99	18700	700	4	20	2175	7	20	3100	12	10	5095	/	/	/	19.62	19.42	20.70
	4	20	64QAM	1	0	20300	2300	2	20	900	7	20	3100	12	10	5095	/	/	/	18.49	18.29	19.20
	7	20	QPSK	50	50	21350	3350	2	20	900	4	20	2175	12	10	5095	/	/	/	17.53	17.17	18.20
CA_2A-7A-12A-66A	2	20	16QAM	1	99	18700	700	7	20	3100	12	10	5095	66	20	66786	/	/	/	19.62	19.28	20.70
	7	20	QPSK	50	50	21350	3350	2	20	900	12	10	5095	66	20	66786	/	/	/	17.53	17.24	18.20
	66	20	16QAM	1	0	132572	67036	2	20	900	7	20	3100	12	10	5095	/	/	/	18.76	18.46	20.20
CA_2A-7A-12B-66A	2	20	16QAM	1	99	18700	700	7	20	3100	12	5	5095	12	5	5143	66	20	66786	19.62	19.25	20.70
	7	20	QPSK	50	50	21350	3350	2	20	900	12	5	5095	12	5	5143	66	20	66786	17.53	17.25	18.20
	66	20	16QAM	1	0	132572	67036	2	20	900	7	20	3100	12	5	5095	12	5	5143	18.76	18.71	20.20

Table 111: Conducted power measurement results of DL CA(Main Antenna,Reduced Power Level D4)

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DL LTE CA Class	PCC							SCC1			SCC 2			SCC3			SCC4		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel
CA_2C	2	20	QPSK	50	50	18700	700	2	20	898	/	/	/	/	/	/	/	/	/
CA_5B	5	10	QPSK	1	0	20525	2525	5	5	2597	/	/	/	/	/	/	/	/	/
CA_38C	38	20	16QAM	1	50	37850	37850	38	20	38048	/	/	/	/	/	/	/	/	/
CA_66B	66	10	16QAM	1	0	132022	66486	66	10	66585	/	/	/	/	/	/	/	/	/
CA_2A-17A	2	20	QPSK	50	50	18700	700	17	10	5790	/	/	/	/	/	/	/	/	/
CA_4A-17A	4	20	16QAM	1	99	20300	2300	17	10	5790	/	/	/	/	/	/	/	/	/
CA_26A-41A	26	15	QPSK	1	0	26865	8865	41	20	40473	/	/	/	/	/	/	/	/	/
	26	15	QPSK	1	0	26865	8865	41	20	40807	/	/	/	/	/	/	/	/	/
	41	20	16QAM	1	99	41140	41140	26	15	8865	/	/	/	/	/	/	/	/	/
CA_41D	41	20	16QAM	1	99	41140	41140	41	20	40942	41	20	40744	/	/	/	/	/	/
CA_66D	66	20	16QAM	1	0	132072	66536	66	20	66734	66	20	66932	/	/	/	/	/	/
CA_2A-4A-4A	2	20	QPSK	50	50	18700	700	4	20	2175	4	10	2350	/	/	/	/	/	/
	4	20	16QAM	1	99	20300	2300	4	20	2050	2	20	900	/	/	/	/	/	/
CA_2A-2A-5A	2	20	QPSK	50	50	18700	700	2	20	1100	5	10	2525	/	/	/	/	/	/
	5	10	QPSK	1	0	20525	2525	2	20	900	2	20	1100	/	/	/	/	/	/
CA_2A-2A-12A	2	20	QPSK	50	50	18700	700	2	20	1100	12	10	5095	/	/	/	/	/	/
CA_2A-2A-66A	2	20	QPSK	50	50	18700	700	2	20	1100	66	20	66786	/	/	/	/	/	/
	66	20	16QAM	1	0	132072	66536	2	20	900	2	20	1100	/	/	/	/	/	/
CA_4A-4A-5A	4	20	16QAM	1	99	20300	2300	4	20	2050	5	10	2525	/	/	/	/	/	/
	5	10	QPSK	1	0	20525	2525	4	20	2175	4	10	2350	/	/	/	/	/	/
CA_4A-4A-7A	4	20	16QAM	1	99	20300	2300	4	20	2050	7	20	3100	/	/	/	/	/	/
	7	20	16QAM	1	0	21350	3350	4	20	2175	4	10	2350	/	/	/	/	/	/
CA_4A-4A-12A	4	20	16QAM	1	99	20300	2300	4	20	2050	12	10	5095	/	/	/	/	/	/
CA_4A-12B	4	20	16QAM	1	99	20300	2300	12	5	5095	12	5	5143	/	/	/	/	/	/
CA_5A-7C	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3298	/	/	/	/	/	/
	7	20	16QAM	1	0	21350	3350	7	20	3152	5	10	2525	/	/	/	/	/	/
CA_5A-7A-7A	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3350	/	/	/	/	/	/
	7	20	16QAM	1	0	21350	3350	7	20	2850	5	10	2525	/	/	/	/	/	/
CA_26A-41C	26	15	QPSK	1	0	26865	8865	41	20	40473	41	20	40671	/	/	/	/	/	/
	26	15	QPSK	1	0	26865	8865	41	20	40807	41	20	41005	/	/	/	/	/	/
	41	20	16QAM	1	99	41140	41140	41	20	40942	26	15	8865	/	/	/	/	/	/
CA_2A-4A-5A	2	20	QPSK	50	50	18700	700	4	20	2175	5	10	2525	/	/	/	/	/	/
	4	20	16QAM	1	99	20300	2300	4	20	2175	5	10	2525	/	/	/	/	/	/
	5	10	QPSK	1	0	20525	2525	2	20	900	4	20	2175	/	/	/	/	/	/
CA_2A-5A-66A	2	20	QPSK	50	50	18700	700	5	10	2525	66	20	66786	/	/	/	/	/	/
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	/	/	/	/	/	/
	66	20	16QAM	1	0	132072	66536	2	20	900	5	10	2525	/	/	/	/	/	/
CA_7C-66A-66A	7	20	16QAM	1	0	21350	3350	7	20	3152	66	20	66786	/	/	/	/	/	/
	66	20	16QAM	1	0	132072	66536	7	20	3100	7	20	3298	/	/	/	/	/	/
CA_7A-7A-66A-66A	7	20	16QAM	1	0	21350	3350	7	20	2850	66	20	66786	66	20	67036	/	/	/
	66	20	16QAM	1	0	132072	66536	66	20	67036	7	20	3100	7	20	3350	/	/	/
CA_2A-4A-7A-7A	2	20	QPSK	50	50	18700	700	4	20	2175	7	20	3100	7	20	3350	/	/	/
	4	20	16QAM	1	99	20300	2300	2	20	900	7	20	3100	7	20	3350	/	/	/
	7	20	16QAM	1	0	21350	3350	7	20	2850	2	20	900	4	20	2175	/	/	/
CA_2A-4A-7C	2	20	QPSK	50	50	18700	700	4	20	2175	7	20	3100	7	20	3298	/	/	/
	4	20	16QAM	1	99	20300	2300	2	20	900	7	20	3100	7	20	3298	/	/	/
	7	20	16QAM	1	0	21350	3350	7	20	3152	2	20	900	4	20	2175	/	/	/
CA_2A-4A-12A-12A	2	20	QPSK	50	50	18700	700	4	20	2175	12	5	5095	12	5	5155	/	/	/
	4	20	16QAM	1	99	20300	2300	2	20	900	12	5	5095	12	5	5155	/	/	/
CA_2A-5A-66C	2	20	QPSK	50	50	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/
	5	10	QPSK	1	0	20525	2525	2	20	900	66	20	66786	66	20	66984	/	/	/
	66	20	16QAM	1	0	132072	66536	66	20	66734	2	20	900	5	10	2525	/	/	/
CA_2A-2A-66C	2	20	QPSK	50	50	18700	700	5	10	2525	66	20	66786	66	20	66984	/	/	/
	66	20	16QAM	1	0	132072	66536	66	20	66734	2	20	900	5	10	2525	/	/	/
CA_2A-7A-7A-66A	2	20	QPSK	50	50	18700	700	7	20	3100	7	20	3350	66	20	66786	/	/	/
	7	20	16QAM	1	0	21350	3350	7	20	2850	2	20	900	66	20	66786	/	/	/
	66	20	16QAM	1	0	132072	66536	2	20	900	7	20	3100	7	20	3350	/	/	/
CA_2A-7A-66A-66A	2	20	QPSK	50	50	18700	700	7	20	3100	66	20	66786	66	20	67036	/	/	/
	7	20	16QAM	1	0	21350	3350	2	20	900	66	20	66786	66	20	67036	/	/	/
	66	20	16QAM	1	0	132072	66536	66	20	67036	2	20	900	7	20	3100	/	/	/
CA_2A-4A-7A-12A	2	20	QPSK	50	50	18700	700	4	20	2175	7	20	3100	12	10	5095	/	/	/
	4	20	16QAM	1	99	20300	2300	2	20	900	7	20	3100	12	10	5095	/	/	/
	7	20	16QAM	1	0	21350	3350	2	20	900	4	20	2175	12	10	5095	/	/	/
CA_2A-7A-12A-66A	2	20	QPSK	50	50	18700	700	7	20	3100	12	10	5095	66	20	66786	/	/	/
	7	20	16QAM	1	0	21350	3350	2	20	900	12	10	5095	66	20	66786	/	/	/
	66	20	16QAM	1	0	132072	66536	2	20	900	7	20	3100	12	10	5095	/	/	/
CA_2A-7A-12B-66A	2	20	QPSK	50	50	18700	700	7	20	3100	12	5	5095	12	5	5143	66	20	66786
	7	20	16QAM	1	0	21350	3350	2	20	900	12	5	5095	12	5	5143	66	20	66786
	66	20	16QAM	1	0	132072	66536	2	20	900	7	20	3100	12	5	5095	12	5	5143

Table 112: Conducted power measurement results of DL CA(Main Antenna,Reduced Power Level D5)

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7.1.32 Conducted Power measurements of Uplink LTE CA

For Intra-band uplink LTE CA measurement (Uplink CA_7C, CA_38C, CA_41C), the following procedure is applied:

Maximum output power is measured for each UL CA configuration for the required test channels :

- 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.

The MPR information for Intra-band uplink LTE CA is as below:

For intra-band contiguous carrier aggregation the allowed Maximum Power Reduction (MPR) for the maximum output power in Table 6.2.2A.0-2 due to higher order modulation and contiguously allocated transmissions (resource blocks) is specified in Table 6.2.3A.1.3-1. In case the modulation format is different on different component carriers then the MPR is determined by the rules applied to higher order of those modulations.

Table 6.2.3A.1.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	CA bandwidth Class B and C							MPR (dB)
	25 RB + 50 RB	50 RB + 50 RB	25 RB + 100 RB	50 RB + 100 RB	75 RB + 75 RB	75 RB + 100 RB	100 RB + 100 RB	
QPSK	> 8 and ≤ 25	> 12 and ≤ 50	> 8 and ≤ 25	> 12 and ≤ 50	> 16 and ≤ 75	> 16 and ≤ 75	> 18 and ≤ 100	≤ 1
QPSK	> 25	> 50	> 25	> 50	> 75	> 75	> 100	≤ 2
16 QAM	≤ 8	≤ 12	≤ 8	≤ 12	≤ 16	≤ 16	≤ 18	≤ 1
16 QAM	> 8 and ≤ 25	> 12 and ≤ 50	> 8 and ≤ 25	> 12 and ≤ 50	> 16 and ≤ 75	> 16 and ≤ 75	> 18 and ≤ 100	≤ 2
16 QAM	> 25	> 50	> 25	> 50	> 75	> 75	> 100	≤ 3

Table 113: MPR information for Uplink intra-band contiguous CA(QPSK and 16QAM)

For intra-band contiguous carrier aggregation the allowed Maximum Power Reduction (MPR) for the maximum output power in Table 6.2.2A.0-2due to higher order modulation and contiguously aggregated transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3A.1_1.3-1. In case the modulation format is different on different component carriers then the MPR is determined by the rules applied to higher order of those modulations.

Table 6.2.3A.1_1.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	CA bandwidth Class B and C							MPR (dB)
	25 RB + 50 RB	50 RB + 50 RB	25 RB + 100 RB	50 RB + 100 RB	75 RB + 75 RB	75 RB + 100 RB	100 RB + 100 RB	
64 QAM	≤ 8 and allocation wholly contained within a single CC	≤ 12 and allocation wholly contained within a single CC	≤ 8 and allocation wholly contained within a single CC	≤ 12 and allocation wholly contained within a single CC	≤ 16 and allocation wholly contained within a single CC	≤ 16 and allocation wholly contained within a single CC	≤ 18 and allocation wholly contained within a single CC	≤ 2
64 QAM	> 8 or allocation extends across two CC's	> 12 or allocation extends across two CC's	> 8 or allocation extends across two CC's	> 12 or allocation extends across two CC's	> 16 or allocation extends across two CC's	> 16 or allocation extends across two CC's	> 18 or allocation extends across two CC's	≤ 3

Table 114: MPR information for Uplink intra-band contiguous CA(64QAM)

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The UL CA conducted power measurements results are as below:

Antenna	CA Combanation	Test Scenario	Modulation	PCC						SCC						
				PCC Band	PCC Bandwidth (MHz)	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC UL Channel	SCC UL RB size	SCC UL RB offset	conducted power (dbm)	Tune up (dbm)
SEC ANT	CA_7C	Full Power	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	18.10	20.00
SEC ANT	CA_7C	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	18.15	20.00
SEC ANT	CA_7C	Full Power	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	18.07	20.00
SEC ANT	CA_7C	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	**18.25**	20.00
SEC ANT	UL CA_7C with DL CA_2A-7C	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	18.11	20.00
SEC ANT	UL CA_7C with DL CA_4A-7C	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	18.05	20.00
SEC ANT	UL CA_7C with DL CA_7C-66A	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	18.19	20.00
SEC ANT	UL CA_7C with DL CA_7C-66A-66A	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	18.20	20.00
SEC ANT	UL CA_7C with DL CA_5A-7C	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	18.09	20.00
SEC ANT	UL CA_7C with DL CA_2A-4A-7C	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	18.20	20.00
SEC ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	11.53	13.50
SEC ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	11.68	13.50
SEC ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	**11.86**	13.50
SEC ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	11.78	13.50
SEC ANT	UL CA_7C with DL CA_2A-7C	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	11.53	13.50
SEC ANT	UL CA_7C with DL CA_4A-7C	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	11.59	13.50
SEC ANT	UL CA_7C with DL CA_7C-66A	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	11.70	13.50
SEC ANT	UL CA_7C with DL CA_7C-66A-66A	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	11.58	13.50
SEC ANT	UL CA_7C with DL CA_5A-7C	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	11.61	13.50
SEC ANT	UL CA_7C with DL CA_2A-4A-7C	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	11.59	13.50
SEC ANT	CA_7C	Reduced Power Level D3	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	9.62	11.50
SEC ANT	CA_7C	Reduced Power Level D3	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	9.64	11.50
SEC ANT	CA_7C	Reduced Power Level D3	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	9.85	11.50
SEC ANT	CA_7C	Reduced Power Level D3	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	9.76	11.50
SEC ANT	UL CA_7C with DL CA_2A-7C	Reduced Power Level D3	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	9.70	11.50
SEC ANT	UL CA_7C with DL CA_4A-7C	Reduced Power Level D3	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	9.69	11.50
SEC ANT	UL CA_7C with DL CA_7C-66A	Reduced Power Level D3	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	9.61	11.50
SEC ANT	UL CA_7C with DL CA_7C-66A-66A	Reduced Power Level D3	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	9.67	11.50
SEC ANT	UL CA_7C with DL CA_5A-7C	Reduced Power Level D3	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	9.68	11.50
SEC ANT	UL CA_7C with DL CA_2A-4A-7C	Reduced Power Level D3	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	9.73	11.50
SEC ANT	CA_7C	Reduced Power Level D2	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	16.00	17.50
SEC ANT	CA_7C	Reduced Power Level D2	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	16.13	17.50
SEC ANT	CA_7C	Reduced Power Level D2	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	16.10	17.50
SEC ANT	CA_7C	Reduced Power Level D2	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	**16.32**	17.50
SEC ANT	UL CA_7C with DL CA_2A-7C	Reduced Power Level D2	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	16.20	17.50
SEC ANT	UL CA_7C with DL CA_4A-7C	Reduced Power Level D2	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	16.27	17.50
SEC ANT	UL CA_7C with DL CA_7C-66A	Reduced Power Level D2	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	16.25	17.50
SEC ANT	UL CA_7C with DL CA_7C-66A-66A	Reduced Power Level D2	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	16.17	17.50
SEC ANT	UL CA_7C with DL CA_5A-7C	Reduced Power Level D2	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	16.09	17.50
SEC ANT	UL CA_7C with DL CA_2A-4A-7C	Reduced Power Level D2	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	16.16	17.50

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MAIN ANT	CA_7C	Full Power	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	22.28	24.50
MAIN ANT	CA_7C	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	**22.52**	24.50
MAIN ANT	CA_7C	Full Power	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	22.37	24.50
MAIN ANT	CA_7C	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	22.38	24.50
MAIN ANT	UL CA_7C with DL CA_2A-7C	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	22.42	24.50
MAIN ANT	UL CA_7C with DL CA_4A-7C	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	22.40	24.50
MAIN ANT	UL CA_7C with DL CA_7C-66A	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	22.37	24.50
MAIN ANT	UL CA_7C with DL CA_7C-66A-66A	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	22.39	24.50
MAIN ANT	UL CA_7C with DL CA_5A-7C	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	22.34	24.50
MAIN ANT	UL CA_7C with DL CA_2A-4A-7C	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	22.42	24.50
MAIN ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	18.51	20.50
MAIN ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	18.52	20.50
MAIN ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	18.32	20.50
MAIN ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	18.44	20.50
MAIN ANT	UL CA_7C with DL CA_2A-7C	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	18.30	20.50
MAIN ANT	UL CA_7C with DL CA_4A-7C	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	18.29	20.50
MAIN ANT	UL CA_7C with DL CA_7C-66A	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	18.36	20.50
MAIN ANT	UL CA_7C with DL CA_7C-66A-66A	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	18.40	20.50
MAIN ANT	UL CA_7C with DL CA_5A-7C	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	18.35	20.50
MAIN ANT	UL CA_7C with DL CA_2A-4A-7C	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	18.42	20.50
MAIN ANT	CA_7C	Reduced Power Level D2/D3	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	20.75	22.00
MAIN ANT	CA_7C	Reduced Power Level D2/D3	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	20.66	22.00
MAIN ANT	CA_7C	Reduced Power Level D2/D3	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	20.78	22.00
MAIN ANT	CA_7C	Reduced Power Level D2/D3	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	**21.00**	22.00
MAIN ANT	UL CA_7C with DL CA_2A-7C	Reduced Power Level D2/D3	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	20.60	22.00
MAIN ANT	UL CA_7C with DL CA_4A-7C	Reduced Power Level D2/D3	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	20.68	22.00
MAIN ANT	UL CA_7C with DL CA_7C-66A	Reduced Power Level D2/D3	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	20.76	22.00
MAIN ANT	UL CA_7C with DL CA_7C-66A-66A	Reduced Power Level D2/D3	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	20.53	22.00
MAIN ANT	UL CA_7C with DL CA_5A-7C	Reduced Power Level D2/D3	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	20.63	22.00
MAIN ANT	UL CA_7C with DL CA_2A-4A-7C	Reduced Power Level D2/D3	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	20.59	22.00
MAIN ANT	CA_7C	Reduced Power Level D4	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	15.75	18.00
MAIN ANT	CA_7C	Reduced Power Level D4	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	16.01	18.00
MAIN ANT	CA_7C	Reduced Power Level D4	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	15.91	18.00
MAIN ANT	CA_7C	Reduced Power Level D4	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	15.88	18.00
MAIN ANT	UL CA_7C with DL CA_2A-7C	Reduced Power Level D4	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	15.62	18.00
MAIN ANT	UL CA_7C with DL CA_4A-7C	Reduced Power Level D4	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	15.68	18.00
MAIN ANT	UL CA_7C with DL CA_7C-66A	Reduced Power Level D4	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	15.69	18.00
MAIN ANT	UL CA_7C with DL CA_7C-66A-66A	Reduced Power Level D4	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	15.72	18.00
MAIN ANT	UL CA_7C with DL CA_5A-7C	Reduced Power Level D4	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	15.76	18.00
MAIN ANT	UL CA_7C with DL CA_2A-4A-7C	Reduced Power Level D4	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	15.69	18.00
MAIN ANT	CA_7C	Reduced Power Level D5	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	17.20	19.50
MAIN ANT	CA_7C	Reduced Power Level D5	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.51	19.50
MAIN ANT	CA_7C	Reduced Power Level D5	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	17.32	19.50
MAIN ANT	CA_7C	Reduced Power Level D5	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	17.36	19.50
MAIN ANT	UL CA_7C with DL CA_2A-7C	Reduced Power Level D5	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.40	19.50
MAIN ANT	UL CA_7C with DL CA_4A-7C	Reduced Power Level D5	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.36	19.50
MAIN ANT	UL CA_7C with DL CA_7C-66A	Reduced Power Level D5	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.47	19.50
MAIN ANT	UL CA_7C with DL CA_7C-66A-66A	Reduced Power Level D5	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.32	19.50
MAIN ANT	UL CA_7C with DL CA_5A-7C	Reduced Power Level D5	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.29	19.50
MAIN ANT	UL CA_7C with DL CA_2A-4A-7C	Reduced Power Level D5	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.40	19.50

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SEC ANT	CA_38C	Full Power	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	**21.72**	23.00
SEC ANT	CA_38C	Full Power	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	21.65	23.00
SEC ANT	CA_38C	Reduced Power Level D1	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	14.66	16.00
SEC ANT	CA_38C	Reduced Power Level D1	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	**14.92**	16.00
SEC ANT	CA_38C	Reduced Power Level D3	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	13.12	14.50
SEC ANT	CA_38C	Reduced Power Level D3	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	13.45	14.50
SEC ANT	CA_38C	Reduced Power Level D2	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	**20.26**	21.50
SEC ANT	CA_38C	Reduced Power Level D2	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	20.21	21.50
MAIN ANT	CA_38C	Full Power	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	**23.01**	25.00
MAIN ANT	CA_38C	Full Power	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	23.00	25.00
MAIN ANT	CA_38C	Reduced Power Level D1/D3	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	21.03	23.00
MAIN ANT	CA_38C	Reduced Power Level D1/D3	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	**21.20**	23.00
MAIN ANT	CA_38C	Reduced Power Level D2	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	22.36	24.50
MAIN ANT	CA_38C	Reduced Power Level D2	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	22.60	24.50
MAIN ANT	CA_38C	Reduced Power Level D4	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	19.06	21.00
MAIN ANT	CA_38C	Reduced Power Level D4	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	19.09	21.00
MAIN ANT	CA_38C	Reduced Power Level D5	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	20.57	22.50
MAIN ANT	CA_38C	Reduced Power Level D5	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	20.76	22.50
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	22.59	24.20
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	22.63	24.20
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	22.78	24.20
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	22.65	24.20
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	22.62	24.20
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	**22.93**	24.20
SEC ANT	UL CA_41C With DL CA_41D	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	22.81	24.20
SEC ANT	UL CA_41C With DL CA_26A-41C	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	22.68	24.20
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	14.78	16.20
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	**14.92**	16.20
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	14.70	16.20
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	14.65	16.20
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	14.62	16.20
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	14.73	16.20
SEC ANT	UL CA_41C With DL CA_41D	Reduced Power Level D1	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	14.65	16.20
SEC ANT	UL CA_41C With DL CA_26A-41C	Reduced Power Level D1	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	14.80	16.20
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	13.09	14.70
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	13.09	14.70
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	13.12	14.70
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	13.13	14.70
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	13.11	14.70
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	13.34	14.70
SEC ANT	UL CA_41C With DL CA_41D	Reduced Power Level D3	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	13.18	14.70
SEC ANT	UL CA_41C With DL CA_26A-41C	Reduced Power Level D3	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	13.10	14.70
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	21.13	22.70
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	21.31	22.70
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	21.26	22.70
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	21.27	22.70
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	21.28	22.70
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	**21.36**	22.70
SEC ANT	UL CA_41C With DL CA_41D	Reduced Power Level D2	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	21.20	22.70
SEC ANT	UL CA_41C With DL CA_26A-41C	Reduced Power Level D2	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	21.21	22.70

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MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	23.68	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	**23.91**	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	23.69	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	23.78	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	23.87	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	23.88	25.20
MAIN ANT	UL CA_41C With DL CA_41D	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	23.79	25.20
MAIN ANT	UL CA_41C With DL CA_26A-41C	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	23.83	25.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	21.92	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	21.93	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	21.90	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	21.95	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	**22.09**	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	22.06	23.20
MAIN ANT	UL CA_41C With DL CA_41D	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	21.93	23.20
MAIN ANT	UL CA_41C With DL CA_26A-41C	Full Power	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	21.96	23.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	19.69	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	20.01	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	20.01	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	19.85	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	19.92	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	19.89	21.20
MAIN ANT	UL CA_41C With DL CA_41D	Reduced Power Level D4	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	19.81	21.20
MAIN ANT	UL CA_41C With DL CA_26A-41C	Reduced Power Level D4	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	19.79	21.20

Table 115: Additional Conducted Power test results of UL inter-band CA

Note: For uplink CA, additional SAR test is only required on the uplink CA configurations with 2 component carriers downlink. Additional SAR test is not required for uplink CA configurations with 3~4 component carriers downlink because the highest UL CA output power configuration with 3~4 component carriers downlink is < ¼ dB higher than the same UL CA output power configuration with 2 component carriers downlink.

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7.1.33 Conducted power measurements of WiFi 2.4G

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11b	Ant5(core0)	1	2412	1M	10.50	**8.87**
		6	2437		10.50	**9.32**
		11	2462		10.50	**9.61**
	Ant6(core1)	1	2412		10.50	**9.20**
		6	2437		10.50	**9.87**
		11	2462		10.50	**9.34**
802.11g SISO	Ant5(core0)	1	2412	6M	10.50	8.93
		6	2437		10.50	8.93
		11	2462		10.50	8.76
	Ant6(core1)	1	2412		10.50	9.26
		6	2437		10.50	8.63
		11	2462		10.50	9.41
802.11n SISO 20M	Ant5(core0)	1	2412	MCS0	10.50	8.75
		6	2437		10.50	8.79
		11	2462		10.50	8.65
	Ant6(core1)	1	2412		10.50	9.10
		6	2437		10.50	8.51
		11	2462		10.50	9.30
802.11n SISO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.31
		4	2427		10.50	**9.89**
		5	2432		10.50	**9.92**
		6	2437		10.50	**9.69**
		7	2442		8.00	6.50
		8	2447		8.00	6.62
		9	2452		8.00	6.47
	Ant6(core1)	3	2422	MCS0	9.00	7.74
		4	2427		10.50	**8.96**
		5	2432		10.50	**9.68**
		6	2437		10.50	**9.19**
		7	2442		8.00	6.53
		8	2447		8.00	6.49
		9	2452		8.00	6.20

Table 116: Conducted power measurement results of WiFi 2.4G SISO(MCC of FCC countries,Receiver ON).

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Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11g CDD	Ant5(core0)	1	2412	6M	10.50	8.93
		6	2437		10.50	8.93
		11	2462		10.50	8.76
	Ant6(core1)	1	2412		10.50	9.26
		6	2437		10.50	8.63
		11	2462		10.50	9.41
	Sum	1	2412	6M	13.50	12.11
		6	2437		13.50	11.79
		11	2462		13.50	12.11
802.11n MIMO 20M	Ant5(core0)	1	2412	MCS0	10.50	8.75
		6	2437		10.50	8.79
		11	2462		10.50	8.65
	Ant6(core1)	1	2412		10.50	9.10
		6	2437		10.50	8.51
		11	2462		10.50	9.30
	Sum	1	2412	MCS0	13.50	11.94
		6	2437		13.50	11.66
		11	2462		13.50	12.00
802.11n MIMO 40M	Ant5(core0)	3	2422	MCS8	9.00	7.31
		4	2427		10.50	9.89
		5	2432		10.50	9.92
		6	2437		10.50	9.69
		7	2442		8.00	6.50
		8	2447		8.00	6.62
		9	2452		8.00	6.47
	Ant6(core1)	3	2422		9.00	7.74
		4	2427		10.50	8.96
		5	2432		10.50	9.68
		6	2437		10.50	9.19
		7	2442		8.00	6.53
		8	2447		8.00	6.49
		9	2452		8.00	6.20
	Sum	3	2422	MCS8	12.00	10.54
		4	2427		13.50	12.46
		5	2432		13.50	12.81
		6	2437		13.50	12.46
		7	2442		11.00	9.53
		8	2447		11.00	9.57
		9	2452		11.00	9.35

Table 117: Conducted power measurement results of WiFi 2.4G CDD/MIMO(MCC of FCC countries,Receiver ON).

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Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11b	Ant5(core0)	1	2412	1M	19.00	**17.69**
		6	2437		19.00	**17.82**
		11	2462		19.00	**18.00**
	Ant6(core1)	1	2412		18.50	**17.52**
		6	2437		18.50	**17.07**
		11	2462		18.50	**17.81**
802.11g SISO	Ant5(core0)	1	2412	6M	11.50	9.43
		2	2417		18.00	**16.03**
		6	2437		18.00	**16.37**
		10	2457		18.00	**16.22**
		11	2462		11.50	9.67
	Ant6(core1)	1	2412		11.50	9.10
		2	2417		17.50	**15.69**
		6	2437		17.50	**15.58**
		10	2457		17.50	**15.84**
		11	2462		11.50	10.20
802.11n SISO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.44
		2	2417		17.00	14.67
		6	2437		17.00	14.99
		10	2457		17.00	14.85
		11	2462		11.50	9.55
	Ant6(core1)	1	2412		11.50	9.05
		2	2417		16.50	14.59
		6	2437		16.50	14.56
		10	2457		16.50	14.80
		11	2462		11.50	10.03
802.11n SISO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.92
		4	2427		17.00	15.02
		5	2432		17.00	15.36
		6	2437		17.00	15.13
		7	2442		8.00	6.39
		8	2447		8.00	6.53
		9	2452		8.00	7.01
	Ant6(core1)	3	2422	MCS0	9.00	8.08
		4	2427		16.50	15.16
		5	2432		16.50	15.20
		6	2437		16.50	15.37
		7	2442		8.00	6.53
		8	2447		8.00	6.70
		9	2452		8.00	7.02

Table 118: Conducted power measurement results of WiFi 2.4G SISO(Full Power).

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Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11g CDD	Ant5(core0)	1	2412	6M	11.50	9.42
		2	2417		18.00	15.91
		6	2437		18.00	16.20
		10	2457		18.00	16.10
		11	2462		11.50	9.70
	Ant6(core1)	1	2412		11.50	9.10
		2	2417		17.50	15.84
		6	2437		17.50	15.51
		10	2457		17.50	15.63
		11	2462		11.50	9.30
	Sum	1	2412		14.50	12.27
		2	2417		20.80	18.89
		6	2437		20.80	18.88
		10	2457		20.80	18.88
		11	2462		14.50	12.51
802.11n MIMO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.02
		2	2417		17.00	14.52
		6	2437		17.00	14.87
		10	2457		17.00	14.79
		11	2462		11.50	9.29
	Ant6(core1)	1	2412		11.50	8.53
		2	2417		16.50	14.83
		6	2437		16.50	14.49
		10	2457		16.50	14.45
		11	2462		11.50	8.61
	Sum	1	2412		14.50	11.79
		2	2417		19.80	17.69
		6	2437		19.80	17.69
		10	2457		19.80	17.63
		11	2462		14.50	11.97
802.11n MIMO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.67
		4	2427		17.00	15.00
		5	2432		17.00	15.09
		6	2437		17.00	15.03
		7	2442		8.00	6.63
		8	2447		8.00	6.71
		9	2452		8.00	6.91
	Ant6(core1)	3	2422		9.00	7.66
		4	2427		16.50	15.25
		5	2432		16.50	15.30
		6	2437		16.50	15.39
		7	2442		8.00	6.80
		8	2447		8.00	6.29
		9	2452		8.00	6.32
	Sum	3	2422		12.00	10.68

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		4	2427		19.80	18.14
		5	2432		19.80	18.21
		6	2437		19.80	18.22
		7	2442		11.00	9.73
		8	2447		11.00	9.52
		9	2452		11.00	9.64

Table 119: Conducted power measurement results of WiFi 2.4G CDD/MIMO(Full Power).

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Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11b	Ant5(core0)	1	2412	1M	12.00	10.40
		7	2442		12.00	10.44
		13	2472		12.00	10.51
	Ant6(core1)	1	2412		12.00	11.04
		7	2442		12.00	10.92
		13	2472		12.00	10.71
802.11g SISO	Ant5(core0)	1	2412	6M	11.50	9.51
		2	2417		12.00	10.40
		7	2442		12.00	10.16
		10	2457		12.00	9.78
		11	2462		11.50	9.50
		12	2467		12.00	10.26
		13	2472		12.00	10.26
	Ant6(core1)	1	2412		11.50	9.65
		2	2417		12.00	10.67
		7	2442		12.00	10.13
		10	2457		12.00	10.32
		11	2462		11.50	10.05
		12	2467		12.00	10.39
		13	2472		12.00	10.13
802.11n SISO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.36
		2	2417		12.00	10.23
		7	2442		12.00	9.60
		10	2457		12.00	9.62
		11	2462		11.50	9.34
		12	2467		12.00	9.95
		13	2472		12.00	10.02
	Ant6(core1)	1	2412		11.50	9.42
		2	2417		12.00	10.46
		7	2442		12.00	9.95
		10	2457		12.00	10.18
		11	2462		11.50	10.16
		12	2467		12.00	9.90
		13	2472		12.00	9.91
802.11n SISO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.81
		4	2427		12.00	10.36
		7	2442		8.00	10.32
		8	2447		8.00	10.70
		9	2452		8.00	6.89
		10	2457		8.00	7.01
		11	2462		8.00	6.83
	Ant6(core1)	3	2422		9.00	8.38
		4	2427		12.00	11.45
		7	2442		8.00	10.88
		8	2447		8.00	10.89
		9	2452		8.00	6.96
		10	2457		8.00	6.87
		11	2462		8.00	6.91

Table 120: Conducted power measurement results of WiFi 2.4G SISO(MCC of CE countries,Receiver ON).

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Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11g CDD	Ant5(core0)	1	2412	6M	11.50	9.51
		2	2417		12.00	10.40
		7	2442		12.00	9.86
		10	2457		12.00	9.78
		11	2462		11.50	9.50
		12	2467		12.00	10.26
		13	2472		12.00	10.26
	Ant6(core1)	1	2412		11.50	9.65
		2	2417		12.00	10.67
		7	2442		12.00	10.13
		10	2457		12.00	10.32
		11	2462		11.50	10.05
		12	2467		12.00	10.39
		13	2472		12.00	10.13
	Sum	1	2412	6M	14.50	12.59
		2	2417		15.00	13.28
		7	2442		15.00	13.11
		10	2457		15.00	12.93
		11	2462		14.50	12.98
		12	2467		15.00	13.21
		13	2472		15.00	14.59
802.11n MIMO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.36
		2	2417		12.00	10.23
		7	2442		12.00	9.60
		10	2457		12.00	9.62
		11	2462		11.50	9.34
		12	2467		12.00	9.95
		13	2472		12.00	10.02
	Ant6(core1)	1	2412		11.50	9.42
		2	2417		12.00	10.46
		7	2442		12.00	9.95
		10	2457		12.00	10.18
		11	2462		11.50	10.16
		12	2467		12.00	9.90
		13	2472		12.00	9.91
	Sum	1	2412	MCS8	14.50	12.40
		2	2417		15.00	13.36
		7	2442		15.00	12.79
		10	2457		15.00	12.92
		11	2462		14.50	12.78
		12	2467		15.00	12.94
		13	2472		15.00	12.98
802.11n MIMO 40M	Ant5(core0)	3	2422	MCS8	9.00	7.81
		4	2427		12.00	10.36
		7	2442		12.00	10.32

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		8	2447		12.00	10.70
		9	2452		8.00	6.89
		10	2457		8.00	7.01
		11	2462		8.00	6.83
	Ant6(core1)	3	2422		9.00	8.38
		4	2427		12.00	11.45
		7	2442		12.00	10.88
		8	2547		12.00	10.89
		9	2452		8.00	6.96
		10	2457		8.00	6.87
		11	2462		8.00	6.91
	Sum	3	2422	MCS8	12.00	11.11
		4	2427		15.00	13.95
		7	2442		15.00	13.62
		8	2447		15.00	13.81
		9	2452		11.00	9.94
		10	2457		11.00	9.95
		11	2462		11.00	9.88

Table 121: Conducted power measurement results of WiFi 2.4G CDD/MIMO(MCC of CE countries,Receiver ON).

Note:

1) The Average conducted power of WiFi is measured with RMS detector.

2) 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.

