



中国认可
国际互认
检测
TESTING
CNAS L0310



FCC SAR Compliance Test Report

Product Name: Smart Phone

Model: EVA-L29

Report No.: SYBH(Z-SAR)032122015-2

FCC ID: QISEVA-LX9

	APPROVED (Lab Manager)	PREPARED (Test Engineer)
BY	<i>Wei Huanbin</i>	<i>Li wei</i>
DATE	2016-03-14	2016-03-14

Reliability Laboratory of Huawei Technologies Co., Ltd.

Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District,
Shenzhen, 518129, P.R.C

Tel: +86 755 28780808 Fax: +86 755 89652518

※ ※ Notice ※ ※

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.
3. The laboratory (Reliability Lab of Huawei Technologies Co., Ltd) is also named as “Global Compliance and Testing Center of Huawei Technologies Co., Ltd”, the both names have coexisted since 2009.
4. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
5. The test report is invalid if there is any evidence of erasure and/or falsification.
6. The test report is only valid for the test samples.
7. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

Table of Contents

1	General Information	7
1.1	Statement of Compliance	7
1.2	RF exposure limits	8
1.3	EUT Description	9
1.3.1	General Description	12
1.3.2	TDD LTE specification	13
1.3.3	Power reduction specification	13
1.3.4	Downlink LTE CA specification	15
1.3.5	Dynamic antenna switching specification	19
1.3.6	Dynamic antenna tuning specification	19
1.4	Test specification(s)	20
1.5	Testing laboratory	20
1.6	Applicant and Manufacturer	20
1.7	Application details	20
1.8	Ambient Condition	20
2	SAR Measurement System	21
2.1	SAR Measurement Set-up	21
2.2	Test environment	22
2.3	Data Acquisition Electronics description	22
2.4	Probe description	23
2.5	Phantom description	24
2.6	Device holder description	25
2.7	Test Equipment List	26
3	SAR Measurement Procedure	27
3.1	Scanning procedure	27
3.2	Spatial Peak SAR Evaluation	28
3.3	Data Storage and Evaluation	29
4	System Verification Procedure	31
4.1	Tissue Verification	31
4.2	System Check	35
4.3	System check Procedure	37
5	SAR measurement variability and uncertainty	38
5.1	SAR measurement variability	38
5.2	SAR measurement uncertainty	38
6	SAR Test Configuration	39
6.1	Test Positions Configuration	39
6.1.1	General considerations	39
6.1.2	Head Exposure Condition	39
6.1.3	Body-worn Exposure Condition	40
6.1.4	Hotspot Exposure Condition	41
6.2	3G SAR Test Reduction Procedure	41
6.3	GSM Test Configuration	42
6.4	UMTS Test Configuration	42
6.5	LTE Test Configuration	48
6.6	WiFi Test Configuration	51
6.6.1	Initial Test Position Procedure	51
6.6.2	Initial Test Configuration Procedure	51
6.6.3	Sub Test Configuration Procedure	51
6.6.4	WiFi 2.4G SAR Test Procedures	52
6.6.5	WiFi 5G SAR Test Procedures	53
7	SAR Measurement Results	55
7.1	Conducted power measurements	55
7.1.1	Conducted power measurements of GSM850(Second Antenna and Modem 1)	56
7.1.2	Conducted power measurements of GSM850(Second Antenna and Modem 2)	62
7.1.3	Conducted power measurements of GSM1900(Second Antenna and Modem 1)	66
7.1.4	Conducted power measurements of GSM1900(Second Antenna and Modem 2)	72
7.1.5	Conducted power measurements of UMTS Band II(Second Antenna)	76
7.1.6	Conducted power measurements of UMTS Band IV(Second Antenna)	82
7.1.7	Conducted power measurements of UMTS Band V(Second Antenna)	88

7.1.8	Conducted power measurements of LTE Band II(Second Antenna)	94
7.1.9	Conducted power measurements of LTE Band IV(Second Antenna)	112
7.1.10	Conducted power measurements of LTE Band V(Second Antenna)	130
7.1.11	Conducted power measurements of LTE Band VII(Second Antenna)	142
7.1.12	Conducted power measurements of LTE Band XII(Second Antenna)	154
7.1.13	Conducted power measurements of LTE Band XVII(Second Antenna)	166
7.1.14	Conducted power measurements of LTE Band XXVI(Second Antenna)	172
7.1.15	Conducted power measurements of LTE Band XXXVIII(Second Antenna)	190
7.1.16	Conducted power measurements of LTE Band XLI(Second Antenna)	202
7.1.17	Conducted power measurements of GSM850(Main Antenna and Modem1)	214
7.1.18	Conducted power measurements of GSM850(Main Antenna and Modem2)	215
7.1.19	Conducted power measurements of GSM1900(Main Antenna and Modem 1)	217
7.1.20	Conducted power measurements of GSM1900(Main Antenna and Modem2)	220
7.1.21	Conducted power measurements of UMTS Band II(Main Antenna)	221
7.1.22	Conducted power measurements of UMTS Band IV(Main Antenna)	226
7.1.23	Conducted power measurements of UMTS Band V(Main Antenna)	230
7.1.24	Conducted power measurements of LTE Band II(Main Antenna)	231
7.1.25	Conducted power measurements of LTE Band IV(Main Antenna)	246
7.1.26	Conducted power measurements of LTE Band V(Main Antenna)	261
7.1.27	Conducted power measurements of LTE Band VII(Main Antenna)	263
7.1.28	Conducted power measurements of LTE Band XII(Main Antenna)	273
7.1.29	Conducted power measurements of LTE Band XVII(Main Antenna)	275
7.1.30	Conducted power measurements of LTE Band XXVI(Main Antenna)	276
7.1.31	Conducted power measurements of LTE Band XXXVIII(Main Antenna)	279
7.1.32	Conducted power measurements of LTE Band XLI(Main Antenna)	287
7.1.33	Conducted power measurements of Downlink LTE CA	291
7.1.34	Conducted power measurements of WiFi 2.4G	293
7.1.35	Conducted power measurements of WiFi 5G	294
7.1.36	Conducted power measurements of BT	300
7.2	SAR measurement Results	301
7.2.1	SAR measurement Result of GSM850(Second Antenna and Modem1)	303
7.2.2	SAR measurement Result of GSM850(Second Antenna and Modem2)	306
7.2.3	SAR measurement Result of GSM1900(Second Antenna and Modem1)	308
7.2.4	SAR measurement Result of GSM1900(Second Antenna and Modem2)	310
7.2.5	SAR measurement Result of UMTS Band II(Second Antenna)	312
7.2.6	SAR measurement Result of UMTS Band IV(Second Antenna)	314
7.2.7	SAR measurement Result of UMTS Band V(Second Antenna)	316
7.2.8	SAR measurement Result of LTE Band II(Second Antenna)	318
7.2.9	SAR measurement Result of LTE Band IV(Second Antenna)	321
7.2.10	SAR measurement Result of LTE Band V(Second Antenna)	324
7.2.11	SAR measurement Result of LTE Band VII(Second Antenna)	328
7.2.12	SAR measurement Result of LTE Band XII(Second Antenna)	331
7.2.13	SAR measurement Result of LTE Band XVII(Second Antenna)	335
7.2.14	SAR measurement Result of LTE Band XXVI(Second Antenna)	338
7.2.15	SAR measurement Result of LTE Band XXXVIII(Second Antenna)	341
7.2.16	SAR measurement Result of LTE Band XLI(Second Antenna)	345
7.2.17	SAR measurement Result of GSM850(Main Antenna and Modem1)	348
7.2.18	SAR measurement Result of GSM850(Main Antenna and Modem2)	350
7.2.19	SAR measurement Result of GSM1900(Main Antenna and Modem1)	352
7.2.20	SAR measurement Result of GSM850(Main Antenna and Modem2)	355
7.2.21	SAR measurement Result of UMTS Band II(Main Antenna)	357
7.2.22	SAR measurement Result of UMTS Band IV(Main Antenna)	359
7.2.23	SAR measurement Result of UMTS Band V(Main Antenna)	361
7.2.24	SAR measurement Result of LTE Band II(Main Antenna)	363
7.2.25	SAR measurement Result of LTE Band IV(Main Antenna)	366
7.2.26	SAR measurement Result of LTE Band V(Main Antenna)	369
7.2.27	SAR measurement Result of LTE Band VII(Main Antenna)	372
7.2.28	SAR measurement Result of LTE Band XII(Main Antenna)	375
7.2.29	SAR measurement Result of LTE Band XVII(Main Antenna)	378
7.2.30	SAR measurement Result of LTE Band XXVI(Main Antenna)	381
7.2.31	SAR measurement Result of LTE Band XXXVIII(Main Antenna)	384
7.2.32	SAR measurement Result of LTE Band XLI(Main Antenna)	387
7.2.33	SAR measurement Result of WiFi 2.4G	390

7.2.34	SAR measurement Result of WiFi 5G	393
7.3	Multiple Transmitter Evaluation	398
7.3.1	Stand-alone SAR test exclusion	399
7.3.2	Simultaneous Transmission Possibilities	400
7.3.3	SAR Summation Scenario	402
7.3.4	Simultaneous Transmission Conclusion.....	404
	Appendix A. System Check Plots.....	405
	Appendix B. SAR Measurement Plots.....	405
	Appendix C. Calibration Certificate	405
	Appendix D. Photo documentation.....	405

※ ※ **Modified History** ※ ※

REV.	DESCRIPTION	ISSUED DATE	REMARK
Rev.1.0	Initial Test Report Release	2016-03-14	Li Wei

1 General Information

1.1 Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for EVA-L29 is as below Table 1.

Band	Max Reported SAR(W/kg)		
	1-g Head	1-g Body-worn (15mm) *	1-g Hotspot (10mm)
GSM850	1.47	0.34	0.51
GSM1900	1.49	0.37	0.98
UMTS Band II	1.02	0.59	0.76
UMTS Band IV	1.44	0.38	0.73
UMTS Band V	1.37	0.34	0.56
LTE Band II	1.03	0.61	0.71
LTE Band IV	1.45	0.55	0.91
LTE Band V	1.44	0.25	0.40
LTE Band VII	1.21	0.33	0.49
LTE Band XII	1.44	0.18	0.47
LTE Band XVII	1.41	0.22	0.46
LTE Band XXVI	1.24	0.31	0.45
LTE Band XXXVIII	1.25	0.20	0.31
LTE Band XLI	1.28	0.13	0.27
WiFi 2.4G	1.37	0.13	0.33
WiFi 5G	1.40	0.15	0.18
The highest simultaneous SAR value is 1.59 W/kg 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.

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, according to the Industry Canada Radio Standards Specification RSS-102 for General Population/Uncontrolled exposure, and had been tested in accordance with the measurement methods and procedures specified in IEEE Std 1528-2013.

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).

1.3 EUT Description

Device Information:			
Product Name:	Smart Phone		
Model:	EVA-L29		
FCC ID :	QISEVA-LX9		
SN.:	Battery 1#: KWG5T15C29000460,KWG5T15C29000572 Battery 2#: KWG5T15C16000114 Battery 3#: KWG5T15C29000462		
Device Type :	Portable device		
Device Phase:	Identical Prototype		
Exposure Category:	Uncontrolled environment / general population		
Hardware Version :	HL1AEVAM		
Software Version :	A168-L29C900B073		
Antenna Type :	Internal antenna		
Others Accessories	Headset		
Device Operating Configurations:			
Supporting Mode(s)	GSM850/1900, UMTS Band II/IV/V, LTE Band II/IV/V/VII/XII/XVII/XXVI/XXXVIII/XLI, WiFi 2.4G/5G, BT		
Test Modulation	GSM(GMSK/8PSK),UMTS(QPSK),LTE(QPSK/16QAM), 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	2110-2155
	UMTS Band V	824-849	869-894
	LTE Band II	1850-1910	1930-1990
	LTE Band IV	1710-1755	2110-2155
	LTE Band V	824-849	869-894
	LTE Band VII	2500-2570	2620-2690
	LTE Band XII	699-716	729-746
	LTE Band XVII	704-716	734-746
	LTE Band XXVI	814-849	859-894
	LTE Band XXXVIII	2570-2620	2570-2620
	LTE Band XLI	2555-2655	2555-2655
	BT	2400-2483.5	
	WiFi 2.4G	2400-2483.5	
	WiFi 5G	5150-5350 5470-5850	
GPRS Multislot Class(12)	Max Number of Timeslots in Uplink:	4	
	Max Number of Timeslots in Downlink:	4	
	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		
LTE Release	10 (Downlink LTE CA only)		

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 II)
	3, tested with power control all Max.(LTE Band IV)
	3, tested with power control all Max.(LTE Band V)
	3, tested with power control all Max.(LTE Band VII)
	3, tested with power control all Max.(LTE Band XII)
	3, tested with power control all Max.(LTE Band XVII)
	3, tested with power control all Max.(LTE Band XXVI)
	3, tested with power control all Max.(LTE Band XXXVIII)
	3, tested with power control all Max.(LTE Band XLI)
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 II BW=1.4MHz)
	18615-18900-19185(LTE Band II BW=3MHz)
	18625-18900-19175(LTE Band II BW=5MHz)
	18650-18900-19150(LTE Band II BW=10MHz)
	18675-18900-19125(LTE Band II BW=15MHz)
	18700-18900-19100(LTE Band II BW=20MHz)
	19957-20175-20393(LTE Band IV BW=1.4MHz)
	19965-20175-20385(LTE Band IV BW=3MHz)
	19975-20175-20375(LTE Band IV BW=5MHz)
	20000-20175-20350(LTE Band IV BW=10MHz)
	20025-20175-20325(LTE Band IV BW=15MHz)
	20050-20175-20300(LTE Band IV BW=20MHz)
	20407-20525-20643(LTE Band V BW=1.4MHz)
	20415-20525-20635(LTE Band V BW=3MHz)
	20425-20525-20625(LTE Band V BW=5MHz)
	20450-20525-20600(LTE Band V BW=10MHz)
	20775-21100-21425(LTE Band VII BW=5MHz)
	20800-21100-21400(LTE Band VII BW=10MHz)
	20825-21100-21375(LTE Band VII BW=15MHz)
	20850-21100-21350(LTE Band VII BW=20MHz)
	23017-23095-23173(LTE Band XII BW=1.4MHz)
	23025-23095-23165(LTE Band XII BW=3MHz)
	23035-23095-23155(LTE Band XII BW=5MHz)
	23060-23095-23130(LTE Band XII BW=10MHz)
	23755-23790-23825(LTE Band XVII BW=5MHz)
	23780-23790-23800(LTE Band XVII BW=10MHz)
	26697-26865-27033(LTE Band XXVI BW=1.4MHz)
	26705-26865-27025(LTE Band XXVI BW=3MHz)
	26715-26865-27015(LTE Band XXVI BW=5MHz)
	26750-26865-26990(LTE Band XXVI BW=10MHz)
	26775-26865-26965(LTE Band XXVI BW=15MHz)
	37775-38000-38225(LTE Band XXXVIII BW=5MHz)
	37800-38000-38200(LTE Band XXXVIII BW=10MHz)
	37825-38000-38175(LTE Band XXXVIII BW=15MHz)
	37850-38000-38150(LTE Band XXXVIII BW=20MHz)

Test Channels (low-mid-high):	40265-40740-41215(LTE Band XLI BW=5MHz)
	40290-40740-41190(LTE Band XLI BW=10MHz)
	40315-40740-41165(LTE Band XLI BW=15MHz)
	40340-40740-41140(LTE Band XLI BW=20MHz)
	802.11b/g/n 20M:1-6-11
	802.11n 40M:3-6-9 (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
	802.11 n/ac 40M: 38-46-54-62-102-110-118-126-134-151-159
	802.11ac 80M: 42-58-106-122-138-155(WiFi 5G)

Table 3:Device information and operating configuration

1.3.1 General Description

EVA-L29 is subscriber equipment in the LTE/WCDMA /GSM system. The LTE frequency band is Band I,Band II,Band III,Band IV,Band V, Band VI ,Band VII,Band VIII, Band XII,Band XVII, Band XVIII ,Band XIX, Band XX, Band XXVI, Band XXVIII ,Band XXXVIII,BandXXXIX, Band XL and Band XLI. But only Band II, Band IV, Band V ,Band VII,Band XII,Band XVII, Band XXVI, Band XXXVIII and Band XLI test data included in this report. The HSUPA/HSDPA/UMTS frequency band is Band I, Band II, Band IV, Band V, Band VI, Band VIII and Band XIX, But only Band II, Band IV and Band V test data can be used in this report. The GSM/GPRS/EDGE frequency band includes GSM850 and GSM900 and DCS1800 and PCS1900, but only GSM850 and DCS1900 bands test data included in this report. The Mobile Phone implements such functions as RF signal receiving/transmitting, LTE/ WCDMA /GSM protocol processing, voice, video, MMS service, GPS, AGPS and WIFI etc. Externally it provides 2 Nano SIM/USIM card interfaces (one of the interfaces can also used as micro SD card interface) and an earphone port (to provide voice service). 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	Manufacture	Serials number	Description
Rechargeable Li-ion	Sunwoda Electronic Co., LTD	NA	Battery Model: HB366481ECW Rated capacity: 2900mAh
	SCUD (FUJIAN) Electronics Co., Ltd	NA	Nominal Voltage:  +3.82V
	(sony) Huizhou Desay Battery Co., Ltd	NA	Charging Voltage:  +4.4V

1.3.2 TDD LTE specification

The device supports TDD LTE bands. 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.

For this device, TDD LTE SAR should be tested with the highest transmission duty factor (63.33%) , which using Uplink-downlink configuration 0. The detailed TDD LTE test configuration description are provided in Section 6 of this report.

1.3.3 Power reduction specification

This device uses a single fixed level of power reduction through static table look-up for SAR compliance and it is triggered by a single event or operation per the PAG exclusion clause in KDB388624D02 item II.C.1.k:

- 1) A fixed level power reduction is applied for some frequency bands when hotspot mode becomes active. When the hotspot is disabled, the power value will be recovered.
- 2) A fixed level power reduction is applied for some frequency bands when simultaneously transmitting with the other antennas in certain simultaneous transmission conditions. The standalone SAR compliance still uses the standalone SAR results tested at the maximum output power level without any power reduction. The PAG requirements can be excluded per KDB 388624D02.

The following tables summarize the key power reduction information. The detailed full power and reduced tune-up specifications and conducted power measurement results are provided in Section 7 of this report.

Main antenna and Modem1(Main Modem):

Band\Config.	Power Reduciton (dB)				
	Modem1+ Modem2	Modem1+ WiFi station	Modem1+ Modem2+ WiFi station	Modem1 + Hotspot on	Modem1+ Modem2+ Hotspot on
GSM 850	0.0	0.0	0.0	0.0	0.0
GSM 1900	0.0	0.0	1.5	0.0	1.5
UMTS B2	0.0	2.0	3.0	2.5	3.0
UMTS B4	0.0	0.0	2.0	0.5	2.0
UMTS B5	0.0	0.0	0.0	0.0	0.0
LTE B2	0.0	2.0	3.5	2.5	3.5
LTE B4	2.5	0.0	2.7	1.2	2.7
LTE B5	0.0	0.0	0.0	0.0	0.0
LTE B7	2.0	0.0	1.5	2.0	1.5
LTE B12	0.0	0.0	0.0	0.0	0.0
LTE B17	0.0	0.0	0.0	0.0	0.0
LTE B26	0.0	0.0	0.0	0.0	0.0
LTE B38	0.0	0.0	1.0	1.0	1.0
LTE B41	0.0	0.0	0.0	1.0	0.0
WiFi 2.4G	0.0	2.0	2.0	0.0	2.0
WiFi 5G	0.0	2.0	2.0	0.0	2.0

Second antenna and Modem1(Main Modem):

Band\Config.	Power Reduciton (dB)				
	Modem1+ Modem2	Modem1+ WiFi station	Modem1+ Modem2+ WiFi station	Hotspot on	Modem1+ Modem2+ Hotspot on
GSM 850	2.6	3.6	3.6	1.6	3.6
GSM 1900	2.5	5.0	5.0	1.5	5.0
UMTS B2	5.5	8.0	8.0	5.0	8.0
UMTS B4	2.0	6.5	6.5	1.5	6.5
UMTS B5	1.5	4.0	4.0	1.0	4.0
LTE B2	5.5	8.0	8.0	5.0	8.0
LTE B4	3.2	8.0	8.0	3.0	8.0
LTE B5	2.5	3.5	3.5	2.0	3.5
LTE B7	5.0	8.0	8.0	4.5	8.0
LTE B12	1.0	3.0	4.0	0.5	4.0
LTE B17	1.5	2.0	3.0	1.0	3.0
LTE B26	3.0	5.0	5.5	2.5	5.5
LTE B38	6.0	6.0	6.2	5.0	6.2
LTE B41	7.0	7.0	7.0	4.5	7.0
WiFi 2.4G	0.0	2.0	2.0	0.0	2.0
WiFi 5G	0.0	2.0	2.0	0.0	2.0

Main antenna and Modem2(Second Modem):

Band\Config.	Power Reduciton (dB)				
	Modem1+ Modem2	Modem2+ WiFi station	Modem1+ Modem2+ WiFi station	Hotspot on	Modem1+ Modem2 + Hotspot on
GSM 850	2.5	/	2.5	/	2.5
GSM 1900	0.0	/	0.0	/	0.0

Second antenna and Modem2(Second Modem):

Band\Config.	Power Reduciton (dB)				
	Modem1+ Modem2	Modem2+ WiFi station	Modem1+ Modem2+ WiFi station	Hotspot on	Modem1+ Modem2 + Hotspot on
GSM 850	3.7	/	3.7	/	3.7
GSM 1900	4.2	/	5.2	/	5.2

1.3.4 Downlink LTE CA specification

The device supports downlink Release 10 LTE Carrier Aggregation (CA) only. It supports a maximum of 2 carriers in the downlink. Other Release 10 features are not supported, including Uplink Carrier Aggregation, Enhanced SC-FDMA and Uplink MIMO or other antenna diversity configurations etc. All uplink communications are identical to the Release 8 Specifications.

The possible downlink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.101 V12.8.0. The conducted power measurement results of downlink LTE CA are provided in Section 7 of this report per 3GPP TS 36.521-1 V12.6.0. According to KDB 941225 D05A, the downlink LTE CA SAR test is not required and PAG requirements can be excluded.

intra-band contiguous CA (per 3GPP TS 36.101 V12.8.0 Table 5.6A.1-1)

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]		
CA_2C	CA_2C	5	20	40	0
		10	15, 20		
		15	10, 15, 20		
		20	5, 10, 15, 20		
CA_7C	CA_7C	15	15	40	0
		20	20		
		10	20	40	1
		15	15, 20		
		20	10, 15, 20	40	2
		15	10, 15		
		20	15, 20		
CA_12B	CA_2C	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		

Table 4.3.1.1.2A-2: Test frequencies for CA_2C

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

Note 1: Carriers in increasing frequency order.

Table: Test frequencies for CA_7C

Range	CC-Combo / N _{RB,agg} [RB]	CC1 Note1					CC2 Note1				
		BW [RB]	N _{UL}	f _{UL} [MHz]	N _{DL}	f _{DL} [MHz]	BW [RB]	N _{UL}	f _{UL} [MHz]	N _{DL}	f _{DL} [MHz]
Low	75+75	75	20825	2507.5	2825	2627.5	75	20975	2522.5	2975	2642.5
	100+100	100	20850	2510	2850	2630	100	21048	2529.8	3048	2649.8
Mid	75+75	75	21025	2527.5	3025	2647.5	75	21175	2542.5	3175	2662.5
	100+100	100	21000	2525	3000	2645	100	21198	2544.8	3198	2664.8
High	75+75	75	21225	2547.5	3225	2667.5	75	21375	2562.5	3375	2682.5
	100+100	100	21152	2540.2	3152	2660.2	100	21350	2560	3350	2680

Note 1: Carriers in increasing frequency order.

Table 4.3.1.1.12A-1: Test frequencies for CA_12B

Range	CC-Combo / N _{RB,agg} [RB]	CC1 Note1					CC2 Note1				
		BW [RB]	N _{UL}	f _{UL} [MHz]	N _{DL}	f _{DL} [MHz]	BW [RB]	N _{UL}	f _{UL} [MHz]	N _{DL}	f _{DL} [MHz]
Low	25+25	25	23035	701.5	5035	731.5	25	23083	706.3	5083	736.3
	25+50	25	23035	701.5	5035	731.5	50	23107	708.7	5107	738.7
		50	23060	704	5060	734	25	23132	711.2	5132	741.2
Mid	25+25	25	23070	705	5070	735	25	23118	709.8	5118	739.8
	25+50	25	23045	702.5	5045	732.5	50	23117	709.7	5117	739.7
		50	23070	705	5070	735	25	23142	712.2	5142	742.2
High	25+25	25	23107	708.7	5107	738.7	25	23155	713.5	5155	743.5
	25+50	25	23058	703.8	5058	733.8	50	23130	711	5130	741
		50	23083	706.3	5083	736.3	25	23155	713.5	5155	743.5

Note 1: Carriers in increasing frequency order.

Table: Test frequencies for CA_38C

Range	CC-Combo / N _{RB,agg} [RB]	CC1 Note1			CC2 Note1		
		BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]	BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]
Low	75+75	75	37825	2577.5	75	37975	2592.5
	100+100	100	37850	2580	100	38048	2599.8
Mid	75+75	75	37925	2587.5	75	38075	2602.5
	100+100	100	37900	2585	100	38098	2604.8
High	75+75	75	38025	2597.5	75	38175	2612.5
	100+100	100	37952	2590.2	100	38150	2610

Note 1: Carriers in increasing frequency order.

Table: Test frequencies for CA_41C(2555-2655MHz)

Range	CC-Combo / N _{RB,agg} [RB]	CC1 Note1			CC2 Note1		
		BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]	BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]
Low	50+100	50	40290	2560	100	40434	2574.4
		100	40340	2565	50	40484	2579.4
	75+75	75	41015	2632.5	75	41165	2647.5
	75+100	75	40315	2562.5	100	40486	2579.6
		100	40340	2565	75	40511	2582.1
	100+100	100	40340	2565	100	40538	2584.8
Mid	50+100	50	40640	2595	100	40784	2609.4
		100	40690	2600	50	40834	2614.4
	75+75	75	40665	2597.5	75	40815	2612.5
	75+100	75	40640	2595	100	40811	2612.1
		100	40665	2597.5	75	40836	2614.6
	100+100	100	40640	2595	100	40838	2614.8
High	50+100	50	40996	2630.6	100	41140	2645
		100	41046	2635.6	50	41190	2650
	75+75	75	40315	2562.5	75	40465	2577.5
	75+100	75	40969	2627.9	100	41140	2645
		100	40994	2630.4	75	41165	2647.5
	100+100	100	40942	2625.2	100	41140	2645

Note 1: Carriers in increasing frequency order.

inter-band CA (per 3GPP TS 36.101 V12.8.0 Table 5.6A.1-2)

E-UTRA CA configuration / Bandwidth combination set									
E-UTRA CA Configuration	E-UTRA Bands	1.4	3	5	10	15	20	Maximum aggregated bandwidth	Bandwidth combination set
		MHz	MHz	MHz	MHz	MHz	MHz	[MHz]	
CA_39A-41A	39				Yes	Yes	Yes	40	0
	41						Yes		

Note:

- 1) For inter-band CA, all the listed 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 V12.8.0.
- 3) The reference test frequencies for CA refers to 3GPP TS 36.508 V12.5.0.

1.3.5 Dynamic antenna switching specification

The device supports the dynamic antenna switching function to optimize transmission efficiency for wide range frequency operations. It has two 2G/3G/4G Tx antennas (Main Antenna and Second Antenna). It can transmit from either Main Antenna or Second Antenna. The Main Antenna and Second Antenna can also transmit simultaneously only when two SIM cards work at the same time by using different modems. Main modem can support 2G/3G/4G. Second modem only supports 2G and can only be used for SIM2.

SAR test procedure for dynamic antenna switching is as below (Refer to Section 7 for details):

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 commands are supplied to fix the operation state and choose the antenna, and some test scripts are supplied to fix the modem state so that only one TX antenna and one modem is chosen and tested at a time. All independent antennas and modems are completely covered by the appropriate SAR measurements and all simultaneous transmission possibilities are fully considered.

1.3.6 Dynamic antenna tuning specification

The device also supports the dynamic antenna tuning function to optimize transmission efficiency for 1710MHz~2700MHz frequency operations.

The dynamic antenna tuning function is only applicable for some frequency bands of the 2G/3G/4G main Tx antenna(Main Antenna,Main Modem: GSM1900; UMTS Band II/IV; LTE Band III/IV/VII/XXXVIII/XLI), which is located in the bottom part of the device. The 2G/3G/4G main antenna has two fixed states for these tuning bands: the state 1 and state 2. The two states shares the same antenna, RF path, test channel and conductive power and tune-up. The software will choose better RSSI as the working state of the main TX antenna based on the RSSI comparison and switch algorithm. The PAG requirements for can be excluded per KDB 388624D02 and FCC guidance.

SAR test procedure for dynamic antenna tuning is as below (Refer to Section 7 for details):

- a) Firstly, some AT commands are used to fix the tuning state at state1 or state 2, so that only one antenna tuning state is chosen at a time for SAR test.
- b) Secondly, in order to reduce the number of SAR tests required to demonstrate compliance for the two tuning states, one single point zoom scan SAR measurement between state1 and state 2 for each antenna tuning band and applicable RF exposure condition is considered to identify the higher SAR tuning state that need the full set of normally required SAR measurements and allow SAR test reduction for the other lower SAR conditions.
- c) Thirdly, full normally required SAR measurements are performed for the chosen higher SAR tuning state. The SAR worst case will also be checked for the other state in each antenna tuning band and applicable RF exposure condition to ensure the SAR compliance.

1.4 Test specification(s)

ANSI C95.1:1992	Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.(IEEE Std C95.1-1991)
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
RSS-102	Radio Frequency Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands (Issue 5 of March 2015)
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	SAR Reporting v01r02
KDB690783 D01	SAR Listings on Grants v01r03

1.5 Testing laboratory

Test Site	The Reliability Laboratory of Huawei Technologies Co., Ltd.
Test Location	Section G1,Huawei Base Bantian, Longgang District, Shenzhen 518129, P.R. China
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

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	2016-01-28
End Date of test	2016-03-04

1.8 Ambient Condition

Ambient temperature	20°C – 24°C
Relative Humidity	30% – 70%

2.2 Test environment

The DASY5 measurement system is placed at the head end of a room with dimensions: $5 \times 2.5 \times 3 \text{ m}^3$, 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 $1.5 \times 1.5 \text{ m}^2$ 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-converter 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.

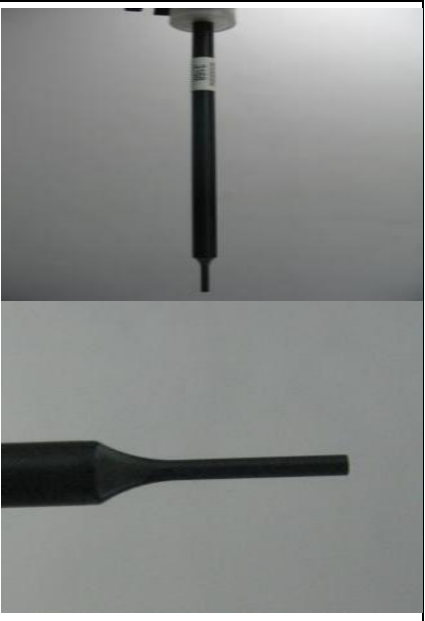
DAE4

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

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 $\mu\text{W/g}$ 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

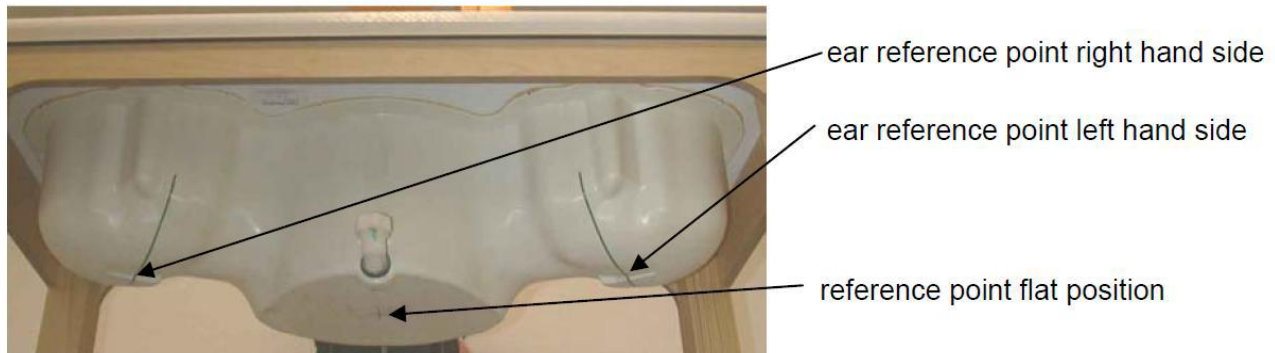
Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Calibration	ISO/IEC 17025 calibration service available.	
Frequency	10 MHz to >6 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic range	10 $\mu\text{W/g}$ to > 100 mW/g; Linearity: ± 0.2 dB (noise: typically $< 1 \mu\text{W/g}$)	
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%	

2.5 Phantom description

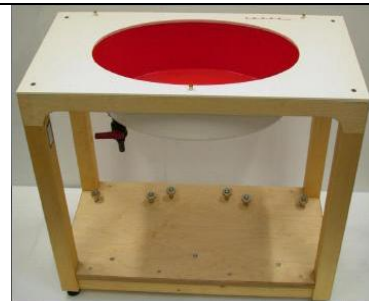
SAM Twin Phantom

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 $2 \leq \epsilon_r \leq 5$ at ≤ 3 GHz, $3 \leq \epsilon_r \leq 4$ at > 3 GHz and a loss tangent ≤ 0.05 .

2.6 Device holder description

The DASY5 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 $\epsilon = 3$ and loss tangent $\sigma = 0.02$. 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 $\pm 1^\circ$ 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.

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	3736	2015-04-30	One year
☒	SPEAG	Dosimetric E-Field Probe	ES3DV3	3168	2015-09-28	One year
☒	SPEAG	Dosimetric E-Field Probe	EX3DV4	3744	2015-07-24	One year
☒	SPEAG	750MHz Dipole	D750V3	1044	2015-09-14	Three years
☒	SPEAG	835MHz Dipole	D835V2	4d059	2013-05-02	Three years
☒	SPEAG	1750MHz Dipole	D1750V2	1123	2014-07-08	Three years
☒	SPEAG	1900MHz Dipole	D1900V2	5d091	2015-09-21	Three years
☒	SPEAG	2300MHz Dipole	D2300V2	1016	2014-11-19	Three years
☒	SPEAG	2450MHz Dipole	D2450V2	869	2015-06-19	Three years
☒	SPEAG	2600MHz Dipole	D2600V2	1021	2015-07-24	Three years
☒	SPEAG	5GHz Dipole	D5GHzV2	1155	2015-04-27	Three years
☒	SPEAG	Data acquisition electronics	DAE4	851	2015-07-20	One year
☒	SPEAG	Data acquisition electronics	DAE4	852	2015-04-27	One year
☒	SPEAG	Software	DASY 5	N/A	NCR	NCR
☒	SPEAG	Twin Phantom	SAM1	TP-1475	NCR	NCR
☒	SPEAG	Twin Phantom	SAM2	TP-1474	NCR	NCR
☒	SPEAG	Twin Phantom	SAM3	TP-1597	NCR	NCR
☒	SPEAG	Twin Phantom	SAM4	TP-1620	NCR	NCR
☒	R & S	Universal Radio Communication Tester	CMU 200	113989	2015-05-18	One year
☒	R & S	Universal Radio Communication Tester	CMW 500	126855	2015-07-02	One year
☒	Agilent	Network Analyser	E5071C	MY46213349	2016-01-08	One year
☒	Agilent	Dielectric Probe Kit	85070E	2484	NCR	NCR
☒	Agilent	Signal Generator	N5181A	MY47420989	2015-10-30	One year
☒	MINI-CIRCUITS	Amplifier	ZHL-42W	QA1402001	NCR	NCR
☒	MINI-CIRCUITS	Amplifier	ZVE-8G+	N523101139	NCR	NCR
☒	AR	Directional Coupler	DC7144M1	0423264	2015-03-31	One year
☒	Agilent	Dual Directional Coupler	772D	MY52180173	2016-01-06	One year
☒	R & S	Power Meter	NRP	100740	2015-07-02	One year
☒	R & S	Power Meter Sensor	NRP-Z11	106288	2015-07-02	One year
☒	Agilent	Power Meter	E4417A	MY54100027	2015-03-31	One year
☒	Agilent	Power Meter Sensor	E9321A	MY54130001	2015-05-05	One year
☒	Agilent	Power Meter Sensor	E9321A	MY54130007	2015-05-05	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.

- There is no physical damage on the dipole;
- System check with specific dipole is within 10% of calibrated value;
- The most recent return-loss result, measured at least annually, deviates by no more than 20% from the previous measurement.
- 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.

3) *All the equipments are within the valid period when the tests are performed.

3 SAR Measurement Procedure

3.1 Scanning procedure

The DASY5 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 %.
- The “surface check” measurement tests the optical surface detection system of the DASY5 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 $\pm 0.1\text{mm}$). 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 $\pm 30^\circ$.)
- 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 ($\leq 2\text{GHz}$), 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: $\Delta x_{\text{zoom}}, \Delta y_{\text{zoom}} \leq 2\text{GHz} - \leq 8\text{mm}$, 2-4GHz - $\leq 5\text{ mm}$ and 4-6 GHz- $\leq 4\text{mm}$; $\Delta z_{\text{zoom}} \leq 3\text{GHz} - \leq 5\text{ mm}$, 3-4 GHz- $\leq 4\text{mm}$ and 4-6GHz- $\leq 2\text{mm}$ 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 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:

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

DASY5 uses the advanced extrapolation option which is able to compensate boundary effects on E-field probes.

3.3 Data Storage and Evaluation

Data Storage

The DASY5 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 DASY5 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:

E-field probes:

$$E_i = (V_i / \text{Norm}_i \cdot \text{ConvF})^{1/2}$$

H-field probes:

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

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):

$$E_{\text{tot}} = (E_x^2 + E_y^2 + E_z^2)^{1/2}$$

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

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

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/cm³

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

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

with P_{pwe} = equivalent power density of a plane wave in mW/cm²
 E_{tot} = total electric field strength in V/m
 H_{tot} = total magnetic field strength in A/m

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 if the dielectric parameters are within the tolerances of the specified target values. The measured conductivity and relative permittivity should be within $\pm 5\%$ 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	2300	2450	2600
Water	39.2	41.45	52.64	55.242	62.82	62.7	55.242
Salt (NaCl)	2.7	1.45	0.36	0.306	0.51	0.5	0.306
Sugar	57.0	56.0	0.0	0.0	0.0	0.0	0.0
HEC	0.0	1.0	0.0	0.0	0.0	0.0	0.0
Bactericide	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Triton X-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DGBE	0.0	0.0	47.0	44.542	36.67	36.8	44.452
Ingredients (% of weight)	Body Tissue						
Frequency Band (MHz)	750	835	1750	1900	2300	2450	2600
Water	50.3	52.4	69.91	69.91	73.32	73.2	64.493
Salt (NaCl)	1.60	1.40	0.13	0.13	0.06	0.04	0.024
Sugar	47.0	45.0	0.0	0.0	0.0	0.0	0.0
HEC	0.0	1.0	0.0	0.0	0.0	0.0	0.0
Bactericide	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Triton X-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DGBE	0.0	0.0	29.96	29.96	26.62	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 for 5G(HBBL3500-5800MHz), Manufactured by SPEAG:

Ingredients	(% by weight)
Water	50-65%
Mineral oil	10-30%
Emulsifiers	8-25%
Sodium salt	0-1.5%

☒ Simulating Body Liquid for 5G(MBBL3500-5800MHz), Manufactured by SPEAG:

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

Tissue Type	Measured Frequency (MHz)	Target Tissue		Measured Tissue		Deviation (Within +/-5%)		Liquid Temp.	Test Date
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	$\Delta\epsilon_r$	$\Delta\sigma$		
750H	705	42.14	0.89	42.93	0.847	1.87%	-4.79%	21.6°C	2016/2/15
	710	42.11	0.89	42.88	0.851	1.83%	-4.36%		
	750	41.90	0.89	42.31	0.893	0.98%	0.37%		
750B	705	55.70	0.96	54.34	0.921	-2.44%	-4.08%	21.8°C	2016/2/18
	710	55.70	0.96	54.29	0.925	-2.53%	-3.65%		
	750	55.50	0.96	53.86	0.961	-2.95%	0.09%		
835H	825	41.60	0.90	41.89	0.891	0.70%	-1.03%	21.5°C	2016/2/2
	835	41.50	0.90	41.78	0.898	0.67%	-0.27%		
	850	41.50	0.92	41.57	0.908	0.17%	-1.30%		
835H	825	41.60	0.90	40.95	0.897	-1.56%	-0.32%	21.4°C	2016/2/11
	835	41.50	0.90	40.82	0.907	-1.64%	0.74%		
	850	41.50	0.92	40.60	0.922	-2.17%	0.16%		
835H	825	41.60	0.90	42.85	0.905	3.00%	0.59%	21.4°C	2016/2/14
	835	41.50	0.90	42.72	0.915	2.94%	1.66%		
	850	41.50	0.92	42.51	0.930	2.43%	1.05%		
835B	825	55.20	0.97	54.13	0.986	-1.94%	1.66%	21.5°C	2016/2/20
	835	55.20	0.97	53.99	0.998	-2.19%	2.87%		
	850	55.20	0.99	53.79	1.016	-2.55%	2.63%		
1750H	1710	40.1	1.35	41.21	1.365	2.77%	1.11%	21.5°C	2016/2/13
	1730	40.1	1.36	41.08	1.386	2.44%	1.91%		
	1750	40.1	1.37	41.00	1.409	2.24%	2.85%		
	1800	40.0	1.4	40.77	1.462	1.93%	4.43%		
1750H	1710	40.1	1.35	38.83	1.344	-3.17%	-0.44%	21.4°C	2016/2/29
	1730	40.1	1.36	38.67	1.363	-3.57%	0.22%		
	1750	40.1	1.37	38.57	1.383	-3.82%	0.95%		
	1800	40.0	1.40	38.39	1.430	-4.03%	2.14%		
1750B	1710	53.5	1.46	51.99	1.410	-2.82%	-3.42%	21.3°C	2016/2/19
	1730	53.5	1.48	51.86	1.436	-3.07%	-2.97%		
	1750	53.4	1.49	51.81	1.462	-3.00%	-1.88%		
	1800	53.3	1.52	51.63	1.521	-3.13%	0.07%		
1750B	1710	53.5	1.46	52.60	1.402	-1.68%	-3.97%	21.4°C	2016/3/3
	1730	53.5	1.48	52.52	1.420	-1.83%	-4.05%		
	1750	53.4	1.49	52.48	1.445	-1.72%	-3.02%		
	1800	53.3	1.52	52.36	1.502	-1.76%	-1.18%		
1900H	1850	40.00	1.40	40.42	1.406	1.05%	0.43%	21.5°C	2016/1/28
	1880	40.00	1.40	40.35	1.459	0.88%	4.21%		
	1900	40.00	1.40	40.30	1.462	0.75%	4.43%		
	1910	40.00	1.40	40.24	1.462	0.60%	4.43%		

1900B	1850	53.30	1.52	52.10	1.488	-2.25%	-2.11%	21.4°C	2016/2/6
	1880	53.30	1.52	52.02	1.515	-2.40%	-0.33%		
	1900	53.30	1.52	51.97	1.532	-2.50%	0.79%		
	1910	53.30	1.52	51.94	1.542	-2.55%	1.45%		
1900B	1850	53.30	1.52	53.05	1.477	-0.47%	-2.83%	21.4°C	2016/2/10
	1880	53.30	1.52	52.93	1.506	-0.69%	-0.92%		
	1900	53.30	1.52	52.86	1.529	-0.83%	0.59%		
	1910	53.30	1.52	52.85	1.540	-0.84%	1.32%		
1900B	1850	53.30	1.52	51.79	1.450	-2.83%	-4.61%	21.5°C	2016/2/19
	1880	53.30	1.52	51.41	1.475	-3.55%	-2.96%		
	1900	53.30	1.52	51.32	1.520	-3.71%	0.00%		
	1910	53.30	1.52	51.45	1.531	-3.47%	0.72%		
2450H	2410	39.30	1.76	38.98	1.814	-0.81%	3.07%	21.3°C	2016/2/25
	2435	39.20	1.79	38.90	1.841	-0.77%	2.85%		
	2450	39.20	1.80	38.86	1.858	-0.87%	3.22%		
	2460	39.20	1.81	38.83	1.868	-0.94%	3.20%		
2450B	2410	52.80	1.91	50.66	1.899	-4.05%	-0.58%	21.4°C	2016/2/27
	2435	52.70	1.94	50.54	1.968	-4.10%	1.44%		
	2450	52.70	1.95	50.62	2.009	-3.97%	3.03%		
	2460	52.70	1.96	50.65	2.015	-3.89%	2.81%		
2600H	2510	39.12	1.86	38.89	1.883	-0.59%	1.24%	21.6°C	2016/2/1
	2535	39.1	1.89	38.80	1.912	-0.77%	1.16%		
	2560	39.0	1.92	38.71	1.941	-0.74%	1.25%		
	2600	39.0	1.96	38.57	1.986	-1.10%	1.33%		
2600H	2510	39.12	1.86	37.88	1.935	-3.17%	4.03%	21.4°C	2016/2/21
	2535	39.1	1.89	37.58	1.925	-3.89%	1.85%		
	2560	39.0	1.92	37.55	1.980	-3.72%	3.29%		
	2600	39.0	1.96	37.46	2.026	-3.97%	3.37%		
2600B	2510	52.62	2.03	53.15	2.062	1.01%	1.58%	21.3°C	2016/2/3
	2535	52.59	2.07	53.07	2.096	0.91%	1.26%		
	2560	52.57	2.09	52.98	2.131	0.78%	1.96%		
	2600	52.50	2.16	52.85	2.186	0.67%	1.20%		
2600B	2510	52.62	2.03	51.32	2.088	-2.47%	2.86%	21.4°C	2016/2/18
	2535	52.59	2.07	51.20	2.120	-2.64%	2.42%		
	2560	52.57	2.09	51.08	2.152	-2.83%	2.97%		
	2600	52.50	2.16	50.90	2.203	-3.05%	1.99%		
2600B	2510	52.62	2.03	51.34	2.048	-2.43%	0.89%	21.2°C	2016/2/23
	2535	52.59	2.07	51.28	2.083	-2.49%	0.63%		
	2560	52.57	2.09	51.17	2.115	-2.66%	1.20%		
	2600	52.50	2.16	51.03	2.169	-2.80%	0.42%		

5G H	5200	36.0	4.66	34.99	4.590	-2.81%	-1.50%	21.3°C	2016/2/23
	5300	35.9	4.76	34.86	4.740	-2.90%	-0.42%		
	5600	35.5	5.07	34.48	5.218	-2.87%	2.92%		
	5800	35.3	5.27	34.10	5.351	-3.43%	1.54%		
5G B	5200	49.00	5.30	49.83	5.197	1.69%	-1.94%	21.4°C	2016/2/26
	5300	48.90	5.42	47.20	5.476	-3.48%	1.03%		
	5600	48.50	5.77	48.64	5.793	0.29%	0.40%		
	5800	48.20	6.00	46.65	6.191	-3.22%	3.18%		

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.

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 P1528 (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).