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7.1.34 Conducted power measurements of WiFi 5G

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a SISO	Ant5(core0)	CH 36	5180	6M	8.50	7.17
		CH 40	5200		8.50	7.27
		CH 44	5220		8.50	7.43
		CH 48	5240		8.50	7.26
		CH 52	5260		8.50	6.32
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.04
		CH 64	5320		8.50	5.94
		CH 100	5500		8.50	7.59
		CH 104	5520		8.50	7.52
		CH 108	5540		8.50	7.47
		CH 112	5560		8.50	7.45
		CH 116	5580		8.50	6.89
		CH 120	5600		8.50	6.97
		CH 124	5620		8.50	7.19
		CH 128	5640		8.50	7.33
		CH 132	5660		8.50	7.68
		CH 136	5680		8.50	7.78
		CH 140	5700		8.50	7.69
		CH 149	5745		8.50	7.85
		CH 153	5765		8.50	7.78
		CH 157	5785		8.50	7.70
		CH 161	5805		8.50	7.73
		CH 165	5825		8.50	7.84
	Ant6(core1)	CH 36	5180	6M	8.50	6.95
		CH 40	5200		8.50	7.00
		CH 44	5220		8.50	6.78
		CH 48	5240		8.50	6.81
		CH 52	5260		8.50	6.48
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.49
		CH 64	5320		8.50	6.45
		CH 100	5500		8.50	6.12
		CH 104	5520		8.50	6.25
		CH 108	5540		8.50	6.38
		CH 112	5560		8.50	6.76
		CH 116	5580		8.50	6.67
		CH 120	5600		8.50	6.58
		CH 124	5620		8.50	6.71
		CH 128	5640		8.50	6.79
		CH 132	5660		8.50	7.04
		CH 136	5680		8.50	6.96
		CH 140	5700		8.50	6.98
		CH 149	5745		8.50	6.04
		CH 153	5765		8.50	5.89

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		CH 157	5785		8.50	6.41
		CH 161	5805		8.50	6.61
		CH 165	5825		8.50	6.54
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 20M	Ant5(core0)	CH 36	5180	MCS0	8.50	7.34
		CH 40	5200		8.50	7.34
		CH 44	5220		8.50	7.04
		CH 48	5240		8.50	6.90
		CH 52	5260		8.50	6.10
		CH 56	5280		8.50	5.96
		CH 60	5300		8.50	5.99
		CH 64	5320		8.50	5.85
		CH 100	5500		8.50	7.50
		CH 104	5520		8.50	7.41
		CH 108	5540		8.50	7.31
		CH 112	5560		8.50	7.31
		CH 116	5580		8.50	6.90
		CH 120	5600		8.50	6.99
		CH 124	5620		8.50	6.93
		CH 128	5640		8.50	7.06
		CH 132	5660		8.50	7.56
		CH 136	5680		8.50	7.63
		CH 140	5700		8.50	7.54
		CH 149	5745		8.50	7.85
		CH 153	5765		8.50	7.76
		CH 157	5785		8.50	7.65
		CH 161	5805		8.50	7.73
		CH 165	5825		8.50	7.80
	Ant6(core1)	CH 36	5180	MCS0	8.50	6.91
		CH 40	5200		8.50	6.68
		CH 44	5220		8.50	6.65
		CH 48	5240		8.50	6.52
		CH 52	5260		8.50	6.45
		CH 56	5280		8.50	6.21
		CH 60	5300		8.50	6.32
		CH 64	5320		8.50	6.44
		CH 100	5500		8.50	6.14
		CH 104	5520		8.50	6.07
		CH 108	5540		8.50	6.25
		CH 112	5560		8.50	6.44
		CH 116	5580		8.50	6.57
		CH 120	5600		8.50	6.66
		CH 124	5620		8.50	6.52
		CH 128	5640		8.50	6.59
		CH 132	5660		8.50	6.87

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		CH 136	5680		8.50	6.89
		CH 140	5700		8.50	6.83
		CH 149	5745		8.50	5.87
		CH 153	5765		8.50	6.03
		CH 157	5785		8.50	5.91
		CH 161	5805		8.50	6.82
		CH 165	5825		8.50	6.60
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.70
		CH 46	5230		8.50	7.38
		CH 54	5270		8.50	6.50
		CH 62	5310		8.50	6.17
		CH 102	5510		8.50	7.68
		CH 110	5550		8.50	7.64
		CH 118	5590		8.50	7.18
		CH 126	5630		8.50	7.35
		CH 134	5670		8.50	8.03
		CH 151	5755		8.50	8.11
		CH 159	5795		8.50	8.13
	Ant6(core1)	CH 38	5190	MCS0	8.50	7.30
		CH 46	5230		8.50	7.20
		CH 54	5270		8.50	7.12
		CH 62	5310		8.50	7.00
		CH 102	5510		8.50	6.11
		CH 110	5550		8.50	6.48
		CH 118	5590		8.50	6.83
		CH 126	5630		8.50	6.78
		CH 134	5670		8.50	7.14
		CH 151	5755		8.50	6.21
		CH 159	5795		8.50	6.59
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 20M	Ant5(core0)	CH 36	5180	MCS0	8.50	7.18
		CH 40	5200		8.50	7.17
		CH 44	5220		8.50	7.01
		CH 48	5240		8.50	7.01
		CH 52	5260		8.50	6.50
		CH 56	5280		8.50	6.40
		CH 60	5300		8.50	6.17
		CH 64	5320		8.50	6.11
		CH 100	5500		8.50	7.45
		CH 104	5520		8.50	7.37
		CH 108	5540		8.50	7.27
		CH 112	5560		8.50	7.25
		CH 116	5580		8.50	6.70

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		CH 120	5600		8.50	6.79
		CH 124	5620		8.50	6.83
		CH 128	5640		8.50	6.92
		CH 132	5660		8.50	7.32
		CH 136	5680		8.50	7.32
		CH 140	5700		8.50	7.38
		CH 149	5745		8.50	7.56
		CH 153	5765		8.50	7.50
		CH 157	5785		8.50	7.59
		CH 161	5805		8.50	7.69
		CH 165	5825		8.50	7.85
	Ant6(core1)	CH 36	5180	MCS0	8.50	6.93
		CH 40	5200		8.50	6.78
		CH 44	5220		8.50	6.73
		CH 48	5240		8.50	6.56
		CH 52	5260		8.50	6.26
		CH 56	5280		8.50	6.14
		CH 60	5300		8.50	6.22
		CH 64	5320		8.50	6.33
		CH 100	5500		8.50	6.51
		CH 104	5520		8.50	6.55
		CH 108	5540		8.50	6.58
		CH 112	5560		8.50	6.68
		CH 116	5580		8.50	6.74
		CH 120	5600		8.50	6.73
		CH 124	5620		8.50	6.99
		CH 128	5640		8.50	7.06
		CH 132	5660		8.50	7.29
		CH 136	5680		8.50	7.33
		CH 140	5700		8.50	7.17
		CH 149	5745		8.50	5.80
		CH 153	5765		8.50	5.86
		CH 157	5785		8.50	5.88
		CH 161	5805		8.50	6.20
		CH 165	5825		8.50	6.49
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.41
		CH 46	5230		8.50	7.23
		CH 54	5270		8.50	6.18
		CH 62	5310		8.50	6.31
		CH 102	5510		8.50	7.28
		CH 110	5550		8.50	7.12
		CH 118	5590		8.50	6.72
		CH 126	5630		8.50	6.97
		CH 134	5670		8.50	7.73

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		CH 151	5755		8.50	7.69
		CH 159	5795		8.50	7.78
	Ant6(core1)	CH 38	5190	MCS0	8.50	7.46
		CH 46	5230		8.50	7.21
		CH 54	5270		8.50	7.00
		CH 62	5310		8.50	6.93
		CH 102	5510		8.50	6.77
		CH 110	5550		8.50	7.01
		CH 118	5590		8.50	7.10
		CH 126	5630		8.50	7.20
		CH 134	5670		8.50	7.49
		CH 151	5755		8.50	6.16
		CH 159	5795		8.50	6.41
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 80M	Ant5(core0)	CH 42	5210	MCS0	8.50	7.14
		CH 58	5290		8.50	**6.57**
		CH 106	5530		8.50	7.32
		CH 122	5610		8.50	7.01
		CH 155	5775		8.50	**7.57**
	Ant6(core1)	CH 42	5210	MCS0	8.50	7.30
		CH 58	5290		8.50	**7.08**
		CH 106	5530		8.50	7.05
		CH 122	5610		8.50	7.37
		CH 155	5775		8.50	**6.56**
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 160M	Ant5(core0)	CH 50	5250	MCS0	8.50	7.76
		CH 114	5570		8.50	**7.82**
	Ant6(core1)	CH 50	5250	MCS0	8.50	7.25
		CH 114	5570		8.50	**7.16**

Table 122: Conducted power measurement results of WiFi 5G SISO(MCC of FCC countries,Receiver ON)

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Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a CDD	Ant5(core0)	CH 36	5180	6M	8.50	7.17
		CH 40	5200		8.50	7.27
		CH 44	5220		8.50	7.43
		CH 48	5240		8.50	7.26
		CH 52	5260		8.50	6.32
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.04
		CH 64	5320		8.50	5.94
		CH 100	5500		8.50	7.59
		CH 104	5520		8.50	7.52
		CH 108	5540		8.50	7.47
		CH 112	5560		8.50	7.45
		CH 116	5580		8.50	6.89
		CH 120	5600		8.50	6.97
		CH 124	5620		8.50	7.19
		CH 128	5640		8.50	7.33
		CH 132	5660		8.50	7.68
		CH 136	5680		8.50	7.78
		CH 140	5700		8.50	7.69
		CH 149	5745		8.50	7.85
		CH 153	5765		8.50	7.78
		CH 157	5785		8.50	7.70
		CH 161	5805		8.50	7.73
		CH 165	5825		8.50	7.84
	Ant6(core1)	CH 36	5180		8.50	6.95
		CH 40	5200		8.50	7.00
		CH 44	5220		8.50	6.78
		CH 48	5240		8.50	6.81
		CH 52	5260		8.50	6.48
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.49
		CH 64	5320		8.50	6.45
		CH 100	5500		8.50	6.12
		CH 104	5520		8.50	6.25
		CH 108	5540		8.50	6.38
		CH 112	5560		8.50	6.76
		CH 116	5580		8.50	6.67
		CH 120	5600		8.50	6.58
		CH 124	5620		8.50	6.71
		CH 128	5640		8.50	6.79
		CH 132	5660		8.50	7.04
		CH 136	5680		8.50	6.96
		CH 140	5700		8.50	6.98

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		CH 149	5745		8.50	6.04
		CH 153	5765		8.50	5.89
		CH 157	5785		8.50	6.41
		CH 161	5805		8.50	6.61
		CH 165	5825		8.50	6.54
	Sum	CH 36	5180	6M	11.50	10.07
		CH 40	5200		11.50	10.15
		CH 44	5220		11.50	10.13
		CH 48	5240		11.50	10.05
		CH 52	5260		11.50	9.41
		CH 56	5280		11.50	9.39
		CH 60	5300		11.50	9.28
		CH 64	5320		11.50	9.21
		CH 100	5500		11.50	9.93
		CH 104	5520		11.50	9.94
		CH 108	5540		11.50	9.97
		CH 112	5560		11.50	10.13
		CH 116	5580		11.50	9.79
		CH 120	5600		11.50	9.79
		CH 124	5620		11.50	9.97
		CH 128	5640		11.50	10.08
		CH 132	5660		11.50	10.38
		CH 136	5680		11.50	10.40
		CH 140	5700		11.50	10.36
		CH 149	5745		11.50	10.05
		CH 153	5765		11.50	9.95
		CH 157	5785		11.50	10.11
		CH 161	5805		11.50	10.22
		CH 165	5825		11.50	10.25
802.11n MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	8.50	7.34
		CH 40	5200		8.50	7.34
		CH 44	5220		8.50	7.04
		CH 48	5240		8.50	6.90
		CH 52	5260		8.50	6.10
		CH 56	5280		8.50	5.96
		CH 60	5300		8.50	5.99
		CH 64	5320		8.50	5.85
		CH 100	5500		8.50	7.50
		CH 104	5520		8.50	7.41
		CH 108	5540		8.50	7.31
		CH 112	5560		8.50	7.31
		CH 116	5580		8.50	6.90
		CH 120	5600		8.50	6.99
		CH 124	5620		8.50	6.93
		CH 128	5640		8.50	7.06
		CH 132	5660		8.50	7.56

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		CH 136	5680		8.50	7.63
		CH 140	5700		8.50	7.54
		CH 149	5745		8.50	7.85
		CH 153	5765		8.50	7.76
		CH 157	5785		8.50	7.65
		CH 161	5805		8.50	7.73
		CH 165	5825		8.50	7.80
	Ant6(core1)	CH 36	5180		8.50	6.91
		CH 40	5200		8.50	6.68
		CH 44	5220		8.50	6.65
		CH 48	5240		8.50	6.52
		CH 52	5260		8.50	6.45
		CH 56	5280		8.50	6.21
		CH 60	5300		8.50	6.32
		CH 64	5320		8.50	6.44
		CH 100	5500		8.50	6.14
		CH 104	5520		8.50	6.07
		CH 108	5540		8.50	6.25
		CH 112	5560		8.50	6.44
		CH 116	5580		8.50	6.57
		CH 120	5600		8.50	6.66
		CH 124	5620		8.50	6.52
		CH 128	5640		8.50	6.59
		CH 132	5660		8.50	6.87
		CH 136	5680		8.50	6.89
		CH 140	5700		8.50	6.83
		CH 149	5745		8.50	5.87
		CH 153	5765		8.50	6.03
		CH 157	5785		8.50	5.91
		CH 161	5805		8.50	6.82
		CH 165	5825		8.50	6.60
	Sum	CH 36	5180	MCS0	11.50	10.14
		CH 40	5200		11.50	10.03
		CH 44	5220		11.50	9.86
		CH 48	5240		11.50	9.72
		CH 52	5260		11.50	9.29
		CH 56	5280		11.50	9.10
		CH 60	5300		11.50	9.17
		CH 64	5320		11.50	9.17
		CH 100	5500		11.50	9.88
		CH 104	5520		11.50	9.80
		CH 108	5540		11.50	9.82
		CH 112	5560		11.50	9.91
		CH 116	5580		11.50	9.75
		CH 120	5600		11.50	9.84
		CH 124	5620		11.50	9.74

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		CH 128	5640		11.50	9.84
		CH 132	5660		11.50	10.24
		CH 136	5680		11.50	10.29
		CH 140	5700		11.50	10.21
		CH 149	5745		11.50	9.98
		CH 153	5765		11.50	9.99
		CH 157	5785		11.50	9.88
		CH 161	5805		11.50	10.31
		CH 165	5825		11.50	10.25
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.70
		CH 46	5230		8.50	7.38
		CH 54	5270		8.50	6.50
		CH 62	5310		8.50	6.17
		CH 102	5510		8.50	7.68
		CH 110	5550		8.50	7.64
		CH 118	5590		8.50	7.18
		CH 126	5630		8.50	7.35
		CH 134	5670		8.50	8.03
		CH 151	5755		8.50	8.11
		CH 159	5795		8.50	8.13
	Ant6(core1)	CH 38	5190		8.50	7.30
		CH 46	5230		8.50	7.20
		CH 54	5270		8.50	7.12
		CH 62	5310		8.50	7.00
		CH 102	5510		8.50	6.11
		CH 110	5550		8.50	6.48
		CH 118	5590		8.50	6.83
		CH 126	5630		8.50	6.78
		CH 134	5670		8.50	7.14
		CH 151	5755		8.50	6.21
		CH 159	5795		8.50	6.59
	Sum	CH 38	5190	MCS0	11.50	10.51
		CH 46	5230		11.50	10.30
		CH 54	5270		11.50	9.83
		CH 62	5310		11.50	9.62
		CH 102	5510		11.50	9.98
		CH 110	5550		11.50	10.11
		CH 118	5590		11.50	10.02
		CH 126	5630		11.50	10.08
		CH 134	5670		11.50	10.62
		CH 151	5755		11.50	10.27
		CH 159	5795		11.50	10.44

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Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	8.50	7.18
		CH 40	5200		8.50	7.17
		CH 44	5220		8.50	7.01
		CH 48	5240		8.50	7.01
		CH 52	5260		8.50	6.50
		CH 56	5280		8.50	6.40
		CH 60	5300		8.50	6.17
		CH 64	5320		8.50	6.11
		CH 100	5500		8.50	7.45
		CH 104	5520		8.50	7.37
		CH 108	5540		8.50	7.27
		CH 112	5560		8.50	7.25
		CH 116	5580		8.50	6.70
		CH 120	5600		8.50	6.79
		CH 124	5620		8.50	6.83
		CH 128	5640		8.50	6.92
		CH 132	5660		8.50	7.32
		CH 136	5680		8.50	7.32
		CH 140	5700		8.50	7.38
		CH 149	5745		8.50	7.56
		CH 153	5765		8.50	7.50
		CH 157	5785		8.50	7.59
		CH 161	5805		8.50	7.69
		CH 165	5825		8.50	7.85
	Ant6(core1)	CH 36	5180		8.50	6.93
		CH 40	5200		8.50	6.78
		CH 44	5220		8.50	6.73
		CH 48	5240		8.50	6.56
		CH 52	5260		8.50	6.26
		CH 56	5280		8.50	6.14
		CH 60	5300		8.50	6.22
		CH 64	5320		8.50	6.33
		CH 100	5500		8.50	6.51
		CH 104	5520		8.50	6.55
		CH 108	5540		8.50	6.58
		CH 112	5560		8.50	6.68
		CH 116	5580		8.50	6.74
		CH 120	5600		8.50	6.73
		CH 124	5620		8.50	6.99
		CH 128	5640		8.50	7.06
		CH 132	5660		8.50	7.29
		CH 136	5680		8.50	7.33
		CH 140	5700		8.50	7.17
		CH 149	5745		8.50	5.80
		CH 153	5765		8.50	5.86
		CH 157	5785		8.50	5.88

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		CH 161	5805		8.50	6.20
		CH 165	5825		8.50	6.49
	Sum	CH 36	5180	MCS0	11.50	10.07
		CH 40	5200		11.50	9.99
		CH 44	5220		11.50	9.88
		CH 48	5240		11.50	9.80
		CH 52	5260		11.50	9.39
		CH 56	5280		11.50	9.28
		CH 60	5300		11.50	9.21
		CH 64	5320		11.50	9.23
		CH 100	5500		11.50	10.02
		CH 104	5520		11.50	9.99
		CH 108	5540		11.50	9.95
		CH 112	5560		11.50	9.98
		CH 116	5580		11.50	9.73
		CH 120	5600		11.50	9.77
		CH 124	5620		11.50	9.92
		CH 128	5640		11.50	10.00
		CH 132	5660		11.50	10.32
		CH 136	5680		11.50	10.34
		CH 140	5700		11.50	10.29
		CH 149	5745		11.50	9.78
		CH 153	5765		11.50	9.77
		CH 157	5785		11.50	9.83
		CH 161	5805		11.50	10.02
		CH 165	5825		11.50	10.23

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.41
		CH 46	5230		8.50	7.23
		CH 54	5270		8.50	6.18
		CH 62	5310		8.50	6.31
		CH 102	5510		8.50	7.28
		CH 110	5550		8.50	7.12
		CH 118	5590		8.50	6.72
		CH 126	5630		8.50	6.97
		CH 134	5670		8.50	7.73
		CH 151	5755		8.50	7.69
		CH 159	5795		8.50	7.78
	Ant6(core1)	CH 38	5190		8.50	7.46
		CH 46	5230		8.50	7.21
		CH 54	5270		8.50	7.00
		CH 62	5310		8.50	6.93
		CH 102	5510		8.50	6.77
		CH 110	5550		8.50	7.01
		CH 118	5590		8.50	7.10
		CH 126	5630		8.50	7.20

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		CH 134	5670		8.50	7.49
		CH 151	5755		8.50	6.16
		CH 159	5795		8.50	6.41
	Sum	CH 38	5190	MCS0	11.50	10.45
		CH 46	5230		11.50	10.23
		CH 54	5270		11.50	9.62
		CH 62	5310		11.50	9.64
		CH 102	5510		11.50	10.04
		CH 110	5550		11.50	10.08
		CH 118	5590		11.50	9.92
		CH 126	5630		11.50	10.10
		CH 134	5670		11.50	10.62
		CH 151	5755		11.50	10.00
		CH 159	5795		11.50	10.16
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 80M	Ant5(core0)	CH 42	5210	MCS0	8.50	7.14
		CH 58	5290		8.50	6.57
		CH 106	5530		8.50	7.32
		CH 122	5610		8.50	7.01
		CH 155	5775		8.50	7.57
	Ant6(core1)	CH 42	5210		8.50	7.30
		CH 58	5290		8.50	7.08
		CH 106	5530		8.50	7.05
		CH 122	5610		8.50	7.37
		CH 155	5775		8.50	6.56
	Sum	CH 42	5210	MCS0	11.50	10.23
		CH 58	5290		11.50	9.84
		CH 106	5530		11.50	10.20
		CH 122	5610		11.50	10.20
		CH 155	5775		11.50	10.10
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 160M	Ant5(core0)	CH 50	5250	MCS0	8.50	7.76
		CH 114	5570		8.50	7.82
	Ant6(core1)	CH 50	5250		8.50	7.25
		CH 114	5570		8.50	7.16
	Sum	CH 50	5250	MCS0	11.50	10.52
		CH 114	5570		11.50	10.51

Table 123: Conducted power measurement results of WiFi 5G CDD/MIMO(MCC of FCC countries,Receiver ON)

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Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a SISO	Ant5(core0)	CH 36	5180	6M	11.50	9.81
		CH 40	5200		17.00	**15.96**
		CH 44	5220		17.00	**15.90**
		CH 48	5240		17.00	**15.81**
		CH 52	5260		17.00	**15.53**
		CH 56	5280		17.00	**16.03**
		CH 60	5300		17.00	**15.92**
		CH 64	5320		11.50	8.86
		CH 100	5500		11.50	10.18
		CH 104	5520		17.00	**16.30**
		CH 108	5540		17.00	16.23
		CH 112	5560		17.00	16.22
		CH 116	5580		17.00	**16.14**
		CH 120	5600		17.00	16.17
		CH 124	5620		17.00	16.28
		CH 128	5640		17.00	16.36
		CH 132	5660		17.00	16.37
		CH 136	5680		17.00	**16.40**
		CH 140	5700		10.50	9.10
		CH 149	5745		11.50	**9.39**
		CH 153	5765		11.50	9.33
		CH 157	5785		11.50	9.31
		CH 161	5805		11.50	**9.41**
		CH 165	5825		11.50	**9.40**
	Ant6(core1)	CH 36	5180	6M	11.50	9.46
		CH 40	5200		16.50	**15.57**
		CH 44	5220		16.50	**15.49**
		CH 48	5240		16.50	**15.30**
		CH 52	5260		16.50	**15.28**
		CH 56	5280		16.50	**15.28**
		CH 60	5300		16.50	**15.33**
		CH 64	5320		11.50	8.93
		CH 100	5500		11.50	8.70
		CH 104	5520		16.50	14.86
		CH 108	5540		16.50	15.01
		CH 112	5560		16.50	15.08
		CH 116	5580		16.50	**15.39**
		CH 120	5600		16.50	15.28
		CH 124	5620		16.50	15.33
		CH 128	5640		16.50	15.38
		CH 132	5660		16.50	**15.50**
		CH 136	5680		16.50	**15.52**
		CH 140	5700		10.50	8.52
		CH 149	5745		11.50	8.35
		CH 153	5765		11.50	8.61

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		CH 157	5785		11.50	**8.82**
		CH 161	5805		11.50	**9.09**
		CH 165	5825		11.50	**9.24**
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.08
		CH 40	5200		17.00	15.38
		CH 44	5220		17.00	15.32
		CH 48	5240		17.00	15.21
		CH 52	5260		17.00	15.01
		CH 56	5280		17.00	14.85
		CH 60	5300		17.00	14.72
		CH 64	5320		11.50	9.74
		CH 100	5500		11.50	10.36
		CH 104	5520		17.00	15.76
		CH 108	5540		17.00	15.70
		CH 112	5560		17.00	15.68
		CH 116	5580		17.00	15.57
		CH 120	5600		17.00	15.62
		CH 124	5620		17.00	15.67
		CH 128	5640		17.00	15.80
		CH 132	5660		17.00	15.74
		CH 136	5680		17.00	15.79
		CH 140	5700		10.50	9.50
		CH 149	5745		11.50	9.64
		CH 153	5765		11.50	9.57
		CH 157	5785		11.50	9.48
		CH 161	5805		11.50	9.63
		CH 165	5825		11.50	9.75
	Ant6(core1)	CH 36	5180	MCS0	11.5	9.74
		CH 40	5200		16.5	14.46
		CH 44	5220		16.5	14.32
		CH 48	5240		16.5	14.17
		CH 52	5260		16.5	14.09
		CH 56	5280		16.5	14.15
		CH 60	5300		16.5	14.20
		CH 64	5320		11.5	9.97
		CH 100	5500		11.5	9.30
		CH 104	5520		16.5	14.30
		CH 108	5540		16.5	14.38
		CH 112	5560		16.5	14.53
		CH 116	5580		16.5	14.61
		CH 120	5600		16.5	14.75
		CH 124	5620		16.5	14.74
		CH 128	5640		16.5	14.81
		CH 132	5660		16.5	14.94

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		CH 136	5680		16.5	14.90
		CH 140	5700		10.5	9.04
		CH 149	5745		11.5	9.15
		CH 153	5765		11.5	9.14
		CH 157	5785		11.5	9.29
		CH 161	5805		11.5	9.49
		CH 165	5825		11.5	9.74
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.51
		CH 46	5230		16.50	14.81
		CH 54	5270		16.50	14.37
		CH 62	5310		9.50	7.75
		CH 102	5510		9.50	8.53
		CH 110	5550		16.50	14.84
		CH 118	5590		16.50	14.64
		CH 126	5630		16.50	14.81
		CH 134	5670		9.50	8.54
		CH 151	5755		11.50	9.83
		CH 159	5795		11.50	9.85
	Ant6(core1)	CH 38	5190	MCS0	9.50	8.32
		CH 46	5230		16.00	14.25
		CH 54	5270		16.00	14.04
		CH 62	5310		9.50	8.50
		CH 102	5510		9.50	7.42
		CH 110	5550		16.00	13.80
		CH 118	5590		16.00	14.03
		CH 126	5630		16.00	14.21
		CH 134	5670		9.50	7.63
		CH 151	5755		11.50	9.29
		CH 159	5795		11.50	9.63
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.02
		CH 40	5200		17.00	15.26
		CH 44	5220		17.00	15.25
		CH 48	5240		17.00	15.12
		CH 52	5260		17.00	14.89
		CH 56	5280		17.00	14.74
		CH 60	5300		17.00	14.64
		CH 64	5320		11.50	9.66
		CH 100	5500		11.50	10.32
		CH 104	5520		17.00	15.63
		CH 108	5540		17.00	15.56
		CH 112	5560		17.00	15.52
		CH 116	5580		17.00	15.38

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		CH 120	5600		17.00	15.47
		CH 124	5620		17.00	15.49
		CH 128	5640		17.00	15.53
		CH 132	5660		17.00	15.39
		CH 136	5680		17.00	15.42
		CH 140	5700		10.50	9.26
		CH 149	5745		11.50	9.56
		CH 153	5765		11.50	9.55
		CH 157	5785		11.50	9.58
		CH 161	5805		11.50	9.53
		CH 165	5825		11.50	9.62
	Ant6(core1)	CH 36	5180	MCS0	11.50	9.95
		CH 40	5200		16.50	14.52
		CH 44	5220		16.50	14.37
		CH 48	5240		16.50	14.23
		CH 52	5260		16.50	14.13
		CH 56	5280		16.50	14.10
		CH 60	5300		16.50	14.11
		CH 64	5320		11.50	9.99
		CH 100	5500		11.50	9.76
		CH 104	5520		16.50	14.73
		CH 108	5540		16.50	14.81
		CH 112	5560		16.50	14.91
		CH 116	5580		16.50	15.04
		CH 120	5600		16.50	15.14
		CH 124	5620		16.50	15.19
		CH 128	5640		16.50	15.24
		CH 132	5660		16.50	15.32
		CH 136	5680		16.50	15.28
		CH 140	5700		10.50	9.29
		CH 149	5745		11.50	8.93
		CH 153	5765		11.50	8.99
		CH 157	5785		11.50	9.06
		CH 161	5805		11.50	9.29
		CH 165	5825		11.50	9.52

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.20
		CH 46	5230		16.50	14.56
		CH 54	5270		16.50	14.27
		CH 62	5310		9.50	7.78
		CH 102	5510		9.50	8.21
		CH 110	5550		16.50	14.61
		CH 118	5590		16.50	14.54
		CH 126	5630		16.50	14.65
		CH 134	5670		9.50	8.15

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		CH 151	5755		11.50	9.60
		CH 159	5795		11.50	9.73
	Ant6(core1)	CH 38	5190	MCS0	9.50	8.33
		CH 46	5230		16.00	14.18
		CH 54	5270		16.00	13.90
		CH 62	5310		9.50	8.35
		CH 102	5510		9.50	7.67
		CH 110	5550		16.00	14.08
		CH 118	5590		16.00	14.29
		CH 126	5630		16.00	14.46
		CH 134	5670		9.50	7.93
		CH 151	5755		11.50	9.07
		CH 159	5795		11.50	9.38
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 80M	Ant5(core0)	CH 42	5210	MCS0	9.50	7.99
		CH 58	5290		9.50	7.26
		CH 106	5530		9.50	8.05
		CH 122	5610		9.50	7.93
		CH 155	5775		11.50	9.62
	Ant6(core1)	CH 42	5210	MCS0	9.50	8.12
		CH 58	5290		9.50	7.91
		CH 106	5530		9.50	8.04
		CH 122	5610		9.50	8.49
		CH 155	5775		11.50	9.47
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 160M	Ant5(core0)	CH 50	5250	MCS0	9.00	7.64
		CH 114	5570		9.00	7.68
	Ant6(core1)	CH 50	5250	MCS0	8.50	6.84
		CH 114	5570		8.50	6.95

Table 124: Conducted power measurement results of WiFi 5G SISO(MCC of FCC countries,Full Power)

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Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a CDD	Ant5(core0)	CH 36	5180	6M	11.50	10.12
		CH 40	5200		17.00	15.32
		CH 44	5220		17.00	15.55
		CH 48	5240		17.00	15.47
		CH 52	5260		17.00	15.26
		CH 56	5280		17.00	15.09
		CH 60	5300		17.00	15.05
		CH 64	5320		11.50	9.93
		CH 100	5500		11.50	10.83
		CH 104	5520		17.00	16.02
		CH 108	5540		17.00	15.74
		CH 112	5560		17.00	15.66
		CH 116	5580		17.00	15.78
		CH 120	5600		17.00	16.01
		CH 124	5620		17.00	16.07
		CH 128	5640		17.00	16.03
		CH 132	5660		17.00	15.86
		CH 136	5680		17.00	15.87
		CH 140	5700		10.50	9.71
		CH 149	5745		11.50	9.98
		CH 153	5765		11.50	9.93
		CH 157	5785		11.50	9.82
		CH 161	5805		11.50	9.88
		CH 165	5825		11.50	9.93
	Ant6(core1)	CH 36	5180		11.50	9.42
		CH 40	5200		16.50	14.72
		CH 44	5220		16.50	14.65
		CH 48	5240		16.50	14.50
		CH 52	5260		16.50	14.40
		CH 56	5280		16.50	14.38
		CH 60	5300		16.50	14.40
		CH 64	5320		11.50	9.78
		CH 100	5500		11.50	9.80
		CH 104	5520		16.50	15.34
		CH 108	5540		16.50	15.34
		CH 112	5560		16.50	15.42
		CH 116	5580		16.50	15.36
		CH 120	5600		16.50	15.44
		CH 124	5620		16.50	15.50
		CH 128	5640		16.50	15.57
		CH 132	5660		16.50	15.68
		CH 136	5680		16.50	15.73
		CH 140	5700		10.50	9.47
		CH 149	5745		11.50	9.24

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		CH 153	5765		11.50	9.32
		CH 157	5785		11.50	9.42
		CH 161	5805		11.50	9.48
		CH 165	5825		11.50	9.59
	Sum	CH 36	5180	6M	14.5	12.79
		CH 40	5200		19.8	18.04
		CH 44	5220		19.8	18.13
		CH 48	5240		19.8	18.02
		CH 52	5260		19.8	17.86
		CH 56	5280		19.8	17.76
		CH 60	5300		19.8	17.75
		CH 64	5320		14.5	12.87
		CH 100	5500		14.5	13.36
		CH 104	5520		19.8	18.70
		CH 108	5540		19.8	18.55
		CH 112	5560		19.8	18.55
		CH 116	5580		19.8	18.59
		CH 120	5600		19.8	18.74
		CH 124	5620		19.8	18.80
		CH 128	5640		19.8	18.82
		CH 132	5660		19.8	18.78
		CH 136	5680		19.8	18.81
		CH 140	5700		13.5	12.60
		CH 149	5745		14.5	12.64
		CH 153	5765		14.5	12.65
		CH 157	5785		14.5	12.63
		CH 161	5805		14.5	12.69
		CH 165	5825		14.5	12.77
802.11n MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.27
		CH 40	5200		17.00	15.47
		CH 44	5220		17.00	15.43
		CH 48	5240		17.00	15.37
		CH 52	5260		17.00	15.20
		CH 56	5280		17.00	15.05
		CH 60	5300		17.00	14.96
		CH 64	5320		11.50	9.72
		CH 100	5500		11.50	10.69
		CH 104	5520		17.00	15.89
		CH 108	5540		17.00	15.62
		CH 112	5560		17.00	15.56
		CH 116	5580		17.00	15.68
		CH 120	5600		17.00	15.87
		CH 124	5620		17.00	15.92
		CH 128	5640		17.00	15.92
		CH 132	5660		17.00	15.69
		CH 136	5680		17.00	15.74

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		CH 140	5700		10.50	9.48
		CH 149	5745		11.50	9.76
		CH 153	5765		11.50	9.75
		CH 157	5785		11.50	9.92
		CH 161	5805		11.50	9.98
		CH 165	5825		11.50	9.87
	Ant6(core1)	CH 36	5180		11.5	9.48
		CH 40	5200		16.5	14.72
		CH 44	5220		16.5	14.58
		CH 48	5240		16.5	14.41
		CH 52	5260		16.5	14.37
		CH 56	5280		16.5	14.31
		CH 60	5300		16.5	14.33
		CH 64	5320		11.5	9.63
		CH 100	5500		11.5	9.68
		CH 104	5520		16.5	15.29
		CH 108	5540		16.5	15.29
		CH 112	5560		16.5	15.36
		CH 116	5580		16.5	15.37
		CH 120	5600		16.5	15.34
		CH 124	5620		16.5	15.44
		CH 128	5640		16.5	15.51
		CH 132	5660		16.5	15.65
		CH 136	5680		16.5	15.70
		CH 140	5700		10.5	9.33
		CH 149	5745		11.5	9.15
		CH 153	5765		11.5	9.19
		CH 157	5785		11.5	9.30
		CH 161	5805		11.5	9.43
		CH 165	5825		11.5	9.51
	Sum	CH 36	5180	MCS0	14.5	12.90
		CH 40	5200		19.8	18.12
		CH 44	5220		19.8	18.04
		CH 48	5240		19.8	17.93
		CH 52	5260		19.8	17.82
		CH 56	5280		19.8	17.71
		CH 60	5300		19.8	17.67
		CH 64	5320		14.5	12.69
		CH 100	5500		14.5	13.22
		CH 104	5520		19.8	18.61
		CH 108	5540		19.8	18.47
		CH 112	5560		19.8	18.47
		CH 116	5580		19.8	18.54
		CH 120	5600		19.8	18.62
		CH 124	5620		19.8	18.70
		CH 128	5640		19.8	18.73

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		CH 132	5660		19.8	18.68
		CH 136	5680		19.8	18.73
		CH 140	5700		13.5	12.42
		CH 149	5745		14.5	12.48
		CH 153	5765		14.5	12.49
		CH 157	5785		14.5	12.63
		CH 161	5805		14.5	12.72
		CH 165	5825		14.5	12.70
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.24
		CH 46	5230		16.50	14.84
		CH 54	5270		16.50	14.41
		CH 62	5310		9.50	7.76
		CH 102	5510		9.50	8.72
		CH 110	5550		16.50	14.68
		CH 118	5590		16.50	14.85
		CH 126	5630		16.50	15.02
		CH 134	5670		9.50	8.31
		CH 151	5755		11.50	9.91
		CH 159	5795		11.50	9.81
	Ant6(core1)	CH 38	5190		9.50	7.95
		CH 46	5230		16.00	14.29
		CH 54	5270		16.00	14.04
		CH 62	5310		9.50	7.84
		CH 102	5510		9.50	7.74
		CH 110	5550		16.00	14.51
		CH 118	5590		16.00	14.52
		CH 126	5630		16.00	14.51
		CH 134	5670		9.50	7.95
		CH 151	5755		11.50	9.25
		CH 159	5795		11.50	9.43
	Sum	CH 38	5190	MCS0	12.5	11.11
		CH 46	5230		19.3	17.58
		CH 54	5270		19.3	17.24
		CH 62	5310		12.5	10.81
		CH 102	5510		12.5	11.27
		CH 110	5550		19.3	17.61
		CH 118	5590		19.3	17.70
		CH 126	5630		19.3	17.78
		CH 134	5670		12.5	11.14
		CH 151	5755		14.5	12.60
		CH 159	5795		14.5	12.63
Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
	Ant5(core0)	CH 36	5180		11.50	9.63
		CH 40	5200		17.00	15.52

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802.11ac MIMO 20M	Ant6(core1)	CH 44	5220	MCS0	17.00	15.42
		CH 48	5240		17.00	15.33
		CH 52	5260		17.00	15.08
		CH 56	5280		17.00	15.02
		CH 60	5300		17.00	15.06
		CH 64	5320		11.50	9.65
		CH 100	5500		11.50	10.28
		CH 104	5520		17.00	15.90
		CH 108	5540		17.00	15.65
		CH 112	5560		17.00	15.60
		CH 116	5580		17.00	15.94
		CH 120	5600		17.00	15.89
		CH 124	5620		17.00	15.91
		CH 128	5640		17.00	15.88
		CH 132	5660		17.00	15.73
		CH 136	5680		17.00	15.69
		CH 140	5700		10.50	9.54
		CH 149	5745		11.50	9.74
		CH 153	5765		11.50	9.87
		CH 157	5785		11.50	9.84
		CH 161	5805		11.50	9.47
		CH 165	5825		11.50	9.61
	Ant6(core1)	CH 36	5180		11.50	9.41
		CH 40	5200		16.50	14.60
		CH 44	5220		16.50	14.48
		CH 48	5240		16.50	14.35
		CH 52	5260		16.50	14.27
		CH 56	5280		16.50	14.24
		CH 60	5300		16.50	14.26
		CH 64	5320		11.50	9.56
		CH 100	5500		11.50	9.62
		CH 104	5520		16.50	15.18
		CH 108	5540		16.50	15.23
		CH 112	5560		16.50	15.25
		CH 116	5580		16.50	15.28
		CH 120	5600		16.50	15.33
		CH 124	5620		16.50	15.37
		CH 128	5640		16.50	15.55
		CH 132	5660		16.50	15.58
		CH 136	5680		16.50	15.61
		CH 140	5700		10.50	9.35
		CH 149	5745		11.50	9.07
		CH 153	5765		11.50	9.13
		CH 157	5785		11.50	9.28
		CH 161	5805		11.50	9.38
		CH 165	5825		11.50	9.45

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	Sum	CH 36	5180	MCS0	14.5	12.53
		CH 40	5200		19.8	18.09
		CH 44	5220		19.8	17.99
		CH 48	5240		19.8	17.88
		CH 52	5260		19.8	17.70
		CH 56	5280		19.8	17.66
		CH 60	5300		19.8	17.69
		CH 64	5320		14.5	12.62
		CH 100	5500		14.5	12.97
		CH 104	5520		19.8	18.57
		CH 108	5540		19.8	18.46
		CH 112	5560		19.8	18.44
		CH 116	5580		19.8	18.63
		CH 120	5600		19.8	18.63
		CH 124	5620		19.8	18.66
		CH 128	5640		19.8	18.73
		CH 132	5660		19.8	18.67
		CH 136	5680		19.8	18.66
		CH 140	5700		13.5	12.46
		CH 149	5745		14.5	12.43
		CH 153	5765		14.5	12.53
		CH 157	5785		14.5	12.58
		CH 161	5805		14.5	12.44
		CH 165	5825		14.5	12.54

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.43
		CH 46	5230		16.50	14.78
		CH 54	5270		16.50	14.49
		CH 62	5310		9.50	7.91
		CH 102	5510		9.50	8.56
		CH 110	5550		16.50	14.66
		CH 118	5590		16.50	14.85
		CH 126	5630		16.50	14.97
		CH 134	5670		9.50	8.35
		CH 151	5755		11.50	9.61
		CH 159	5795		11.50	9.63
	Ant6(core1)	CH 38	5190		9.50	8.01
		CH 46	5230		16.00	14.23
		CH 54	5270		16.00	14.05
		CH 62	5310		9.50	7.99
		CH 102	5510		9.50	7.67
		CH 110	5550		16.00	14.45
		CH 118	5590		16.00	14.47
		CH 126	5630		16.00	14.60
		CH 134	5670		9.50	7.89
		CH 151	5755		11.50	9.18

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		CH 159	5795		11.50	9.36
	Sum	CH 38	5190	MCS0	12.5	11.24
		CH 46	5230		19.3	17.52
		CH 54	5270		19.3	17.29
		CH 62	5310		12.5	10.96
		CH 102	5510		12.5	11.15
		CH 110	5550		19.3	17.57
		CH 118	5590		19.3	17.67
		CH 126	5630		19.3	17.80
		CH 134	5670		12.5	11.14
		CH 151	5755		14.5	12.41
		CH 159	5795		14.5	12.51
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 80M	Ant5(core0)	CH 42	5210	MCS0	9.50	7.83
		CH 58	5290		9.50	7.62
		CH 106	5530		9.50	8.16
		CH 122	5610		9.50	8.08
		CH 155	5775		11.50	9.74
	Ant6(core1)	CH 42	5210		9.50	8.10
		CH 58	5290		9.50	7.75
		CH 106	5530		9.50	7.71
		CH 122	5610		9.50	8.26
		CH 155	5775		11.50	8.76
	Sum	CH 42	5210	MCS0	12.5	10.98
		CH 58	5290		12.5	10.70
		CH 106	5530		12.5	10.95
		CH 122	5610		12.5	11.18
		CH 155	5775		14.5	12.29
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 160	Ant5(core0)	CH 50	5250	MCS0	9.00	7.76
		CH 114	5570		9.00	7.99
	Ant6(core1)	CH 50	5250		8.50	7.22
		CH 114	5570		8.50	7.62
	Sum	CH 50	5250	MCS0	11.8	10.51
		CH 114	5570		11.8	10.82

Table 125: Conducted power measurement results of WiFi 5G CDD/MIMO(MCC of FCC countries,Full Power)

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Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a SISO	Ant5(core0)	CH 36	5180	6M	11.50	10.04
		CH 40	5200		13.50	12.03
		CH 52	5260		13.50	11.90
		CH 60	5300		13.50	12.07
		CH 64	5320		11.50	9.72
		CH 100	5500		11.50	10.51
		CH 104	5520		13.50	12.55
		CH 120	5600		13.50	12.42
		CH 136	5680		13.50	13.15
		CH 140	5700		10.50	9.57
		CH 149	5745		11.50	9.68
		CH 157	5785		11.50	9.94
		CH 165	5825		11.50	10.22
	Ant6(core1)	CH 36	5180	6M	11.50	9.77
		CH 40	5200		13.50	11.58
		CH 52	5260		13.50	12.06
		CH 60	5300		13.50	12.21
		CH 64	5320		11.50	9.85
		CH 100	5500		11.50	9.83
		CH 104	5520		13.50	11.64
		CH 120	5600		13.50	11.77
		CH 136	5680		13.50	11.96
		CH 140	5700		10.50	9.22
		CH 149	5745		11.50	9.67
		CH 157	5785		11.50	9.80
		CH 165	5825		11.50	9.86
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.06
		CH 40	5200		13.50	11.42
		CH 52	5260		13.50	10.92
		CH 60	5300		13.50	11.00
		CH 64	5320		11.50	9.44
		CH 100	5500		11.50	10.41
		CH 104	5520		13.50	11.91
		CH 120	5600		13.50	11.95
		CH 136	5680		13.50	12.61
		CH 140	5700		10.50	9.48
		CH 149	5745		11.50	9.63
		CH 157	5785		11.50	9.91
		CH 165	5825		11.50	10.19
	Ant6(core1)	CH 36	5180	MCS0	11.50	9.72
		CH 40	5200		13.50	11.05

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		CH 52	5260		13.50	10.97
		CH 60	5300		13.50	11.10
		CH 64	5320		11.50	9.70
		CH 100	5500		11.50	9.61
		CH 104	5520		13.50	11.05
		CH 120	5600		13.50	11.13
		CH 136	5680		13.50	11.48
		CH 140	5700		10.50	9.20
		CH 149	5745		11.50	9.49
		CH 157	5785		11.50	9.65
		CH 165	5825		11.50	9.73
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.38
		CH 46	5230		13.50	11.44
		CH 54	5270		13.50	11.20
		CH 62	5310		9.50	7.77
		CH 102	5510		9.50	8.51
		CH 110	5550		13.50	11.83
		CH 118	5590		13.50	11.78
		CH 126	5630		13.50	11.75
		CH 134	5670		9.50	8.47
		CH 151	5755		11.50	9.78
		CH 159	5795		11.50	10.08
	Ant6(core1)	CH 38	5190	MCS0	9.50	8.38
		CH 46	5230		13.50	11.53
		CH 54	5270		13.50	11.56
		CH 62	5310		9.50	8.26
		CH 102	5510		9.50	7.43
		CH 110	5550		13.50	11.75
		CH 118	5590		13.50	11.78
		CH 126	5630		13.50	11.83
		CH 134	5670		9.50	7.68
		CH 151	5755		11.50	9.69
		CH 159	5795		11.50	9.86
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	9.97
		CH 40	5200		13.50	11.50
		CH 52	5260		13.50	11.08
		CH 60	5300		13.50	11.11
		CH 64	5320		11.50	9.54
		CH 100	5500		11.50	10.41
		CH 104	5520		13.50	11.87
		CH 120	5600		13.50	11.88

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		CH 136	5680		13.50	12.68
		CH 140	5700		10.50	9.56
		CH 149	5745		11.50	9.73
		CH 157	5785		11.50	9.77
		CH 165	5825		11.50	10.09
	Ant6(core1)	CH 36	5180	MCS0	11.50	9.75
		CH 40	5200		13.50	11.05
		CH 52	5260		13.50	11.06
		CH 60	5300		13.50	11.05
		CH 64	5320		11.50	9.68
		CH 100	5500		11.50	9.74
		CH 104	5520		13.50	11.11
		CH 120	5600		13.50	11.15
		CH 136	5680		13.50	11.50
		CH 140	5700		10.50	9.26
		CH 149	5745		11.50	9.59
		CH 157	5785		11.50	9.70
		CH 165	5825		11.50	9.82
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.24
		CH 46	5230		13.50	11.49
		CH 54	5270		13.50	11.06
		CH 62	5310		9.50	7.45
		CH 102	5510		9.50	8.30
		CH 110	5550		13.50	11.72
		CH 118	5590		13.50	11.73
		CH 126	5630		13.50	11.75
		CH 134	5670		9.50	8.47
		CH 151	5755		11.50	9.87
		CH 159	5795		11.50	10.00
	Ant6(core1)	CH 38	5190	MCS0	9.50	8.22
		CH 46	5230		13.50	11.51
		CH 54	5270		13.50	11.58
		CH 62	5310		9.50	8.24
		CH 102	5510		9.50	7.62
		CH 110	5550		13.50	11.79
		CH 118	5590		13.50	11.77
		CH 126	5630		13.50	11.82
		CH 134	5670		9.50	7.76
		CH 151	5755		11.50	9.73
		CH 159	5795		11.50	9.87
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
	Ant5(core0)	CH 42	5210	MCS0	9.50	8.03

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802.11ac SISO 80M		CH 58	5290		9.50	7.26
		CH 106	5530		9.50	8.45
		CH 122	5610		9.50	8.48
		CH 155	5775		11.50	9.99
	Ant6(core1)	CH 42	5210	MCS0	9.50	8.16
		CH 58	5290		9.50	8.35
		CH 106	5530		9.50	7.80
		CH 122	5610		9.50	7.87
		CH 155	5775		11.50	9.92
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm) For Data Rates
802.11ac SISO 160M	Ant5(core0)	CH 50	5250	MCS0	9.00	7.25
		CH 114	5570		9.00	8.15
	Ant6(core1)	CH 50	5250	MCS0	9.50	6.84
		CH 114	5570		9.50	6.54

Table 126: Conducted power measurement results of WiFi 5G SISO(MCC of CE countries,Receiver ON)

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Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a CDD 20M	Ant5(core0)	CH 36	5180	6M	11.50	10.04
		CH 40	5200		13.50	12.03
		CH 52	5260		13.50	11.90
		CH 60	5300		13.50	12.07
		CH 64	5320		11.50	9.72
		CH 100	5500		11.50	10.51
		CH 104	5520		13.50	12.55
		CH 120	5600		13.50	12.42
		CH 136	5680		13.50	13.15
		CH 140	5700		10.50	9.57
		CH 149	5745		11.50	9.68
		CH 157	5785		11.50	9.94
		CH 165	5825		11.50	10.22
	Ant6(core1)	CH 36	5180		11.50	9.77
		CH 40	5200		13.50	11.58
		CH 52	5260		13.50	12.06
		CH 60	5300		13.50	12.21
		CH 64	5320		11.50	9.85
		CH 100	5500		11.50	9.83
		CH 104	5520		13.50	11.64
		CH 120	5600		13.50	11.77
		CH 136	5680		13.50	11.96
		CH 140	5700		10.50	9.22
		CH 149	5745		11.50	9.67
		CH 157	5785		11.50	9.80
		CH 165	5825		11.50	9.86
	Sum	CH 36	5180	6M	14.50	12.92
		CH 40	5200		16.50	14.82
		CH 52	5260		16.50	14.99
		CH 60	5300		16.50	15.15
		CH 64	5320		14.50	12.80
		CH 100	5500		14.50	13.19
		CH 104	5520		16.50	15.13
		CH 120	5600		16.50	15.12
		CH 136	5680		16.50	15.61
		CH 140	5700		13.50	12.41
		CH 149	5745		14.50	12.69
		CH 157	5785		14.50	12.88
		CH 165	5825		14.50	13.05
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.06
		CH 40	5200		13.50	11.42
		CH 52	5260		13.50	10.92

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		CH 60	5300		13.50	11.00
		CH 64	5320		11.50	9.44
		CH 100	5500		11.50	10.41
		CH 104	5520		13.50	11.91
		CH 120	5600		13.50	11.95
		CH 136	5680		13.50	12.61
		CH 140	5700		10.50	9.48
		CH 149	5745		11.50	9.63
		CH 157	5785		11.50	9.91
		CH 165	5825		11.50	10.19
	Ant6(core1)	CH 36	5180		11.50	9.72
		CH 40	5200		13.50	11.05
		CH 52	5260		13.50	10.97
		CH 60	5300		13.50	11.10
		CH 64	5320		11.50	9.70
		CH 100	5500		11.50	9.61
		CH 104	5520		13.50	11.05
		CH 120	5600		13.50	11.13
		CH 136	5680		13.50	11.48
		CH 140	5700		10.50	9.20
		CH 149	5745		11.50	9.49
		CH 157	5785		11.50	9.65
		CH 165	5825		11.50	9.73
	Sum	CH 36	5180	MCS0	14.50	12.90
		CH 40	5200		16.50	14.25
		CH 52	5260		16.50	13.96
		CH 60	5300		16.50	14.06
		CH 64	5320		14.50	12.58
		CH 100	5500		14.50	13.04
		CH 104	5520		16.50	14.51
		CH 120	5600		16.50	14.57
		CH 136	5680		16.50	15.09
		CH 140	5700		13.50	12.35
		CH 149	5745		14.50	12.57
		CH 157	5785		14.50	12.79
		CH 165	5825		14.50	12.98

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.38
		CH 46	5230		13.50	11.44
		CH 54	5270		13.50	11.20
		CH 62	5310		9.50	7.77
		CH 102	5510		9.50	8.51
		CH 110	5550		13.50	11.83
		CH 118	5590		13.50	11.78
		CH 126	5630		13.50	11.75
		CH 134	5670		9.50	8.47

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		CH 151	5755		11.50	9.78
		CH 159	5795		11.50	10.08
	Ant6(core1)	CH 38	5190		9.50	8.38
		CH 46	5230		13.50	11.53
		CH 54	5270		13.50	11.56
		CH 62	5310		9.50	8.26
		CH 102	5510		9.50	7.43
		CH 110	5550		13.50	11.75
		CH 118	5590		13.50	11.78
		CH 126	5630		13.50	11.83
		CH 134	5670		9.50	7.68
		CH 151	5755		11.50	9.69
		CH 159	5795		11.50	9.86
	Sum	CH 38	5190	MCS0	12.50	11.39
		CH 46	5230		16.50	14.50
		CH 54	5270		16.50	14.39
		CH 62	5310		12.50	11.03
		CH 102	5510		12.50	11.01
		CH 110	5550		16.50	14.80
		CH 118	5590		16.50	14.79
		CH 126	5630		16.50	14.80
		CH 134	5670		12.50	11.10
		CH 151	5755		14.50	12.75
		CH 159	5795		14.50	12.98

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	9.97
		CH 40	5200		13.50	11.50
		CH 52	5260		13.50	11.08
		CH 60	5300		13.50	11.11
		CH 64	5320		11.50	9.54
		CH 100	5500		11.50	10.41
		CH 104	5520		13.50	11.87
		CH 120	5600		13.50	11.88
		CH 136	5680		13.50	12.68
		CH 140	5700		10.50	9.56
		CH 149	5745		11.50	9.73
		CH 157	5785		11.50	9.77
		CH 165	5825		11.50	10.09
	Ant6(core1)	CH 36	5180		11.50	9.75
		CH 40	5200		13.50	11.05
		CH 52	5260		13.50	11.06
		CH 60	5300		13.50	11.05
		CH 64	5320		11.50	9.68
		CH 100	5500		11.50	9.74
		CH 104	5520		13.50	11.11
		CH 120	5600		13.50	11.15

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		CH 136	5680		13.50	11.50
		CH 140	5700		10.50	9.26
		CH 149	5745		11.50	9.59
		CH 157	5785		11.50	9.70
		CH 165	5825		11.50	9.82
	Sum	CH 36	5180	MCS0	14.50	12.87
		CH 40	5200		16.50	14.29
		CH 52	5260		16.50	14.08
		CH 60	5300		16.50	14.09
		CH 64	5320		14.50	12.62
		CH 100	5500		14.50	13.10
		CH 104	5520		16.50	14.52
		CH 120	5600		16.50	14.54
		CH 136	5680		16.50	15.14
		CH 140	5700		13.50	12.42
		CH 149	5745		14.50	12.67
		CH 157	5785		14.50	12.75
		CH 165	5825		14.50	12.97

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.24
		CH 46	5230		13.50	11.49
		CH 54	5270		13.50	11.06
		CH 62	5310		9.50	7.45
		CH 102	5510		9.50	8.30
		CH 110	5550		13.50	11.72
		CH 118	5590		13.50	11.73
		CH 126	5630		13.50	11.75
		CH 134	5670		9.50	8.47
		CH 151	5755		11.50	9.87
		CH 159	5795		11.50	10.00
	Ant6(core1)	CH 38	5190		9.50	8.22
		CH 46	5230		13.50	11.51
		CH 54	5270		13.50	11.58
		CH 62	5310		9.50	8.24
		CH 102	5510		9.50	7.62
		CH 110	5550		13.50	11.79
		CH 118	5590		13.50	11.77
		CH 126	5630		13.50	11.82
		CH 134	5670		9.50	7.76
		CH 151	5755		11.50	9.73
		CH 159	5795		11.50	9.87
	Sum	CH 38	5190	MCS0	12.50	11.24
		CH 46	5230		16.50	14.51
		CH 54	5270		16.50	14.34
		CH 62	5310		12.50	10.87

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		CH 102	5510		12.50	10.98
		CH 110	5550		16.50	14.77
		CH 118	5590		16.50	14.76
		CH 126	5630		16.50	14.80
		CH 134	5670		12.50	11.14
		CH 151	5755		14.50	12.81
		CH 159	5795		14.50	12.95
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 80M	Ant5(core0)	CH 42	5210	MCS0	9.50	8.03
		CH 58	5290		9.50	7.26
		CH 106	5530		9.50	8.45
		CH 122	5610		9.50	8.48
		CH 155	5775		11.50	9.99
	Ant6(core1)	CH 42	5210		9.50	8.16
		CH 58	5290		9.50	8.35
		CH 106	5530		9.50	7.80
		CH 122	5610		9.50	7.87
		CH 155	5775		11.50	9.92
	Sum	CH 42	5210	MCS0	12.50	11.11
		CH 58	5290		12.50	10.85
		CH 106	5530		12.50	11.15
		CH 122	5610		12.50	11.20
		CH 155	5775		14.50	12.97
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 160M	Ant5(core0)	CH 50	5250	MCS0	9.00	7.25
		CH 114	5570		9.00	8.15
	Ant6(core1)	CH 50	5250		9.50	6.84
		CH 114	5570		9.50	6.54
	Sum	CH 50	5250	MCS0	11.80	10.06
		CH 114	5570		11.80	10.43

Table 127: Conducted power measurement results of WiFi 5G CDD/MIMO(MCC of CE countries,Receiver ON)

Note:

1) The Average conducted power of WiFi is measured with RMS detector.

2) 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.

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7.1.35 Conducted power measurements of BT

The output power of BT antenna is as the following:

BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	5CH	10CH
DH5	17.00	15.11	15.48	15.88
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	11CH	22CH	32CH
DH5	17.01	**16.07**	**15.33**	**15.65**
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	16CH	32CH
2-DH5	15.50	13.00	13.73	13.04
3-DH5	15.50	13.02	13.72	13.05
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	33CH	54CH	75CH
DH5	16.50	15.04	15.14	14.65
2-DH5	14.50	13.13	13.26	12.80
3-DH5	14.50	13.13	13.27	12.79
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	76CH	77CH	78CH
DH5	14.50	14.22	13.76	13.25
2-DH5	12.50	12.40	11.95	11.44
3-DH5	12.50	12.40	11.96	11.44

Table 128: Conducted power measurement results of BT(Power level A)

BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	5CH	10CH
DH5	9.50	8.02	8.35	8.46
2-DH5	7.50	6.06	6.37	6.44
3-DH5	7.50	6.06	6.37	6.45
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	11CH	39CH	67CH
DH5	11.00	**9.17**	**9.71**	**9.04**
2-DH5	9.50	6.57	7.83	6.74
3-DH5	9.50	6.57	7.83	6.75
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	68CH	73CH	78CH
DH5	9.50	8.57	9.21	8.45
2-DH5	7.50	6.89	7.29	6.52
3-DH5	7.50	6.89	7.29	6.53

Table 129: Conducted power measurement results of BT(Power level B)

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BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	3CH	5CH
BLE	8.50	6.73	6.90	7.02
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	6CH	19CH	31CH
BLE	9.50	7.58	7.86	7.26
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	32CH	36CH	39CH
BLE	8.50	6.82	7.32	6.98

Table 130: Conducted power measurement results of BT BLE(Power level B).

Note:

1)The conducted power of BT is measured with RMS detector.

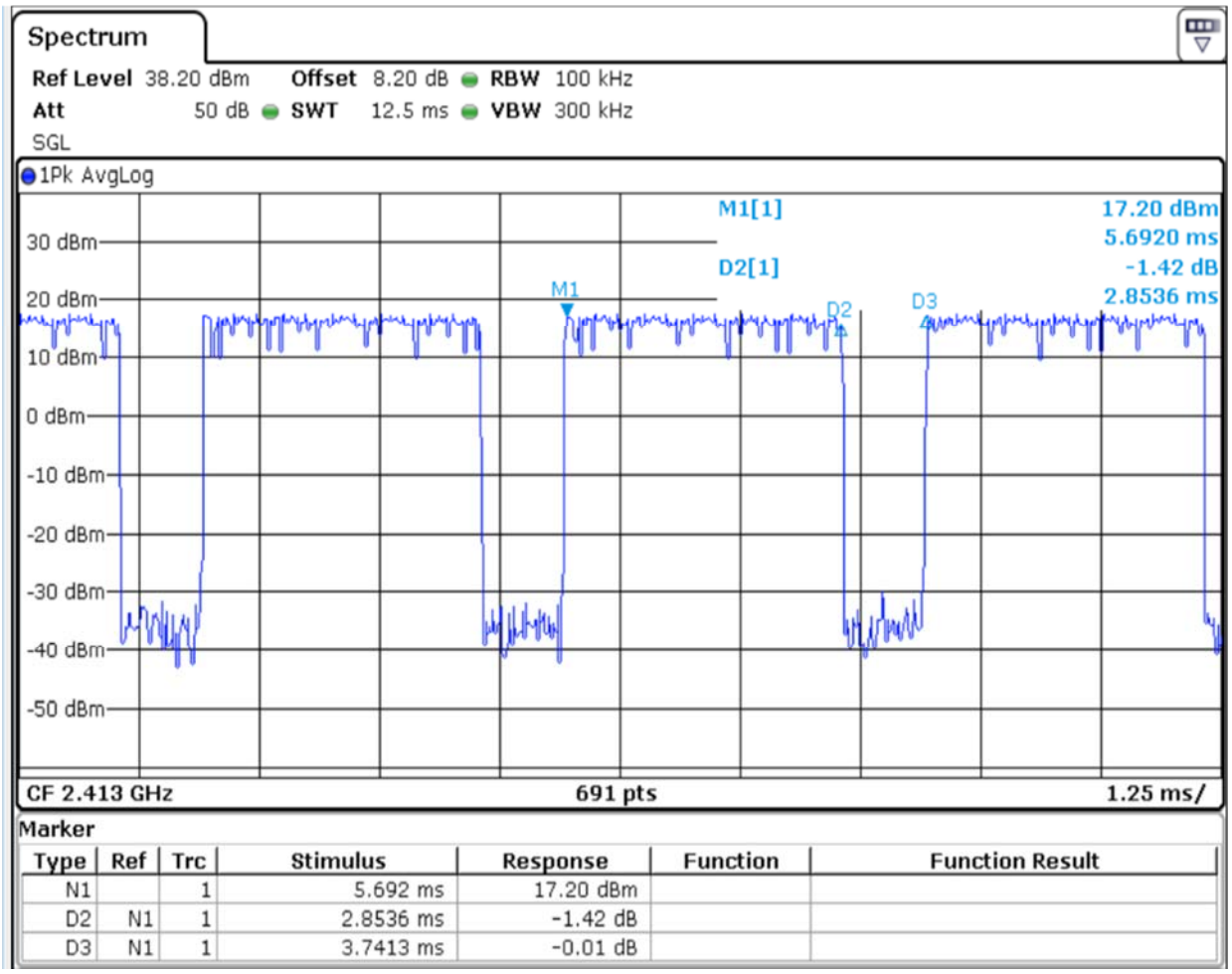
2)The bolded mode was selected for SAR testing.

3)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.

4) BT BLE does not support High power level A mode.

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Figure: Bluetooth Transmission Plot



So the actural bluetooth duty cycle is calculated as below:

$$\mathbf{Dutycycle} = \boldsymbol{pules}\frac{\boldsymbol{width}}{\boldsymbol{period}} * \mathbf{100\%} = \frac{\mathbf{2.8536}\boldsymbol{ms}}{\mathbf{3.7413}\boldsymbol{ms}} * \mathbf{100\%} = \mathbf{76\%}$$

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7.2 SAR measurement Results

General Notes:

1) Per KDB447498 D01, all SAR measurement results are scaled to the maximum tune-up tolerance limit to demonstrate SAR compliance.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

● ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.

● ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.

● ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

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.

3) Per KDB865664 D01,for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg; if the deviation among the repeated measurement is ≤20%, and the measured SAR <1.45W/kg, only one repeated measurement is required.

4) Per KDB941225 D06, the DUT Dimension is bigger than 9 cm x 5 cm, so 10mm is chosen as the test separation distance for Hotspot mode. When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.

5) Per KDB648474 D04, SAR is evaluated without a headset connected to the device. When the standalone reported body-worn SAR is ≤1.2 W/kg, no additional SAR evaluations using a headset are required.

6) Per KDB865664 D02, SAR plot is only required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination; Plots are also required when the measured SAR is > 1.5 W/kg, or > 7.0 W/kg for occupational exposure. The published RF exposure KDB procedures may require additional plots; for example, to support SAR to peak location separation ratio test exclusion and/or volume scan post-processing (Refer to appendix B for details).

7) Per KDB648474 D04, Body-worn accessories that do not contain metallic or conductive components is tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.

8) Per KDB648474 D04, Phones with built-in NFC functions do not require separate SAR testing and can generally be tested according to the SAR measurement procedures normally required for the phone. Influences of the hardware introduced by the built-in NFC functions are inherently considered through testing of the other transmitters that require SAR evaluation.

GSM Notes:

1) Per KDB941225 D01, 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.

2) Per KDB648474 D04, the device does not support DTM function. Body-worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn SAR.

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UMTS Notes:

1) Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a Second 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 Second to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the Second mode.

LTE Notes:

1) The LTE test configurations are determined according to KDB941225 D05 SAR for LTE Devices.The general test procedures used for SAR testing can be found in Section 6.5.

2) A-MPR was disabled for all SAR test by setting NS_01 on the base station simulator.SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames(maximum TTI)

3) According to KDB 941225 D05 SAR for LTE Devices, for Time-Division Duplex (TDD) systems, SAR is tested using a fixed periodic duty factor according to the highest transmission duty factor (63.33%) implemented for the device and supported by the defined 3GPP LTE TDD configurations.

WiFi Notes:

Per KDB248227D01:

1) When reported SAR for the initial test position is ≤ 0.4W/kg, no additional testing for the remaining test position is required. Otherwise, SAR is evaluated at the subsequent highest peak SAR position until the reported SAR result is ≤ 0.8W/kg or all test position are measured. 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..

2) When the DSSS *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.

3) 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 measurement is required for 2.4 GHz 802.11g/n OFDM configurations

4) The highest SAR measured for the initial test position or initial test configuration should be used to determine SAR test exclusion according to the sum of 1-g SAR and SAR peak to location ratio provisions in KDB 447498. In addition, a test lab may also choose to perform standalone SAR measurements for test positions and 802.11 configurations that are not required by the initial test position or initial test configuration procedures and apply the results to determine simultaneous transmission SAR test exclusion, according to sum of 1-g and SAR peak to location ratio requirements to reduce the number of simultaneous transmission SAR measurements.

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7.2.1 SAR measurement Result of GSM850

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	190/836.6	GSM	**0.273**	0.138	-0.14	27.70	28.20	**0.306**	Battery 1#	Yes
Left tilt	190/836.6	GSM	0.252	0.120	0.04	27.70	28.20	0.283	Battery 1#	/
Right cheek	190/836.6	GSM	0.266	0.142	-0.01	27.70	28.20	0.298	Battery 1#	/
Right tilt	190/836.6	GSM	0.243	0.119	-0.07	27.70	28.20	0.273	Battery 1#	/
Left cheek	190/836.6	GSM	0.271	0.137	0.05	27.70	28.20	0.304	Battery 2#	/
Left cheek	128/824.2	GSM	0.205	0.103	-0.11	27.63	28.20	0.234	Battery 1#	/
Left cheek	251/848.8	GSM	0.239	0.120	-0.04	27.72	28.20	0.267	Battery 1#	/
Main Antenna										
Left cheek	190/836.6	GSM	0.089	0.059	0.03	33.86	34.00	0.092	Battery 1#	/
Left tilt	190/836.6	GSM	0.041	0.028	0.02	33.86	34.00	0.042	Battery 1#	/
Right cheek	190/836.6	GSM	**0.104**	0.082	0.15	33.86	34.00	**0.107**	Battery 1#	Yes
Right tilt	190/836.6	GSM	0.042	0.029	0.06	33.86	34.00	0.044	Battery 1#	/
Right cheek	190/836.6	GSM	0.100	0.080	-0.06	33.86	34.00	0.103	Battery 2#	/
Right cheek	128/824.2	GSM	0.100	0.080	-0.08	33.80	34.00	0.105	Battery 1#	/
Right cheek	251/848.8	GSM	0.082	0.065	0.05	33.96	34.00	0.083	Battery 1#	/

Table 131: Head SAR test results of GSM850

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	190/836.6	GSM	0.043	0.030	-0.15	28.29	28.70	0.047	Battery 1#	/
Back Side	15mm	190/836.6	GSM	**0.049**	0.035	-0.10	28.29	28.70	**0.054**	Battery 1#	Yes
Back Side	15mm	190/836.6	GSM	0.047	0.033	-0.03	28.29	28.70	0.052	Battery 2#	/
Back Side	15mm	128/824.2	GSM	0.037	0.026	-0.08	28.11	28.70	0.042	Battery 1#	/
Back Side	15mm	251/848.8	GSM	0.044	0.031	-0.13	28.22	28.70	0.050	Battery 1#	/
Main Antenna											
Front Side	15mm	190/836.6	GSM	0.209	0.142	-0.07	33.86	34.00	0.216	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.291	0.209	-0.07	33.86	34.00	0.301	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.285	0.204	-0.05	33.86	34.00	0.294	Battery 2#	/
Back Side	15mm	128/824.2	GSM	**0.307**	0.222	-0.06	33.80	34.00	**0.321**	Battery 1#	Yes
Back Side	15mm	251/848.8	GSM	0.253	0.180	-0.05	33.96	34.00	0.255	Battery 1#	/

Table 132: Body-Worn SAR test results of GSM850

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	**0.110**	0.060	-0.15	26.25	26.70	**0.122**	Battery 1#	Yes
Back Side	10mm	190/836.6	GPRS 2TS	0.106	0.059	-0.16	26.25	26.70	0.118	Battery 1#	/
Left Side	10mm	190/836.6	GPRS 2TS	0.066	0.044	-0.09	26.25	26.70	0.074	Battery 1#	/
Right Side	10mm	190/836.6	GPRS 2TS	0.010	0.007	-0.08	26.25	26.70	0.011	Battery 1#	/
Top Side	10mm	190/836.6	GPRS 2TS	0.074	0.035	0.15	26.25	26.70	0.082	Battery 1#	/
Front Side	10mm	190/836.6	GPRS 2TS	0.101	0.056	-0.11	26.25	26.70	0.112	Battery 2#	/
Front Side	10mm	128/824.2	GPRS 2TS	0.074	0.041	-0.16	26.18	26.70	0.084	Battery 1#	/
Front Side	10mm	251/848.8	GPRS 2TS	0.088	0.049	-0.03	26.18	26.70	0.100	Battery 1#	/
Main Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.302	0.197	-0.06	31.62	32.00	0.330	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.394	0.232	-0.06	31.62	32.00	0.430	Battery 1#	/
Left Side	10mm	190/836.6	GPRS 2TS	0.312	0.160	-0.04	31.62	32.00	0.341	Battery 1#	/
Bottom Side	10mm	190/836.6	GPRS 2TS	0.261	0.161	-0.05	31.62	32.00	0.285	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.423	0.248	-0.04	31.62	32.00	0.462	Battery 2#	/
Back Side	10mm	128/824.2	GPRS 2TS	**0.481**	0.340	-0.10	31.52	32.00	**0.537**	Battery 2#	Yes
Back Side	10mm	251/848.8	GPRS 2TS	0.435	0.256	-0.09	31.72	32.00	0.464	Battery 2#	/

Table 133: Hotspot SAR test results of GSM850

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

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7.2.2 SAR measurement Result of GSM1900

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	661/1880	GSM	0.118	0.059	-0.02	26.24	27.00	0.141	Battery 1#	/
Left tilt	661/1880	GSM	0.162	0.079	-0.10	26.24	27.00	0.193	Battery 1#	/
Right cheek	661/1880	GSM	0.191	0.092	-0.02	26.24	27.00	0.228	Battery 1#	/
Right tilt	661/1880	GSM	0.224	0.109	-0.03	26.24	27.00	0.267	Battery 1#	/
Right tilt	661/1880	GSM	0.225	0.109	-0.07	26.24	27.00	0.268	Battery 2#	/
Right tilt	512/1850.2	GSM	**0.249**	0.121	-0.04	26.17	27.00	**0.301**	Battery 2#	Yes
Right tilt	810/1909.8	GSM	0.229	0.108	-0.05	26.09	27.00	0.282	Battery 2#	/
Main Antenna										
Left cheek	661/1880	GSM	0.063	0.041	-0.04	30.33	31.00	0.073	Battery 1#	/
Left tilt	661/1880	GSM	0.038	0.021	0.06	30.33	31.00	0.044	Battery 1#	/
Right cheek	661/1880	GSM	0.060	0.039	-0.10	30.33	31.00	0.070	Battery 1#	/
Right tilt	661/1880	GSM	0.035	0.021	-0.10	30.33	31.00	0.041	Battery 1#	/
Left cheek	661/1880	GSM	0.064	0.041	-0.10	30.33	31.00	0.074	Battery 2#	/
Left cheek	512/1850.2	GSM	0.051	0.033	0.09	30.32	31.00	0.060	Battery 2#	/
Left cheek	810/1909.8	GSM	**0.069**	0.045	0.17	30.14	31.00	**0.084**	Battery 2#	Yes

Table 134: Head SAR test results of GSM1900

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	661/1880	GSM	0.015	0.009	-0.12	26.24	27.00	0.018	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.020	0.012	0.19	26.24	27.00	0.024	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.015	0.008	-0.12	26.24	27.00	0.018	Battery 2#	/
Back Side	15mm	512/1850.2	GSM	**0.025**	0.015	0.02	26.17	27.00	**0.031**	Battery 1#	Yes
Back Side	15mm	810/1909.8	GSM	0.019	0.010	-0.07	26.09	27.00	0.023	Battery 1#	/
Main Antenna											
Front Side	15mm	661/1880	GSM	0.087	0.077	0.16	30.33	31.00	0.102	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.121	0.079	-0.07	30.33	31.00	0.141	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.114	0.069	0.10	30.33	31.00	0.133	Battery 2#	/
Back Side	15mm	512/1850.2	GSM	0.101	0.062	0.11	30.32	31.00	0.118	Battery 1#	/
Back Side	15mm	810/1909.8	GSM	**0.130**	0.084	-0.11	30.14	31.00	**0.158**	Battery 1#	Yes

Table 135: Body-Worn SAR test results of GSM1900

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	661/1880	GPRS 2TS	0.044	0.023	-0.07	24.24	25.00	0.052	Battery 1#	/
Back Side	10mm	661/1880	GPRS 2TS	0.059	0.032	-0.04	24.24	25.00	0.070	Battery 1#	/
Left Side	10mm	661/1880	GPRS 2TS	0.015	0.008	0.09	24.24	25.00	0.018	Battery 1#	/
Top Side	10mm	661/1880	GPRS 2TS	0.107	0.057	0.11	24.24	25.00	0.127	Battery 1#	/
Top Side	10mm	661/1880	GPRS 2TS	**0.109**	0.059	0.18	24.24	25.00	**0.130**	Battery 2#	Yes
Top Side	10mm	512/1850.2	GPRS 2TS	0.099	0.052	0.14	24.14	25.00	0.120	Battery 2#	/
Top Side	10mm	810/1909.8	GPRS 2TS	0.085	0.045	0.13	24.07	25.00	0.106	Battery 2#	/
Main Antenna											
Front Side	10mm	661/1880	GPRS 2TS	0.192	0.110	-0.10	28.19	29.00	0.231	Battery 1#	/
Back Side	10mm	661/1880	GPRS 2TS	0.247	0.146	-0.09	28.19	29.00	0.298	Battery 1#	/
Right Side	10mm	661/1880	GPRS 2TS	0.127	0.069	0.05	28.19	29.00	0.153	Battery 1#	/
Bottom Side	10mm	661/1880	GPRS 2TS	0.437	0.248	0.18	28.19	29.00	0.527	Battery 1#	/
Bottom Side	10mm	661/1880	GPRS 2TS	0.410	0.232	0.15	28.19	29.00	0.494	Battery 2#	/
Bottom Side	10mm	512/1850.2	GPRS 2TS	0.365	0.200	0.19	28.17	29.00	0.442	Battery 1#	/
Bottom Side	10mm	810/1909.8	GPRS 2TS	**0.473**	0.265	0.18	28.02	29.00	**0.593**	Battery 1#	Yes

Table 136: Hotspot SAR test results of GSM1900

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

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7.2.3 SAR measurement Result of UMTS Band II

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	9400/1880	RMC	0.105	0.060	-0.07	15.57	16.50	0.130	Battery 1#	/
Left tilt	9400/1880	RMC	0.143	0.080	-0.07	15.57	16.50	0.177	Battery 1#	/
Right cheek	9400/1880	RMC	0.205	0.100	-0.13	15.57	16.50	0.254	Battery 1#	/
Right tilt	9400/1880	RMC	0.189	0.102	-0.17	15.57	16.50	0.234	Battery 1#	/
Right cheek	9400/1880	RMC	**0.215**	0.103	-0.17	15.57	16.50	**0.266**	Battery 2#	Yes
Right cheek	9262/1852.4	RMC	0.193	0.107	-0.16	15.64	16.50	0.235	Battery 2#	/
Right cheek	9538/1907.6	RMC	0.153	0.087	-0.12	15.43	16.50	0.196	Battery 2#	/
Main Antenna										
Left cheek	9400/1880	RMC	**0.173**	0.112	0.05	23.96	25.00	**0.220**	Battery 1#	Yes
Left tilt	9400/1880	RMC	0.080	0.044	-0.09	23.96	25.00	0.102	Battery 1#	/
Right cheek	9400/1880	RMC	0.137	0.089	0.08	23.96	25.00	0.174	Battery 1#	/
Right tilt	9400/1880	RMC	0.083	0.048	-0.03	23.96	25.00	0.105	Battery 1#	/
Left cheek	9400/1880	RMC	0.171	0.109	0.05	23.96	25.00	0.217	Battery 2#	/
Left cheek	9262/1852.4	RMC	0.148	0.090	-0.03	24.05	25.00	0.184	Battery 1#	/
Left cheek	9538/1907.6	RMC	0.146	0.088	-0.12	23.85	25.00	0.190	Battery 1#	/

Table 137: Head SAR test results of UMTS Band II

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	9400/1880	RMC	0.082	0.046	-0.13	21.55	22.50	0.102	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.134	0.079	-0.11	21.55	22.50	0.167	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.123	0.074	-0.09	21.55	22.50	0.153	Battery 2#	/
Back Side	15mm	9262/1852.4	RMC	**0.160**	0.095	-0.06	21.68	22.50	**0.193**	Battery 1#	Yes
Back Side	15mm	9538/1907.6	RMC	0.097	0.057	-0.07	21.45	22.50	0.123	Battery 1#	/
Main Antenna											
Front Side	15mm	9400/1880	RMC	0.218	0.136	-0.08	23.96	25.00	0.277	Battery 1#	/
Back Side	15mm	9400/1880	RMC	**0.326**	0.210	-0.11	23.96	25.00	**0.414**	Battery 1#	Yes
Back Side	15mm	9400/1880	RMC	0.316	0.205	-0.07	23.96	25.00	0.402	Battery 2#	/
Back Side	15mm	9262/1852.4	RMC	0.325	0.212	-0.14	24.05	25.00	0.404	Battery 1#	/
Back Side	15mm	9538/1907.6	RMC	0.311	0.200	-0.14	23.85	25.00	0.405	Battery 1#	/

Table 138: Body-Worn SAR test results of UMTS Band II

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	9400/1880	RMC	0.070	0.036	-0.07	17.08	18.00	0.086	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.112	0.061	-0.10	17.08	18.00	0.138	Battery 1#	/
Left Side	10mm	9400/1880	RMC	0.012	0.006	0.19	17.08	18.00	0.014	Battery 1#	/
Top Side	10mm	9400/1880	RMC	0.153	0.082	0.17	17.08	18.00	0.189	Battery 1#	/
Top Side	10mm	9400/1880	RMC	0.146	0.078	0.18	17.08	18.00	0.180	Battery 2#	/
Top Side	10mm	9262/1852.4	RMC	**0.172**	0.092	0.17	17.23	18.00	**0.205**	Battery 1#	Yes
Top Side	10mm	9538/1907.6	RMC	0.114	0.061	0.17	16.98	18.00	0.144	Battery 1#	/
Main Antenna											
Front Side	10mm	9400/1880	RMC	0.199	0.121	-0.11	21.46	22.50	0.253	Battery 1#	/
Back Side	10mm	9400/1880	RMC	**0.318**	0.204	-0.11	21.46	22.50	**0.404**	Battery 1#	Yes
Right Side	10mm	9400/1880	RMC	0.146	0.079	-0.12	21.46	22.50	0.186	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.285	0.161	0.14	21.46	22.50	0.362	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.300	0.191	0.08	21.46	22.50	0.381	Battery 2#	/
Back Side	10mm	9262/1852.4	RMC	0.290	0.174	0.00	21.46	22.50	0.368	Battery 1#	/
Back Side	10mm	9538/1907.6	RMC	0.274	0.161	-0.12	21.35	22.50	0.357	Battery 1#	/

Table 139: Hotspot SAR test results of UMTS Band II

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	9400/1880	RMC	0.070	0.036	-0.07	17.08	22.50	0.242	Yes
Back Side	10mm	9400/1880	RMC	0.112	0.061	-0.10	17.08	22.50	0.390	Yes
Left Side	10mm	9400/1880	RMC	0.012	0.006	0.19	17.08	22.50	0.040	Yes
Top Side	10mm	9400/1880	RMC	0.153	0.082	0.17	17.08	22.50	0.533	Yes
Top Side	10mm	9400/1880	RMC	0.146	0.078	0.18	17.08	22.50	0.509	Yes
Top Side	10mm	9262/1852.4	RMC	**0.172**	0.092	0.17	17.23	22.50	0.579	Yes
Top Side	10mm	9538/1907.6	RMC	0.114	0.061	0.17	16.98	22.50	0.406	Yes
Main Antenna										
Front Side	10mm	9400/1880	RMC	0.199	0.121	-0.11	21.46	25.00	0.450	Yes
Back Side	10mm	9400/1880	RMC	**0.318**	0.204	-0.11	21.46	25.00	0.719	Yes
Right Side	10mm	9400/1880	RMC	0.146	0.079	-0.12	21.46	25.00	0.330	Yes
Back Side	10mm	9400/1880	RMC	0.285	0.161	0.14	21.46	25.00	0.644	Yes
Back Side	10mm	9400/1880	RMC	0.300	0.191	0.08	21.46	25.00	0.678	Yes
Back Side	10mm	9262/1852.4	RMC	0.290	0.174	0.00	21.46	25.00	0.655	Yes
Back Side	10mm	9538/1907.6	RMC	0.274	0.161	-0.12	21.35	25.00	0.635	Yes