System Check	Target SAR (1W)		Measured SAR (Normalized to 1W)		Deviation (Within +/-10%)		Liquid Temp.	Test Date
	1-g (W/kg)	10-g (W/kg)	1-g (W/kg)	10-g (W/kg)	$\Delta\epsilon_r$	$\Delta\sigma$		
750MHz Head	8.12	5.33	8.28	5.40	1.97%	1.31%	21.6°C	2016/2/15
835MHz Head	9.49	6.18	9.40	6.08	-0.95%	-1.62%	21.5°C	2016/2/2
835MHz Head	9.49	6.18	9.36	6.08	-1.37%	-1.62%	21.4°C	2016/2/11
835MHz Head	9.49	6.18	9.48	6.12	-0.11%	-0.97%	21.4°C	2016/2/14
1750MHz Head	35.10	18.60	36.24	19.20	3.25%	3.23%	21.5°C	2016/2/13
1750MHz Head	35.10	18.60	35.56	18.84	1.31%	1.29%	21.4°C	2016/2/29
1900MHz Head	40.20	21.10	40.40	20.40	0.50%	-3.32%	21.5°C	2016/1/28
2450MHz Head	53.80	25.20	52.40	24.36	-2.60%	-3.33%	21.3°C	2016/2/25
2600MHz Head	57.80	26.30	62.40	27.76	7.96%	5.55%	21.6°C	2016/2/1
2600MHz Head	57.80	26.30	61.20	27.24	5.88%	3.57%	21.4°C	2016/2/21
5200MHz Head	78.50	22.50	80.30	22.50	2.29%	0.00%	21.3°C	2016/2/23
5300MHz Head	83.50	23.90	86.00	24.00	2.99%	0.42%	21.3°C	2016/2/23
5600MHz Head	81.90	23.30	86.60	24.40	5.74%	4.72%	21.3°C	2016/2/23
5800MHz Head	78.80	22.40	80.00	22.40	1.52%	0.00%	21.3°C	2016/2/23
750MHz Body	8.76	5.78	8.64	5.72	-1.37%	-1.04%	21.8°C	2016/2/18
835MHz Body	9.42	6.19	10.16	6.56	7.86%	5.98%	21.5°C	2016/2/20
1750MHz Body	36.30	19.50	37.68	19.72	3.80%	1.13%	21.3°C	2016/2/19
1750MHz Body	36.30	19.50	37.32	20.32	2.81%	4.21%	21.4°C	2016/3/3
1900MHz Body	39.90	21.00	43.20	22.44	8.27%	6.86%	21.4°C	2016/2/6
1900MHz Body	39.90	21.00	43.20	22.64	8.27%	7.81%	21.4°C	2016/2/10
1900MHz Body	39.90	21.00	42.40	22.20	6.27%	5.71%	21.5°C	2016/2/19

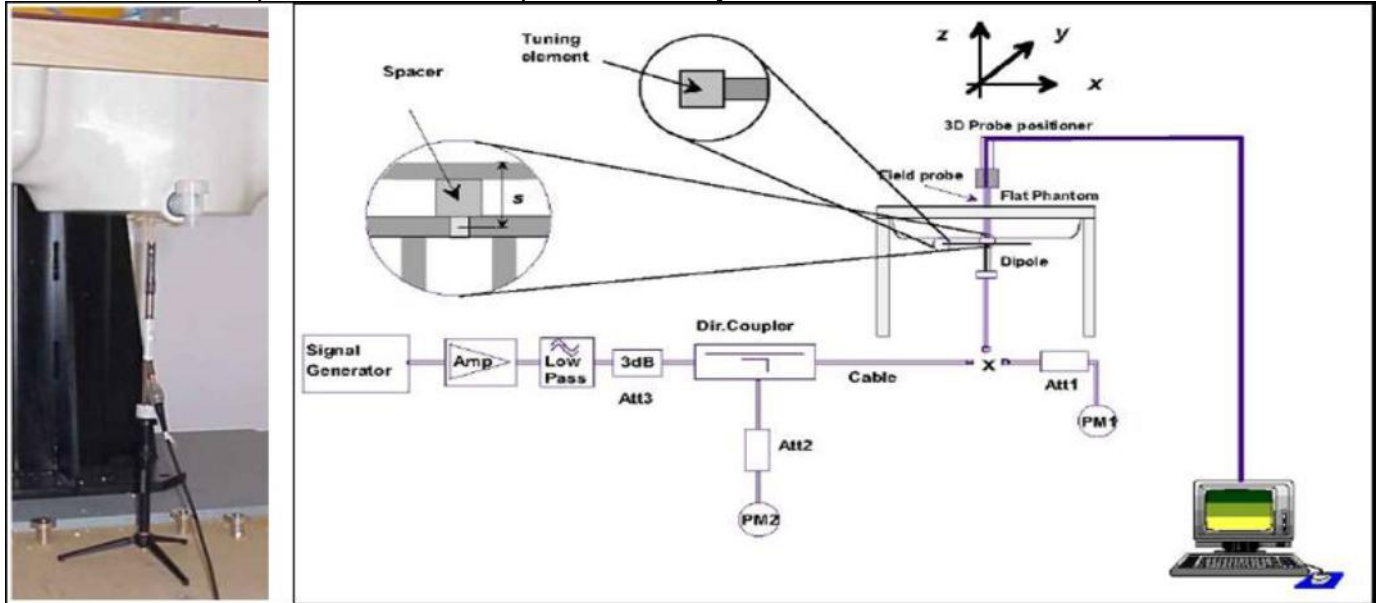
2450MHz Body	52.40	24.70	53.60	24.68	2.29%	-0.08%	21.4°C	2016/2/27
2600MHz Body	57.50	25.90	62.00	27.48	7.83%	6.10%	21.3°C	2016/2/3
2600MHz Body	57.50	25.90	62.40	27.68	8.52%	6.87%	21.4°C	2016/2/18
2600MHz Body	57.50	25.90	55.60	24.48	-3.30%	-5.48%	21.2°C	2016/2/23
5200MHz Body	74.70	20.90	75.20	20.90	0.67%	0.00%	21.4°C	2016/2/26
5300MHz Body	75.00	21.00	75.70	20.80	0.93%	-0.95%	21.4°C	2016/2/26
5600MHz Body	77.80	21.60	78.70	21.60	1.16%	0.00%	21.4°C	2016/2/26
5800MHz Body	76.20	21.00	75.70	20.80	-0.66%	-0.95%	21.4°C	2016/2/26

Table 6: System Check Results

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 SMA. It is fed with a power of 250 mW(below 5GHz) or 100mW(above 5GHz). 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.



5 SAR measurement variability and uncertainty

5.1 SAR measurement variability

Per KDB865664 D01 SAR measurement 100 MHz to 6 GHz v01r04, SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. The additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

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

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 v01r04, 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.

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).

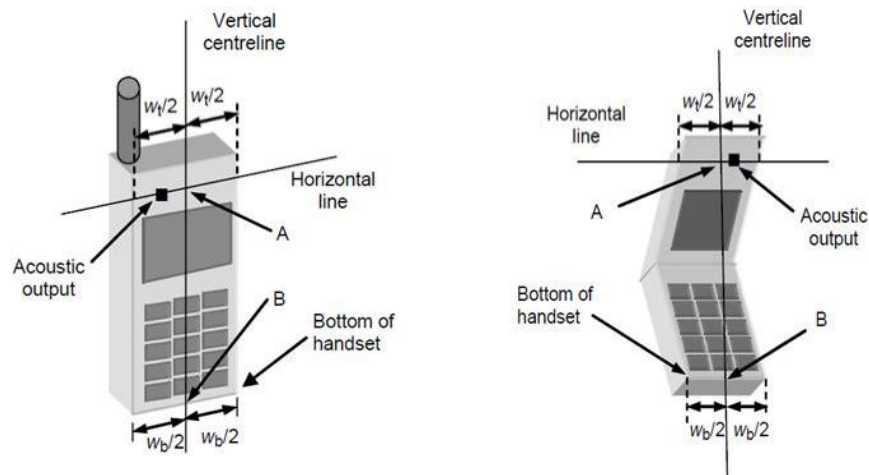


Figure 1 Handset Vertical Center & Horizontal Line Reference Points

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.

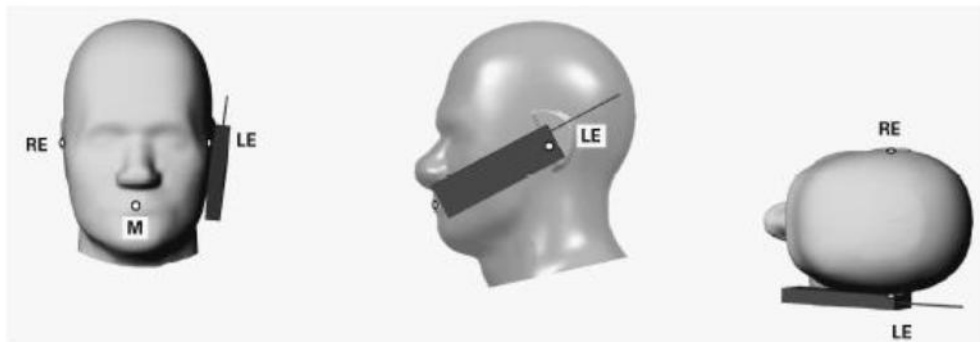


Figure 2 Front, Side and Top View of Cheek Position

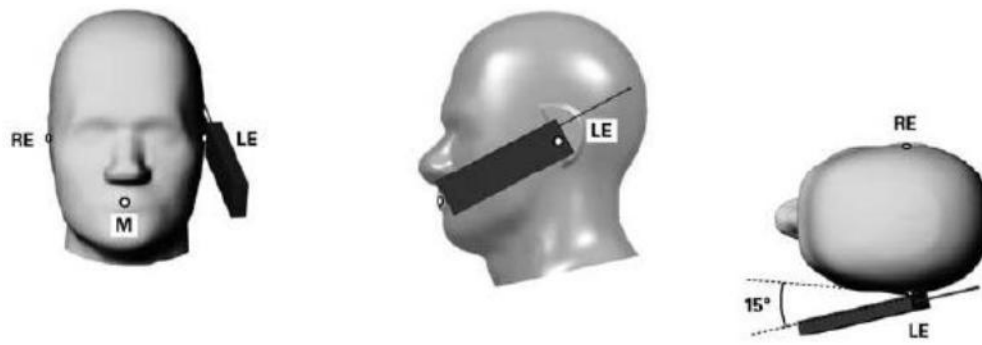


Figure 3 Front, Side and Top View of Tilt 15° Position

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 $> 1.2 \text{ W/kg}$, 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.

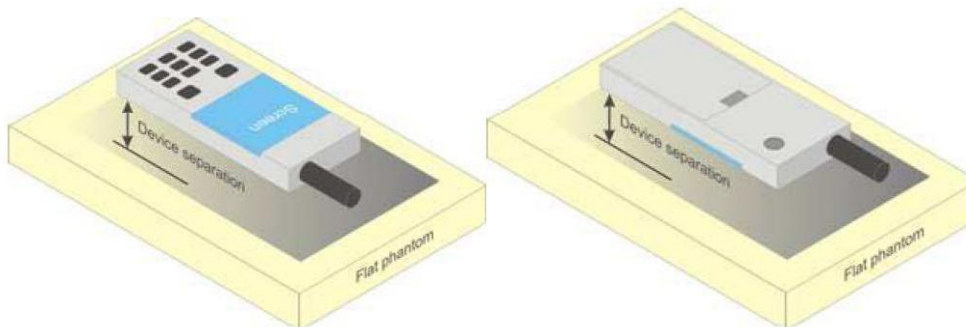


Figure 4 Test position for Body-Worn device

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 $> 9 \text{ cm} \times 5 \text{ cm}$, 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.

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 $\leq \frac{1}{4} \text{ dB}$ 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 $\leq 1.2 \text{ W/kg}$, 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 8-PSK.

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 required in the SAR report. All configurations that are not supported by the handset or cannot be measured due to technical or equipment limitations must be clearly identified.

2) 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. Otherwise, SAR is measured for 12.2 kbps AMR in 3.4 kbps SRB (signaling radio bearer) using the highest reported SAR configuration in 12.2 kbps RMC for head exposure.

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 $\leq \frac{1}{4}$ 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, HARQ processes, minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission 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 , $\Delta NACK$, $\Delta CQI = 8$. The variation of the β_c / β_d ratio causes a power reduction at sub-tests 2 - 4.

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

Note 1: ΔACK , $\Delta NACK$ and $\Delta CQI = 8$ $A_{hs} = \beta_{hs} / \beta_c = 30/15$ $\beta_{hs} = 30/15 * \beta_c$
Note 2: CM=1 for $\beta_c / \beta_d = 12/15$, $\beta_{hs} / \beta_c = 24/15$. For all other combinations of DPDCH, DPCCH 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.^a
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 $\beta_c = 11/15$ and $\beta_d = 15/15$ ^a

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

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 $\leq \frac{1}{4}$ 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 D01v03, 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 ¹	β_c ²	β_d ³	β_d (SF) ⁴	β_c/β_d ⁵	$\beta_{hs}^{(1)}$ ⁶	β_{ec} ⁷	β_{ed} ⁸	β_e ⁹ (SF) ¹⁰	β_{ed} ¹¹ (code) ¹²	CM ⁽²⁾ ¹³ (dB) ¹⁴	MP R ¹⁵ (dB) ¹⁶	AG ⁽⁴⁾ ¹⁷ Inde x ¹⁸	E-TFC I ¹⁹
1 ²⁰	11/15 ⁽³⁾ ²¹	15/15 ⁽³⁾ ²²	64 ²³	11/15 ⁽³⁾ ²⁴	22/15 ²⁵	209/225 ²⁶	1039/225 ²⁷	4 ²⁸	1 ²⁹	1.0 ³⁰	0.0 ³¹	20 ³²	75 ³³
2 ³⁴	6/15 ³⁵	15/15 ³⁶	64 ³⁷	6/15 ³⁸	12/15 ³⁹	12/15 ⁴⁰	94/75 ⁴¹	4 ⁴²	1 ⁴³	3.0 ⁴⁴	2.0 ⁴⁵	12 ⁴⁶	67 ⁴⁷
3 ⁴⁸	15/15 ⁴⁹	9/15 ⁵⁰	64 ⁵¹	15/9 ⁵²	30/15 ⁵³	30/15 ⁵⁴	$\beta_{ed1}:47/15$ ⁵⁵ $\beta_{ed2}:47/15$ ⁵⁶	4 ⁵⁷	2 ⁵⁸	2.0 ⁵⁹	1.0 ⁶⁰	15 ⁶¹	92 ⁶²
4 ⁶³	2/15 ⁶⁴	15/15 ⁶⁵	64 ⁶⁶	2/15 ⁶⁷	4/15 ⁶⁸	2/15 ⁶⁹	56/75 ⁷⁰	4 ⁷¹	1 ⁷²	3.0 ⁷³	2.0 ⁷⁴	17 ⁷⁵	71 ⁷⁶
5 ⁷⁷	15/15 ⁽⁴⁾ ⁷⁸	15/15 ⁽⁴⁾ ⁷⁹	64 ⁸⁰	15/15 ⁽⁴⁾ ⁸¹	30/15 ⁸²	24/15 ⁸³	134/15 ⁸⁴	4 ⁸⁵	1 ⁸⁶	1.0 ⁸⁷	0.0 ⁸⁸	21 ⁸⁹	81 ⁹⁰
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. ⁹¹ 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 $\beta_d = 15/15$. ⁹² 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 $\beta_d = 15/15$. ⁹³ 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. ⁹⁴ Note 6: β_{ed} can not be set directly; it is set by Absolute Grant Value. ⁹⁵													

Table 10:Subtests for UMTS Release 6 HSUPA

UE E-DCH Category	Maximum E-DCH Codes Transmitted	Number of HARQ Processes	E-DCH TTI(ms)	Minimum Spreading 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&2SF	11484	5.76
	4	4	2	4	20000	2.00
7 (No DPDCH)	4	8	2	2SF2&2SF	22996	?
	4	4	10	4	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/lor	dB	-10
P-CCPCH and SCH_Ec/lor	dB	-12
PICH_Ec/lor	dB	-15
HS-PDSCH	dB	off
HS-SCCH_1	dB	off
DPCH_Ec/lor	dB	-5
OCNS_Ec/lor	dB	-3.1

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

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

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

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

Table 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.

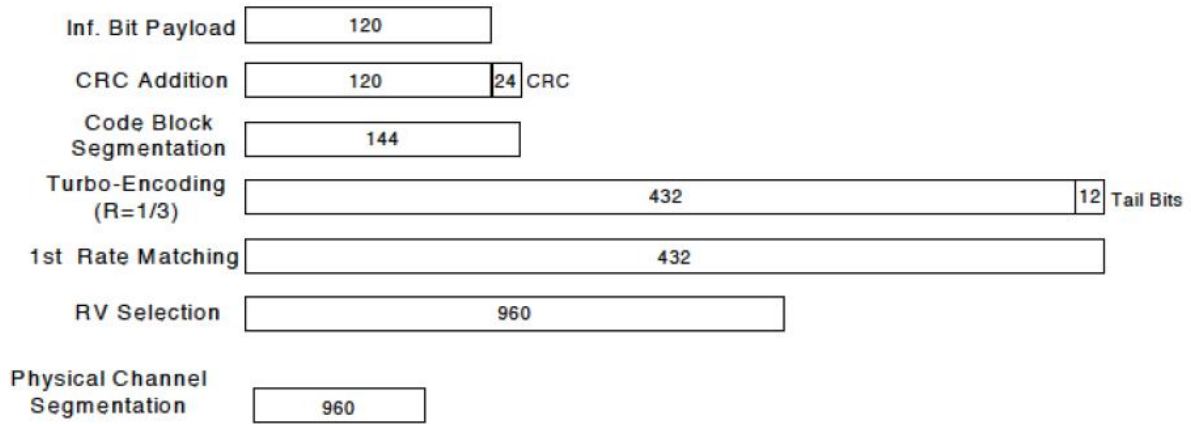


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

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

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

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

Note 2: CM=1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. 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.^o

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 $\beta_c = 11/15$ and $\beta_d = 15/15$ ^o

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.

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 3

Modulation	Channel bandwidth / Transmission bandwidth (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
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

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 % 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 $> \frac{1}{2}$ 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 $> \frac{1}{2}$ 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 38/41 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

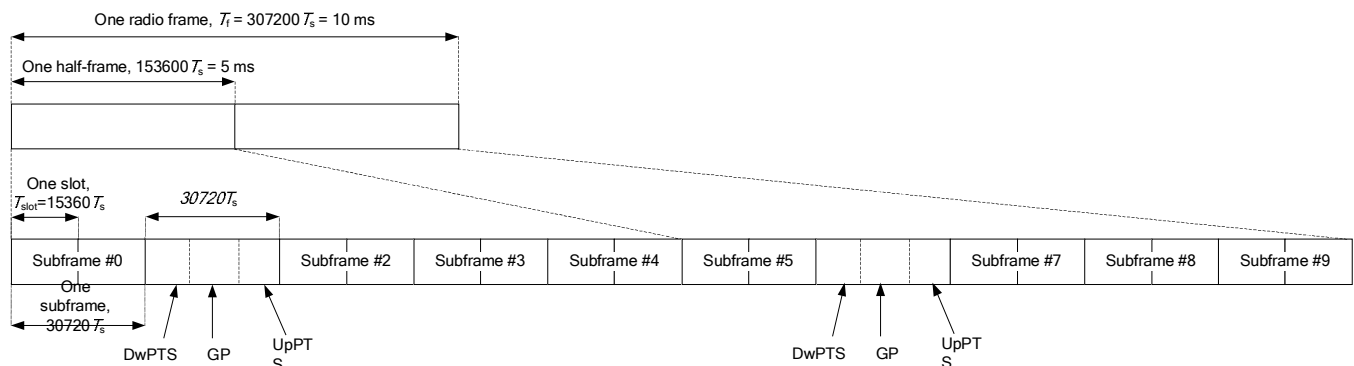


Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

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	$26336 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$			$20480 \cdot T_s$		
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:

$$\text{Duty cycle} = (30720T_s \cdot \text{Ups} + \text{Uplink Component} \cdot \text{Specials}) / (307200T_s)$$

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

$$\text{Uplink Component} = \text{UpPTS}$$

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.

$$\text{Duty cycle} = [(30720T_s \cdot \text{Ups}) + \text{UpPTS} \cdot \text{Specials}] / (307200T_s)$$

And we can get different Duty cycles under different configurations:

Uplink-downlink configuration	Subframe number			Configuration of special subframe							
				Normal cyclic prefix in downlink				Extended cyclic prefix in downlink			
				Normal cyclic prefix in uplink		Extended cyclic prefix in uplink		Normal cyclic prefix in uplink		Extended cyclic prefix in uplink	
	D	S	U	configuration 0~4	configuration 5~9	configuration 0~4	configuration 5~9	configuration 0~3	configuration 4~7	configuration 0~3	configuration 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.

6.6 WiFi Test Configuration

For WiFi SAR testing, a communication link is set up with the testing software for WiFi mode test. During the test, at the each test frequency channel, the EUT is operated at the RF continuous emission mode. The RF signal utilized in SAR measurement has 100% duty cycle and its crest factor is 1. The test procedures in KDB 248227D01v02r02 are applied.

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 $\leq 0.4 \text{ W/kg}$, 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 $\leq 0.8 \text{ W/kg}$ 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 $> 0.8 \text{ W/kg}$, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the *reported* SAR is $\leq 1.2 \text{ W/kg}$ 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 $> 0.8 \text{ W/kg}$, SAR measurement is required for the subsequent next highest measured output power channel(s) in the initial test configuration until the *reported* SAR is $\leq 1.2 \text{ W/kg}$ 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 $\leq 1.2 \text{ W/kg}$, SAR is not required for that subsequent test configuration.

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 248227D01v02) 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 248227D01v02r01). 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 g/n OFDM configurations, each standalone and frequency aggregated band is considered separately for SAR test reduction. In applying the initial test configuration and subsequent test configuration procedures, the 802.11 transmission configuration with the highest specified maximum output power and the channel within a test configuration with the highest measured maximum output power should be clearly distinguished to apply the procedures.

6.6.5 WiFi 5G SAR Test Procedures

A) 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.

B) U-NII-2C and U-NII-3 Bands

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

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

C) OFDM Transmission Mode SAR Test Configuration and Channel Selection Requirements

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

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

D) SAR Test Requirements for OFDM configurations

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

7 SAR Measurement Results

7.1 Conducted power measurements

For the measurements a Rohde & Schwarz Radio Communication Tester CMU 200&CMW500 was used. SAR drift measured at the same position in liquid before and after each SAR test as below 7.2 chapter.

Note: CMU200 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.

7.1.1 Conducted power measurements of GSM850(Second Antenna and Modem 1)

Full Power:

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	128CH	190CH	251CH		Tune-up	128CH	190CH	251CH
GSM (CS)		33.10	32.54	32.53	32.45	-9.19	23.91	23.35	23.34	23.26
GPRS/EDGE (GMSK)	1 Tx Slot	33.10	32.53	32.51	32.46	-9.19	23.91	23.34	23.32	23.27
	2 Tx Slots	31.50	31.12	31.04	30.90	-6.13	25.37	24.99	24.91	24.77
	3 Tx Slots	29.50	29.05	29.02	28.87	-4.42	25.08	24.63	24.60	24.45
	4 Tx Slots	28.00	26.77	26.86	26.91	-3.18	24.82	23.59	23.68	23.73
EDGE (8PSK)	1 Tx Slot	27.00	25.66	25.77	25.74	-9.19	17.81	16.47	16.58	16.55
	2 Tx Slots	25.00	23.92	24.03	23.96	-6.13	18.87	17.79	17.90	17.83
	3 Tx Slots	23.00	22.08	22.12	22.24	-4.42	18.58	17.66	17.70	17.82
	4 Tx Slots	21.50	20.72	20.81	20.78	-3.18	18.32	17.54	17.63	17.60

Table 13:Conducted power measurement results of GSM850(Second Antenna)

Note:

- 1) The conducted power of GSM850 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Synchronous transmission with Modem 2:

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	128CH	190CH	251CH		Tune-up	128CH	190CH	251CH
GSM (CS)		30.50	29.82	29.90	29.92	-9.19	21.31	20.63	20.71	20.73
GPRS/EDGE (GMSK)	1 Tx Slot	30.50	29.79	29.90	29.91	-9.19	21.31	20.60	20.71	20.72
	2 Tx Slots	28.50	27.68	27.79	27.84	-6.13	22.37	21.55	21.66	21.71
	3 Tx Slots	26.50	25.68	25.76	25.82	-4.42	22.08	21.26	21.34	21.40
	4 Tx Slots	25.00	24.65	24.74	24.78	-3.18	21.82	21.47	21.56	21.60
EDGE (8PSK)	1 Tx Slot	27.00	25.39	25.64	25.83	-9.19	17.81	16.20	16.45	16.64
	2 Tx Slots	25.00	23.79	24.13	24.37	-6.13	18.87	17.66	18.00	18.24
	3 Tx Slots	23.00	22.34	22.65	22.78	-4.42	18.58	17.92	18.23	18.36
	4 Tx Slots	21.50	20.93	21.19	21.35	-3.18	18.32	17.75	18.01	18.17

Table 14:Conducted power measurement results of GSM850(Second Antenna)

Note:

- 1) The conducted power of GSM850 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Wi-Fi station function work:

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	128CH	190CH	251CH		Tune-up	128CH	190CH	251CH
GSM (CS)		29.50	28.78	28.88	28.87	-9.19	20.31	19.59	19.69	19.68
GPRS/ EDGE (GMSK)	1 Tx Slot	29.50	28.71	28.83	28.84	-9.19	20.31	19.52	19.64	19.65
	2 Tx Slots	27.50	26.64	26.75	26.80	-6.13	21.37	20.51	20.62	20.67
	3 Tx Slots	25.50	24.62	24.70	24.75	-4.42	21.08	20.20	20.28	20.33
	4 Tx Slots	24.00	23.64	23.74	23.82	-3.18	20.82	20.46	20.56	20.64
EDGE (8PSK)	1 Tx Slot	27.00	25.39	25.67	25.85	-9.19	17.81	16.20	16.48	16.66
	2 Tx Slots	25.00	23.80	24.09	24.38	-6.13	18.87	17.67	17.96	18.25
	3 Tx Slots	23.00	22.32	22.59	22.77	-4.42	18.58	17.90	18.17	18.35
	4 Tx Slots	21.50	20.93	21.26	21.41	-3.18	18.32	17.75	18.08	18.23

Table 15:Conducted power measurement results of GSM850(Second Antenna)

Note:

- 1) The conducted power of GSM850 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Wi-Fi station function work, Modem 1 Synchronous transmission with Modem 2:

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	128CH	190CH	251CH		Tune-up	128CH	190CH	251CH
GSM (CS)		29.50	28.78	28.88	28.87	-9.19	20.31	19.59	19.69	19.68
GPRS/ EDGE (GMSK)	1 Tx Slot	29.50	28.71	28.83	28.84	-9.19	20.31	19.52	19.64	19.65
	2 Tx Slots	27.50	26.64	26.75	26.80	-6.13	21.37	20.51	20.62	20.67
	3 Tx Slots	25.50	24.62	24.70	24.75	-4.42	21.08	20.20	20.28	20.33
	4 Tx Slots	24.00	23.64	23.74	23.82	-3.18	20.82	20.46	20.56	20.64
EDGE (8PSK)	1 Tx Slot	27.00	25.39	25.67	25.85	-9.19	17.81	16.20	16.48	16.66
	2 Tx Slots	25.00	23.80	24.09	24.38	-6.13	18.87	17.67	17.96	18.25
	3 Tx Slots	23.00	22.32	22.59	22.77	-4.42	18.58	17.90	18.17	18.35
	4 Tx Slots	21.50	20.93	21.26	21.41	-3.18	18.32	17.75	18.08	18.23

Table 16:Conducted power measurement results of GSM850(Second Antenna)

Note:

- 1) The conducted power of GSM850 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Wi-Fi Hotspot function work:

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	128CH	190CH	251CH		Tune-up	128CH	190CH	251CH
GSM (CS)		31.50	31.00	30.95	30.80	-9.19	22.31	21.81	21.76	21.61
GPRS/ EDGE (GMSK)	1 Tx Slot	31.50	30.99	30.90	30.76	-9.19	22.31	21.80	21.71	21.57
	2 Tx Slots	29.50	28.90	28.86	28.73	-6.13	23.37	23.37	22.73	22.60
	3 Tx Slots	27.50	26.90	26.83	26.70	-4.42	23.08	22.48	22.41	22.28
	4 Tx Slots	26.00	24.86	24.79	24.65	-3.18	22.82	21.68	21.61	21.47
EDGE (8PSK)	1 Tx Slot	27.00	25.59	25.59	25.56	-9.19	17.81	16.40	16.40	16.37
	2 Tx Slots	25.00	24.12	24.13	24.07	-6.13	18.87	17.99	18.00	17.94
	3 Tx Slots	23.00	22.15	22.14	22.14	-4.42	18.58	17.73	17.72	17.72
	4 Tx Slots	21.50	20.66	20.66	20.62	-3.18	18.32	17.48	17.48	17.44

Table 17:Conducted power measurement results of GSM850(Second Antenna)

Note:

- 1) The conducted power of GSM850 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Wi-Fi Hotspot function work, Modem 1 Synchronous transmission with Modem 2:

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	128CH	190CH	251CH		Tune-up	128CH	190CH	251CH
GSM (CS)		29.50	28.78	28.88	28.87	-9.19	20.31	19.59	19.69	19.68
GPRS/EDGE (GMSK)	1 Tx Slot	29.50	28.71	28.83	28.84	-9.19	20.31	19.52	19.64	19.65
	2 Tx Slots	27.50	26.64	26.75	26.80	-6.13	21.37	20.51	20.62	20.67
	3 Tx Slots	25.50	24.62	24.70	24.75	-4.42	21.08	20.20	20.28	20.33
	4 Tx Slots	24.00	23.64	23.74	23.82	-3.18	20.82	20.46	20.56	20.64
EDGE (8PSK)	1 Tx Slot	27.00	25.39	25.67	25.85	-9.19	17.81	16.20	16.48	16.66
	2 Tx Slots	25.00	23.80	24.09	24.38	-6.13	18.87	17.67	17.96	18.25
	3 Tx Slots	23.00	22.32	22.59	22.77	-4.42	18.58	17.90	18.17	18.35
	4 Tx Slots	21.50	20.93	21.26	21.41	-3.18	18.32	17.75	18.08	18.23

Table 18:Conducted power measurement results of GSM850(Second Antenna)

Note:

- 1) The conducted power of GSM850 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

7.1.2 Conducted power measurements of GSM850(Second Antenna and Modem 2)

Full Power:

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	128CH	190CH	251CH		Tune-up	128CH	190CH	251CH
GSM (CS)		33.20	32.32	32.49	32.48	-9.19	24.01	23.13	23.30	23.29
GPRS/EDGE (GMSK)	1 Tx Slot	33.20	32.33	32.50	32.47	-9.19	24.01	23.14	23.31	23.28
	2 Tx Slots	31.50	29.92	30.05	30.15	-6.13	25.37	23.79	23.92	24.02
	3 Tx Slots	29.00	27.73	27.78	27.69	-4.42	24.58	23.31	23.36	23.27
	4 Tx Slots	27.00	25.52	25.56	25.52	-3.18	23.82	22.34	22.38	22.34
EDGE (8PSK)	1 Tx Slot	27.00	26.35	26.45	26.42	-9.19	17.81	17.16	17.26	17.23
	2 Tx Slots	25.00	23.98	24.03	24.12	-6.13	18.87	17.85	17.90	17.99
	3 Tx Slots	23.00	22.14	22.18	22.17	-4.42	18.58	17.72	17.76	17.75
	4 Tx Slots	21.00	20.21	20.36	20.38	-3.18	17.82	17.03	17.18	17.20

Table 19:Conducted power measurement results of GSM850(Second Antenna)

Note:

- 1) The conducted power of GSM850 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Synchronous transmission with Modem 1:

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	128CH	190CH	251CH		Tune-up	128CH	190CH	251CH
GSM (CS)		29.50	28.29	28.38	28.35	-9.19	20.31	19.10	19.19	19.16
GPRS/ EDGE (GMSK)	1 Tx Slot	29.50	28.30	28.36	28.35	-9.19	20.31	19.11	19.17	19.16
	2 Tx Slots	27.50	26.15	26.17	26.13	-6.13	21.37	20.02	20.04	20.00
	3 Tx Slots	25.00	23.52	23.54	23.56	-4.42	20.58	19.10	19.12	19.14
	4 Tx Slots	23.00	21.51	21.53	21.52	-3.18	19.82	18.33	18.35	18.34
EDGE (8PSK)	1 Tx Slot	27.00	26.37	26.45	26.42	-9.19	17.81	17.18	17.26	17.23
	2 Tx Slots	25.00	24.01	24.09	24.08	-6.13	18.87	17.88	17.96	17.95
	3 Tx Slots	23.00	22.10	22.18	22.16	-4.42	18.58	17.68	17.76	17.74
	4 Tx Slots	21.00	20.21	20.39	20.30	-3.18	17.82	17.03	17.21	17.12

Table 20:Conducted power measurement results of GSM850(Second Antenna)

Note:

- 1) The conducted power of GSM850 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Wi-Fi station function work, Modem 2 Synchronous transmission with Modem 1:

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	128CH	190CH	251CH		Tune-up	128CH	190CH	251CH
GSM (CS)		29.50	28.29	28.38	28.35	-9.19	20.31	19.10	19.19	19.16
GPRS/EDGE (GMSK)	1 Tx Slot	29.50	28.30	28.36	28.35	-9.19	20.31	19.11	19.17	19.16
	2 Tx Slots	27.50	26.15	26.17	26.13	-6.13	21.37	20.02	20.04	20.00
	3 Tx Slots	25.00	23.52	23.54	23.56	-4.42	20.58	19.10	19.12	19.14
	4 Tx Slots	23.00	21.51	21.53	21.52	-3.18	19.82	18.33	18.35	18.34
EDGE (8PSK)	1 Tx Slot	27.00	26.37	26.45	26.42	-9.19	17.81	17.18	17.26	17.23
	2 Tx Slots	25.00	24.01	24.09	24.08	-6.13	18.87	17.88	17.96	17.95
	3 Tx Slots	23.00	22.10	22.18	22.16	-4.42	18.58	17.68	17.76	17.74
	4 Tx Slots	21.00	20.21	20.39	20.30	-3.18	17.82	17.03	17.21	17.12

Table 21:Conducted power measurement results of GSM850(Second Antenna)

Note:

- 1) The conducted power of GSM850 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Wi-Fi Hotspot function work, Modem 2 Synchronous transmission with Modem 1:

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	128CH	190CH	251CH		Tune-up	128CH	190CH	251CH
GSM (CS)		29.50	28.29	28.38	28.35	-9.19	20.31	19.10	19.19	19.16
GPRS/ EDGE (GMSK)	1 Tx Slot	29.50	28.30	28.36	28.35	-9.19	20.31	19.11	19.17	19.16
	2 Tx Slots	27.50	26.15	26.17	26.13	-6.13	21.37	20.02	20.04	20.00
	3 Tx Slots	25.00	23.52	23.54	23.56	-4.42	20.58	19.10	19.12	19.14
	4 Tx Slots	23.00	21.51	21.53	21.52	-3.18	19.82	18.33	18.35	18.34
EDGE (8PSK)	1 Tx Slot	27.00	26.37	26.45	26.42	-9.19	17.81	17.18	17.26	17.23
	2 Tx Slots	25.00	24.01	24.09	24.08	-6.13	18.87	17.88	17.96	17.95
	3 Tx Slots	23.00	22.10	22.18	22.16	-4.42	18.58	17.68	17.76	17.74
	4 Tx Slots	21.00	20.21	20.39	20.30	-3.18	17.82	17.03	17.21	17.12

Table 22:Conducted power measurement results of GSM850(Second Antenna)

Note:

- 1) The conducted power of GSM850 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

7.1.3 Conducted power measurements of GSM1900(Second Antenna and Modem 1)

Full Power:

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	512CH	661CH	810CH		Tune-up	512CH	661CH	810CH
GSM (CS)		30.50	30.09	30.25	30.23	-9.19	21.31	20.90	21.06	21.04
GPRS/ EDGE (GMSK)	1 Tx Slot	30.50	30.08	30.23	30.22	-9.19	21.31	20.89	21.04	21.03
	2 Tx Slots	28.50	27.77	27.96	27.89	-6.13	22.37	21.64	21.83	21.76
	3 Tx Slots	26.50	25.62	25.82	25.79	-4.42	22.08	21.20	21.40	21.37
	4 Tx Slots	24.50	22.88	23.04	23.08	-3.18	21.32	19.70	19.86	19.90
EDGE (8PSK)	1 Tx Slot	26.50	26.26	26.26	26.07	-9.19	17.31	17.07	17.07	16.88
	2 Tx Slots	24.50	24.07	24.11	23.97	-6.13	18.37	17.94	17.98	17.84
	3 Tx Slots	22.50	20.75	20.89	20.86	-4.42	18.08	16.33	16.47	16.44
	4 Tx Slots	20.50	18.71	18.76	18.74	-3.18	17.32	15.53	15.58	15.56

Table 23: Conducted power measurement results of GSM1900(Second Antenna)

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Synchronous transmission with Modem 2:

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	512CH	661CH	810CH		Tune-up	512CH	661CH	810CH
GSM (CS)		28.00	27.40	27.59	27.67	-9.19	18.81	18.21	18.40	18.48
GPRS/ EDGE (GMSK)	1 Tx Slot	28.00	27.43	27.65	27.72	-9.19	18.81	18.24	18.46	18.53
	2 Tx Slots	26.00	25.39	25.59	25.62	-6.13	19.87	19.26	19.46	19.49
	3 Tx Slots	24.00	23.40	23.60	23.62	-4.42	19.58	18.98	19.18	19.20
	4 Tx Slots	22.00	21.14	21.37	21.36	-3.18	18.82	17.96	18.19	18.18
EDGE (8PSK)	1 Tx Slot	26.50	24.51	24.76	24.55	-9.19	17.31	15.32	15.57	15.36
	2 Tx Slots	24.50	22.69	22.94	22.81	-6.13	18.37	16.56	16.81	16.68
	3 Tx Slots	22.50	21.13	21.37	21.19	-4.42	18.08	16.71	16.95	16.77
	4 Tx Slots	20.50	19.54	19.75	19.62	-3.18	17.32	16.36	16.57	16.44

Table 24: Conducted power measurement results of GSM1900(Second Antenna)

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Wi-Fi station function work:

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	512CH	661CH	810CH		Tune-up	512CH	661CH	810CH
GSM (CS)		25.50	24.91	25.03	25.08	-9.19	16.31	15.72	15.84	15.89
GPRS/ EDGE (GMSK)	1 Tx Slot	25.50	24.89	25.07	25.11	-9.19	16.31	15.70	15.88	15.92
	2 Tx Slots	24.50	23.06	22.89	23.09	-6.13	18.37	16.93	16.76	16.96
	3 Tx Slots	21.50	20.91	21.06	21.11	-4.42	17.08	16.49	16.64	16.69
	4 Tx Slots	19.50	18.82	19.02	18.88	-3.18	16.32	15.64	15.84	15.70
EDGE (8PSK)	1 Tx Slot	25.50	23.53	23.64	23.71	-9.19	16.31	14.34	14.45	14.52
	2 Tx Slots	23.50	21.75	21.98	21.85	-6.13	17.37	15.62	15.85	15.72
	3 Tx Slots	21.50	20.34	20.57	20.42	-4.42	17.08	15.92	16.15	16.00
	4 Tx Slots	19.50	18.95	19.24	19.01	-3.18	16.32	15.77	16.06	15.83

Table 25: Conducted power measurement results of GSM1900(Second Antenna)

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Wi-Fi station function work, Modem 1 Synchronous transmission with Modem 2:

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	512CH	661CH	810CH		Tune-up	512CH	661CH	810CH
GSM (CS)		25.50	24.91	25.03	25.08	-9.19	16.31	15.72	15.84	15.89
GPRS/ EDGE (GMSK)	1 Tx Slot	25.50	24.89	25.07	25.11	-9.19	16.31	15.70	15.88	15.92
	2 Tx Slots	24.50	23.06	22.89	23.09	-6.13	18.37	16.93	16.76	16.96
	3 Tx Slots	21.50	20.91	21.06	21.11	-4.42	17.08	16.49	16.64	16.69
	4 Tx Slots	19.50	18.82	19.02	18.88	-3.18	16.32	15.64	15.84	15.70
EDGE (8PSK)	1 Tx Slot	25.50	23.53	23.64	23.71	-9.19	16.31	14.34	14.45	14.52
	2 Tx Slots	23.50	21.75	21.98	21.85	-6.13	17.37	15.62	15.85	15.72
	3 Tx Slots	21.50	20.34	20.57	20.42	-4.42	17.08	15.92	16.15	16.00
	4 Tx Slots	19.50	18.95	19.24	19.01	-3.18	16.32	15.77	16.06	15.83

Table 26: Conducted power measurement results of GSM1900(Second Antenna)

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Wi-Fi Hotspot function work:

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	512CH	661CH	810CH		Tune-up	512CH	661CH	810CH
GSM (CS)		29.00	28.22	28.36	28.35	-9.19	19.81	19.03	19.17	19.16
GPRS/ EDGE (GMSK)	1 Tx Slot	29.00	28.20	28.35	28.34	-9.19	19.81	19.01	19.16	19.15
	2 Tx Slots	27.00	26.06	26.23	26.19	-6.13	20.87	19.93	20.10	20.06
	3 Tx Slots	25.00	24.11	24.26	24.22	-4.42	20.58	19.69	19.84	19.80
	4 Tx Slots	23.00	21.11	21.28	21.25	-3.18	19.82	17.93	18.10	18.07
EDGE (8PSK)	1 Tx Slot	26.50	25.62	25.78	25.71	-9.19	17.31	16.43	16.59	16.52
	2 Tx Slots	24.50	23.37	23.35	23.35	-6.13	18.37	17.24	17.22	17.22
	3 Tx Slots	22.50	20.52	20.53	20.51	-4.42	18.08	16.10	16.11	16.09
	4 Tx Slots	20.50	18.56	18.57	18.51	-3.18	17.32	15.38	15.39	15.33

Table 27: Conducted power measurement results of GSM1900(Second Antenna)

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Wi-Fi Hot function work, Modem 1 Synchronous transmission with Modem 2:

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	512CH	661CH	810CH		Tune-up	512CH	661CH	810CH
GSM (CS)		25.50	24.91	25.03	25.08	-9.19	16.31	15.72	15.84	15.89
GPRS/ EDGE (GMSK)	1 Tx Slot	25.50	24.89	25.07	25.11	-9.19	16.31	15.70	15.88	15.92
	2 Tx Slots	24.50	23.06	22.89	23.09	-6.13	18.37	16.93	16.76	16.96
	3 Tx Slots	21.50	20.91	21.06	21.11	-4.42	17.08	16.49	16.64	16.69
	4 Tx Slots	19.50	18.82	19.02	18.88	-3.18	16.32	15.64	15.84	15.70
EDGE (8PSK)	1 Tx Slot	25.50	23.53	23.64	23.71	-9.19	16.31	14.34	14.45	14.52
	2 Tx Slots	23.50	21.75	21.98	21.85	-6.13	17.37	15.62	15.85	15.72
	3 Tx Slots	21.50	20.34	20.57	20.42	-4.42	17.08	15.92	16.15	16.00
	4 Tx Slots	19.50	18.95	19.24	19.01	-3.18	16.32	15.77	16.06	15.83

Table 28: Conducted power measurement results of GSM1900(Second Antenna)

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

7.1.4 Conducted power measurements of GSM1900(Second Antenna and Modem 2)

Full Power:

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	512CH	661CH	810CH		Tune-up	512CH	661CH	810CH
GSM (CS)		30.20	29.54	29.53	29.50	-9.19	21.01	20.35	20.34	20.31
GPRS/EDGE (GMSK)	1 Tx Slot	30.20	29.55	29.52	29.49	-9.19	21.01	20.36	20.33	20.30
	2 Tx Slots	28.50	27.71	27.64	27.61	-6.13	22.37	21.58	21.51	21.48
	3 Tx Slots	26.50	25.61	25.43	25.54	-4.42	22.08	21.19	21.01	21.12
	4 Tx Slots	24.50	23.46	23.35	23.34	-3.18	21.32	20.28	20.17	20.16
EDGE (8PSK)	1 Tx Slot	26.50	25.51	25.56	25.45	-9.19	17.31	16.32	16.37	16.26
	2 Tx Slots	24.50	23.48	23.55	23.65	-6.13	18.37	17.35	17.42	17.52
	3 Tx Slots	22.50	20.95	20.87	21.24	-4.42	18.08	16.53	16.45	16.82
	4 Tx Slots	20.50	18.64	18.53	18.65	-3.18	17.32	15.46	15.35	15.47

Table 29: Conducted power measurement results of GSM1900(Second Antenna)

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Synchronous transmission with Modem 1:

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	512CH	661CH	810CH		Tune-up	512CH	661CH	810CH
GSM (CS)		26.00	25.59	25.53	25.57	-9.19	16.81	16.40	16.34	16.38
GPRS/ EDGE (GMSK)	1 Tx Slot	26.00	25.57	25.48	25.59	-9.19	16.81	16.38	16.29	16.40
	2 Tx Slots	24.00	23.32	23.23	23.29	-6.13	17.87	17.19	17.10	17.16
	3 Tx Slots	22.00	21.01	20.92	21.03	-4.42	17.58	16.59	16.50	16.61
	4 Tx Slots	20.00	18.98	18.84	18.79	-3.18	16.82	15.80	15.66	15.61
EDGE (8PSK)	1 Tx Slot	24.50	23.85	23.69	23.89	-9.19	15.31	14.66	14.50	14.70
	2 Tx Slots	22.50	21.11	21.21	21.56	-6.13	16.37	14.98	15.08	15.43
	3 Tx Slots	20.50	18.80	18.66	18.96	-4.42	16.08	14.38	14.24	14.54
	4 Tx Slots	18.50	16.98	16.73	16.70	-3.18	15.32	13.80	13.55	13.52

Table 30: Conducted power measurement results of GSM1900(Second Antenna)

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Wi-Fi station function work, Modem 2 Synchronous transmission with Modem 1:

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	512CH	661CH	810CH		Tune-up	512CH	661CH	810CH
GSM (CS)		25.00	24.49	24.39	24.45	-9.19	15.81	15.30	15.20	15.26
GPRS/ EDGE (GMSK)	1 Tx Slot	25.00	24.48	24.37	24.42	-9.19	15.81	15.29	15.18	15.23
	2 Tx Slots	23.00	22.12	22.08	22.09	-6.13	16.87	15.99	15.95	15.96
	3 Tx Slots	21.00	19.98	19.91	19.93	-4.42	16.58	15.56	15.49	15.51
	4 Tx Slots	19.00	18.74	18.62	18.61	-3.18	15.82	15.56	15.44	15.43
EDGE (8PSK)	1 Tx Slot	24.50	23.86	23.61	23.82	-9.19	15.31	14.67	14.42	14.63
	2 Tx Slots	22.50	21.17	21.01	21.60	-6.13	16.37	15.04	14.88	15.47
	3 Tx Slots	20.50	18.84	18.61	18.89	-4.42	16.08	14.42	14.19	14.47
	4 Tx Slots	18.50	16.77	16.53	16.72	-3.18	15.32	13.59	13.35	13.54

Table 31: Conducted power measurement results of GSM1900(Second Antenna)

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Wi-Fi Hotspot function work, Modem 2 Synchronous transmission with Modem 1:

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	512CH	661CH	810CH		Tune-up	512CH	661CH	810CH
GSM (CS)		25.00	24.49	24.39	24.45	-9.19	15.81	15.30	15.20	15.26
GPRS/ EDGE (GMSK)	1 Tx Slot	25.00	24.48	24.37	24.42	-9.19	15.81	15.29	15.18	15.23
	2 Tx Slots	23.00	22.12	22.08	22.09	-6.13	16.87	15.99	15.95	15.96
	3 Tx Slots	21.00	19.98	19.91	19.93	-4.42	16.58	15.56	15.49	15.51
	4 Tx Slots	19.00	18.74	18.62	18.61	-3.18	15.82	15.56	15.44	15.43
EDGE (8PSK)	1 Tx Slot	24.50	23.86	23.61	23.82	-9.19	15.31	14.67	14.42	14.63
	2 Tx Slots	22.50	21.17	21.01	21.60	-6.13	16.37	15.04	14.88	15.47
	3 Tx Slots	20.50	18.84	18.61	18.89	-4.42	16.08	14.42	14.19	14.47
	4 Tx Slots	18.50	16.77	16.53	16.72	-3.18	15.32	13.59	13.35	13.54

Table 32: Conducted power measurement results of GSM1900(Second Antenna)

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

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

Full Power:

UMTS Band II		Tune-up	Conducted Power (dBm)		
			9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	24.00	23.32	23.46	23.40
	12.2kbps AMR	24.00	23.38	23.41	23.39
HSDPA	Subtest 1	23.50	22.09	22.11	22.06
	Subtest 2	23.00	22.01	22.02	22.00
	Subtest 3	22.50	21.52	21.56	21.54
	Subtest 4	22.50	21.54	21.57	21.55
HSUPA	Subtest 1	21.00	20.18	20.32	20.32
	Subtest 2	21.00	19.01	19.84	19.71
	Subtest 3	21.00	19.65	19.44	19.38
	Subtest 4	21.00	19.29	19.51	19.47
	Subtest 5	21.00	19.76	20.11	19.88
DC-HSDPA	Subtest 1	23.50	22.01	22.09	22.07
	Subtest 2	23.00	21.92	22.00	21.98
	Subtest 3	22.50	21.61	21.50	21.55
	Subtest 4	22.50	21.43	21.44	21.41

Table 33: Conducted power measurement results of UMTS Band II(Second Antenna)

Note:

- 1) The conducted power of UMTS Band II is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Synchronous transmission with Modem2:

UMTS Band II		Tune-up	Conducted Power (dBm)		
			9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	18.50	17.76	17.88	17.87
	12.2kbps AMR	18.50	17.75	17.89	17.88
HSDPA	Subtest 1	18.00	16.46	16.58	16.64
	Subtest 2	17.50	16.38	16.39	16.46
	Subtest 3	17.00	16.28	16.44	16.42
	Subtest 4	17.00	16.36	16.46	16.50
HSUPA	Subtest 1	15.50	14.18	15.41	14.23
	Subtest 2	15.50	14.39	14.53	14.41
	Subtest 3	15.50	15.01	15.06	14.30
	Subtest 4	15.50	13.78	13.99	13.89
	Subtest 5	15.50	15.11	15.15	14.67
DC-HSDPA	Subtest 1	18.00	16.38	16.55	16.56
	Subtest 2	17.50	16.30	16.22	16.33
	Subtest 3	17.00	16.21	16.40	16.41
	Subtest 4	17.00	16.18	16.47	16.42