Table 140: Product Specific 10-g SAR test reduction evaluation of UMTS Band II

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

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7.2.4 SAR measurement Result of UMTS Band IV

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	1413/1732.6	RMC	0.153	0.077	-0.11	14.54	15.50	0.191	Battery 1#	/
Left tilt	1413/1732.6	RMC	0.257	0.125	-0.03	14.54	15.50	0.321	Battery 1#	/
Right cheek	1413/1732.6	RMC	0.176	0.089	0.08	14.54	15.50	0.220	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.305	0.149	0.04	14.54	15.50	0.380	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.278	0.137	0.04	14.54	15.50	0.347	Battery 2#	/
Right tilt	1312/1712.4	RMC	0.223	0.111	0.01	14.65	15.50	0.271	Battery 1#	/
Right tilt	1513/1752.6	RMC	**0.361**	0.170	-0.16	14.53	15.50	**0.451**	Battery 1#	Yes
Main Antenna										
Left cheek	1413/1732.6	RMC	**0.233**	0.149	0.02	23.99	25.00	**0.294**	Battery 1#	Yes
Left tilt	1413/1732.6	RMC	0.143	0.077	-0.07	23.99	25.00	0.180	Battery 1#	/
Right cheek	1413/1732.6	RMC	0.199	0.130	-0.10	23.99	25.00	0.251	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.136	0.076	0.07	23.99	25.00	0.172	Battery 1#	/
Left cheek	1413/1732.6	RMC	0.210	0.136	0.12	23.99	25.00	0.265	Battery 2#	/
Left cheek	1312/1712.4	RMC	0.231	0.149	-0.15	24.13	25.00	0.282	Battery 1#	/
Left cheek	1513/1752.6	RMC	0.228	0.146	0.01	24.04	25.00	0.284	Battery 1#	/

Table 141: Head SAR test results of UMTS Band IV

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	1413/1732.6	RMC	0.158	0.097	-0.19	22.03	23.00	0.198	Battery 1#	/
Back Side	15mm	1413/1732.6	RMC	**0.283**	0.168	-0.08	22.03	23.00	**0.354**	Battery 1#	Yes
Back Side	15mm	1413/1732.6	RMC	0.274	0.164	-0.04	22.03	23.00	0.343	Battery 2#	/
Back Side	15mm	1312/1712.4	RMC	0.257	0.153	-0.13	22.15	23.00	0.313	Battery 1#	/
Back Side	15mm	1513/1752.6	RMC	0.268	0.159	-0.04	22.06	23.00	0.333	Battery 1#	/
Main Antenna											
Front Side	15mm	1413/1732.6	RMC	**0.407**	0.268	-0.19	23.99	25.00	**0.514**	Battery 1#	Yes
Back Side	15mm	1413/1732.6	RMC	0.378	0.248	-0.11	23.99	25.00	0.477	Battery 1#	/
Front Side	15mm	1413/1732.6	RMC	0.404	0.267	-0.17	23.99	25.00	0.510	Battery 2#	/
Front Side	15mm	1312/1712.4	RMC	0.371	0.234	-0.16	24.13	25.00	0.453	Battery 1#	/
Front Side	15mm	1513/1752.6	RMC	0.364	0.240	-0.17	24.04	25.00	0.454	Battery 1#	/

Table 142: Body-Worn SAR test results of UMTS Band IV

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	1413/1732.6	RMC	0.101	0.060	0.01	18.06	19.00	0.125	Battery 1#	/
Back Side	10mm	1413/1732.6	RMC	0.290	0.150	0.10	18.06	19.00	0.360	Battery 1#	/
Left Side	10mm	1413/1732.6	RMC	0.048	0.023	0.09	18.06	19.00	0.060	Battery 1#	/
Top Side	10mm	1413/1732.6	RMC	**0.294**	0.163	0.01	18.06	19.00	**0.365**	Battery 1#	Yes
Top Side	10mm	1413/1732.6	RMC	0.292	0.162	0.04	18.06	19.00	0.363	Battery 2#	/
Top Side	10mm	1312/1712.4	RMC	0.274	0.153	0.05	18.16	19.00	0.332	Battery 1#	/
Top Side	10mm	1513/1752.6	RMC	0.283	0.155	0.09	18.07	19.00	0.351	Battery 1#	/
Main Antenna											
Front Side	10mm	1413/1732.6	RMC	0.308	0.201	0.01	20.99	22.00	0.389	Battery 1#	/
Back Side	10mm	1413/1732.6	RMC	0.406	0.265	-0.10	20.99	22.00	0.512	Battery 1#	/
Right Side	10mm	1413/1732.6	RMC	0.068	0.040	-0.07	20.99	22.00	0.085	Battery 1#	/
Bottom Side	10mm	1413/1732.6	RMC	**0.542**	0.312	0.07	20.99	22.00	**0.684**	Battery 1#	Yes
Bottom Side	10mm	1413/1732.6	RMC	0.506	0.295	0.06	20.99	22.00	0.638	Battery 2#	/
Bottom Side	10mm	1312/1712.4	RMC	0.489	0.285	0.01	21.10	22.00	0.602	Battery 1#	/
Bottom Side	10mm	1513/1752.6	RMC	0.264	0.153	0.00	21.03	22.00	0.330	Battery 1#	/

Table 143: Hotspot SAR test results of UMTS Band IV

Per KDB648474D04, 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:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	1413/1732.6	RMC	0.101	0.060	0.01	18.06	23.00	0.315	Yes
Back Side	10mm	1413/1732.6	RMC	0.290	0.150	0.10	18.06	23.00	0.904	Yes
Left Side	10mm	1413/1732.6	RMC	0.048	0.023	0.09	18.06	23.00	0.150	Yes
Top Side	10mm	1413/1732.6	RMC	**0.294**	0.163	0.01	18.06	23.00	0.917	Yes
Top Side	10mm	1413/1732.6	RMC	0.292	0.162	0.04	18.06	23.00	0.911	Yes
Top Side	10mm	1312/1712.4	RMC	0.274	0.153	0.05	18.16	23.00	0.835	Yes
Top Side	10mm	1513/1752.6	RMC	0.283	0.155	0.09	18.07	23.00	0.881	Yes
Main Antenna										
Front Side	10mm	1413/1732.6	RMC	0.308	0.201	0.01	20.99	25.00	0.775	Yes
Back Side	10mm	1413/1732.6	RMC	0.406	0.265	-0.10	20.99	25.00	1.022	Yes
Right Side	10mm	1413/1732.6	RMC	0.068	0.040	-0.07	20.99	25.00	0.170	Yes
Bottom Side	10mm	1413/1732.6	RMC	**0.542**	0.312	0.07	20.99	25.00	1.365	No
Bottom Side	10mm	1413/1732.6	RMC	0.506	0.295	0.06	20.99	25.00	1.274	No
Bottom Side	10mm	1312/1712.4	RMC	0.489	0.285	0.01	21.10	25.00	1.200	Yes
Bottom Side	10mm	1513/1752.6	RMC	0.264	0.153	0.00	21.03	25.00	0.659	Yes

Table 144: Product Specific 10-g SAR test reduction evaluation of UMTS Band IV

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Bottom Side for Main antenna

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Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Main Antenna											
Bottom Side	0mm	1413/1732.6	RMC	3.190	1.430	0.07	20.99	22.00	1.804	Battery 1#	/
Bottom Side	0mm	1413/1732.6	RMC	3.190	**1.440**	0.09	20.99	22.00	**1.817**	Battery 2#	Yes
Bottom Side	0mm	1312/1712.4	RMC	3.040	1.400	0.08	21.10	22.00	1.722	Battery 2#	/
Bottom Side	0mm	1513/1752.6	RMC	3.120	1.410	0.08	21.03	22.00	1.763	Battery 2#	/
Additional SAR test at a conservative distance(triggering distance minus 1mm)											
Bottom Side	7mm	1413/1732.6	RMC	1.490	0.828	-0.03	23.99	25.00	1.045	Battery 2#	/

Table 145: Product Specific 10-g SAR test results of UMTS Band IV

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7.2.5 SAR measurement Result of UMTS Band V

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	4182/836.4	RMC	0.214	0.107	0.00	17.80	18.20	0.235	Battery 1#	/
Left tilt	4182/836.4	RMC	0.183	0.087	-0.04	17.80	18.20	0.201	Battery 1#	/
Right cheek	4182/836.4	RMC	0.228	0.123	-0.06	17.80	18.20	0.250	Battery 1#	/
Right tilt	4182/836.4	RMC	0.225	0.113	-0.03	17.80	18.20	0.247	Battery 1#	/
Right cheek	4182/836.4	RMC	0.243	0.129	-0.14	17.80	18.20	0.266	Battery 2#	/
Right cheek	4132/826.4	RMC	0.207	0.109	-0.02	17.76	18.20	0.229	Battery 2#	/
Right cheek	4233/846.6	RMC	**0.257**	0.137	-0.09	17.81	18.20	**0.281**	Battery 2#	Yes
Main Antenna										
Left cheek	4182/836.4	RMC	0.102	0.072	-0.09	24.39	25.00	0.117	Battery 1#	/
Left tilt	4182/836.4	RMC	0.052	0.040	0.03	24.39	25.00	0.060	Battery 1#	/
Right cheek	4182/836.4	RMC	0.111	0.088	0.05	24.39	25.00	0.128	Battery 1#	/
Right tilt	4182/836.4	RMC	0.049	0.038	0.15	24.39	25.00	0.056	Battery 1#	/
Right cheek	4182/836.4	RMC	0.110	0.088	-0.17	24.39	25.00	0.127	Battery 2#	/
Right cheek	4132/826.4	RMC	**0.123**	0.098	0.05	24.40	25.00	**0.141**	Battery 1#	Yes
Right cheek	4233/846.6	RMC	0.087	0.069	0.07	24.34	25.00	0.101	Battery 1#	/

Table 146: Head SAR test results of UMTS Band V

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	4182/836.4	RMC	0.137	0.093	-0.05	24.30	24.70	0.150	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.178	0.124	-0.06	24.30	24.70	0.195	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.178	0.123	-0.16	24.30	24.70	0.195	Battery 2#	/
Back Side	15mm	4132/826.4	RMC	0.135	0.094	-0.10	24.30	24.70	0.148	Battery 1#	/
Back Side	15mm	4233/846.6	RMC	**0.185**	0.129	-0.10	24.28	24.70	**0.204**	Battery 1#	Yes
Main Antenna											
Front Side	15mm	4182/836.4	RMC	0.211	0.145	-0.02	24.39	25.00	0.243	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.284	0.203	-0.02	24.39	25.00	0.327	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.290	0.207	0.02	24.39	25.00	0.334	Battery 2#	/
Back Side	15mm	4132/826.4	RMC	**0.321**	0.232	-0.07	24.40	25.00	**0.369**	Battery 2#	Yes
Back Side	15mm	4233/846.6	RMC	0.231	0.165	-0.01	24.34	25.00	0.269	Battery 2#	/

Table 147: Body-Worn SAR test results of UMTS Band V

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	4182/836.4	RMC	0.136	0.075	0.00	21.30	21.70	0.149	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.151	0.082	-0.11	21.30	21.70	0.166	Battery 1#	/
Left Side	10mm	4182/836.4	RMC	0.082	0.055	0.03	21.30	21.70	0.090	Battery 1#	/
Right Side	10mm	4182/836.4	RMC	0.014	0.009	0.04	21.30	21.70	0.015	Battery 1#	/
Top Side	10mm	4182/836.4	RMC	0.115	0.051	-0.07	21.30	21.70	0.126	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.152	0.082	-0.03	21.30	21.70	0.167	Battery 2#	/
Back Side	10mm	4132/826.4	RMC	0.127	0.070	-0.14	21.31	21.70	0.139	Battery 2#	/
Back Side	10mm	4233/846.6	RMC	**0.174**	0.109	-0.09	21.27	21.70	**0.192**	Battery 2#	Yes
Main Antenna											
Front Side	10mm	4182/836.4	RMC	0.271	0.186	0.06	24.39	25.00	0.312	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	**0.375**	0.219	-0.02	24.39	25.00	**0.432**	Battery 1#	Yes
Left Side	10mm	4182/836.4	RMC	0.312	0.174	0.10	24.39	25.00	0.359	Battery 1#	/
Bottom Side	10mm	4182/836.4	RMC	0.203	0.126	0.00	24.39	25.00	0.234	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.278	0.162	-0.09	24.39	25.00	0.320	Battery 2#	/
Back Side	10mm	4132/826.4	RMC	0.374	0.216	-0.02	24.40	25.00	0.429	Battery 1#	/
Back Side	10mm	4233/846.6	RMC	0.289	0.189	-0.05	24.34	25.00	0.336	Battery 1#	/

Table 148: Hotspot SAR test results of UMTS Band V

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	4182/836.4	RMC	0.136	0.075	0.00	21.30	24.70	0.298	Yes
Back Side	10mm	4182/836.4	RMC	0.151	0.082	-0.11	21.30	24.70	0.330	Yes
Left Side	10mm	4182/836.4	RMC	0.082	0.055	0.03	21.30	24.70	0.179	Yes
Right Side	10mm	4182/836.4	RMC	0.014	0.009	0.04	21.30	24.70	0.030	Yes
Top Side	10mm	4182/836.4	RMC	0.115	0.051	-0.07	21.30	24.70	0.252	Yes
Back Side	10mm	4182/836.4	RMC	0.152	0.082	-0.03	21.30	24.70	0.333	Yes
Back Side	10mm	4132/826.4	RMC	0.127	0.070	-0.14	21.31	24.70	0.277	Yes
Back Side	10mm	4233/846.6	RMC	**0.174**	0.109	-0.09	21.27	24.70	0.383	Yes
Main Antenna										
Front Side	10mm	4182/836.4	RMC	0.271	0.186	0.06	24.39	25.00	0.312	Yes
Back Side	10mm	4182/836.4	RMC	**0.375**	0.219	-0.02	24.39	25.00	0.432	Yes
Left Side	10mm	4182/836.4	RMC	0.312	0.174	0.10	24.39	25.00	0.359	Yes
Bottom Side	10mm	4182/836.4	RMC	0.203	0.126	0.00	24.39	25.00	0.234	Yes
Back Side	10mm	4182/836.4	RMC	0.278	0.162	-0.09	24.39	25.00	0.320	Yes
Back Side	10mm	4132/826.4	RMC	0.374	0.216	-0.02	24.40	25.00	0.429	Yes
Back Side	10mm	4233/846.6	RMC	0.289	0.189	-0.05	24.34	25.00	0.336	Yes

Table 149: Product Specific 10-g SAR test reduction evaluation of UMTS Band V

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

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7.2.6 SAR measurement Result of LTE Band 2

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	19100/1900	20M QPSK 1RB#99	0.120	0.059	-0.16	15.37	16.70	0.163	Battery 1#	/
Left tilt	19100/1900	20M QPSK 1RB#99	0.148	0.072	-0.16	15.37	16.70	0.201	Battery 1#	/
Right cheek	19100/1900	20M QPSK 1RB#99	0.218	0.103	0.01	15.37	16.70	0.296	Battery 1#	/
Right tilt	19100/1900	20M QPSK 1RB#99	0.264	0.119	-0.03	15.37	16.70	0.359	Battery 1#	/
Left cheek	19100/1900	20M QPSK 50%RB#50	0.091	0.052	-0.02	15.63	16.70	0.116	Battery 1#	/
Left tilt	19100/1900	20M QPSK 50%RB#50	0.159	0.078	-0.01	15.63	16.70	0.203	Battery 1#	/
Right cheek	19100/1900	20M QPSK 50%RB#50	0.231	0.109	0.11	15.63	16.70	0.296	Battery 1#	/
Right tilt	19100/1900	20M QPSK 50%RB#50	**0.289**	0.131	-0.03	15.63	16.70	**0.370**	Battery 1#	Yes
Right tilt	19100/1900	20M QPSK 50%RB#50	0.217	0.105	-0.02	15.63	16.70	0.278	Battery 2#	/
Right tilt	18700/1860	20M QPSK 50%RB#0	0.269	0.131	0.00	15.57	16.70	0.349	Battery 1#	/
Right tilt	18900/1880	20M QPSK 50%RB#50	0.275	0.134	0.02	15.60	16.70	0.354	Battery 1#	/
Main Antenna										
Left cheek	18700/1860	20M QPSK 1RB#0	**0.125**	0.080	-0.04	23.23	24.70	**0.175**	Battery 1#	Yes
Left tilt	18700/1860	20M QPSK 1RB#0	0.067	0.038	0.01	23.23	24.70	0.095	Battery 1#	/
Right cheek	18700/1860	20M QPSK 1RB#0	0.118	0.077	-0.07	23.23	24.70	0.166	Battery 1#	/
Right tilt	18700/1860	20M QPSK 1RB#0	0.066	0.037	-0.01	23.23	24.70	0.093	Battery 1#	/
Left cheek	18700/1860	20M QPSK 50%RB#25	0.094	0.057	-0.13	22.56	23.70	0.122	Battery 1#	/
Left tilt	18700/1860	20M QPSK 50%RB#25	0.065	0.036	-0.02	22.56	23.70	0.085	Battery 1#	/
Right cheek	18700/1860	20M QPSK 50%RB#25	0.100	0.058	0.05	22.56	23.70	0.130	Battery 1#	/
Right tilt	18700/1860	20M QPSK 50%RB#25	0.059	0.034	0.04	22.56	23.70	0.077	Battery 1#	/
Left cheek	18700/1860	20M QPSK 1RB#0	0.110	0.073	-0.07	23.23	24.70	0.154	Battery 2#	/
Left cheek	18900/1880	20M QPSK 1RB#50	0.118	0.078	-0.16	23.22	24.70	0.166	Battery 1#	/
Left cheek	19100/1900	20M QPSK 1RB#0	0.120	0.079	-0.02	23.16	24.70	0.171	Battery 1#	/

Table 150: Head SAR test results of LTE Band 2

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Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	18700/1860	20M QPSK 1RB#99	0.026	0.014	0.03	20.36	21.70	0.036	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#99	0.085	0.051	0.14	20.36	21.70	0.116	Battery 1#	/
Front Side	15mm	18700/1860	20M QPSK 50%RB#0	0.032	0.017	-0.06	20.64	21.70	0.040	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 50%RB#0	0.098	0.058	0.17	20.64	21.70	0.126	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 50%RB#0	**0.132**	0.077	-0.02	20.64	21.70	**0.168**	Battery 2#	Yes
Back Side	15mm	18900/1880	20M QPSK 50%RB#0	0.109	0.064	-0.02	20.58	21.70	0.141	Battery 2#	/
Back Side	15mm	19100/1900	20M QPSK 50%RB#0	0.087	0.049	0.00	20.55	21.70	0.113	Battery 2#	/
Main Antenna											
Front Side	15mm	18700/1860	20M QPSK 1RB#0	0.165	0.103	-0.04	23.23	24.70	0.231	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	**0.262**	0.171	-0.13	23.23	24.70	**0.368**	Battery 1#	Yes
Front Side	15mm	18700/1860	20M QPSK 50%RB#25	0.152	0.095	-0.10	22.56	23.70	0.198	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 50%RB#25	0.204	0.123	-0.02	22.56	23.70	0.265	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.244	0.159	-0.15	23.23	24.70	0.342	Battery 2#	/
Back Side	15mm	18900/1880	20M QPSK 1RB#50	0.260	0.168	-0.02	23.22	24.70	0.366	Battery 1#	/
Back Side	15mm	19100/1900	20M QPSK 1RB#0	0.244	0.134	-0.11	23.16	24.70	0.348	Battery 1#	/

Table 151: Body-Worn SAR test results of LTE Band 2

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	18900/1880	20M QPSK 1RB#99	0.046	0.026	0.12	16.40	17.70	0.062	Battery 1#	/
Back Side	10mm	18900/1880	20M QPSK 1RB#99	0.074	0.040	0.19	16.40	17.70	0.099	Battery 1#	/
Left Side	10mm	18900/1880	20M QPSK 1RB#99	0.021	0.011	0.12	16.40	17.70	0.029	Battery 1#	/
Top Side	10mm	18900/1880	20M QPSK 1RB#99	0.102	0.055	0.02	16.40	17.70	0.138	Battery 1#	/
Front Side	10mm	18700/1860	20M QPSK 50%RB#25	0.052	0.029	-0.07	16.68	17.70	0.066	Battery 1#	/
Back Side	10mm	18700/1860	20M QPSK 50%RB#25	0.098	0.053	-0.14	16.68	17.70	0.124	Battery 1#	/
Left Side	10mm	18700/1860	20M QPSK 50%RB#25	0.022	0.012	0.15	16.68	17.70	0.027	Battery 1#	/
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.134	0.072	-0.07	16.68	17.70	0.169	Battery 1#	/
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	**0.135**	0.073	0.17	16.68	17.70	**0.171**	Battery 2#	Yes
Top Side	10mm	18900/1880	20M QPSK 50%RB#0	0.113	0.060	0.13	16.54	17.70	0.148	Battery 2#	/
Top Side	10mm	19100/1900	20M QPSK 50%RB#50	0.092	0.049	0.11	16.59	17.70	0.119	Battery 2#	/
Main Antenna											
Front Side	10mm	19100/1900	20M QPSK 1RB#99	0.217	0.124	-0.18	21.33	22.70	0.297	Battery 1#	/
Back Side	10mm	19100/1900	20M QPSK 1RB#99	0.283	0.182	-0.04	21.33	22.70	0.388	Battery 1#	/
Right Side	10mm	19100/1900	20M QPSK 1RB#99	0.140	0.077	0.18	21.33	22.70	0.192	Battery 1#	/
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.459	0.260	0.04	21.33	22.70	0.629	Battery 1#	/
Front Side	10mm	18700/1860	20M QPSK 50%RB#50	0.221	0.136	-0.08	21.58	22.70	0.286	Battery 1#	/
Back Side	10mm	18700/1860	20M QPSK 50%RB#50	0.323	0.209	-0.19	21.58	22.70	0.418	Battery 1#	/
Right Side	10mm	18700/1860	20M QPSK 50%RB#50	0.150	0.082	0.09	21.58	22.70	0.194	Battery 1#	/
Bottom Side	10mm	18700/1860	20M QPSK 50%RB#50	**0.489**	0.280	-0.17	21.58	22.70	0.633	Battery 1#	Yes
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.473	0.269	-0.05	21.33	22.70	**0.648**	Battery 2#	/
Bottom Side	10mm	18700/1860	20M QPSK 1RB#99	0.420	0.236	-0.13	21.20	22.70	0.593	Battery 1#	/
Bottom Side	10mm	18900/1880	20M QPSK 1RB#99	0.415	0.232	-0.11	21.32	22.70	0.570	Battery 1#	/

Table 152: Hotspot SAR test results of LTE Band 2

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	18900/1880	20M QPSK 1RB#99	0.046	0.026	0.12	16.40	21.70	0.156	Yes
Back Side	10mm	18900/1880	20M QPSK 1RB#99	0.074	0.040	0.19	16.40	21.70	0.250	Yes
Left Side	10mm	18900/1880	20M QPSK 1RB#99	0.021	0.011	0.12	16.40	21.70	0.072	Yes
Top Side	10mm	18900/1880	20M QPSK 1RB#99	0.102	0.055	0.02	16.40	21.70	0.346	Yes
Front Side	10mm	18700/1860	20M QPSK 50%RB#25	0.052	0.029	-0.07	16.68	21.70	0.165	Yes
Back Side	10mm	18700/1860	20M QPSK 50%RB#25	0.098	0.053	-0.14	16.68	21.70	0.312	Yes
Left Side	10mm	18700/1860	20M QPSK 50%RB#25	0.022	0.012	0.15	16.68	21.70	0.068	Yes
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.134	0.072	-0.07	16.68	21.70	0.426	Yes
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.135	0.073	0.17	16.68	21.70	0.429	Yes
Top Side	10mm	18900/1880	20M QPSK 50%RB#0	0.113	0.060	0.13	16.54	21.70	0.371	Yes
Top Side	10mm	19100/1900	20M QPSK 50%RB#50	0.092	0.049	0.11	16.59	21.70	0.298	Yes
Main Antenna										
Front Side	10mm	19100/1900	20M QPSK 1RB#99	0.217	0.124	-0.18	21.33	24.70	0.471	Yes
Back Side	10mm	19100/1900	20M QPSK 1RB#99	0.283	0.182	-0.04	21.33	24.70	0.615	Yes
Right Side	10mm	19100/1900	20M QPSK 1RB#99	0.140	0.077	0.18	21.33	24.70	0.304	Yes
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.459	0.260	0.04	21.33	24.70	0.997	Yes
Front Side	10mm	18700/1860	20M QPSK 50%RB#50	0.221	0.136	-0.08	21.58	23.70	0.360	Yes
Back Side	10mm	18700/1860	20M QPSK 50%RB#50	0.323	0.209	-0.19	21.58	23.70	0.526	Yes
Right Side	10mm	18700/1860	20M QPSK 50%RB#50	0.150	0.082	0.09	21.58	23.70	0.244	Yes
Bottom Side	10mm	18700/1860	20M QPSK 50%RB#50	0.489	0.280	-0.17	21.58	23.70	0.797	Yes
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.473	0.269	-0.05	21.33	24.70	1.028	Yes
Bottom Side	10mm	18700/1860	20M QPSK 1RB#99	0.420	0.236	-0.13	21.20	24.70	0.940	Yes
Bottom Side	10mm	18900/1880	20M QPSK 1RB#99	0.415	0.232	-0.11	21.32	24.70	0.904	Yes

Table 153: Product Specific 10-g SAR test reduction evaluation of LTE Band 2

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

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7.2.7 SAR measurement Result of LTE Band 4

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	20050/1720	20M QPSK 1RB#0	0.168	0.083	-0.17	14.24	15.20	0.210	Battery 1#	/
Left tilt	20050/1720	20M QPSK 1RB#0	0.200	0.106	-0.18	14.24	15.20	0.249	Battery 1#	/
Right cheek	20050/1720	20M QPSK 1RB#0	0.191	0.096	0.04	14.24	15.20	0.238	Battery 1#	/
Right tilt	20050/1720	20M QPSK 1RB#0	0.174	0.087	0.16	14.24	15.20	0.217	Battery 1#	/
Left cheek	20050/1720	20M QPSK 50%RB#0	0.180	0.089	0.11	14.45	15.20	0.214	Battery 1#	/
Left tilt	20050/1720	20M QPSK 50%RB#0	**0.222**	0.109	0.07	14.45	15.20	**0.264**	Battery 1#	Yes
Right cheek	20050/1720	20M QPSK 50%RB#0	0.209	0.105	0.18	14.45	15.20	0.248	Battery 1#	/
Right tilt	20050/1720	20M QPSK 50%RB#0	0.176	0.089	0.10	14.45	15.20	0.209	Battery 1#	/
Left tilt	20050/1720	20M QPSK 50%RB#0	0.150	0.075	0.18	14.45	15.20	0.178	Battery 2#	/
Left tilt	20175/1732.5	20M QPSK 50%RB#50	0.188	0.094	0.08	14.43	15.20	0.224	Battery 1#	/
Left tilt	20300/1745	20M QPSK 50%RB#50	0.198	0.097	0.18	14.25	15.20	0.246	Battery 1#	/
Main Antenna										
Left cheek	20300/1745	20M QPSK 1RB#99	0.217	0.139	0.19	24.13	25.20	0.278	Battery 1#	/
Left tilt	20300/1745	20M QPSK 1RB#99	0.122	0.071	0.03	24.13	25.20	0.156	Battery 1#	/
Right cheek	20300/1745	20M QPSK 1RB#99	0.158	0.097	0.10	24.13	25.20	0.202	Battery 1#	/
Right tilt	20300/1745	20M QPSK 1RB#99	0.112	0.065	0.05	24.13	25.20	0.143	Battery 1#	/
Left cheek	20050/1720	20M QPSK 50%RB#0	0.189	0.121	0.15	23.31	24.20	0.232	Battery 1#	/
Left tilt	20050/1720	20M QPSK 50%RB#0	0.093	0.053	0.06	23.31	24.20	0.114	Battery 1#	/
Right cheek	20050/1720	20M QPSK 50%RB#0	0.149	0.097	0.07	23.31	24.20	0.183	Battery 1#	/
Right tilt	20050/1720	20M QPSK 50%RB#0	0.108	0.069	0.02	23.31	24.20	0.133	Battery 1#	/
Left cheek	20300/1745	20M QPSK 1RB#99	0.191	0.125	-0.03	24.13	25.20	0.244	Battery 2#	/
Left cheek	20050/1720	20M QPSK 1RB#50	**0.244**	0.156	-0.03	23.92	25.20	**0.328**	Battery 1#	Yes
Left cheek	20175/1732.5	20M QPSK 1RB#0	0.241	0.155	0.06	23.96	25.20	0.321	Battery 1#	/

Table 154: Head SAR test results of LTE Band 4

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Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	20175/1732.5	20M QPSK 1RB#50	0.111	0.068	0.00	21.20	22.20	0.140	Battery 1#	/
Back Side	15mm	20175/1732.5	20M QPSK 1RB#50	0.202	0.119	0.05	21.20	22.20	0.254	Battery 1#	/
Front Side	15mm	20175/1732.5	20M QPSK 50%RB#0	0.126	0.077	0.12	21.45	22.20	0.150	Battery 1#	/
Back Side	15mm	20175/1732.5	20M QPSK 50%RB#0	0.227	0.134	0.18	21.45	22.20	0.270	Battery 1#	/
Back Side	15mm	20175/1732.5	20M QPSK 50%RB#0	0.207	0.123	0.12	21.45	22.20	0.246	Battery 2#	/
Back Side	15mm	20050/1720	20M QPSK 50%RB#0	**0.240**	0.143	-0.14	21.35	22.20	**0.292**	Battery 1#	Yes
Back Side	15mm	20300/1745	20M QPSK 50%RB#50	0.225	0.133	-0.10	21.32	22.20	0.276	Battery 1#	/
Main Antenna											
Front Side	15mm	20300/1745	20M QPSK 1RB#99	0.299	0.200	-0.13	24.13	25.20	0.383	Battery 1#	/
Back Side	15mm	20300/1745	20M QPSK 1RB#99	0.404	0.266	-0.12	24.13	25.20	0.517	Battery 1#	/
Front Side	15mm	20050/1720	20M QPSK 50%RB#0	0.273	0.180	-0.12	23.31	24.20	0.335	Battery 1#	/
Back Side	15mm	20050/1720	20M QPSK 50%RB#0	0.368	0.244	-0.19	23.31	24.20	0.452	Battery 1#	/
Back Side	15mm	20300/1745	20M QPSK 1RB#99	**0.419**	0.274	-0.09	24.13	25.20	0.536	Battery 2#	Yes
Back Side	15mm	20050/1720	20M QPSK 1RB#50	0.413	0.271	-0.16	23.92	25.20	**0.555**	Battery 2#	/
Back Side	15mm	20175/1732.5	20M QPSK 1RB#0	0.416	0.273	-0.14	23.96	25.20	0.553	Battery 2#	/

Table 155: Body-Worn SAR test results of LTE Band 4

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	20300/1745	20M QPSK 1RB#50	0.113	0.062	-0.06	18.17	19.20	0.143	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 1RB#50	0.225	0.122	0.08	18.17	19.20	0.285	Battery 1#	/
Left Side	10mm	20300/1745	20M QPSK 1RB#50	0.044	0.026	-0.19	18.17	19.20	0.055	Battery 1#	/
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.270	0.148	-0.13	18.17	19.20	**0.342**	Battery 1#	/
Front Side	10mm	20300/1745	20M QPSK 50%RB#0	0.162	0.092	0.04	18.39	19.20	0.195	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 50%RB#0	0.200	0.116	-0.01	18.39	19.20	0.241	Battery 1#	/
Left Side	10mm	20300/1745	20M QPSK 50%RB#0	0.046	0.026	0.08	18.39	19.20	0.056	Battery 1#	/
Top Side	10mm	20300/1745	20M QPSK 50%RB#0	**0.280**	0.155	0.06	18.39	19.20	0.337	Battery 1#	Yes
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.253	0.140	-0.10	18.17	19.20	0.321	Battery 2#	/
Top Side	10mm	20050/1720	20M QPSK 1RB#99	0.239	0.134	0.18	18.15	19.20	0.304	Battery 1#	/
Top Side	10mm	20175/1732.5	20M QPSK 1RB#99	0.256	0.129	-0.05	18.01	19.20	0.337	Battery 1#	/
Main Antenna											
Front Side	10mm	20300/1745	20M QPSK 1RB#0	0.279	0.182	-0.16	21.10	22.20	0.359	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.370	0.241	-0.09	21.10	22.20	**0.477**	Battery 1#	/
Right Side	10mm	20300/1745	20M QPSK 1RB#0	0.163	0.085	-0.10	21.10	22.20	0.210	Battery 1#	/
Bottom Side	10mm	20300/1745	20M QPSK 1RB#0	0.229	0.133	0.02	21.10	22.20	0.295	Battery 1#	/
Front Side	10mm	20300/1745	20M QPSK 50%RB#0	0.273	0.180	0.04	21.33	22.20	0.334	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 50%RB#0	**0.375**	0.244	-0.13	21.33	22.20	0.458	Battery 1#	Yes
Right Side	10mm	20300/1745	20M QPSK 50%RB#0	0.182	0.093	-0.05	21.33	22.20	0.222	Battery 1#	/
Bottom Side	10mm	20300/1745	20M QPSK 50%RB#0	0.236	0.130	0.03	21.33	22.20	0.288	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.331	0.217	-0.16	21.10	22.20	0.426	Battery 2#	/
Back Side	10mm	20050/1720	20M QPSK 1RB#0	0.305	0.201	-0.13	20.95	22.20	0.407	Battery 1#	/
Back Side	10mm	20175/1732.5	20M QPSK 1RB#0	0.326	0.214	-0.09	20.93	22.20	0.437	Battery 1#	/

Table 156: Hotspot SAR test results of LTE Band 4

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	20300/1745	20M QPSK 1RB#50	0.113	0.062	-0.06	18.17	22.20	0.286	Yes
Back Side	10mm	20300/1745	20M QPSK 1RB#50	0.225	0.122	0.08	18.17	22.20	0.569	Yes
Left Side	10mm	20300/1745	20M QPSK 1RB#50	0.044	0.026	-0.19	18.17	22.20	0.110	Yes
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.270	0.148	-0.13	18.17	22.20	0.683	Yes
Front Side	10mm	20300/1745	20M QPSK 50%RB#0	0.162	0.092	0.04	18.39	22.20	0.390	Yes
Back Side	10mm	20300/1745	20M QPSK 50%RB#0	0.200	0.116	-0.01	18.39	22.20	0.481	Yes
Left Side	10mm	20300/1745	20M QPSK 50%RB#0	0.046	0.026	0.08	18.39	22.20	0.112	Yes
Top Side	10mm	20300/1745	20M QPSK 50%RB#0	**0.280**	0.155	0.06	18.39	22.20	0.673	Yes
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.253	0.140	-0.10	18.17	22.20	0.640	Yes
Top Side	10mm	20050/1720	20M QPSK 1RB#99	0.239	0.134	0.18	18.15	22.20	0.607	Yes
Top Side	10mm	20175/1732.5	20M QPSK 1RB#99	0.256	0.129	-0.05	18.01	22.20	0.672	Yes
Main Antenna										
Front Side	10mm	20300/1745	20M QPSK 1RB#0	0.279	0.182	-0.16	21.10	25.20	0.717	Yes
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.370	0.241	-0.09	21.10	25.20	0.951	Yes
Right Side	10mm	20300/1745	20M QPSK 1RB#0	0.163	0.085	-0.10	21.10	25.20	0.419	Yes
Bottom Side	10mm	20300/1745	20M QPSK 1RB#0	0.229	0.133	0.02	21.10	25.20	0.589	Yes
Front Side	10mm	20300/1745	20M QPSK 50%RB#0	0.273	0.180	0.04	21.33	24.20	0.529	Yes
Back Side	10mm	20300/1745	20M QPSK 50%RB#0	**0.375**	0.244	-0.13	21.33	24.20	0.726	Yes
Right Side	10mm	20300/1745	20M QPSK 50%RB#0	0.182	0.093	-0.05	21.33	24.20	0.352	Yes
Bottom Side	10mm	20300/1745	20M QPSK 50%RB#0	0.236	0.130	0.03	21.33	24.20	0.457	Yes
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.331	0.217	-0.16	21.10	25.20	0.851	Yes
Back Side	10mm	20050/1720	20M QPSK 1RB#0	0.305	0.201	-0.13	20.95	25.20	0.812	Yes
Back Side	10mm	20175/1732.5	20M QPSK 1RB#0	0.326	0.214	-0.09	20.93	25.20	0.871	Yes

Table 157: Product Specific 10-g SAR test reduction evaluation of LTE Band 4

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

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7.2.8 SAR measurement Result of LTE Band 5

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	20450/829	10M QPSK 1RB#0	0.243	0.121	0.12	17.77	18.70	0.301	Battery 1#	/
Left tilt	20450/829	10M QPSK 1RB#0	0.246	0.119	0.02	17.77	18.70	0.305	Battery 1#	/
Right cheek	20450/829	10M QPSK 1RB#0	0.301	0.159	-0.07	17.77	18.70	0.373	Battery 1#	/
Right tilt	20450/829	10M QPSK 1RB#0	0.275	0.134	-0.12	17.77	18.70	0.341	Battery 1#	/
Left cheek	20450/829	10M QPSK 50%RB#25	0.273	0.136	0.04	17.77	18.70	0.338	Battery 1#	/
Left tilt	20450/829	10M QPSK 50%RB#25	0.274	0.132	-0.08	17.77	18.70	0.339	Battery 1#	/
Right cheek	20450/829	10M QPSK 50%RB#25	0.253	0.134	-0.02	17.77	18.70	0.313	Battery 1#	/
Right tilt	20450/829	10M QPSK 50%RB#25	0.231	0.111	0.12	17.77	18.70	0.286	Battery 1#	/
Right cheek	20450/829	10M QPSK 1RB#0	0.293	0.149	-0.05	17.77	18.70	0.363	Battery 2#	/
Right cheek	20525/836.5	10M QPSK 1RB#49	**0.348**	0.177	-0.06	17.71	18.70	**0.437**	Battery 1#	Yes
Right cheek	20600/844	10M QPSK 1RB#0	0.340	0.174	-0.05	17.71	18.70	0.427	Battery 1#	/
Main Antenna										
Left cheek	20525/836.5	10M QPSK 1RB#0	0.115	0.084	-0.06	23.92	25.00	0.147	Battery 1#	/
Left tilt	20525/836.5	10M QPSK 1RB#0	0.055	0.042	0.18	23.92	25.00	0.071	Battery 1#	/
Right cheek	20525/836.5	10M QPSK 1RB#0	0.115	0.091	-0.04	23.92	25.00	0.147	Battery 1#	/
Right tilt	20525/836.5	10M QPSK 1RB#0	0.051	0.039	-0.09	23.92	25.00	0.065	Battery 1#	/
Left cheek	20600/844	10M QPSK 50%RB#13	0.083	0.055	0.15	22.96	24.00	0.106	Battery 1#	/
Left tilt	20600/844	10M QPSK 50%RB#13	0.037	0.028	0.08	22.96	24.00	0.048	Battery 1#	/
Right cheek	20600/844	10M QPSK 50%RB#13	0.072	0.056	0.11	22.96	24.00	0.091	Battery 1#	/
Right tilt	20600/844	10M QPSK 50%RB#13	0.029	0.023	-0.01	22.96	24.00	0.037	Battery 1#	/
Right cheek	20525/836.5	10M QPSK 1RB#0	**0.117**	0.093	0.02	23.92	25.00	0.150	Battery 2#	Yes
Right cheek	20450/829	10M QPSK 1RB#0	0.116	0.092	0.05	23.78	25.00	**0.154**	Battery 2#	/
Right cheek	20600/844	10M QPSK 1RB#25	0.092	0.073	0.02	23.90	25.00	0.119	Battery 2#	/

Table 158: Head SAR test results of LTE Band 5

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Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	20600/844	10M QPSK 1RB#0	0.135	0.091	-0.06	23.87	24.70	0.163	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 1RB#0	**0.189**	0.132	-0.05	23.87	24.70	**0.229**	Battery 1#	Yes
Front Side	15mm	20600/844	10M QPSK 50%RB#0	0.132	0.088	0.06	22.85	23.70	0.161	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 50%RB#0	0.159	0.104	-0.07	22.85	23.70	0.193	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 1RB#0	0.177	0.123	-0.09	23.87	24.70	0.214	Battery 2#	/
Back Side	15mm	20450/829	10M QPSK 1RB#0	0.115	0.077	-0.10	23.61	24.70	0.148	Battery 1#	/
Back Side	15mm	20525/836.5	10M QPSK 1RB#0	0.133	0.089	-0.08	23.67	24.70	0.169	Battery 1#	/
Main Antenna											
Front Side	15mm	20525/836.5	10M QPSK 1RB#0	0.230	0.158	-0.16	23.92	25.00	0.295	Battery 1#	/
Back Side	15mm	20525/836.5	10M QPSK 1RB#0	**0.339**	0.243	-0.08	23.92	25.00	**0.435**	Battery 1#	Yes
Front Side	15mm	20600/844	10M QPSK 50%RB#13	0.179	0.123	-0.16	22.96	24.00	0.227	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 50%RB#13	0.206	0.161	0.05	22.96	24.00	0.262	Battery 1#	/
Back Side	15mm	20525/836.5	10M QPSK 1RB#0	0.324	0.232	-0.19	23.92	25.00	0.415	Battery 2#	/
Back Side	15mm	20450/829	10M QPSK 1RB#0	0.303	0.207	0.02	23.78	25.00	0.401	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 1RB#25	0.297	0.213	-0.11	23.90	25.00	0.383	Battery 1#	/

Table 159: Body-Worn SAR test results of LTE Band 5

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	20525/836.5	10M QPSK 1RB#0	0.137	0.084	-0.06	20.33	21.20	0.167	Battery 1#	/
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.149	0.081	0.00	20.33	21.20	0.182	Battery 1#	/
Left Side	10mm	20525/836.5	10M QPSK 1RB#0	0.085	0.056	0.03	20.33	21.20	0.103	Battery 1#	/
Right Side	10mm	20525/836.5	10M QPSK 1RB#0	0.010	0.007	0.19	20.33	21.20	0.013	Battery 1#	/
Top Side	10mm	20525/836.5	10M QPSK 1RB#0	0.122	0.055	-0.16	20.33	21.20	0.149	Battery 1#	/
Front Side	10mm	20600/844	10M QPSK 50%RB#0	0.137	0.075	0.00	20.33	21.20	0.167	Battery 1#	/
Back Side	10mm	20600/844	10M QPSK 50%RB#0	0.151	0.082	-0.08	20.33	21.20	0.184	Battery 1#	/
Left Side	10mm	20600/844	10M QPSK 50%RB#0	0.047	0.032	-0.02	20.33	21.20	0.058	Battery 1#	/
Right Side	10mm	20600/844	10M QPSK 50%RB#0	0.014	0.009	0.09	20.33	21.20	0.017	Battery 1#	/
Top Side	10mm	20600/844	10M QPSK 50%RB#0	0.136	0.061	-0.14	20.33	21.20	0.166	Battery 1#	/
Back Side	10mm	20600/844	10M QPSK 50%RB#0	**0.152**	0.083	-0.08	20.33	21.20	**0.186**	Battery 2#	Yes
Back Side	10mm	20450/829	10M QPSK 50%RB#13	0.130	0.081	-0.09	20.11	21.20	0.167	Battery 2#	/
Back Side	10mm	20525/836.5	10M QPSK 50%RB#0	0.138	0.075	-0.09	20.22	21.20	0.173	Battery 2#	/
Main Antenna											
Front Side	10mm	20525/836.5	10M QPSK 1RB#0	0.337	0.211	-0.01	23.92	25.00	0.432	Battery 1#	/
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.415	0.243	-0.17	23.92	25.00	0.532	Battery 1#	/
Left Side	10mm	20525/836.5	10M QPSK 1RB#0	0.337	0.186	0.05	23.92	25.00	0.432	Battery 1#	/
Bottom Side	10mm	20525/836.5	10M QPSK 1RB#0	0.240	0.150	-0.09	23.92	25.00	0.308	Battery 1#	/
Front Side	10mm	20600/844	10M QPSK 50%RB#13	0.224	0.140	-0.06	22.96	24.00	0.285	Battery 1#	/
Back Side	10mm	20600/844	10M QPSK 50%RB#13	0.303	0.200	-0.01	22.96	24.00	0.385	Battery 1#	/
Left Side	10mm	20600/844	10M QPSK 50%RB#13	0.250	0.138	0.19	22.96	24.00	0.318	Battery 1#	/
Bottom Side	10mm	20600/844	10M QPSK 50%RB#13	0.160	0.100	-0.07	22.96	24.00	0.203	Battery 1#	/
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.406	0.239	-0.03	23.92	25.00	0.521	Battery 2#	/
Back Side	10mm	20450/829	10M QPSK 1RB#0	**0.439**	0.309	0.06	23.78	25.00	**0.581**	Battery 1#	Yes
Back Side	10mm	20600/844	10M QPSK 1RB#25	0.382	0.225	-0.10	23.90	25.00	0.492	Battery 1#	/

Table 160: Hotspot SAR test results of LTE Band 5

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	20525/836.5	10M QPSK 1RB#0	0.137	0.084	-0.06	20.33	24.70	0.375	Yes
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.149	0.081	0.00	20.33	24.70	0.408	Yes
Left Side	10mm	20525/836.5	10M QPSK 1RB#0	0.085	0.056	0.03	20.33	24.70	0.231	Yes
Right Side	10mm	20525/836.5	10M QPSK 1RB#0	0.010	0.007	0.19	20.33	24.70	0.028	Yes
Top Side	10mm	20525/836.5	10M QPSK 1RB#0	0.122	0.055	-0.16	20.33	24.70	0.334	Yes
Front Side	10mm	20600/844	10M QPSK 50%RB#0	0.137	0.075	0.00	20.33	23.70	0.298	Yes
Back Side	10mm	20600/844	10M QPSK 50%RB#0	0.151	0.082	-0.08	20.33	23.70	0.328	Yes
Left Side	10mm	20600/844	10M QPSK 50%RB#0	0.047	0.032	-0.02	20.33	23.70	0.103	Yes
Right Side	10mm	20600/844	10M QPSK 50%RB#0	0.014	0.009	0.09	20.33	23.70	0.030	Yes
Top Side	10mm	20600/844	10M QPSK 50%RB#0	0.136	0.061	-0.14	20.33	23.70	0.295	Yes
Back Side	10mm	20600/844	10M QPSK 50%RB#0	**0.152**	0.083	-0.08	20.33	23.70	0.330	Yes
Back Side	10mm	20450/829	10M QPSK 50%RB#13	0.130	0.081	-0.09	20.11	23.70	0.297	Yes
Back Side	10mm	20525/836.5	10M QPSK 50%RB#0	0.138	0.075	-0.09	20.22	23.70	0.308	Yes
Main Antenna										
Front Side	10mm	20525/836.5	10M QPSK 1RB#0	0.337	0.211	-0.01	23.92	25.00	0.432	Yes
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.415	0.243	-0.17	23.92	25.00	0.532	Yes
Left Side	10mm	20525/836.5	10M QPSK 1RB#0	0.337	0.186	0.05	23.92	25.00	0.432	Yes
Bottom Side	10mm	20525/836.5	10M QPSK 1RB#0	0.240	0.150	-0.09	23.92	25.00	0.308	Yes
Front Side	10mm	20600/844	10M QPSK 50%RB#13	0.224	0.140	-0.06	22.96	24.00	0.285	Yes
Back Side	10mm	20600/844	10M QPSK 50%RB#13	0.303	0.200	-0.01	22.96	24.00	0.385	Yes
Left Side	10mm	20600/844	10M QPSK 50%RB#13	0.250	0.138	0.19	22.96	24.00	0.318	Yes
Bottom Side	10mm	20600/844	10M QPSK 50%RB#13	0.160	0.100	-0.07	22.96	24.00	0.203	Yes
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.406	0.239	-0.03	23.92	25.00	0.521	Yes
Back Side	10mm	20450/829	10M QPSK 1RB#0	**0.439**	0.309	0.06	23.78	25.00	0.581	Yes
Back Side	10mm	20600/844	10M QPSK 1RB#25	0.382	0.225	-0.10	23.90	25.00	0.492	Yes

Table 161: Product Specific 10-g SAR test reduction evaluation of LTE Band 5

Note:According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

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7.2.9 SAR measurement Result of LTE Band 7

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	21100/2535	20M QPSK 1RB#50	0.100	0.046	-0.16	12.95	13.70	0.119	Battery 1#	/
Left tilt	21100/2535	20M QPSK 1RB#50	0.109	0.050	-0.13	12.95	13.70	0.130	Battery 1#	/
Right cheek	21100/2535	20M QPSK 1RB#50	0.222	0.101	-0.19	12.95	13.70	0.264	Battery 1#	/
Right tilt	21100/2535	20M QPSK 1RB#50	**0.244**	0.066	-0.18	12.95	13.70	**0.290**	Battery 1#	Yes
Left cheek	21100/2535	20M QPSK 50%RB#25	0.092	0.042	-0.13	13.00	13.70	0.108	Battery 1#	/
Left tilt	21100/2535	20M QPSK 50%RB#25	0.116	0.053	-0.19	13.00	13.70	0.136	Battery 1#	/
Right cheek	21100/2535	20M QPSK 50%RB#25	0.139	0.074	-0.12	13.00	13.70	0.163	Battery 1#	/
Right tilt	21100/2535	20M QPSK 50%RB#25	0.187	0.083	-0.14	13.00	13.70	0.220	Battery 1#	/
Right tilt	21100/2535	20M QPSK 1RB#50	0.180	0.080	-0.19	12.95	13.70	0.214	Battery 2#	/
Right tilt	20850/2510	20M QPSK 1RB#0	0.158	0.072	-0.12	12.65	13.70	0.201	Battery 1#	/
Right tilt	21350/2560	20M QPSK 1RB#0	0.190	0.088	-0.19	12.85	13.70	0.231	Battery 1#	/
Right tilt	21100/2535(PCC)	20M QPSK 1RB#99	0.170	0.070	0.04	11.86	13.50	0.248	Battery 1#	/
	20902/2515.2(SCC)	20M QPSK 1RB#0								
Main Antenna										
Left cheek	21350/2560	20M QPSK 1RB#50	0.095	0.054	-0.02	23.85	24.70	0.115	Battery 1#	/
Left tilt	21350/2560	20M QPSK 1RB#50	0.068	0.036	0.18	23.85	24.70	0.083	Battery 1#	/
Right cheek	21350/2560	20M QPSK 1RB#50	**0.190**	0.105	-0.04	23.85	24.70	0.231	Battery 1#	Yes
Right tilt	21350/2560	20M QPSK 1RB#50	0.039	0.019	0.07	23.85	24.70	0.047	Battery 1#	/
Left cheek	21100/2535	20M QPSK 50%RB#25	0.079	0.040	-0.10	22.94	23.70	0.094	Battery 1#	/
Left tilt	21100/2535	20M QPSK 50%RB#25	0.052	0.026	-0.18	22.94	23.70	0.061	Battery 1#	/
Right cheek	21100/2535	20M QPSK 50%RB#25	0.148	0.074	0.13	22.94	23.70	0.176	Battery 1#	/
Right tilt	21100/2535	20M QPSK 50%RB#25	0.033	0.016	-0.06	22.94	23.70	0.039	Battery 1#	/
Right cheek	21350/2560	20M QPSK 1RB#50	0.185	0.102	0.03	23.85	24.70	0.225	Battery 2#	/
Right cheek	20850/2510	20M QPSK 1RB#50	0.185	0.103	0.15	23.59	24.70	0.239	Battery 1#	/
Right cheek	21100/2535	20M QPSK 1RB#0	0.188	0.104	-0.12	23.73	24.70	0.235	Battery 1#	/
Right cheek	21100/2535(PCC)	20M QPSK 1RB#99	0.156	0.081	0.05	22.52	24.50	**0.246**	Battery 1#	/
	21298/2554.8(SCC)	20M QPSK 1RB#0								

Table 162: Head SAR test results of LTE Band 7

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Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	21100/2535	20M QPSK 1RB#0	0.052	0.028	-0.17	19.51	20.20	0.061	Battery 1#	/
Back Side	15mm	21100/2535	20M QPSK 1RB#0	0.056	0.032	-0.17	19.51	20.20	0.066	Battery 1#	/
Front Side	15mm	21350/2560	20M QPSK 50%RB#0	0.056	0.030	-0.09	19.77	20.20	0.061	Battery 1#	/
Back Side	15mm	21350/2560	20M QPSK 50%RB#0	0.062	0.036	-0.15	19.77	20.20	0.068	Battery 1#	/
Back Side	15mm	21350/2560	20M QPSK 50%RB#0	**0.072**	0.042	-0.13	19.77	20.20	0.079	Battery 2#	/
Back Side	15mm	20850/2510	20M QPSK 50%RB#50	0.065	0.038	-0.17	19.53	20.20	0.075	Battery 2#	/
Back Side	15mm	21100/2535	20M QPSK 50%RB#50	0.033	0.011	0.00	19.72	20.20	0.037	Battery 2#	/
Back Side	15mm	21350/2560(PCC)	20M QPSK 1RB#0	0.070	0.041	0.11	18.25	20.00	**0.105**	Battery 2#	Yes
		21152/2540.2(SCC)	20M QPSK 1RB#99								
Main Antenna											
Front Side	15mm	21350/2560	20M QPSK 1RB#50	0.130	0.071	-0.19	23.85	24.70	0.158	Battery 1#	/
Back Side	15mm	21350/2560	20M QPSK 1RB#50	0.229	0.127	-0.11	23.85	24.70	0.279	Battery 1#	/
Front Side	15mm	21100/2535	20M QPSK 50%RB#25	0.120	0.065	0.19	22.94	23.70	0.143	Battery 1#	/
Back Side	15mm	21100/2535	20M QPSK 50%RB#25	0.213	0.118	-0.09	22.94	23.70	0.254	Battery 1#	/
Back Side	15mm	21350/2560	20M QPSK 1RB#50	0.236	0.131	-0.15	23.85	24.70	0.287	Battery 2#	/
Back Side	15mm	20850/2510	20M QPSK 1RB#50	0.260	0.146	-0.14	23.59	24.70	0.336	Battery 2#	/
Back Side	15mm	21100/2535	20M QPSK 1RB#0	0.260	0.146	-0.18	23.73	24.70	0.325	Battery 2#	/
Back Side	15mm	21100/2535(PCC)	20M QPSK 1RB#99	**0.261**	0.122	-0.07	22.52	24.50	**0.412**	Battery 2#	Yes
		21298/2554.8(SCC)	20M QPSK 1RB#0								

Table 163: Body-Worn SAR test results of LTE Band 7

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	21350/2560	20M QPSK 1RB#99	0.092	0.047	0.15	16.82	17.70	0.113	Battery 1#	/
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.180	0.091	-0.16	16.82	17.70	0.220	Battery 1#	/
Left Side	10mm	21350/2560	20M QPSK 1RB#99	0.112	0.042	-0.08	16.82	17.70	0.137	Battery 1#	/
Top Side	10mm	21350/2560	20M QPSK 1RB#99	0.451	0.229	0.04	16.82	17.70	0.552	Battery 1#	/
Front Side	10mm	21350/2560	20M QPSK 50%RB#50	0.117	0.057	-0.16	17.17	17.70	0.132	Battery 1#	/
Back Side	10mm	21350/2560	20M QPSK 50%RB#50	0.164	0.080	0.09	17.17	17.70	0.185	Battery 1#	/
Left Side	10mm	21350/2560	20M QPSK 50%RB#50	0.119	0.044	-0.12	17.17	17.70	0.134	Battery 1#	/
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	**0.510**	0.259	-0.08	17.17	17.70	**0.576**	Battery 1#	Yes
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.441	0.225	-0.01	17.17	17.70	0.498	Battery 2#	/
Top Side	10mm	20850/2510	20M QPSK 50%RB#50	0.404	0.204	-0.19	16.93	17.70	0.482	Battery 2#	/
Top Side	10mm	21100/2535	20M QPSK 50%RB#50	0.419	0.216	-0.08	17.09	17.70	0.482	Battery 2#	/
Top Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	0.408	0.207	0.15	16.32	17.50	0.535	Battery 2#	/
		21152/2540.2(SCC)	20M QPSK 1RB#99								
Main Antenna											
Front Side	10mm	21350/2560	20M QPSK 1RB#99	0.167	0.084	0.18	21.28	22.20	0.206	Battery 1#	/
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.251	0.136	-0.16	21.28	22.20	0.310	Battery 1#	/
Right Side	10mm	21350/2560	20M QPSK 1RB#99	0.078	0.040	0.07	21.28	22.20	0.097	Battery 1#	/
Bottom Side	10mm	21350/2560	20M QPSK 1RB#99	0.441	0.218	-0.04	21.28	22.20	0.545	Battery 1#	/
Front Side	10mm	21100/2535	20M QPSK 50%RB#50	0.191	0.096	-0.08	21.41	22.20	0.229	Battery 1#	/
Back Side	10mm	21100/2535	20M QPSK 50%RB#50	0.266	0.144	0.02	21.41	22.20	0.319	Battery 1#	/
Right Side	10mm	21100/2535	20M QPSK 50%RB#50	0.085	0.043	-0.09	21.41	22.20	0.102	Battery 1#	/
Bottom Side	10mm	21100/2535	20M QPSK 50%RB#50	0.469	0.233	-0.11	21.41	22.20	0.563	Battery 1#	/
Bottom Side	10mm	21100/2535	20M QPSK 50%RB#50	0.466	0.232	0.03	21.41	22.20	0.559	Battery 2#	/
Bottom Side	10mm	20850/2510	20M QPSK 50%RB#50	0.444	0.223	-0.12	21.23	22.20	0.555	Battery 1#	/
Bottom Side	10mm	21350/2560	20M QPSK 50%RB#50	0.423	0.210	-0.07	21.39	22.20	0.510	Battery 1#	/
Bottom Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	**0.504**	0.250	0.12	21.00	22.00	**0.634**	Battery 1#	Yes
		21152/2540.2(SCC)	20M QPSK 1RB#99								

Table 164: Hotspot SAR test results of LTE Band 7

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	21350/2560	20M QPSK 1RB#99	0.092	0.047	0.15	16.82	20.20	0.201	Yes
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.180	0.091	-0.16	16.82	20.20	0.392	Yes
Left Side	10mm	21350/2560	20M QPSK 1RB#99	0.112	0.042	-0.08	16.82	20.20	0.244	Yes
Top Side	10mm	21350/2560	20M QPSK 1RB#99	0.451	0.229	0.04	16.82	20.20	0.982	Yes
Front Side	10mm	21350/2560	20M QPSK 50%RB#50	0.117	0.057	-0.16	17.17	20.20	0.235	Yes
Back Side	10mm	21350/2560	20M QPSK 50%RB#50	0.164	0.080	0.09	17.17	20.20	0.329	Yes
Left Side	10mm	21350/2560	20M QPSK 50%RB#50	0.119	0.044	-0.12	17.17	20.20	0.239	Yes
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	**0.510**	0.259	-0.08	17.17	20.20	1.025	Yes
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.441	0.225	-0.01	17.17	20.20	0.886	Yes
Top Side	10mm	20850/2510	20M QPSK 50%RB#50	0.404	0.204	-0.19	16.93	20.20	0.858	Yes
Top Side	10mm	21100/2535	20M QPSK 50%RB#50	0.419	0.216	-0.08	17.09	20.20	0.857	Yes
Top Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	0.408	0.207	0.15	16.32	20.20	0.997	Yes
		21152/2540.2(SCC)	20M QPSK 1RB#99							
Main Antenna										
Front Side	10mm	21350/2560	20M QPSK 1RB#99	0.167	0.084	0.18	21.28	24.70	0.367	Yes
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.251	0.136	-0.16	21.28	24.70	0.552	Yes
Right Side	10mm	21350/2560	20M QPSK 1RB#99	0.078	0.040	0.07	21.28	24.70	0.172	Yes
Bottom Side	10mm	21350/2560	20M QPSK 1RB#99	0.441	0.218	-0.04	21.28	24.70	0.969	Yes
Front Side	10mm	21100/2535	20M QPSK 50%RB#50	0.191	0.096	-0.08	21.41	23.70	0.324	Yes
Back Side	10mm	21100/2535	20M QPSK 50%RB#50	0.266	0.144	0.02	21.41	23.70	0.451	Yes
Right Side	10mm	21100/2535	20M QPSK 50%RB#50	0.085	0.043	-0.09	21.41	23.70	0.144	Yes
Bottom Side	10mm	21100/2535	20M QPSK 50%RB#50	0.469	0.233	-0.11	21.41	24.70	1.000	Yes
Bottom Side	10mm	21100/2535	20M QPSK 50%RB#50	0.466	0.232	0.03	21.41	24.70	0.994	Yes
Bottom Side	10mm	20850/2510	20M QPSK 50%RB#50	0.444	0.223	-0.12	21.23	24.70	0.987	Yes
Bottom Side	10mm	21350/2560	20M QPSK 50%RB#50	0.423	0.210	-0.07	21.39	24.70	0.906	Yes
Bottom Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	**0.504**	0.250	0.12	21.00	24.50	1.128	Yes
		21152/2540.2(SCC)	20M QPSK 1RB#99							

Table 165: Product Specific 10-g SAR test reduction evaluation of LTE Band 7

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

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7.2.10 SAR measurement Result of LTE Band 12

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	23095/707.5	10M QPSK 1RB#0	0.200	0.096	0.06	21.91	22.70	0.240	Battery 1#	/
Left tilt	23095/707.5	10M QPSK 1RB#0	0.156	0.075	0.16	21.91	22.70	0.187	Battery 1#	/
Right cheek	23095/707.5	10M QPSK 1RB#0	0.258	0.122	-0.05	21.91	22.70	0.309	Battery 1#	/
Right tilt	23095/707.5	10M QPSK 1RB#0	0.405	0.160	0.13	21.91	22.70	0.486	Battery 1#	/
Left cheek	23095/707.5	10M QPSK 50%RB#0	0.216	0.104	-0.05	21.87	22.70	0.261	Battery 1#	/
Left tilt	23095/707.5	10M QPSK 50%RB#0	0.167	0.080	-0.08	21.87	22.70	0.202	Battery 1#	/
Right cheek	23095/707.5	10M QPSK 50%RB#0	0.307	0.141	-0.05	21.87	22.70	0.372	Battery 1#	/
Right tilt	23095/707.5	10M QPSK 50%RB#0	0.279	0.119	0.05	21.87	22.70	0.338	Battery 1#	/
Right tilt	23095/707.5	10M QPSK 1RB#0	0.369	0.170	-0.03	21.91	22.70	0.443	Battery 2#	/
Right tilt	23060/704	10M QPSK 1RB#49	0.347	0.138	0.07	21.72	22.70	0.435	Battery 1#	/
Right tilt	23130/711	10M QPSK 1RB#49	**0.438**	0.174	-0.03	21.90	22.70	**0.527**	Battery 1#	Yes
Main Antenna										
Left cheek	23130/711	10M QPSK 1RB#49	**0.132**	0.086	-0.03	24.00	25.00	**0.166**	Battery 1#	Yes
Left tilt	23130/711	10M QPSK 1RB#49	0.055	0.039	0.18	24.00	25.00	0.069	Battery 1#	/
Right cheek	23130/711	10M QPSK 1RB#49	0.110	0.088	-0.14	24.00	25.00	0.138	Battery 1#	/
Right tilt	23130/711	10M QPSK 1RB#49	0.046	0.036	0.16	24.00	25.00	0.057	Battery 1#	/
Left cheek	23130/711	10M QPSK 50%RB#0	0.105	0.072	0.15	22.99	24.00	0.132	Battery 1#	/
Left tilt	23130/711	10M QPSK 50%RB#0	0.049	0.034	0.08	22.99	24.00	0.061	Battery 1#	/
Right cheek	23130/711	10M QPSK 50%RB#0	0.107	0.085	0.00	22.99	24.00	0.135	Battery 1#	/
Right tilt	23130/711	10M QPSK 50%RB#0	0.037	0.029	0.07	22.99	24.00	0.047	Battery 1#	/
Left cheek	23130/711	10M QPSK 1RB#49	0.124	0.079	0.02	24.00	25.00	0.156	Battery 2#	/
Left cheek	23060/704	10M QPSK 1RB#49	0.105	0.068	0.11	23.89	25.00	0.136	Battery 1#	/
Left cheek	23095/707.5	10M QPSK 1RB#49	0.111	0.071	0.05	23.93	25.00	0.142	Battery 1#	/

Table 166: Head SAR test results of LTE Band 12

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Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	23130/711	10M QPSK 1RB#49	0.078	0.052	0.02	23.69	24.70	0.099	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#49	**0.079**	0.055	-0.08	23.69	24.70	**0.100**	Battery 1#	Yes
Front Side	15mm	23095/707.5	10M QPSK 50%RB#25	0.047	0.032	-0.01	22.88	23.70	0.057	Battery 1#	/
Back Side	15mm	23095/707.5	10M QPSK 50%RB#25	0.054	0.037	-0.16	22.88	23.70	0.066	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#49	0.068	0.047	0.11	23.69	24.70	0.086	Battery 2#	/
Back Side	15mm	23060/704	10M QPSK 1RB#49	0.053	0.036	-0.03	23.44	24.70	0.071	Battery 1#	/
Back Side	15mm	23095/707.5	10M QPSK 1RB#0	0.037	0.025	-0.03	23.61	24.70	0.047	Battery 1#	/
Main Antenna											
Front Side	15mm	23130/711	10M QPSK 1RB#49	0.202	0.137	-0.09	24.00	25.00	0.254	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#49	**0.291**	0.204	-0.10	24.00	25.00	**0.366**	Battery 1#	Yes
Front Side	15mm	23130/711	10M QPSK 50%RB#0	0.174	0.118	-0.02	22.99	24.00	0.220	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 50%RB#0	0.218	0.156	-0.08	22.99	24.00	0.275	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#49	0.258	0.183	-0.10	24.00	25.00	0.325	Battery 2#	/
Back Side	15mm	23060/704	10M QPSK 1RB#49	0.281	0.178	-0.05	23.89	25.00	0.363	Battery 1#	/
Back Side	15mm	23095/707.5	10M QPSK 1RB#49	0.272	0.194	-0.10	23.93	25.00	0.348	Battery 1#	/

Table 167: Body-Worn SAR test results of LTE Band 12

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	23060/704	10M QPSK 1RB#49	0.084	0.047	-0.10	22.66	23.20	0.096	Battery 1#	/
Back Side	10mm	23060/704	10M QPSK 1RB#49	0.106	0.058	-0.08	22.66	23.20	0.120	Battery 1#	/
Left Side	10mm	23060/704	10M QPSK 1RB#49	0.030	0.021	-0.04	22.66	23.20	0.034	Battery 1#	/
Right Side	10mm	23060/704	10M QPSK 1RB#49	0.012	0.008	0.17	22.66	23.20	0.014	Battery 1#	/
Top Side	10mm	23060/704	10M QPSK 1RB#49	0.072	0.039	0.18	22.66	23.20	0.081	Battery 1#	/
Front Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.084	0.047	-0.03	22.64	23.20	0.096	Battery 1#	/
Back Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.097	0.054	-0.10	22.64	23.20	0.111	Battery 1#	/
Left Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.028	0.020	0.07	22.64	23.20	0.032	Battery 1#	/
Right Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.012	0.008	0.10	22.64	23.20	0.013	Battery 1#	/
Top Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.069	0.037	0.19	22.64	23.20	0.078	Battery 1#	/
Back Side	10mm	23060/704	10M QPSK 1RB#49	0.105	0.058	-0.01	22.66	23.20	0.119	Battery 2#	/
Back Side	10mm	23095/707.5	10M QPSK 1RB#0	0.093	0.059	-0.03	22.63	23.20	0.105	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 1RB#0	**0.125**	0.069	-0.02	22.62	23.20	**0.143**	Battery 1#	Yes
Main Antenna											
Front Side	10mm	23130/711	10M QPSK 1RB#49	0.347	0.228	-0.12	24.00	25.00	0.437	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 1RB#49	0.441	0.260	-0.09	24.00	25.00	0.555	Battery 1#	/
Left Side	10mm	23130/711	10M QPSK 1RB#49	**0.456**	0.239	0.05	24.00	25.00	**0.574**	Battery 1#	Yes
Bottom Side	10mm	23130/711	10M QPSK 1RB#49	0.142	0.091	-0.05	24.00	25.00	0.179	Battery 1#	/
Front Side	10mm	23130/711	10M QPSK 50%RB#0	0.312	0.205	0.06	22.99	24.00	0.394	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 50%RB#0	0.400	0.269	-0.06	22.99	24.00	0.505	Battery 1#	/
Left Side	10mm	23130/711	10M QPSK 50%RB#0	0.388	0.236	0.09	22.99	24.00	0.490	Battery 1#	/
Bottom Side	10mm	23130/711	10M QPSK 50%RB#0	0.123	0.078	0.00	22.99	24.00	0.155	Battery 1#	/
Left Side	10mm	23130/711	10M QPSK 1RB#49	0.387	0.203	-0.11	24.00	25.00	0.487	Battery 2#	/
Left Side	10mm	23060/704	10M QPSK 1RB#49	0.402	0.211	0.13	23.89	25.00	0.519	Battery 1#	/
Left Side	10mm	23095/707.5	10M QPSK 1RB#49	0.391	0.204	-0.04	23.93	25.00	0.500	Battery 1#	/

Table 168: Hotspot SAR test results of LTE Band 12

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	23060/704	10M QPSK 1RB#49	0.084	0.047	-0.10	22.66	24.70	0.135	Yes
Back Side	10mm	23060/704	10M QPSK 1RB#49	0.106	0.058	-0.08	22.66	24.70	0.170	Yes
Left Side	10mm	23060/704	10M QPSK 1RB#49	0.030	0.021	-0.04	22.66	24.70	0.048	Yes
Right Side	10mm	23060/704	10M QPSK 1RB#49	0.012	0.008	0.17	22.66	24.70	0.019	Yes
Top Side	10mm	23060/704	10M QPSK 1RB#49	0.072	0.039	0.18	22.66	24.70	0.114	Yes
Front Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.084	0.047	-0.03	22.64	23.70	0.107	Yes
Back Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.097	0.054	-0.10	22.64	23.70	0.124	Yes
Left Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.028	0.020	0.07	22.64	23.70	0.036	Yes
Right Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.012	0.008	0.10	22.64	23.70	0.015	Yes
Top Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.069	0.037	0.19	22.64	23.70	0.087	Yes
Back Side	10mm	23060/704	10M QPSK 1RB#49	0.105	0.058	-0.01	22.66	24.70	0.168	Yes
Back Side	10mm	23095/707.5	10M QPSK 1RB#0	0.093	0.059	-0.03	22.63	24.70	0.149	Yes
Back Side	10mm	23130/711	10M QPSK 1RB#0	**0.125**	0.069	-0.02	22.62	24.70	0.202	Yes
Main Antenna										
Front Side	10mm	23130/711	10M QPSK 1RB#49	0.347	0.228	-0.12	24.00	25.00	0.437	Yes
Back Side	10mm	23130/711	10M QPSK 1RB#49	0.441	0.260	-0.09	24.00	25.00	0.555	Yes
Left Side	10mm	23130/711	10M QPSK 1RB#49	**0.456**	0.239	0.05	24.00	25.00	0.574	Yes
Bottom Side	10mm	23130/711	10M QPSK 1RB#49	0.142	0.091	-0.05	24.00	25.00	0.179	Yes
Front Side	10mm	23130/711	10M QPSK 50%RB#0	0.312	0.205	0.06	22.99	24.00	0.394	Yes
Back Side	10mm	23130/711	10M QPSK 50%RB#0	0.400	0.269	-0.06	22.99	24.00	0.505	Yes
Left Side	10mm	23130/711	10M QPSK 50%RB#0	0.388	0.236	0.09	22.99	24.00	0.490	Yes
Bottom Side	10mm	23130/711	10M QPSK 50%RB#0	0.123	0.078	0.00	22.99	24.00	0.155	Yes
Left Side	10mm	23130/711	10M QPSK 1RB#49	0.387	0.203	-0.11	24.00	25.00	0.487	Yes
Left Side	10mm	23060/704	10M QPSK 1RB#49	0.402	0.211	0.13	23.89	25.00	0.519	Yes
Left Side	10mm	23095/707.5	10M QPSK 1RB#49	0.391	0.204	-0.04	23.93	25.00	0.500	Yes

Table 169: Product Specific 10-g SAR test reduction evaluation of LTE Band 12

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

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7.2.11 SAR measurement Result of LTE Band 17

SAR for **LTE Band 17 Main Antenna**(Frequency range:704-716 MHz) is covered by LTE Band 12 (Frequency range:699-716 MHz) due to similar frequency range,same maximum tune up limit and same channel bandwidth.

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	23780/709	10M QPSK 1RB#0	0.316	0.183	-0.07	22.10	22.70	0.363	Battery 1#	/
Left tilt	23780/709	10M QPSK 1RB#0	0.291	0.170	-0.11	22.10	22.70	0.334	Battery 1#	/
Right cheek	23780/709	10M QPSK 1RB#0	0.284	0.133	-0.03	22.10	22.70	0.326	Battery 1#	/
Right tilt	23780/709	10M QPSK 1RB#0	0.343	0.141	-0.09	22.10	22.70	0.394	Battery 1#	/
Left cheek	23780/709	10M QPSK 50%RB#0	0.339	0.197	-0.06	22.12	22.70	0.387	Battery 1#	/
Left tilt	23780/709	10M QPSK 50%RB#0	0.309	0.180	-0.15	22.12	22.70	0.353	Battery 1#	/
Right cheek	23780/709	10M QPSK 50%RB#0	0.307	0.143	-0.07	22.12	22.70	0.351	Battery 1#	/
Right tilt	23780/709	10M QPSK 50%RB#0	**0.370**	0.152	-0.10	22.12	22.70	**0.423**	Battery 1#	Yes
Right tilt	23780/709	10M QPSK 50%RB#0	0.304	0.141	-0.19	22.12	22.70	0.347	Battery 2#	/
Right tilt	23790/710	10M QPSK 50%RB#0	0.329	0.153	-0.19	22.11	22.70	0.377	Battery 1#	/
Right tilt	23800/711	10M QPSK 50%RB#0	0.323	0.151	-0.09	22.08	22.70	0.373	Battery 1#	/

Table 170: Head SAR test results of LTE Band 17

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	23800/711	10M QPSK 1RB#49	0.054	0.038	0.02	24.05	24.70	0.062	Battery 1#	/
Back Side	15mm	23800/711	10M QPSK 1RB#49	**0.059**	0.043	-0.12	24.05	24.70	**0.069**	Battery 1#	Yes
Front Side	15mm	23790/710	10M QPSK 50%RB#0	0.035	0.023	-0.18	23.13	23.70	0.039	Battery 1#	/
Back Side	15mm	23790/710	10M QPSK 50%RB#0	0.038	0.026	0.01	23.13	23.70	0.043	Battery 1#	/
Back Side	15mm	23800/711	10M QPSK 1RB#49	0.057	0.042	-0.01	24.05	24.70	0.066	Battery 2#	/
Back Side	15mm	23780/709	10M QPSK 1RB#49	0.038	0.014	-0.05	23.82	24.70	0.046	Battery 1#	/
Back Side	15mm	23790/710	10M QPSK 1RB#49	0.049	0.036	-0.17	23.92	24.70	0.059	Battery 1#	/

Table 171: Body-Worn SAR test results of LTE Band 17

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	23800/711	10M QPSK 1RB#49	0.109	0.061	0.13	24.05	24.70	0.126	Battery 1#	/
Back Side	10mm	23800/711	10M QPSK 1RB#49	0.114	0.066	-0.05	24.05	24.70	0.132	Battery 1#	/
Left Side	10mm	23800/711	10M QPSK 1RB#49	0.039	0.026	-0.02	24.05	24.70	0.045	Battery 1#	/
Right Side	10mm	23800/711	10M QPSK 1RB#49	0.017	0.011	-0.16	24.05	24.70	0.020	Battery 1#	/
Top Side	10mm	23800/711	10M QPSK 1RB#49	0.090	0.043	-0.06	24.05	24.70	0.104	Battery 1#	/
Front Side	10mm	23790/710	10M QPSK 50%RB#0	0.071	0.044	-0.12	23.13	23.70	0.081	Battery 1#	/
Back Side	10mm	23790/710	10M QPSK 50%RB#0	0.075	0.047	-0.06	23.13	23.70	0.086	Battery 1#	/
Left Side	10mm	23790/710	10M QPSK 50%RB#0	0.020	0.013	-0.02	23.13	23.70	0.023	Battery 1#	/
Right Side	10mm	23790/710	10M QPSK 50%RB#0	0.009	0.006	-0.17	23.13	23.70	0.011	Battery 1#	/
Top Side	10mm	23790/710	10M QPSK 50%RB#0	0.051	0.025	-0.07	23.13	23.70	0.058	Battery 1#	/
Back Side	10mm	23800/711	10M QPSK 1RB#49	**0.121**	0.070	-0.02	24.05	24.70	**0.140**	Battery 2#	Yes
Back Side	10mm	23780/709	10M QPSK 1RB#49	0.096	0.056	0.01	23.82	24.70	0.117	Battery 2#	/
Back Side	10mm	23790/710	10M QPSK 1RB#49	0.115	0.067	0.01	23.92	24.70	0.138	Battery 2#	/

Table 172: Hotspot SAR test results of LTE Band 17

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	23800/711	10M QPSK 1RB#49	0.109	0.061	0.13	24.05	24.70	0.126	Yes
Back Side	10mm	23800/711	10M QPSK 1RB#49	0.114	0.066	-0.05	24.05	24.70	0.132	Yes
Left Side	10mm	23800/711	10M QPSK 1RB#49	0.039	0.026	-0.02	24.05	24.70	0.045	Yes
Right Side	10mm	23800/711	10M QPSK 1RB#49	0.017	0.011	-0.16	24.05	24.70	0.020	Yes
Top Side	10mm	23800/711	10M QPSK 1RB#49	0.090	0.043	-0.06	24.05	24.70	0.104	Yes
Front Side	10mm	23790/710	10M QPSK 50%RB#0	0.071	0.044	-0.12	23.13	23.70	0.081	Yes
Back Side	10mm	23790/710	10M QPSK 50%RB#0	0.075	0.047	-0.06	23.13	23.70	0.086	Yes
Left Side	10mm	23790/710	10M QPSK 50%RB#0	0.020	0.013	-0.02	23.13	23.70	0.023	Yes
Right Side	10mm	23790/710	10M QPSK 50%RB#0	0.009	0.006	-0.17	23.13	23.70	0.011	Yes
Top Side	10mm	23790/710	10M QPSK 50%RB#0	0.051	0.025	-0.07	23.13	23.70	0.058	Yes
Back Side	10mm	23800/711	10M QPSK 1RB#49	**0.121**	0.070	-0.02	24.05	24.70	0.140	Yes
Back Side	10mm	23780/709	10M QPSK 1RB#49	0.096	0.056	0.01	23.82	24.70	0.117	Yes
Back Side	10mm	23790/710	10M QPSK 1RB#49	0.115	0.067	0.01	23.92	24.70	0.138	Yes

Table 173: Product Specific 10-g SAR test reduction evaluation of LTE Band 17

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg

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7.2.12 SAR measurement Result of LTE Band 26