Table 34: Conducted power measurement results of UMTS Band II(Second Antenna)

Note:

- 1) The conducted power of UMTS Band II is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi station function work:

UMTS Band II		Tune-up	Conducted Power (dBm)		
			9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	16.00	15.34	15.54	15.53
	12.2kbps AMR	16.00	15.32	15.51	15.50
HSDPA	Subtest 1	15.50	14.05	14.12	14.13
	Subtest 2	15.00	13.93	14.05	14.05
	Subtest 3	14.50	13.58	14.06	13.81
	Subtest 4	14.50	13.61	14.04	13.83
HSUPA	Subtest 1	15.00	14.29	14.54	14.59
	Subtest 2	13.00	11.79	12.12	12.13
	Subtest 3	13.00	12.41	12.61	12.62
	Subtest 4	13.00	11.27	11.56	11.60
	Subtest 5	15.00	14.83	14.98	14.96
DC-HSDPA	Subtest 1	15.50	14.00	14.08	14.11
	Subtest 2	15.00	13.90	14.01	14.03
	Subtest 3	14.50	13.55	14.11	13.88
	Subtest 4	14.50	13.48	14.00	13.87

Table 35: Conducted power measurement results of UMTS Band II(Second Antenna)

Note:

- 1) The conducted power of UMTS Band II is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

UMTS Band II		Tune-up	Conducted Power (dBm)		
			9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	16.00	15.34	15.54	15.53
	12.2kbps AMR	16.00	15.32	15.51	15.50
HSDPA	Subtest 1	15.50	14.05	14.12	14.13
	Subtest 2	15.00	13.93	14.05	14.05
	Subtest 3	14.50	13.58	14.06	13.81
	Subtest 4	14.50	13.61	14.04	13.83
HSUPA	Subtest 1	15.00	14.29	14.54	14.59
	Subtest 2	13.00	11.79	12.12	12.13
	Subtest 3	13.00	12.41	12.61	12.62
	Subtest 4	13.00	11.27	11.56	11.60
	Subtest 5	15.00	14.83	14.98	14.96
DC-HSDPA	Subtest 1	15.50	14.00	14.08	14.11
	Subtest 2	15.00	13.90	14.01	14.03
	Subtest 3	14.50	13.55	14.11	13.88
	Subtest 4	14.50	13.48	14.00	13.87

Table 36: Conducted power measurement results of UMTS Band II(Second Antenna)

Note:

- 1) The conducted power of UMTS Band II is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi Hotspot function work:

UMTS Band II		Tune-up	Conducted Power (dBm)		
			9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	19.00	18.25	18.35	18.32
	12.2kbps AMR	19.00	18.23	18.33	18.34
HSDPA	Subtest 1	18.50	17.05	17.06	16.99
	Subtest 2	18.00	16.94	17.00	16.85
	Subtest 3	17.50	16.65	16.78	16.87
	Subtest 4	17.50	16.67	16.89	16.85
HSUPA	Subtest 1	16.00	14.60	14.73	14.91
	Subtest 2	16.00	14.75	14.92	14.91
	Subtest 3	16.00	14.61	14.83	14.85
	Subtest 4	16.00	14.46	14.56	14.56
	Subtest 5	16.00	15.09	15.21	15.11
DC-HSDPA	Subtest 1	18.50	17.00	17.07	16.91
	Subtest 2	18.00	16.83	16.95	16.88
	Subtest 3	17.50	16.51	16.71	16.89
	Subtest 4	17.50	16.60	16.86	16.81

Table 37: Conducted power measurement results of UMTS Band II(Second Antenna)

Note:

- 1) The conducted power of UMTS Band II is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

UMTS Band II		Tune-up	Conducted Power (dBm)		
			9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	16.00	15.34	15.54	15.53
	12.2kbps AMR	16.00	15.32	15.51	15.50
HSDPA	Subtest 1	15.50	14.05	14.12	14.13
	Subtest 2	15.00	13.93	14.05	14.05
	Subtest 3	14.50	13.58	14.06	13.81
	Subtest 4	14.50	13.61	14.04	13.83
HSUPA	Subtest 1	15.00	14.29	14.54	14.59
	Subtest 2	13.00	11.79	12.12	12.13
	Subtest 3	13.00	12.41	12.61	12.62
	Subtest 4	13.00	11.27	11.56	11.60
	Subtest 5	15.00	14.83	14.98	14.96
DC-HSDPA	Subtest 1	15.50	14.00	14.08	14.11
	Subtest 2	15.00	13.90	14.01	14.03
	Subtest 3	14.50	13.55	14.11	13.88
	Subtest 4	14.50	13.48	14.00	13.87

Table 38: Conducted power measurement results of UMTS Band II(Second Antenna)

Note:

- 1) The conducted power of UMTS Band II is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

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

Full Power:

UMTS Band IV		Tune-up	Conducted Power (dBm)		
			1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	23.50	22.92	23.06	23.07
	12.2kbps AMR	23.50	22.91	23.04	23.06
HSDPA	Subtest 1	23.50	21.99	21.96	21.89
	Subtest 2	23.00	21.91	21.85	21.75
	Subtest 3	22.50	21.47	21.36	21.37
	Subtest 4	22.50	21.47	21.36	21.35
HSUPA	Subtest 1	21.50	20.33	20.25	20.57
	Subtest 2	21.00	19.71	19.05	19.22
	Subtest 3	21.50	19.54	19.57	19.91
	Subtest 4	20.50	19.42	19.41	19.30
	Subtest 5	21.50	20.68	19.76	20.69
DC-HSDPA	Subtest 1	23.50	21.95	21.91	21.93
	Subtest 2	23.00	21.83	21.72	21.77
	Subtest 3	22.50	21.40	21.30	21.38
	Subtest 4	22.50	21.48	21.38	21.31

Table 39: Conducted power measurement results of UMTS Band IV(Second Antenna)

Note:

- 1) The conducted power of UMTS Band IV is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Synchronous transmission with Modem2:

UMTS Band IV		Tune-up	Conducted Power (dBm)		
			1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	21.50	20.76	20.81	20.69
	12.2kbps AMR	21.50	20.77	20.80	20.66
HSDPA	Subtest 1	21.00	19.36	19.48	19.36
	Subtest 2	20.50	19.25	19.33	19.25
	Subtest 3	20.00	18.91	18.98	18.91
	Subtest 4	20.00	18.88	18.97	18.89
HSUPA	Subtest 1	19.00	17.54	18.10	18.04
	Subtest 2	18.50	17.04	17.24	17.09
	Subtest 3	19.00	17.19	17.39	17.15
	Subtest 4	18.00	16.75	16.85	16.62
	Subtest 5	19.00	18.09	17.42	17.25
DC-HSDPA	Subtest 1	21.00	19.39	19.44	19.37
	Subtest 2	20.50	19.24	19.30	19.23
	Subtest 3	20.00	18.85	18.96	18.86
	Subtest 4	20.00	18.81	18.96	18.91

Table 40: Conducted power measurement results of UMTS Band IV(Second Antenna)

Note:

- 1) The conducted power of UMTS Band IV is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi station function work:

UMTS Band IV		Tune-up	Conducted Power (dBm)		
			1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	17.00	16.23	16.29	16.15
	12.2kbps AMR	17.00	16.22	16.28	16.11
HSDPA	Subtest 1	16.50	15.07	15.05	15.02
	Subtest 2	16.00	15.01	15.03	14.96
	Subtest 3	15.50	14.79	14.77	14.93
	Subtest 4	15.50	14.87	14.88	14.83
HSUPA	Subtest 1	14.50	13.11	12.79	13.27
	Subtest 2	14.00	12.07	12.02	12.39
	Subtest 3	14.50	14.17	13.84	14.39
	Subtest 4	13.50	12.77	12.61	13.14
	Subtest 5	14.50	14.47	14.48	14.41
DC-HSDPA	Subtest 1	16.50	14.97	15.01	14.93
	Subtest 2	16.00	14.89	14.96	14.88
	Subtest 3	15.50	14.75	14.71	14.90
	Subtest 4	15.50	14.81	14.69	14.85

Table 41: Conducted power measurement results of UMTS Band IV(Second Antenna)

Note:

- 1) The conducted power of UMTS Band IV is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

UMTS Band IV		Tune-up	Conducted Power (dBm)		
			1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	17.00	16.23	16.29	16.15
	12.2kbps AMR	17.00	16.22	16.28	16.11
HSDPA	Subtest 1	16.50	15.07	15.05	15.02
	Subtest 2	16.00	15.01	15.03	14.96
	Subtest 3	15.50	14.79	14.77	14.93
	Subtest 4	15.50	14.87	14.88	14.83
HSUPA	Subtest 1	14.50	13.11	12.79	13.27
	Subtest 2	14.00	12.07	12.02	12.39
	Subtest 3	14.50	14.17	13.84	14.39
	Subtest 4	13.50	12.77	12.61	13.14
	Subtest 5	14.50	14.47	14.48	14.41
DC-HSDPA	Subtest 1	16.50	14.97	15.01	14.93
	Subtest 2	16.00	14.89	14.96	14.88
	Subtest 3	15.50	14.75	14.71	14.90
	Subtest 4	15.50	14.81	14.69	14.85

Table 42: Conducted power measurement results of UMTS Band IV(Second Antenna)

Note:

- 1) The conducted power of UMTS Band IV is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi Hotspot function work:

UMTS Band IV		Tune-up	Conducted Power (dBm)		
			1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	22.00	21.20	21.27	21.13
	12.2kbps AMR	22.00	21.23	21.27	21.14
HSDPA	Subtest 1	21.50	19.86	19.86	19.85
	Subtest 2	21.00	19.77	19.79	19.73
	Subtest 3	20.50	19.36	19.43	19.33
	Subtest 4	20.50	19.33	19.40	19.32
HSUPA	Subtest 1	19.50	17.81	17.67	17.63
	Subtest 2	19.00	17.64	17.02	17.44
	Subtest 3	19.50	17.58	17.68	17.90
	Subtest 4	18.50	17.26	17.34	16.89
	Subtest 5	19.50	18.00	18.22	17.99
DC-HSDPA	Subtest 1	21.50	19.81	19.88	19.78
	Subtest 2	21.00	19.72	19.75	19.62
	Subtest 3	20.50	19.21	19.29	19.19
	Subtest 4	20.50	19.30	19.34	19.16

Table 43: Conducted power measurement results of UMTS Band IV(Second Antenna)

Note:

- 1) The conducted power of UMTS Band IV is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

UMTS Band IV		Tune-up	Conducted Power (dBm)		
			1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	17.00	16.23	16.29	16.15
	12.2kbps AMR	17.00	16.22	16.28	16.11
HSDPA	Subtest 1	16.50	15.07	15.05	15.02
	Subtest 2	16.00	15.01	15.03	14.96
	Subtest 3	15.50	14.79	14.77	14.93
	Subtest 4	15.50	14.87	14.88	14.83
HSUPA	Subtest 1	14.50	13.11	12.79	13.27
	Subtest 2	14.00	12.07	12.02	12.39
	Subtest 3	14.50	14.17	13.84	14.39
	Subtest 4	13.50	12.77	12.61	13.14
	Subtest 5	14.50	14.47	14.48	14.41
DC-HSDPA	Subtest 1	16.50	14.97	15.01	14.93
	Subtest 2	16.00	14.89	14.96	14.88
	Subtest 3	15.50	14.75	14.71	14.90
	Subtest 4	15.50	14.81	14.69	14.85

Table 44: Conducted power measurement results of UMTS Band IV(Second Antenna)

Note:

- 1) The conducted power of UMTS Band IV is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

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

Full Power:

UMTS Band V		Tune-up	Conducted Power (dBm)		
			4132CH	4182CH	4233CH
WCDMA	12.2kbps RMC	23.50	23.03	23.09	23.06
	12.2kbps AMR	23.50	23.01	23.07	23.05
HSDPA	Subtest 1	23.50	22.01	22.02	22.01
	Subtest 2	23.50	21.95	21.95	21.96
	Subtest 3	23.00	21.28	21.28	21.30
	Subtest 4	23.00	21.26	21.28	21.31
HSUPA	Subtest 1	21.40	20.51	20.12	20.45
	Subtest 2	21.00	19.74	19.29	19.24
	Subtest 3	21.00	19.36	19.97	19.29
	Subtest 4	20.50	19.75	18.91	18.97
	Subtest 5	21.00	20.30	20.56	20.14
DC-HSDPA	Subtest 1	23.50	21.98	21.99	22.04
	Subtest 2	23.50	21.86	21.91	21.90
	Subtest 3	23.00	21.21	21.29	21.35
	Subtest 4	23.00	21.32	21.24	21.18

Table 45: Conducted power measurement results of UMTS Band V(Second Antenna)

Note:

- 1) The conducted power of UMTS Band V is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Synchronous transmission with Modem2:

UMTS Band V		Tune-up	Conducted Power (dBm)		
			4132CH	4182CH	4233CH
WCDMA	12.2kbps RMC	22.00	21.25	21.23	21.23
	12.2kbps AMR	22.00	21.24	21.25	21.20
HSDPA	Subtest 1	21.50	19.86	19.84	19.89
	Subtest 2	21.50	19.75	19.75	19.77
	Subtest 3	21.00	19.32	19.36	19.36
	Subtest 4	21.00	19.31	19.35	19.33
HSUPA	Subtest 1	19.40	17.91	17.78	18.22
	Subtest 2	19.00	17.23	17.38	17.01
	Subtest 3	19.00	17.07	17.06	17.09
	Subtest 4	18.50	16.94	16.70	16.85
	Subtest 5	19.00	17.83	17.79	18.13
DC-HSDPA	Subtest 1	21.50	19.80	19.81	19.93
	Subtest 2	21.50	19.66	19.79	19.68
	Subtest 3	21.00	19.35	19.30	19.32
	Subtest 4	21.00	19.38	19.21	19.36

Table 46: Conducted power measurement results of UMTS Band V(Second Antenna)

Note:

- 1) The conducted power of UMTS Band V is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi station function work:

UMTS Band V		Tune-up	Conducted Power (dBm)		
			4132CH	4182CH	4233CH
WCDMA	12.2kbps RMC	19.50	18.73	18.71	18.73
	12.2kbps AMR	19.50	18.71	18.70	18.74
HSDPA	Subtest 1	19.00	17.45	17.47	17.44
	Subtest 2	19.00	17.32	17.35	17.32
	Subtest 3	18.50	17.03	17.06	17.08
	Subtest 4	18.50	17.13	17.08	17.12
HSUPA	Subtest 1	16.90	15.03	15.04	14.98
	Subtest 2	16.50	15.13	14.64	15.08
	Subtest 3	16.50	15.88	15.88	15.81
	Subtest 4	16.00	14.77	14.77	14.92
	Subtest 5	16.50	15.93	15.96	15.92
DC-HSDPA	Subtest 1	19.00	17.55	17.52	17.38
	Subtest 2	19.00	17.33	17.45	17.21
	Subtest 3	18.50	16.95	17.05	17.00
	Subtest 4	18.50	17.11	17.01	17.16

Table 47: Conducted power measurement results of UMTS Band V(Second Antenna)

Note:

- 1) The conducted power of UMTS Band V is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

UMTS Band V		Tune-up	Conducted Power (dBm)		
			4132CH	4182CH	4233CH
WCDMA	12.2kbps RMC	19.50	18.73	18.71	18.73
	12.2kbps AMR	19.50	18.71	18.70	18.74
HSDPA	Subtest 1	19.00	17.45	17.47	17.44
	Subtest 2	19.00	17.32	17.35	17.32
	Subtest 3	18.50	17.03	17.06	17.08
	Subtest 4	18.50	17.13	17.08	17.12
HSUPA	Subtest 1	16.90	15.03	15.04	14.98
	Subtest 2	16.50	15.13	14.64	15.08
	Subtest 3	16.50	15.88	15.88	15.81
	Subtest 4	16.00	14.77	14.77	14.92
	Subtest 5	16.50	15.93	15.96	15.92
DC-HSDPA	Subtest 1	19.00	17.55	17.52	17.38
	Subtest 2	19.00	17.33	17.45	17.21
	Subtest 3	18.50	16.95	17.05	17.00
	Subtest 4	18.50	17.11	17.01	17.16

Table 48: Conducted power measurement results of UMTS Band V(Second Antenna)

Note:

- 1) The conducted power of UMTS Band V is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi Hotspot function work:

UMTS Band V		Tune-up	Conducted Power (dBm)		
			4132CH	4182CH	4233CH
WCDMA	12.2kbps RMC	22.50	21.76	21.77	21.77
	12.2kbps AMR	22.50	21.78	21.76	21.76
HSDPA	Subtest 1	22.00	20.39	20.40	20.42
	Subtest 2	22.00	20.28	20.29	20.29
	Subtest 3	21.50	19.81	19.84	19.82
	Subtest 4	21.50	19.82	19.82	19.81
HSUPA	Subtest 1	19.90	18.06	18.37	18.29
	Subtest 2	19.50	17.91	17.71	17.73
	Subtest 3	19.50	17.81	17.93	18.30
	Subtest 4	19.00	17.31	17.47	17.37
	Subtest 5	20.00	18.02	18.16	18.41
DC-HSDPA	Subtest 1	22.00	20.32	20.44	20.48
	Subtest 2	22.00	20.20	20.21	20.21
	Subtest 3	21.50	19.85	19.73	19.80
	Subtest 4	21.50	19.76	19.81	19.85

Table 49: Conducted power measurement results of UMTS Band V(Second Antenna)

Note:

- 1) The conducted power of UMTS Band V is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

UMTS Band V		Tune-up	Conducted Power (dBm)		
			4132CH	4182CH	4233CH
WCDMA	12.2kbps RMC	19.50	18.73	18.71	18.73
	12.2kbps AMR	19.50	18.71	18.70	18.74
HSDPA	Subtest 1	19.00	17.45	17.47	17.44
	Subtest 2	19.00	17.32	17.35	17.32
	Subtest 3	18.50	17.03	17.06	17.08
	Subtest 4	18.50	17.13	17.08	17.12
HSUPA	Subtest 1	16.90	15.03	15.04	14.98
	Subtest 2	16.50	15.13	14.64	15.08
	Subtest 3	16.50	15.88	15.88	15.81
	Subtest 4	16.00	14.77	14.77	14.92
	Subtest 5	16.50	15.93	15.96	15.92
DC-HSDPA	Subtest 1	19.00	17.55	17.52	17.38
	Subtest 2	19.00	17.33	17.45	17.21
	Subtest 3	18.50	16.95	17.05	17.00
	Subtest 4	18.50	17.11	17.01	17.16

Table 50: Conducted power measurement results of UMTS Band V(Second Antenna)

Note:

- 1) The conducted power of UMTS Band V is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

7.1.8 Conducted power measurements of LTE Band II(Second Antenna)

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	23.90	23.50	23.42	22.94
		1	3	23.90	23.61	23.51	22.95
		1	5	23.90	23.57	23.39	22.80
		3	0	23.90	23.51	23.44	23.00
		3	2	23.90	23.59	23.47	22.91
		3	3	23.90	23.57	23.43	22.82
		6	0	23.20	22.42	22.50	22.04
	16QAM	1	0	23.20	22.49	22.64	22.13
		1	3	23.20	22.60	22.81	22.18
		1	5	23.20	22.57	22.64	22.01
		3	0	23.20	22.38	22.53	22.17
		3	2	23.20	22.49	22.51	22.05
		3	3	23.20	22.48	22.47	21.96
		6	0	22.20	21.29	21.45	21.04
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18615CH	18900CH	19185CH
3MHz	QPSK	1	0	23.90	23.48	23.41	23.05
		1	7	23.90	23.67	23.51	23.09
		1	14	23.90	23.47	23.30	22.72
		8	0	23.20	22.45	22.49	22.19
		8	4	23.20	22.46	22.51	22.14
		8	7	23.20	22.47	22.41	22.03
		15	0	23.20	22.43	22.48	22.15
	16QAM	1	0	23.20	22.43	22.58	22.05
		1	7	23.20	22.72	22.73	22.11
		1	14	23.20	22.38	22.47	21.71
		8	0	22.20	21.45	21.46	21.23
		8	4	22.20	21.52	21.47	21.12
		8	7	22.20	21.47	21.37	21.04
		15	0	22.20	21.39	21.41	21.09

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18625CH	18900CH	19175CH
5MHz	QPSK	1	0	23.90	23.54	23.48	23.36
		1	13	23.90	23.66	23.54	23.20
		1	24	23.90	23.37	23.26	22.80
		12	0	23.20	22.50	22.55	22.36
		12	6	23.20	22.55	22.57	22.31
		12	13	23.20	22.43	22.43	22.13
		25	0	23.20	22.42	22.46	22.28
	16QAM	1	0	23.20	22.52	22.59	22.59
		1	13	23.20	22.81	22.66	22.50
		1	24	23.20	22.41	22.35	22.01
		12	0	22.20	21.49	21.54	21.32
		12	6	22.20	21.54	21.56	21.29
		12	13	22.20	21.41	21.42	21.10
		25	0	22.20	21.36	21.40	21.28
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18650CH	18900CH	19150CH
10MHz	QPSK	1	0	23.90	23.46	23.34	23.50
		1	25	23.90	23.52	23.57	23.43
		1	49	23.90	23.16	23.17	22.77
		25	0	23.20	22.47	22.49	22.48
		25	13	23.20	22.34	22.50	22.46
		25	25	23.20	22.31	22.34	22.31
		50	0	23.20	22.39	22.33	22.55
	16QAM	1	0	23.20	22.65	22.55	22.73
		1	25	23.20	22.79	22.88	22.74
		1	49	23.20	22.49	22.42	22.09
		25	0	22.20	21.45	21.41	21.44
		25	13	22.20	21.37	21.47	21.42
		25	25	22.20	21.35	21.36	21.33
		50	0	22.20	21.39	21.30	21.56

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18675CH	18900CH	19125CH
15MHz	QPSK	1	0	23.90	23.45	23.20	23.51
		1	38	23.90	23.59	23.55	23.55
		1	74	23.90	23.36	23.02	22.68
		36	0	23.20	22.53	22.41	22.53
		36	18	23.20	22.38	22.41	22.53
		36	39	23.20	22.32	22.24	22.37
		75	0	23.20	22.46	22.37	22.62
	16QAM	1	0	23.20	22.73	22.53	22.64
		1	38	23.20	22.90	22.91	22.78
		1	74	23.20	22.72	22.29	21.96
		36	0	22.20	21.54	21.28	21.46
		36	18	22.20	21.41	21.31	21.47
		36	39	22.20	21.35	21.20	21.36
		75	0	22.20	21.38	21.27	21.52
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18700CH	18900CH	19100CH
20MHz	QPSK	1	0	23.90	23.53	22.68	23.63
		1	50	23.90	23.54	23.42	23.68
		1	99	23.90	23.46	22.97	21.92
		50	0	23.20	22.42	22.31	22.63
		50	25	23.20	22.46	22.33	22.55
		50	50	23.20	22.59	22.14	22.54
		100	0	23.20	22.55	22.32	22.61
	16QAM	1	0	23.20	22.83	22.54	22.98
		1	50	23.20	22.82	22.97	22.99
		1	99	23.20	22.85	22.31	22.22
		50	0	22.20	21.39	21.20	21.61
		50	25	22.20	21.39	21.26	21.55
		50	50	22.20	21.57	21.05	21.52
		100	0	22.20	21.45	21.24	21.60

Table 51: Conducted power measurement results of LTE Band II(Second Antenna)

After Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	18.40	17.69	17.96	17.79
		1	3	18.40	17.75	18.02	17.83
		1	5	18.40	17.69	17.88	17.64
		3	0	18.40	17.67	17.99	17.85
		3	2	18.40	17.73	18.00	17.83
		3	3	18.40	17.73	17.96	17.74
		6	0	17.70	16.72	17.05	16.88
	16QAM	1	0	17.70	16.95	17.23	17.02
		1	3	17.70	17.04	17.30	17.16
		1	5	17.70	16.99	17.21	16.90
		3	0	17.70	16.68	17.22	16.85
		3	2	17.70	16.75	17.01	16.83
		3	3	17.70	16.82	16.97	16.74
		6	0	16.70	15.73	16.11	16.04
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18615CH	18900CH	19185CH
3MHz	QPSK	1	0	18.40	17.67	18.00	17.86
		1	7	18.40	17.94	18.13	18.00
		1	14	18.40	17.71	17.85	17.75
		8	0	17.70	16.78	17.09	17.06
		8	4	17.70	16.86	17.11	17.04
		8	7	17.70	16.88	16.99	16.93
		15	0	17.70	16.84	17.08	17.03
	16QAM	1	0	17.70	16.82	17.16	16.78
		1	7	17.70	17.07	17.00	16.88
		1	14	17.70	16.73	16.96	16.62
		8	0	16.70	15.71	16.02	15.93
		8	4	16.70	15.75	16.04	15.89
		8	7	16.70	15.80	15.90	15.83
		15	0	16.70	15.77	15.94	15.84

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18625CH	18900CH	19175CH
5MHz	QPSK	1	0	18.40	17.70	18.09	18.00
		1	13	18.40	18.05	18.14	18.04
		1	24	18.40	17.66	17.78	17.65
		12	0	17.70	16.90	17.18	17.06
		12	6	17.70	16.93	17.20	17.07
		12	13	17.70	16.83	17.01	16.93
		25	0	17.70	16.82	17.09	17.09
	16QAM	1	0	17.70	16.76	17.07	17.05
		1	13	17.70	17.07	17.18	17.04
		1	24	17.70	16.71	16.79	16.73
		12	0	16.70	15.85	16.09	15.98
		12	6	16.70	15.93	16.10	16.01
		12	13	16.70	15.76	15.91	15.87
		25	0	16.70	15.79	15.94	16.00
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18650CH	18900CH	19150CH
10MHz	QPSK	1	0	18.40	17.72	18.02	18.01
		1	25	18.40	18.08	18.18	18.19
		1	49	18.40	17.81	17.70	17.73
		25	0	17.70	16.87	17.12	17.09
		25	13	17.70	16.90	17.14	17.19
		25	25	17.70	16.92	16.95	17.12
		50	0	17.70	16.88	16.96	17.27
	16QAM	1	0	17.70	16.97	17.14	17.11
		1	25	17.70	17.32	17.32	17.34
		1	49	17.70	17.06	16.78	16.88
		25	0	16.70	15.86	15.98	15.93
		25	13	16.70	15.83	16.01	16.06
		25	25	16.70	15.85	15.81	16.00
		50	0	16.70	15.75	15.83	16.15

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18675CH	18900CH	19125CH
15MHz	QPSK	1	0	18.40	17.60	17.88	17.84
		1	38	18.40	18.16	18.17	18.19
		1	74	18.40	17.86	17.42	17.59
		36	0	17.70	16.98	17.04	17.02
		36	18	17.70	17.04	17.05	17.15
		36	39	17.70	16.97	16.86	17.13
		75	0	17.70	16.94	16.98	17.25
	16QAM	1	0	17.70	16.87	17.16	17.04
		1	38	17.70	17.42	17.48	17.42
		1	74	17.70	17.09	16.71	16.81
		36	0	16.70	15.95	15.96	15.95
		36	18	16.70	15.95	15.96	16.09
		36	39	16.70	15.93	15.74	16.04
		75	0	16.70	15.81	15.88	16.15
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18700CH	18900CH	19100CH
20MHz	QPSK	1	0	18.40	17.65	17.86	17.68
		1	50	18.40	18.09	18.17	18.14
		1	99	18.40	18.18	17.32	17.59
		50	0	17.70	16.87	16.97	16.99
		50	25	17.70	17.03	16.98	17.16
		50	50	17.70	17.23	16.72	17.23
		100	0	17.70	17.01	16.93	17.14
	16QAM	1	0	17.70	17.01	17.11	16.79
		1	50	17.70	17.44	17.47	17.40
		1	99	17.70	17.49	16.63	16.85
		50	0	16.70	15.74	15.89	15.92
		50	25	16.70	15.95	15.89	16.03
		50	50	16.70	16.15	15.61	16.12
		100	0	16.70	15.96	15.78	16.05

Table 52: Conducted power measurement results of LTE Band II(Second Antenna)

After Wi-Fi station function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	15.90	15.26	15.52	15.50
		1	3	15.90	15.31	15.63	15.53
		1	5	15.90	15.29	15.40	15.38
		3	0	15.90	15.24	15.61	15.58
		3	2	15.90	15.32	15.62	15.53
		3	3	15.90	15.30	15.57	15.44
		6	0	15.20	14.28	14.62	14.57
	16QAM	1	0	15.20	14.19	14.81	14.81
		1	3	15.20	14.44	14.90	14.90
		1	5	15.20	14.21	14.53	14.57
		3	0	15.20	14.22	14.71	14.69
		3	2	15.20	14.22	14.62	14.73
		3	3	15.20	14.28	14.57	14.59
		6	0	14.20	12.87	13.07	13.17
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18615CH	18900CH	19185CH
3MHz	QPSK	1	0	15.90	15.06	15.57	15.41
		1	7	15.90	15.50	15.63	15.69
		1	14	15.90	15.14	15.33	15.29
		8	0	15.20	14.23	14.63	14.61
		8	4	15.20	14.31	14.65	14.62
		8	7	15.20	14.30	14.53	14.53
		15	0	15.20	14.30	14.60	14.59
	16QAM	1	0	15.20	14.15	14.77	14.69
		1	7	15.20	14.56	14.97	14.98
		1	14	15.20	14.18	14.53	14.60
		8	0	14.20	12.81	13.08	13.07
		8	4	14.20	12.91	13.00	13.08
		8	7	14.20	12.81	12.87	12.99
		15	0	14.20	12.84	12.95	13.00

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18625CH	18900CH	19175CH
5MHz	QPSK	1	0	15.90	15.11	15.60	15.48
		1	13	15.90	15.50	15.65	15.66
		1	24	15.90	15.12	15.19	15.27
		12	0	15.20	14.38	14.70	14.62
		12	6	15.20	14.47	14.71	14.66
		12	13	15.20	14.33	14.50	14.51
		25	0	15.20	14.35	14.60	14.66
	16QAM	1	0	15.20	14.23	14.70	14.90
		1	13	15.20	14.63	14.85	14.95
		1	24	15.20	14.21	14.34	14.65
		12	0	14.20	13.00	13.16	13.09
		12	6	14.20	13.00	13.16	13.18
		12	13	14.20	12.69	12.94	13.00
		25	0	14.20	12.80	13.02	13.05
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18650CH	18900CH	19150CH
10MHz	QPSK	1	0	15.90	15.08	15.60	15.46
		1	25	15.90	15.53	15.76	15.74
		1	49	15.90	15.25	15.10	15.38
		25	0	15.20	14.39	14.69	14.59
		25	13	15.20	14.41	14.69	14.75
		25	25	15.20	14.43	14.49	14.69
		50	0	15.20	14.38	14.53	14.81
	16QAM	1	0	15.20	14.31	14.81	14.56
		1	25	15.20	14.78	15.03	14.94
		1	49	15.20	14.57	14.37	14.62
		25	0	14.20	12.90	13.05	12.78
		25	13	14.20	12.85	13.09	13.03
		25	25	14.20	12.77	12.87	12.95
		50	0	14.20	12.77	12.93	13.02

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18675CH	18900CH	19125CH
15MHz	QPSK	1	0	15.90	14.98	15.47	15.29
		1	38	15.90	15.66	15.76	15.80
		1	74	15.90	15.30	14.85	15.27
		36	0	15.20	14.47	14.60	14.54
		36	18	15.20	14.55	14.60	14.71
		36	39	15.20	14.51	14.28	14.72
		75	0	15.20	14.43	14.48	14.80
	16QAM	1	0	15.20	14.10	14.68	14.50
		1	38	15.20	14.88	15.04	15.06
		1	74	15.20	14.45	14.07	14.52
		36	0	14.20	12.96	12.99	12.63
		36	18	14.20	12.92	13.07	13.01
		36	39	14.20	12.67	12.80	12.93
		75	0	14.20	12.74	12.88	12.94
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18700CH	18900CH	19100CH
20MHz	QPSK	1	0	15.90	14.98	15.41	14.99
		1	50	15.90	15.65	15.71	15.75
		1	99	15.90	15.70	14.66	15.19
		50	0	15.20	14.32	14.52	14.44
		50	25	15.20	14.58	14.51	14.63
		50	50	15.20	14.70	14.11	14.75
		100	0	15.20	14.50	14.39	14.65
	16QAM	1	0	15.20	14.26	14.61	14.24
		1	50	15.20	15.05	15.02	15.13
		1	99	15.20	15.03	13.90	14.54
		50	0	14.20	12.73	12.93	12.66
		50	25	14.20	12.75	12.95	12.90
		50	50	14.20	12.66	12.62	12.79
		100	0	14.20	12.69	12.78	12.73

Table 53: Conducted power measurement results of LTE Band II(Second Antenna)

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	15.90	15.26	15.52	15.50
		1	3	15.90	15.31	15.63	15.53
		1	5	15.90	15.29	15.40	15.38
		3	0	15.90	15.24	15.61	15.58
		3	2	15.90	15.32	15.62	15.53
		3	3	15.90	15.30	15.57	15.44
		6	0	15.20	14.28	14.62	14.57
	16QAM	1	0	15.20	14.19	14.81	14.81
		1	3	15.20	14.44	14.90	14.90
		1	5	15.20	14.21	14.53	14.57
		3	0	15.20	14.22	14.71	14.69
		3	2	15.20	14.22	14.62	14.73
		3	3	15.20	14.28	14.57	14.59
		6	0	14.20	12.87	13.07	13.17
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18615CH	18900CH	19185CH
3MHz	QPSK	1	0	15.90	15.06	15.57	15.41
		1	7	15.90	15.50	15.63	15.69
		1	14	15.90	15.14	15.33	15.29
		8	0	15.20	14.23	14.63	14.61
		8	4	15.20	14.31	14.65	14.62
		8	7	15.20	14.30	14.53	14.53
		15	0	15.20	14.30	14.60	14.59
	16QAM	1	0	15.20	14.15	14.77	14.69
		1	7	15.20	14.56	14.97	14.98
		1	14	15.20	14.18	14.53	14.60
		8	0	14.20	12.81	13.08	13.07
		8	4	14.20	12.91	13.00	13.08
		8	7	14.20	12.81	12.87	12.99
		15	0	14.20	12.84	12.95	13.00

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18625CH	18900CH	19175CH
5MHz	QPSK	1	0	15.90	15.11	15.60	15.48
		1	13	15.90	15.50	15.65	15.66
		1	24	15.90	15.12	15.19	15.27
		12	0	15.20	14.38	14.70	14.62
		12	6	15.20	14.47	14.71	14.66
		12	13	15.20	14.33	14.50	14.51
		25	0	15.20	14.35	14.60	14.66
	16QAM	1	0	15.20	14.23	14.70	14.90
		1	13	15.20	14.63	14.85	14.95
		1	24	15.20	14.21	14.34	14.65
		12	0	14.20	13.00	13.16	13.09
		12	6	14.20	13.00	13.16	13.18
		12	13	14.20	12.69	12.94	13.00
		25	0	14.20	12.80	13.02	13.05
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18650CH	18900CH	19150CH
10MHz	QPSK	1	0	15.90	15.08	15.60	15.46
		1	25	15.90	15.53	15.76	15.74
		1	49	15.90	15.25	15.10	15.38
		25	0	15.20	14.39	14.69	14.59
		25	13	15.20	14.41	14.69	14.75
		25	25	15.20	14.43	14.49	14.69
		50	0	15.20	14.38	14.53	14.81
	16QAM	1	0	15.20	14.31	14.81	14.56
		1	25	15.20	14.78	15.03	14.94
		1	49	15.20	14.57	14.37	14.62
		25	0	14.20	12.90	13.05	12.78
		25	13	14.20	12.85	13.09	13.03
		25	25	14.20	12.77	12.87	12.95
		50	0	14.20	12.77	12.93	13.02

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18675CH	18900CH	19125CH
15MHz	QPSK	1	0	15.90	14.98	15.47	15.29
		1	38	15.90	15.66	15.76	15.80
		1	74	15.90	15.30	14.85	15.27
		36	0	15.20	14.47	14.60	14.54
		36	18	15.20	14.55	14.60	14.71
		36	39	15.20	14.51	14.28	14.72
		75	0	15.20	14.43	14.48	14.80
	16QAM	1	0	15.20	14.10	14.68	14.50
		1	38	15.20	14.88	15.04	15.06
		1	74	15.20	14.45	14.07	14.52
		36	0	14.20	12.96	12.99	12.63
		36	18	14.20	12.92	13.07	13.01
		36	39	14.20	12.67	12.80	12.93
		75	0	14.20	12.74	12.88	12.94
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18700CH	18900CH	19100CH
20MHz	QPSK	1	0	15.90	14.98	15.41	14.99
		1	50	15.90	15.65	15.71	15.75
		1	99	15.90	15.70	14.66	15.19
		50	0	15.20	14.32	14.52	14.44
		50	25	15.20	14.58	14.51	14.63
		50	50	15.20	14.70	14.11	14.75
		100	0	15.20	14.50	14.39	14.65
	16QAM	1	0	15.20	14.26	14.61	14.24
		1	50	15.20	15.05	15.02	15.13
		1	99	15.20	15.03	13.90	14.54
		50	0	14.20	12.73	12.93	12.66
		50	25	14.20	12.75	12.95	12.90
		50	50	14.20	12.66	12.62	12.79
		100	0	14.20	12.69	12.78	12.73

Table 54: Conducted power measurement results of LTE Band II(Second Antenna)

After Wi-Fi Hotspot function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	18.90	18.19	18.37	18.24
		1	3	18.90	18.23	18.45	18.23
		1	5	18.90	18.17	18.39	18.09
		3	0	18.90	18.15	18.42	18.30
		3	2	18.90	18.25	18.44	18.22
		3	3	18.90	18.24	18.39	18.12
		6	0	18.20	17.19	17.48	17.33
	16QAM	1	0	18.20	17.18	17.57	17.27
		1	3	18.20	17.25	17.55	17.25
		1	5	18.20	17.19	17.45	17.12
		3	0	18.20	17.16	17.39	17.26
		3	2	18.20	17.04	17.40	17.28
		3	3	18.20	17.02	17.36	17.09
		6	0	17.20	16.08	16.31	16.21
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18615CH	18900CH	19185CH
3MHz	QPSK	1	0	18.90	18.12	18.34	18.18
		1	7	18.90	18.44	18.49	18.32
		1	14	18.90	18.15	18.18	18.01
		8	0	18.20	17.23	17.41	17.39
		8	4	18.20	17.31	17.42	17.36
		8	7	18.20	17.32	17.30	17.27
		15	0	18.20	17.28	17.40	17.36
	16QAM	1	0	18.20	17.17	17.36	17.13
		1	7	18.20	17.50	17.73	17.35
		1	14	18.20	17.20	17.41	16.95
		8	0	17.20	16.13	16.39	16.30
		8	4	17.20	16.16	16.38	16.28
		8	7	17.20	16.16	16.24	16.18
		15	0	17.20	16.14	16.26	16.21

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18625CH	18900CH	19175CH
5MHz	QPSK	1	0	18.90	18.14	18.41	18.33
		1	13	18.90	18.48	18.51	18.33
		1	24	18.90	18.06	18.18	17.93
		12	0	18.20	17.34	17.52	17.34
		12	6	18.20	17.42	17.57	17.37
		12	13	18.20	17.29	17.39	17.22
		25	0	18.20	17.29	17.46	17.39
	16QAM	1	0	18.20	17.22	17.61	17.61
		1	13	18.20	17.56	17.74	17.66
		1	24	18.20	17.17	17.36	17.24
		12	0	17.20	16.17	16.42	16.48
		12	6	17.20	16.25	16.44	16.50
		12	13	17.20	16.12	16.25	16.33
		25	0	17.20	16.13	16.31	16.45
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18650CH	18900CH	19150CH
10MHz	QPSK	1	0	18.90	18.12	18.48	18.37
		1	25	18.90	18.43	18.62	18.54
		1	49	18.90	18.12	18.10	18.06
		25	0	18.20	17.36	17.54	17.46
		25	13	18.20	17.32	17.49	17.50
		25	25	18.20	17.31	17.37	17.46
		50	0	18.20	17.30	17.38	17.60
	16QAM	1	0	18.20	17.39	17.76	17.64
		1	25	18.20	17.64	17.96	17.81
		1	49	18.20	17.38	17.44	17.34
		25	0	17.20	16.21	16.43	16.32
		25	13	17.20	16.18	16.39	16.40
		25	25	17.20	16.17	16.23	16.39
		50	0	17.20	16.14	16.25	16.54

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18675CH	18900CH	19125CH
15MHz	QPSK	1	0	18.90	18.08	18.30	18.22
		1	38	18.90	18.51	18.58	18.59
		1	74	18.90	18.19	17.85	17.95
		36	0	18.20	17.44	17.46	17.40
		36	18	18.20	17.41	17.47	17.51
		36	39	18.20	17.36	17.24	17.45
		75	0	18.20	17.33	17.33	17.54
	16QAM	1	0	18.20	17.11	17.54	17.45
		1	38	18.20	17.54	17.90	17.82
		1	74	18.20	17.25	17.13	17.20
		36	0	17.20	16.25	16.35	16.32
		36	18	17.20	16.24	16.34	16.45
		36	39	17.20	16.19	16.10	16.45
		75	0	17.20	16.17	16.22	16.55
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18700CH	18900CH	19100CH
20MHz	QPSK	1	0	18.90	18.08	18.33	18.12
		1	50	18.90	18.43	18.56	18.62
		1	99	18.90	18.52	17.79	17.95
		50	0	18.20	17.27	17.39	17.56
		50	25	18.20	17.42	17.33	17.55
		50	50	18.20	17.48	17.06	17.51
		100	0	18.20	17.42	17.27	17.51
	16QAM	1	0	18.20	17.35	17.44	17.41
		1	50	18.20	17.72	17.83	17.90
		1	99	18.20	17.92	16.96	17.24
		50	0	17.20	16.16	16.26	16.27
		50	25	17.20	16.30	16.24	16.38
		50	50	17.20	16.44	15.96	16.52
		100	0	17.20	16.30	16.15	16.42

Table 55: Conducted power measurement results of LTE Band II(Second Antenna)

After Wi-Fi Hot function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	15.90	15.26	15.52	15.50
		1	3	15.90	15.31	15.63	15.53
		1	5	15.90	15.29	15.40	15.38
		3	0	15.90	15.24	15.61	15.58
		3	2	15.90	15.32	15.62	15.53
		3	3	15.90	15.30	15.57	15.44
		6	0	15.20	14.28	14.62	14.57
	16QAM	1	0	15.20	14.19	14.81	14.81
		1	3	15.20	14.44	14.90	14.90
		1	5	15.20	14.21	14.53	14.57
		3	0	15.20	14.22	14.71	14.69
		3	2	15.20	14.22	14.62	14.73
		3	3	15.20	14.28	14.57	14.59
		6	0	14.20	12.87	13.07	13.17
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18615CH	18900CH	19185CH
3MHz	QPSK	1	0	15.90	15.06	15.57	15.41
		1	7	15.90	15.50	15.63	15.69
		1	14	15.90	15.14	15.33	15.29
		8	0	15.20	14.23	14.63	14.61
		8	4	15.20	14.31	14.65	14.62
		8	7	15.20	14.30	14.53	14.53
		15	0	15.20	14.30	14.60	14.59
	16QAM	1	0	15.20	14.15	14.77	14.69
		1	7	15.20	14.56	14.97	14.98
		1	14	15.20	14.18	14.53	14.60
		8	0	14.20	12.81	13.08	13.07
		8	4	14.20	12.91	13.00	13.08
		8	7	14.20	12.81	12.87	12.99
		15	0	14.20	12.84	12.95	13.00

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18625CH	18900CH	19175CH
5MHz	QPSK	1	0	15.90	15.11	15.60	15.48
		1	13	15.90	15.50	15.65	15.66
		1	24	15.90	15.12	15.19	15.27
		12	0	15.20	14.38	14.70	14.62
		12	6	15.20	14.47	14.71	14.66
		12	13	15.20	14.33	14.50	14.51
		25	0	15.20	14.35	14.60	14.66
	16QAM	1	0	15.20	14.23	14.70	14.90
		1	13	15.20	14.63	14.85	14.95
		1	24	15.20	14.21	14.34	14.65
		12	0	14.20	13.00	13.16	13.09
		12	6	14.20	13.00	13.16	13.18
		12	13	14.20	12.69	12.94	13.00
		25	0	14.20	12.80	13.02	13.05
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18650CH	18900CH	19150CH
10MHz	QPSK	1	0	15.90	15.08	15.60	15.46
		1	25	15.90	15.53	15.76	15.74
		1	49	15.90	15.25	15.10	15.38
		25	0	15.20	14.39	14.69	14.59
		25	13	15.20	14.41	14.69	14.75
		25	25	15.20	14.43	14.49	14.69
		50	0	15.20	14.38	14.53	14.81
	16QAM	1	0	15.20	14.31	14.81	14.56
		1	25	15.20	14.78	15.03	14.94
		1	49	15.20	14.57	14.37	14.62
		25	0	14.20	12.90	13.05	12.78
		25	13	14.20	12.85	13.09	13.03
		25	25	14.20	12.77	12.87	12.95
		50	0	14.20	12.77	12.93	13.02

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18675CH	18900CH	19125CH
15MHz	QPSK	1	0	15.90	14.98	15.47	15.29
		1	38	15.90	15.66	15.76	15.80
		1	74	15.90	15.30	14.85	15.27
		36	0	15.20	14.47	14.60	14.54
		36	18	15.20	14.55	14.60	14.71
		36	39	15.20	14.51	14.28	14.72
		75	0	15.20	14.43	14.48	14.80
	16QAM	1	0	15.20	14.10	14.68	14.50
		1	38	15.20	14.88	15.04	15.06
		1	74	15.20	14.45	14.07	14.52
		36	0	14.20	12.96	12.99	12.63
		36	18	14.20	12.92	13.07	13.01
		36	39	14.20	12.67	12.80	12.93
		75	0	14.20	12.74	12.88	12.94
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18700CH	18900CH	19100CH
20MHz	QPSK	1	0	15.90	14.98	15.41	14.99
		1	50	15.90	15.65	15.71	15.75
		1	99	15.90	15.70	14.66	15.19
		50	0	15.20	14.32	14.52	14.44
		50	25	15.20	14.58	14.51	14.63
		50	50	15.20	14.70	14.11	14.75
		100	0	15.20	14.50	14.39	14.65
	16QAM	1	0	15.20	14.26	14.61	14.24
		1	50	15.20	15.05	15.02	15.13
		1	99	15.20	15.03	13.90	14.54
		50	0	14.20	12.73	12.93	12.66
		50	25	14.20	12.75	12.95	12.90
		50	50	14.20	12.66	12.62	12.79
		100	0	14.20	12.69	12.78	12.73

Table 56: Conducted power measurement results of LTE Band II(Second Antenna)

7.1.9 Conducted power measurements of LTE Band IV(Second Antenna)

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19957CH	20175CH	20393CH
1.4MHz	QPSK	1	0	24.50	22.65	23.39	23.96
		1	3	24.50	22.70	23.39	24.09
		1	5	24.50	22.63	23.25	23.98
		3	0	24.50	22.61	23.44	23.99
		3	2	24.50	22.68	23.40	24.08
		3	3	24.50	22.66	23.36	23.94
		6	0	23.50	21.52	22.19	22.74
	16QAM	1	0	23.50	21.69	22.36	22.83
		1	3	23.50	21.81	22.39	22.76
		1	5	23.50	21.75	22.22	22.65
		3	0	23.50	21.56	22.39	22.70
		3	2	23.50	21.52	22.34	22.80
		3	3	23.50	21.52	22.30	22.73
		6	0	22.00	20.36	21.25	21.77
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19965CH	20175CH	20385CH
3MHz	QPSK	1	0	24.50	22.58	23.57	23.39
		1	7	24.50	23.12	23.44	23.89
		1	14	24.50	22.98	22.79	23.79
		8	0	23.50	21.52	22.63	22.44
		8	4	23.50	21.74	22.30	22.57
		8	7	23.50	21.75	21.92	22.62
		15	0	23.50	21.60	22.12	22.61
	16QAM	1	0	23.50	21.54	22.46	22.40
		1	7	23.50	22.09	22.18	22.85
		1	14	23.50	21.94	21.57	22.71
		8	0	22.00	20.45	21.46	21.24
		8	4	22.00	20.65	21.26	21.36
		8	7	22.00	20.65	20.93	21.45
		15	0	22.00	20.46	21.11	21.42

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19975CH	20175CH	20375CH
5MHz	QPSK	1	0	24.50	22.58	23.57	23.39
		1	13	24.50	23.12	23.44	23.89
		1	24	24.50	22.98	22.79	23.79
		12	0	23.50	21.52	22.63	22.44
		12	6	23.50	21.74	22.30	22.57
		12	13	23.50	21.75	21.92	22.62
		25	0	23.50	21.60	22.12	22.61
	16QAM	1	0	23.50	21.54	22.46	22.40
		1	13	23.50	22.09	22.18	22.85
		1	24	23.50	21.94	21.57	22.71
		12	0	22.00	20.45	21.46	21.24
		12	6	22.00	20.65	21.26	21.36
		12	13	22.00	20.65	20.93	21.45
		25	0	22.00	20.46	21.11	21.42
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20000CH	20175CH	20350CH
10MHz	QPSK	1	0	24.50	22.56	23.56	22.77
		1	25	24.50	23.40	23.44	23.45
		1	49	24.50	23.46	22.55	23.69
		25	0	23.50	21.67	22.30	21.86
		25	13	23.50	22.04	22.16	22.11
		25	25	23.50	22.24	21.87	22.35
		50	0	23.50	21.98	22.13	22.14
	16QAM	1	0	23.50	21.52	22.80	21.92
		1	25	23.50	22.49	22.46	22.61
		1	49	23.50	22.54	21.54	22.78
		25	0	22.00	20.50	21.33	20.68
		25	13	22.00	20.88	21.18	20.95
		25	25	22.00	21.13	20.87	21.28
		50	0	22.00	20.88	21.14	21.03