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	26965/841.5	15M QPSK 1RB#74	0.307	0.150	0.15	18.27	19.40	0.398	Battery 1#	/
Left tilt	26965/841.5	15M QPSK 1RB#74	0.253	0.123	-0.12	18.27	19.40	0.328	Battery 1#	/
Right cheek	26965/841.5	15M QPSK 1RB#74	**0.375**	0.191	-0.02	18.27	19.40	**0.486**	Battery 1#	Yes
Right tilt	26965/841.5	15M QPSK 1RB#74	0.365	0.219	-0.04	18.27	19.40	0.473	Battery 1#	/
Left cheek	26865/831.5	15M QPSK 50%RB#0	0.229	0.132	0.08	18.35	19.40	0.292	Battery 1#	/
Left tilt	26865/831.5	15M QPSK 50%RB#0	0.210	0.121	-0.10	18.35	19.40	0.267	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 50%RB#0	0.358	0.217	-0.02	18.35	19.40	0.456	Battery 1#	/
Right tilt	26865/831.5	15M QPSK 50%RB#0	0.320	0.192	-0.03	18.35	19.40	0.408	Battery 1#	/
Right cheek	26965/841.5	15M QPSK 1RB#74	0.322	0.170	-0.01	18.27	19.40	0.418	Battery 2#	/
Right cheek	26765/821.5	15M QPSK 1RB#38	0.221	0.115	-0.12	18.22	19.40	0.290	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 1RB#38	0.313	0.164	-0.09	18.25	19.40	0.408	Battery 1#	/
Main Antenna										
Left cheek	26865/831.5	15M QPSK 1RB#0	0.108	0.070	0.08	23.93	25.20	0.145	Battery 1#	/
Left tilt	26865/831.5	15M QPSK 1RB#0	0.070	0.054	-0.04	23.93	25.20	0.094	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 1RB#0	**0.142**	0.112	0.14	23.93	25.20	**0.190**	Battery 1#	Yes
Right tilt	26865/831.5	15M QPSK 1RB#0	0.064	0.050	0.08	23.93	25.20	0.086	Battery 1#	/
Left cheek	26865/831.5	15M QPSK 50%RB#18	0.082	0.053	0.18	22.85	24.20	0.112	Battery 1#	/
Left tilt	26865/831.5	15M QPSK 50%RB#18	0.047	0.036	0.07	22.85	24.20	0.065	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 50%RB#18	0.103	0.081	0.05	22.85	24.20	0.141	Battery 1#	/
Right tilt	26865/831.5	15M QPSK 50%RB#18	0.048	0.038	0.02	22.85	24.20	0.065	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 1RB#0	0.138	0.108	0.05	23.93	25.20	0.185	Battery 2#	/
Right cheek	26765/821.5	15M QPSK 1RB#0	0.124	0.097	0.10	23.91	25.20	0.167	Battery 1#	/
Right cheek	26965/841.5	15M QPSK 1RB#0	0.126	0.099	0.06	23.86	25.20	0.172	Battery 1#	/

Table 174: Head SAR test results of LTE Band 26

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Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	26765/821.5	15M QPSK 1RB#74	0.097	0.064	-0.11	23.69	24.90	0.128	Battery 1#	/
Back Side	15mm	26765/821.5	15M QPSK 1RB#74	0.109	0.079	-0.14	23.69	24.90	0.144	Battery 1#	/
Front Side	15mm	26965/841.5	15M QPSK 50%RB#18	0.096	0.064	-0.14	22.89	23.90	0.121	Battery 1#	/
Back Side	15mm	26965/841.5	15M QPSK 50%RB#18	**0.122**	0.088	-0.10	22.89	23.90	**0.154**	Battery 1#	Yes
Back Side	15mm	26965/841.5	15M QPSK 50%RB#18	0.119	0.087	-0.08	22.89	23.90	0.150	Battery 2#	/
Back Side	15mm	26765/821.5	15M QPSK 50%RB#0	0.073	0.053	-0.18	22.54	23.90	0.099	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 50%RB#39	0.109	0.079	-0.12	22.81	23.90	0.140	Battery 1#	/
Main Antenna											
Front Side	15mm	26865/831.5	15M QPSK 1RB#0	0.212	0.169	-0.05	23.93	25.20	0.284	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 1RB#0	0.292	0.220	-0.05	23.93	25.20	0.391	Battery 1#	/
Front Side	15mm	26865/831.5	15M QPSK 50%RB#18	0.166	0.114	-0.03	22.85	24.20	0.227	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 50%RB#18	0.214	0.146	-0.05	22.85	24.20	0.292	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 1RB#0	**0.304**	0.230	-0.07	23.93	25.20	**0.407**	Battery 2#	Yes
Back Side	15mm	26765/821.5	15M QPSK 1RB#0	0.286	0.216	-0.06	23.91	25.20	0.385	Battery 2#	/
Back Side	15mm	26965/841.5	15M QPSK 1RB#0	0.288	0.218	-0.06	23.86	25.20	0.392	Battery 2#	/

Table 175: Body-Worn SAR test results of LTE Band 26

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	26865/831.5	15M QPSK 1RB#38	0.122	0.074	-0.09	21.13	21.90	0.146	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 1RB#38	0.125	0.073	-0.13	21.13	21.90	0.149	Battery 1#	/
Left Side	10mm	26865/831.5	15M QPSK 1RB#38	0.068	0.045	-0.12	21.13	21.90	0.082	Battery 1#	/
Right Side	10mm	26865/831.5	15M QPSK 1RB#38	0.007	0.005	-0.16	21.13	21.90	0.008	Battery 1#	/
Top Side	10mm	26865/831.5	15M QPSK 1RB#38	0.078	0.043	-0.01	21.13	21.90	0.093	Battery 1#	/
Front Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.127	0.071	-0.15	21.15	21.90	0.151	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.134	0.079	-0.18	21.15	21.90	0.159	Battery 1#	/
Left Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.074	0.048	-0.15	21.15	21.90	0.087	Battery 1#	/
Right Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.009	0.006	-0.19	21.15	21.90	0.011	Battery 1#	/
Top Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.083	0.047	-0.05	21.15	21.90	0.098	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.165	0.084	-0.16	21.15	21.90	0.196	Battery 2#	/
Back Side	10mm	26765/821.5	15M QPSK 50%RB#39	0.116	0.067	-0.10	20.96	21.90	0.144	Battery 2#	/
Back Side	10mm	26965/841.5	15M QPSK 50%RB#39	**0.166**	0.096	-0.10	20.92	21.90	**0.208**	Battery 2#	Yes
Main Antenna											
Front Side	10mm	26865/831.5	15M QPSK 1RB#0	0.328	0.216	-0.16	23.93	25.20	0.439	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	**0.437**	0.324	-0.05	23.93	25.20	**0.585**	Battery 1#	Yes
Left Side	10mm	26865/831.5	15M QPSK 1RB#0	0.306	0.175	-0.19	23.93	25.20	0.410	Battery 1#	/
Bottom Side	10mm	26865/831.5	15M QPSK 1RB#0	0.239	0.152	-0.12	23.93	25.20	0.320	Battery 1#	/
Front Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.257	0.166	-0.17	22.85	24.20	0.351	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.358	0.231	-0.13	22.85	24.20	0.489	Battery 1#	/
Left Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.255	0.144	-0.19	22.85	24.20	0.348	Battery 1#	/
Bottom Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.187	0.121	-0.13	22.85	24.20	0.255	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.421	0.258	-0.06	23.93	25.20	0.564	Battery 2#	/
Back Side	10mm	26765/821.5	15M QPSK 1RB#0	0.406	0.300	-0.05	23.91	25.20	0.546	Battery 1#	/
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.410	0.263	-0.14	23.86	25.20	0.558	Battery 1#	/

Table 176: Hotspot SAR test results of LTE Band 26

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	26865/831.5	15M QPSK 1RB#38	0.122	0.074	-0.09	21.13	24.90	0.290	Yes
Back Side	10mm	26865/831.5	15M QPSK 1RB#38	0.125	0.073	-0.13	21.13	24.90	0.298	Yes
Left Side	10mm	26865/831.5	15M QPSK 1RB#38	0.068	0.045	-0.12	21.13	24.90	0.163	Yes
Right Side	10mm	26865/831.5	15M QPSK 1RB#38	0.007	0.005	-0.16	21.13	24.90	0.017	Yes
Top Side	10mm	26865/831.5	15M QPSK 1RB#38	0.078	0.043	-0.01	21.13	24.90	0.185	Yes
Front Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.127	0.071	-0.15	21.15	23.90	0.239	Yes
Back Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.134	0.079	-0.18	21.15	23.90	0.253	Yes
Left Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.074	0.048	-0.15	21.15	23.90	0.139	Yes
Right Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.009	0.006	-0.19	21.15	23.90	0.017	Yes
Top Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.083	0.047	-0.05	21.15	23.90	0.156	Yes
Back Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.165	0.084	-0.16	21.15	23.90	0.311	Yes
Back Side	10mm	26765/821.5	15M QPSK 50%RB#39	0.116	0.067	-0.10	20.96	23.90	0.228	Yes
Back Side	10mm	26965/841.5	15M QPSK 50%RB#39	**0.166**	0.096	-0.10	20.92	23.90	0.330	Yes
Main Antenna										
Front Side	10mm	26865/831.5	15M QPSK 1RB#0	0.328	0.216	-0.16	23.93	25.20	0.439	Yes
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	**0.437**	0.324	-0.05	23.93	25.20	0.585	Yes
Left Side	10mm	26865/831.5	15M QPSK 1RB#0	0.306	0.175	-0.19	23.93	25.20	0.410	Yes
Bottom Side	10mm	26865/831.5	15M QPSK 1RB#0	0.239	0.152	-0.12	23.93	25.20	0.320	Yes
Front Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.257	0.166	-0.17	22.85	24.20	0.351	Yes
Back Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.358	0.231	-0.13	22.85	24.20	0.489	Yes
Left Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.255	0.144	-0.19	22.85	24.20	0.348	Yes
Bottom Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.187	0.121	-0.13	22.85	24.20	0.255	Yes
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.421	0.258	-0.06	23.93	25.20	0.564	Yes
Back Side	10mm	26765/821.5	15M QPSK 1RB#0	0.406	0.300	-0.05	23.91	25.20	0.546	Yes
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.410	0.263	-0.14	23.86	25.20	0.558	Yes

Table 177: Product Specific 10-g SAR test reduction evaluation of LTE Band 26

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

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7.2.13 SAR measurement Result of LTE Band 38

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	37850/2580	20M QPSK 1RB#99	0.121	0.056	-0.15	14.81	16.00	0.159	Battery 1#	/
Left tilt	37850/2580	20M QPSK 1RB#99	0.156	0.073	-0.12	14.81	16.00	0.205	Battery 1#	/
Right cheek	37850/2580	20M QPSK 1RB#99	0.266	0.134	-0.19	14.81	16.00	0.350	Battery 1#	/
Right tilt	37850/2580	20M QPSK 1RB#99	0.319	0.145	-0.11	14.81	16.00	0.420	Battery 1#	/
Left cheek	37850/2580	20M QPSK 50%RB#0	0.132	0.061	-0.16	14.93	16.00	0.169	Battery 1#	/
Left tilt	37850/2580	20M QPSK 50%RB#0	0.166	0.078	-0.07	14.93	16.00	0.212	Battery 1#	/
Right cheek	37850/2580	20M QPSK 50%RB#0	0.289	0.144	-0.17	14.93	16.00	0.370	Battery 1#	/
Right tilt	37850/2580	20M QPSK 50%RB#0	**0.344**	0.159	-0.14	14.93	16.00	**0.440**	Battery 1#	Yes
Right tilt	37850/2580	20M QPSK 50%RB#0	0.248	0.120	-0.17	14.93	16.00	0.317	Battery 2#	/
Right tilt	38000/2595	20M QPSK 50%RB#0	0.262	0.133	-0.08	14.89	16.00	0.338	Battery 1#	/
Right tilt	38150/2610	20M QPSK 50%RB#0	0.267	0.136	-0.19	14.91	16.00	0.343	Battery 1#	/
Right tilt	38150/2610(PCC)	20M QPSK 1RB#0	0.229	0.097	0.06	14.92	16.00	0.294	Battery 1#	/
	37952/2590.2(SCC)	20M QPSK 1RB#99								
Main Antenna										
Left cheek	37850/2580	20M QPSK 1RB#50	0.052	0.027	0.17	24.08	25.00	0.064	Battery 1#	/
Left tilt	37850/2580	20M QPSK 1RB#50	0.044	0.022	-0.19	24.08	25.00	0.054	Battery 1#	/
Right cheek	37850/2580	20M QPSK 1RB#50	**0.129**	0.071	0.10	24.08	25.00	**0.159**	Battery 1#	Yes
Right tilt	37850/2580	20M QPSK 1RB#50	0.024	0.011	-0.14	24.08	25.00	0.029	Battery 1#	/
Left cheek	38000/2595	20M QPSK 50%RB#25	0.046	0.024	-0.18	23.23	24.00	0.055	Battery 1#	/
Left tilt	38000/2595	20M QPSK 50%RB#25	0.041	0.020	-0.11	23.23	24.00	0.048	Battery 1#	/
Right cheek	38000/2595	20M QPSK 50%RB#25	0.074	0.038	-0.18	23.23	24.00	0.089	Battery 1#	/
Right tilt	38000/2595	20M QPSK 50%RB#25	0.022	0.011	-0.11	23.23	24.00	0.026	Battery 1#	/
Right cheek	37850/2580	20M QPSK 1RB#50	0.084	0.044	-0.10	24.08	25.00	0.104	Battery 2#	/
Right cheek	38000/2595	20M QPSK 1RB#0	0.064	0.035	-0.15	23.92	25.00	0.082	Battery 1#	/
Right cheek	38150/2610	20M QPSK 1RB#0	0.062	0.033	-0.17	23.93	25.00	0.079	Battery 1#	/
Right cheek	37850/2580(PCC)	20M QPSK 1RB#99	0.070	0.035	-0.03	23.01	25.00	0.111	Battery 1#	/
	38048/2599.8(SCC)	20M QPSK 1RB#0								

Table 178: Head SAR test results of LTE Band 38

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Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	37850/2580	20M QPSK 1RB#50	0.085	0.047	-0.09	21.74	23.00	0.114	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 1RB#50	0.094	0.056	-0.19	21.74	23.00	0.126	Battery 1#	/
Front Side	15mm	38150/2610	20M QPSK 50%RB#50	0.099	0.055	-0.07	22.03	23.00	0.124	Battery 1#	/
Back Side	15mm	38150/2610	20M QPSK 50%RB#50	**0.117**	0.067	-0.07	22.03	23.00	0.146	Battery 1#	Yes
Back Side	15mm	38150/2610	20M QPSK 50%RB#50	0.088	0.052	-0.19	22.03	23.00	0.110	Battery 2#	/
Back Side	15mm	37850/2580	20M QPSK 50%RB#50	0.084	0.047	-0.11	22.02	23.00	0.105	Battery 1#	/
Back Side	15mm	38000/2595	20M QPSK 50%RB#50	0.090	0.050	-0.14	22.00	23.00	0.114	Battery 1#	/
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.114	0.057	0.00	21.72	23.00	**0.153**	Battery 1#	/
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Main Antenna											
Front Side	15mm	37850/2580	20M QPSK 1RB#50	0.085	0.047	0.03	24.08	25.00	0.105	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 1RB#50	0.157	0.086	-0.13	24.08	25.00	0.194	Battery 1#	/
Front Side	15mm	38000/2595	20M QPSK 50%RB#25	0.082	0.045	0.03	23.23	24.00	0.098	Battery 1#	/
Back Side	15mm	38000/2595	20M QPSK 50%RB#25	0.142	0.078	-0.09	23.23	24.00	0.170	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 1RB#50	0.153	0.084	-0.10	24.08	25.00	0.189	Battery 2#	/
Back Side	15mm	38000/2595	20M QPSK 1RB#0	**0.160**	0.088	0.02	23.92	25.00	0.205	Battery 1#	Yes
Back Side	15mm	38150/2610	20M QPSK 1RB#0	0.159	0.087	0.11	23.93	25.00	0.203	Battery 1#	/
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.158	0.087	-0.10	23.01	25.00	**0.250**	Battery 1#	/
		38048/2599.8(SCC)	20M QPSK 1RB#0								

Table 179: Body-Worn SAR test results of LTE Band 38

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	38150/2610	20M QPSK 1RB#99	0.127	0.065	-0.12	20.44	21.50	0.162	Battery 1#	/
Back Side	10mm	38150/2610	20M QPSK 1RB#99	0.238	0.116	0.12	20.44	21.50	0.304	Battery 1#	/
Left Side	10mm	38150/2610	20M QPSK 1RB#99	0.127	0.046	0.19	20.44	21.50	0.162	Battery 1#	/
Top Side	10mm	38150/2610	20M QPSK 1RB#99	0.232	0.120	-0.06	20.44	21.50	0.296	Battery 1#	/
Front Side	10mm	38150/2610	20M QPSK 50%RB#0	0.127	0.064	-0.06	20.64	21.50	0.155	Battery 1#	/
Back Side	10mm	38150/2610	20M QPSK 50%RB#0	0.264	0.125	-0.01	20.64	21.50	0.322	Battery 1#	/
Left Side	10mm	38150/2610	20M QPSK 50%RB#0	0.150	0.056	-0.05	20.64	21.50	0.183	Battery 1#	/
Top Side	10mm	38150/2610	20M QPSK 50%RB#0	0.278	0.142	0.01	20.64	21.50	0.339	Battery 1#	/
Top Side	10mm	38150/2610	20M QPSK 50%RB#0	0.285	0.143	-0.11	20.64	21.50	0.347	Battery 2#	/
Top Side	10mm	37850/2580	20M QPSK 50%RB#0	0.257	0.129	-0.07	20.58	21.50	0.318	Battery 2#	/
Top Side	10mm	38000/2595	20M QPSK 50%RB#0	0.270	0.135	-0.06	20.51	21.50	0.339	Battery 2#	/
Top Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	**0.320**	0.163	-0.01	20.26	21.50	**0.426**	Battery 2#	Yes
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Main Antenna											
Front Side	10mm	37850/2580	20M QPSK 1RB#50	0.109	0.056	-0.13	22.15	23.00	0.133	Battery 1#	/
Back Side	10mm	37850/2580	20M QPSK 1RB#50	0.197	0.104	0.04	22.15	23.00	0.240	Battery 1#	/
Right Side	10mm	37850/2580	20M QPSK 1RB#50	0.049	0.025	-0.05	22.15	23.00	0.060	Battery 1#	/
Bottom Side	10mm	37850/2580	20M QPSK 1RB#50	0.295	0.143	0.03	22.15	23.00	0.359	Battery 1#	/
Front Side	10mm	37850/2580	20M QPSK 50%RB#0	0.111	0.056	-0.17	22.39	23.00	0.128	Battery 1#	/
Back Side	10mm	37850/2580	20M QPSK 50%RB#0	0.223	0.117	-0.04	22.39	23.00	0.257	Battery 1#	/
Right Side	10mm	37850/2580	20M QPSK 50%RB#0	0.054	0.027	0.15	22.39	23.00	0.062	Battery 1#	/
Bottom Side	10mm	37850/2580	20M QPSK 50%RB#0	0.310	0.150	0.04	22.39	23.00	0.357	Battery 1#	/
Bottom Side	10mm	37850/2580	20M QPSK 50%RB#0	0.345	0.171	-0.11	22.39	23.00	0.397	Battery 2#	/
Bottom Side	10mm	38000/2595	20M QPSK 50%RB#0	0.331	0.163	-0.19	22.31	23.00	0.388	Battery 2#	/
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#0	0.301	0.149	-0.10	22.28	23.00	0.355	Battery 2#	/
Bottom Side	10mm	38150/2610(PCC)	20M QPSK 1RB#0	**0.388**	0.150	0.00	21.20	23.00	**0.587**	Battery 2#	Yes
		37952/2590.2(SCC)	20M QPSK 1RB#99								

Table 180: Hotspot SAR test results of LTE Band 38

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	38150/2610	20M QPSK 1RB#99	0.127	0.065	-0.12	20.44	23.00	0.229	Yes
Back Side	10mm	38150/2610	20M QPSK 1RB#99	0.238	0.116	0.12	20.44	23.00	0.429	Yes
Left Side	10mm	38150/2610	20M QPSK 1RB#99	0.127	0.046	0.19	20.44	23.00	0.229	Yes
Top Side	10mm	38150/2610	20M QPSK 1RB#99	0.232	0.120	-0.06	20.44	23.00	0.418	Yes
Front Side	10mm	38150/2610	20M QPSK 50%RB#0	0.127	0.064	-0.06	20.64	23.00	0.219	Yes
Back Side	10mm	38150/2610	20M QPSK 50%RB#0	0.264	0.125	-0.01	20.64	23.00	0.455	Yes
Left Side	10mm	38150/2610	20M QPSK 50%RB#0	0.150	0.056	-0.05	20.64	23.00	0.258	Yes
Top Side	10mm	38150/2610	20M QPSK 50%RB#0	0.278	0.142	0.01	20.64	23.00	0.479	Yes
Top Side	10mm	38150/2610	20M QPSK 50%RB#0	0.285	0.143	-0.11	20.64	23.00	0.491	Yes
Top Side	10mm	37850/2580	20M QPSK 50%RB#0	0.257	0.129	-0.07	20.58	23.00	0.449	Yes
Top Side	10mm	38000/2595	20M QPSK 50%RB#0	0.270	0.135	-0.06	20.51	23.00	0.479	Yes
Top Side	10mm	37850/2580(PCC) 38048/2599.8(SCC)	20M QPSK 1RB#99 20M QPSK 1RB#0	**0.320**	0.163	-0.01	20.26	23.00	0.601	Yes
Main Antenna										
Front Side	10mm	37850/2580	20M QPSK 1RB#50	0.109	0.056	-0.13	22.15	25.00	0.210	Yes
Back Side	10mm	37850/2580	20M QPSK 1RB#50	0.197	0.104	0.04	22.15	25.00	0.380	Yes
Right Side	10mm	37850/2580	20M QPSK 1RB#50	0.049	0.025	-0.05	22.15	25.00	0.095	Yes
Bottom Side	10mm	37850/2580	20M QPSK 1RB#50	0.295	0.143	0.03	22.15	25.00	0.569	Yes
Front Side	10mm	37850/2580	20M QPSK 50%RB#0	0.111	0.056	-0.17	22.39	24.00	0.161	Yes
Back Side	10mm	37850/2580	20M QPSK 50%RB#0	0.223	0.117	-0.04	22.39	24.00	0.323	Yes
Right Side	10mm	37850/2580	20M QPSK 50%RB#0	0.054	0.027	0.15	22.39	24.00	0.078	Yes
Bottom Side	10mm	37850/2580	20M QPSK 50%RB#0	0.310	0.150	0.04	22.39	24.00	0.449	Yes
Bottom Side	10mm	37850/2580	20M QPSK 50%RB#0	0.345	0.171	-0.11	22.39	24.00	0.500	Yes
Bottom Side	10mm	38000/2595	20M QPSK 50%RB#0	0.331	0.163	-0.19	22.31	24.00	0.488	Yes
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#0	0.301	0.149	-0.10	22.28	24.00	0.447	Yes
Bottom Side	10mm	38150/2610(PCC) 37952/2590.2(SCC)	20M QPSK 1RB#0 20M QPSK 1RB#99	**0.388**	0.150	0.00	21.20	25.00	0.931	Yes

Table 181: Product Specific 10-g SAR test reduction evaluation of LTE Band 38

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

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7.2.14 SAR measurement Result of LTE Band 41

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g				Result(W/kg)		
Second Antenna										
Left cheek	40140/2545	20M QPSK 1RB#0	0.086	0.040	0.05	14.88	16.20	0.116	Battery 1#	/
Left tilt	40140/2545	20M QPSK 1RB#0	0.106	0.052	0.02	14.88	16.20	0.144	Battery 1#	/
Right cheek	40140/2545	20M QPSK 1RB#0	0.208	0.093	-0.05	14.88	16.20	0.282	Battery 1#	/
Right tilt	40140/2545	20M QPSK 1RB#0	**0.308**	0.126	-0.05	14.88	16.20	**0.417**	Battery 1#	Yes
Left cheek	41140/2645	20M QPSK 50%RB#25	0.123	0.057	0.16	15.12	16.20	0.158	Battery 1#	/
Left tilt	41140/2645	20M QPSK 50%RB#25	0.101	0.049	0.07	15.12	16.20	0.130	Battery 1#	/
Right cheek	41140/2645	20M QPSK 50%RB#25	0.256	0.106	-0.10	15.12	16.20	0.328	Battery 1#	/
Right tilt	41140/2645	20M QPSK 50%RB#25	0.206	0.104	-0.19	15.12	16.20	0.264	Battery 1#	/
Right tilt	40140/2545	20M QPSK 1RB#0	0.253	0.103	0.06	14.88	16.20	0.343	Battery 2#	/
Right tilt	40473/2578.3	20M QPSK 1RB#0	0.285	0.118	0.08	14.83	16.20	0.391	Battery 1#	/
Right tilt	40807/2611.7	20M QPSK 1RB#0	0.278	0.115	0.06	14.76	16.20	0.387	Battery 1#	/
Right tilt	41140/2645	20M QPSK 1RB#0	0.249	0.102	-0.02	14.82	16.20	0.342	Battery 1#	/
Right tilt	40473/2578.3(PCC)	20M QPSK 1RB#99	0.248	0.110	0.01	14.92	16.20	0.333	Battery 1#	/
	40671/2598.1(SCC)	20M QPSK 1RB#0								
Main Antenna										
Left cheek	41140/2645	20M QPSK 1RB#0	0.056	0.030	0.16	24.14	25.20	0.071	Battery 1#	/
Left tilt	41140/2645	20M QPSK 1RB#0	0.042	0.021	0.13	24.14	25.20	0.054	Battery 1#	/
Right cheek	41140/2645	20M QPSK 1RB#0	0.096	0.050	0.00	24.14	25.20	0.123	Battery 1#	/
Right tilt	41140/2645	20M QPSK 1RB#0	0.019	0.007	0.16	24.14	25.20	0.024	Battery 1#	/
Left cheek	40140/2545	20M QPSK 50%RB#0	0.055	0.029	0.05	23.10	24.20	0.071	Battery 1#	/
Left tilt	40140/2545	20M QPSK 50%RB#0	0.038	0.019	0.09	23.10	24.20	0.049	Battery 1#	/
Right cheek	40140/2545	20M QPSK 50%RB#0	0.087	0.046	0.01	23.10	24.20	0.112	Battery 1#	/
Right tilt	40140/2545	20M QPSK 50%RB#0	0.020	0.010	0.19	23.10	24.20	0.026	Battery 1#	/
Right cheek	41140/2645	20M QPSK 1RB#0	0.097	0.049	0.04	24.14	25.20	0.123	Battery 2#	/
Right cheek	40140/2545	20M QPSK 1RB#0	**0.106**	0.056	0.19	24.00	25.20	**0.140**	Battery 2#	Yes
Right cheek	40473/2578.3	20M QPSK 1RB#0	0.103	0.054	0.18	23.98	25.20	0.136	Battery 2#	/
Right cheek	40807/2611.7	20M QPSK 1RB#0	0.100	0.052	0.11	23.99	25.20	0.132	Battery 2#	/
Right cheek	40473/2578.3(PCC)	20M QPSK 1RB#99	0.093	0.047	0.16	23.91	23.50	0.084	Battery 2#	/
	40671/2598.1(SCC)	20M QPSK 1RB#0								

Table 182: Head SAR test results of LTE Band 41

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Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	41140/2645	20M QPSK 1RB#0	0.117	0.063	0.09	22.95	24.20	0.156	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.135	0.069	-0.19	22.95	24.20	0.180	Battery 1#	/
Front Side	15mm	41140/2645	20M QPSK 50%RB#50	0.082	0.044	-0.12	22.00	23.20	0.108	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 50%RB#50	0.093	0.045	0.01	22.00	23.20	0.122	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	**0.148**	0.074	-0.08	22.95	24.20	**0.197**	Battery 2#	Yes
Back Side	15mm	40140/2545	20M QPSK 1RB#0	0.069	0.039	-0.07	22.82	24.20	0.095	Battery 2#	/
Back Side	15mm	40473/2578.3	20M QPSK 1RB#50	0.083	0.046	0.11	22.84	24.20	0.113	Battery 2#	/
Back Side	15mm	40807/2611.7	20M QPSK 1RB#0	0.105	0.056	-0.13	22.79	24.20	0.145	Battery 2#	/
Back Side	15mm	41140/2645(PCC)	20M QPSK 1RB#0	0.118	0.058	-0.14	22.93	24.20	0.158	Battery 2#	/
		40942/2625.2(SCC)	20M QPSK 1RB#99								
Main Antenna											
Front Side	15mm	41140/2645	20M QPSK 1RB#0	0.098	0.053	-0.17	24.14	25.20	0.125	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.183	0.099	-0.04	24.14	25.20	0.234	Battery 1#	/
Front Side	15mm	40140/2545	20M QPSK 50%RB#0	0.090	0.049	-0.06	23.10	24.20	0.116	Battery 1#	/
Back Side	15mm	40140/2545	20M QPSK 50%RB#0	0.135	0.075	0.15	23.10	24.20	0.174	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.231	0.125	-0.03	24.14	25.20	0.295	Battery 2#	/
Back Side	15mm	40140/2545	20M QPSK 1RB#0	**0.233**	0.128	0.00	24.00	25.20	**0.307**	Battery 2#	Yes
Back Side	15mm	40473/2578.3	20M QPSK 1RB#0	0.230	0.126	-0.09	23.98	25.20	0.305	Battery 2#	/
Back Side	15mm	40807/2611.7	20M QPSK 1RB#0	0.178	0.097	0.06	23.99	25.20	0.235	Battery 2#	/
Back Side	15mm	40473/2578.3(PCC)	20M QPSK 1RB#99	0.161	0.088	0.02	23.91	25.20	0.217	Battery 2#	/
		40671/2598.1(SCC)	20M QPSK 1RB#0								

Table 183: Body-Worn SAR test results of LTE Band 41

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	40140/2545	20M QPSK 1RB#0	0.128	0.066	-0.18	21.48	22.70	0.170	Battery 1#	/
Back Side	10mm	40140/2545	20M QPSK 1RB#0	0.173	0.092	-0.17	21.48	22.70	0.229	Battery 1#	/
Left Side	10mm	40140/2545	20M QPSK 1RB#0	0.116	0.046	0.17	21.48	22.70	0.154	Battery 1#	/
Top Side	10mm	40140/2545	20M QPSK 1RB#0	0.334	0.168	0.07	21.48	22.70	0.442	Battery 1#	/
Front Side	10mm	40140/2545	20M QPSK 50%RB#0	0.130	0.067	0.18	21.59	22.70	0.168	Battery 1#	/
Back Side	10mm	40140/2545	20M QPSK 50%RB#0	0.180	0.096	-0.10	21.59	22.70	0.232	Battery 1#	/
Left Side	10mm	40140/2545	20M QPSK 50%RB#0	0.137	0.054	0.16	21.59	22.70	0.177	Battery 1#	/
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	**0.362**	0.182	-0.04	21.59	22.70	**0.467**	Battery 1#	Yes
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	0.336	0.171	0.02	21.59	22.70	0.434	Battery 2#	/
Top Side	10mm	40473/2578.3	20M QPSK 50%RB#0	0.338	0.173	0.01	21.51	22.70	0.445	Battery 1#	/
Top Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.313	0.162	-0.07	21.48	22.70	0.415	Battery 1#	/
Top Side	10mm	41140/2645	20M QPSK 50%RB#0	0.229	0.120	-0.12	21.58	22.70	0.296	Battery 1#	/
Top Side	10mm	41140/2645(PCC)	20M QPSK 1RB#0	0.243	0.127	0.04	21.36	22.70	0.331	Battery 1#	/
		40942/2625.2(SCC)	20M QPSK 1RB#99								
Main Antenna											
Front Side	10mm	40140/2545	20M QPSK 1RB#0	0.124	0.065	-0.10	22.17	23.20	0.157	Battery 1#	/
Back Side	10mm	40140/2545	20M QPSK 1RB#0	0.269	0.145	-0.11	22.17	23.20	0.341	Battery 1#	/
Right Side	10mm	40140/2545	20M QPSK 1RB#0	0.068	0.034	-0.04	22.17	23.20	0.086	Battery 1#	/
Bottom Side	10mm	40140/2545	20M QPSK 1RB#0	0.375	0.188	-0.12	22.17	23.20	0.475	Battery 1#	/
Front Side	10mm	40140/2545	20M QPSK 50%RB#50	0.122	0.063	-0.12	22.22	23.20	0.153	Battery 1#	/
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.243	0.131	-0.13	22.22	23.20	0.305	Battery 1#	/
Right Side	10mm	40140/2545	20M QPSK 50%RB#50	0.065	0.033	-0.13	22.22	23.20	0.081	Battery 1#	/
Bottom Side	10mm	40140/2545	20M QPSK 50%RB#50	0.378	0.189	-0.04	22.22	23.20	0.474	Battery 1#	/
Bottom Side	10mm	40140/2545	20M QPSK 50%RB#50	0.313	0.156	-0.03	22.22	23.20	0.392	Battery 2#	/
Bottom Side	10mm	40473/2578.3	20M QPSK 50%RB#0	0.316	0.156	0.04	22.21	23.20	0.397	Battery 1#	/
Bottom Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.369	0.180	0.13	22.11	23.20	0.474	Battery 1#	/
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#0	**0.395**	0.193	0.11	22.19	23.20	**0.498**	Battery 1#	Yes
Bottom Side	10mm	40807/2611.7(PCC)	20M QPSK 1RB#0	0.285	0.141	0.14	22.09	23.20	0.368	Battery 1#	/
		40609/2591.9(SCC)	20M QPSK 1RB#99								

Table 184: Hotspot SAR test results of LTE Band 41

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	40140/2545	20M QPSK 1RB#0	0.128	0.066	-0.18	21.48	24.20	0.239	Yes
Back Side	10mm	40140/2545	20M QPSK 1RB#0	0.173	0.092	-0.17	21.48	24.20	0.324	Yes
Left Side	10mm	40140/2545	20M QPSK 1RB#0	0.116	0.046	0.17	21.48	24.20	0.217	Yes
Top Side	10mm	40140/2545	20M QPSK 1RB#0	0.334	0.168	0.07	21.48	24.20	0.625	Yes
Front Side	10mm	40140/2545	20M QPSK 50%RB#0	0.130	0.067	0.18	21.59	23.20	0.188	Yes
Back Side	10mm	40140/2545	20M QPSK 50%RB#0	0.180	0.096	-0.10	21.59	23.20	0.261	Yes
Left Side	10mm	40140/2545	20M QPSK 50%RB#0	0.137	0.054	0.16	21.59	23.20	0.198	Yes
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	**0.362**	0.182	-0.04	21.59	23.20	0.524	Yes
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	0.336	0.171	0.02	21.59	23.20	0.487	Yes
Top Side	10mm	40473/2578.3	20M QPSK 50%RB#0	0.338	0.173	0.01	21.51	23.20	0.499	Yes
Top Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.313	0.162	-0.07	21.48	23.20	0.465	Yes
Top Side	10mm	41140/2645	20M QPSK 50%RB#0	0.229	0.120	-0.12	21.58	23.20	0.333	Yes
Top Side	10mm	41140/2645(PCC)	20M QPSK 1RB#0	0.243	0.127	0.04	21.36	24.20	0.467	Yes
		40942/2625.2(SCC)	20M QPSK 1RB#99							
Main Antenna										
Front Side	10mm	40140/2545	20M QPSK 1RB#0	0.124	0.065	-0.10	22.17	25.20	0.249	Yes
Back Side	10mm	40140/2545	20M QPSK 1RB#0	0.269	0.145	-0.11	22.17	25.20	0.540	Yes
Right Side	10mm	40140/2545	20M QPSK 1RB#0	0.068	0.034	-0.04	22.17	25.20	0.136	Yes
Bottom Side	10mm	40140/2545	20M QPSK 1RB#0	0.375	0.188	-0.12	22.17	25.20	0.753	Yes
Front Side	10mm	40140/2545	20M QPSK 50%RB#50	0.122	0.063	-0.12	22.22	24.20	0.192	Yes
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.243	0.131	-0.13	22.22	24.20	0.383	Yes
Right Side	10mm	40140/2545	20M QPSK 50%RB#50	0.065	0.033	-0.13	22.22	24.20	0.102	Yes
Bottom Side	10mm	40140/2545	20M QPSK 50%RB#50	0.378	0.189	-0.04	22.22	24.20	0.596	Yes
Bottom Side	10mm	40140/2545	20M QPSK 50%RB#50	0.313	0.156	-0.03	22.22	24.20	0.494	Yes
Bottom Side	10mm	40473/2578.3	20M QPSK 50%RB#0	0.316	0.156	0.04	22.21	24.20	0.500	Yes
Bottom Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.369	0.180	0.13	22.11	24.20	0.597	Yes
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#0	**0.395**	0.193	0.11	22.19	24.20	0.627	Yes
Bottom Side	10mm	40807/2611.7(PCC)	20M QPSK 1RB#0	0.285	0.141	0.14	22.09	25.20	0.583	Yes
		40609/2591.9(SCC)	20M QPSK 1RB#99							

Table 185: Product Specific 10-g SAR test reduction evaluation of LTE Band 41

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

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7.2.15 SAR measurement Result of LTE Band 66

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	132072/1720	20M QPSK 1RB#0	0.146	0.071	0.07	14.55	16.20	0.213	Battery 1#	/
Left tilt	132072/1720	20M QPSK 1RB#0	0.230	0.108	0.15	14.55	16.20	0.336	Battery 1#	/
Right cheek	132072/1720	20M QPSK 1RB#0	0.174	0.098	0.03	14.55	16.20	0.254	Battery 1#	/
Right tilt	132072/1720	20M QPSK 1RB#0	0.204	0.110	-0.01	14.55	16.20	0.298	Battery 1#	/
Left cheek	132572/1770	20M QPSK 50%RB#50	0.115	0.059	0.09	14.50	16.20	0.170	Battery 1#	/
Left tilt	132572/1770	20M QPSK 50%RB#50	0.195	0.093	-0.15	14.50	16.20	0.288	Battery 1#	/
Right cheek	132572/1770	20M QPSK 50%RB#50	0.179	0.099	-0.11	14.50	16.20	0.265	Battery 1#	/
Right tilt	132572/1770	20M QPSK 50%RB#50	0.253	0.122	-0.01	14.50	16.20	0.374	Battery 1#	/
Right tilt	132572/1770	20M QPSK 50%RB#50	**0.262**	0.128	-0.01	14.50	16.20	**0.388**	Battery 2#	Yes
Right tilt	132072/1720	20M QPSK 50%RB#25	0.254	0.124	-0.02	14.41	16.20	0.384	Battery 2#	/
Right tilt	132322/1745	20M QPSK 50%RB#50	0.258	0.125	-0.03	14.49	16.20	0.382	Battery 2#	/
Main Antenna										
Left cheek	132322/1745	20M QPSK 1RB#0	0.144	0.088	0.04	23.41	25.20	0.217	Battery 1#	/
Left tilt	132322/1745	20M QPSK 1RB#0	0.081	0.044	0.04	23.41	25.20	0.122	Battery 1#	/
Right cheek	132322/1745	20M QPSK 1RB#0	0.124	0.081	0.14	23.41	25.20	0.187	Battery 1#	/
Right tilt	132322/1745	20M QPSK 1RB#0	0.079	0.047	-0.12	23.41	25.20	0.120	Battery 1#	/
Left cheek	132322/1745	20M QPSK 50%RB#50	0.107	0.062	0.01	22.34	24.20	0.164	Battery 1#	/
Left tilt	132322/1745	20M QPSK 50%RB#50	0.061	0.033	0.14	22.34	24.20	0.093	Battery 1#	/
Right cheek	132322/1745	20M QPSK 50%RB#50	0.091	0.055	0.17	22.34	24.20	0.139	Battery 1#	/
Right tilt	132322/1745	20M QPSK 50%RB#50	0.063	0.037	0.17	22.34	24.20	0.097	Battery 1#	/
Left cheek	132322/1745	20M QPSK 1RB#0	**0.152**	0.089	0.10	23.41	25.20	**0.230**	Battery 2#	Yes
Left cheek	132072/1720	20M QPSK 1RB#99	0.148	0.090	0.10	23.32	25.20	0.228	Battery 2#	/
Left cheek	132572/1770	20M QPSK 1RB#99	0.138	0.074	0.08	23.38	25.20	0.210	Battery 2#	/

Table 186: Head SAR test results of LTE Band 66

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Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	132572/1770	20M QPSK 1RB#99	0.111	0.064	-0.18	21.60	23.20	0.161	Battery 1#	/
Back Side	15mm	132572/1770	20M QPSK 1RB#99	0.197	0.121	-0.13	21.60	23.20	0.285	Battery 1#	/
Front Side	15mm	132322/1745	20M QPSK 50%RB#0	0.114	0.067	-0.09	21.53	23.20	0.168	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 50%RB#0	0.226	0.139	-0.10	21.53	23.20	0.332	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 50%RB#0	**0.243**	0.149	-0.12	21.53	23.20	**0.357**	Battery 2#	Yes
Back Side	15mm	132072/1720	20M QPSK 50%RB#0	0.238	0.147	-0.18	21.49	23.20	0.353	Battery 2#	/
Back Side	15mm	132572/1770	20M QPSK 50%RB#50	0.204	0.125	-0.03	21.43	23.20	0.306	Battery 2#	/
Main Antenna											
Front Side	15mm	132322/1745	20M QPSK 1RB#0	0.239	0.152	-0.19	23.41	25.20	0.361	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 1RB#0	**0.314**	0.218	-0.06	23.41	25.20	**0.474**	Battery 1#	Yes
Front Side	15mm	132322/1745	20M QPSK 50%RB#50	0.177	0.112	-0.08	22.34	24.20	0.272	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 50%RB#50	0.232	0.145	-0.13	22.34	24.20	0.356	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 1RB#0	0.259	0.178	-0.12	23.41	25.20	0.391	Battery 2#	/
Back Side	15mm	132072/1720	20M QPSK 1RB#99	0.246	0.169	-0.01	23.32	25.20	0.379	Battery 1#	/
Back Side	15mm	132572/1770	20M QPSK 1RB#99	0.253	0.173	-0.03	23.38	25.20	0.385	Battery 1#	/

Table 187: Body-Worn SAR test results of LTE Band 66

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	132572/1770	20M QPSK 1RB#99	0.098	0.056	-0.06	18.12	19.70	0.141	Battery 1#	/
Back Side	10mm	132572/1770	20M QPSK 1RB#99	0.218	0.122	0.03	18.12	19.70	0.313	Battery 1#	/
Left Side	10mm	132572/1770	20M QPSK 1RB#99	0.042	0.024	-0.03	18.12	19.70	0.061	Battery 1#	/
Top Side	10mm	132572/1770	20M QPSK 1RB#99	**0.291**	0.157	-0.03	18.12	19.70	**0.418**	Battery 1#	Yes
Front Side	10mm	132572/1770	20M QPSK 50%RB#50	0.097	0.054	0.02	17.99	19.70	0.143	Battery 1#	/
Back Side	10mm	132572/1770	20M QPSK 50%RB#50	0.201	0.114	-0.16	17.99	19.70	0.298	Battery 1#	/
Left Side	10mm	132572/1770	20M QPSK 50%RB#50	0.042	0.023	0.14	17.99	19.70	0.062	Battery 1#	/
Top Side	10mm	132572/1770	20M QPSK 50%RB#50	0.255	0.134	0.09	17.99	19.70	0.378	Battery 1#	/
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.268	0.147	0.00	18.12	19.70	0.385	Battery 2#	/
Top Side	10mm	132072/1720	20M QPSK 1RB#99	0.287	0.161	0.04	18.08	19.70	0.417	Battery 1#	/
Top Side	10mm	132322/1745	20M QPSK 1RB#99	0.271	0.150	-0.03	18.03	19.70	0.398	Battery 1#	/
Main Antenna											
Front Side	10mm	132072/1720	20M QPSK 1RB#0	0.179	0.111	-0.17	20.50	22.20	0.265	Battery 1#	/
Back Side	10mm	132072/1720	20M QPSK 1RB#0	0.218	0.148	-0.10	20.50	22.20	0.322	Battery 1#	/
Right Side	10mm	132072/1720	20M QPSK 1RB#0	0.172	0.089	-0.17	20.50	22.20	0.254	Battery 1#	/
Bottom Side	10mm	132072/1720	20M QPSK 1RB#0	0.274	0.160	-0.13	20.50	22.20	0.405	Battery 1#	/
Front Side	10mm	132322/1745	20M QPSK 50%RB#0	0.165	0.104	-0.15	20.34	22.20	0.253	Battery 1#	/
Back Side	10mm	132322/1745	20M QPSK 50%RB#0	0.218	0.147	-0.02	20.34	22.20	0.335	Battery 1#	/
Right Side	10mm	132322/1745	20M QPSK 50%RB#0	0.168	0.085	-0.14	20.34	22.20	0.258	Battery 1#	/
Bottom Side	10mm	132322/1745	20M QPSK 50%RB#0	0.252	0.147	-0.19	20.34	22.20	0.387	Battery 1#	/
Bottom Side	10mm	132072/1720	20M QPSK 1RB#0	0.242	0.140	-0.16	20.50	22.20	0.358	Battery 2#	/
Bottom Side	10mm	132322/1745	20M QPSK 1RB#0	**0.275**	0.160	-0.16	20.46	22.20	**0.411**	Battery 1#	Yes
Bottom Side	10mm	132572/1770	20M QPSK 1RB#0	0.241	0.138	0.01	20.47	22.20	0.359	Battery 1#	/

Table 188: Hotspot SAR test results of LTE Band 66

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	132572/1770	20M QPSK 1RB#99	0.098	0.056	-0.06	18.12	23.20	0.316	Yes
Back Side	10mm	132572/1770	20M QPSK 1RB#99	0.218	0.122	0.03	18.12	23.20	0.702	Yes
Left Side	10mm	132572/1770	20M QPSK 1RB#99	0.042	0.024	-0.03	18.12	23.20	0.136	Yes
Top Side	10mm	132572/1770	20M QPSK 1RB#99	**0.291**	0.157	-0.03	18.12	23.20	0.937	Yes
Front Side	10mm	132572/1770	20M QPSK 50%RB#50	0.097	0.054	0.02	17.99	23.20	0.321	Yes
Back Side	10mm	132572/1770	20M QPSK 50%RB#50	0.201	0.114	-0.16	17.99	23.20	0.668	Yes
Left Side	10mm	132572/1770	20M QPSK 50%RB#50	0.042	0.023	0.14	17.99	23.20	0.140	Yes
Top Side	10mm	132572/1770	20M QPSK 50%RB#50	0.255	0.134	0.09	17.99	23.20	0.847	Yes
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.268	0.147	0.00	18.12	23.20	0.863	Yes
Top Side	10mm	132072/1720	20M QPSK 1RB#99	0.287	0.161	0.04	18.08	23.20	0.933	Yes
Top Side	10mm	132322/1745	20M QPSK 1RB#99	0.271	0.150	-0.03	18.03	23.20	0.891	Yes
Main Antenna										
Front Side	10mm	132072/1720	20M QPSK 1RB#0	0.179	0.111	-0.17	20.50	25.20	0.528	Yes
Back Side	10mm	132072/1720	20M QPSK 1RB#0	0.218	0.148	-0.10	20.50	25.20	0.643	Yes
Right Side	10mm	132072/1720	20M QPSK 1RB#0	0.172	0.089	-0.17	20.50	25.20	0.508	Yes
Bottom Side	10mm	132072/1720	20M QPSK 1RB#0	0.274	0.160	-0.13	20.50	25.20	0.809	Yes
Front Side	10mm	132322/1745	20M QPSK 50%RB#0	0.165	0.104	-0.15	20.34	25.20	0.505	Yes
Back Side	10mm	132322/1745	20M QPSK 50%RB#0	0.218	0.147	-0.02	20.34	25.20	0.668	Yes
Right Side	10mm	132322/1745	20M QPSK 50%RB#0	0.168	0.085	-0.14	20.34	25.20	0.514	Yes
Bottom Side	10mm	132322/1745	20M QPSK 50%RB#0	0.252	0.147	-0.19	20.34	25.20	0.772	Yes
Bottom Side	10mm	132072/1720	20M QPSK 1RB#0	0.242	0.140	-0.16	20.50	25.20	0.714	Yes
Bottom Side	10mm	132322/1745	20M QPSK 1RB#0	**0.275**	0.160	-0.16	20.46	25.20	0.819	Yes
Bottom Side	10mm	132572/1770	20M QPSK 1RB#0	0.241	0.138	0.01	20.47	25.20	0.716	Yes

Table 189: Product Specific 10-g SAR test reduction evaluation of LTE Band 66

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

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7.2.16 SAR measurement Result of WiFi 2.4G

Test Position of Head	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Ant 5(Core 0)														
Left cheek	/	11/2462	802.11b	0.398	0.383	0.157	0.06	99%	0.387	9.61	10.50	0.475	Battery 1#	/
Left tilt	/	11/2462	802.11b	0.320	0.326	0.125	0.04	99%	0.329	9.61	10.50	0.404	Battery 1#	/
Right cheek	/	11/2462	802.11b	0.147	/	/	0.08	99%	/	9.61	10.50	/	Battery 1#	/
Right tilt	/	11/2462	802.11b	0.115	/	/	0.01	99%	/	9.61	10.50	/	Battery 1#	/
Left cheek	/	11/2462	802.11b	0.423	**0.412**	0.167	0.11	99%	0.416	9.61	10.50	**0.511**	Battery 2#	Yes
Left cheek	/	1/2412	802.11b	0.219	0.189	0.082	0.02	99%	0.191	8.87	10.50	0.278	Battery 2#	/
Left cheek	/	6/2437	802.11b	0.292	0.260	0.111	0.10	99%	0.263	9.32	10.50	0.345	Battery 2#	/
Ant 6(Core 1)														
Left cheek	/	6/2437	802.11b	0.006	/	/	0.00	99%	/	9.87	10.50	/	Battery 1#	/
Left tilt	/	6/2437	802.11b	0.006	/	/	0.00	99%	/	9.87	10.50	/	Battery 1#	/
Right cheek	/	6/2437	802.11b	0.048	0.043	0.016	0.00	99%	0.043	9.87	10.50	0.050	Battery 1#	/
Right tilt	/	6/2437	802.11b	0.044	/	/	0.00	99%	/	9.87	10.50	/	Battery 1#	/
Right cheek	/	6/2437	802.11b	0.057	0.040	0.015	0.00	99%	0.041	9.87	10.50	0.047	Battery 2#	/
Right cheek	/	1/2412	802.11b	0.061	**0.062**	0.024	0.00	99%	0.062	9.20	10.50	**0.084**	Battery 1#	Yes
Right cheek	/	11/2462	802.11b	0.062	0.049	0.018	0.00	99%	0.050	9.34	10.50	0.065	Battery 1#	/

Table 190: Head SAR test results of WiFi 2.4G SISO

Note: Per KDB248227D01, for Head SAR test of WiFi 2.4G SISO, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. 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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Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune -up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data of WiFi 2.4G MIMO with Ant 5(Core 0)													
Left cheek	5/2432	802.11n(40M)	0.239	/	/	-0.09	95%	/	9.92	10.50	/	Battery 1#	/
Left tilt	5/2432	802.11n(40M)	0.238	0.232	0.092	-0.06	95%	0.244	9.92	10.50	0.279	Battery 1#	/
Right cheek	5/2432	802.11n(40M)	0.090	/	/	0.08	95%	/	9.92	10.50	/	Battery 1#	/
Right tilt	5/2432	802.11n(40M)	0.108	/	/	0.00	95%	/	9.92	10.50	/	Battery 1#	/
Left tilt	5/2432	802.11n(40M)	0.231	0.244	0.096	-0.13	95%	0.257	9.92	10.50	0.294	Battery 2#	/
Left tilt	4/2427	802.11n(40M)	0.300	0.295	0.110	0.04	95%	0.311	9.89	10.50	0.357	Battery 2#	/
Left tilt	6/2437	802.11n(40M)	0.318	0.296	0.118	0.06	95%	0.312	9.69	10.50	0.375	Battery 2#	/
Test data of WiFi 2.4G MIMO with Ant 6(Core 1)													
Left cheek	5/2432	802.11n(40M)	<0.001	/	/	0.00	95%	/	9.68	12.50	/	Battery 1#	/
Left tilt	5/2432	802.11n(40M)	<0.001	/	/	0.00	95%	/	9.68	12.50	/	Battery 1#	/
Right cheek	5/2432	802.11n(40M)	0.001	0.001	0.000	0.00	95%	0.001	9.68	12.50	0.002	Battery 1#	/
Right tilt	5/2432	802.11n(40M)	0.001	/	/	0.00	95%	/	9.68	12.50	/	Battery 1#	/
Right cheek	5/2432	802.11n(40M)	0.043	0.041	0.014	0.00	95%	0.043	9.68	12.50	0.052	Battery 2#	/
Right cheek	4/2427	802.11n(40M)	<0.001	<0.001	0.000	0.00	95%	<0.001	8.96	12.50	<0.001	Battery 2#	/
Right cheek	6/2437	802.11n(40M)	0.004	0.005	0.001	0.00	95%	0.005	9.19	12.50	0.006	Battery 2#	/

Table 191: Head SAR test results of WiFi 2.4G MIMO

Note:

1) Per KDB248227D01, for Head SAR test of WiFi 2.4G CDD/MIMO, SAR is measured for 2.4 GHz OFDM 802.11n(40M) using the initial test position procedure. The highest reported SAR for OFDM 802.11n(40M) is adjusted by the ratio of OFDM 802.11g and OFDM 802.11n(20M) to OFDM 802.11n(40M) specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g and 802.11n(20M) is not required.
2) As different maximum tune-up output power is specified across the different channels range, WIFI 2.4G CDD/MIMO SAR test is performed on 4CH/5CH/6CH according to the max tune-up power to ensure compliance.

Test Position of Head	Dist.	Test Mode	WiFi 2.4G CDD/MIMO 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO (Ant 5(Core 0)+ Ant 6(Core 1))
Left cheek	/	802.11n(40M)	0.375	0.052	0.427
Left tilt	/	802.11n(40M)	0.375	0.052	0.427
Right cheek	/	802.11n(40M)	0.375	0.052	0.427
Right tilt	/	802.11n(40M)	0.375	0.052	0.427

Table 192: Head SAR of WiFi 2.4G CDD/MIMO calculation

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Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Ant 5(Core 0)														
Front Side	15mm	11/2462	802.11 b	0.137	/	/	0.15	99%	/	18.00	19.00	/	Battery 1#	/
Back Side	15mm	11/2462	802.11 b	0.174	**0.174**	0.099	-0.11	99%	0.176	18.00	19.00	**0.221**	Battery 1#	Yes
Back Side	15mm	11/2462	802.11 b	0.157	0.157	0.089	-0.18	99%	0.159	18.00	19.00	0.200	Battery 2#	/
Back Side	15mm	1/2412	802.11 b	0.085	0.085	0.048	-0.17	99%	0.085	17.69	19.00	0.116	Battery 1#	/
Back Side	15mm	6/2437	802.11 b	0.103	0.102	0.059	-0.15	99%	0.103	17.82	19.00	0.135	Battery 1#	/
Ant 6(Core 1)														
Front Side	15mm	11/2462	802.11 b	0.012	/	/	0.17	99%	/	17.81	18.50	/	Battery 1#	/
Back Side	15mm	11/2462	802.11 b	0.101	0.099	0.046	-0.15	99%	0.100	17.81	18.50	0.118	Battery 1#	/
Back Side	15mm	11/2462	802.11 b	0.101	0.098	0.046	-0.16	99%	0.099	17.81	18.50	0.117	Battery 2#	/
Back Side	15mm	1/2412	802.11 b	0.137	**0.138**	0.063	0.03	99%	0.139	17.52	18.50	**0.175**	Battery 1#	Yes
Back Side	15mm	6/2437	802.11 b	0.089	0.092	0.043	-0.17	99%	0.093	17.07	18.50	0.129	Battery 1#	/

Table 193: Body-Worn SAR test results of WiFi 2.4G SISO

Note: Per KDB248227D01, for Body SAR test of WiFi 2.4G SISO, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. 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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Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data of WiFi 2.4G CDD with Ant 5(Core 0)														
Front Side	15mm	2/2417	802.11g	0.007	0.005	0.003	0.03	98%	0.006	16.23	18.00	0.008	Battery 1#	/
Back Side	15mm	2/2417	802.11g	0.061	0.061	0.029	-0.09	98%	0.063	16.23	18.00	0.094	Battery 1#	/
Back Side	15mm	2/2417	802.11g	0.055	0.056	0.026	0.05	98%	0.057	16.23	18.00	0.086	Battery 2#	/
Back Side	15mm	6/2437	802.11g	0.063	0.063	0.029	0.09	98%	0.064	16.17	18.00	0.098	Battery 1#	/
Back Side	15mm	10/2457	802.11g	0.059	0.059	0.028	-0.06	98%	0.061	16.22	18.00	0.091	Battery 1#	/
Test data of WiFi 2.4G CDD with Ant 6(Core 1)														
Front Side	15mm	10/2457	802.11g	0.048	0.048	0.028	0.09	98%	0.049	15.84	17.50	0.071	Battery 1#	/
Back Side	15mm	10/2457	802.11g	0.079	0.080	0.043	-0.11	98%	0.081	15.84	17.50	0.119	Battery 1#	/
Back Side	15mm	10/2457	802.11g	0.075	0.074	0.041	-0.01	98%	0.075	15.84	17.50	0.111	Battery 2#	/
Back Side	15mm	2/2417	802.11g	0.081	0.080	0.042	0.12	98%	0.081	15.69	17.50	0.123	Battery 1#	/
Back Side	15mm	6/2437	802.11g	0.086	0.080	0.044	0.14	98%	0.082	15.58	17.50	0.127	Battery 1#	/

Table 194: Body-Worn SAR test results of WiFi 2.4G CDD

Note:

1) Per KDB248227D01, for Head SAR test of WiFi 2.4G CDD/MIMO, SAR is measured for 2.4 GHz OFDM 802.11g using the initial test position procedure. The highest *reported* SAR for OFDM 802.11g is adjusted by the ratio of OFDM 802.11n(20M) and OFDM 802.11n(40M) to OFDM 802.11g specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11 n(20M) and 802.11n(40M) is not required.
2) As different maximum tune-up output power is specified across the different channels range, WIFI 2.4G CDD 11g SAR test is performed on 2CH/6CH/10CH according to the max tune-up power to ensure compliance.

Test Position of Body-Worn	Dist.	Test Mode	WiFi 2.4G CDD/MIMO 1-g SAR(W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO (Ant 5(Core 0)+ Ant 6(Core 1))
Front Side	15mm	802.11g	0.008	0.071	0.079
Back Side	15mm	802.11g	0.098	0.127	0.225

Table 195: Body-Worn SAR of WiFi 2.4G CDD calculation

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Ant 5(Core 0)														
Front Side	10mm	11/2462	802.11 b	0.240	/	/	0.05	99%	/	18.00	19.00	/	Battery 1#	/
Back Side	10mm	11/2462	802.11 b	0.293	0.296	0.157	-0.13	99%	0.299	18.00	19.00	0.376	Battery 1#	/
Right Side	10mm	11/2462	802.11 b	0.231	/	/	0.16	99%	/	18.00	19.00	/	Battery 1#	/
Top Side	10mm	11/2462	802.11 b	0.360	**0.349**	0.185	0.16	99%	0.353	18.00	19.00	**0.444**	Battery 1#	Yes
Top Side	10mm	11/2462	802.11 b	0.358	0.346	0.183	-0.13	99%	0.349	18.00	19.00	0.440	Battery 2#	/
Top Side	10mm	1/2412	802.11 b	0.236	0.237	0.124	0.06	99%	0.239	17.69	19.00	0.324	Battery 1#	/
Top Side	10mm	6/2437	802.11 b	0.311	0.304	0.158	-0.18	99%	0.307	17.82	19.00	0.403	Battery 1#	/
Ant 6(Core 1)														
Front Side	10mm	11/2462	802.11 b	0.026	/	/	-0.14	99%	/	17.81	18.50	/	Battery 1#	/
Back Side	10mm	11/2462	802.11 b	0.148	/	/	-0.01	99%	/	17.81	18.50	/	Battery 1#	/
Left Side	10mm	11/2462	802.11 b	0.158	0.153	0.065	-0.19	99%	0.155	17.81	18.50	0.181	Battery 1#	/
Top Side	10mm	11/2462	802.11 b	0.017	/	/	-0.15	99%	/	17.81	18.50	/	Battery 1#	/
Left Side	10mm	11/2462	802.11 b	0.165	**0.165**	0.069	0.06	99%	0.167	17.81	18.50	**0.195**	Battery 2#	Yes
Left Side	10mm	1/2412	802.11 b	0.122	0.114	0.042	-0.12	99%	0.115	17.52	18.50	0.144	Battery 2#	/
Left Side	10mm	6/2437	802.11 b	0.067	0.061	0.028	0.03	99%	0.062	17.07	18.50	0.086	Battery 2#	/

Table 196: Hotspot SAR test results of WiFi 2.4G SISO

Note:

1) Per KDB248227D01, for Hotspot SAR test of WiFi 2.4G SISO, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. 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.
2) Per KDB 648474 D04, Product Specific 10-g SAR test is not required for WiFi 2.4G SISO since hotspot mode 1-g reported SAR < 1.2 W/kg.
3) WiFi 2.4G CDD/MIMO does not support hotspot function.

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Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 10-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 10-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data of WiFi 2.4G CDD with Ant 5(Core 0)														
Front Side	0mm	2/2417	802.11g	0.606	/	/	0.10	98%	/	16.23	18.00	/	Battery 1#	/
Back Side	0mm	2/2417	802.11g	0.763	2.090	0.724	-0.19	98%	0.739	16.23	18.00	1.110	Battery 1#	/
Left Side	0mm	2/2417	802.11g	0.111	/	/	0.16	98%	/	16.23	18.00	/	Battery 1#	/
Right Side	0mm	2/2417	802.11g	0.149	/	/	0.16	98%	/	16.23	18.00	/	Battery 1#	/
Top Side	0mm	2/2417	802.11g	0.808	2.110	0.776	-0.11	98%	0.792	16.23	18.00	1.190	Battery 1#	/
Top Side	0mm	2/2417	802.11g	0.763	1.810	0.675	0.09	98%	0.689	16.23	18.00	1.035	Battery 2#	/
Top Side	0mm	6/2437	802.11g	1.130	2.880	**1.070**	0.14	98%	1.092	16.17	18.00	**1.664**	Battery 1#	Yes
Top Side	0mm	10/2457	802.11g	0.936	2.010	0.794	-0.14	98%	0.810	16.22	18.00	1.221	Battery 1#	/
Test data of WiFi 2.4G CDD with Ant 6(Core 1)														
Front Side	0mm	10/2457	802.11g	0.071	/	/	0.00	98%	/	15.84	17.50	/	Battery 1#	/
Back Side	0mm	10/2457	802.11g	0.433	1.050	0.374	0.02	98%	0.382	15.84	17.50	0.559	Battery 1#	/
Left Side	0mm	10/2457	802.11g	0.221	0.667	0.229	-0.14	98%	0.234	15.84	17.50	0.342	Battery 1#	/
Right Side	0mm	10/2457	802.11g	0.111	/	/	-0.12	98%	/	15.84	17.50	/	Battery 1#	/
Top Side	0mm	10/2457	802.11g	0.187	0.434	0.155	-0.06	98%	0.158	15.84	17.50	0.232	Battery 1#	/
Back Side	0mm	10/2457	802.11g	0.442	1.260	**0.436**	-0.03	98%	0.445	15.84	17.50	**0.652**	Battery 2#	Yes
Back Side	0mm	2/2417	802.11g	0.425	1.020	0.363	0.02	98%	0.370	15.69	17.50	0.562	Battery 2#	/
Back Side	0mm	6/2437	802.11g	0.439	1.250	0.433	-0.03	98%	0.442	15.58	17.50	0.687	Battery 2#	/

Table 197: Product Specific 10-g SAR test results of WiFi 2.4G CDD

Note:

1) Per KDB248227D01, for Product Specific 10-g SAR test of WiFi 2.4G CDD, SAR is measured for 2.4 GHz OFDM 802.11g using the initial test position procedure. The highest *reported* SAR for OFDM 802.11g is adjusted by the ratio of OFDM 802.11n(20M) and OFDM 802.11n(40M) to OFDM 802.11g specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11 n(20M) and 802.11n(40M) is not required.
2) As different maximum tune-up output power is specified across the different channels range, WIFI 2.4G CDD 11g SAR test is performed on 2CH/6CH/10CH according to the max tune-up power to ensure compliance.

Product Specific 10-g SAR	Dist.	Test Mode	WiFi 2.4G CDD/MIMO 10-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+ Ant 6(Core 1))
Front Side	0mm	802.11g	1.664	0.687	2.351
Back Side	0mm	802.11g	1.664	0.687	2.351
Left Side	0mm	802.11g	1.664	0.687	2.351
Right Side	0mm	802.11g	1.664	0.687	2.351
Top Side	0mm	802.11g	1.664	0.687	2.351

Table 198: Product Specific 10-g SAR of WiFi 2.4G CDD calculation

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7.2.17 SAR measurement Result of WiFi 5G

Test Position of Head	Dist.	Test Channe /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Ant 5(Core 0)														
Test data of U-NII-2A band														
Left cheek	/	58/5290	802.11ac(80M)	0.099	0.071	0.022	-0.15	96%	0.074	6.57	8.50	0.116	Battery 1#	/
Left tilt	/	58/5290	802.11ac(80M)	0.041	/	/	0.11	96%	/	6.57	8.50	/	Battery 1#	/
Right cheek	/	58/5290	802.11ac(80M)	0.047	/	/	-0.01	96%	/	6.57	8.50	/	Battery 1#	/
Right tilt	/	58/5290	802.11ac(80M)	0.050	/	/	-0.17	96%	/	6.57	8.50	/	Battery 1#	/
Left cheek	/	58/5290	802.11ac(80M)	0.011	0.012	0.003	0.08	96%	0.012	6.57	8.50	0.019	Battery 2#	/
Test data of U-NII-2C band														
Left cheek	/	114/5570	802.11ac(160M)	0.060	/	/	0.16	96%	0.000	7.82	8.50	0.000	Battery 1#	/
Left tilt	/	114/5570	802.11ac(160M)	0.101	0.093	0.026	-0.18	96%	0.097	7.82	8.50	0.113	Battery 1#	/
Right cheek	/	114/5570	802.11ac(160M)	0.057	/	/	0.13	96%	/	7.82	8.50	/	Battery 1#	/
Right tilt	/	114/5570	802.11ac(160M)	0.063	/	/	-0.15	96%	/	7.82	8.50	/	Battery 1#	/
Left tilt	/	114/5570	802.11ac(160M)	0.099	0.087	0.023	0.00	96%	0.090	7.82	8.50	0.105	Battery 2#	/
Test data of U-NII-3 band														
Left cheek	/	155/5775	802.11ac(80M)	0.119	/	/	-0.10	96%	/	7.57	8.50	/	Battery 1#	/
Left tilt	/	155/5775	802.11ac(80M)	0.172	0.143	0.040	-0.11	96%	0.149	7.57	8.50	0.185	Battery 1#	/
Right cheek	/	155/5775	802.11ac(80M)	0.095	/	/	-0.01	96%	/	7.57	8.50	/	Battery 1#	/
Right tilt	/	155/5775	802.11ac(80M)	0.103	/	/	0.12	96%	/	7.57	8.50	/	Battery 1#	/
Left tilt	/	155/5775	802.11ac(80M)	0.175	**0.151**	0.042	-0.01	96%	0.157	7.57	8.50	**0.195**	Battery 2#	Yes
Ant 6(Core 1)														
Test data of U-NII-2A band														
Left cheek	/	58/5290	802.11ac(80M)	0.005	/	/	0.00	96%	/	7.08	8.50	/	Battery 1#	/
Left tilt	/	58/5290	802.11ac(80M)	0.016	/	/	0.00	96%	/	7.08	8.50	/	Battery 1#	/
Right cheek	/	58/5290	802.11ac(80M)	0.025	/	/	0.12	96%	/	7.08	8.50	/	Battery 1#	/
Right tilt	/	58/5290	802.11ac(80M)	0.028	0.025	0.007	-0.19	96%	0.026	7.08	8.50	0.036	Battery 1#	/
Right tilt	/	58/5290	802.11ac(80M)	0.017	0.004	0.004	-0.10	96%	0.004	7.08	8.50	0.005	Battery 2#	/
Test data of U-NII-2C band														
Left cheek	/	114/5570	802.11ac(160M)	0.003	/	/	0.00	96%	/	7.16	8.50	/	Battery 1#	/
Left tilt	/	114/5570	802.11ac(160M)	0.011	/	/	0.00	96%	/	7.16	8.50	/	Battery 1#	/
Right cheek	/	114/5570	802.11ac(160M)	0.016	/	/	-0.18	96%	/	7.16	8.50	/	Battery 1#	/
Right tilt	/	114/5570	802.11ac(160M)	0.018	0.002	0.000	0.00	96%	0.002	7.16	8.50	0.003	Battery 1#	/
Right tilt	/	114/5570	802.11ac(160M)	0.015	0.003	0.000	0.00	96%	0.003	7.16	8.50	0.004	Battery 2#	/
Test data of U-NII-3 band														
Left cheek	/	155/5775	802.11ac(80M)	0.005	/	/	0.00	96%	/	6.56	8.50	/	Battery 1#	/
Left tilt	/	155/5775	802.11ac(80M)	0.017	/	/	0.00	96%	/	6.56	8.50	/	Battery 1#	/
Right cheek	/	155/5775	802.11ac(80M)	0.028	/	/	0.00	96%	/	6.56	8.50	/	Battery 1#	/
Right tilt	/	155/5775	802.11ac(80M)	0.032	**0.030**	0.008	-0.19	96%	0.031	6.56	8.50	**0.048**	Battery 1#	Yes
Right tilt	/	155/5775	802.11ac(80M)	0.018	0.011	0.003	-0.05	96%	0.011	6.56	8.50	0.018	Battery 2#	/

Table 199: Head SAR test results of WiFi 5G SISO

Note:

1) Per KDB248227D01, for Head SAR test of WiFi 5G U-NII-2A, SAR is measured for 802.11ac (80M) OFDM using the initial test position procedure. The highest reported SAR is adjusted by the ratio of

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other WiFi 5G modes to 802.11ac (80M) specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.

2) Per KDB248227D01, for Head SAR test of WiFi 5G U-NII-2C, SAR is measured for 802.11ac(160M) OFDM using the initial test position procedure. The highest reported SAR is adjusted by the ratio of 8 other WiFi 5G modes to 802.11ac (160M)specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.
3) Per KDB248227D01, for Head SAR test of WiFi 5G U-NII-2A, SAR is measured for 802.11ac (80M) OFDM using the initial test position procedure. The highest reported SAR is adjusted by the ratio of other WiFi 5G modes to 802.11ac (80M) specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.
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 (802.11 mode and exposure condition).

Test Position of Head	Dist.	Test Mode	WiFi 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	MIMO(Ant 5(Core 0)+Ant 6(Core 1))
CDD/MIMO					
U-NII-1&U-NII-2A band					
Left cheek	/	802.11ac(80M)	0.116	0.036	0.152
Left tilt	/	802.11ac(80M)	0.116	0.036	0.152
Right cheek	/	802.11ac(80M)	0.116	0.036	0.152
Right tilt	/	802.11ac(80M)	0.116	0.036	0.152
U-NII-2C band					
Left cheek	/	802.11ac(160M)	0.113	0.004	0.117
Left tilt	/	802.11ac(160M)	0.113	0.004	0.117
Right cheek	/	802.11ac(160M)	0.113	0.004	0.117
Right tilt	/	802.11ac(160M)	0.113	0.004	0.117
U-NII-3 band					
Left cheek	/	802.11ac(80M)	0.195	0.048	**0.243**
Left tilt	/	802.11ac(80M)	0.195	0.048	0.243
Right cheek	/	802.11ac(80M)	0.195	0.048	0.243
Right tilt	/	802.11ac(80M)	0.195	0.048	0.243

Table 200: Head SAR of WiFi 5G CDD/MIMO

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Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Ant 5(Core 0)														
Test data of U-NII-1&U-NII-2A band														
Front Side	15mm	56/5280	802.11a	0.023	/	/	-0.060	98%	/	16.03	17.00	/	Battery 1#	/
Back Side	15mm	56/5280	802.11a	0.031	0.024	0.009	-0.15	98%	0.024	16.03	17.00	0.030	Battery 1#	/
Back Side	15mm	56/5280	802.11a	0.028	0.025	0.010	-0.19	98%	0.025	16.03	17.00	0.032	Battery 2#	/
Back Side	15mm	52/5260	802.11a	0.030	0.028	0.011	0.170	98%	0.029	15.53	17.00	0.040	Battery 2#	/
Back Side	15mm	60/5300	802.11a	0.042	0.046	0.017	0.00	98%	0.047	15.92	17.00	0.061	Battery 2#	/
Test data of U-NII-2C band														
Front Side	15mm	136/5680	802.11a	0.074	/	/	0.03	98%	/	16.40	17.00	/	Battery 1#	/
Back Side	15mm	136/5680	802.11a	0.139	**0.139**	0.050	0.14	98%	0.142	16.40	17.00	**0.163**	Battery 1#	Yes
Back Side	15mm	136/5680	802.11a	0.127	0.124	0.048	0.17	98%	0.127	16.40	17.00	0.145	Battery 2#	/
Back Side	15mm	104/5520	802.11a	0.075	0.073	0.026	0.16	98%	0.075	16.30	17.00	0.088	Battery 1#	/
Back Side	15mm	116/5580	802.11a	0.089	0.090	0.034	0.15	98%	0.092	16.14	17.00	0.112	Battery 1#	/
Test data of U-NII-3 band														
Front Side	15mm	161/5805	802.11a	0.021	/	/	0.12	98%	/	9.41	11.50	/	Battery 1#	/
Back Side	15mm	161/5805	802.11a	0.032	0.022	0.008	0.10	98%	0.023	9.41	11.50	0.036	Battery 1#	/
Back Side	15mm	161/5805	802.11a	0.034	0.022	0.008	0.13	98%	0.023	9.41	11.50	0.036	Battery 2#	/
Back Side	15mm	165/5825	802.11a	0.035	0.024	0.008	0.12	98%	0.025	9.40	11.50	0.040	Battery 1#	/
Back Side	15mm	149/5745	802.11a	0.033	0.024	0.009	0.10	98%	0.024	9.39	11.50	0.039	Battery 1#	/
Ant 6(Core 1)														
Test data of U-NII-1&U-NII-2A band														
Front Side	15mm	60/5300	802.11a	0.003	/	/	0.00	98%	/	15.33	16.50	/	Battery 1#	/
Back Side	15mm	60/5300	802.11a	0.052	0.060	0.021	0.13	98%	0.061	15.33	16.50	0.080	Battery 1#	/
Back Side	15mm	60/5300	802.11a	0.069	**0.063**	0.023	0.00	98%	0.064	15.33	16.50	**0.084**	Battery 2#	Yes
Back Side	15mm	52/5260	802.11a	0.061	0.056	0.021	0.00	98%	0.057	15.28	16.50	0.075	Battery 2#	/
Back Side	15mm	56/5280	802.11a	0.065	0.058	0.023	0.13	98%	0.059	15.28	16.50	0.079	Battery 2#	/
Test data of U-NII-2C band														
Front Side	15mm	136/5680	802.11a	0.000	/	/	0.00	98%	/	15.52	16.50	/	Battery 1#	/
Back Side	15mm	136/5680	802.11a	0.007	0.018	0.006	0.14	98%	0.018	15.52	16.50	0.023	Battery 1#	/
Back Side	15mm	136/5680	802.11a	0.038	0.020	0.006	-0.17	98%	0.020	15.52	16.50	0.025	Battery 2#	/
Back Side	15mm	116/5580	802.11a	0.008	0.037	0.012	0.12	98%	0.038	15.39	16.50	0.048	Battery 2#	/
Back Side	15mm	132/5660	802.11a	0.018	0.058	0.022	0.17	98%	0.060	15.50	16.50	0.075	Battery 2#	/
Test data of U-NII-3 band														
Front Side	15mm	165/5825	802.11a	0.000	/	/	0.00	98%	/	9.24	11.50	/	Battery 1#	/
Back Side	15mm	165/5825	802.11a	0.004	0.015	0.004	0.00	98%	0.015	9.24	11.50	0.026	Battery 1#	/
Back Side	15mm	165/5825	802.11a	0.004	0.022	0.007	-0.17	98%	0.022	9.24	11.50	0.037	Battery 2#	/
Back Side	15mm	161/5805	802.11a	0.007	0.019	0.006	0.14	98%	0.020	9.09	11.50	0.034	Battery 2#	/
Back Side	15mm	157/5785	802.11a	0.007	0.019	0.006	0.13	98%	0.020	8.82	11.50	0.036	Battery 2#	/

Table 201: Body-Worn SAR test results of WiFi 5G SISO

Note:

1) Per KDB248227D01, for Body-Worn SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure.The highest reported SAR for 802.11a is adjusted by the ratio of other WiFi 5G modes to 802.11a specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G modes are not required.