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20025CH	20175CH	20325CH
15MHz	QPSK	1	0	24.50	22.55	23.59	22.75
		1	38	24.50	23.79	23.43	23.39
		1	74	24.50	23.70	22.52	23.76
		36	0	23.50	21.91	22.62	21.82
		36	18	23.50	22.37	22.12	22.05
		36	39	23.50	22.48	21.64	22.32
		75	0	23.50	22.28	22.11	22.05
	16QAM	1	0	23.50	21.61	22.65	21.81
		1	38	23.50	22.70	22.47	22.48
		1	74	23.50	22.76	21.58	22.82
		36	0	22.00	20.78	21.49	20.76
		36	18	22.00	21.29	21.14	20.96
		36	39	22.00	21.45	20.56	21.27
		75	0	22.00	21.13	21.04	20.96
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20050CH	20175CH	20300CH
20MHz	QPSK	1	0	24.50	22.95	23.60	23.04
		1	50	24.50	24.08	23.39	23.60
		1	99	24.50	23.49	23.18	23.97
		50	0	23.50	22.14	22.45	21.57
		50	25	23.50	22.51	22.22	21.93
		50	50	23.50	22.66	21.68	22.18
		100	0	23.50	22.48	22.08	21.90
	16QAM	1	0	23.50	22.01	23.23	22.22
		1	50	23.50	23.14	23.27	22.77
		1	99	23.50	23.45	22.50	23.49
		50	0	22.00	20.98	21.45	20.43
		50	25	22.00	21.42	21.20	20.81
		50	50	22.00	21.63	20.67	21.07
		100	0	22.00	21.41	21.07	20.73

Table 57: Conducted power measurement results of LTE Band IV(Second Antenna)

After Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19957CH	20175CH	20393CH
1.4MHz	QPSK	1	0	21.30	19.38	20.48	20.76
		1	3	21.30	19.41	20.43	20.92
		1	5	21.30	19.32	20.23	20.82
		3	0	21.30	19.34	20.39	20.76
		3	2	21.30	19.35	20.37	20.91
		3	3	21.30	19.37	20.34	20.88
		6	0	19.90	17.97	19.24	19.69
	16QAM	1	0	19.90	18.09	19.46	19.78
		1	3	19.90	18.19	19.44	19.84
		1	5	19.90	17.95	19.20	19.69
		3	0	19.90	17.96	19.43	19.69
		3	2	19.90	18.00	19.28	19.79
		3	3	19.90	17.97	19.35	19.76
		6	0	18.70	16.77	18.16	18.53
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19965CH	20175CH	20385CH
3MHz	QPSK	1	0	21.30	19.31	20.59	20.39
		1	7	21.30	19.46	20.45	20.86
		1	14	21.30	19.37	19.97	20.78
		8	0	19.90	17.95	19.38	19.43
		8	4	19.90	18.07	19.31	19.56
		8	7	19.90	18.08	19.16	19.61
		15	0	19.90	18.00	19.29	19.57
	16QAM	1	0	19.90	18.06	19.76	19.38
		1	7	19.90	18.14	19.65	19.83
		1	14	19.90	18.03	19.03	19.89
		8	0	18.70	16.77	18.28	18.16
		8	4	18.70	16.91	18.17	18.35
		8	7	18.70	16.93	17.99	18.40
		15	0	18.70	16.74	18.07	18.33

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19975CH	20175CH	20375CH
5MHz	QPSK	1	0	21.30	19.33	20.64	20.09
		1	13	21.30	19.67	20.44	20.71
		1	24	21.30	19.51	19.65	20.69
		12	0	19.80	18.04	19.61	19.19
		12	6	19.80	18.28	19.41	19.38
		12	13	19.80	18.30	18.99	19.46
		25	0	19.80	18.14	19.26	19.43
	16QAM	1	0	19.80	17.84	19.59	18.92
		1	13	19.80	18.46	19.41	19.63
		1	24	19.80	18.33	18.55	19.55
		12	0	18.70	16.81	18.46	17.88
		12	6	18.70	17.03	18.26	18.09
		12	13	18.70	17.07	17.72	18.22
		25	0	18.70	16.90	18.04	18.19
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20000CH	20175CH	20350CH
10MHz	QPSK	1	0	21.30	19.34	20.68	19.46
		1	25	21.30	20.03	20.46	20.22
		1	49	21.30	20.25	19.32	20.59
		25	0	19.80	18.19	19.51	18.56
		25	13	19.80	18.63	19.28	18.86
		25	25	19.80	18.98	18.88	19.23
		50	0	19.80	18.64	19.23	18.94
	16QAM	1	0	19.80	17.99	19.74	18.59
		1	25	19.80	19.07	19.61	19.34
		1	49	19.80	19.42	18.21	19.78
		25	0	18.70	16.95	18.37	17.33
		25	13	18.70	17.40	18.10	17.65
		25	25	18.70	17.71	17.65	18.03
		50	0	18.70	17.39	18.06	17.69

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20025CH	20175CH	20325CH
15MHz	QPSK	1	0	21.30	19.37	20.80	19.41
		1	38	21.30	20.52	20.44	20.01
		1	74	21.30	20.81	19.31	20.62
		36	0	19.80	18.51	19.70	18.53
		36	18	19.80	19.19	19.26	18.69
		36	39	19.80	19.53	18.54	19.10
		75	0	19.80	19.10	19.18	18.81
	16QAM	1	0	19.80	18.06	19.73	18.43
		1	38	19.80	19.59	19.68	19.00
		1	74	19.80	19.78	18.15	19.70
		36	0	18.70	17.27	18.57	17.26
		36	18	18.70	17.90	18.13	17.48
		36	39	18.70	18.33	17.34	17.84
		75	0	18.70	17.84	18.01	17.49
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20050CH	20175CH	20300CH
20MHz	QPSK	1	0	21.30	19.43	20.81	19.77
		1	50	21.30	20.93	20.76	20.18
		1	99	21.30	21.02	19.67	20.89
		50	0	19.80	18.80	19.64	18.25
		50	25	19.80	19.38	19.29	18.58
		50	50	19.80	19.73	18.51	18.86
		100	0	19.80	19.32	19.14	18.54
	16QAM	1	0	19.80	18.19	19.79	18.57
		1	50	19.80	19.71	19.72	18.89
		1	99	19.80	19.78	18.55	19.69
		50	0	18.70	17.49	18.50	16.99
		50	25	18.70	18.14	18.09	17.28
		50	50	18.70	18.56	17.29	17.56
		100	0	18.70	18.10	17.89	17.29

Table 58: Conducted power measurement results of LTE Band IV(Second Antenna)

After Wi-Fi station function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19957CH	20175CH	20393CH
1.4MHz	QPSK	1	0	16.50	14.51	14.57	14.67
		1	3	16.50	14.52	14.56	14.67
		1	5	16.50	14.53	14.55	14.57
		3	0	16.50	14.52	14.58	14.69
		3	2	16.50	14.51	14.56	14.68
		3	3	16.50	14.55	14.51	14.68
		6	0	15.30	13.42	13.48	13.65
	16QAM	1	0	15.30	13.66	13.64	13.86
		1	3	15.30	13.56	13.69	13.86
		1	5	15.30	13.46	13.59	13.72
		3	0	15.30	13.42	13.43	13.67
		3	2	15.30	13.48	13.41	13.67
		3	3	15.30	13.45	13.41	13.65
		6	0	14.20	12.38	12.42	12.62
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19965CH	20175CH	20385CH
3MHz	QPSK	1	0	16.50	14.52	14.55	14.52
		1	7	16.50	14.59	14.57	14.80
		1	14	16.50	14.52	14.54	14.55
		8	0	15.30	13.42	13.52	13.65
		8	4	15.30	13.50	13.47	13.66
		8	7	15.30	13.41	13.37	13.62
		15	0	15.30	13.40	13.45	13.61
	16QAM	1	0	15.30	13.39	13.52	13.61
		1	7	15.30	13.65	13.61	13.90
		1	14	15.30	13.52	13.35	13.55
		8	0	14.20	12.38	12.43	12.53
		8	4	14.20	12.45	12.28	12.54
		8	7	14.20	12.40	12.23	12.48
		15	0	14.20	12.32	12.22	12.46

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19975CH	20175CH	20375CH
5MHz	QPSK	1	0	16.50	14.55	14.53	14.54
		1	13	16.50	14.68	14.57	14.79
		1	24	16.50	14.52	14.51	14.56
		12	0	15.30	13.43	13.44	13.70
		12	6	15.30	13.60	13.51	13.80
		12	13	15.30	13.45	13.37	13.55
		25	0	15.30	13.47	13.44	13.41
	16QAM	1	0	15.30	13.39	13.40	13.65
		1	13	15.30	13.82	13.61	13.83
		1	24	15.30	13.44	13.34	13.37
		12	0	14.20	12.37	12.29	12.58
		12	6	14.20	12.51	12.32	12.63
		12	13	14.20	12.36	12.23	12.43
		25	0	14.20	12.43	12.23	12.24
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20000CH	20175CH	20350CH
10MHz	QPSK	1	0	16.50	14.53	14.52	14.55
		1	25	16.50	14.78	14.62	14.79
		1	49	16.50	14.54	14.57	14.58
		25	0	15.30	13.48	13.56	13.60
		25	13	15.30	13.84	13.52	13.78
		25	25	15.30	13.87	13.33	13.51
		50	0	15.30	13.78	13.44	13.44
	16QAM	1	0	15.30	13.32	13.43	13.61
		1	25	15.30	13.81	13.63	13.98
		1	49	15.30	13.43	13.32	13.54
		25	0	14.20	12.33	12.40	12.39
		25	13	14.20	12.67	12.30	12.63
		25	25	14.20	12.59	12.27	12.35
		50	0	14.20	12.56	12.22	12.24

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20025CH	20175CH	20325CH
15MHz	QPSK	1	0	16.50	14.54	14.56	14.53
		1	38	16.50	14.83	14.53	14.76
		1	74	16.50	14.59	14.51	14.55
		36	0	15.30	13.66	13.50	13.59
		36	18	15.30	13.74	13.65	13.72
		36	39	15.30	13.56	13.37	13.57
		75	0	15.30	13.64	13.45	13.67
	16QAM	1	0	15.30	13.37	13.61	13.50
		1	38	15.30	13.99	13.66	14.02
		1	74	15.30	13.61	13.39	13.66
		36	0	14.20	12.59	12.43	12.57
		36	18	14.20	12.66	12.53	12.69
		36	39	14.20	12.47	12.28	12.53
		75	0	14.20	12.50	12.25	12.55
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20050CH	20175CH	20300CH
20MHz	QPSK	1	0	16.50	14.52	14.54	14.51
		1	50	16.50	14.89	14.55	14.67
		1	99	16.50	14.57	14.53	14.54
		50	0	15.30	13.48	13.62	13.57
		50	25	15.30	13.74	13.49	13.65
		50	50	15.30	13.62	13.32	13.65
		100	0	15.30	13.64	13.57	13.55
	16QAM	1	0	15.30	13.51	13.82	13.50
		1	50	15.30	14.25	13.80	14.02
		1	99	15.30	13.50	13.59	13.79
		50	0	14.20	12.40	12.45	12.49
		50	25	14.20	12.64	12.27	12.57
		50	50	14.20	12.49	12.28	12.55
		100	0	14.20	12.48	12.40	12.40

Table 59: Conducted power measurement results of LTE Band IV(Second Antenna)

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19957CH	20175CH	20393CH
1.4MHz	QPSK	1	0	16.50	14.51	14.57	14.67
		1	3	16.50	14.52	14.56	14.67
		1	5	16.50	14.53	14.55	14.57
		3	0	16.50	14.52	14.58	14.69
		3	2	16.50	14.51	14.56	14.68
		3	3	16.50	14.55	14.51	14.68
		6	0	15.30	13.42	13.48	13.65
	16QAM	1	0	15.30	13.66	13.64	13.86
		1	3	15.30	13.56	13.69	13.86
		1	5	15.30	13.46	13.59	13.72
		3	0	15.30	13.42	13.43	13.67
		3	2	15.30	13.48	13.41	13.67
		3	3	15.30	13.45	13.41	13.65
		6	0	14.20	12.38	12.42	12.62
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19965CH	20175CH	20385CH
3MHz	QPSK	1	0	16.50	14.52	14.55	14.52
		1	7	16.50	14.59	14.57	14.80
		1	14	16.50	14.52	14.54	14.55
		8	0	15.30	13.42	13.52	13.65
		8	4	15.30	13.50	13.47	13.66
		8	7	15.30	13.41	13.37	13.62
		15	0	15.30	13.40	13.45	13.61
	16QAM	1	0	15.30	13.39	13.52	13.61
		1	7	15.30	13.65	13.61	13.90
		1	14	15.30	13.52	13.35	13.55
		8	0	14.20	12.38	12.43	12.53
		8	4	14.20	12.45	12.28	12.54
		8	7	14.20	12.40	12.23	12.48
		15	0	14.20	12.32	12.22	12.46

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19975CH	20175CH	20375CH
5MHz	QPSK	1	0	16.50	14.55	14.53	14.54
		1	13	16.50	14.68	14.57	14.79
		1	24	16.50	14.52	14.51	14.56
		12	0	15.30	13.43	13.44	13.70
		12	6	15.30	13.60	13.51	13.80
		12	13	15.30	13.45	13.37	13.55
		25	0	15.30	13.47	13.44	13.41
	16QAM	1	0	15.30	13.39	13.40	13.65
		1	13	15.30	13.82	13.61	13.83
		1	24	15.30	13.44	13.34	13.37
		12	0	14.20	12.37	12.29	12.58
		12	6	14.20	12.51	12.32	12.63
		12	13	14.20	12.36	12.23	12.43
		25	0	14.20	12.43	12.23	12.24
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20000CH	20175CH	20350CH
10MHz	QPSK	1	0	16.50	14.53	14.52	14.55
		1	25	16.50	14.78	14.62	14.79
		1	49	16.50	14.54	14.57	14.58
		25	0	15.30	13.48	13.56	13.60
		25	13	15.30	13.84	13.52	13.78
		25	25	15.30	13.87	13.33	13.51
		50	0	15.30	13.78	13.44	13.44
	16QAM	1	0	15.30	13.32	13.43	13.61
		1	25	15.30	13.81	13.63	13.98
		1	49	15.30	13.43	13.32	13.54
		25	0	14.20	12.33	12.40	12.39
		25	13	14.20	12.67	12.30	12.63
		25	25	14.20	12.59	12.27	12.35
		50	0	14.20	12.56	12.22	12.24

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20025CH	20175CH	20325CH
15MHz	QPSK	1	0	16.50	14.54	14.56	14.53
		1	38	16.50	14.83	14.53	14.76
		1	74	16.50	14.59	14.51	14.55
		36	0	15.30	13.66	13.50	13.59
		36	18	15.30	13.74	13.65	13.72
		36	39	15.30	13.56	13.37	13.57
		75	0	15.30	13.64	13.45	13.67
	16QAM	1	0	15.30	13.37	13.61	13.50
		1	38	15.30	13.99	13.66	14.02
		1	74	15.30	13.61	13.39	13.66
		36	0	14.20	12.59	12.43	12.57
		36	18	14.20	12.66	12.53	12.69
		36	39	14.20	12.47	12.28	12.53
		75	0	14.20	12.50	12.25	12.55
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20050CH	20175CH	20300CH
20MHz	QPSK	1	0	16.50	14.52	14.54	14.51
		1	50	16.50	14.89	14.55	14.67
		1	99	16.50	14.57	14.53	14.54
		50	0	15.30	13.48	13.62	13.57
		50	25	15.30	13.74	13.49	13.65
		50	50	15.30	13.62	13.32	13.65
		100	0	15.30	13.64	13.57	13.55
	16QAM	1	0	15.30	13.51	13.82	13.50
		1	50	15.30	14.25	13.80	14.02
		1	99	15.30	13.50	13.59	13.79
		50	0	14.20	12.40	12.45	12.49
		50	25	14.20	12.64	12.27	12.57
		50	50	14.20	12.49	12.28	12.55
		100	0	14.20	12.48	12.40	12.40

Table 60: Conducted power measurement results of LTE Band IV(Second Antenna)

After Wi-Fi Hotspot function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19957CH	20175CH	20393CH
1.4MHz	QPSK	1	0	21.50	19.59	20.90	21.26
		1	3	21.50	19.72	20.80	21.43
		1	5	21.50	19.65	20.61	21.32
		3	0	21.50	19.65	20.81	21.26
		3	2	21.50	19.71	20.76	21.36
		3	3	21.50	19.68	20.70	21.34
		6	0	20.40	18.47	19.81	20.18
	16QAM	1	0	20.40	18.66	19.94	20.17
		1	3	20.40	18.69	19.86	20.30
		1	5	20.40	18.71	19.78	20.28
		3	0	20.40	18.47	19.91	20.15
		3	2	20.40	18.41	19.79	20.22
		3	3	20.40	18.48	19.80	20.17
		6	0	19.10	17.20	18.63	19.09
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19965CH	20175CH	20385CH
3MHz	QPSK	1	0	21.50	19.51	20.98	20.82
		1	7	21.50	19.94	20.84	21.27
		1	14	21.50	19.79	20.35	21.18
		8	0	20.40	18.50	19.92	19.89
		8	4	20.40	18.63	19.83	20.02
		8	7	20.40	18.63	19.68	20.07
		15	0	20.40	18.55	19.80	20.02
	16QAM	1	0	20.40	18.63	20.14	19.54
		1	7	20.40	19.04	19.87	19.99
		1	14	20.40	18.60	19.36	19.91
		8	0	19.10	17.27	18.75	18.52
		8	4	19.10	17.45	18.70	18.67
		8	7	19.10	17.46	18.54	18.75
		15	0	19.10	17.29	18.56	18.66

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19975CH	20175CH	20375CH
5MHz	QPSK	1	0	21.50	19.52	21.00	20.53
		1	13	21.50	20.13	20.81	21.14
		1	24	21.50	19.99	20.07	21.08
		12	0	20.40	18.58	20.08	19.66
		12	6	20.40	18.81	19.89	19.84
		12	13	20.40	18.83	19.49	19.92
		25	0	20.40	18.67	19.74	19.89
	16QAM	1	0	20.40	18.43	20.22	19.61
		1	13	20.40	19.07	20.06	20.20
		1	24	20.40	18.92	19.09	20.26
		12	0	19.10	17.39	18.95	18.50
		12	6	19.10	17.64	18.72	18.71
		12	13	19.10	17.68	18.30	18.76
		25	0	19.10	17.48	18.59	18.77
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20000CH	20175CH	20350CH
10MHz	QPSK	1	0	21.50	19.54	21.07	19.82
		1	25	21.50	20.54	20.88	20.57
		1	49	21.50	20.71	19.62	20.92
		25	0	20.40	18.72	20.09	18.97
		25	13	20.40	19.15	19.85	19.28
		25	25	20.40	19.48	19.43	19.61
		50	0	20.40	19.15	19.81	19.32
	16QAM	1	0	20.40	18.53	20.39	18.90
		1	25	20.40	19.62	20.20	19.67
		1	49	20.40	19.85	18.79	20.01
		25	0	19.10	17.50	18.84	17.65
		25	13	19.10	17.94	18.62	17.97
		25	25	19.10	18.26	18.22	18.37
		50	0	19.10	17.90	18.57	18.06

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20025CH	20175CH	20325CH
15MHz	QPSK	1	0	21.50	19.56	21.16	19.88
		1	38	21.50	20.99	20.83	20.49
		1	74	21.50	21.13	19.51	21.04
		36	0	20.40	19.05	20.20	19.01
		36	18	20.40	19.68	19.79	19.22
		36	39	20.40	19.98	19.03	19.58
		75	0	20.40	19.58	19.72	19.28
	16QAM	1	0	20.40	18.53	20.39	19.04
		1	38	20.40	20.05	20.15	19.62
		1	74	20.40	20.35	18.55	20.23
		36	0	19.10	17.87	19.05	17.82
		36	18	19.10	18.51	18.61	18.02
		36	39	19.10	18.87	17.85	18.39
		75	0	19.10	18.39	18.52	18.05
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20050CH	20175CH	20300CH
20MHz	QPSK	1	0	21.50	19.93	21.27	20.26
		1	50	21.50	21.36	21.22	20.70
		1	99	21.50	21.35	20.17	21.33
		50	0	20.40	19.30	20.19	18.75
		50	25	20.40	19.85	19.83	19.07
		50	50	20.40	20.23	19.02	19.36
		100	0	20.40	19.80	19.66	19.07
	16QAM	1	0	20.40	18.80	20.35	19.12
		1	50	20.40	20.36	20.30	19.49
		1	99	20.40	20.38	19.05	20.21
		50	0	19.10	18.07	18.98	17.54
		50	25	19.10	18.67	18.67	17.83
		50	50	19.10	19.07	17.83	18.12
		100	0	19.10	18.66	18.52	17.82

Table 61: Conducted power measurement results of LTE Band IV(Second Antenna)

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19957CH	20175CH	20393CH
1.4MHz	QPSK	1	0	16.50	14.51	14.57	14.67
		1	3	16.50	14.52	14.56	14.67
		1	5	16.50	14.53	14.55	14.57
		3	0	16.50	14.52	14.58	14.69
		3	2	16.50	14.51	14.56	14.68
		3	3	16.50	14.55	14.51	14.68
		6	0	15.30	13.42	13.48	13.65
	16QAM	1	0	15.30	13.66	13.64	13.86
		1	3	15.30	13.56	13.69	13.86
		1	5	15.30	13.46	13.59	13.72
		3	0	15.30	13.42	13.43	13.67
		3	2	15.30	13.48	13.41	13.67
		3	3	15.30	13.45	13.41	13.65
		6	0	14.20	12.38	12.42	12.62
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19965CH	20175CH	20385CH
3MHz	QPSK	1	0	16.50	14.52	14.55	14.52
		1	7	16.50	14.59	14.57	14.80
		1	14	16.50	14.52	14.54	14.55
		8	0	15.30	13.42	13.52	13.65
		8	4	15.30	13.50	13.47	13.66
		8	7	15.30	13.41	13.37	13.62
		15	0	15.30	13.40	13.45	13.61
	16QAM	1	0	15.30	13.39	13.52	13.61
		1	7	15.30	13.65	13.61	13.90
		1	14	15.30	13.52	13.35	13.55
		8	0	14.20	12.38	12.43	12.53
		8	4	14.20	12.45	12.28	12.54
		8	7	14.20	12.40	12.23	12.48
		15	0	14.20	12.32	12.22	12.46

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19975CH	20175CH	20375CH
5MHz	QPSK	1	0	16.50	14.55	14.53	14.54
		1	13	16.50	14.68	14.57	14.79
		1	24	16.50	14.52	14.51	14.56
		12	0	15.30	13.43	13.44	13.70
		12	6	15.30	13.60	13.51	13.80
		12	13	15.30	13.45	13.37	13.55
		25	0	15.30	13.47	13.44	13.41
	16QAM	1	0	15.30	13.39	13.40	13.65
		1	13	15.30	13.82	13.61	13.83
		1	24	15.30	13.44	13.34	13.37
		12	0	14.20	12.37	12.29	12.58
		12	6	14.20	12.51	12.32	12.63
		12	13	14.20	12.36	12.23	12.43
		25	0	14.20	12.43	12.23	12.24
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20000CH	20175CH	20350CH
10MHz	QPSK	1	0	16.50	14.53	14.52	14.55
		1	25	16.50	14.78	14.62	14.79
		1	49	16.50	14.54	14.57	14.58
		25	0	15.30	13.48	13.56	13.60
		25	13	15.30	13.84	13.52	13.78
		25	25	15.30	13.87	13.33	13.51
		50	0	15.30	13.78	13.44	13.44
	16QAM	1	0	15.30	13.32	13.43	13.61
		1	25	15.30	13.81	13.63	13.98
		1	49	15.30	13.43	13.32	13.54
		25	0	14.20	12.33	12.40	12.39
		25	13	14.20	12.67	12.30	12.63
		25	25	14.20	12.59	12.27	12.35
		50	0	14.20	12.56	12.22	12.24

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20025CH	20175CH	20325CH
15MHz	QPSK	1	0	16.50	14.54	14.56	14.53
		1	38	16.50	14.83	14.53	14.76
		1	74	16.50	14.59	14.51	14.55
		36	0	15.30	13.66	13.50	13.59
		36	18	15.30	13.74	13.65	13.72
		36	39	15.30	13.56	13.37	13.57
		75	0	15.30	13.64	13.45	13.67
	16QAM	1	0	15.30	13.37	13.61	13.50
		1	38	15.30	13.99	13.66	14.02
		1	74	15.30	13.61	13.39	13.66
		36	0	14.20	12.59	12.43	12.57
		36	18	14.20	12.66	12.53	12.69
		36	39	14.20	12.47	12.28	12.53
		75	0	14.20	12.50	12.25	12.55
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20050CH	20175CH	20300CH
20MHz	QPSK	1	0	16.50	14.52	14.54	14.51
		1	50	16.50	14.89	14.55	14.67
		1	99	16.50	14.57	14.53	14.54
		50	0	15.30	13.48	13.62	13.57
		50	25	15.30	13.74	13.49	13.65
		50	50	15.30	13.62	13.32	13.65
		100	0	15.30	13.64	13.57	13.55
	16QAM	1	0	15.30	13.51	13.82	13.50
		1	50	15.30	14.25	13.80	14.02
		1	99	15.30	13.50	13.59	13.79
		50	0	14.20	12.40	12.45	12.49
		50	25	14.20	12.64	12.27	12.57
		50	50	14.20	12.49	12.28	12.55
		100	0	14.20	12.48	12.40	12.40

Table 62: Conducted power measurement results of LTE Band IV(Second Antenna)

7.1.10 Conducted power measurements of LTE Band V(Second Antenna)

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20407CH	20525CH	20643CH
1.4MHz	QPSK	1	0	24.00	23.13	22.93	22.64
		1	3	24.00	23.20	22.96	22.80
		1	5	24.00	23.09	22.86	22.82
		3	0	24.00	23.17	22.97	22.75
		3	2	24.00	23.20	22.95	22.81
		3	3	24.00	23.16	22.90	22.84
		6	0	23.00	22.19	21.95	21.97
	16QAM	1	0	23.00	22.32	22.00	21.77
		1	3	23.00	22.39	22.02	21.96
		1	5	23.00	22.45	21.88	21.95
		3	0	23.00	22.24	22.00	21.88
		3	2	23.00	22.24	21.98	21.94
		3	3	23.00	22.21	21.93	21.95
		6	0	22.00	21.25	20.93	20.83
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20415CH	20525CH	20635CH
3MHz	QPSK	1	0	24.00	23.12	22.92	22.68
		1	7	24.00	23.27	23.00	22.74
		1	14	24.00	23.03	22.73	22.72
		8	0	23.00	22.22	21.93	21.84
		8	4	23.00	22.23	21.89	21.83
		8	7	23.00	22.18	21.88	21.80
		15	0	23.00	22.17	21.86	21.86
	16QAM	1	0	23.00	22.29	22.05	21.89
		1	7	23.00	22.41	22.12	21.98
		1	14	23.00	22.25	21.93	21.97
		8	0	22.00	21.29	21.05	20.83
		8	4	22.00	21.29	20.99	20.85
		8	7	22.00	21.25	20.99	20.81
		15	0	22.00	21.24	20.95	20.85

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20425CH	20525CH	20625CH
5MHz	QPSK	1	0	24.00	23.11	22.80	23.09
		1	13	24.00	23.27	22.95	22.77
		1	24	24.00	22.93	22.77	22.64
		12	0	23.00	22.23	21.98	22.01
		12	6	23.00	22.27	21.95	22.02
		12	13	23.00	22.12	21.86	21.79
		25	0	23.00	22.13	21.93	21.95
	16QAM	1	0	23.00	22.17	21.99	22.26
		1	13	23.00	22.45	22.08	22.09
		1	24	23.00	22.07	21.92	21.96
		12	0	22.00	21.40	21.07	21.10
		12	6	22.00	21.43	21.03	21.00
		12	13	22.00	21.30	20.92	20.79
		25	0	22.00	21.20	20.99	20.87
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20450CH	20525CH	20600CH
10MHz	QPSK	1	0	24.00	23.05	22.76	22.96
		1	25	24.00	23.23	23.01	23.20
		1	49	24.00	22.74	22.85	22.53
		25	0	23.00	22.12	21.92	22.04
		25	13	23.00	22.15	21.96	22.16
		25	25	23.00	21.98	21.84	21.96
		50	0	23.00	22.06	21.95	22.09
	16QAM	1	0	23.00	22.22	22.17	22.18
		1	25	23.00	22.42	22.31	22.35
		1	49	23.00	21.97	22.17	21.78
		25	0	22.00	21.21	20.98	21.05
		25	13	22.00	21.23	21.01	21.15
		25	25	22.00	21.07	20.93	20.89
		50	0	22.00	21.16	21.07	21.06

Table 63: Conducted power measurement results of LTE Band V(Second Antenna)

After Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20407CH	20525CH	20643CH
1.4MHz	QPSK	1	0	21.50	20.78	20.59	20.32
		1	3	21.50	20.86	20.59	20.40
		1	5	21.50	20.74	20.47	20.43
		3	0	21.50	20.81	20.61	20.41
		3	2	21.50	20.84	20.58	20.40
		3	3	21.50	20.80	20.53	20.43
		6	0	20.50	19.79	19.54	19.50
	16QAM	1	0	20.50	19.94	19.82	19.70
		1	3	20.50	20.02	19.72	19.79
		1	5	20.50	19.83	19.57	19.82
		3	0	20.50	19.92	19.61	19.44
		3	2	20.50	19.94	19.56	19.63
		3	3	20.50	19.79	19.54	19.43
		6	0	19.50	18.85	18.62	18.53
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20415CH	20525CH	20635CH
3MHz	QPSK	1	0	21.50	20.71	20.57	20.32
		1	7	21.50	20.88	20.66	20.46
		1	14	21.50	20.58	20.46	20.41
		8	0	20.50	19.79	19.58	19.52
		8	4	20.50	19.82	19.53	19.46
		8	7	20.50	19.75	19.51	19.45
		15	0	20.50	19.76	19.51	19.49
	16QAM	1	0	20.50	19.66	19.40	19.56
		1	7	20.50	19.92	19.51	19.67
		1	14	20.50	19.60	19.64	19.55
		8	0	19.50	18.86	18.67	18.51
		8	4	19.50	18.90	18.55	18.50
		8	7	19.50	18.82	18.52	18.44
		15	0	19.50	18.77	18.54	18.48

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20425CH	20525CH	20625CH
5MHz	QPSK	1	0	21.50	20.72	20.54	20.67
		1	13	21.50	20.94	20.67	20.45
		1	24	21.50	20.57	20.43	20.23
		12	0	20.50	19.81	19.63	19.70
		12	6	20.50	19.87	19.60	19.66
		12	13	20.50	19.71	19.48	19.40
		25	0	20.50	19.73	19.57	19.56
	16QAM	1	0	20.50	19.84	19.47	19.83
		1	13	20.50	20.11	19.60	19.80
		1	24	20.50	19.70	19.34	19.50
		12	0	19.50	18.80	18.70	18.71
		12	6	19.50	18.87	18.67	18.63
		12	13	19.50	18.71	18.53	18.41
		25	0	19.50	18.71	18.60	18.53
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20450CH	20525CH	20600CH
10MHz	QPSK	1	0	21.50	20.54	20.41	20.46
		1	25	21.50	20.79	20.65	20.82
		1	49	21.50	20.27	20.43	20.07
		25	0	20.50	19.68	19.53	19.60
		25	13	20.50	19.74	19.58	19.80
		25	25	20.50	19.56	19.42	19.54
		50	0	20.50	19.62	19.54	19.67
	16QAM	1	0	20.50	19.65	19.47	19.72
		1	25	20.50	20.02	19.76	20.08
		1	49	20.50	19.44	19.53	19.41
		25	0	19.50	18.66	18.54	18.58
		25	13	19.50	18.73	18.58	18.75
		25	25	19.50	18.55	18.44	18.49
		50	0	19.50	18.62	18.54	18.62

Table 64: Conducted power measurement results of LTE Band V(Second Antenna)

After Wi-Fi on function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20407CH	20525CH	20643CH
1.4MHz	QPSK	1	0	20.50	19.71	19.54	19.46
		1	3	20.50	19.80	19.56	19.52
		1	5	20.50	19.70	19.41	19.54
		3	0	20.50	19.79	19.57	19.53
		3	2	20.50	19.83	19.56	19.51
		3	3	20.50	19.78	19.48	19.53
		6	0	19.50	18.83	18.59	18.53
	16QAM	1	0	19.50	19.13	18.76	18.67
		1	3	19.50	19.18	18.95	18.76
		1	5	19.50	19.02	18.64	18.72
		3	0	19.50	18.82	18.65	18.60
		3	2	19.50	18.85	18.64	18.59
		3	3	19.50	18.80	18.58	18.61
		6	0	18.50	18.14	17.65	17.64
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20415CH	20525CH	20635CH
3MHz	QPSK	1	0	20.50	19.62	19.53	19.46
		1	7	20.50	19.90	19.65	19.57
		1	14	20.50	19.57	19.38	19.49
		8	0	19.50	18.83	18.64	18.55
		8	4	19.50	18.87	18.60	18.54
		8	7	19.50	18.79	18.59	18.47
		15	0	19.50	18.79	18.58	18.55
	16QAM	1	0	19.50	18.83	18.75	18.49
		1	7	19.50	19.13	18.67	18.66
		1	14	19.50	18.79	18.36	18.56
		8	0	18.50	18.08	17.69	17.62
		8	4	18.50	18.11	17.65	17.58
		8	7	18.50	18.03	17.57	17.51
		15	0	18.50	18.01	17.62	17.56

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20425CH	20525CH	20625CH
5MHz	QPSK	1	0	20.50	19.69	19.55	19.75
		1	13	20.50	19.97	19.67	19.62
		1	24	20.50	19.55	19.36	19.37
		12	0	19.50	18.85	18.69	18.78
		12	6	19.50	18.93	18.66	18.69
		12	13	19.50	18.76	18.55	18.47
		25	0	19.50	18.78	18.66	18.60
	16QAM	1	0	19.50	18.90	18.71	18.84
		1	13	19.50	19.18	18.87	18.74
		1	24	19.50	18.74	18.62	18.49
		12	0	18.50	18.14	17.76	17.87
		12	6	18.50	18.21	17.73	17.79
		12	13	18.50	18.05	17.56	17.49
		25	0	18.50	17.98	17.62	17.64
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20450CH	20525CH	20600CH
10MHz	QPSK	1	0	20.50	19.51	19.38	19.44
		1	25	20.50	19.83	19.63	19.85
		1	49	20.50	19.32	19.38	19.17
		25	0	19.50	18.74	18.59	18.63
		25	13	19.50	18.81	18.66	18.82
		25	25	19.50	18.63	18.51	18.57
		50	0	19.50	18.68	18.61	18.69
	16QAM	1	0	19.50	18.70	18.66	18.68
		1	25	19.50	19.07	18.89	19.20
		1	49	19.50	18.48	18.52	18.44
		25	0	18.50	17.95	17.60	17.64
		25	13	18.50	17.97	17.65	17.88
		25	25	18.50	17.66	17.48	17.59
		50	0	18.50	17.78	17.56	17.70

Table 65: Conducted power measurement results of LTE Band V(Second Antenna)

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20407CH	20525CH	20643CH
1.4MHz	QPSK	1	0	20.50	19.71	19.54	19.46
		1	3	20.50	19.80	19.56	19.52
		1	5	20.50	19.70	19.41	19.54
		3	0	20.50	19.79	19.57	19.53
		3	2	20.50	19.83	19.56	19.51
		3	3	20.50	19.78	19.48	19.53
		6	0	19.50	18.83	18.59	18.53
	16QAM	1	0	19.50	19.13	18.76	18.67
		1	3	19.50	19.18	18.95	18.76
		1	5	19.50	19.02	18.64	18.72
		3	0	19.50	18.82	18.65	18.60
		3	2	19.50	18.85	18.64	18.59
		3	3	19.50	18.80	18.58	18.61
		6	0	18.50	18.14	17.65	17.64
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20415CH	20525CH	20635CH
3MHz	QPSK	1	0	20.50	19.62	19.53	19.46
		1	7	20.50	19.90	19.65	19.57
		1	14	20.50	19.57	19.38	19.49
		8	0	19.50	18.83	18.64	18.55
		8	4	19.50	18.87	18.60	18.54
		8	7	19.50	18.79	18.59	18.47
		15	0	19.50	18.79	18.58	18.55
	16QAM	1	0	19.50	18.83	18.75	18.49
		1	7	19.50	19.13	18.67	18.66
		1	14	19.50	18.79	18.36	18.56
		8	0	18.50	18.08	17.69	17.62
		8	4	18.50	18.11	17.65	17.58
		8	7	18.50	18.03	17.57	17.51
		15	0	18.50	18.01	17.62	17.56

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20425CH	20525CH	20625CH
5MHz	QPSK	1	0	20.50	19.69	19.55	19.75
		1	13	20.50	19.97	19.67	19.62
		1	24	20.50	19.55	19.36	19.37
		12	0	19.50	18.85	18.69	18.78
		12	6	19.50	18.93	18.66	18.69
		12	13	19.50	18.76	18.55	18.47
		25	0	19.50	18.78	18.66	18.60
	16QAM	1	0	19.50	18.90	18.71	18.84
		1	13	19.50	19.18	18.87	18.74
		1	24	19.50	18.74	18.62	18.49
		12	0	18.50	18.14	17.76	17.87
		12	6	18.50	18.21	17.73	17.79
		12	13	18.50	18.05	17.56	17.49
		25	0	18.50	17.98	17.62	17.64
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20450CH	20525CH	20600CH
10MHz	QPSK	1	0	20.50	19.51	19.38	19.44
		1	25	20.50	19.83	19.63	19.85
		1	49	20.50	19.32	19.38	19.17
		25	0	19.50	18.74	18.59	18.63
		25	13	19.50	18.81	18.66	18.82
		25	25	19.50	18.63	18.51	18.57
		50	0	19.50	18.68	18.61	18.69
	16QAM	1	0	19.50	18.70	18.66	18.68
		1	25	19.50	19.07	18.89	19.20
		1	49	19.50	18.48	18.52	18.44
		25	0	18.50	17.95	17.60	17.64
		25	13	18.50	17.97	17.65	17.88
		25	25	18.50	17.66	17.48	17.59
		50	0	18.50	17.78	17.56	17.70

Table 66: Conducted power measurement results of LTE Band V(Second Antenna)

After Wi-Fi Hotspot function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20407CH	20525CH	20643CH
1.4MHz	QPSK	1	0	22.00	21.53	21.32	21.07
		1	3	22.00	21.59	21.33	21.22
		1	5	22.00	21.51	21.20	21.20
		3	0	22.00	21.57	21.34	21.17
		3	2	22.00	21.59	21.32	21.20
		3	3	22.00	21.53	21.26	21.18
		6	0	21.00	20.54	20.32	20.25
	16QAM	1	0	21.00	20.67	20.50	20.33
		1	3	21.00	20.65	20.43	20.31
		1	5	21.00	20.63	20.29	20.41
		3	0	21.00	20.46	20.41	20.20
		3	2	21.00	20.54	20.25	20.12
		3	3	21.00	20.43	20.34	20.22
		6	0	20.00	19.60	19.29	19.29
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20415CH	20525CH	20635CH
3MHz	QPSK	1	0	22.00	21.41	21.35	21.12
		1	7	22.00	21.62	21.36	21.27
		1	14	22.00	21.44	21.09	21.19
		8	0	21.00	20.56	20.37	20.22
		8	4	21.00	20.58	20.33	20.19
		8	7	21.00	20.51	20.31	20.14
		15	0	21.00	20.52	20.30	20.21
	16QAM	1	0	21.00	20.64	20.28	20.14
		1	7	21.00	20.88	20.39	20.22
		1	14	21.00	20.60	20.17	20.09
		8	0	20.00	19.56	19.28	19.19
		8	4	20.00	19.58	19.24	19.17
		8	7	20.00	19.52	19.25	19.17
		15	0	20.00	19.48	19.20	19.19

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20425CH	20525CH	20625CH
5MHz	QPSK	1	0	22.00	21.46	21.27	21.32
		1	13	22.00	21.66	21.38	21.19
		1	24	22.00	21.29	21.12	21.00
		12	0	21.00	20.54	20.38	20.45
		12	6	21.00	20.60	20.35	20.35
		12	13	21.00	20.44	20.25	20.07
		25	0	21.00	20.45	20.33	20.27
	16QAM	1	0	21.00	20.71	20.49	20.75
		1	13	21.00	20.99	20.62	20.51
		1	24	21.00	20.57	20.42	20.29
		12	0	20.00	19.57	19.36	19.49
		12	6	20.00	19.63	19.33	19.41
		12	13	20.00	19.47	19.23	19.21
		25	0	20.00	19.43	19.26	19.26
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20450CH	20525CH	20600CH
10MHz	QPSK	1	0	22.00	21.34	21.19	21.13
		1	25	22.00	21.56	21.37	21.49
		1	49	22.00	21.11	21.12	20.83
		25	0	21.00	20.43	20.29	20.35
		25	13	21.00	20.48	20.34	20.51
		25	25	21.00	20.30	20.25	20.25
		50	0	21.00	20.41	20.32	20.41
	16QAM	1	0	21.00	20.43	20.33	20.57
		1	25	21.00	20.69	20.57	20.89
		1	49	21.00	20.21	20.43	20.14
		25	0	20.00	19.36	19.25	19.30
		25	13	20.00	19.39	19.30	19.49
		25	25	20.00	19.17	19.18	19.24
		50	0	20.00	19.27	19.23	19.36

Table 67: Conducted power measurement results of LTE Band V(Second Antenna)

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20407CH	20525CH	20643CH
1.4MHz	QPSK	1	0	20.50	19.71	19.54	19.46
		1	3	20.50	19.80	19.56	19.52
		1	5	20.50	19.70	19.41	19.54
		3	0	20.50	19.79	19.57	19.53
		3	2	20.50	19.83	19.56	19.51
		3	3	20.50	19.78	19.48	19.53
		6	0	19.50	18.83	18.59	18.53
	16QAM	1	0	19.50	19.13	18.76	18.67
		1	3	19.50	19.18	18.95	18.76
		1	5	19.50	19.02	18.64	18.72
		3	0	19.50	18.82	18.65	18.60
		3	2	19.50	18.85	18.64	18.59
		3	3	19.50	18.80	18.58	18.61
		6	0	18.50	18.14	17.65	17.64
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20415CH	20525CH	20635CH
3MHz	QPSK	1	0	20.50	19.62	19.53	19.46
		1	7	20.50	19.90	19.65	19.57
		1	14	20.50	19.57	19.38	19.49
		8	0	19.50	18.83	18.64	18.55
		8	4	19.50	18.87	18.60	18.54
		8	7	19.50	18.79	18.59	18.47
		15	0	19.50	18.79	18.58	18.55
	16QAM	1	0	19.50	18.83	18.75	18.49
		1	7	19.50	19.13	18.67	18.66
		1	14	19.50	18.79	18.36	18.56
		8	0	18.50	18.08	17.69	17.62
		8	4	18.50	18.11	17.65	17.58
		8	7	18.50	18.03	17.57	17.51
		15	0	18.50	18.01	17.62	17.56

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20425CH	20525CH	20625CH
5MHz	QPSK	1	0	20.50	19.69	19.55	19.75
		1	13	20.50	19.97	19.67	19.62
		1	24	20.50	19.55	19.36	19.37
		12	0	19.50	18.85	18.69	18.78
		12	6	19.50	18.93	18.66	18.69
		12	13	19.50	18.76	18.55	18.47
		25	0	19.50	18.78	18.66	18.60
	16QAM	1	0	19.50	18.90	18.71	18.84
		1	13	19.50	19.18	18.87	18.74
		1	24	19.50	18.74	18.62	18.49
		12	0	18.50	18.14	17.76	17.87
		12	6	18.50	18.21	17.73	17.79
		12	13	18.50	18.05	17.56	17.49
		25	0	18.50	17.98	17.62	17.64
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20450CH	20525CH	20600CH
10MHz	QPSK	1	0	20.50	19.51	19.38	19.44
		1	25	20.50	19.83	19.63	19.85
		1	49	20.50	19.32	19.38	19.17
		25	0	19.50	18.74	18.59	18.63
		25	13	19.50	18.81	18.66	18.82
		25	25	19.50	18.63	18.51	18.57
		50	0	19.50	18.68	18.61	18.69
	16QAM	1	0	19.50	18.70	18.66	18.68
		1	25	19.50	19.07	18.89	19.20
		1	49	19.50	18.48	18.52	18.44
		25	0	18.50	17.95	17.60	17.64
		25	13	18.50	17.97	17.65	17.88
		25	25	18.50	17.66	17.48	17.59
		50	0	18.50	17.78	17.56	17.70

Table 68: Conducted power measurement results of LTE Band V(Second Antenna)

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

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20775CH	21100CH	21425CH
5MHz	QPSK	1	0	23.50	22.42	22.76	23.08
		1	13	23.50	22.69	22.82	23.09
		1	24	23.50	22.56	22.55	22.77
		12	0	23.00	21.78	22.19	22.19
		12	6	23.00	21.88	22.18	22.16
		12	13	23.00	21.76	21.98	21.98
		25	0	23.00	21.76	22.07	22.06
	16QAM	1	0	23.00	21.53	22.13	22.25
		1	13	23.00	21.78	22.14	22.18
		1	24	23.00	21.58	21.91	21.97
		12	0	22.00	20.74	21.16	21.25
		12	6	22.00	20.83	21.17	21.24
		12	13	22.00	20.74	20.96	21.04
		25	0	22.00	20.68	20.99	21.08
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20800CH	21100CH	21400CH
10MHz	QPSK	1	0	23.50	22.45	22.84	23.05
		1	25	23.50	22.92	22.98	23.08
		1	49	23.50	22.79	22.87	22.84
		25	0	23.00	21.78	22.10	22.25
		25	13	23.00	21.88	22.08	22.20
		25	25	23.00	21.86	22.02	22.07
		50	0	23.00	21.83	22.02	22.15
	16QAM	1	0	23.00	21.87	22.16	22.37
		1	25	23.00	22.20	22.32	22.37
		1	49	23.00	22.08	22.14	22.09
		25	0	22.00	20.71	21.07	21.18
		25	13	22.00	20.84	21.06	21.14
		25	25	22.00	20.83	20.99	21.01
		50	0	22.00	20.78	20.98	21.09

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20825CH	21100CH	21375CH
15MHz	QPSK	1	0	23.50	22.37	22.60	23.03
		1	38	23.50	23.01	22.88	23.03
		1	74	23.50	22.71	22.74	22.69
		36	0	23.00	21.78	22.00	22.23
		36	18	23.00	21.95	22.05	22.27
		36	39	23.00	21.90	22.00	22.06
		75	0	23.00	21.85	21.99	22.16
	16QAM	1	0	23.00	21.55	21.94	22.24
		1	38	23.00	22.11	22.21	22.40
		1	74	23.00	21.83	21.98	21.90
		36	0	22.00	20.70	20.96	21.13
		36	18	22.00	20.92	21.02	21.19
		36	39	22.00	20.87	20.96	20.98
		75	0	22.00	20.77	20.95	21.04
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20850CH	21100CH	21350CH
20MHz	QPSK	1	0	23.50	22.62	22.94	23.23
		1	50	23.50	23.08	23.03	23.28
		1	99	23.50	22.94	23.15	22.78
		50	0	23.00	21.91	22.10	22.26
		50	25	23.00	22.03	22.09	22.24
		50	50	23.00	22.05	22.03	22.06
		100	0	23.00	21.97	22.10	22.20
	16QAM	1	0	23.00	21.91	22.26	22.57
		1	50	23.00	22.55	22.37	22.56
		1	99	23.00	22.30	22.49	22.13
		50	0	22.00	20.90	21.05	21.27
		50	25	22.00	21.00	21.06	21.22
		50	50	22.00	21.02	20.98	21.05
		100	0	22.00	20.96	21.03	21.20

Table 69: Conducted power measurement results of LTE Band VII(Second Antenna)

After Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20775CH	21100CH	21425CH
5MHz	QPSK	1	0	18.50	16.95	17.25	16.93
		1	13	18.50	17.33	17.41	17.33
		1	24	18.50	16.91	16.90	16.95
		12	0	17.50	16.11	16.39	16.23
		12	6	17.50	16.23	16.42	16.31
		12	13	17.50	16.04	16.11	16.16
		25	0	17.50	16.09	16.21	16.18
	16QAM	1	0	17.50	15.95	16.26	16.11
		1	13	17.50	16.38	16.45	16.45
		1	24	17.50	16.01	15.96	16.10
		12	0	16.50	15.08	15.33	15.18
		12	6	16.50	15.21	15.38	15.25
		12	13	16.50	15.04	15.07	15.10
		25	0	16.50	15.04	15.17	15.08
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20800CH	21100CH	21400CH
10MHz	QPSK	1	0	18.50	16.82	17.09	16.66
		1	25	18.50	17.25	17.45	17.05
		1	49	18.50	16.77	17.03	16.98
		25	0	17.50	16.14	16.31	15.97
		25	13	17.50	16.20	16.31	16.08
		25	25	17.50	16.06	16.18	16.11
		50	0	17.50	16.11	16.17	16.00
	16QAM	1	0	17.50	15.98	16.17	15.94
		1	25	17.50	16.40	16.61	16.34
		1	49	17.50	15.89	16.17	16.22
		25	0	16.50	14.97	15.21	14.88
		25	13	16.50	15.05	15.23	14.99
		25	25	16.50	14.96	15.10	15.02
		50	0	16.50	14.99	15.09	14.90

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20825CH	21100CH	21375CH
15MHz	QPSK	1	0	18.50	16.67	16.66	16.54
		1	38	18.50	17.26	17.42	16.99
		1	74	18.50	16.52	16.77	16.86
		36	0	17.50	16.04	16.16	15.83
		36	18	17.50	16.12	16.35	15.99
		36	39	17.50	15.90	16.15	15.96
		75	0	17.50	16.01	16.11	15.87
	16QAM	1	0	17.50	15.90	15.77	15.75
		1	38	17.50	16.40	16.58	16.22
		1	74	17.50	15.67	15.92	16.01
		36	0	16.50	15.04	15.09	14.73
		36	18	16.50	15.14	15.28	14.90
		36	39	16.50	14.84	15.08	14.86
		75	0	16.50	14.91	15.03	14.77
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20850CH	21100CH	21350CH
20MHz	QPSK	1	0	18.50	16.92	16.94	16.85
		1	50	18.50	17.16	17.45	16.88
		1	99	18.50	16.59	17.10	17.08
		50	0	17.50	16.19	16.14	15.97
		50	25	17.50	16.10	16.27	15.95
		50	50	17.50	15.86	16.11	15.96
		100	0	17.50	16.04	16.15	15.95
	16QAM	1	0	17.50	16.20	16.16	16.28
		1	50	17.50	16.48	16.71	16.34
		1	99	17.50	15.91	16.33	16.46
		50	0	16.50	15.09	15.04	14.88
		50	25	16.50	15.04	15.16	14.85
		50	50	16.50	14.78	15.00	14.85
		100	0	16.50	14.94	15.04	14.85

Table 70: Conducted power measurement results of LTE Band VII(Second Antenna)

After Wi-Fi station function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20775CH	21100CH	21425CH
5MHz	QPSK	1	0	15.50	14.25	14.71	14.47
		1	13	15.50	14.58	14.82	14.86
		1	24	15.50	14.27	14.40	14.48
		12	0	15.00	13.52	13.89	13.73
		12	6	15.00	13.63	13.91	13.83
		12	13	15.00	13.41	13.63	13.68
		25	0	15.00	13.51	13.72	13.69
	16QAM	1	0	15.00	13.40	13.88	13.49
		1	13	15.00	13.78	13.98	13.95
		1	24	15.00	13.48	13.56	13.60
		12	0	14.00	12.47	12.78	12.56
		12	6	14.00	12.60	12.81	12.62
		12	13	14.00	12.44	12.54	12.49
		25	0	14.00	12.41	12.59	12.48
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20800CH	21100CH	21400CH
10MHz	QPSK	1	0	15.50	14.25	14.50	14.20
		1	25	15.50	14.64	14.77	14.62
		1	49	15.50	14.29	14.43	14.47
		25	0	15.00	13.60	13.79	13.37
		25	13	15.00	13.61	13.80	13.45
		25	25	15.00	13.49	13.68	13.61
		50	0	15.00	13.59	13.68	13.39
	16QAM	1	0	15.00	13.45	13.69	13.35
		1	25	15.00	13.82	13.97	13.59
		1	49	15.00	13.45	13.63	13.68
		25	0	14.00	12.44	12.66	12.30
		25	13	14.00	12.52	12.67	12.40
		25	25	14.00	12.40	12.55	12.42
		50	0	14.00	12.46	12.54	12.33

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20825CH	21100CH	21375CH
15MHz	QPSK	1	0	15.50	14.09	14.21	14.01
		1	38	15.50	14.61	14.81	14.52
		1	74	15.50	14.02	14.26	14.24
		36	0	15.00	13.59	13.65	13.24
		36	18	15.00	13.61	13.82	13.36
		36	39	15.00	13.36	13.66	13.34
		75	0	15.00	13.51	13.62	13.26
	16QAM	1	0	15.00	13.26	13.45	13.21
		1	38	15.00	13.80	14.12	13.84
		1	74	15.00	13.09	13.65	13.59
		36	0	14.00	12.47	12.53	12.22
		36	18	14.00	12.56	12.71	12.35
		36	39	14.00	12.31	12.54	12.33
		75	0	14.00	12.37	12.48	12.24
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20850CH	21100CH	21350CH
20MHz	QPSK	1	0	15.50	14.35	14.40	14.30
		1	50	15.50	14.53	14.79	14.44
		1	99	15.50	14.10	14.47	14.50
		50	0	15.00	13.67	13.85	13.40
		50	25	15.00	13.54	13.96	13.33
		50	50	15.00	13.31	13.83	13.34
		100	0	15.00	13.53	13.66	13.36
	16QAM	1	0	15.00	13.68	13.71	13.83
		1	50	15.00	13.81	14.16	13.93
		1	99	15.00	13.37	13.87	13.95
		50	0	14.00	12.53	12.55	12.38
		50	25	14.00	12.47	12.67	12.31
		50	50	14.00	12.24	12.54	12.32
		100	0	14.00	12.37	12.49	12.34

Table 71: Conducted power measurement results of LTE Band VII(Second Antenna)

After Wi-Fi on function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20775CH	21100CH	21425CH
5MHz	QPSK	1	0	15.50	14.25	14.71	14.47
		1	13	15.50	14.58	14.82	14.86
		1	24	15.50	14.27	14.40	14.48
		12	0	15.00	13.52	13.89	13.73
		12	6	15.00	13.63	13.91	13.83
		12	13	15.00	13.41	13.63	13.68
		25	0	15.00	13.51	13.72	13.69
	16QAM	1	0	15.00	13.40	13.88	13.49
		1	13	15.00	13.78	13.98	13.95
		1	24	15.00	13.48	13.56	13.60
		12	0	14.00	12.47	12.78	12.56
		12	6	14.00	12.60	12.81	12.62
		12	13	14.00	12.44	12.54	12.49
		25	0	14.00	12.41	12.59	12.48
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20800CH	21100CH	21400CH
10MHz	QPSK	1	0	15.50	14.25	14.50	14.20
		1	25	15.50	14.64	14.77	14.62
		1	49	15.50	14.29	14.43	14.47
		25	0	15.00	13.60	13.79	13.37
		25	13	15.00	13.61	13.80	13.45
		25	25	15.00	13.49	13.68	13.61
		50	0	15.00	13.59	13.68	13.39
	16QAM	1	0	15.00	13.45	13.69	13.35
		1	25	15.00	13.82	13.97	13.59
		1	49	15.00	13.45	13.63	13.68
		25	0	14.00	12.44	12.66	12.30
		25	13	14.00	12.52	12.67	12.40
		25	25	14.00	12.40	12.55	12.42
		50	0	14.00	12.46	12.54	12.33

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20825CH	21100CH	21375CH
15MHz	QPSK	1	0	15.50	14.09	14.21	14.01
		1	38	15.50	14.61	14.81	14.52
		1	74	15.50	14.02	14.26	14.24
		36	0	15.00	13.59	13.65	13.24
		36	18	15.00	13.61	13.82	13.36
		36	39	15.00	13.36	13.66	13.34
		75	0	15.00	13.51	13.62	13.26
	16QAM	1	0	15.00	13.26	13.45	13.21
		1	38	15.00	13.80	14.12	13.84
		1	74	15.00	13.09	13.65	13.59
		36	0	14.00	12.47	12.53	12.22
		36	18	14.00	12.56	12.71	12.35
		36	39	14.00	12.31	12.54	12.33
		75	0	14.00	12.37	12.48	12.24
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20850CH	21100CH	21350CH
20MHz	QPSK	1	0	15.50	14.35	14.40	14.30
		1	50	15.50	14.53	14.79	14.44
		1	99	15.50	14.10	14.47	14.50
		50	0	15.00	13.67	13.85	13.40
		50	25	15.00	13.54	13.96	13.33
		50	50	15.00	13.31	13.83	13.34
		100	0	15.00	13.53	13.66	13.36
	16QAM	1	0	15.00	13.68	13.71	13.83
		1	50	15.00	13.81	14.16	13.93
		1	99	15.00	13.37	13.87	13.95
		50	0	14.00	12.53	12.55	12.38
		50	25	14.00	12.47	12.67	12.31
		50	50	14.00	12.24	12.54	12.32
		100	0	14.00	12.37	12.49	12.34

Table 72: Conducted power measurement results of LTE Band VII(Second Antenna)

After Wi-Fi Hotspot function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20775CH	21100CH	21425CH
5MHz	QPSK	1	0	19.00	18.16	18.52	18.26
		1	13	19.00	18.52	18.63	18.55
		1	24	19.00	18.09	18.14	18.20
		12	0	18.00	17.45	17.68	17.48
		12	6	18.00	17.56	17.71	17.55
		12	13	18.00	17.30	17.35	17.40
		25	0	18.00	17.42	17.45	17.42
	16QAM	1	0	18.00	17.31	17.82	17.25
		1	13	18.00	17.70	17.95	17.59
		1	24	18.00	17.25	17.47	17.20
		12	0	17.00	16.33	16.67	16.48
		12	6	17.00	16.43	16.71	16.56
		12	13	17.00	16.25	16.34	16.41
		25	0	17.00	16.24	16.40	16.39
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20800CH	21100CH	21400CH
10MHz	QPSK	1	0	19.00	18.12	18.28	18.03
		1	25	19.00	18.43	18.59	18.35
		1	49	19.00	17.99	18.22	18.25
		25	0	18.00	17.39	17.59	17.24
		25	13	18.00	17.43	17.53	17.34
		25	25	18.00	17.31	17.46	17.37
		50	0	18.00	17.37	17.40	17.27
	16QAM	1	0	18.00	17.45	17.60	17.31
		1	25	18.00	17.83	17.93	17.63
		1	49	18.00	17.35	17.55	17.48
		25	0	17.00	16.27	16.52	16.21
		25	13	17.00	16.32	16.46	16.30
		25	25	17.00	16.20	16.41	16.33
		50	0	17.00	16.25	16.34	16.20

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20825CH	21100CH	21375CH
15MHz	QPSK	1	0	19.00	17.98	17.91	17.94
		1	38	19.00	18.45	18.65	18.30
		1	74	19.00	17.73	18.07	18.12
		36	0	18.00	17.35	17.50	17.11
		36	18	18.00	17.44	17.67	17.24
		36	39	18.00	17.19	17.48	17.20
		75	0	18.00	17.28	17.45	17.13
	16QAM	1	0	18.00	17.20	17.24	17.12
		1	38	18.00	17.80	17.93	17.53
		1	74	18.00	17.04	17.35	17.32
		36	0	17.00	16.30	16.41	16.12
		36	18	17.00	16.40	16.59	16.25
		36	39	17.00	16.15	16.40	16.21
		75	0	17.00	16.20	16.34	16.11
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20850CH	21100CH	21350CH
20MHz	QPSK	1	0	19.00	18.21	18.20	18.23
		1	50	19.00	18.46	18.63	18.18
		1	99	19.00	17.97	18.31	18.32
		50	0	18.00	17.53	17.48	17.26
		50	25	18.00	17.41	17.58	17.20
		50	50	18.00	17.19	17.44	17.19
		100	0	18.00	17.40	17.48	17.21
	16QAM	1	0	18.00	17.63	17.36	17.67
		1	50	18.00	17.82	17.79	17.57
		1	99	18.00	17.34	17.46	17.69
		50	0	17.00	16.37	16.30	16.26
		50	25	17.00	16.32	16.40	16.20
		50	50	17.00	16.11	16.32	16.19
		100	0	17.00	16.25	16.35	16.17

Table 73: Conducted power measurement results of LTE Band VII(Second Antenna)

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20775CH	21100CH	21425CH
5MHz	QPSK	1	0	15.50	14.25	14.71	14.47
		1	13	15.50	14.58	14.82	14.86
		1	24	15.50	14.27	14.40	14.48
		12	0	15.00	13.52	13.89	13.73
		12	6	15.00	13.63	13.91	13.83
		12	13	15.00	13.41	13.63	13.68
		25	0	15.00	13.51	13.72	13.69
	16QAM	1	0	15.00	13.40	13.88	13.49
		1	13	15.00	13.78	13.98	13.95
		1	24	15.00	13.48	13.56	13.60
		12	0	14.00	12.47	12.78	12.56
		12	6	14.00	12.60	12.81	12.62
		12	13	14.00	12.44	12.54	12.49
		25	0	14.00	12.41	12.59	12.48
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20800CH	21100CH	21400CH
10MHz	QPSK	1	0	15.50	14.25	14.50	14.20
		1	25	15.50	14.64	14.77	14.62
		1	49	15.50	14.29	14.43	14.47
		25	0	15.00	13.60	13.79	13.37
		25	13	15.00	13.61	13.80	13.45
		25	25	15.00	13.49	13.68	13.61
		50	0	15.00	13.59	13.68	13.39
	16QAM	1	0	15.00	13.45	13.69	13.35
		1	25	15.00	13.82	13.97	13.59
		1	49	15.00	13.45	13.63	13.68
		25	0	14.00	12.44	12.66	12.30
		25	13	14.00	12.52	12.67	12.40
		25	25	14.00	12.40	12.55	12.42
		50	0	14.00	12.46	12.54	12.33

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20825CH	21100CH	21375CH
15MHz	QPSK	1	0	15.50	14.09	14.21	14.01
		1	38	15.50	14.61	14.81	14.52
		1	74	15.50	14.02	14.26	14.24
		36	0	15.00	13.59	13.65	13.24
		36	18	15.00	13.61	13.82	13.36
		36	39	15.00	13.36	13.66	13.34
		75	0	15.00	13.51	13.62	13.26
	16QAM	1	0	15.00	13.26	13.45	13.21
		1	38	15.00	13.80	14.12	13.84
		1	74	15.00	13.09	13.65	13.59
		36	0	14.00	12.47	12.53	12.22
		36	18	14.00	12.56	12.71	12.35
		36	39	14.00	12.31	12.54	12.33
		75	0	14.00	12.37	12.48	12.24
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20850CH	21100CH	21350CH
20MHz	QPSK	1	0	15.50	14.35	14.40	14.30
		1	50	15.50	14.53	14.79	14.44
		1	99	15.50	14.10	14.47	14.50
		50	0	15.00	13.67	13.85	13.40
		50	25	15.00	13.54	13.96	13.33
		50	50	15.00	13.31	13.83	13.34
		100	0	15.00	13.53	13.66	13.36
	16QAM	1	0	15.00	13.68	13.71	13.83
		1	50	15.00	13.81	14.16	13.93
		1	99	15.00	13.37	13.87	13.95
		50	0	14.00	12.53	12.55	12.38
		50	25	14.00	12.47	12.67	12.31
		50	50	14.00	12.24	12.54	12.32
		100	0	14.00	12.37	12.49	12.34

Table 74: Conducted power measurement results of LTE Band VII(Second Antenna)

7.1.12 Conducted power measurements of LTE Band XII(Second Antenna)

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23107CH	23095CH	23173CH
1.4MHz	QPSK	1	0	24.00	22.41	22.94	22.56
		1	3	24.00	22.63	22.94	22.05
		1	5	24.00	22.67	22.84	22.05
		3	0	24.00	22.45	22.85	22.01
		3	2	24.00	22.61	22.80	22.11
		3	3	24.00	22.63	22.72	22.09
		6	0	23.00	21.71	21.95	21.27
	16QAM	1	0	23.00	21.87	22.21	21.59
		1	3	23.00	22.10	22.24	21.06
		1	5	23.00	22.05	22.21	21.06
		3	0	23.00	21.76	22.12	21.16
		3	2	23.00	21.78	22.04	21.15
		3	3	23.00	21.81	21.97	21.09
		6	0	22.50	20.83	21.12	20.51
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23025CH	23095CH	23165CH
3MHz	QPSK	1	0	24.00	22.62	22.60	23.15
		1	7	24.00	22.98	22.93	22.64
		1	14	24.00	22.68	22.64	22.12
		8	0	23.00	21.99	21.94	22.06
		8	4	23.00	22.00	21.96	21.57
		8	7	23.00	21.92	21.90	21.09
		15	0	23.00	21.92	21.95	21.55
	16QAM	1	0	23.00	21.56	21.82	22.52
		1	7	23.00	22.31	22.11	21.91
		1	14	23.00	22.07	21.79	21.06
		8	0	22.50	20.88	21.23	21.16
		8	4	22.50	21.20	21.18	20.69
		8	7	22.50	20.99	21.02	20.57
		15	0	22.50	20.92	21.05	20.63

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23035CH	23095CH	23155CH
5MHz	QPSK	1	0	24.00	22.65	22.63	23.04
		1	13	24.00	23.05	23.03	23.24
		1	24	24.00	22.19	22.15	22.09
		12	0	23.00	21.98	21.97	22.30
		12	6	23.00	22.10	22.11	22.25
		12	13	23.00	21.74	21.76	21.37
		25	0	23.00	21.84	21.85	21.92
	16QAM	1	0	23.00	21.55	21.95	22.27
		1	13	23.00	22.32	22.30	22.55
		1	24	23.00	21.11	21.03	21.06
		12	0	22.50	20.90	21.18	21.41
		12	6	22.50	21.07	21.30	21.32
		12	13	22.50	21.23	20.96	20.52
		25	0	22.50	20.94	20.93	20.98
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23060CH	23095CH	23130CH
10MHz	QPSK	1	0	24.00	22.50	22.48	22.54
		1	25	24.00	23.08	23.06	23.28
		1	49	24.00	23.31	23.30	22.03
		25	0	23.00	21.82	21.81	22.01
		25	13	23.00	21.89	21.87	22.19
		25	25	23.00	21.88	21.85	21.60
		50	0	23.00	21.76	21.75	22.15
	16QAM	1	0	23.00	21.32	21.92	21.82
		1	25	23.00	22.24	22.41	22.54
		1	49	23.00	22.39	22.51	21.14
		25	0	22.50	20.78	21.01	21.15
		25	13	22.50	21.01	20.97	21.23
		25	25	22.50	20.71	20.93	20.69
		50	0	22.50	20.87	20.91	21.25

Table 75: Conducted power measurement results of LTE Band XII(Second Antenna)

After Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23107CH	23095CH	23173CH
1.4MHz	QPSK	1	0	23.00	22.57	21.98	21.70
		1	3	23.00	22.56	22.13	21.42
		1	5	23.00	22.42	22.04	21.10
		3	0	23.00	22.52	22.03	21.62
		3	2	23.00	22.50	22.08	21.41
		3	3	23.00	22.49	22.08	21.28
		6	0	22.00	21.48	21.11	20.52
	16QAM	1	0	22.00	21.60	20.96	21.01
		1	3	22.00	21.57	21.14	20.76
		1	5	22.00	21.46	21.05	20.45
		3	0	22.00	21.34	20.95	20.78
		3	2	22.00	21.31	21.18	20.58
		3	3	22.00	21.34	21.15	20.44
		6	0	21.50	21.48	21.02	20.71
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23025CH	23095CH	23165CH
3MHz	QPSK	1	0	23.00	22.44	21.75	22.08
		1	7	23.00	22.67	22.14	21.93
		1	14	23.00	22.32	22.03	21.02
		8	0	22.00	21.49	21.00	21.09
		8	4	22.00	21.52	21.12	20.86
		8	7	22.00	21.35	21.09	20.57
		15	0	22.00	21.27	21.02	20.83
	16QAM	1	0	22.00	21.44	20.63	21.06
		1	7	22.00	21.67	21.21	21.06
		1	14	22.00	21.35	21.10	20.02
		8	0	21.50	21.38	20.85	20.94
		8	4	21.50	21.41	20.91	20.72
		8	7	21.50	21.22	20.88	20.35
		15	0	21.50	21.18	20.88	20.59

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23035CH	23095CH	23155CH
5MHz	QPSK	1	0	23.00	22.42	21.58	22.21
		1	13	23.00	22.59	22.11	22.17
		1	24	23.00	21.99	22.10	21.03
		12	0	22.00	21.36	20.82	21.23
		12	6	22.00	21.46	20.98	21.14
		12	13	22.00	21.20	21.11	20.69
		25	0	22.00	21.16	20.98	20.96
	16QAM	1	0	22.00	21.59	20.67	21.38
		1	13	22.00	21.71	21.19	21.30
		1	24	22.00	21.10	21.25	20.17
		12	0	21.50	21.30	20.70	21.11
		12	6	21.50	21.37	20.86	21.02
		12	13	21.50	21.11	20.99	20.57
		25	0	21.50	21.04	20.84	20.80
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23060CH	23095CH	23130CH
10MHz	QPSK	1	0	23.00	22.18	21.66	21.53
		1	25	23.00	22.20	22.15	22.45
		1	49	23.00	22.12	22.20	21.07
		25	0	22.00	21.13	20.75	20.87
		25	13	22.00	21.12	21.07	21.21
		25	25	22.00	21.12	21.15	20.90
		50	0	22.00	21.11	20.90	20.86
	16QAM	1	0	22.00	21.49	20.71	20.45
		1	25	22.00	21.41	21.30	21.49
		1	49	22.00	21.35	21.37	20.09
		25	0	21.50	20.00	20.53	20.72
		25	13	21.50	20.99	20.85	20.96
		25	25	21.50	20.98	20.90	20.76
		50	0	21.50	20.99	20.68	20.69

Table 76: Conducted power measurement results of LTE Band XII(Second Antenna)

After Wi-Fi station function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23107CH	23095CH	23173CH
1.4MHz	QPSK	1	0	21.00	20.55	20.34	20.41
		1	3	21.00	20.50	20.51	20.12
		1	5	21.00	20.47	20.33	19.80
		3	0	21.00	20.49	20.39	20.30
		3	2	21.00	20.49	20.43	20.11
		3	3	21.00	20.41	20.37	19.96
		6	0	20.00	19.52	19.54	19.28
	16QAM	1	0	20.00	19.72	19.56	19.59
		1	3	20.00	19.71	19.72	19.45
		1	5	20.00	19.59	19.66	19.05
		3	0	20.00	19.55	19.42	19.51
		3	2	20.00	19.55	19.50	19.32
		3	3	20.00	19.42	19.51	19.17
		6	0	19.50	18.50	18.63	18.35
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23025CH	23095CH	23165CH
3MHz	QPSK	1	0	21.00	20.42	20.15	20.55
		1	7	21.00	20.64	20.50	20.59
		1	14	21.00	20.34	20.26	19.70
		8	0	20.00	19.46	19.44	19.70
		8	4	20.00	19.53	19.52	19.54
		8	7	20.00	19.42	19.45	19.26
		15	0	20.00	19.32	19.42	19.48
	16QAM	1	0	20.00	19.42	19.14	19.67
		1	7	20.00	19.65	19.54	19.62
		1	14	20.00	19.58	19.40	18.79
		8	0	19.50	18.45	18.45	18.61
		8	4	19.50	18.57	18.54	18.49
		8	7	19.50	18.47	18.50	18.21
		15	0	19.50	18.38	18.38	18.32

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23035CH	23095CH	23155CH
5MHz	QPSK	1	0	21.00	20.34	19.99	20.41
		1	13	21.00	20.71	20.46	20.54
		1	24	21.00	20.30	20.28	19.47
		12	0	20.00	19.43	19.33	19.54
		12	6	20.00	19.68	19.45	19.61
		12	13	20.00	19.49	19.44	19.24
		25	0	20.00	19.39	19.44	19.38
	16QAM	1	0	20.00	19.51	19.18	19.60
		1	13	20.00	19.89	19.66	19.76
		1	24	20.00	19.40	19.45	18.73
		12	0	19.50	18.43	18.36	18.59
		12	6	19.50	18.70	18.51	18.66
		12	13	19.50	18.52	18.50	18.30
		25	0	19.50	18.36	18.44	18.37
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23060CH	23095CH	23130CH
10MHz	QPSK	1	0	21.00	20.13	19.99	19.85
		1	25	21.00	20.58	20.50	20.63
		1	49	21.00	20.17	20.23	19.42
		25	0	20.00	19.36	19.17	19.19
		25	13	20.00	19.50	19.44	19.51
		25	25	20.00	19.46	19.26	19.19
		50	0	20.00	19.41	19.21	19.17
	16QAM	1	0	20.00	19.46	19.15	19.20
		1	25	20.00	19.90	19.75	19.94
		1	49	20.00	19.50	19.39	18.76
		25	0	19.50	18.34	18.19	18.27
		25	13	19.50	18.50	18.47	18.46
		25	25	19.50	18.44	18.28	18.25
		50	0	19.50	18.36	18.24	18.23

Table 77: Conducted power measurement results of LTE Band XII(Second Antenna)

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23107CH	23095CH	23173CH
1.4MHz	QPSK	1	0	20.00	19.57	19.45	19.37
		1	3	20.00	19.56	19.61	19.19
		1	5	20.00	19.44	19.47	18.82
		3	0	20.00	19.53	19.55	19.33
		3	2	20.00	19.46	19.62	19.15
		3	3	20.00	19.42	19.56	19.00
		6	0	19.00	18.48	18.69	18.29
	16QAM	1	0	19.00	18.75	18.69	18.55
		1	3	19.00	18.76	18.86	18.39
		1	5	19.00	18.65	18.72	18.02
		3	0	19.00	18.49	18.54	18.46
		3	2	19.00	18.44	18.61	18.20
		3	3	19.00	18.45	18.55	18.05
		6	0	18.50	17.50	17.69	17.29
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23025CH	23095CH	23165CH
3MHz	QPSK	1	0	20.00	19.37	19.25	19.57
		1	7	20.00	19.61	19.62	19.62
		1	14	20.00	19.38	19.32	18.64
		8	0	19.00	18.54	18.57	18.67
		8	4	19.00	18.64	18.66	18.55
		8	7	19.00	18.54	18.54	18.28
		15	0	19.00	18.43	18.54	18.46
	16QAM	1	0	19.00	18.50	18.49	18.74
		1	7	19.00	18.94	18.94	18.72
		1	14	19.00	18.69	18.50	17.81
		8	0	18.50	17.54	17.58	17.68
		8	4	18.50	17.66	17.65	17.63
		8	7	18.50	17.48	17.55	17.35
		15	0	18.50	17.37	17.53	17.40

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23035CH	23095CH	23155CH
5MHz	QPSK	1	0	20.00	19.32	19.11	19.51
		1	13	20.00	19.76	19.62	19.74
		1	24	20.00	19.27	19.33	18.68
		12	0	19.00	18.42	18.44	18.64
		12	6	19.00	18.66	18.58	18.72
		12	13	19.00	18.46	18.55	18.37
		25	0	19.00	18.37	18.57	18.51
	16QAM	1	0	19.00	18.42	18.26	18.53
		1	13	19.00	18.92	18.77	18.80
		1	24	19.00	18.47	18.45	17.76
		12	0	18.50	17.46	17.45	17.64
		12	6	18.50	17.63	17.58	17.66
		12	13	18.50	17.52	17.63	17.31
		25	0	18.50	17.27	17.47	17.46
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23060CH	23095CH	23130CH
10MHz	QPSK	1	0	20.00	19.13	19.09	18.99
		1	25	20.00	19.63	19.70	19.75
		1	49	20.00	19.17	19.25	18.60
		25	0	19.00	18.37	18.30	18.34
		25	13	19.00	18.53	18.59	18.51
		25	25	19.00	18.47	18.37	18.32
		50	0	19.00	18.40	18.32	18.30
	16QAM	1	0	19.00	18.28	18.43	18.13
		1	25	19.00	18.88	18.97	18.95
		1	49	19.00	18.38	18.60	17.76
		25	0	18.50	17.32	17.28	17.30
		25	13	18.50	17.57	17.55	17.52
		25	25	18.50	17.48	17.41	17.29
		50	0	18.50	17.39	17.24	17.29

Table 78: Conducted power measurement results of LTE Band XII(Second Antenna)

After Wi-Fi Hotspot function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23107CH	23095CH	23173CH
1.4MHz	QPSK	1	0	23.50	23.10	22.30	22.44
		1	3	23.50	23.04	22.71	22.20
		1	5	23.50	22.97	22.61	21.89
		3	0	23.50	23.14	22.60	22.39
		3	2	23.50	23.07	22.67	22.19
		3	3	23.50	23.03	22.63	22.05
		6	0	22.50	21.98	21.59	21.18
	16QAM	1	0	22.50	22.17	21.63	21.58
		1	3	22.50	22.06	21.74	21.33
		1	5	22.50	22.05	21.77	21.02
		3	0	22.50	21.92	21.63	21.33
		3	2	22.50	21.88	21.72	21.07
		3	3	22.50	21.88	21.68	20.99
		6	0	22.00	21.85	21.55	21.09
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23025CH	23095CH	23165CH
3MHz	QPSK	1	0	23.50	23.04	22.19	22.62
		1	7	23.50	23.21	22.73	22.51
		1	14	23.50	22.80	22.59	21.57
		8	0	22.50	22.02	21.49	21.56
		8	4	22.50	22.05	21.60	21.32
		8	7	22.50	21.89	21.57	21.03
		15	0	22.50	21.82	21.50	21.30
	16QAM	1	0	22.50	21.97	21.18	21.62
		1	7	22.50	22.22	21.69	21.40
		1	14	22.50	21.99	21.58	20.55
		8	0	22.00	21.97	21.38	21.45
		8	4	22.00	21.98	21.50	21.21
		8	7	22.00	21.80	21.53	20.92
		15	0	22.00	21.73	21.41	21.21

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23035CH	23095CH	23155CH
5MHz	QPSK	1	0	23.50	22.86	22.02	22.80
		1	13	23.50	23.03	22.72	22.73
		1	24	23.50	22.44	22.67	21.57
		12	0	22.50	21.89	21.34	21.76
		12	6	22.50	22.01	21.53	21.68
		12	13	22.50	21.69	21.65	21.23
		25	0	22.50	21.70	21.53	21.50
	16QAM	1	0	22.50	22.11	21.13	21.96
		1	13	22.50	22.34	21.81	21.98
		1	24	22.50	21.63	21.79	20.81
		12	0	22.00	21.88	21.27	21.75
		12	6	22.00	21.95	21.48	21.70
		12	13	22.00	21.60	21.61	21.23
		25	0	22.00	21.59	21.39	21.39
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23060CH	23095CH	23130CH
10MHz	QPSK	1	0	23.50	22.69	22.06	21.91
		1	25	23.50	22.76	22.71	22.75
		1	49	23.50	22.63	22.68	21.59
		25	0	22.50	21.67	21.23	21.39
		25	13	22.50	21.60	21.55	21.69
		25	25	22.50	21.64	21.58	21.41
		50	0	22.50	21.67	21.38	21.37
	16QAM	1	0	22.50	21.86	21.22	21.07
		1	25	22.50	21.78	21.88	22.04
		1	49	22.50	21.86	21.91	20.71
		25	0	22.00	21.60	21.13	21.28
		25	13	22.00	21.50	21.45	21.52
		25	25	22.00	21.59	21.49	21.30
		50	0	22.00	21.55	21.25	21.24

Table 79: Conducted power measurement results of LTE Band XII(Second Antenna)

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23107CH	23095CH	23173CH
1.4MHz	QPSK	1	0	20.00	19.57	19.45	19.37
		1	3	20.00	19.56	19.61	19.19
		1	5	20.00	19.44	19.47	18.82
		3	0	20.00	19.53	19.55	19.33
		3	2	20.00	19.46	19.62	19.15
		3	3	20.00	19.42	19.56	19.00
		6	0	19.00	18.48	18.69	18.29
	16QAM	1	0	19.00	18.75	18.69	18.55
		1	3	19.00	18.76	18.86	18.39
		1	5	19.00	18.65	18.72	18.02
		3	0	19.00	18.49	18.54	18.46
		3	2	19.00	18.44	18.61	18.20
		3	3	19.00	18.45	18.55	18.05
		6	0	18.50	17.50	17.69	17.29
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23025CH	23095CH	23165CH
3MHz	QPSK	1	0	20.00	19.37	19.25	19.57
		1	7	20.00	19.61	19.62	19.62
		1	14	20.00	19.38	19.32	18.64
		8	0	19.00	18.54	18.57	18.67
		8	4	19.00	18.64	18.66	18.55
		8	7	19.00	18.54	18.54	18.28
		15	0	19.00	18.43	18.54	18.46
	16QAM	1	0	19.00	18.50	18.49	18.74
		1	7	19.00	18.94	18.94	18.72
		1	14	19.00	18.69	18.50	17.81
		8	0	18.50	17.54	17.58	17.68
		8	4	18.50	17.66	17.65	17.63
		8	7	18.50	17.48	17.55	17.35
		15	0	18.50	17.37	17.53	17.40

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23035CH	23095CH	23155CH
5MHz	QPSK	1	0	20.00	19.32	19.11	19.51
		1	13	20.00	19.76	19.62	19.74
		1	24	20.00	19.27	19.33	18.68
		12	0	19.00	18.42	18.44	18.64
		12	6	19.00	18.66	18.58	18.72
		12	13	19.00	18.46	18.55	18.37
		25	0	19.00	18.37	18.57	18.51
	16QAM	1	0	19.00	18.42	18.26	18.53
		1	13	19.00	18.92	18.77	18.80
		1	24	19.00	18.47	18.45	17.76
		12	0	18.50	17.46	17.45	17.64
		12	6	18.50	17.63	17.58	17.66
		12	13	18.50	17.52	17.63	17.31
		25	0	18.50	17.27	17.47	17.46
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23060CH	23095CH	23130CH
10MHz	QPSK	1	0	20.00	19.13	19.09	18.99
		1	25	20.00	19.63	19.70	19.75
		1	49	20.00	19.17	19.25	18.60
		25	0	19.00	18.37	18.30	18.34
		25	13	19.00	18.53	18.59	18.51
		25	25	19.00	18.47	18.37	18.32
		50	0	19.00	18.40	18.32	18.30
	16QAM	1	0	19.00	18.28	18.43	18.13
		1	25	19.00	18.88	18.97	18.95
		1	49	19.00	18.38	18.60	17.76
		25	0	18.50	17.32	17.28	17.30
		25	13	18.50	17.57	17.55	17.52
		25	25	18.50	17.48	17.41	17.29
		50	0	18.50	17.39	17.24	17.29

Table 80: Conducted power measurement results of LTE Band XII(Second Antenna)

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

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23755CH	23790CH	23825CH
5MHz	QPSK	1	0	24.00	22.67	22.64	22.85
		1	13	24.00	22.85	23.01	22.94
		1	24	24.00	22.67	22.81	22.90
		12	0	23.00	21.87	21.85	21.95
		12	6	23.00	21.88	21.96	21.97
		12	13	23.00	21.85	21.85	21.61
		25	0	23.00	21.86	21.87	21.71
	16QAM	1	0	23.00	21.94	21.76	21.90
		1	13	23.00	22.08	22.15	22.05
		1	24	23.00	21.92	21.88	21.07
		12	0	22.00	21.80	21.71	21.79
		12	6	22.00	21.83	21.83	21.79
		12	13	22.00	21.79	21.73	21.44
		25	0	22.00	21.80	21.70	21.48
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23780CH	23790CH	23800CH
10MHz	QPSK	1	0	24.00	22.67	22.42	22.49
		1	25	24.00	23.09	23.00	23.06
		1	49	24.00	22.59	22.38	22.04
		25	0	23.00	21.78	21.69	21.70
		25	13	23.00	21.88	21.87	21.85
		25	25	23.00	21.78	21.72	21.65
		50	0	23.00	21.72	21.69	21.65
	16QAM	1	0	23.00	21.79	21.54	21.56
		1	25	23.00	22.24	22.12	22.12
		1	49	23.00	21.67	21.50	21.09
		25	0	22.00	21.64	21.54	21.54
		25	13	22.00	21.74	21.71	21.69
		25	25	22.00	21.65	21.57	21.49
		50	0	22.00	21.60	21.49	21.45

Table 81: Conducted power measurement results of LTE Band XVII(Second Antenna)

After Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23755CH	23790CH	23825CH
5MHz	QPSK	1	0	22.50	21.60	21.55	21.67
		1	13	22.50	21.82	21.90	21.78
		1	24	22.50	21.64	21.60	20.83
		12	0	22.20	21.72	21.69	21.74
		12	6	22.20	21.75	21.80	21.73
		12	13	22.20	21.72	21.65	21.37
		25	0	22.20	21.73	21.71	21.48
	16QAM	1	0	22.20	21.64	21.67	21.74
		1	13	22.20	21.85	21.98	21.80
		1	24	22.20	21.66	21.75	20.96
		12	0	21.20	20.69	20.65	20.63
		12	6	21.20	20.73	20.73	20.64
		12	13	21.20	20.68	20.60	20.32
		25	0	21.20	20.61	20.57	20.37
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23780CH	23790CH	23800CH
10MHz	QPSK	1	0	22.50	21.51	21.36	21.38
		1	25	22.50	21.90	21.93	21.90
		1	49	22.50	21.38	21.27	20.85
		25	0	22.20	21.62	21.57	21.57
		25	13	22.20	21.72	21.73	21.70
		25	25	22.20	21.61	21.53	21.44
		50	0	22.20	21.55	21.52	21.46
	16QAM	1	0	22.20	21.63	21.52	21.54
		1	25	22.20	22.12	22.13	22.08
		1	49	22.20	21.63	21.45	21.02
		25	0	21.20	20.66	20.51	20.50
		25	13	21.20	20.74	20.67	20.62
		25	25	21.20	20.61	20.45	20.37
		50	0	21.20	20.54	20.45	20.39

Table 82: Conducted power measurement results of LTE Band XVII(Second Antenna)

After Wi-Fi station function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23755CH	23790CH	23825CH
5MHz	QPSK	1	0	22.00	21.51	21.41	21.48
		1	13	22.00	21.73	21.68	21.69
		1	24	22.00	21.40	21.30	20.81
		12	0	21.00	20.56	20.38	20.35
		12	6	21.00	20.57	20.45	20.44
		12	13	21.00	20.45	20.24	20.17
		25	0	21.00	20.52	20.34	20.18
	16QAM	1	0	21.00	20.49	20.42	20.45
		1	13	21.00	20.75	20.66	20.63
		1	24	21.00	20.40	20.28	19.86
		12	0	20.00	19.84	19.68	19.67
		12	6	20.00	19.83	19.75	19.75
		12	13	20.00	19.73	19.54	19.49
		25	0	20.00	19.75	19.61	19.47
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23780CH	23790CH	23800CH
10MHz	QPSK	1	0	22.00	21.38	21.20	21.24
		1	25	22.00	21.76	21.67	21.67
		1	49	22.00	21.08	21.00	20.69
		25	0	21.00	20.35	20.21	20.17
		25	13	21.00	20.36	20.28	20.27
		25	25	21.00	20.13	20.04	20.01
		50	0	21.00	20.21	20.11	20.06
	16QAM	1	0	21.00	20.40	20.22	20.28
		1	25	21.00	20.79	20.68	20.73
		1	49	21.00	20.10	20.01	19.80
		25	0	20.00	19.62	19.51	19.52
		25	13	20.00	19.64	19.60	19.61
		25	25	20.00	19.44	19.38	19.38
		50	0	20.00	19.46	19.44	19.40

Table 83: Conducted power measurement results of LTE Band XVII(Second Antenna)

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23755CH	23790CH	23825CH
5MHz	QPSK	1	0	21.00	20.38	20.25	20.20
		1	13	21.00	20.61	20.48	20.51
		1	24	21.00	20.20	20.05	19.68
		12	0	20.00	19.90	19.66	19.64
		12	6	20.00	19.90	19.72	19.73
		12	13	20.00	19.75	19.52	19.50
		25	0	20.00	19.83	19.62	19.48
	16QAM	1	0	20.00	19.87	19.61	19.73
		1	13	20.00	19.93	19.89	19.97
		1	24	20.00	19.72	19.49	19.21
		12	0	19.00	18.74	18.53	18.48
		12	6	19.00	18.75	18.58	18.59
		12	13	19.00	18.61	18.35	18.36
		25	0	19.00	18.61	18.40	18.25
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23780CH	23790CH	23800CH
10MHz	QPSK	1	0	21.00	20.24	20.05	20.08
		1	25	21.00	20.60	20.46	20.45
		1	49	21.00	19.84	19.78	19.54
		25	0	20.00	19.74	19.56	19.53
		25	13	20.00	19.74	19.64	19.63
		25	25	20.00	19.54	19.41	19.39
		50	0	20.00	19.60	19.47	19.43
	16QAM	1	0	20.00	19.72	19.62	19.66
		1	25	20.00	19.98	19.95	19.99
		1	49	20.00	19.33	19.48	19.09
		25	0	19.00	18.50	18.34	18.28
		25	13	19.00	18.50	18.41	18.36
		25	25	19.00	18.23	18.13	18.13
		50	0	19.00	18.32	18.21	18.19

Table 84: Conducted power measurement results of LTE Band XVII(Second Antenna)

After Wi-Fi Hotspot function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23755CH	23790CH	23825CH
5MHz	QPSK	1	0	23.00	21.69	21.69	21.92
		1	13	23.00	22.03	22.02	22.00
		1	24	23.00	21.78	21.78	21.09
		12	0	22.00	21.85	21.84	21.95
		12	6	22.00	21.96	21.95	21.94
		12	13	22.00	21.85	21.84	21.58
		25	0	22.00	21.86	21.85	21.69
	16QAM	1	0	22.00	21.83	21.79	21.96
		1	13	22.00	21.98	21.96	21.95
		1	24	22.00	21.88	21.87	21.09
		12	0	21.60	20.92	20.89	20.93
		12	6	21.60	20.95	20.99	20.93
		12	13	21.60	20.86	20.88	20.60
		25	0	21.60	20.82	20.85	20.66
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23780CH	23790CH	23800CH
10MHz	QPSK	1	0	23.00	21.79	21.60	21.58
		1	25	23.00	22.21	22.14	22.10
		1	49	23.00	21.75	21.51	21.04
		25	0	22.00	21.88	21.77	21.78
		25	13	22.00	21.99	21.94	21.90
		25	25	22.00	21.90	21.78	21.68
		50	0	22.00	21.83	21.72	21.67
	16QAM	1	0	22.00	21.76	21.68	21.74
		1	25	22.00	21.92	21.96	21.99
		1	49	22.00	21.76	21.62	21.22
		25	0	21.60	20.87	20.72	20.72
		25	13	21.60	20.95	20.88	20.86
		25	25	21.60	20.84	20.71	20.63
		50	0	21.60	20.76	20.66	20.62

Table 85: Conducted power measurement results of LTE Band XVII(Second Antenna)

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23755CH	23790CH	23825CH
5MHz	QPSK	1	0	21.00	20.38	20.25	20.20
		1	13	21.00	20.61	20.48	20.51
		1	24	21.00	20.20	20.05	19.68
		12	0	20.00	19.90	19.66	19.64
		12	6	20.00	19.90	19.72	19.73
		12	13	20.00	19.75	19.52	19.50
		25	0	20.00	19.83	19.62	19.48
	16QAM	1	0	20.00	19.87	19.61	19.73
		1	13	20.00	19.93	19.89	19.97
		1	24	20.00	19.72	19.49	19.21
		12	0	19.00	18.74	18.53	18.48
		12	6	19.00	18.75	18.58	18.59
		12	13	19.00	18.61	18.35	18.36
		25	0	19.00	18.61	18.40	18.25
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23780CH	23790CH	23800CH
10MHz	QPSK	1	0	21.00	20.24	20.05	20.08
		1	25	21.00	20.60	20.46	20.45
		1	49	21.00	19.84	19.78	19.54
		25	0	20.00	19.74	19.56	19.53
		25	13	20.00	19.74	19.64	19.63
		25	25	20.00	19.54	19.41	19.39
		50	0	20.00	19.60	19.47	19.43
	16QAM	1	0	20.00	19.72	19.62	19.66
		1	25	20.00	19.98	19.95	19.99
		1	49	20.00	19.33	19.48	19.09
		25	0	19.00	18.50	18.34	18.28
		25	13	19.00	18.50	18.41	18.36
		25	25	19.00	18.23	18.13	18.13
		50	0	19.00	18.32	18.21	18.19

Table 86: Conducted power measurement results of LTE Band XVII(Second Antenna)

7.1.14 Conducted power measurements of LTE Band XXVI(Second Antenna)

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	23.50	22.60	22.41	22.20
		1	3	23.50	22.75	22.46	22.33
		1	5	23.50	22.63	22.38	22.32
		3	0	23.50	22.67	22.43	22.23
		3	2	23.50	22.70	22.42	22.24
		3	3	23.50	22.66	22.44	22.27
		6	0	22.50	21.70	21.46	21.39
	16QAM	1	0	22.50	21.71	21.68	21.40
		1	3	22.50	21.84	21.74	21.42
		1	5	22.50	21.59	21.57	21.48
		3	0	22.50	21.54	21.51	21.36
		3	2	22.50	21.71	21.50	21.34
		3	3	22.50	21.66	21.46	21.37
		6	0	22.00	21.57	21.43	21.25
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26705CH	26865CH	27025CH
3MHz	QPSK	1	0	23.50	22.59	22.36	22.18
		1	7	23.50	22.83	22.50	22.28
		1	14	23.50	22.55	22.24	22.20
		8	0	22.50	21.71	21.46	21.32
		8	4	22.50	21.74	21.44	21.32
		8	7	22.50	21.70	21.41	21.27
		15	0	22.50	21.69	21.40	21.33
	16QAM	1	0	22.50	21.47	21.39	21.21
		1	7	22.50	21.70	21.74	21.32
		1	14	22.50	21.63	21.28	21.21
		8	0	22.00	21.54	21.44	21.24
		8	4	22.00	21.57	21.41	21.19
		8	7	22.00	21.52	21.39	21.15
		15	0	22.00	21.45	21.35	21.25

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26715CH	26865CH	27015CH
5MHz	QPSK	1	0	23.50	22.62	22.43	22.48
		1	13	23.50	22.83	22.54	22.31
		1	24	23.50	22.46	22.29	22.15
		12	0	22.50	21.68	21.54	21.52
		12	6	22.50	21.74	21.56	21.48
		12	13	22.50	21.57	21.44	21.34
		25	0	22.50	21.55	21.47	21.32
	16QAM	1	0	22.50	21.67	21.71	21.72
		1	13	22.50	21.86	21.82	21.58
		1	24	22.50	21.64	21.54	21.38
		12	0	22.00	21.53	21.54	21.38
		12	6	22.00	21.61	21.50	21.28
		12	13	22.00	21.49	21.42	21.14
		25	0	22.00	21.40	21.40	21.18
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26750CH	26865CH	26990CH
10MHz	QPSK	1	0	23.50	22.43	22.45	22.41
		1	25	23.50	22.75	22.55	22.66
		1	49	23.50	22.48	22.31	22.02
		25	0	22.50	21.59	21.52	21.52
		25	13	22.50	21.68	21.46	21.54
		25	25	22.50	21.59	21.40	21.32
		50	0	22.50	21.61	21.38	21.36
	16QAM	1	0	22.50	21.61	21.67	21.61
		1	25	22.50	21.90	21.76	21.85
		1	49	22.50	21.73	21.45	21.19
		25	0	22.00	21.44	21.47	21.42
		25	13	22.00	21.54	21.42	21.37
		25	25	22.00	21.50	21.36	21.19
		50	0	22.00	21.45	21.34	21.27

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26775CH	26865CH	26965CH
15MHz	QPSK	1	0	23.50	22.31	22.34	22.03
		1	38	23.50	22.61	22.67	22.66
		1	74	23.50	22.28	22.20	22.01
		36	0	22.50	21.54	21.47	21.27
		36	18	22.50	21.66	21.41	21.42
		36	39	22.50	21.62	21.31	21.21
		75	0	22.50	21.55	21.30	21.21
	16QAM	1	0	22.50	21.48	21.53	21.15
		1	38	22.50	22.07	21.86	21.95
		1	74	22.50	21.46	21.42	21.10
		36	0	22.00	21.42	21.40	21.24
		36	18	22.00	21.59	21.35	21.37
		36	39	22.00	21.51	21.24	21.19
		75	0	22.00	21.46	21.26	21.15

Table 87: Conducted power measurement results of LTE Band XXVI(Second Antenna)

After Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	20.50	20.07	19.94	19.82
		1	3	20.50	20.17	19.96	19.95
		1	5	20.50	19.99	19.83	19.95
		3	0	20.50	20.12	19.99	19.92
		3	2	20.50	20.14	19.99	19.92
		3	3	20.50	20.09	20.01	19.94
		6	0	19.50	19.10	19.02	18.91
	16QAM	1	0	19.50	19.16	19.24	19.13
		1	3	19.50	19.25	19.04	19.25
		1	5	19.50	19.13	18.95	19.20
		3	0	19.50	18.97	19.12	19.14
		3	2	19.50	19.13	18.95	19.01
		3	3	19.50	19.14	19.04	18.97
		6	0	19.00	18.18	18.05	17.95
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26705CH	26865CH	27025CH
3MHz	QPSK	1	0	20.50	19.93	19.97	19.81
		1	7	20.50	20.18	20.09	19.99
		1	14	20.50	19.91	19.84	19.88
		8	0	19.50	19.13	19.04	18.86
		8	4	19.50	19.16	19.02	18.87
		8	7	19.50	19.09	18.98	18.81
		15	0	19.50	19.10	18.98	18.88
	16QAM	1	0	19.50	19.08	18.95	18.78
		1	7	19.50	19.34	19.13	19.02
		1	14	19.50	19.17	18.78	19.17
		8	0	19.00	18.19	17.96	17.95
		8	4	19.00	18.18	17.98	17.89
		8	7	19.00	18.11	17.91	17.83
		15	0	19.00	18.09	17.91	17.84

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26715CH	26865CH	27015CH
5MHz	QPSK	1	0	20.50	19.95	19.96	20.02
		1	13	20.50	20.17	20.09	19.97
		1	24	20.50	19.87	19.78	19.76
		12	0	19.50	19.12	19.08	19.01
		12	6	19.50	19.18	19.05	18.94
		12	13	19.50	19.03	18.95	18.78
		25	0	19.50	19.03	19.02	18.79
	16QAM	1	0	19.50	19.27	19.08	19.23
		1	13	19.50	19.49	19.22	19.07
		1	24	19.50	19.12	18.87	18.87
		12	0	19.00	18.24	18.01	18.13
		12	6	19.00	18.30	18.02	18.02
		12	13	19.00	18.09	17.87	17.85
		25	0	19.00	18.01	17.94	17.81
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26750CH	26865CH	26990CH
10MHz	QPSK	1	0	20.50	19.86	19.93	19.88
		1	25	20.50	20.19	20.07	20.22
		1	49	20.50	19.84	19.76	19.56
		25	0	19.50	19.02	19.06	19.04
		25	13	19.50	19.11	19.03	19.02
		25	25	19.50	18.97	18.91	18.77
		50	0	19.50	19.01	18.92	18.89
	16QAM	1	0	19.50	19.33	19.03	19.07
		1	25	19.50	19.49	19.17	19.48
		1	49	19.50	19.27	18.78	18.79
		25	0	19.00	17.92	17.91	18.05
		25	13	19.00	18.02	17.92	18.11
		25	25	19.00	17.87	17.78	17.82
		50	0	19.00	17.91	17.81	17.88

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26775CH	26865CH	26965CH
15MHz	QPSK	1	0	20.50	19.66	19.80	19.42
		1	38	20.50	20.28	20.07	20.19
		1	74	20.50	19.57	19.58	19.33
		36	0	19.50	19.00	18.97	18.85
		36	18	19.50	19.15	18.93	19.01
		36	39	19.50	19.01	18.78	18.79
		75	0	19.50	19.02	18.85	18.79
	16QAM	1	0	19.50	18.96	18.78	18.47
		1	38	19.50	19.46	19.18	19.39
		1	74	19.50	18.91	18.64	18.46
		36	0	19.00	17.99	17.87	17.83
		36	18	19.00	18.11	17.90	18.01
		36	39	19.00	17.95	17.69	17.83
		75	0	19.00	17.95	17.74	17.77

Table 88: Conducted power measurement results of LTE Band XXVI(Second Antenna)

After Wi-Fi station function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	18.50	17.69	17.69	17.52
		1	3	18.50	17.78	17.69	17.65
		1	5	18.50	17.68	17.58	17.63
		3	0	18.50	17.76	17.69	17.56
		3	2	18.50	17.80	17.67	17.57
		3	3	18.50	17.74	17.64	17.59
		6	0	17.50	17.07	17.01	16.61
	16QAM	1	0	17.50	17.30	17.15	16.63
		1	3	17.50	17.39	17.17	16.77
		1	5	17.50	17.15	17.01	16.57
		3	0	17.50	17.03	17.01	16.58
		3	2	17.50	17.04	16.99	16.62
		3	3	17.50	16.99	16.92	16.59
		6	0	17.00	16.99	16.96	15.63
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26705CH	26865CH	27025CH
3MHz	QPSK	1	0	18.50	17.61	17.62	17.44
		1	7	18.50	17.89	17.77	17.62
		1	14	18.50	17.57	17.48	17.45
		8	0	17.50	17.07	17.03	16.62
		8	4	17.50	17.11	16.99	16.58
		8	7	17.50	17.03	16.86	16.56
		15	0	17.50	17.05	16.94	16.59
	16QAM	1	0	17.50	17.16	17.05	16.56
		1	7	17.50	17.46	17.34	16.96
		1	14	17.50	17.10	16.75	16.57
		8	0	17.00	16.91	16.96	15.58
		8	4	17.00	16.95	16.92	15.52
		8	7	17.00	16.98	16.81	15.51
		15	0	17.00	16.91	16.86	15.55

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26715CH	26865CH	27015CH
5MHz	QPSK	1	0	18.50	17.34	17.59	17.65
		1	13	18.50	17.50	17.79	17.51
		1	24	18.50	17.66	17.38	17.25
		12	0	17.50	17.47	17.12	16.70
		12	6	17.50	17.49	17.07	16.67
		12	13	17.50	17.49	16.80	16.47
		25	0	17.50	16.81	16.94	16.51
	16QAM	1	0	17.50	17.08	17.17	16.81
		1	13	17.50	17.34	17.17	16.77
		1	24	17.50	16.98	16.61	16.47
		12	0	17.00	16.96	16.94	15.79
		12	6	17.00	16.92	16.99	15.67
		12	13	17.00	16.99	16.74	15.45
		25	0	17.00	16.95	16.82	15.45
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26750CH	26865CH	26990CH
10MHz	QPSK	1	0	18.50	17.55	17.45	17.43
		1	25	18.50	17.90	17.71	17.91
		1	49	18.50	17.40	17.29	17.16
		25	0	17.50	17.01	17.04	16.62
		25	13	17.50	17.08	16.93	16.72
		25	25	17.50	16.98	16.55	16.46
		50	0	17.50	16.98	16.78	16.51
	16QAM	1	0	17.50	17.14	17.04	16.61
		1	25	17.50	17.45	17.15	17.14
		1	49	17.50	17.18	16.32	16.41
		25	0	17.00	16.93	16.95	16.14
		25	13	17.00	16.95	16.84	16.00
		25	25	17.00	16.92	16.47	15.41
		50	0	17.00	16.85	16.71	15.74

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26775CH	26865CH	26965CH
15MHz	QPSK	1	0	18.50	17.29	17.29	17.12
		1	38	18.50	17.84	17.80	17.92
		1	74	18.50	17.03	17.11	16.97
		36	0	17.50	16.90	17.00	16.50
		36	18	17.50	17.09	16.91	16.69
		36	39	17.50	16.97	16.42	16.47
		75	0	17.50	16.93	16.68	16.45
	16QAM	1	0	17.50	16.64	16.75	15.94
		1	38	17.50	17.48	17.22	16.95
		1	74	17.50	16.73	16.20	15.95
		36	0	17.00	16.81	16.93	16.03
		36	18	17.00	16.92	16.82	16.12
		36	39	17.00	16.91	16.26	15.48
		75	0	17.00	16.84	16.56	15.77

Table 89: Conducted power measurement results of LTE Band XXVI(Second Antenna)

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	18.00	17.76	17.68	16.78
		1	3	18.00	17.86	17.70	16.88
		1	5	18.00	17.70	17.54	16.87
		3	0	18.00	17.79	17.73	16.86
		3	2	18.00	17.82	17.71	16.85
		3	3	18.00	17.76	17.65	16.85
		6	0	16.50	15.13	15.22	14.92
	16QAM	1	0	16.00	15.24	15.35	14.94
		1	3	16.00	15.34	15.35	14.99
		1	5	16.00	15.25	15.22	14.90
		3	0	16.00	15.20	15.26	15.02
		3	2	16.00	15.21	15.36	14.98
		3	3	16.00	15.16	15.18	14.90
		6	0	16.00	14.63	14.76	14.40
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26705CH	26865CH	27025CH
3MHz	QPSK	1	0	18.00	17.52	17.55	16.67
		1	7	18.00	17.90	17.76	16.91
		1	14	18.00	17.48	17.26	16.69
		8	0	16.50	15.16	15.25	15.14
		8	4	16.50	15.18	15.21	15.03
		8	7	16.50	15.10	15.11	14.83
		15	0	16.50	15.12	15.18	15.01
	16QAM	1	0	16.00	15.08	15.26	15.37
		1	7	16.00	15.42	15.53	15.30
		1	14	16.00	15.13	15.07	15.00
		8	0	16.00	14.73	14.76	14.54
		8	4	16.00	14.77	14.75	14.54
		8	7	16.00	14.69	14.57	14.33
		15	0	16.00	14.63	14.67	14.45

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26715CH	26865CH	27015CH
5MHz	QPSK	1	0	18.00	17.64	17.71	16.90
		1	13	18.00	17.90	17.76	16.84
		1	24	18.00	17.52	17.15	16.55
		12	0	16.50	15.21	15.26	15.27
		12	6	16.50	15.27	15.30	15.25
		12	13	16.50	14.97	15.05	14.96
		25	0	16.50	15.10	15.14	15.00
	16QAM	1	0	16.00	15.24	15.33	15.33
		1	13	16.00	15.57	15.61	15.42
		1	24	16.00	14.92	14.99	14.79
		12	0	16.00	14.67	14.75	14.75
		12	6	16.00	14.75	14.80	14.73
		12	13	16.00	14.45	14.56	14.45
		25	0	16.00	14.54	14.59	14.41
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26750CH	26865CH	26990CH
10MHz	QPSK	1	0	18.00	17.44	17.64	16.63
		1	25	18.00	17.84	17.77	17.16
		1	49	18.00	17.43	16.76	16.39
		25	0	16.50	15.06	15.07	14.99
		25	13	16.50	15.04	15.14	15.11
		25	25	16.50	14.81	14.85	14.84
		50	0	16.50	14.89	14.91	14.88
	16QAM	1	0	16.00	15.00	15.15	14.82
		1	25	16.00	15.32	15.61	15.55
		1	49	16.00	14.69	14.78	14.61
		25	0	16.00	14.41	14.53	14.43
		25	13	16.00	14.43	14.61	14.56
		25	25	16.00	14.17	14.31	14.28
		50	0	16.00	14.32	14.38	14.34

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26775CH	26865CH	26965CH
15MHz	QPSK	1	0	18.00	17.21	17.29	16.60
		1	38	18.00	17.94	17.72	17.13
		1	74	18.00	17.15	16.21	16.12
		36	0	16.50	14.89	14.99	14.85
		36	18	16.50	15.02	15.01	14.99
		36	39	16.50	14.71	14.74	14.80
		75	0	16.50	14.84	14.83	14.76
	16QAM	1	0	16.00	14.58	14.55	14.51
		1	38	16.00	15.24	15.54	15.29
		1	74	16.00	14.41	14.13	14.18
		36	0	16.00	14.38	14.39	14.30
		36	18	16.00	14.45	14.55	14.45
		36	39	16.00	14.15	14.16	14.23
		75	0	16.00	14.27	14.26	14.23

Table 90: Conducted power measurement results of LTE Band XXVI(Second Antenna)

After Wi-Fi Hotspot function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	21.00	20.11	20.02	19.90
		1	3	21.00	20.28	19.99	20.03
		1	5	21.00	20.08	19.91	20.01
		3	0	21.00	20.26	20.05	19.90
		3	2	21.00	20.29	20.03	19.96
		3	3	21.00	20.24	20.07	19.94
		6	0	20.00	19.24	19.08	19.04
	16QAM	1	0	20.00	19.43	19.39	18.98
		1	3	20.00	19.51	19.40	19.21
		1	5	20.00	19.34	19.19	19.17
		3	0	20.00	19.20	19.05	18.70
		3	2	20.00	19.23	19.08	19.14
		3	3	20.00	19.19	18.98	19.16
		6	0	19.50	18.47	18.32	18.23
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26705CH	26865CH	27025CH
3MHz	QPSK	1	0	21.00	20.12	20.05	19.82
		1	7	21.00	20.34	20.08	19.98
		1	14	21.00	20.00	19.85	19.85
		8	0	20.00	19.24	19.05	18.88
		8	4	20.00	19.26	19.07	18.89
		8	7	20.00	19.21	18.99	18.84
		15	0	20.00	19.21	19.04	18.90
	16QAM	1	0	20.00	19.15	18.93	19.01
		1	7	20.00	19.40	19.12	19.14
		1	14	20.00	19.11	18.82	19.09
		8	0	19.50	18.58	18.37	18.05
		8	4	19.50	18.61	18.35	18.15
		8	7	19.50	18.51	18.31	18.02
		15	0	19.50	18.45	18.21	18.11

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26715CH	26865CH	27015CH
5MHz	QPSK	1	0	21.00	20.10	20.00	20.12
		1	13	21.00	20.34	20.16	19.94
		1	24	21.00	20.02	19.83	19.73
		12	0	20.00	19.23	19.11	19.06
		12	6	20.00	19.30	19.13	18.97
		12	13	20.00	19.10	18.98	18.82
		25	0	20.00	19.10	19.04	18.86
	16QAM	1	0	20.00	19.25	19.17	19.30
		1	13	20.00	19.47	19.31	19.10
		1	24	20.00	19.18	18.97	19.06
		12	0	19.50	18.46	18.38	18.28
		12	6	19.50	18.53	18.35	18.18
		12	13	19.50	18.38	18.21	18.05
		25	0	19.50	18.37	18.26	18.03
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26750CH	26865CH	26990CH
10MHz	QPSK	1	0	21.00	19.97	20.04	19.97
		1	25	21.00	20.25	20.17	20.38
		1	49	21.00	19.95	19.86	19.64
		25	0	20.00	19.08	19.15	19.14
		25	13	20.00	19.17	19.10	19.13
		25	25	20.00	19.06	18.98	18.87
		50	0	20.00	19.09	19.00	19.00
	16QAM	1	0	20.00	19.22	19.13	19.06
		1	25	20.00	19.56	19.28	19.42
		1	49	20.00	19.21	18.94	18.82
		25	0	19.50	18.24	18.32	18.26
		25	13	19.50	18.33	18.28	18.26
		25	25	19.50	18.25	18.15	18.04
		50	0	19.50	18.25	18.18	18.12

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26775CH	26865CH	26965CH
15MHz	QPSK	1	0	21.00	19.93	19.85	19.57
		1	38	21.00	20.44	20.13	20.32
		1	74	21.00	19.71	19.67	19.48
		36	0	20.00	19.05	19.01	18.95
		36	18	20.00	19.17	18.98	19.12
		36	39	20.00	19.07	18.81	18.91
		75	0	20.00	19.04	18.86	18.90
	16QAM	1	0	20.00	19.06	19.15	18.76
		1	38	20.00	19.60	19.47	19.60
		1	74	20.00	18.83	18.87	18.75
		36	0	19.50	18.35	18.31	18.13
		36	18	19.50	18.47	18.27	18.29
		36	39	19.50	18.38	18.13	18.13
		75	0	19.50	18.30	18.10	18.10

Table 91: Conducted power measurement results of LTE Band XXVI(Second Antenna)

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	18.00	17.76	17.68	16.78
		1	3	18.00	17.86	17.70	16.88
		1	5	18.00	17.70	17.54	16.87
		3	0	18.00	17.79	17.73	16.86
		3	2	18.00	17.82	17.71	16.85
		3	3	18.00	17.76	17.65	16.85
		6	0	16.50	15.13	15.22	14.92
	16QAM	1	0	16.00	15.24	15.35	14.94
		1	3	16.00	15.34	15.35	14.99
		1	5	16.00	15.25	15.22	14.90
		3	0	16.00	15.20	15.26	15.02
		3	2	16.00	15.21	15.36	14.98
		3	3	16.00	15.16	15.18	14.90
		6	0	16.00	14.63	14.76	14.40
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26705CH	26865CH	27025CH
3MHz	QPSK	1	0	18.00	17.52	17.55	16.67
		1	7	18.00	17.90	17.76	16.91
		1	14	18.00	17.48	17.26	16.69
		8	0	16.50	15.16	15.25	15.14
		8	4	16.50	15.18	15.21	15.03
		8	7	16.50	15.10	15.11	14.83
		15	0	16.50	15.12	15.18	15.01
	16QAM	1	0	16.00	15.08	15.26	15.37
		1	7	16.00	15.42	15.53	15.30
		1	14	16.00	15.13	15.07	15.00
		8	0	16.00	14.73	14.76	14.54
		8	4	16.00	14.77	14.75	14.54
		8	7	16.00	14.69	14.57	14.33
		15	0	16.00	14.63	14.67	14.45

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26715CH	26865CH	27015CH
5MHz	QPSK	1	0	18.00	17.64	17.71	16.90
		1	13	18.00	17.90	17.76	16.84
		1	24	18.00	17.52	17.15	16.55
		12	0	16.50	15.21	15.26	15.27
		12	6	16.50	15.27	15.30	15.25
		12	13	16.50	14.97	15.05	14.96
		25	0	16.50	15.10	15.14	15.00
	16QAM	1	0	16.00	15.24	15.33	15.33
		1	13	16.00	15.57	15.61	15.42
		1	24	16.00	14.92	14.99	14.79
		12	0	16.00	14.67	14.75	14.75
		12	6	16.00	14.75	14.80	14.73
		12	13	16.00	14.45	14.56	14.45
		25	0	16.00	14.54	14.59	14.41
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26750CH	26865CH	26990CH
10MHz	QPSK	1	0	18.00	17.44	17.64	16.63
		1	25	18.00	17.84	17.77	17.16
		1	49	18.00	17.43	16.76	16.39
		25	0	16.50	15.06	15.07	14.99
		25	13	16.50	15.04	15.14	15.11
		25	25	16.50	14.81	14.85	14.84
		50	0	16.50	14.89	14.91	14.88
	16QAM	1	0	16.00	15.00	15.15	14.82
		1	25	16.00	15.32	15.61	15.55
		1	49	16.00	14.69	14.78	14.61
		25	0	16.00	14.41	14.53	14.43
		25	13	16.00	14.43	14.61	14.56
		25	25	16.00	14.17	14.31	14.28
		50	0	16.00	14.32	14.38	14.34

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26775CH	26865CH	26965CH
15MHz	QPSK	1	0	18.00	17.21	17.29	16.60
		1	38	18.00	17.94	17.72	17.13
		1	74	18.00	17.15	16.21	16.12
		36	0	16.50	14.89	14.99	14.85
		36	18	16.50	15.02	15.01	14.99
		36	39	16.50	14.71	14.74	14.80
		75	0	16.50	14.84	14.83	14.76
	16QAM	1	0	16.00	14.58	14.55	14.51
		1	38	16.00	15.24	15.54	15.29
		1	74	16.00	14.41	14.13	14.18
		36	0	16.00	14.38	14.39	14.30
		36	18	16.00	14.45	14.55	14.45
		36	39	16.00	14.15	14.16	14.23
		75	0	16.00	14.27	14.26	14.23

Table 92: Conducted power measurement results of LTE Band XXVI(Second Antenna)

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

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37775CH	38000CH	38225CH
5MHz	QPSK	1	0	24.20	22.89	23.03	23.05
		1	13	24.20	23.04	23.01	23.03
		1	24	24.20	22.75	22.94	23.21
		12	0	23.20	22.60	22.94	23.09
		12	6	23.20	22.62	22.87	23.14
		12	13	23.20	22.45	22.62	23.01
		25	0	23.20	22.55	22.73	23.06
	16QAM	1	0	23.20	22.28	22.43	22.48
		1	13	23.20	22.41	22.44	22.80
		1	24	23.20	22.13	21.94	22.39
		12	0	22.20	21.43	21.88	21.93
		12	6	22.20	21.43	21.80	21.98
		12	13	22.20	21.35	21.55	21.93
		25	0	22.20	21.52	21.78	21.86
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37800CH	38000CH	38200CH
10MHz	QPSK	1	0	24.20	23.04	23.02	22.89
		1	25	24.20	23.02	23.05	23.09
		1	49	24.20	23.12	22.96	23.01
		25	0	23.20	22.62	22.87	22.84
		25	13	23.20	22.72	22.80	22.86
		25	25	23.20	22.66	22.61	22.97
		50	0	23.20	22.63	22.76	23.05
	16QAM	1	0	23.20	21.91	22.33	22.09
		1	25	23.20	22.33	22.49	22.28
		1	49	23.20	22.06	22.00	22.17
		25	0	22.20	21.55	21.77	21.81
		25	13	22.20	21.65	21.69	21.82
		25	25	22.20	21.59	21.50	21.87
		50	0	22.20	21.52	21.70	21.87

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37825CH	38000CH	38175CH
15MHz	QPSK	1	0	24.20	22.62	23.16	22.99
		1	38	24.20	23.03	23.02	23.04
		1	74	24.20	22.88	22.95	23.08
		36	0	23.20	22.60	22.85	22.68
		36	18	23.20	22.83	22.79	22.87
		36	39	23.20	22.67	22.60	22.94
		75	0	23.20	22.58	22.71	22.76
	16QAM	1	0	23.20	21.92	22.14	21.86
		1	38	23.20	22.60	22.49	22.36
		1	74	23.20	22.14	22.00	22.01
		36	0	22.20	21.45	21.79	21.56
		36	18	22.20	21.68	21.72	21.76
		36	39	22.20	21.53	21.53	21.75
		75	0	22.20	21.43	21.59	21.67
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37850CH	38000CH	38150CH
20MHz	QPSK	1	0	24.20	22.41	22.90	23.13
		1	50	24.20	23.08	23.25	23.16
		1	99	24.20	22.92	22.96	22.79
		50	0	23.20	22.15	22.57	22.55
		50	25	23.20	22.38	22.56	22.61
		50	50	23.20	22.40	22.54	22.64
		100	0	23.20	22.34	22.58	22.56
	16QAM	1	0	23.20	22.61	22.88	22.83
		1	50	23.20	23.14	23.11	23.02
		1	99	23.20	22.85	22.63	22.88
		50	0	22.20	21.62	21.93	21.67
		50	25	22.20	21.74	21.87	21.70
		50	50	22.20	21.82	21.71	21.91
		100	0	22.20	21.72	21.80	21.78

Table 93: Conducted power measurement results of LTE Band XXXVIII(Second Antenna)

After Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37775CH	38000CH	38225CH
5MHz	QPSK	1	0	18.20	17.04	17.44	17.32
		1	13	18.20	17.27	17.59	17.80
		1	24	18.20	16.96	17.09	17.43
		12	0	17.20	16.73	17.16	17.17
		12	6	17.20	16.78	17.19	17.15
		12	13	17.20	16.64	16.96	17.15
		25	0	17.20	16.69	17.03	17.02
	16QAM	1	0	17.20	16.38	16.57	16.67
		1	13	17.20	16.62	16.63	17.15
		1	24	17.20	16.30	16.13	16.77
		12	0	16.20	15.74	16.08	16.08
		12	6	16.20	15.79	15.97	16.12
		12	13	16.20	15.66	15.75	16.14
		25	0	16.20	15.66	15.93	16.11
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37800CH	38000CH	38200CH
10MHz	QPSK	1	0	18.20	17.01	17.57	17.37
		1	25	18.20	17.54	17.66	17.60
		1	49	18.20	17.35	17.14	17.56
		25	0	17.20	16.84	17.17	17.14
		25	13	17.20	16.98	17.10	17.11
		25	25	17.20	16.93	16.93	17.13
		50	0	17.20	16.87	17.07	17.13
	16QAM	1	0	17.20	16.00	16.82	16.32
		1	25	17.20	16.54	16.95	16.65
		1	49	17.20	16.23	16.41	16.58
		25	0	16.20	15.66	16.03	16.05
		25	13	16.20	15.81	15.91	16.03
		25	25	16.20	15.81	15.75	16.04
		50	0	16.20	15.73	15.96	16.13

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37825CH	38000CH	38175CH
15MHz	QPSK	1	0	18.20	16.78	17.35	17.04
		1	38	18.20	17.66	17.70	17.73
		1	74	18.20	17.20	17.15	17.39
		36	0	17.20	16.77	17.18	16.90
		36	18	17.20	17.03	17.11	17.16
		36	39	17.20	16.89	16.92	17.12
		75	0	17.20	16.77	17.03	16.99
	16QAM	1	0	17.20	15.93	16.19	16.25
		1	38	17.20	16.74	16.53	16.97
		1	74	17.20	16.33	16.00	16.66
		36	0	16.20	15.62	16.03	15.74
		36	18	16.20	15.96	15.92	16.01
		36	39	16.20	15.82	15.78	15.97
		75	0	16.20	15.67	15.92	15.90
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37850CH	38000CH	38150CH
20MHz	QPSK	1	0	18.20	17.20	17.63	17.57
		1	50	18.20	17.93	17.83	17.77
		1	99	18.20	17.59	17.44	17.69
		50	0	17.20	17.00	17.14	17.05
		50	25	17.20	17.16	17.15	17.09
		50	50	17.20	17.12	17.11	17.13
		100	0	17.20	17.08	17.11	17.14
	16QAM	1	0	17.20	16.35	16.89	16.85
		1	50	17.20	17.01	17.06	17.05
		1	99	17.20	16.72	16.78	17.02
		50	0	16.20	15.83	16.09	15.90
		50	25	16.20	16.04	16.07	15.94
		50	50	16.20	16.09	15.92	16.15
		100	0	16.20	15.99	16.09	15.99

Table 94: Conducted power measurement results of LTE Band XXXVIII(Second Antenna)

After Wi-Fi station function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37775CH	38000CH	38225CH
5MHz	QPSK	1	0	18.20	17.04	17.44	17.32
		1	13	18.20	17.27	17.59	17.80
		1	24	18.20	16.96	17.09	17.43
		12	0	17.20	16.73	17.16	17.17
		12	6	17.20	16.78	17.19	17.15
		12	13	17.20	16.64	16.96	17.15
		25	0	17.20	16.69	17.03	17.02
	16QAM	1	0	17.20	16.38	16.57	16.67
		1	13	17.20	16.62	16.63	17.15
		1	24	17.20	16.30	16.13	16.77
		12	0	16.20	15.74	16.08	16.08
		12	6	16.20	15.79	15.97	16.12
		12	13	16.20	15.66	15.75	16.14
		25	0	16.20	15.66	15.93	16.11
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37800CH	38000CH	38200CH
10MHz	QPSK	1	0	18.20	17.01	17.57	17.37
		1	25	18.20	17.54	17.66	17.60
		1	49	18.20	17.35	17.14	17.56
		25	0	17.20	16.84	17.17	17.14
		25	13	17.20	16.98	17.10	17.11
		25	25	17.20	16.93	16.93	17.13
		50	0	17.20	16.87	17.07	17.13
	16QAM	1	0	17.20	16.00	16.82	16.32
		1	25	17.20	16.54	16.95	16.65
		1	49	17.20	16.23	16.41	16.58
		25	0	16.20	15.66	16.03	16.05
		25	13	16.20	15.81	15.91	16.03
		25	25	16.20	15.81	15.75	16.04
		50	0	16.20	15.73	15.96	16.13

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37825CH	38000CH	38175CH
15MHz	QPSK	1	0	18.20	16.78	17.35	17.04
		1	38	18.20	17.66	17.70	17.73
		1	74	18.20	17.20	17.15	17.39
		36	0	17.20	16.77	17.18	16.90
		36	18	17.20	17.03	17.11	17.16
		36	39	17.20	16.89	16.92	17.12
		75	0	17.20	16.77	17.03	16.99
	16QAM	1	0	17.20	15.93	16.19	16.25
		1	38	17.20	16.74	16.53	16.97
		1	74	17.20	16.33	16.00	16.66
		36	0	16.20	15.62	16.03	15.74
		36	18	16.20	15.96	15.92	16.01
		36	39	16.20	15.82	15.78	15.97
		75	0	16.20	15.67	15.92	15.90
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37850CH	38000CH	38150CH
20MHz	QPSK	1	0	18.20	17.20	17.63	17.57
		1	50	18.20	17.93	17.83	17.77
		1	99	18.20	17.59	17.44	17.69
		50	0	17.20	17.00	17.14	17.05
		50	25	17.20	17.16	17.15	17.09
		50	50	17.20	17.12	17.11	17.13
		100	0	17.20	17.08	17.11	17.14
	16QAM	1	0	17.20	16.35	16.89	16.85
		1	50	17.20	17.01	17.06	17.05
		1	99	17.20	16.72	16.78	17.02
		50	0	16.20	15.83	16.09	15.90
		50	25	16.20	16.04	16.07	15.94
		50	50	16.20	16.09	15.92	16.15
		100	0	16.20	15.99	16.09	15.99

Table 95: Conducted power measurement results of LTE Band XXXVIII(Second Antenna)

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37775CH	38000CH	38225CH
5MHz	QPSK	1	0	18.00	17.18	17.16	17.05
		1	13	18.00	17.27	17.24	17.52
		1	24	18.00	16.79	16.77	17.16
		12	0	17.00	16.87	16.86	16.88
		12	6	17.00	16.82	16.81	16.92
		12	13	17.00	16.60	16.59	16.94
		25	0	17.00	16.69	16.68	16.93
	16QAM	1	0	17.00	15.71	15.96	15.84
		1	13	17.00	15.95	16.07	16.38
		1	24	17.00	15.60	15.60	15.98
		12	0	16.00	15.43	15.81	15.79
		12	6	16.00	15.48	15.75	15.94
		12	13	16.00	15.35	15.55	15.89
		25	0	16.00	15.38	15.60	15.82
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37800CH	38000CH	38200CH
10MHz	QPSK	1	0	18.00	16.85	17.24	17.10
		1	25	18.00	17.30	17.33	17.28
		1	49	18.00	17.01	16.83	17.27
		25	0	17.00	16.58	16.84	16.85
		25	13	17.00	16.69	16.79	16.84
		25	25	17.00	16.62	16.62	16.87
		50	0	17.00	16.64	16.75	16.97
	16QAM	1	0	17.00	15.70	15.91	15.78
		1	25	17.00	16.21	16.01	16.08
		1	49	17.00	15.85	15.56	15.98
		25	0	16.00	15.41	15.67	15.78
		25	13	16.00	15.55	15.66	15.76
		25	25	16.00	15.53	15.52	15.76
		50	0	16.00	15.46	15.63	15.88

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37825CH	38000CH	38175CH
15MHz	QPSK	1	0	18.00	16.58	16.98	16.77
		1	38	18.00	17.35	17.34	17.44
		1	74	18.00	16.89	16.83	17.11
		36	0	17.00	16.53	16.83	16.63
		36	18	17.00	16.76	16.78	16.88
		36	39	17.00	16.65	16.60	16.86
		75	0	17.00	16.57	16.69	16.72
	16QAM	1	0	17.00	15.32	15.71	15.73
		1	38	17.00	15.95	16.15	16.39
		1	74	17.00	15.60	15.64	16.11
		36	0	16.00	15.37	15.71	15.52
		36	18	16.00	15.64	15.66	15.79
		36	39	16.00	15.52	15.47	15.74
		75	0	16.00	15.44	15.59	15.63
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37850CH	38000CH	38150CH
20MHz	QPSK	1	0	18.00	16.93	17.31	17.18
		1	50	18.00	17.57	17.48	17.48
		1	99	18.00	17.19	17.09	17.37
		50	0	17.00	16.72	16.96	16.76
		50	25	17.00	16.97	16.92	16.82
		50	50	17.00	16.96	16.79	16.94
		100	0	17.00	16.81	16.88	16.85
	16QAM	1	0	17.00	16.01	16.34	16.38
		1	50	17.00	16.60	16.57	16.67
		1	99	17.00	16.25	16.22	16.60
		50	0	16.00	15.58	15.85	15.65
		50	25	16.00	15.75	15.78	15.71
		50	50	16.00	15.77	15.65	15.92
		100	0	16.00	15.72	15.78	15.75

Table 96: Conducted power measurement results of LTE Band XXXVIII(Second Antenna)

After Wi-Fi Hotspot function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37775CH	38000CH	38225CH
5MHz	QPSK	1	0	19.20	17.85	18.19	18.15
		1	13	19.20	18.08	18.24	18.55
		1	24	19.20	17.72	17.79	18.18
		12	0	18.20	17.59	17.90	17.91
		12	6	18.20	17.61	17.84	17.98
		12	13	18.20	17.46	17.62	17.90
		25	0	18.20	17.54	17.72	17.92
	16QAM	1	0	18.20	16.74	16.97	16.90
		1	13	18.20	16.97	17.16	17.36
		1	24	18.20	16.63	16.71	17.02
		12	0	17.20	16.43	16.81	16.81
		12	6	17.20	16.45	16.74	16.93
		12	13	17.20	16.30	16.52	16.84
		25	0	17.20	16.39	16.62	16.85
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37800CH	38000CH	38200CH
10MHz	QPSK	1	0	19.20	17.83	18.23	18.17
		1	25	19.20	18.23	18.36	18.35
		1	49	19.20	17.90	17.90	18.32
		25	0	18.20	17.56	17.85	17.86
		25	13	18.20	17.65	17.80	17.83
		25	25	18.20	17.58	17.64	17.85
		50	0	18.20	17.56	17.75	17.96
	16QAM	1	0	18.20	16.64	16.80	16.91
		1	25	18.20	17.02	17.01	16.98
		1	49	18.20	16.71	16.58	17.07
		25	0	17.20	16.44	16.68	16.78
		25	13	17.20	16.53	16.69	16.75
		25	25	17.20	16.47	16.55	16.78
		50	0	17.20	16.44	16.70	16.92

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37825CH	38000CH	38175CH
15MHz	QPSK	1	0	19.20	17.61	18.00	17.86
		1	38	19.20	18.22	18.32	18.42
		1	74	19.20	17.82	17.87	18.13
		36	0	18.20	17.49	17.82	17.65
		36	18	18.20	17.70	17.78	17.85
		36	39	18.20	17.56	17.61	17.81
		75	0	18.20	17.47	17.69	17.72
	16QAM	1	0	18.20	16.36	16.80	16.60
		1	38	18.20	17.18	17.28	17.34
		1	74	18.20	16.63	16.66	16.90
		36	0	17.20	16.38	16.74	16.56
		36	18	17.20	16.60	16.71	16.77
		36	39	17.20	16.49	16.53	16.74
		75	0	17.20	16.37	16.61	16.63
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37850CH	38000CH	38150CH
20MHz	QPSK	1	0	19.20	17.96	18.31	18.27
		1	50	19.20	18.45	18.51	18.48
		1	99	19.20	18.20	18.11	18.37
		50	0	18.20	17.69	17.94	17.80
		50	25	18.20	17.80	17.93	17.83
		50	50	18.20	17.85	17.83	17.95
		100	0	18.20	17.80	17.89	17.86
	16QAM	1	0	18.20	17.07	17.37	17.33
		1	50	18.20	17.64	17.64	17.57
		1	99	18.20	17.33	17.20	17.38
		50	0	17.20	16.56	16.90	16.69
		50	25	17.20	16.67	16.85	16.73
		50	50	17.20	16.79	16.73	16.94
		100	0	17.20	16.68	16.83	16.79

Table 97: Conducted power measurement results of LTE Band XXXVIII(Second Antenna)

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37775CH	38000CH	38225CH
5MHz	QPSK	1	0	18.00	17.18	17.16	17.05
		1	13	18.00	17.27	17.24	17.52
		1	24	18.00	16.79	16.77	17.16
		12	0	17.00	16.87	16.86	16.88
		12	6	17.00	16.82	16.81	16.92
		12	13	17.00	16.60	16.59	16.94
		25	0	17.00	16.69	16.68	16.93
	16QAM	1	0	17.00	15.71	15.96	15.84
		1	13	17.00	15.95	16.07	16.38
		1	24	17.00	15.60	15.60	15.98
		12	0	16.00	15.43	15.81	15.79
		12	6	16.00	15.48	15.75	15.94
		12	13	16.00	15.35	15.55	15.89
		25	0	16.00	15.38	15.60	15.82
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37800CH	38000CH	38200CH
10MHz	QPSK	1	0	18.00	16.85	17.24	17.10
		1	25	18.00	17.30	17.33	17.28
		1	49	18.00	17.01	16.83	17.27
		25	0	17.00	16.58	16.84	16.85
		25	13	17.00	16.69	16.79	16.84
		25	25	17.00	16.62	16.62	16.87
		50	0	17.00	16.64	16.75	16.97
	16QAM	1	0	17.00	15.70	15.91	15.78
		1	25	17.00	16.21	16.01	16.08
		1	49	17.00	15.85	15.56	15.98
		25	0	16.00	15.41	15.67	15.78
		25	13	16.00	15.55	15.66	15.76
		25	25	16.00	15.53	15.52	15.76
		50	0	16.00	15.46	15.63	15.88

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37825CH	38000CH	38175CH
15MHz	QPSK	1	0	18.00	16.58	16.98	16.77
		1	38	18.00	17.35	17.34	17.44
		1	74	18.00	16.89	16.83	17.11
		36	0	17.00	16.53	16.83	16.63
		36	18	17.00	16.76	16.78	16.88
		36	39	17.00	16.65	16.60	16.86
		75	0	17.00	16.57	16.69	16.72
	16QAM	1	0	17.00	15.32	15.71	15.73
		1	38	17.00	15.95	16.15	16.39
		1	74	17.00	15.60	15.64	16.11
		36	0	16.00	15.37	15.71	15.52
		36	18	16.00	15.64	15.66	15.79
		36	39	16.00	15.52	15.47	15.74
		75	0	16.00	15.44	15.59	15.63
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37850CH	38000CH	38150CH
20MHz	QPSK	1	0	18.00	16.93	17.31	17.18
		1	50	18.00	17.57	17.48	17.48
		1	99	18.00	17.19	17.09	17.37
		50	0	17.00	16.72	16.96	16.76
		50	25	17.00	16.97	16.92	16.82
		50	50	17.00	16.96	16.79	16.94
		100	0	17.00	16.81	16.88	16.85
	16QAM	1	0	17.00	16.01	16.34	16.38
		1	50	17.00	16.60	16.57	16.67
		1	99	17.00	16.25	16.22	16.60
		50	0	16.00	15.58	15.85	15.65
		50	25	16.00	15.75	15.78	15.71
		50	50	16.00	15.77	15.65	15.92
		100	0	16.00	15.72	15.78	15.75

Table 98: Conducted power measurement results of LTE Band XXXVIII(Second Antenna)

7.1.16 Conducted power measurements of LTE Band XLI(Second Antenna)

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40265CH	40740CH	41215CH
5MHz	QPSK	1	0	24.0	22.45	22.37	22.49
		1	13	24.0	22.55	22.43	22.55
		1	24	24.0	22.13	22.02	22.26
		12	0	23.0	22.10	21.85	22.15
		12	6	23.0	22.11	21.81	22.14
		12	13	23.0	21.91	21.62	21.93
		25	0	23.0	22.01	21.76	22.01
	16QAM	1	0	23.0	21.65	21.17	21.61
		1	13	23.0	21.67	21.21	21.64
		1	24	23.0	21.30	21.09	21.31
		12	0	22.0	21.52	21.35	21.63
		12	6	22.0	21.53	21.33	21.60
		12	13	22.0	21.32	21.12	21.41
		25	0	22.0	21.39	21.24	21.50
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40290CH	40740CH	41190CH
10MHz	QPSK	1	0	22.38	22.12	22.35	22.38
		1	25	22.62	22.36	22.60	22.62
		1	49	22.29	22.08	22.27	22.29
		25	0	22.14	21.77	22.10	22.14
		25	13	22.13	21.80	22.11	22.13
		25	25	21.97	21.70	21.92	21.97
		50	0	22.05	21.75	22.01	22.05
	16QAM	1	0	21.52	21.16	21.49	21.52
		1	25	21.70	21.38	21.65	21.70
		1	49	21.35	21.05	21.32	21.35
		25	0	21.40	21.70	21.55	21.40
		25	13	21.48	21.78	21.56	21.48
		25	25	21.34	21.69	21.39	21.34
		50	0	21.39	21.72	21.48	21.39

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40315CH	40740CH	41165CH
15MHz	QPSK	1	0	24.0	22.25	22.04	22.21
		1	38	24.0	22.68	22.23	22.68
		1	74	24.0	22.23	22.07	22.11
		36	0	23.0	22.05	21.70	21.96
		36	18	23.0	22.15	21.76	22.07
		36	39	23.0	21.95	21.70	21.87
		75	0	23.0	21.99	21.67	21.93
	16QAM	1	0	23.0	21.31	21.04	21.28
		1	38	23.0	21.69	21.08	21.63
		1	74	23.0	21.22	21.05	21.08
		36	0	22.0	21.37	21.14	21.51
		36	18	22.0	21.48	21.23	21.69
		36	39	22.0	21.30	21.10	21.45
		75	0	22.0	21.33	21.12	21.44
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40340CH	40740CH	41140CH
20MHz	QPSK	1	0	24.0	22.69	22.46	22.59
		1	50	24.0	22.97	22.72	22.82
		1	99	24.0	22.56	22.30	22.50
		50	0	23.0	22.42	22.07	22.41
		50	25	23.0	22.45	22.16	22.42
		50	50	23.0	22.21	22.07	22.19
		100	0	23.0	22.33	22.08	22.28
	16QAM	1	0	23.0	21.75	21.57	21.85
		1	50	23.0	22.09	21.86	22.06
		1	99	23.0	21.62	21.45	21.66
		50	0	22.0	21.78	21.53	21.85
		50	25	22.0	21.79	21.59	21.87
		50	50	22.0	21.60	21.45	21.67
		100	0	22.0	21.65	21.56	21.74

Table 99: Conducted power measurement results of LTE Band XLI(Second Antenna)

After Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40265CH	40740CH	41215CH
5MHz	QPSK	1	0	17.0	15.82	15.51	15.93
		1	13	17.0	15.99	15.68	16.04
		1	24	17.0	15.55	15.26	15.74
		12	0	16.0	15.48	15.14	15.55
		12	6	16.0	15.51	15.13	15.45
		12	13	16.0	15.31	14.96	15.36
		25	0	16.0	15.37	15.06	15.44
	16QAM	1	0	16.0	14.81	14.19	14.99
		1	13	16.0	14.92	14.51	15.13
		1	24	16.0	14.53	14.13	14.74
		12	0	15.0	13.82	13.59	13.96
		12	6	15.0	13.81	13.60	13.92
		12	13	15.0	13.61	13.41	13.72
		25	0	15.0	13.68	13.47	13.83
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40290CH	40740CH	41190CH
10MHz	QPSK	1	0	17.0	15.74	15.42	15.69
		1	25	17.0	16.09	15.73	15.98
		1	49	17.0	15.63	15.35	15.70
		25	0	16.0	15.45	15.08	15.47
		25	13	16.0	15.46	15.13	15.49
		25	25	16.0	15.32	15.02	15.36
		50	0	16.0	15.34	15.04	15.39
	16QAM	1	0	16.0	14.66	14.16	14.85
		1	25	16.0	14.76	14.58	15.13
		1	49	16.0	14.46	14.16	14.77
		25	0	15.0	13.85	13.52	13.90
		25	13	15.0	13.82	13.56	13.92
		25	25	15.0	13.67	13.41	13.81
		50	0	15.0	13.71	13.46	13.82

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40315CH	40740CH	41165CH
15MHz	QPSK	1	0	17.0	15.49	15.29	15.60
		1	38	17.0	15.94	15.80	15.96
		1	74	17.0	15.44	15.35	15.62
		36	0	16.0	15.31	15.10	15.42
		36	18	16.0	15.42	15.17	15.52
		36	39	16.0	15.26	15.09	15.37
		75	0	16.0	15.24	15.06	15.38
	16QAM	1	0	16.0	14.27	14.24	14.81
		1	38	16.0	14.58	14.77	15.20
		1	74	16.0	14.01	14.21	14.71
		36	0	15.0	13.72	13.56	13.87
		36	18	15.0	13.81	13.52	13.97
		36	39	15.0	13.70	13.43	13.82
		75	0	15.0	13.64	13.41	13.79
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40340CH	40740CH	41140CH
20MHz	QPSK	1	0	17.0	15.83	15.50	15.99
		1	50	17.0	16.16	15.92	16.21
		1	99	17.0	15.67	15.64	15.90
		50	0	16.0	15.54	15.23	15.73
		50	25	16.0	15.56	15.31	15.68
		50	50	16.0	15.37	15.26	15.58
		100	0	16.0	15.43	15.23	15.55
	16QAM	1	0	16.0	14.77	14.73	15.07
		1	50	16.0	14.91	15.08	15.36
		1	99	16.0	14.61	14.72	15.02
		50	0	15.0	13.93	13.64	14.11
		50	25	15.0	13.92	13.73	14.12
		50	50	15.0	13.74	13.62	14.02
		100	0	15.0	13.84	13.65	13.99

Table 100: Conducted power measurement results of LTE Band XLI(Second Antenna)

After Wi-Fi station function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40265CH	40740CH	41215CH
5MHz	QPSK	1	0	17.0	15.82	15.51	15.93
		1	13	17.0	15.99	15.68	16.04
		1	24	17.0	15.55	15.26	15.74
		12	0	16.0	15.48	15.14	15.55
		12	6	16.0	15.51	15.13	15.45
		12	13	16.0	15.31	14.96	15.36
		25	0	16.0	15.37	15.06	15.44
	16QAM	1	0	16.0	14.81	14.19	14.99
		1	13	16.0	14.92	14.51	15.13
		1	24	16.0	14.53	14.13	14.74
		12	0	15.0	13.82	13.59	13.96
		12	6	15.0	13.81	13.60	13.92
		12	13	15.0	13.61	13.41	13.72
		25	0	15.0	13.68	13.47	13.83
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40290CH	40740CH	41190CH
10MHz	QPSK	1	0	17.0	15.74	15.42	15.69
		1	25	17.0	16.09	15.73	15.98
		1	49	17.0	15.63	15.35	15.70
		25	0	16.0	15.45	15.08	15.47
		25	13	16.0	15.46	15.13	15.49
		25	25	16.0	15.32	15.02	15.36
		50	0	16.0	15.34	15.04	15.39
	16QAM	1	0	16.0	14.66	14.16	14.85
		1	25	16.0	14.76	14.58	15.13
		1	49	16.0	14.46	14.16	14.77
		25	0	15.0	13.85	13.52	13.90
		25	13	15.0	13.82	13.56	13.92
		25	25	15.0	13.67	13.41	13.81
		50	0	15.0	13.71	13.46	13.82

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40315CH	40740CH	41165CH
15MHz	QPSK	1	0	17.0	15.49	15.29	15.60
		1	38	17.0	15.94	15.80	15.96
		1	74	17.0	15.44	15.35	15.62
		36	0	16.0	15.31	15.10	15.42
		36	18	16.0	15.42	15.17	15.52
		36	39	16.0	15.26	15.09	15.37
		75	0	16.0	15.24	15.06	15.38
	16QAM	1	0	16.0	14.27	14.24	14.81
		1	38	16.0	14.58	14.77	15.20
		1	74	16.0	14.01	14.21	14.71
		36	0	15.0	13.72	13.56	13.87
		36	18	15.0	13.81	13.52	13.97
		36	39	15.0	13.70	13.43	13.82
		75	0	15.0	13.64	13.41	13.79
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40340CH	40740CH	41140CH
20MHz	QPSK	1	0	17.0	15.83	15.50	15.99
		1	50	17.0	16.16	15.92	16.21
		1	99	17.0	15.67	15.64	15.90
		50	0	16.0	15.54	15.23	15.73
		50	25	16.0	15.56	15.31	15.68
		50	50	16.0	15.37	15.26	15.58
		100	0	16.0	15.43	15.23	15.55
	16QAM	1	0	16.0	14.77	14.73	15.07
		1	50	16.0	14.91	15.08	15.36
		1	99	16.0	14.61	14.72	15.02
		50	0	15.0	13.93	13.64	14.11
		50	25	15.0	13.92	13.73	14.12
		50	50	15.0	13.74	13.62	14.02
		100	0	15.0	13.84	13.65	13.99

Table 101: Conducted power measurement results of LTE Band XLI(Second Antenna)

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40265CH	40740CH	41215CH
5MHz	QPSK	1	0	17.0	15.82	15.51	15.93
		1	13	17.0	15.99	15.68	16.04
		1	24	17.0	15.55	15.26	15.74
		12	0	16.0	15.48	15.14	15.55
		12	6	16.0	15.51	15.13	15.45
		12	13	16.0	15.31	14.96	15.36
		25	0	16.0	15.37	15.06	15.44
	16QAM	1	0	16.0	14.81	14.19	14.99
		1	13	16.0	14.92	14.51	15.13
		1	24	16.0	14.53	14.13	14.74
		12	0	15.0	13.82	13.59	13.96
		12	6	15.0	13.81	13.60	13.92
		12	13	15.0	13.61	13.41	13.72
		25	0	15.0	13.68	13.47	13.83
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40290CH	40740CH	41190CH
10MHz	QPSK	1	0	17.0	15.74	15.42	15.69
		1	25	17.0	16.09	15.73	15.98
		1	49	17.0	15.63	15.35	15.70
		25	0	16.0	15.45	15.08	15.47
		25	13	16.0	15.46	15.13	15.49
		25	25	16.0	15.32	15.02	15.36
		50	0	16.0	15.34	15.04	15.39
	16QAM	1	0	16.0	14.66	14.16	14.85
		1	25	16.0	14.76	14.58	15.13
		1	49	16.0	14.46	14.16	14.77
		25	0	15.0	13.85	13.52	13.90
		25	13	15.0	13.82	13.56	13.92
		25	25	15.0	13.67	13.41	13.81
		50	0	15.0	13.71	13.46	13.82