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2) 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 (802.11 mode and exposure condition);
3) Per KDB 248227D01v02, 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

Test Position of Body-Worn	Dist.	Test Mode	WiFi 5G CDD/MIMO 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+Ant 6(Core 1))
Test data of U-NII-1&U-NII-2A band					
Front Side	15mm	802.11a	0.061	0.084	0.145
Back Side	15mm	802.11a	0.061	0.084	0.145
U-NII-2C band					
Front Side	15mm	802.11a	0.163	0.075	**0.238**
Back Side	15mm	802.11a	0.163	0.075	0.238
U-NII-3 band					
Front Side	15mm	802.11a	0.040	0.037	0.077
Back Side	15mm	802.11a	0.040	0.037	0.077

Table 202: Body-Worn SAR of WiFi 5G CDD calculation

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Ant 5(Core 0)														
Test data of U-NII-1 band														
Front Side	10mm	40/5200	802.11a	0.041	/	/	0.00	98%	/	15.96	17.00	/	Battery 1#	/
Back Side	10mm	40/5200	802.11a	0.069	/	/	0.19	98%	/	15.96	17.00	/	Battery 1#	/
Left Side	10mm	40/5200	802.11a	<0.001	/	/	-0.16	98%	/	15.96	17.00	/	Battery 1#	/
Right Side	10mm	40/5200	802.11a	0.019	/	/	-0.16	98%	/	15.96	17.00	/	Battery 1#	/
Top Side	10mm	40/5200	802.11a	0.066	0.071	0.025	-0.12	98%	0.072	15.96	17.00	0.092	Battery 1#	/
Top Side	10mm	40/5200	802.11a	0.083	0.086	0.032	0.190	98%	0.088	15.96	17.00	0.112	Battery 2#	/
Top Side	10mm	44/5220	802.11a	0.075	0.079	0.029	0.14	98%	0.081	15.90	17.00	0.104	Battery 2#	/
Top Side	10mm	48/5240	802.11a	0.076	0.077	0.028	0.09	98%	0.078	15.81	17.00	0.103	Battery 2#	/
Test data of U-NII-3 band														
Front Side	10mm	161/5805	802.11a	0.022	/	/	0.18	98%	/	9.41	11.50	/	Battery 1#	/
Back Side	10mm	161/5805	802.11a	0.048	/	/	-0.12	98%	/	9.41	11.50	/	Battery 1#	/
Left Side	10mm	40/5200	802.11a	<0.001	/	/	0.18	98%	/	9.41	11.50	/	Battery 1#	/
Right Side	10mm	161/5805	802.11a	0.022	/	/	0.01	98%	/	9.41	11.50	/	Battery 1#	/
Top Side	10mm	161/5805	802.11a	0.081	0.086	0.030	0.16	98%	0.087	9.41	11.50	0.141	Battery 1#	/
Top Side	10mm	161/5805	802.11a	0.086	0.089	0.031	-0.18	98%	0.091	9.41	11.50	0.147	Battery 2#	/
Top Side	10mm	165/5825	802.11a	0.088	**0.095**	0.034	0.07	98%	0.097	9.40	11.50	**0.157**	Battery 1#	Yes
Top Side	10mm	149/5745	802.11a	0.073	0.076	0.026	-0.16	98%	0.078	9.39	11.50	0.126	Battery 1#	/
Ant 6(Core 1)														
Test data of U-NII-1 band														
Front Side	10mm	40/5200	802.11a	0.000	/	/	0.17	98%	/	15.57	16.50	/	Battery 1#	/
Back Side	10mm	40/5200	802.11a	0.010	0.045	0.013	0.15	98%	0.045	15.57	16.50	0.056	Battery 1#	/
Left Side	10mm	40/5200	802.11a	0.021	/	/	0.14	98%	/	15.57	16.50	/	Battery 1#	/
Right Side	10mm	40/5200	802.11a	<0.001	/	/	0.10	98%	/	15.57	16.50	/	Battery 1#	/
Top Side	10mm	40/5200	802.11a	0.001	/	/	0.00	98%	/	15.57	16.50	/	Battery 1#	/
Back Side	10mm	40/5200	802.11a	0.105	0.091	0.030	-0.18	98%	0.093	15.57	16.50	0.115	Battery 2#	/
Back Side	10mm	44/5220	802.11a	0.100	0.094	0.029	-0.15	98%	0.096	15.49	16.50	0.121	Battery 2#	/
Back Side	10mm	48/5240	802.11a	0.068	**0.098**	0.031	-0.17	98%	0.100	15.30	16.50	0.132	Battery 2#	Yes
Test data of U-NII-3 band														
Front Side	10mm	165/5825	802.11a	0.000	/	/	0.00	98%	/	9.24	11.50	/	Battery 1#	/
Back Side	10mm	165/5825	802.11a	0.004	0.015	0.004	0.00	98%	0.015	9.24	11.50	0.026	Battery 1#	/
Left Side	10mm	165/5825	802.11a	0.003	/	/	0.11	98%	/	9.24	11.50	/	Battery 1#	/
Right Side	10mm	40/5200	802.11a	<0.001	/	/	-0.09	98%	/	9.24	11.50	/	Battery 1#	/
Top Side	10mm	165/5825	802.11a	0.001	/	/	0.19	98%	/	9.24	11.50	/	Battery 1#	/
Back Side	10mm	165/5825	802.11a	0.013	0.062	0.018	0.16	98%	0.063	9.24	11.50	0.107	Battery 2#	/
Back Side	10mm	161/5805	802.11a	0.007	0.019	0.006	0.14	98%	0.020	9.09	11.50	0.034	Battery 2#	/
Back Side	10mm	157/5785	802.11a	0.005	0.015	0.003	0.00	98%	0.015	8.82	11.50	0.028	Battery 2#	/

Table 203: Hotspot SAR test results of WiFi 5G SISO

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Note:
1) Per KDB248227D01, for Body-Worn SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure.The highest reported SAR for 802.11a is adjusted by the ratio of other WiFi 5G modes to 802.11a specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G modes are not required.
2) Per KDB 648474 D04, Product Specific 10-g SAR test is not required for U-NII-1 and U-NII-3 since hotspot mode 1-g reported SAR < 1.2 W/kg.
3) The device do not support hotspot function at U-NII-2A & U-NII-2C band.
4) Per KDB 248227D01v02, 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

Test Position of Hotspot	Dist.	Test Mode	WiFi 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+Ant 6(Core 1))
U-NII-1 band					
Front Side	10mm	802.11a	0.112	0.132	0.244
Back Side	10mm	802.11a	0.112	0.132	0.244
Left Side	10mm	802.11a	0.112	0.132	0.244
Right Side	10mm	802.11a	0.112	0.132	0.244
Top Side	10mm	802.11a	0.112	0.132	0.244
U-NII-3 band					
Front Side	10mm	802.11a	0.157	0.107	0.264
Back Side	10mm	802.11a	0.157	0.107	0.264
Left Side	10mm	802.11a	0.157	0.107	0.264
Right Side	10mm	802.11a	0.157	0.107	0.264
Top Side	10mm	802.11a	0.157	0.107	**0.264**

Table 204: Hotspot SAR of WiFi 5G CDD

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Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 10-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Ant 5(Core 0)														
Test data of U-NII-2A band														
Front Side	0mm	56/5280	802.11a	0.047	/	/	0.00	98%	/	16.03	17.00	/	Battery 1#	/
Back Side	0mm	56/5280	802.11a	0.167	/	/	0.12	98%	/	16.03	17.00	/	Battery 1#	/
Left Side	0mm	56/5280	802.11a	0.010	/	/	-0.12	98%	/	16.03	17.00	/	Battery 1#	/
Right Side	0mm	56/5280	802.11a	0.042	/	/	0.06	98%	/	16.03	17.00	/	Battery 1#	/
Top Side	0mm	56/5280	802.11a	0.542	2.960	0.710	0.14	98%	0.724	16.03	17.00	0.906	Battery 1#	/
Top Side	0mm	56/5280	802.11a	0.543	3.140	0.745	0.16	98%	0.760	16.03	17.00	0.950	Battery 2#	/
Top Side	0mm	52/5260	802.11a	0.530	2.970	0.696	0.04	98%	0.710	15.53	17.00	0.996	Battery 2#	/
Top Side	0mm	60/5300	802.11a	0.525	2.690	0.644	0.18	98%	0.657	15.92	17.00	0.843	Battery 2#	/
Test data of U-NII-2C band														
Front Side	0mm	136/5680	802.11a	0.237	/	/	-0.07	98%	/	16.40	17.00	/	Battery 1#	/
Back Side	0mm	136/5680	802.11a	0.220	/	/	0.10	98%	/	16.40	17.00	/	Battery 1#	/
Left Side	0mm	136/5680	802.11a	0.039	/	/	-0.17	98%	/	16.40	17.00	/	Battery 1#	/
Right Side	0mm	136/5680	802.11a	0.045	/	/	-0.17	98%	/	16.40	17.00	/	Battery 1#	/
Top Side	0mm	136/5680	802.11a	0.789	4.200	0.991	0.19	98%	1.011	16.40	17.00	1.161	Battery 1#	/
Top Side	0mm	136/5680	802.11a	1.080	6.880	**1.490**	0.01	98%	1.520	16.40	17.00	**1.746**	Battery 2#	Yes
Top Side	0mm	104/5520	802.11a	0.871	4.850	1.080	0.12	98%	1.102	16.30	17.00	1.295	Battery 2#	/
Top Side	0mm	116/5580	802.11a	0.912	5.010	1.150	0.04	98%	1.173	16.14	17.00	1.430	Battery 2#	/
Ant 6(Core 1)														
Test data of U-NII-2A band														
Front Side	0mm	60/5300	802.11a	0.110	/	/	-0.04	98%	/	15.33	16.50	/	Battery 1#	/
Back Side	0mm	60/5300	802.11a	0.322	1.740	0.406	-0.17	98%	0.414	15.33	16.50	0.542	Battery 1#	/
Left Side	0mm	60/5300	802.11a	0.054	/	/	-0.04	98%	/	15.33	16.50	/	Battery 1#	/
Right Side	0mm	56/5280	802.11a	0.007	/	/	0.14	98%	/	15.33	16.50	/	Battery 1#	/
Top Side	0mm	60/5300	802.11a	0.060	/	/	-0.16	98%	/	15.33	16.50	/	Battery 1#	/
Back Side	0mm	60/5300	802.11a	0.339	0.201	0.472	0.01	98%	0.482	15.33	16.50	0.631	Battery 2#	/
Back Side	0mm	52/5260	802.11a	0.297	2.100	0.471	-0.18	98%	0.481	15.28	16.50	0.636	Battery 1#	/
Back Side	0mm	56/5280	802.11a	0.279	2.250	**0.521**	-0.17	98%	0.532	15.28	16.50	**0.704**	Battery 1#	Yes
Test data of U-NII-2C band														
Front Side	0mm	136/5680	802.11a	0.013	/	/	0.14	98%	/	15.52	16.50	/	Battery 1#	/
Back Side	0mm	136/5680	802.11a	0.134	1.140	0.236	-0.10	98%	0.241	15.52	16.50	0.302	Battery 1#	/
Left Side	0mm	136/5680	802.11a	0.038	/	/	-0.18	98%	/	15.52	16.50	/	Battery 1#	/
Right Side	0mm	136/5680	802.11a	<0.001	/	/	0.11	98%	/	15.52	16.50	/	Battery 1#	/
Top Side	0mm	136/5680	802.11a	0.012	/	/	-0.03	98%	/	15.52	16.50	/	Battery 1#	/
Back Side	0mm	136/5680	802.11a	0.354	1.660	0.377	-0.11	98%	0.385	15.52	16.50	0.482	Battery 2#	/
Back Side	0mm	116/5580	802.11a	0.321	1.630	0.356	-0.15	98%	0.363	15.39	16.50	0.469	Battery 2#	/
Back Side	0mm	132/5660	802.11a	0.383	2.310	0.523	-0.17	98%	0.534	15.50	16.50	0.672	Battery 2#	/

Table 205: Product Specific 10-g SAR test results of WiFi 5G SISO

Note:

1) Per KDB248227D01, for Product Specific 10-g SAR test of WiFi 5G, SAR is measured for 5GHz 802.11a using the initial test position procedure.The highest reported SAR for 802.11a is adjusted by the

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ratio of other WiFi 5G modes to 802.11a specified maximum output power and the adjusted SAR is < 75% limit, so SAR for other WiFi 5G modes are not required.
2) Per KDB 248227D01v02, 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

Product Specific 10-g SAR	Dist.	Test Mode	WiFi 10-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+Ant 6(Core 1))
CDD/MIMO					
Test data of U-NII-2A band					
Front Side	0mm	802.11a	0.996	0.704	1.700
Back Side	0mm	802.11a	0.996	0.704	1.700
Left Side	0mm	802.11a	0.996	0.704	1.700
Right Side	0mm	802.11a	0.996	0.704	1.700
Top Side	0mm	802.11a	0.996	0.704	1.700
Test data of U-NII-2C band					
Front Side	0mm	802.11a	1.746	0.672	2.418
Back Side	0mm	802.11a	1.746	0.672	2.418
Left Side	0mm	802.11a	1.746	0.672	2.418
Right Side	0mm	802.11a	1.746	0.672	2.418
Top Side	0mm	802.11a	1.746	0.672	**2.418**

Table 206: Product Specific 10-g SAR of WiFi 5G CDD calculation

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7.2.18 SAR measurement Result of BT

Test Position of Head	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Duty cycle for test	Low duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g									
Power level A with low duty cycle														
Left cheek	/	11/2413	DH5	0.586	0.259	-0.02	77%	2%	0.015	16.07	17.01	0.019	Battery 1#	/
Left tilt	/	11/2413	DH5	0.674	0.277	-0.07	77%	2%	0.018	16.07	17.01	0.022	Battery 1#	/
Right cheek	/	11/2413	DH5	0.255	0.132	-0.12	77%	2%	0.007	16.07	17.01	0.008	Battery 1#	/
Right tilt	/	11/2413	DH5	0.352	0.178	-0.05	77%	2%	0.009	16.07	17.01	0.011	Battery 1#	/
Left tilt	/	11/2413	DH5	0.668	0.271	-0.05	77%	2%	0.017	16.07	17.01	0.022	Battery 2#	/
Left tilt	/	22/2424	DH5	0.949	0.393	-0.09	77%	2%	0.025	15.33	17.01	**0.036**	Battery 1#	/
Left Tilt Repeat	/	22/2424	DH5	0.941	0.386	-0.06	77%	2%	0.024	15.33	17.01	0.036	Battery 1#	/
Left tilt	/	33/2435	DH5	0.713	0.291	-0.03	77%	2%	0.019	15.65	17.01	0.025	Battery 1#	/

Table 207: Head SAR test results of BT power level A(Scaled to 2% duty cycle)

Test Position of Head	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Duty cycle for test	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Power level B with High duty cycle													
Left cheek	/	39/2441	DH5	0.133	0.056	-0.11	77%	0.173	9.71	11.00	0.232	Battery 1#	/
Left tilt	/	39/2441	DH5	0.139	0.056	-0.16	77%	0.181	9.71	11.00	0.243	Battery 1#	/
Right cheek	/	39/2441	DH5	0.061	0.029	0.12	77%	0.079	9.71	11.00	0.107	Battery 1#	/
Right tilt	/	39/2441	DH5	0.062	0.030	0.00	77%	0.081	9.71	11.00	0.109	Battery 1#	/
Left tilt	/	39/2441	DH5	**0.156**	0.061	0.01	77%	0.203	9.71	11.00	0.273	Battery 2#	Yes
Left tilt	/	11/2413	DH5	0.094	0.038	-0.06	77%	0.122	9.17	11.00	0.186	Battery 1#	/
Left tilt	/	67/2469	DH5	0.150	0.058	-0.09	77%	0.195	9.04	11.00	**0.306**	Battery 1#	/

Table 208: Head SAR test results of BT power level B(Scaled to 100% duty cycle)

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Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Duty cycle for test	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data for power level A													
Front Side	15mm	11/2413	DH5	0.039	0.022	0.06	77%	0.051	16.07	17.01	0.063	Battery 1#	/
Back Side	15mm	11/2413	DH5	0.047	0.027	-0.15	77%	0.061	16.07	17.01	0.075	Battery 1#	/
Back Side	15mm	11/2413	DH5	0.046	0.026	0.08	77%	0.060	16.07	17.01	0.074	Battery 2#	/
Back Side	15mm	22/2424	DH5	**0.087**	0.049	-0.10	77%	0.112	15.33	17.01	**0.166**	Battery 1#	Yes
Back Side	15mm	32/2434	DH5	0.068	0.039	-0.19	77%	0.088	15.65	17.01	0.121	Battery 1#	/
Test data for power level B													
Front Side	15mm	39/2441	DH5	0.012	0.013	0.01	77%	0.016	9.71	11.00	0.022	Battery 1#	/
Back Side	15mm	39/2441	DH5	0.016	0.008	-0.15	77%	0.021	9.71	11.00	0.028	Battery 1#	/
Back Side	15mm	39/2441	DH5	0.015	0.008	0.17	77%	0.019	9.71	11.00	0.026	Battery 2#	/
Back Side	15mm	11/2413	DH5	0.012	0.007	0.14	77%	0.016	9.17	11.00	0.024	Battery 1#	/
Back Side	15mm	67/2469	DH5	**0.018**	0.010	0.11	77%	0.023	9.04	11.00	**0.037**	Battery 1#	/

Table 209: Body-Worn SAR test results of BT(Scaled to 100% duty cycle)

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Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Duty cycle for test	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data for power level A													
Front Side	10mm	11/2413	DH5	0.084	0.046	-0.01	77%	0.109	16.07	17.01	0.136	Battery 1#	/
Back Side	10mm	11/2413	DH5	0.109	0.061	-0.08	77%	0.142	16.07	17.01	0.135	Battery 1#	/
Right Side	10mm	11/2413	DH5	0.064	0.027	0.05	77%	0.083	16.07	17.01	0.080	Battery 1#	/
Top Side	10mm	11/2413	DH5	0.172	0.090	0.14	77%	0.223	16.07	17.01	0.214	Battery 1#	/
Top Side	10mm	11/2413	DH5	0.140	0.073	-0.14	77%	0.182	16.07	17.01	0.174	Battery 2#	/
Top Side	10mm	22/2424	DH5	**0.232**	0.127	-0.13	77%	0.301	15.33	17.01	**0.342**	Battery 1#	Yes
Top Side	10mm	32/2434	DH5	0.229	0.121	-0.11	77%	0.297	15.65	17.01	0.313	Battery 1#	/
Test data for power level B													
Front Side	10mm	39/2441	DH5	0.016	0.009	-0.09	77%	0.021	9.71	11.00	0.028	Battery 1#	/
Back Side	10mm	39/2441	DH5	0.027	0.012	-0.17	77%	0.035	9.71	11.00	0.036	Battery 1#	/
Right Side	10mm	39/2441	DH5	0.019	0.006	0.17	77%	0.025	9.71	11.00	0.026	Battery 1#	/
Top Side	10mm	39/2441	DH5	**0.032**	0.016	0.00	77%	0.041	9.71	11.00	0.043	Battery 1#	/
Top Side	10mm	39/2441	DH5	0.029	0.015	-0.12	77%	0.037	9.71	11.00	0.038	Battery 2#	/
Top Side	10mm	11/2413	DH5	0.025	0.013	-0.04	77%	0.033	9.17	11.00	0.038	Battery 1#	/
Top Side	10mm	67/2469	DH5	0.031	0.015	-0.18	77%	0.041	9.04	11.00	**0.049**	Battery 1#	/

Table 210: Hotspot SAR test results of BT(Scaled to 100% duty cycle)

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

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7.3 Multiple Transmitter Evaluation

The detailed location of the Tx antennas inside the device refers to Appendix E.

The list information of following tables which is relevant for the decision if a simultaneous transmit evaluation is necessary according to FCC KDB 447498D01 General RF Exposure Guidance.

Mode	Exposure Condition	Front Side	Back Side	Left Side	Right Side	Top Side	Bottom Side
MHB Main Ant (Ant 1)	Hotspot/ Product specific 10g SAR	Yes	Yes	No	Yes	No	Yes
LB Main Ant (Ant 2)	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	No	No	Yes
Up MHB Ant (Ant 3)	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	No	Yes	No
Up LB Ant (Ant 4)	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	Yes	Yes	No
WiFi 2.4G/5G Core 0/BT Ant (Ant 5)	Hotspot/ Product specific 10g SAR	Yes	Yes	No	Yes	Yes	No
WiFi 2.4G/5G Core 1 ant (Ant 6)	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	No	Yes	No
WiFi 2.4G/5G CDD/MIMO	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	Yes	Yes	No

Table 211: Sides for Hotspot/Product specific 10g SAR testing

Note:

1) Per KDB 648474 D04, because the diagonal distance of this device is ≥160mm,so it is a phablet .

2) Per KDB 941225 D06 and KDB 648474 D04, particular DUT edges were not required to be evaluated for Hotspot SAR if the antenna-to-edge distance is greater than 2.5cm;

3) WiFi 2.4G CDD/MIMO does not support hotspot function, therefore WiFi 2.4G CDD/MIMO were not evaluated for hotspot SAR.

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7.3.1 Simultaneous Transmission Possibilities

The Simultaneous Transmission Possibilities of this device are as below:

NO.	Simultaneous TX Combination	Head	Body-worn	Hotspot	Product Specific 10-g (0mm)
1	GSM Voice(Ant 1or 2) + BT	Yes	Yes	N/A	Yes
2	GSM DATA(Ant 1or 2) + BT	N/A	Yes	Yes	Yes
3	GSM Voice(Ant 3or 4) + BT	Yes	Yes	N/A	Yes
4	GSM DATA (Ant 3or 4)+ BT	N/A	Yes	Yes	Yes
5	GSM Voice(Ant 1or 2) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi- Fi 2.4G CDD/MIMO	Yes	Yes	N/A	Yes
6	GSM DATA(Ant 1or2) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	N/A	Yes	Yes	Yes
7	GSM Voice(Ant 3or4) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	N/A	Yes
8	GSM DATA (Ant 3or 4)+ Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	N/A	Yes	Yes	Yes
9	UMTS (Ant 1 or 2) + BT	Yes	Yes	Yes	Yes
10	UMTS (Ant 3 or 4) + BT	Yes	Yes	Yes	Yes
11	UMTS (Ant 1 or 2) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	Yes	Yes
12	UMTS (Ant 3or4) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	Yes	Yes
13	LTE (Ant 1or2) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	Yes	Yes
14	LTE(Ant 1or2) + BT	Yes	Yes	Yes	Yes
15	LTE (Ant 3or4) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	Yes	Yes
16	LTE (Ant 3or4) + BT	Yes	Yes	Yes	Yes
17	GSM Voice(Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	N/A	Yes
18	GSM DATA(Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
19	GSM Voice(Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	N/A	Yes
20	GSM DATA (Ant 3or4)+ BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
21	UMTS (Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
22	UMTS (Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
23	LTE (Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
24	LTE (Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
25	GSM Voice(Ant 1or 2) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	N/A	Yes
26	GSM DATA(Ant 1 or 2) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi- Fi 5G CDD/MIMO	N/A	Yes	Yes	Yes
27	GSM Voice(Ant 3 or 4) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	N/A	Yes
28	GSM DATA(Ant 3 or 4) + Wi-Fi 5G (Ant 5(Core 0))/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	N/A	Yes	Yes	Yes
29	UMTS (Ant 1 or 2) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	Yes	Yes
30	UMTS (Ant 3 or 4) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	Yes	Yes

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31	LTE (Ant 1 or 2) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	Yes	Yes
32	LTE (Ant 3 or 4) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	Yes	Yes
33	GSM Voice(Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	N/A	Yes
34	GSM DATA(Ant 1 or 2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	N/A	Yes	Yes	Yes
35	GSM Voice(Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	N/A	Yes
36	GSM DATA(Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	N/A	Yes	Yes	Yes
37	UMTS (Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	Yes	Yes
38	UMTS (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	Yes	Yes
39	LTE (Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	Yes	Yes
40	LTE (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	Yes	Yes
41	GSM Voice(Ant 1or2) + BT+ Wi-Fi 5G (Ant 5/Ant 6/ CDD/MIMO)	Yes	Yes	N/A	Yes
42	GSM DATA(Ant 1or2) + BT+ Wi-Fi 5G (Ant 5/Ant 6/ CDD/MIMO)	N/A	Yes	Yes	Yes
43	GSM Voice(Ant 3or4) + BT+ Wi-Fi 5G (Ant 5/Ant 6/ CDD/MIMO)	Yes	Yes	N/A	Yes
44	GSM DATA (Ant 3or4)+ BT+ Wi-Fi 5G (Ant 5/Ant 6/CDD/MIMO)	N/A	Yes	Yes	Yes
45	UMTS (Ant 1or2) + BT+ Wi-Fi 5G (Ant 5/Ant 6/ CDD/MIMO)	Yes	Yes	Yes	Yes
46	UMTS (Ant 3or4) + BT+ Wi-Fi 5G (Ant 5/Ant 6/CDD/MIMO)	Yes	Yes	Yes	Yes
47	LTE (Ant 1or2) + BT+ Wi-Fi 5G (Ant 5/ Ant 6/ CDD/MIMO)	Yes	Yes	Yes	Yes
48	LTE (Ant 3or4) + BT+ Wi-Fi 5G (Ant 5/ Ant 6/ CDD/MIMO)	Yes	Yes	Yes	Yes
49	GSM DATA(Ant 1or2)+Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+ BT	Yes	Yes	N/A	Yes
50	GSM DATA(Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	N/A	Yes	Yes	Yes
51	GSM Voice（(Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+ BT	Yes	Yes	N/A	Yes
52	GSM Voice (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	N/A	Yes	Yes	Yes
53	UMTS (Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	Yes	Yes	Yes	Yes
54	UMTS (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	Yes	Yes	Yes	Yes
55	LTE (Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	Yes	Yes	Yes	Yes
56	LTE (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	Yes	Yes	Yes	Yes

Table 212: Simultaneous Transmission Possibilities

Note:

1) Wi-Fi 2.4G Ant6(Core1) can transmit simultaneously with Bluetooth.

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2) Wi-Fi 5G Ant5(Core0) can transmit simultaneously with Bluetooth and Ant6(Core1) 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 Ant6(Core1) station mode and Wi-Fi 5G Ant5(Core0) P-to-P mode or Wi-Fi 2.4G Ant6(Core1) P-to-P mode and Wi-Fi 5G Ant5(Core0) station 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&2) and Second Antenna (Ant 3&4) 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 2.4G hotspot does not support CDD/MIMO mode.
12) Ant 5=WiFi Core 0/ BT; Ant 6 = WiFi Core 1.

The simultaneous transmission possibilities for BT at lower power level B and high power level A are different. The simultaneous transmission possibilities for BT high power level A is as below table:

NO.	Simultaneous TX Combination	Head	Body- worn	Hotspot	Product Specific 10-g (0mm)
1	GSM Voice(Ant 1or 2) + BT	Yes	Yes	N/A	Yes
2	GSM DATA(Ant 1or 2) + BT	N/A	Yes	Yes	Yes
3	GSM Voice(Ant 3or 4) + BT	Yes	Yes	N/A	Yes
4	GSM DATA (Ant 3or 4)+ BT	N/A	Yes	Yes	Yes
5	UMTS (Ant 1 or 2) + BT	Yes	Yes	Yes	Yes
6	UMTS (Ant 1or 2) + BT	Yes	Yes	Yes	Yes
7	LTE(Ant 1or2) + BT	Yes	Yes	Yes	Yes
8	LTE (Ant 3or4) + BT	Yes	Yes	Yes	Yes
9	GSM Voice(Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	N/A	Yes
10	GSM DATA(Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
11	GSM Voice(Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	N/A	Yes
12	GSM DATA (Ant 3or4)+ BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
13	UMTS (Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes

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14	UMTS (Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
15	LTE (Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
16	LTE (Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
17	GSM Voice(Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	N/A	Yes
18	GSM DATA(Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	N/A	Yes	Yes	Yes
19	GSM Voice(Ant 3or4) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	N/A	Yes
20	GSM DATA (Ant 3or4)+ BT+ Wi-Fi 5G (Ant 6)	N/A	Yes	Yes	Yes
21	UMTS (Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	Yes	Yes
22	UMTS (Ant 3or4) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	Yes	Yes
23	LTE (Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	Yes	Yes
24	LTE (Ant 3or4) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	Yes	Yes

Table 213: Simultaneous Transmission Possibilities with BT Power Level A

1) When BT is in high power level A, BT and Wi-Fi 5G Ant 5(Core 0)/WIFI 5G CDD/MIMO cannot transmit simultaneously because BT occupies Wifi 5G Ant 5(Core 0) ’s RF channel. They are time division multiplexing.

2) When WiFi 2.4G and 5G are both on at the same time, BT can only work at power B. BT High Power A will be limited by design.

3) Ant5=WiFi Core 0/BT; Ant6=WiFi Core 1.

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7.3.2 SAR Summation Scenario

Test Position		Second antenna SAR_{Max}															Second antenna MaxSAR
		GSM850	GSM1900	UMTS Band II	UMTS Band IV	UMTS Band V	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 17	LTE Band 26	LTE Band 38	LTE Band 41	LTE Band 66	
Head	Left cheek	0.306	0.141	0.130	0.191	0.235	0.163	0.214	0.338	0.119	0.261	0.387	0.398	0.169	0.158	0.213	0.398
	Left tilt	0.283	0.193	0.177	0.321	0.201	0.203	0.264	0.339	0.136	0.202	0.353	0.328	0.212	0.144	0.336	0.353
	Right cheek	0.298	0.228	0.266	0.220	0.281	0.296	0.248	0.437	0.264	0.372	0.351	0.486	0.370	0.328	0.265	0.486
	Right tilt	0.273	0.301	0.234	0.451	0.247	0.370	0.217	0.341	0.290	0.527	0.423	0.473	0.440	0.417	0.388	0.527
Body Worn	Front Side	0.047	0.018	0.102	0.198	0.150	0.040	0.150	0.163	0.061	0.099	0.062	0.128	0.124	0.156	0.168	0.198
	Back Side	0.054	0.031	0.193	0.354	0.204	0.168	0.292	0.229	0.105	0.100	0.069	0.154	0.153	0.197	0.357	0.357
Hotspot	Front Side	0.122	0.052	0.086	0.125	0.149	0.066	0.195	0.167	0.132	0.096	0.126	0.151	0.162	0.170	0.143	0.195
	Back Side	0.118	0.070	0.138	0.360	0.192	0.124	0.285	0.186	0.220	0.143	0.140	0.208	0.322	0.232	0.313	0.360
	Left Side	0.074	0.018	0.014	0.060	0.090	0.029	0.056	0.103	0.137	0.034	0.045	0.087	0.183	0.177	0.062	0.183
	Right Side	0.011	/	/	/	0.015	/	/	0.017	/	0.014	0.020	0.011	/	/	/	0.020
	Top Side	0.082	0.130	0.205	0.365	0.126	0.171	0.342	0.166	0.576	0.081	0.104	0.098	0.426	0.467	0.418	0.576
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Product Specific 10-g	Front Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Back Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Left Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Right Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Table 214: Second antenna Max SAR

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Test Position		Main antenna SAR_{Max}															Main antenna MaxSAR
		GSM 850	GSM 1900	UMTS Band II	UMTS Band IV	UMTS Band V	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 17	LTE Band 26	LTE Band 38	LTE Band 41	LTE Band 66	
Head	Left cheek	0.092	0.084	0.220	0.294	0.117	0.175	0.328	0.147	0.115	0.166	/	0.145	0.064	0.071	0.230	0.328
	Left tilt	0.042	0.044	0.102	0.180	0.060	0.095	0.156	0.071	0.083	0.069	/	0.094	0.054	0.054	0.122	0.180
	Right cheek	0.107	0.070	0.174	0.251	0.141	0.166	0.202	0.154	0.246	0.138	/	0.190	0.159	0.140	0.187	0.251
	Right tilt	0.044	0.041	0.105	0.172	0.056	0.093	0.143	0.065	0.047	0.057	/	0.086	0.029	0.026	0.120	0.172
Body Worn	Front Side	0.216	0.102	0.277	0.514	0.243	0.231	0.383	0.295	0.158	0.254	/	0.284	0.105	0.125	0.361	0.514
	Back Side	0.321	0.158	0.414	0.477	0.369	0.368	0.555	0.435	0.412	0.366	/	0.407	0.250	0.307	0.474	0.555
Hotspot	Front Side	0.330	0.231	0.253	0.389	0.312	0.297	0.359	0.432	0.229	0.437	/	0.439	0.133	0.157	0.265	0.439
	Back Side	0.537	0.298	0.404	0.512	0.432	0.418	0.477	0.581	0.319	0.555	/	0.585	0.257	0.341	0.335	0.585
	Left Side	0.341	/	/	/	0.359	/	/	0.432	/	0.574	/	0.410	/	/	/	0.574
	Right Side	/	0.153	0.186	0.085	/	0.194	0.222	/	0.102	/	/	/	0.062	0.086	0.258	0.258
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Bottom Side	0.285	0.593	/	0.684	0.234	0.648	0.295	0.308	0.634	0.179	/	0.320	0.587	0.498	0.411	0.684
Product Specific 10-g	Front Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Back Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Left Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Right Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Bottom Side	/	/	/	1.817	/	/	/	/	/	/	/	/	/	/	/	1.817

Table 215: Main antenna Max SAR

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Test Position		Second antenna MaxSAR	WiFi 2.4G Ant 5(Core 0)	WiFi 2.4G Ant 6(Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5(Core 0)	WiFi 5G Ant 6(Core 1)	WiFi 5G MIMO	BT Power Level B	Simultaneously Transmission SAR						
		1	2	3	4	5	6	7	8	1+8	1+MAX (2/3/4)	1+3+8	1+max (5/6/7)	1+3+5	1+max (5/6/7)+8	1+3+5+8
Head	Left cheek	0.398	0.511	0.084	0.427	0.195	0.048	0.243	0.232	0.630	0.909	0.714	0.641	0.677	0.873	0.909
	Left tilt	0.353	0.404	0.084	0.427	0.195	0.048	0.243	0.306	0.659	0.780	0.743	0.596	0.632	0.902	0.938
	Right cheek	0.486	0.511	0.084	0.427	0.195	0.048	0.243	0.107	0.593	0.997	0.677	0.729	0.765	0.836	0.872
	Right tilt	0.527	0.511	0.084	0.427	0.195	0.048	0.243	0.109	0.636	**1.038**	0.720	0.770	0.806	0.879	0.915
Body Worn	Front Side	0.198	0.221	0.175	0.079	0.163	0.084	0.238	0.016	0.214	0.419	0.389	0.436	0.536	0.452	0.552
	Back Side	0.357	0.221	0.175	0.225	0.163	0.084	0.238	0.023	0.380	0.582	0.555	0.595	0.695	0.618	0.718
Hotspot	Front Side	0.195	0.444	0.195	/	0.157	0.132	0.264	0.021	0.216	0.639	0.411	0.459	0.547	0.480	0.568
	Back Side	0.360	0.376	0.195	/	0.157	0.132	0.264	0.035	0.395	0.736	0.590	0.624	0.712	0.659	0.747
	Left Side	0.183	/	0.195	/	/	0.132	0.264	/	0.183	0.378	0.378	0.447	0.378	0.447	0.378
	Right Side	0.020	0.444	/	/	0.157	/	0.264	0.025	0.045	0.464	0.045	0.284	0.177	0.309	0.202
	Top Side	0.576	0.444	0.195	/	0.157	0.132	0.264	0.041	0.617	1.020	0.812	0.840	0.928	0.881	0.969
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Product Specific 10-g	Front Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Back Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Left Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Right Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Top Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Table 216: SAR Simultaneous Tx Combination of Second antenna with WiFi/BT Scenario (BT: Power level B)

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Test Position		Main antenna MaxSAR	WiFi 2.4G Ant 5(Core 0)	WiFi 2.4G Ant 6(Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5(Core 0)	WiFi 5G Ant 6(Core 1)	WiFi 5G MIMO	BT Power Level B	Simultaneously Transmission SAR						
		1	2	3	4	5	6	7	8	1+8	1+MAX (2/3/4)	1+3+8	1+max (5/6/7)	1+3+5	1+max (5/6/7) +8	1+3+5+8
Head	Left cheek	0.328	0.511	0.084	0.427	0.195	0.048	0.243	0.232	0.560	0.839	0.644	0.571	0.607	0.803	0.839
	Left tilt	0.180	0.404	0.084	0.427	0.195	0.048	0.243	0.306	0.486	0.607	0.570	0.423	0.459	0.729	0.765
	Right cheek	0.251	0.511	0.084	0.427	0.195	0.048	0.243	0.107	0.358	0.762	0.442	0.494	0.530	0.601	0.637
	Right tilt	0.172	0.511	0.084	0.427	0.195	0.048	0.243	0.109	0.281	0.683	0.365	0.415	0.451	0.524	0.560
Body Worn	Front Side	0.514	0.221	0.175	0.079	0.163	0.084	0.238	0.016	0.530	0.735	0.705	0.752	0.852	0.768	0.868
	Back Side	0.555	0.221	0.175	0.225	0.163	0.084	0.238	0.023	0.578	0.780	0.753	0.793	0.893	0.816	0.916
Hotspot	Front Side	0.439	0.444	0.195	/	0.157	0.132	0.264	0.021	0.460	0.883	0.655	0.703	0.791	0.724	0.812
	Back Side	0.585	0.376	0.195	/	0.157	0.132	0.264	0.035	0.620	0.961	0.815	0.849	0.937	0.884	**0.972**
	Left Side	0.574	/	0.195	/	/	0.132	0.264	/	0.574	0.769	0.769	0.838	0.769	0.838	0.769
	Right Side	0.258	0.444	/	/	0.157	/	0.264	0.025	0.283	0.702	0.283	0.522	0.415	0.547	0.440
	Top Side	0.000	0.444	0.195	/	0.157	0.132	0.264	0.041	0.041	0.444	0.236	0.264	0.352	0.305	0.393
	Bottom Side	0.684	/	/	/	/	/	/	/	0.684	0.684	0.684	0.684	0.684	0.684	0.684
Product Specific 10-g	Front Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Back Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Left Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Right Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Top Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Bottom Side	1.817	/	/	/	/	/	/	/	1.817	1.817	1.817	1.817	1.817	1.817	1.817

Table 217: SAR Simultaneous Tx Combination of Main antenna with WiFi/BT Scenario (BT: Power level B)

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Test Position		Second antenna MaxSAR	WiFi 2.4G Ant 5(Core 0)	WiFi 2.4G Ant 6(Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5(Core 0)	WiFi 5G Ant 6(Core 1)	WiFi 5G MIMO	BT Power Level A	Simultaneously Transmission SAR				
		1	2	3	4	5	6	7	8	1+8	3+8	6+8	1+3+8	1+6+8
Head	Left cheek	0.398	0.511	0.084	0.427	0.195	0.048	0.243	0.015	0.413	0.099	0.063	0.497	0.461
	Left tilt	0.353	0.404	0.084	0.427	0.195	0.048	0.243	0.025	0.378	0.109	0.073	0.462	0.426
	Right cheek	0.486	0.511	0.084	0.427	0.195	0.048	0.243	0.007	0.493	0.091	0.055	0.577	0.541
	Right tilt	0.527	0.511	0.084	0.427	0.195	0.048	0.243	0.009	0.536	0.093	0.057	0.620	0.584
Body Worn	Front Side	0.198	0.221	0.175	0.079	0.163	0.084	0.238	0.063	0.261	0.238	0.147	0.436	0.345
	Back Side	0.357	0.221	0.175	0.225	0.163	0.084	0.238	0.166	0.523	0.341	0.250	0.698	0.607
Hotspot	Front Side	0.195	0.444	0.195	/	0.157	0.132	0.264	0.136	0.331	0.331	0.268	0.526	0.463
	Back Side	0.360	0.376	0.195	/	0.157	0.132	0.264	0.135	0.495	0.330	0.267	0.690	0.627
	Left Side	0.183	/	0.195	/	/	0.132	0.264	/	0.183	0.195	0.132	0.378	0.315
	Right Side	0.020	0.444	/	/	0.157	/	0.264	0.080	0.100	0.080	0.080	0.100	0.100
	Top Side	0.576	0.444	0.195	/	0.157	0.132	0.264	0.342	0.918	0.537	0.474	**1.113**	1.050
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/
Product Specific 10-g	Front Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Back Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Left Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Right Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Top Side	/	/	/	2.351	1.746	0.704	**2.418**	/	/	/	0.704	/	0.704
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/

Table 218: SAR Simultaneous Tx Combination of Second antenna with WiFi/BT Scenario (BT: Power level A)

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Test Position		main antenna MaxSAR	WiFi 2.4G Ant 5(Core 0)	WiFi 2.4G Ant 6(Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5(Core 0)	WiFi 5G Ant 6(Core 1)	WiFi 5G MIMO	BT Power Level A	Simultaneously Transmission SAR				
		1	2	3	4	5	6	7	8	1+8	3+8	6+8	1+3+8	1+6+8
Head	Left cheek	0.328	0.511	0.084	0.427	0.195	0.048	0.243	0.015	0.343	0.099	0.063	0.427	0.391
	Left tilt	0.180	0.404	0.084	0.427	0.195	0.048	0.243	0.025	0.205	0.109	0.073	0.289	0.253
	Right cheek	0.251	0.511	0.084	0.427	0.195	0.048	0.243	0.007	0.258	0.091	0.055	0.342	0.306
	Right tilt	0.172	0.511	0.084	0.427	0.195	0.048	0.243	0.009	0.181	0.093	0.057	0.265	0.229
Body Worn	Front Side	0.514	0.221	0.175	0.079	0.163	0.084	0.238	0.063	0.577	0.238	0.147	0.752	0.661
	Back Side	0.555	0.221	0.175	0.225	0.163	0.084	0.238	0.166	0.721	0.341	0.250	0.896	0.805
Hotspot	Front Side	0.439	0.444	0.195	/	0.157	0.132	0.264	0.136	0.575	0.331	0.268	0.770	0.707
	Back Side	0.585	0.376	0.195	/	0.157	0.132	0.264	0.135	0.720	0.330	0.267	**0.915**	0.852
	Left Side	0.574	/	0.195	/	/	0.132	0.264	/	0.574	0.195	0.132	0.769	0.706
	Right Side	0.258	0.444	/	/	0.157	/	0.264	0.080	0.338	0.080	0.080	0.338	0.338
	Top Side	0.000	0.444	0.195	/	0.157	0.132	0.264	0.342	0.342	0.537	0.474	0.537	0.474
	Bottom Side	0.684	/	/	/	/	/	/	/	/	/	/	0.684	0.684
Product Specific 10-g	Front Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Back Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Left Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Right Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Top Side	/	/	/	2.351	1.746	0.704	**2.418**	/	/	/	0.704	/	0.704
	Bottom Side	1.817	/	/	/	/	/	/	/	1.817	/	/	1.817	1.817

Table 219: SAR Simultaneous Tx Combination of Main antenna with WiFi/BT Scenario (BT: Power level A)

7.3.3 Simultaneous Transmission Conclusion

The above numeral summed SAR results and RF exposure ratio calculation results are sufficient to determine that simultaneous transmission RF exposure test exclusion applies per KDB 447498 D01.

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Appendix A. System Check Plots
(Please See Appendix No.: SYBH(Z-SAR)20181115007001-2A, total: 51 pages)

Appendix B. SAR Measurement Plots
(Please See Appendix No.: SYBH(Z-SAR)20181115007001-2B, total: 119 pages)

Appendix C. Calibration Certificate
(Please See Appendix No.: SYBH(Z-SAR)20181115007001-2C, total: 297 pages)

Appendix D. Photo documentation
(Please See Appendix No.: SYBH(Z-SAR)20181115007001-2D, total: 7 pages)

Appendix E. Antenna Location
(Please See Appendix No.: SYBH(Z-SAR)20181115007001-2E, total: 1 pages)

End

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