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40315CH	40740CH	41165CH
15MHz	QPSK	1	0	17.0	15.49	15.29	15.60
		1	38	17.0	15.94	15.80	15.96
		1	74	17.0	15.44	15.35	15.62
		36	0	16.0	15.31	15.10	15.42
		36	18	16.0	15.42	15.17	15.52
		36	39	16.0	15.26	15.09	15.37
		75	0	16.0	15.24	15.06	15.38
	16QAM	1	0	16.0	14.27	14.24	14.81
		1	38	16.0	14.58	14.77	15.20
		1	74	16.0	14.01	14.21	14.71
		36	0	15.0	13.72	13.56	13.87
		36	18	15.0	13.81	13.52	13.97
		36	39	15.0	13.70	13.43	13.82
		75	0	15.0	13.64	13.41	13.79
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40340CH	40740CH	41140CH
20MHz	QPSK	1	0	17.0	15.83	15.50	15.99
		1	50	17.0	16.16	15.92	16.21
		1	99	17.0	15.67	15.64	15.90
		50	0	16.0	15.54	15.23	15.73
		50	25	16.0	15.56	15.31	15.68
		50	50	16.0	15.37	15.26	15.58
		100	0	16.0	15.43	15.23	15.55
	16QAM	1	0	16.0	14.77	14.73	15.07
		1	50	16.0	14.91	15.08	15.36
		1	99	16.0	14.61	14.72	15.02
		50	0	15.0	13.93	13.64	14.11
		50	25	15.0	13.92	13.73	14.12
		50	50	15.0	13.74	13.62	14.02
		100	0	15.0	13.84	13.65	13.99

Table 102: Conducted power measurement results of LTE Band XLI(Second Antenna)

After Wi-Fi Hotspot function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40265CH	40740CH	41215CH
5MHz	QPSK	1	0	19.5	18.38	18.01	18.51
		1	13	19.5	18.48	18.23	18.68
		1	24	19.5	18.04	17.76	18.31
		12	0	18.5	18.02	17.59	18.10
		12	6	18.5	18.03	17.66	18.09
		12	13	18.5	17.82	17.50	17.90
		25	0	18.5	17.90	17.60	17.97
	16QAM	1	0	18.5	17.43	16.96	17.48
		1	13	18.5	17.61	17.09	17.37
		1	24	18.5	17.10	16.71	17.11
		12	0	17.5	16.41	16.10	16.46
		12	6	17.5	16.42	16.10	16.48
		12	13	17.5	16.22	15.85	16.27
		25	0	17.5	16.26	15.98	16.35
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40290CH	40740CH	41190CH
10MHz	QPSK	1	0	19.5	18.28	17.89	18.46
		1	25	19.5	18.52	18.19	18.67
		1	49	19.5	18.14	17.84	18.33
		25	0	18.5	17.95	17.59	18.01
		25	13	18.5	17.88	17.62	18.04
		25	25	18.5	17.80	17.47	17.86
		50	0	18.5	17.85	17.54	17.91
	16QAM	1	0	18.5	17.32	16.98	17.42
		1	25	18.5	17.65	17.19	17.60
		1	49	18.5	17.23	16.88	17.24
		25	0	17.5	16.39	16.03	16.42
		25	13	17.5	16.39	16.06	16.40
		25	25	17.5	16.22	15.90	16.30
		50	0	17.5	16.29	15.95	16.33

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40315CH	40740CH	41165CH
15MHz	QPSK	1	0	19.5	17.94	17.69	18.31
		1	38	19.5	18.51	18.18	18.69
		1	74	19.5	18.03	17.65	18.22
		36	0	18.5	17.88	17.49	17.96
		36	18	18.5	17.98	17.59	18.05
		36	39	18.5	17.84	17.46	17.91
		75	0	18.5	17.76	17.49	17.90
	16QAM	1	0	18.5	16.83	16.58	17.22
		1	38	18.5	17.23	16.92	17.43
		1	74	18.5	16.71	16.51	17.05
		36	0	17.5	16.31	16.04	16.41
		36	18	17.5	16.37	15.96	16.48
		36	39	17.5	16.18	15.91	16.34
		75	0	17.5	16.21	15.90	16.32
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40340CH	40740CH	41140CH
20MHz	QPSK	1	0	19.5	18.57	18.30	18.72
		1	50	19.5	18.81	18.56	18.99
		1	99	19.5	18.35	18.25	18.67
		50	0	18.5	18.26	17.89	18.33
		50	25	18.5	18.27	17.94	18.34
		50	50	18.5	18.07	17.88	18.16
		100	0	18.5	18.17	17.87	18.24
	16QAM	1	0	18.5	17.77	17.52	17.76
		1	50	18.5	18.00	17.78	17.89
		1	99	18.5	17.59	17.42	17.56
		50	0	17.5	16.64	16.34	16.77
		50	25	17.5	16.65	16.41	16.75
		50	50	17.5	16.45	16.24	16.55
		100	0	17.5	16.58	16.36	16.56

Table 103: Conducted power measurement results of LTE Band XLI(Second Antenna)

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40265CH	40740CH	41215CH
5MHz	QPSK	1	0	17.0	15.82	15.51	15.93
		1	13	17.0	15.99	15.68	16.04
		1	24	17.0	15.55	15.26	15.74
		12	0	16.0	15.48	15.14	15.55
		12	6	16.0	15.51	15.13	15.45
		12	13	16.0	15.31	14.96	15.36
		25	0	16.0	15.37	15.06	15.44
	16QAM	1	0	16.0	14.81	14.19	14.99
		1	13	16.0	14.92	14.51	15.13
		1	24	16.0	14.53	14.13	14.74
		12	0	15.0	13.82	13.59	13.96
		12	6	15.0	13.81	13.60	13.92
		12	13	15.0	13.61	13.41	13.72
		25	0	15.0	13.68	13.47	13.83
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40290CH	40740CH	41190CH
10MHz	QPSK	1	0	17.0	15.74	15.42	15.69
		1	25	17.0	16.09	15.73	15.98
		1	49	17.0	15.63	15.35	15.70
		25	0	16.0	15.45	15.08	15.47
		25	13	16.0	15.46	15.13	15.49
		25	25	16.0	15.32	15.02	15.36
		50	0	16.0	15.34	15.04	15.39
	16QAM	1	0	16.0	14.66	14.16	14.85
		1	25	16.0	14.76	14.58	15.13
		1	49	16.0	14.46	14.16	14.77
		25	0	15.0	13.85	13.52	13.90
		25	13	15.0	13.82	13.56	13.92
		25	25	15.0	13.67	13.41	13.81
		50	0	15.0	13.71	13.46	13.82

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40315CH	40740CH	41165CH
15MHz	QPSK	1	0	17.0	15.49	15.29	15.60
		1	38	17.0	15.94	15.80	15.96
		1	74	17.0	15.44	15.35	15.62
		36	0	16.0	15.31	15.10	15.42
		36	18	16.0	15.42	15.17	15.52
		36	39	16.0	15.26	15.09	15.37
		75	0	16.0	15.24	15.06	15.38
	16QAM	1	0	16.0	14.27	14.24	14.81
		1	38	16.0	14.58	14.77	15.20
		1	74	16.0	14.01	14.21	14.71
		36	0	15.0	13.72	13.56	13.87
		36	18	15.0	13.81	13.52	13.97
		36	39	15.0	13.70	13.43	13.82
		75	0	15.0	13.64	13.41	13.79
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40340CH	40740CH	41140CH
20MHz	QPSK	1	0	17.0	15.83	15.50	15.99
		1	50	17.0	16.16	15.92	16.21
		1	99	17.0	15.67	15.64	15.90
		50	0	16.0	15.54	15.23	15.73
		50	25	16.0	15.56	15.31	15.68
		50	50	16.0	15.37	15.26	15.58
		100	0	16.0	15.43	15.23	15.55
	16QAM	1	0	16.0	14.77	14.73	15.07
		1	50	16.0	14.91	15.08	15.36
		1	99	16.0	14.61	14.72	15.02
		50	0	15.0	13.93	13.64	14.11
		50	25	15.0	13.92	13.73	14.12
		50	50	15.0	13.74	13.62	14.02
		100	0	15.0	13.84	13.65	13.99

Table 104: Conducted power measurement results of LTE Band XLI(Second Antenna)

7.1.17 Conducted power measurements of GSM850(Main Antenna and Modem1)

Full Power:

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	128CH	190CH	251CH		Tune-up	128CH	190CH	251CH
GSM (CS)		33.50	33.07	33.08	33.09	-9.19	24.31	23.88	23.89	23.90
GPRS/ EDGE (GMSK)	1 Tx Slot	33.50	32.99	33.09	33.08	-9.19	24.31	23.80	23.90	23.89
	2 Tx Slots	31.50	30.92	30.97	30.98	-6.13	25.37	24.79	24.84	24.85
	3 Tx Slots	29.50	28.88	28.98	28.99	-4.42	25.08	24.46	24.56	24.57
	4 Tx Slots	28.00	26.97	26.89	26.77	-3.18	24.82	23.79	23.71	23.59
EDGE (8PSK)	1 Tx Slot	27.00	25.52	25.80	26.01	-9.19	17.81	16.33	16.61	16.82
	2 Tx Slots	25.00	23.70	23.97	24.17	-6.13	18.87	17.57	17.84	18.04
	3 Tx Slots	23.00	22.15	22.42	22.58	-4.42	18.58	17.73	18.00	18.16
	4 Tx Slots	21.50	20.78	20.95	20.97	-3.18	18.32	17.60	17.77	17.79

Table 105: Conducted power measurement results of GSM850(Main Antenna)

Note:

- 1) The conducted power of GSM850 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

7.1.18 Conducted power measurements of GSM850(Main Antenna and Modem2)

Full Power:

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	128CH	190CH	251CH		Tune-up	128CH	190CH	251CH
GSM (CS)		33.50	32.48	32.65	32.70	-9.19	24.31	23.29	23.46	23.51
GPRS/EDGE (GMSK)	1 Tx Slot	33.50	32.47	32.64	32.68	-9.19	24.31	23.28	23.45	23.49
	2 Tx Slots	31.50	29.93	30.05	30.04	-6.13	25.37	23.80	23.92	23.91
	3 Tx Slots	29.50	27.76	27.73	27.66	-4.42	25.08	23.34	23.31	23.24
	4 Tx Slots	27.50	25.53	25.56	25.54	-3.18	24.32	22.35	22.38	22.36
EDGE (8PSK)	1 Tx Slot	27.00	26.36	26.46	26.43	-9.19	17.81	17.17	17.27	17.24
	2 Tx Slots	25.00	23.94	24.13	24.08	-6.13	18.87	17.81	18.00	17.95
	3 Tx Slots	23.00	21.83	21.99	21.92	-4.42	18.58	17.41	17.57	17.50
	4 Tx Slots	21.00	19.59	19.88	19.63	-3.18	17.82	16.41	16.70	16.45

Table 106: Conducted power measurement results of GSM850(Main Antenna)

Note:

- 1) The conducted power of GSM850 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Synchronous transmission with Modem1:

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	128CH	190CH	251CH		Tune-up	128CH	190CH	251CH
GSM (CS)		31.00	29.95	30.35	29.99	-9.19	21.81	20.76	21.16	20.80
GPRS/ EDGE (GMSK)	1 Tx Slot	31.00	29.93	30.34	29.97	-9.19	21.81	20.74	21.15	20.78
	2 Tx Slots	29.00	27.54	27.65	27.60	-6.13	22.87	21.41	21.52	21.47
	3 Tx Slots	27.00	25.41	25.46	25.37	-4.42	22.58	20.99	21.04	20.95
	4 Tx Slots	25.00	23.02	23.04	23.01	-3.18	21.82	19.84	19.86	19.83
EDGE (8PSK)	1 Tx Slot	27.00	26.37	26.48	26.33	-9.19	17.81	17.18	17.29	17.14
	2 Tx Slots	25.00	23.97	24.15	24.05	-6.13	18.87	17.84	18.02	17.92
	3 Tx Slots	23.00	22.15	22.22	22.18	-4.42	18.58	17.73	17.80	17.76
	4 Tx Slots	21.00	20.26	20.37	20.36	-3.18	17.82	17.08	17.19	17.18

Table 107: Conducted power measurement results of GSM850(Main Antenna)

Note:

- 1) The conducted power of GSM850 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

7.1.19 Conducted power measurements of GSM1900(Main Antenna and Modem 1)

Full Power:

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	512CH	661CH	810CH		Tune-up	512CH	661CH	810CH
GSM (CS)		30.50	30.28	30.44	30.49	-9.19	21.31	21.09	21.25	21.30
GPRS/EDGE (GMSK)	1 Tx Slot	30.50	30.11	30.28	30.29	-9.19	21.31	20.92	21.09	21.10
	2 Tx Slots	28.50	28.25	28.35	28.36	-6.13	22.37	22.12	22.22	22.23
	3 Tx Slots	26.50	26.01	26.18	26.20	-4.42	22.08	21.59	21.76	21.78
	4 Tx Slots	24.50	22.63	22.83	22.79	-3.18	21.32	19.45	19.65	19.61
EDGE (8PSK)	1 Tx Slot	26.50	25.87	25.96	25.77	-9.19	17.31	16.68	16.77	16.58
	2 Tx Slots	24.50	22.96	23.14	23.17	-6.13	18.37	16.83	17.01	17.04
	3 Tx Slots	22.50	20.72	20.79	20.71	-4.42	18.08	16.30	16.37	16.29
	4 Tx Slots	20.50	18.81	18.96	18.87	-3.18	17.32	15.63	15.78	15.69

Table 108: Conducted power measurement results of GSM1900(Main Antenna)

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	512CH	661CH	810CH		Tune-up	512CH	661CH	810CH
GSM (CS)		29.00	28.39	28.57	28.62	-9.19	19.81	19.20	19.38	19.43
GPRS/EDGE (GMSK)	1 Tx Slot	29.00	28.42	28.60	28.65	-9.19	19.81	19.23	19.41	19.46
	2 Tx Slots	27.00	26.35	26.54	26.55	-6.13	20.87	20.22	20.41	20.42
	3 Tx Slots	25.00	24.35	24.54	24.58	-4.42	20.58	19.93	20.12	20.16
	4 Tx Slots	23.00	22.15	22.27	22.25	-3.18	19.82	18.97	19.09	19.07
EDGE (8PSK)	1 Tx Slot	26.50	24.56	24.77	24.56	-9.19	17.31	15.37	15.58	15.37
	2 Tx Slots	24.50	22.71	22.91	22.86	-6.13	18.37	16.58	16.78	16.73
	3 Tx Slots	22.50	21.15	21.33	21.15	-4.42	18.08	16.73	16.91	16.73
	4 Tx Slots	20.50	19.51	19.72	19.58	-3.18	17.32	16.33	16.54	16.40

Table 109: Conducted power measurement results of GSM1900(Main Antenna)

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	512CH	661CH	810CH		Tune-up	512CH	661CH	810CH
GSM (CS)		29.00	28.39	28.57	28.62	-9.19	19.81	19.20	19.38	19.43
GPRS/ EDGE (GMSK)	1 Tx Slot	29.00	28.42	28.60	28.65	-9.19	19.81	19.23	19.41	19.46
	2 Tx Slots	27.00	26.35	26.54	26.55	-6.13	20.87	20.22	20.41	20.42
	3 Tx Slots	25.00	24.35	24.54	24.58	-4.42	20.58	19.93	20.12	20.16
	4 Tx Slots	23.00	22.15	22.27	22.25	-3.18	19.82	18.97	19.09	19.07
EDGE (8PSK)	1 Tx Slot	26.50	24.56	24.77	24.56	-9.19	17.31	15.37	15.58	15.37
	2 Tx Slots	24.50	22.71	22.91	22.86	-6.13	18.37	16.58	16.78	16.73
	3 Tx Slots	22.50	21.15	21.33	21.15	-4.42	18.08	16.73	16.91	16.73
	4 Tx Slots	20.50	19.51	19.72	19.58	-3.18	17.32	16.33	16.54	16.40

Table 110: Conducted power measurement results of GSM1900(Main Antenna)

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

7.1.20 Conducted power measurements of GSM1900(Main Antenna and Modem2)

Full Power:

GSM1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	512CH	661CH	810CH		Tune-up	512CH	661CH	810CH
GSM (CS)		30.50	29.87	29.68	29.76	-9.19	21.31	20.68	20.49	20.57
GPRS/EDGE (GMSK)	1 Tx Slot	30.50	29.87	29.66	29.75	-9.19	21.31	20.68	20.47	20.56
	2 Tx Slots	28.50	27.84	27.78	27.94	-6.13	22.37	21.71	21.65	21.81
	3 Tx Slots	26.50	25.82	25.61	25.65	-4.42	22.08	21.40	21.19	21.23
	4 Tx Slots	24.50	23.63	23.45	23.44	-3.18	21.32	20.45	20.27	20.26
EDGE (8PSK)	1 Tx Slot	26.50	25.76	25.63	25.65	-9.19	17.31	16.57	16.44	16.46
	2 Tx Slots	24.50	23.42	23.43	23.54	-6.13	18.37	17.29	17.30	17.41
	3 Tx Slots	22.50	20.83	20.80	21.16	-4.42	18.08	16.41	16.38	16.74
	4 Tx Slots	20.50	18.53	18.52	18.61	-3.18	17.32	15.35	15.34	15.43

Table 111: Conducted power measurement results of GSM1900(Main Antenna)

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) 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.
- 3) Per KDB941225 D01v03, 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.

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

Full Power:

UMTS Band II		Tune-up	Conducted Power (dBm)		
			9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	24.00	23.75	23.81	23.80
	12.2kbps AMR	24.00	23.71	23.78	23.75
HSDPA	Subtest 1	24.00	22.43	22.48	22.50
	Subtest 2	23.00	22.35	22.40	22.41
	Subtest 3	22.50	21.91	22.04	22.04
	Subtest 4	22.50	21.83	22.03	22.04
HSUPA	Subtest 1	20.50	20.16	20.25	20.21
	Subtest 2	21.00	19.26	20.30	20.22
	Subtest 3	21.00	19.77	20.25	20.41
	Subtest 4	21.00	19.70	19.93	19.91
	Subtest 5	21.00	20.11	20.61	20.52
DC-HSDPA	Subtest 1	24.00	22.35	22.44	22.45
	Subtest 2	23.00	22.21	22.23	22.32
	Subtest 3	22.50	21.92	21.93	21.98
	Subtest 4	22.50	21.85	21.95	21.96

Table 112: Conducted power measurement results of UMTS Band II(Main Antenna)

Note:

- 1) The conducted power of UMTS Band II is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03r01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi station function work:

UMTS Band II		Tune-up	Conducted Power (dBm)		
			9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	22.00	21.61	21.73	21.74
	12.2kbps AMR	22.00	21.60	21.74	21.71
HSDPA	Subtest 1	22.00	20.35	20.46	20.44
	Subtest 2	21.00	20.28	20.35	20.38
	Subtest 3	20.50	19.84	19.97	19.96
	Subtest 4	20.50	19.81	19.96	19.95
HSUPA	Subtest 1	19.00	18.71	18.25	17.99
	Subtest 2	19.00	17.41	17.01	17.45
	Subtest 3	19.00	18.12	17.77	17.32
	Subtest 4	19.00	17.68	17.42	18.09
	Subtest 5	19.00	18.35	18.54	18.39
DC-HSDPA	Subtest 1	22.00	20.31	20.42	20.32
	Subtest 2	21.00	20.11	20.31	20.25
	Subtest 3	20.50	19.80	19.85	19.92
	Subtest 4	20.50	19.85	19.90	19.96

Table 113: Conducted power measurement results of UMTS Band II(Main Antenna)

Note:

- 1) The conducted power of UMTS Band II is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03r01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

UMTS Band II		Tune-up	Conducted Power (dBm)		
			9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	21.00	20.44	20.54	20.51
	12.2kbps AMR	21.00	20.43	20.55	20.48
HSDPA	Subtest 1	20.50	19.08	19.15	19.16
	Subtest 2	20.00	19.01	19.06	19.05
	Subtest 3	19.50	18.59	18.72	18.62
	Subtest 4	19.50	18.63	19.08	19.11
HSUPA	Subtest 1	17.50	16.56	16.56	16.42
	Subtest 2	17.50	15.59	15.56	15.81
	Subtest 3	17.50	16.01	16.03	16.31
	Subtest 4	17.50	15.89	15.89	15.91
	Subtest 5	17.50	16.41	16.41	16.42
DC-HSDPA	Subtest 1	20.50	19.11	19.20	19.10
	Subtest 2	20.00	19.05	19.11	19.01
	Subtest 3	19.50	18.44	18.65	18.53
	Subtest 4	19.50	18.60	19.00	19.06

Table 114: Conducted power measurement results of UMTS Band II(Main Antenna)

Note:

- 1) The conducted power of UMTS Band II is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03r01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi Hotspot function work:

UMTS Band II		Tune-up	Conducted Power (dBm)		
			9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	21.50	20.84	20.96	20.93
	12.2kbps AMR	21.50	20.83	20.95	20.91
HSDPA	Subtest 1	21.50	19.59	19.66	19.69
	Subtest 2	20.00	19.45	19.52	19.58
	Subtest 3	19.50	18.99	19.12	19.09
	Subtest 4	19.50	18.98	19.08	19.08
HSUPA	Subtest 1	18.00	17.25	17.35	17.58
	Subtest 2	18.00	16.57	17.22	16.98
	Subtest 3	18.00	17.41	17.34	17.45
	Subtest 4	18.00	16.89	16.88	17.48
	Subtest 5	18.00	17.55	17.54	17.61
DC-HSDPA	Subtest 1	21.50	19.51	19.62	19.58
	Subtest 2	20.00	19.38	19.55	19.50
	Subtest 3	19.50	18.96	19.16	19.01
	Subtest 4	19.50	18.90	19.01	19.11

Table 115: Conducted power measurement results of UMTS Band II(Main Antenna)

Note:

- 1) The conducted power of UMTS Band II is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03r01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

UMTS Band II		Tune-up	Conducted Power (dBm)		
			9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	21.00	20.44	20.54	20.51
	12.2kbps AMR	21.00	20.43	20.55	20.48
HSDPA	Subtest 1	20.50	19.08	19.15	19.16
	Subtest 2	20.00	19.01	19.06	19.05
	Subtest 3	19.50	18.59	18.72	18.62
	Subtest 4	19.50	18.63	19.08	19.11
HSUPA	Subtest 1	17.50	16.56	16.56	16.42
	Subtest 2	17.50	15.59	15.56	15.81
	Subtest 3	17.50	16.01	16.03	16.31
	Subtest 4	17.50	15.89	15.89	15.91
	Subtest 5	17.50	16.41	16.41	16.42
DC-HSDPA	Subtest 1	20.50	19.11	19.20	19.10
	Subtest 2	20.00	19.05	19.11	19.01
	Subtest 3	19.50	18.44	18.65	18.53
	Subtest 4	19.50	18.60	19.00	19.06

Table 116: Conducted power measurement results of UMTS Band II(Main Antenna)

Note:

- 1) The conducted power of UMTS Band II is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03r01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

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

Full Power:

UMTS Band IV		Tune-up	Conducted Power (dBm)		
			1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	24.00	23.75	23.82	23.57
	12.2kbps AMR	24.00	23.73	23.80	23.55
HSDPA	Subtest 1	23.50	22.41	22.49	22.36
	Subtest 2	23.00	22.28	22.36	22.24
	Subtest 3	22.50	21.91	21.98	21.83
	Subtest 4	22.50	21.88	21.99	21.82
HSUPA	Subtest 1	21.50	20.33	20.12	20.07
	Subtest 2	21.00	20.05	20.07	19.65
	Subtest 3	21.50	19.96	20.03	19.89
	Subtest 4	21.00	20.03	19.82	19.54
	Subtest 5	21.50	20.17	20.18	19.99
DC-HSDPA	Subtest 1	23.50	22.40	22.44	22.21
	Subtest 2	23.00	22.22	22.31	22.20
	Subtest 3	22.50	21.85	21.90	21.77
	Subtest 4	22.50	21.80	21.95	21.85

Table 117: Conducted power measurement results of UMTS Band IV(Main Antenna)

Note:

- 1) The conducted power of UMTS Band IV is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03r01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

UMTS Band IV		Tune-up	Conducted Power (dBm)		
			1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	22.00	21.84	21.86	21.77
	12.2kbps AMR	22.00	21.82	21.84	21.75
HSDPA	Subtest 1	21.50	20.45	20.48	20.40
	Subtest 2	21.00	20.34	20.36	20.29
	Subtest 3	20.50	19.99	20.05	19.97
	Subtest 4	20.50	19.99	20.04	19.95
HSUPA	Subtest 1	19.50	18.23	18.32	18.32
	Subtest 2	19.00	18.16	17.69	17.43
	Subtest 3	19.50	18.31	18.47	18.21
	Subtest 4	19.00	17.91	17.92	17.84
	Subtest 5	19.50	18.50	18.53	18.29
DC-HSDPA	Subtest 1	21.50	20.41	20.45	20.34
	Subtest 2	21.00	20.27	20.23	20.21
	Subtest 3	20.50	19.90	20.00	19.90
	Subtest 4	20.50	19.95	20.11	19.98

Table 118: Conducted power measurement results of UMTS Band IV(Main Antenna)

Note:

- 1) The conducted power of UMTS Band IV is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03r01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi Hotspot function work:

UMTS Band IV		Tune-up	Conducted Power (dBm)		
			1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	23.50	22.81	22.74	22.63
	12.2kbps AMR	23.50	22.72	22.76	22.64
HSDPA	Subtest 1	23.00	21.44	21.39	21.35
	Subtest 2	22.50	21.31	21.28	21.21
	Subtest 3	22.00	20.86	20.92	20.80
	Subtest 4	22.00	20.87	20.93	20.81
HSUPA	Subtest 1	21.00	19.26	19.30	19.10
	Subtest 2	19.50	19.09	18.42	18.85
	Subtest 3	21.00	19.48	19.68	19.22
	Subtest 4	20.50	19.02	18.96	18.80
	Subtest 5	21.00	19.66	19.79	19.31
DC-HSDPA	Subtest 1	23.00	21.35	21.36	21.31
	Subtest 2	22.50	21.19	21.22	21.15
	Subtest 3	22.00	20.80	20.90	20.82
	Subtest 4	22.00	20.88	20.86	20.73

Table 119: Conducted power measurement results of UMTS Band IV(Main Antenna)

Note:

- 1) The conducted power of UMTS Band IV is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03r01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

UMTS Band IV		Tune-up	Conducted Power (dBm)		
			1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	22.00	21.84	21.86	21.77
	12.2kbps AMR	22.00	21.82	21.84	21.75
HSDPA	Subtest 1	21.50	20.45	20.48	20.40
	Subtest 2	21.00	20.34	20.36	20.29
	Subtest 3	20.50	19.99	20.05	19.97
	Subtest 4	20.50	19.99	20.04	19.95
HSUPA	Subtest 1	19.50	18.23	18.32	18.32
	Subtest 2	19.00	18.16	17.69	17.43
	Subtest 3	19.50	18.31	18.47	18.21
	Subtest 4	19.00	17.91	17.92	17.84
	Subtest 5	19.50	18.50	18.53	18.29
DC-HSDPA	Subtest 1	21.50	20.41	20.45	20.34
	Subtest 2	21.00	20.27	20.23	20.21
	Subtest 3	20.50	19.90	20.00	19.90
	Subtest 4	20.50	19.95	20.11	19.98

Table 120: Conducted power measurement results of UMTS Band IV(Main Antenna)

Note:

- 1) The conducted power of UMTS Band IV is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03r01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

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

Full Power:

UMTS Band V		Tune-up	Conducted Power (dBm)		
			4132CH	4182CH	4233CH
WCDMA	12.2kbps RMC	24.50	23.54	23.56	23.56
	12.2kbps AMR	24.50	23.50	23.54	23.55
HSDPA	Subtest 1	24.00	22.19	22.18	22.16
	Subtest 2	23.50	22.08	22.07	22.05
	Subtest 3	23.00	21.60	21.61	21.58
	Subtest 4	23.00	21.58	21.60	21.59
HSUPA	Subtest 1	22.00	20.32	20.11	20.11
	Subtest 2	21.00	19.48	19.38	19.48
	Subtest 3	21.00	19.57	19.34	20.04
	Subtest 4	21.00	19.29	19.14	19.99
	Subtest 5	21.50	20.20	20.08	20.11
DC-HSDPA	Subtest 1	24.00	22.11	22.13	22.07
	Subtest 2	23.50	21.98	22.01	21.95
	Subtest 3	23.00	21.56	21.60	21.51
	Subtest 4	23.00	21.51	21.58	21.50

Table 121: Conducted power measurement results of UMTS Band V(Main Antenna)

Note:

- 1) The conducted power of UMTS Band V is measured with RMS detector.
- 2) The bolded 12.2kbps RMC mode was selected for SAR testing(the primary mode).
- 3) Per KDB941225 D01v03, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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.

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

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	23.90	23.25	23.21	22.82
		1	3	23.90	23.38	23.27	22.77
		1	5	23.90	23.35	23.09	22.63
		3	0	23.90	23.30	23.23	22.85
		3	2	23.90	23.37	23.26	22.77
		3	3	23.90	23.35	23.26	22.68
		6	0	23.20	22.23	22.25	21.88
	16QAM	1	0	23.20	22.39	22.48	21.97
		1	3	23.20	22.31	22.55	21.93
		1	5	23.20	22.34	22.31	21.78
		3	0	23.20	22.16	22.38	22.05
		3	2	23.20	22.16	22.39	22.02
		3	3	23.20	22.20	22.37	21.70
		6	0	22.20	21.17	21.27	20.89
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18615CH	18900CH	19185CH
3MHz	QPSK	1	0	23.90	23.28	23.24	22.88
		1	7	23.90	23.52	23.39	22.90
		1	14	23.90	23.21	23.17	22.55
		8	0	23.20	22.27	22.32	22.03
		8	4	23.20	22.34	22.34	21.99
		8	7	23.20	22.35	22.24	21.88
		15	0	23.20	22.31	22.30	21.99
	16QAM	1	0	23.20	22.19	22.40	21.99
		1	7	23.20	22.48	22.56	22.06
		1	14	23.20	22.19	22.14	21.67
		8	0	22.20	21.18	21.24	21.05
		8	4	22.20	21.25	21.22	21.05
		8	7	22.20	21.23	21.15	20.95
		15	0	22.20	21.19	21.20	21.00

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18625CH	18900CH	19175CH
5MHz	QPSK	1	0	23.90	23.31	23.24	23.06
		1	13	23.90	23.60	23.37	22.91
		1	24	23.90	23.16	23.02	22.54
		12	0	23.20	22.35	22.32	22.04
		12	6	23.20	22.40	22.31	22.02
		12	13	23.20	22.28	22.17	21.79
		25	0	23.20	22.28	22.21	22.00
	16QAM	1	0	23.20	22.28	22.44	22.43
		1	13	23.20	22.58	22.50	22.29
		1	24	23.20	22.17	22.19	21.89
		12	0	22.20	21.27	21.37	21.08
		12	6	22.20	21.32	21.37	21.05
		12	13	22.20	21.21	21.28	20.89
		25	0	22.20	21.12	21.21	21.05
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18650CH	18900CH	19150CH
10MHz	QPSK	1	0	23.90	23.24	23.15	23.33
		1	25	23.90	23.45	23.37	23.23
		1	49	23.90	23.11	22.97	22.62
		25	0	23.20	22.33	22.30	22.30
		25	13	23.20	22.22	22.31	22.27
		25	25	23.20	22.21	22.15	22.13
		50	0	23.20	22.22	22.15	22.36
	16QAM	1	0	23.20	22.47	22.41	22.46
		1	25	23.20	22.65	22.70	22.47
		1	49	23.20	22.31	22.23	21.82
		25	0	22.20	21.20	21.25	21.27
		25	13	22.20	21.10	21.23	21.24
		25	25	22.20	21.08	21.12	21.12
		50	0	22.20	21.14	21.13	21.33

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18675CH	18900CH	19125CH
15MHz	QPSK	1	0	23.90	23.17	23.06	23.32
		1	38	23.90	23.45	23.38	23.35
		1	74	23.90	23.19	22.80	22.53
		36	0	23.20	22.39	22.29	22.36
		36	18	23.20	22.27	22.29	22.34
		36	39	23.20	22.24	22.11	22.19
		75	0	23.20	22.23	22.22	22.44
	16QAM	1	0	23.20	22.44	22.41	22.40
		1	38	23.20	22.63	22.68	22.48
		1	74	23.20	22.45	22.08	21.73
		36	0	22.20	21.30	21.25	21.33
		36	18	22.20	21.20	21.23	21.33
		36	39	22.20	21.18	21.11	21.17
		75	0	22.20	21.14	21.16	21.37
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18700CH	18900CH	19100CH
20MHz	QPSK	1	0	23.90	23.22	22.54	23.52
		1	50	23.90	23.36	23.17	23.64
		1	99	23.90	23.33	22.94	21.92
		50	0	23.20	22.19	22.20	22.48
		50	25	23.20	22.27	22.21	22.45
		50	50	23.20	22.43	21.98	22.44
		100	0	23.20	22.35	22.17	22.50
	16QAM	1	0	23.20	22.51	22.41	22.84
		1	50	23.20	22.61	22.76	22.99
		1	99	23.20	22.96	22.15	22.07
		50	0	22.20	21.06	21.10	21.39
		50	25	22.20	21.10	21.09	21.38
		50	50	22.20	21.37	20.95	21.36
		100	0	22.20	21.22	21.07	21.41

Table 122: Conducted power measurement results of LTE Band II(Main Antenna)

After Wi-Fi station function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	21.90	21.02	21.12	20.76
		1	3	21.90	21.07	21.20	20.81
		1	5	21.90	21.04	20.96	20.64
		3	0	21.90	21.02	21.10	20.82
		3	2	21.90	21.09	21.12	20.83
		3	3	21.90	21.08	21.15	20.73
		6	0	21.20	19.97	20.11	19.89
	16QAM	1	0	21.20	20.24	20.17	19.98
		1	3	21.20	20.30	20.15	20.10
		1	5	21.20	20.26	20.05	19.86
		3	0	21.20	20.03	20.06	19.78
		3	2	21.20	20.09	20.14	19.81
		3	3	21.20	20.08	20.03	19.67
		6	0	20.20	18.92	19.13	18.87
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18615CH	18900CH	19185CH
3MHz	QPSK	1	0	21.90	21.02	21.14	20.78
		1	7	21.90	21.31	21.24	20.90
		1	14	21.90	21.01	21.04	20.56
		8	0	21.20	20.03	20.12	19.98
		8	4	21.20	20.02	20.13	19.90
		8	7	21.20	20.04	20.02	19.83
		15	0	21.20	20.08	20.10	19.90
	16QAM	1	0	21.20	19.99	20.10	20.00
		1	7	21.20	20.33	20.44	20.16
		1	14	21.20	20.05	20.20	19.84
		8	0	20.20	18.88	19.13	18.95
		8	4	20.20	18.97	19.10	18.87
		8	7	20.20	18.94	19.07	18.85
		15	0	20.20	18.95	19.08	18.84

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18625CH	18900CH	19175CH
5MHz	QPSK	1	0	21.90	21.06	21.12	21.01
		1	13	21.90	21.35	21.24	20.95
		1	24	21.90	20.95	20.88	20.59
		12	0	21.20	20.14	20.16	19.95
		12	6	21.20	20.14	20.14	19.99
		12	13	21.20	20.04	20.03	19.78
		25	0	21.20	20.01	20.04	19.97
	16QAM	1	0	21.20	20.12	20.29	20.20
		1	13	21.20	20.50	20.39	20.24
		1	24	21.20	20.13	20.10	19.90
		12	0	20.20	19.19	19.26	19.09
		12	6	20.20	19.23	19.25	19.02
		12	13	20.20	19.11	19.12	18.86
		25	0	20.20	19.09	19.06	18.92
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18650CH	18900CH	19150CH
10MHz	QPSK	1	0	21.90	21.05	21.09	21.17
		1	25	21.90	21.27	21.29	21.20
		1	49	21.90	20.97	20.88	20.66
		25	0	21.20	20.08	20.13	20.15
		25	13	21.20	20.07	20.16	20.14
		25	25	21.20	20.08	20.05	20.09
		50	0	21.20	20.06	20.00	20.29
	16QAM	1	0	21.20	20.15	20.25	20.30
		1	25	21.20	20.44	20.42	20.36
		1	49	21.20	20.15	19.99	19.95
		25	0	20.20	19.07	19.11	19.19
		25	13	20.20	19.09	19.14	19.20
		25	25	20.20	19.10	19.01	19.03
		50	0	20.20	19.07	19.01	19.20

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18675CH	18900CH	19125CH
15MHz	QPSK	1	0	21.90	20.98	20.96	21.21
		1	38	21.90	21.30	21.27	21.41
		1	74	21.90	21.06	20.70	20.68
		36	0	21.20	20.17	20.05	20.19
		36	18	21.20	20.16	20.07	20.24
		36	39	21.20	20.09	19.95	20.17
		75	0	21.20	20.11	20.03	20.37
	16QAM	1	0	21.20	20.13	20.07	20.25
		1	38	21.20	20.54	20.39	20.47
		1	74	21.20	20.31	19.82	19.81
		36	0	20.20	19.21	18.99	19.12
		36	18	20.20	19.19	19.05	19.20
		36	39	20.20	19.12	18.87	19.00
		75	0	20.20	19.09	18.98	19.25
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18700CH	18900CH	19100CH
20MHz	QPSK	1	0	21.90	21.05	21.00	21.21
		1	50	21.90	21.40	21.38	21.50
		1	99	21.90	21.66	20.73	20.75
		50	0	21.20	20.11	20.09	20.25
		50	25	21.20	20.19	20.08	20.30
		50	50	21.20	20.40	19.89	20.31
		100	0	21.20	20.22	20.07	20.30
	16QAM	1	0	21.20	20.25	20.28	20.44
		1	50	21.20	20.45	20.63	20.72
		1	99	21.20	20.83	20.04	20.06
		50	0	20.20	19.01	18.93	19.21
		50	25	20.20	19.10	19.03	19.24
		50	50	20.20	19.30	18.83	19.19
		100	0	20.20	19.15	19.00	19.27

Table 123: Conducted power measurement results of LTE Band II(Main Antenna)

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	20.40	19.61	19.77	19.68
		1	3	20.40	19.68	19.85	19.69
		1	5	20.40	19.63	19.71	19.55
		3	0	20.40	19.58	19.87	19.69
		3	2	20.40	19.65	19.88	19.68
		3	3	20.40	19.65	19.84	19.59
		6	0	19.70	18.63	18.95	18.72
	16QAM	1	0	19.70	18.77	19.04	18.83
		1	3	19.70	18.84	18.99	18.83
		1	5	19.70	18.79	18.93	18.51
		3	0	19.70	18.66	18.85	18.73
		3	2	19.70	18.65	19.00	18.60
		3	3	19.70	18.64	18.81	18.51
		6	0	18.70	17.76	17.94	17.74
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18615CH	18900CH	19185CH
3MHz	QPSK	1	0	20.40	19.58	19.86	19.59
		1	7	20.40	19.88	19.96	19.79
		1	14	20.40	19.60	19.74	19.46
		8	0	19.70	18.75	18.97	18.78
		8	4	19.70	18.82	18.98	18.68
		8	7	19.70	18.85	18.87	18.59
		15	0	19.70	18.81	18.96	18.68
	16QAM	1	0	19.70	18.68	18.92	18.88
		1	7	19.70	19.11	19.00	18.80
		1	14	19.70	18.72	18.74	18.48
		8	0	18.70	17.78	17.93	17.85
		8	4	18.70	17.78	17.94	17.77
		8	7	18.70	17.77	17.86	17.73
		15	0	18.70	17.79	17.86	17.74

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18625CH	18900CH	19175CH
5MHz	QPSK	1	0	20.40	19.70	19.86	19.80
		1	13	20.40	20.04	19.96	19.76
		1	24	20.40	19.72	19.57	19.42
		12	0	19.70	18.91	19.05	18.90
		12	6	19.70	18.98	19.04	18.90
		12	13	19.70	18.89	18.87	18.63
		25	0	19.70	18.87	18.94	18.88
	16QAM	1	0	19.70	18.86	18.97	19.12
		1	13	19.70	19.21	19.07	19.06
		1	24	19.70	18.84	18.73	18.69
		12	0	18.70	17.87	17.98	17.87
		12	6	18.70	17.87	17.97	17.87
		12	13	18.70	17.81	17.83	17.73
		25	0	18.70	17.74	17.88	17.83
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18650CH	18900CH	19150CH
10MHz	QPSK	1	0	20.40	19.68	19.77	19.88
		1	25	20.40	20.04	19.99	19.98
		1	49	20.40	19.77	19.48	19.48
		25	0	19.70	18.91	18.94	18.97
		25	13	19.70	18.88	18.97	19.06
		25	25	19.70	18.90	18.84	18.93
		50	0	19.70	18.91	18.80	19.15
	16QAM	1	0	19.70	18.90	19.24	19.14
		1	25	19.70	19.21	19.40	19.26
		1	49	19.70	18.93	18.91	18.68
		25	0	18.70	17.81	17.92	18.01
		25	13	18.70	17.80	17.91	18.05
		25	25	18.70	17.82	17.76	17.97
		50	0	18.70	17.76	17.76	18.10

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18675CH	18900CH	19125CH
15MHz	QPSK	1	0	20.40	19.56	19.65	19.85
		1	38	20.40	20.07	20.02	20.07
		1	74	20.40	19.73	19.32	19.47
		36	0	19.70	18.94	18.87	19.00
		36	18	19.70	19.00	18.89	19.04
		36	39	19.70	18.97	18.71	19.02
		75	0	19.70	18.97	18.84	19.20
	16QAM	1	0	19.70	18.85	18.91	19.05
		1	38	19.70	19.37	19.18	19.32
		1	74	19.70	19.11	18.54	18.69
		36	0	18.70	17.88	17.83	17.96
		36	18	18.70	17.88	17.86	18.05
		36	39	18.70	17.86	17.65	17.96
		75	0	18.70	17.80	17.76	18.10
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18700CH	18900CH	19100CH
20MHz	QPSK	1	0	20.40	19.65	19.61	19.80
		1	50	20.40	20.03	19.98	20.16
		1	99	20.40	20.25	19.26	19.47
		50	0	19.70	18.90	18.80	19.03
		50	25	19.70	19.01	18.81	19.08
		50	50	19.70	19.18	18.56	19.15
		100	0	19.70	19.03	18.79	19.12
	16QAM	1	0	19.70	19.00	19.08	19.15
		1	50	19.70	19.39	19.36	19.54
		1	99	19.70	19.64	18.66	18.81
		50	0	18.70	17.81	17.77	17.89
		50	25	18.70	17.93	17.78	17.97
		50	50	18.70	18.10	17.55	18.05
		100	0	18.70	17.90	17.70	18.08

Table 124: Conducted power measurement results of LTE Band II(Main Antenna)

After Wi-Fi Hotspot function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	21.40	20.70	20.98	20.72
		1	3	21.40	20.78	21.05	20.69
		1	5	21.40	20.72	20.94	20.53
		3	0	21.40	20.70	21.04	20.76
		3	2	21.40	20.81	21.04	20.67
		3	3	21.40	20.80	21.01	20.58
		6	0	20.70	19.66	19.95	19.79
	16QAM	1	0	20.70	19.82	20.04	19.65
		1	3	20.70	19.70	20.10	19.72
		1	5	20.70	19.64	19.85	19.49
		3	0	20.70	19.57	19.79	19.60
		3	2	20.70	19.63	19.79	19.79
		3	3	20.70	19.69	19.73	19.48
		6	0	19.70	18.69	18.90	18.56
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18615CH	18900CH	19185CH
3MHz	QPSK	1	0	21.40	20.63	20.97	20.73
		1	7	21.40	20.98	21.11	20.82
		1	14	21.40	20.63	20.78	20.39
		8	0	20.70	19.72	19.90	19.77
		8	4	20.70	19.75	19.91	19.68
		8	7	20.70	19.77	19.89	19.65
		15	0	20.70	19.78	19.93	19.69
	16QAM	1	0	20.70	19.59	19.98	19.70
		1	7	20.70	19.88	20.05	19.77
		1	14	20.70	19.60	19.78	19.50
		8	0	19.70	18.77	18.91	18.71
		8	4	19.70	18.79	18.91	18.63
		8	7	19.70	18.81	18.85	18.50
		15	0	19.70	18.74	18.84	18.59

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18625CH	18900CH	19175CH
5MHz	QPSK	1	0	21.40	20.68	21.04	20.97
		1	13	21.40	20.99	21.11	20.94
		1	24	21.40	20.61	20.76	20.47
		12	0	20.70	19.84	20.08	19.90
		12	6	20.70	19.90	20.04	19.87
		12	13	20.70	19.84	19.88	19.64
		25	0	20.70	19.78	19.94	19.84
	16QAM	1	0	20.70	19.76	20.02	19.94
		1	13	20.70	20.10	20.10	19.86
		1	24	20.70	19.74	19.74	19.47
		12	0	19.70	18.82	19.05	18.88
		12	6	19.70	18.90	19.03	18.86
		12	13	19.70	18.79	18.89	18.58
		25	0	19.70	18.74	18.90	18.81
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18650CH	18900CH	19150CH
10MHz	QPSK	1	0	21.40	20.66	20.95	20.93
		1	25	21.40	20.81	21.13	21.03
		1	49	21.40	20.56	20.68	20.43
		25	0	20.70	19.73	19.94	19.92
		25	13	20.70	19.79	19.96	19.94
		25	25	20.70	19.79	19.84	19.85
		50	0	20.70	19.78	19.79	20.05
	16QAM	1	0	20.70	19.75	20.00	20.07
		1	25	20.70	20.12	20.20	20.17
		1	49	20.70	19.90	19.71	19.72
		25	0	19.70	18.78	18.95	18.92
		25	13	19.70	18.77	18.99	18.98
		25	25	19.70	18.77	18.87	18.88
		50	0	19.70	18.71	18.79	19.03

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18675CH	18900CH	19125CH
15MHz	QPSK	1	0	21.40	20.54	20.74	20.76
		1	38	21.40	20.87	21.09	21.08
		1	74	21.40	20.68	20.44	20.31
		36	0	20.70	19.82	19.84	19.88
		36	18	20.70	19.88	19.85	19.91
		36	39	20.70	19.80	19.71	19.84
		75	0	20.70	19.82	19.80	19.98
	16QAM	1	0	20.70	19.86	19.85	19.97
		1	38	20.70	20.19	20.29	20.25
		1	74	20.70	19.95	19.64	19.60
		36	0	19.70	18.82	18.82	18.79
		36	18	19.70	18.81	18.85	18.87
		36	39	19.70	18.72	18.66	18.82
		75	0	19.70	18.73	18.78	18.96
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18700CH	18900CH	19100CH
20MHz	QPSK	1	0	21.40	20.68	20.67	20.91
		1	50	21.40	20.97	21.13	21.18
		1	99	21.40	21.18	20.44	20.46
		50	0	20.70	19.81	19.78	19.93
		50	25	20.70	19.92	19.80	19.98
		50	50	20.70	20.00	19.58	20.05
		100	0	20.70	19.87	19.79	19.98
	16QAM	1	0	20.70	19.93	19.84	19.98
		1	50	20.70	20.23	20.28	20.20
		1	99	20.70	19.90	19.65	19.62
		50	0	19.70	18.88	18.84	18.77
		50	25	19.70	18.85	18.85	18.90
		50	50	19.70	18.75	18.65	18.85
		100	0	19.70	18.71	18.80	18.94

Table 125: Conducted power measurement results of LTE Band II(Main Antenna)

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	20.40	19.61	19.77	19.68
		1	3	20.40	19.68	19.85	19.69
		1	5	20.40	19.63	19.71	19.55
		3	0	20.40	19.58	19.87	19.69
		3	2	20.40	19.65	19.88	19.68
		3	3	20.40	19.65	19.84	19.59
		6	0	19.70	18.63	18.95	18.72
	16QAM	1	0	19.70	18.77	19.04	18.83
		1	3	19.70	18.84	18.99	18.83
		1	5	19.70	18.79	18.93	18.51
		3	0	19.70	18.66	18.85	18.73
		3	2	19.70	18.65	19.00	18.60
		3	3	19.70	18.64	18.81	18.51
		6	0	18.70	17.76	17.94	17.74
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18615CH	18900CH	19185CH
3MHz	QPSK	1	0	20.40	19.58	19.86	19.59
		1	7	20.40	19.88	19.96	19.79
		1	14	20.40	19.60	19.74	19.46
		8	0	19.70	18.75	18.97	18.78
		8	4	19.70	18.82	18.98	18.68
		8	7	19.70	18.85	18.87	18.59
		15	0	19.70	18.81	18.96	18.68
	16QAM	1	0	19.70	18.68	18.92	18.88
		1	7	19.70	19.11	19.00	18.80
		1	14	19.70	18.72	18.74	18.48
		8	0	18.70	17.78	17.93	17.85
		8	4	18.70	17.78	17.94	17.77
		8	7	18.70	17.77	17.86	17.73
		15	0	18.70	17.79	17.86	17.74

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18625CH	18900CH	19175CH
5MHz	QPSK	1	0	20.40	19.70	19.86	19.80
		1	13	20.40	20.04	19.96	19.76
		1	24	20.40	19.72	19.57	19.42
		12	0	19.70	18.91	19.05	18.90
		12	6	19.70	18.98	19.04	18.90
		12	13	19.70	18.89	18.87	18.63
		25	0	19.70	18.87	18.94	18.88
	16QAM	1	0	19.70	18.86	18.97	19.12
		1	13	19.70	19.21	19.07	19.06
		1	24	19.70	18.84	18.73	18.69
		12	0	18.70	17.87	17.98	17.87
		12	6	18.70	17.87	17.97	17.87
		12	13	18.70	17.81	17.83	17.73
		25	0	18.70	17.74	17.88	17.83
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18650CH	18900CH	19150CH
10MHz	QPSK	1	0	20.40	19.68	19.77	19.88
		1	25	20.40	20.04	19.99	19.98
		1	49	20.40	19.77	19.48	19.48
		25	0	19.70	18.91	18.94	18.97
		25	13	19.70	18.88	18.97	19.06
		25	25	19.70	18.90	18.84	18.93
		50	0	19.70	18.91	18.80	19.15
	16QAM	1	0	19.70	18.90	19.24	19.14
		1	25	19.70	19.21	19.40	19.26
		1	49	19.70	18.93	18.91	18.68
		25	0	18.70	17.81	17.92	18.01
		25	13	18.70	17.80	17.91	18.05
		25	25	18.70	17.82	17.76	17.97
		50	0	18.70	17.76	17.76	18.10

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18675CH	18900CH	19125CH
15MHz	QPSK	1	0	20.40	19.56	19.65	19.85
		1	38	20.40	20.07	20.02	20.07
		1	74	20.40	19.73	19.32	19.47
		36	0	19.70	18.94	18.87	19.00
		36	18	19.70	19.00	18.89	19.04
		36	39	19.70	18.97	18.71	19.02
		75	0	19.70	18.97	18.84	19.20
	16QAM	1	0	19.70	18.85	18.91	19.05
		1	38	19.70	19.37	19.18	19.32
		1	74	19.70	19.11	18.54	18.69
		36	0	18.70	17.88	17.83	17.96
		36	18	18.70	17.88	17.86	18.05
		36	39	18.70	17.86	17.65	17.96
		75	0	18.70	17.80	17.76	18.10
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					18700CH	18900CH	19100CH
20MHz	QPSK	1	0	20.40	19.65	19.61	19.80
		1	50	20.40	20.03	19.98	20.16
		1	99	20.40	20.25	19.26	19.47
		50	0	19.70	18.90	18.80	19.03
		50	25	19.70	19.01	18.81	19.08
		50	50	19.70	19.18	18.56	19.15
		100	0	19.70	19.03	18.79	19.12
	16QAM	1	0	19.70	19.00	19.08	19.15
		1	50	19.70	19.39	19.36	19.54
		1	99	19.70	19.64	18.66	18.81
		50	0	18.70	17.81	17.77	17.89
		50	25	18.70	17.93	17.78	17.97
		50	50	18.70	18.10	17.55	18.05
		100	0	18.70	17.90	17.70	18.08

Table 126: Conducted power measurement results of LTE Band II(Main Antenna)

7.1.25 Conducted power measurements of LTE Band IV(Main Antenna)

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19957CH	20175CH	20393CH
1.4MHz	QPSK	1	0	24.50	22.59	23.44	23.86
		1	3	24.50	22.72	23.44	24.01
		1	5	24.50	22.65	23.24	23.89
		3	0	24.50	22.65	23.46	23.89
		3	2	24.50	22.71	23.41	24.00
		3	3	24.50	22.70	23.37	23.95
		6	0	23.50	21.53	22.20	22.75
	16QAM	1	0	23.50	21.73	22.39	22.86
		1	3	23.50	21.85	22.32	23.01
		1	5	23.50	21.79	22.19	22.90
		3	0	23.50	21.52	22.29	22.77
		3	2	23.50	21.57	22.25	22.87
		3	3	23.50	21.55	22.21	22.81
		6	0	22.00	20.34	21.24	21.74
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19965CH	20175CH	20385CH
3MHz	QPSK	1	0	24.50	22.53	23.54	23.66
		1	7	24.50	22.84	23.47	24.02
		1	14	24.50	22.74	23.05	23.80
		8	0	23.50	21.54	22.25	22.54
		8	4	23.50	21.57	22.22	22.61
		8	7	23.50	21.57	22.10	22.64
		15	0	23.50	21.58	22.18	22.63
	16QAM	1	0	23.50	21.54	22.71	22.31
		1	7	23.50	21.73	22.44	22.78
		1	14	23.50	21.60	22.02	22.56
		8	0	22.00	20.38	21.23	21.41
		8	4	22.00	20.51	21.19	21.52
		8	7	22.00	20.52	21.13	21.53
		15	0	22.00	20.31	21.15	21.51

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19975CH	20175CH	20375CH
5MHz	QPSK	1	0	24.50	22.54	23.54	23.45
		1	13	24.50	23.13	23.40	23.94
		1	24	24.50	22.98	22.75	23.83
		12	0	23.50	21.51	22.62	22.46
		12	6	23.50	21.73	22.24	22.59
		12	13	23.50	21.73	21.91	22.62
		25	0	23.50	21.59	22.11	22.64
	16QAM	1	0	23.50	21.51	22.66	22.37
		1	13	23.50	22.06	22.34	22.83
		1	24	23.50	21.94	21.68	22.75
		12	0	22.00	20.45	21.49	21.36
		12	6	22.00	20.67	21.31	21.49
		12	13	22.00	20.67	20.94	21.52
		25	0	22.00	20.42	21.10	21.59
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20000CH	20175CH	20350CH
10MHz	QPSK	1	0	24.50	22.54	23.62	22.96
		1	25	24.50	23.37	23.45	23.62
		1	49	24.50	23.41	22.58	23.82
		25	0	23.50	21.61	22.54	21.99
		25	13	23.50	21.98	22.16	22.24
		25	25	23.50	22.18	21.88	22.51
		50	0	23.50	21.92	22.13	22.29
	16QAM	1	0	23.50	21.53	22.82	21.90
		1	25	23.50	22.42	22.49	22.60
		1	49	23.50	22.48	21.59	22.79
		25	0	22.00	20.54	21.33	20.64
		25	13	22.00	20.91	21.16	20.92
		25	25	22.00	21.16	20.85	21.26
		50	0	22.00	20.87	21.14	20.99

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20025CH	20175CH	20325CH
15MHz	QPSK	1	0	24.50	22.55	23.59	22.75
		1	38	24.50	23.79	23.43	23.39
		1	74	24.50	23.70	22.52	23.76
		36	0	23.50	21.91	22.62	21.82
		36	18	23.50	22.37	22.12	22.05
		36	39	23.50	22.48	21.64	22.32
		75	0	23.50	22.28	22.11	22.05
	16QAM	1	0	23.50	21.61	22.65	21.81
		1	38	23.50	22.70	22.47	22.48
		1	74	23.50	22.76	21.58	22.82
		36	0	22.00	20.78	21.49	20.76
		36	18	22.00	21.29	21.14	20.96
		36	39	22.00	21.45	20.56	21.27
		75	0	22.00	21.13	21.04	20.96
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20050CH	20175CH	20300CH
20MHz	QPSK	1	0	24.50	22.92	23.47	23.01
		1	50	24.50	24.06	23.27	23.55
		1	99	24.50	23.42	23.10	23.95
		50	0	23.50	22.09	22.63	21.52
		50	25	23.50	22.41	22.17	21.89
		50	50	23.50	22.56	21.63	22.14
		100	0	23.50	22.40	22.07	21.85
	16QAM	1	0	23.50	21.97	23.13	22.03
		1	50	23.50	23.07	23.18	22.57
		1	99	23.50	23.37	22.42	23.31
		50	0	22.00	20.96	21.42	20.40
		50	25	22.00	21.35	21.13	20.78
		50	50	22.00	21.57	20.60	21.04
		100	0	22.00	21.37	21.02	20.70

Table 127: Conducted power measurement results of LTE Band IV(Main Antenna)

After Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19957CH	20175CH	20393CH
1.4MHz	QPSK	1	0	22.00	20.19	21.34	21.87
		1	3	22.00	20.31	21.31	21.98
		1	5	22.00	20.25	21.12	21.83
		3	0	22.00	20.30	21.32	21.84
		3	2	22.00	20.33	21.31	21.91
		3	3	22.00	20.30	21.28	21.86
		6	0	22.00	20.28	21.27	21.85
	16QAM	1	0	22.00	20.50	21.49	21.75
		1	3	22.00	20.61	21.41	21.98
		1	5	22.00	20.55	21.28	21.86
		3	0	22.00	20.30	21.27	21.64
		3	2	22.00	20.34	21.41	21.73
		3	3	22.00	20.34	21.21	21.70
		6	0	20.80	19.14	20.30	20.76
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19965CH	20175CH	20385CH
3MHz	QPSK	1	0	22.00	20.10	21.47	21.42
		1	7	22.00	20.53	21.43	21.80
		1	14	22.00	20.36	20.91	21.73
		8	0	22.00	20.32	21.32	21.58
		8	4	22.00	20.43	21.28	21.69
		8	7	22.00	20.44	21.15	21.76
		15	0	22.00	20.35	21.24	21.74
	16QAM	1	0	22.00	20.41	21.51	21.50
		1	7	22.00	20.81	21.61	21.88
		1	14	22.00	20.66	21.17	21.79
		8	0	20.80	19.18	20.40	20.56
		8	4	20.80	19.30	20.31	20.71
		8	7	20.80	19.28	20.17	20.76
		15	0	20.80	19.14	20.22	20.59

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19975CH	20175CH	20375CH
5MHz	QPSK	1	0	22.00	20.15	21.55	21.11
		1	13	22.00	20.77	21.37	21.68
		1	24	22.00	20.59	20.65	21.63
		12	0	22.00	20.39	21.55	21.41
		12	6	22.00	20.62	21.34	21.55
		12	13	22.00	20.62	20.99	21.60
		25	0	22.00	20.47	21.19	21.63
	16QAM	1	0	22.00	20.33	21.64	21.06
		1	13	22.00	20.94	21.46	21.66
		1	24	22.00	20.78	20.72	21.59
		12	0	20.80	19.19	20.54	20.12
		12	6	20.80	19.41	20.40	20.31
		12	13	20.80	19.42	19.98	20.39
		25	0	20.80	19.25	20.18	20.34
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20000CH	20175CH	20350CH
10MHz	QPSK	1	0	22.00	20.02	21.56	20.58
		1	25	22.00	21.05	21.42	21.32
		1	49	22.00	21.18	20.16	21.61
		25	0	22.00	20.48	21.42	20.89
		25	13	22.00	20.87	21.25	21.16
		25	25	22.00	21.12	20.93	21.44
		50	0	22.00	20.84	21.21	21.18
	16QAM	1	0	22.00	20.37	21.71	20.73
		1	25	22.00	21.41	21.57	21.48
		1	49	22.00	21.50	20.37	21.78
		25	0	20.80	19.35	20.43	19.59
		25	13	20.80	19.77	20.24	19.89
		25	25	20.80	20.06	19.88	20.19
		50	0	20.80	19.72	20.16	19.89

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20025CH	20175CH	20325CH
15MHz	QPSK	1	0	22.00	20.13	21.59	20.38
		1	38	22.00	21.57	21.38	21.07
		1	74	22.00	21.62	20.01	21.56
		36	0	22.00	20.81	21.56	20.78
		36	18	22.00	21.34	21.21	20.98
		36	39	22.00	21.52	20.60	21.29
		75	0	22.00	21.21	21.13	21.01
	16QAM	1	0	22.00	20.39	21.75	20.73
		1	38	22.00	21.81	21.54	21.39
		1	74	22.00	21.87	20.24	21.82
		36	0	20.80	19.66	20.60	19.61
		36	18	20.80	20.25	20.21	19.83
		36	39	20.80	20.55	19.58	20.16
		75	0	20.80	20.14	20.14	19.83
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20050CH	20175CH	20300CH
20MHz	QPSK	1	0	22.00	20.31	21.64	20.64
		1	50	22.00	21.87	21.71	21.25
		1	99	22.00	21.91	20.58	21.74
		50	0	22.00	21.02	21.52	20.45
		50	25	22.00	21.45	21.27	20.84
		50	50	22.00	21.66	20.61	21.07
		100	0	22.00	21.42	21.12	20.76
	16QAM	1	0	22.00	20.81	21.83	20.90
		1	50	22.00	21.97	21.93	21.53
		1	99	22.00	21.96	20.88	21.99
		50	0	20.80	19.81	20.52	19.30
		50	25	20.80	20.37	20.24	19.64
		50	50	20.80	20.64	19.55	19.88
		100	0	20.80	20.35	20.08	19.60

Table 128: Conducted power measurement results of LTE Band IV(Main Antenna)

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19957CH	20175CH	20393CH
1.4MHz	QPSK	1	0	21.80	19.82	20.92	21.28
		1	3	21.80	19.83	20.84	21.44
		1	5	21.80	19.85	20.69	21.33
		3	0	21.80	19.82	20.85	21.33
		3	2	21.80	19.86	20.81	21.43
		3	3	21.80	19.84	20.76	21.40
		6	0	20.50	18.52	19.86	20.24
	16QAM	1	0	20.50	18.56	20.03	20.18
		1	3	20.50	18.77	20.09	20.33
		1	5	20.50	18.65	19.77	20.13
		3	0	20.50	18.51	20.05	20.12
		3	2	20.50	18.55	20.07	20.22
		3	3	20.50	18.68	19.95	20.22
		6	0	19.00	17.37	18.82	18.99
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19965CH	20175CH	20385CH
3MHz	QPSK	1	0	21.80	19.82	21.03	20.76
		1	7	21.80	19.95	20.88	21.20
		1	14	21.80	19.81	20.42	21.12
		8	0	20.50	18.52	19.98	19.83
		8	4	20.50	18.62	19.89	19.97
		8	7	20.50	18.63	19.74	19.99
		15	0	20.50	18.54	19.86	19.96
	16QAM	1	0	20.50	18.54	20.23	19.85
		1	7	20.50	18.77	20.11	20.32
		1	14	20.50	18.65	19.66	20.23
		8	0	19.00	17.38	18.82	18.80
		8	4	19.00	17.50	18.72	18.94
		8	7	19.00	17.52	18.56	18.97
		15	0	19.00	17.37	18.71	18.92

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19975CH	20175CH	20375CH
5MHz	QPSK	1	0	21.80	19.83	21.07	20.63
		1	13	21.80	20.13	20.86	21.25
		1	24	21.80	20.00	20.13	21.18
		12	0	20.50	18.63	20.19	19.74
		12	6	20.50	18.87	20.00	19.91
		12	13	20.50	18.88	19.57	19.98
		25	0	20.50	18.73	19.82	19.96
	16QAM	1	0	20.50	18.54	20.39	19.54
		1	13	20.50	19.17	20.18	20.16
		1	24	20.50	19.05	19.27	20.11
		12	0	19.00	17.38	18.96	18.46
		12	6	19.00	17.63	18.76	18.64
		12	13	19.00	17.66	18.26	18.74
		25	0	19.00	17.45	18.56	18.72
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20000CH	20175CH	20350CH
10MHz	QPSK	1	0	21.80	19.83	21.09	19.91
		1	25	21.80	20.61	20.89	20.66
		1	49	21.80	20.80	19.87	21.01
		25	0	20.50	18.79	20.10	19.05
		25	13	20.50	19.23	19.86	19.36
		25	25	20.50	19.54	19.48	19.69
		50	0	20.50	19.20	19.81	19.39
	16QAM	1	0	20.50	18.56	20.49	19.05
		1	25	20.50	19.68	20.30	19.81
		1	49	20.50	19.92	18.91	20.12
		25	0	19.00	17.59	18.91	17.82
		25	13	19.00	18.03	18.69	18.12
		25	25	19.00	18.35	18.23	18.51
		50	0	19.00	18.00	18.65	18.19

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20025CH	20175CH	20325CH
15MHz	QPSK	1	0	21.80	19.84	21.22	19.96
		1	38	21.80	21.01	20.89	20.56
		1	74	21.80	21.11	19.88	21.12
		36	0	20.50	19.07	20.31	19.04
		36	18	20.50	19.69	19.86	19.24
		36	39	20.50	20.00	19.09	19.61
		75	0	20.50	19.62	19.78	19.31
	16QAM	1	0	20.50	18.66	20.49	18.94
		1	38	20.50	20.20	20.18	19.56
		1	74	20.50	20.47	18.59	20.17
		36	0	19.00	17.91	18.94	17.85
		36	18	19.00	18.55	18.70	18.07
		36	39	19.00	18.92	17.93	18.43
		75	0	19.00	18.46	18.59	18.06
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20050CH	20175CH	20300CH
20MHz	QPSK	1	0	21.80	20.01	21.27	20.25
		1	50	21.80	21.44	21.26	20.67
		1	99	21.80	21.56	20.25	21.30
		50	0	20.50	19.36	20.25	18.80
		50	25	20.50	19.92	19.88	19.10
		50	50	20.50	20.20	19.07	19.38
		100	0	20.50	19.87	19.75	19.09
	16QAM	1	0	20.50	18.85	20.36	19.07
		1	50	20.50	20.40	20.32	19.44
		1	99	20.50	20.45	19.11	20.16
		50	0	19.00	18.13	18.96	17.51
		50	25	19.00	18.74	18.71	17.84
		50	50	19.00	18.94	17.90	18.13
		100	0	19.00	18.71	18.48	17.87

Table 129: Conducted power measurement results of LTE Band IV(Main Antenna)

After Wi-Fi Hotspot function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19957CH	20175CH	20393CH
1.4MHz	QPSK	1	0	23.30	21.31	22.45	22.78
		1	3	23.30	21.43	22.21	22.97
		1	5	23.30	21.36	22.01	22.85
		3	0	23.30	21.37	22.19	22.81
		3	2	23.30	21.44	22.21	22.91
		3	3	23.30	21.41	22.15	22.84
		6	0	22.00	20.27	21.20	21.88
	16QAM	1	0	22.00	20.35	21.38	21.73
		1	3	22.00	20.35	21.31	21.89
		1	5	22.00	20.42	21.17	21.78
		3	0	22.00	20.31	21.42	21.72
		3	2	22.00	20.37	21.36	21.69
		3	3	22.00	20.21	21.22	21.77
		6	0	21.70	20.25	21.18	21.67
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19965CH	20175CH	20385CH
3MHz	QPSK	1	0	23.30	21.36	22.56	22.29
		1	7	23.30	21.64	22.24	22.66
		1	14	23.30	21.49	21.79	22.52
		8	0	22.00	20.29	21.29	21.40
		8	4	22.00	20.42	21.21	21.52
		8	7	22.00	20.42	21.12	21.53
		15	0	22.00	20.33	21.16	21.50
	16QAM	1	0	22.00	20.26	21.52	21.49
		1	7	22.00	20.68	21.43	21.94
		1	14	22.00	20.52	20.98	21.78
		8	0	21.70	20.27	21.15	21.46
		8	4	21.70	20.38	21.11	21.57
		8	7	21.70	20.39	20.98	21.68
		15	0	21.70	20.25	21.02	21.55

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19975CH	20175CH	20375CH
5MHz	QPSK	1	0	23.30	21.39	22.65	22.21
		1	13	23.30	21.87	22.33	22.76
		1	24	23.30	21.73	21.58	22.65
		12	0	22.00	20.42	21.50	21.42
		12	6	22.00	20.64	21.35	21.56
		12	13	22.00	20.65	20.95	21.67
		25	0	22.00	20.50	21.16	21.64
	16QAM	1	0	22.00	20.37	21.62	21.23
		1	13	22.00	21.03	21.45	21.89
		1	24	22.00	20.83	20.75	21.77
		12	0	21.70	20.29	21.42	21.21
		12	6	21.70	20.51	21.23	21.33
		12	13	21.70	20.54	20.86	21.40
		25	0	21.70	20.39	21.07	21.35
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20000CH	20175CH	20350CH
10MHz	QPSK	1	0	23.30	21.37	22.64	21.72
		1	25	23.30	22.19	22.34	22.43
		1	49	23.30	22.24	21.31	22.67
		25	0	22.00	20.50	21.45	20.91
		25	13	22.00	20.89	21.25	21.18
		25	25	22.00	21.15	20.93	21.52
		50	0	22.00	20.86	21.21	21.21
	16QAM	1	0	22.00	20.34	21.60	20.54
		1	25	22.00	21.36	21.45	21.28
		1	49	22.00	21.47	20.24	21.60
		25	0	21.70	20.50	21.30	20.65
		25	13	21.70	20.87	21.13	20.92
		25	25	21.70	21.12	20.82	21.26
		50	0	21.70	20.80	21.06	20.97

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20025CH	20175CH	20325CH
15MHz	QPSK	1	0	23.30	21.31	22.47	21.53
		1	38	23.30	22.55	22.26	22.20
		1	74	23.30	22.54	21.38	22.58
		36	0	22.00	20.78	21.55	20.74
		36	18	22.00	21.31	21.18	20.95
		36	39	22.00	21.50	20.58	21.27
		75	0	22.00	21.20	21.12	20.99
	16QAM	1	0	22.00	20.51	21.91	20.74
		1	38	22.00	21.79	21.64	21.41
		1	74	22.00	21.77	20.48	21.88
		36	0	21.70	20.77	21.48	20.73
		36	18	21.70	21.26	21.14	20.92
		36	39	21.70	21.54	20.55	21.24
		75	0	21.70	21.15	21.02	20.91
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20050CH	20175CH	20300CH
20MHz	QPSK	1	0	23.30	21.57	22.78	21.79
		1	50	23.30	22.95	22.76	22.30
		1	99	23.30	22.94	21.74	22.86
		50	0	22.00	20.95	21.48	20.42
		50	25	22.00	21.35	21.18	20.78
		50	50	22.00	21.47	20.55	21.05
		100	0	22.00	21.36	21.06	20.74
	16QAM	1	0	22.00	20.94	21.92	21.07
		1	50	22.00	21.98	21.94	21.63
		1	99	22.00	21.98	21.05	21.99
		50	0	21.70	20.87	21.38	20.32
		50	25	21.70	21.23	21.09	20.70
		50	50	21.70	21.45	20.57	20.96
		100	0	21.70	21.25	20.94	20.65

Table 130: Conducted power measurement results of LTE Band IV(Main Antenna)

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19957CH	20175CH	20393CH
1.4MHz	QPSK	1	0	21.80	19.82	20.92	21.28
		1	3	21.80	19.83	20.84	21.44
		1	5	21.80	19.85	20.69	21.33
		3	0	21.80	19.82	20.85	21.33
		3	2	21.80	19.86	20.81	21.43
		3	3	21.80	19.84	20.76	21.40
		6	0	20.50	18.52	19.86	20.24
	16QAM	1	0	20.50	18.56	20.03	20.18
		1	3	20.50	18.77	20.09	20.33
		1	5	20.50	18.65	19.77	20.13
		3	0	20.50	18.51	20.05	20.12
		3	2	20.50	18.55	20.07	20.22
		3	3	20.50	18.68	19.95	20.22
		6	0	19.00	17.37	18.82	18.99
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19965CH	20175CH	20385CH
3MHz	QPSK	1	0	21.80	19.82	21.03	20.76
		1	7	21.80	19.95	20.88	21.20
		1	14	21.80	19.81	20.42	21.12
		8	0	20.50	18.52	19.98	19.83
		8	4	20.50	18.62	19.89	19.97
		8	7	20.50	18.63	19.74	19.99
		15	0	20.50	18.54	19.86	19.96
	16QAM	1	0	20.50	18.54	20.23	19.85
		1	7	20.50	18.77	20.11	20.32
		1	14	20.50	18.65	19.66	20.23
		8	0	19.00	17.38	18.82	18.80
		8	4	19.00	17.50	18.72	18.94
		8	7	19.00	17.52	18.56	18.97
		15	0	19.00	17.37	18.71	18.92

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					19975CH	20175CH	20375CH
5MHz	QPSK	1	0	21.80	19.83	21.07	20.63
		1	13	21.80	20.13	20.86	21.25
		1	24	21.80	20.00	20.13	21.18
		12	0	20.50	18.63	20.19	19.74
		12	6	20.50	18.87	20.00	19.91
		12	13	20.50	18.88	19.57	19.98
		25	0	20.50	18.73	19.82	19.96
	16QAM	1	0	20.50	18.54	20.39	19.54
		1	13	20.50	19.17	20.18	20.16
		1	24	20.50	19.05	19.27	20.11
		12	0	19.00	17.38	18.96	18.46
		12	6	19.00	17.63	18.76	18.64
		12	13	19.00	17.66	18.26	18.74
		25	0	19.00	17.45	18.56	18.72
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20000CH	20175CH	20350CH
10MHz	QPSK	1	0	21.80	19.83	21.09	19.91
		1	25	21.80	20.61	20.89	20.66
		1	49	21.80	20.80	19.87	21.01
		25	0	20.50	18.79	20.10	19.05
		25	13	20.50	19.23	19.86	19.36
		25	25	20.50	19.54	19.48	19.69
		50	0	20.50	19.20	19.81	19.39
	16QAM	1	0	20.50	18.56	20.49	19.05
		1	25	20.50	19.68	20.30	19.81
		1	49	20.50	19.92	18.91	20.12
		25	0	19.00	17.59	18.91	17.82
		25	13	19.00	18.03	18.69	18.12
		25	25	19.00	18.35	18.23	18.51
		50	0	19.00	18.00	18.65	18.19

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20025CH	20175CH	20325CH
15MHz	QPSK	1	0	21.80	19.84	21.22	19.96
		1	38	21.80	21.01	20.89	20.56
		1	74	21.80	21.11	19.88	21.12
		36	0	20.50	19.07	20.31	19.04
		36	18	20.50	19.69	19.86	19.24
		36	39	20.50	20.00	19.09	19.61
		75	0	20.50	19.62	19.78	19.31
	16QAM	1	0	20.50	18.66	20.49	18.94
		1	38	20.50	20.20	20.18	19.56
		1	74	20.50	20.47	18.59	20.17
		36	0	19.00	17.91	18.94	17.85
		36	18	19.00	18.55	18.70	18.07
		36	39	19.00	18.92	17.93	18.43
		75	0	19.00	18.46	18.59	18.06
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20050CH	20175CH	20300CH
20MHz	QPSK	1	0	21.80	20.01	21.27	20.25
		1	50	21.80	21.44	21.26	20.67
		1	99	21.80	21.56	20.25	21.30
		50	0	20.50	19.36	20.25	18.80
		50	25	20.50	19.92	19.88	19.10
		50	50	20.50	20.20	19.07	19.38
		100	0	20.50	19.87	19.75	19.09
	16QAM	1	0	20.50	18.85	20.36	19.07
		1	50	20.50	20.40	20.32	19.44
		1	99	20.50	20.45	19.11	20.16
		50	0	19.00	18.13	18.96	17.51
		50	25	19.00	18.74	18.71	17.84
		50	50	19.00	18.94	17.90	18.13
		100	0	19.00	18.71	18.48	17.87

Table 131: Conducted power measurement results of LTE Band IV(Main Antenna)

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

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20407CH	20525CH	20643CH
1.4MHz	QPSK	1	0	24.00	23.22	23.06	22.66
		1	3	24.00	23.30	23.08	22.80
		1	5	24.00	23.18	22.93	22.80
		3	0	24.00	23.24	23.06	22.74
		3	2	24.00	23.26	23.05	22.76
		3	3	24.00	23.21	22.97	22.78
		6	0	23.00	22.27	21.98	21.90
	16QAM	1	0	23.00	22.32	22.05	22.00
		1	3	23.00	22.46	21.95	22.09
		1	5	23.00	22.35	21.81	21.92
		3	0	23.00	22.20	21.97	21.69
		3	2	23.00	22.22	21.94	21.75
		3	3	23.00	22.31	21.85	21.79
		6	0	22.00	21.26	20.95	20.86
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20415CH	20525CH	20635CH
3MHz	QPSK	1	0	24.00	23.16	22.96	22.70
		1	7	24.00	23.34	23.04	22.80
		1	14	24.00	23.13	22.79	22.81
		8	0	23.00	22.26	21.96	21.89
		8	4	23.00	22.29	21.92	21.88
		8	7	23.00	22.23	21.92	21.85
		15	0	23.00	22.24	21.89	21.90
	16QAM	1	0	23.00	22.31	22.09	21.89
		1	7	23.00	22.50	22.16	21.96
		1	14	23.00	22.17	22.10	21.92
		8	0	22.00	21.32	21.07	20.89
		8	4	22.00	21.34	21.02	20.90
		8	7	22.00	21.27	21.00	20.84
		15	0	22.00	21.23	20.92	20.86

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20425CH	20525CH	20625CH
5MHz	QPSK	1	0	24.00	23.18	22.86	23.09
		1	13	24.00	23.35	23.02	22.79
		1	24	24.00	22.99	22.84	22.67
		12	0	23.00	22.24	22.01	22.02
		12	6	23.00	22.28	21.98	22.05
		12	13	23.00	22.13	21.90	21.83
		25	0	23.00	22.15	21.96	21.97
	16QAM	1	0	23.00	22.22	22.10	22.22
		1	13	23.00	22.41	22.20	22.06
		1	24	23.00	22.06	22.04	21.97
		12	0	22.00	21.29	21.10	21.05
		12	6	22.00	21.32	21.05	20.96
		12	13	22.00	21.19	20.96	20.78
		25	0	22.00	21.16	21.01	20.87
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20450CH	20525CH	20600CH
10MHz	QPSK	1	0	24.00	23.09	22.77	22.98
		1	25	24.00	23.22	23.04	23.20
		1	49	24.00	22.77	22.87	22.54
		25	0	23.00	22.13	21.93	22.07
		25	13	23.00	22.15	21.98	22.17
		25	25	23.00	21.98	21.86	21.98
		50	0	23.00	22.06	21.97	22.10
	16QAM	1	0	23.00	22.12	21.95	22.23
		1	25	23.00	22.32	22.16	22.40
		1	49	23.00	21.89	22.03	21.86
		25	0	22.00	21.20	21.01	21.04
		25	13	22.00	21.22	21.06	21.14
		25	25	22.00	21.06	20.92	20.89
		50	0	22.00	21.13	21.01	21.07

Table 132: Conducted power measurement results of LTE Band V(Main Antenna)

7.1.27 Conducted power measurements of LTE Band VII(Main Antenna)

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20775CH	21100CH	21425CH
5MHz	QPSK	1	0	24.00	22.23	22.55	22.80
		1	13	24.00	22.53	22.62	22.83
		1	24	24.00	22.37	22.35	22.49
		12	0	23.00	21.57	21.84	21.88
		12	6	23.00	21.66	21.84	21.85
		12	13	23.00	21.55	21.64	21.67
		25	0	23.00	21.55	21.72	21.74
	16QAM	1	0	23.00	21.45	21.84	21.94
		1	13	23.00	21.69	21.93	21.93
		1	24	23.00	21.47	21.59	21.73
		12	0	22.00	20.58	20.86	21.02
		12	6	22.00	20.68	20.86	21.01
		12	13	22.00	20.57	20.65	20.81
		25	0	22.00	20.50	20.72	20.85
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20800CH	21100CH	21400CH
10MHz	QPSK	1	0	24.00	22.30	22.53	22.87
		1	25	24.00	22.72	22.67	22.92
		1	49	24.00	22.60	22.50	22.56
		25	0	23.00	21.60	21.79	21.94
		25	13	23.00	21.70	21.78	21.90
		25	25	23.00	21.69	21.72	21.77
		50	0	23.00	21.65	21.71	21.85
	16QAM	1	0	23.00	21.62	21.95	22.05
		1	25	23.00	21.90	22.10	22.08
		1	49	23.00	21.87	21.92	21.78
		25	0	22.00	20.50	20.83	20.95
		25	13	22.00	20.61	20.82	20.91
		25	25	22.00	20.58	20.74	20.78
		50	0	22.00	20.54	20.77	20.85

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20825CH	21100CH	21375CH
15MHz	QPSK	1	0	24.00	22.15	22.41	22.78
		1	38	24.00	22.79	22.70	22.97
		1	74	24.00	22.46	22.57	22.46
		36	0	23.00	21.55	21.77	21.92
		36	18	23.00	21.72	21.82	22.00
		36	39	23.00	21.68	21.78	21.80
		75	0	23.00	21.62	21.77	21.89
	16QAM	1	0	23.00	21.34	21.65	21.86
		1	38	23.00	22.00	22.05	22.03
		1	74	23.00	21.73	21.85	21.56
		36	0	22.00	20.54	20.76	20.90
		36	18	22.00	20.73	20.82	20.96
		36	39	22.00	20.68	20.76	20.75
		75	0	22.00	20.57	20.75	20.82
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20850CH	21100CH	21350CH
20MHz	QPSK	1	0	24.00	22.34	22.69	23.00
		1	50	24.00	22.84	22.81	23.05
		1	99	24.00	22.71	22.97	22.55
		50	0	23.00	21.71	21.86	22.02
		50	25	23.00	21.83	21.88	22.01
		50	50	23.00	21.85	21.82	21.85
		100	0	23.00	21.76	21.88	21.99
	16QAM	1	0	23.00	21.76	22.00	22.25
		1	50	23.00	22.40	22.14	22.29
		1	99	23.00	22.15	22.24	21.86
		50	0	22.00	20.66	20.78	21.01
		50	25	22.00	20.77	20.79	20.98
		50	50	22.00	20.79	20.71	20.81
		100	0	22.00	20.73	20.80	20.92

Table 133: Conducted power measurement results of LTE Band VII(Main Antenna)

After Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20775CH	21100CH	21425CH
5MHz	QPSK	1	0	22.00	20.49	21.00	20.72
		1	13	22.00	20.80	21.12	20.84
		1	24	22.00	20.55	20.64	20.46
		12	0	21.50	20.66	21.11	19.96
		12	6	21.50	20.75	21.11	19.97
		12	13	21.50	20.66	20.87	19.77
		25	0	21.50	20.62	20.97	19.85
	16QAM	1	0	21.50	20.39	20.91	19.96
		1	13	21.50	20.68	21.01	20.02
		1	24	21.50	20.44	20.56	19.66
		12	0	21.00	20.54	20.76	19.87
		12	6	21.00	20.63	20.75	19.86
		12	13	21.00	20.56	20.55	19.66
		25	0	21.00	20.43	20.61	19.72
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20800CH	21100CH	21400CH
10MHz	QPSK	1	0	22.00	20.54	20.96	20.78
		1	25	22.00	21.05	21.04	20.95
		1	49	22.00	20.80	20.65	20.61
		25	0	21.50	20.76	20.94	19.95
		25	13	21.50	20.90	20.94	19.97
		25	25	21.50	20.87	20.79	19.85
		50	0	21.50	20.80	20.84	19.89
	16QAM	1	0	21.50	20.35	20.79	19.91
		1	25	21.50	20.86	21.04	20.11
		1	49	21.50	20.66	20.69	19.69
		25	0	21.00	20.49	20.70	19.77
		25	13	21.00	20.64	20.68	19.77
		25	25	21.00	20.63	20.56	19.64
		50	0	21.00	20.55	20.60	19.70

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20825CH	21100CH	21375CH
15MHz	QPSK	1	0	22.00	20.28	20.50	20.51
		1	38	22.00	21.05	20.99	20.93
		1	74	22.00	20.55	20.41	20.45
		36	0	21.50	20.70	20.78	19.84
		36	18	21.50	20.92	20.87	19.93
		36	39	21.50	20.84	20.67	19.76
		75	0	21.50	20.76	20.72	19.79
	16QAM	1	0	21.50	20.29	20.53	19.70
		1	38	21.50	21.05	21.01	20.05
		1	74	21.50	20.66	20.43	19.57
		36	0	21.00	20.50	20.58	19.71
		36	18	21.00	20.73	20.66	19.78
		36	39	21.00	20.68	20.48	19.59
		75	0	21.00	20.55	20.51	19.60
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20850CH	21100CH	21350CH
20MHz	QPSK	1	0	22.00	20.37	20.74	20.83
		1	50	22.00	20.80	20.92	20.95
		1	99	22.00	20.60	20.86	20.62
		50	0	21.50	20.79	20.83	19.94
		50	25	21.50	20.94	20.85	19.90
		50	50	21.50	20.87	20.70	19.78
		100	0	21.50	20.81	20.76	19.85
	16QAM	1	0	21.50	20.58	20.88	20.29
		1	50	21.50	21.09	21.06	20.14
		1	99	21.50	20.93	20.67	19.81
		50	0	21.00	20.61	20.63	19.84
		50	25	21.00	20.78	20.65	19.78
		50	50	21.00	20.73	20.52	19.65
		100	0	21.00	20.69	20.58	19.72

Table 134: Conducted power measurement results of LTE Band VII(Main Antenna)

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20775CH	21100CH	21425CH
5MHz	QPSK	1	0	22.50	20.64	21.15	21.33
		1	13	22.50	20.96	21.25	21.40
		1	24	22.50	20.63	20.87	21.05
		12	0	22.00	20.85	21.25	21.41
		12	6	22.00	20.94	21.24	21.40
		12	13	22.00	20.81	21.03	21.19
		25	0	22.00	20.82	21.12	21.27
	16QAM	1	0	22.00	20.74	21.14	21.31
		1	13	22.00	21.08	21.25	21.34
		1	24	22.00	20.80	20.89	21.05
		12	0	21.00	20.47	20.80	19.82
		12	6	21.00	20.57	20.79	19.84
		12	13	21.00	20.50	20.55	19.64
		25	0	21.00	20.41	20.61	19.68
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20800CH	21100CH	21400CH
10MHz	QPSK	1	0	22.50	20.62	20.94	21.31
		1	25	22.50	21.01	21.19	21.45
		1	49	22.50	20.77	20.91	21.11
		25	0	22.00	20.85	21.06	21.36
		25	13	22.00	20.92	21.06	21.34
		25	25	22.00	20.89	20.98	21.21
		50	0	22.00	20.88	20.98	21.27
	16QAM	1	0	22.00	20.73	20.96	21.42
		1	25	22.00	21.16	21.18	21.55
		1	49	22.00	21.00	20.95	21.23
		25	0	21.00	20.54	20.72	19.76
		25	13	21.00	20.68	20.71	19.77
		25	25	21.00	20.67	20.58	19.65
		50	0	21.00	20.58	20.62	19.70

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20825CH	21100CH	21375CH
15MHz	QPSK	1	0	22.50	20.57	20.79	21.02
		1	38	22.50	21.09	21.24	21.42
		1	74	22.50	20.62	20.90	20.93
		36	0	22.00	20.83	21.08	21.19
		36	18	22.00	21.00	21.15	21.34
		36	39	22.00	20.92	21.14	21.15
		75	0	22.00	20.89	21.08	21.21
	16QAM	1	0	22.00	20.59	20.92	21.23
		1	38	22.00	21.28	21.33	21.50
		1	74	22.00	20.94	21.12	21.06
		36	0	21.00	20.53	20.60	19.71
		36	18	21.00	20.76	20.67	19.78
		36	39	21.00	20.70	20.49	19.60
		75	0	21.00	20.59	20.53	19.62
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20850CH	21100CH	21350CH
20MHz	QPSK	1	0	22.50	20.74	21.12	21.27
		1	50	22.50	21.21	21.30	21.39
		1	99	22.50	20.97	21.30	21.04
		50	0	22.00	20.99	21.18	21.40
		50	25	22.00	21.08	21.20	21.37
		50	50	22.00	21.07	21.16	21.23
		100	0	22.00	21.01	21.22	21.33
	16QAM	1	0	22.00	21.04	21.35	21.66
		1	50	22.00	21.56	21.52	21.73
		1	99	22.00	21.35	21.54	21.38
		50	0	21.00	20.59	20.62	19.81
		50	25	21.00	20.77	20.66	19.78
		50	50	21.00	20.72	20.52	19.65
		100	0	21.00	20.68	20.59	19.75

Table 135: Conducted power measurement results of LTE Band VII(Main Antenna)

After Wi-Fi Hotspot function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20775CH	21100CH	21425CH
5MHz	QPSK	1	0	22.00	20.49	21.00	20.72
		1	13	22.00	20.80	21.12	20.84
		1	24	22.00	20.55	20.64	20.46
		12	0	21.50	20.66	21.11	19.96
		12	6	21.50	20.75	21.11	19.97
		12	13	21.50	20.66	20.87	19.77
		25	0	21.50	20.62	20.97	19.85
	16QAM	1	0	21.50	20.39	20.91	19.96
		1	13	21.50	20.68	21.01	20.02
		1	24	21.50	20.44	20.56	19.66
		12	0	21.00	20.54	20.76	19.87
		12	6	21.00	20.63	20.75	19.86
		12	13	21.00	20.56	20.55	19.66
		25	0	21.00	20.43	20.61	19.72
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20800CH	21100CH	21400CH
10MHz	QPSK	1	0	22.00	20.54	20.96	20.78
		1	25	22.00	21.05	21.04	20.95
		1	49	22.00	20.80	20.65	20.61
		25	0	21.50	20.76	20.94	19.95
		25	13	21.50	20.90	20.94	19.97
		25	25	21.50	20.87	20.79	19.85
		50	0	21.50	20.80	20.84	19.89
	16QAM	1	0	21.50	20.35	20.79	19.91
		1	25	21.50	20.86	21.04	20.11
		1	49	21.50	20.66	20.69	19.69
		25	0	21.00	20.49	20.70	19.77
		25	13	21.00	20.64	20.68	19.77
		25	25	21.00	20.63	20.56	19.64
		50	0	21.00	20.55	20.60	19.70

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20825CH	21100CH	21375CH
15MHz	QPSK	1	0	22.00	20.28	20.50	20.51
		1	38	22.00	21.05	20.99	20.93
		1	74	22.00	20.55	20.41	20.45
		36	0	21.50	20.70	20.78	19.84
		36	18	21.50	20.92	20.87	19.93
		36	39	21.50	20.84	20.67	19.76
		75	0	21.50	20.76	20.72	19.79
	16QAM	1	0	21.50	20.29	20.53	19.70
		1	38	21.50	21.05	21.01	20.05
		1	74	21.50	20.66	20.43	19.57
		36	0	21.00	20.50	20.58	19.71
		36	18	21.00	20.73	20.66	19.78
		36	39	21.00	20.68	20.48	19.59
		75	0	21.00	20.55	20.51	19.60
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20850CH	21100CH	21350CH
20MHz	QPSK	1	0	22.00	20.37	20.74	20.83
		1	50	22.00	20.80	20.92	20.95
		1	99	22.00	20.60	20.86	20.62
		50	0	21.50	20.79	20.83	19.94
		50	25	21.50	20.94	20.85	19.90
		50	50	21.50	20.87	20.70	19.78
		100	0	21.50	20.81	20.76	19.85
	16QAM	1	0	21.50	20.58	20.88	20.29
		1	50	21.50	21.09	21.06	20.14
		1	99	21.50	20.93	20.67	19.81
		50	0	21.00	20.61	20.63	19.84
		50	25	21.00	20.78	20.65	19.78
		50	50	21.00	20.73	20.52	19.65
		100	0	21.00	20.69	20.58	19.72

Table 136: Conducted power measurement results of LTE Band VII(Main Antenna)

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20775CH	21100CH	21425CH
5MHz	QPSK	1	0	22.50	20.64	21.15	21.33
		1	13	22.50	20.96	21.25	21.40
		1	24	22.50	20.63	20.87	21.05
		12	0	22.00	20.85	21.25	21.41
		12	6	22.00	20.94	21.24	21.40
		12	13	22.00	20.81	21.03	21.19
		25	0	22.00	20.82	21.12	21.27
	16QAM	1	0	22.00	20.74	21.14	21.31
		1	13	22.00	21.08	21.25	21.34
		1	24	22.00	20.80	20.89	21.05
		12	0	21.00	20.47	20.80	19.82
		12	6	21.00	20.57	20.79	19.84
		12	13	21.00	20.50	20.55	19.64
		25	0	21.00	20.41	20.61	19.68
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20800CH	21100CH	21400CH
10MHz	QPSK	1	0	22.50	20.62	20.94	21.31
		1	25	22.50	21.01	21.19	21.45
		1	49	22.50	20.77	20.91	21.11
		25	0	22.00	20.85	21.06	21.36
		25	13	22.00	20.92	21.06	21.34
		25	25	22.00	20.89	20.98	21.21
		50	0	22.00	20.88	20.98	21.27
	16QAM	1	0	22.00	20.73	20.96	21.42
		1	25	22.00	21.16	21.18	21.55
		1	49	22.00	21.00	20.95	21.23
		25	0	21.00	20.54	20.72	19.76
		25	13	21.00	20.68	20.71	19.77
		25	25	21.00	20.67	20.58	19.65
		50	0	21.00	20.58	20.62	19.70

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20825CH	21100CH	21375CH
15MHz	QPSK	1	0	22.50	20.57	20.79	21.02
		1	38	22.50	21.09	21.24	21.42
		1	74	22.50	20.62	20.90	20.93
		36	0	22.00	20.83	21.08	21.19
		36	18	22.00	21.00	21.15	21.34
		36	39	22.00	20.92	21.14	21.15
		75	0	22.00	20.89	21.08	21.21
	16QAM	1	0	22.00	20.59	20.92	21.23
		1	38	22.00	21.28	21.33	21.50
		1	74	22.00	20.94	21.12	21.06
		36	0	21.00	20.53	20.60	19.71
		36	18	21.00	20.76	20.67	19.78
		36	39	21.00	20.70	20.49	19.60
		75	0	21.00	20.59	20.53	19.62
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					20850CH	21100CH	21350CH
20MHz	QPSK	1	0	22.50	20.74	21.12	21.27
		1	50	22.50	21.21	21.30	21.39
		1	99	22.50	20.97	21.30	21.04
		50	0	22.00	20.99	21.18	21.40
		50	25	22.00	21.08	21.20	21.37
		50	50	22.00	21.07	21.16	21.23
		100	0	22.00	21.01	21.22	21.33
	16QAM	1	0	22.00	21.04	21.35	21.66
		1	50	22.00	21.56	21.52	21.73
		1	99	22.00	21.35	21.54	21.38
		50	0	21.00	20.59	20.62	19.81
		50	25	21.00	20.77	20.66	19.78
		50	50	21.00	20.72	20.52	19.65
		100	0	21.00	20.68	20.59	19.75

Table 137: Conducted power measurement results of LTE Band VII(Main Antenna)

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

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23107CH	23095CH	23173CH
1.4MHz	QPSK	1	0	24.00	22.41	22.70	22.44
		1	3	24.00	22.68	22.77	22.09
		1	5	24.00	22.65	22.78	22.09
		3	0	24.00	22.48	22.81	22.06
		3	2	24.00	22.65	22.79	22.05
		3	3	24.00	22.65	22.68	22.04
		6	0	23.00	21.70	21.79	21.15
	16QAM	1	0	23.00	21.70	22.02	21.18
		1	3	23.00	21.97	22.19	21.05
		1	5	23.00	21.95	22.03	21.03
		3	0	23.00	21.64	21.78	21.08
		3	2	23.00	21.76	21.82	21.14
		3	3	23.00	21.83	21.87	21.07
		6	0	22.00	20.72	20.96	20.21
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23025CH	23095CH	23165CH
3MHz	QPSK	1	0	24.00	22.25	22.54	23.06
		1	7	24.00	22.98	22.84	22.49
		1	14	24.00	22.73	22.64	22.05
		8	0	23.00	21.74	21.82	21.87
		8	4	23.00	21.98	21.85	21.30
		8	7	23.00	21.82	21.85	21.04
		15	0	23.00	21.73	21.83	21.34
	16QAM	1	0	23.00	21.54	21.71	22.04
		1	7	23.00	22.26	22.11	21.59
		1	14	23.00	21.95	21.75	21.09
		8	0	22.00	20.69	20.92	20.98
		8	4	22.00	21.03	21.01	20.44
		8	7	22.00	20.88	20.97	20.05
		15	0	22.00	20.80	20.92	20.40

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23035CH	23095CH	23155CH
5MHz	QPSK	1	0	24.00	22.24	22.46	22.84
		1	13	24.00	22.95	22.95	23.05
		1	24	24.00	22.15	22.09	22.15
		12	0	23.00	21.74	21.78	22.21
		12	6	23.00	21.87	21.94	22.02
		12	13	23.00	21.93	21.68	21.06
		25	0	23.00	21.76	21.74	21.75
	16QAM	1	0	23.00	21.52	21.86	22.27
		1	13	23.00	22.27	22.26	22.40
		1	24	23.00	21.03	21.07	21.11
		12	0	22.00	20.82	20.94	21.26
		12	6	22.00	20.98	21.08	21.11
		12	13	22.00	20.99	20.78	20.22
		25	0	22.00	20.81	20.82	20.82
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23060CH	23095CH	23130CH
10MHz	QPSK	1	0	24.00	22.11	22.33	22.47
		1	25	24.00	22.88	22.92	23.14
		1	49	24.00	23.24	23.20	22.07
		25	0	23.00	21.61	21.64	21.94
		25	13	23.00	21.74	21.78	22.13
		25	25	23.00	21.46	21.75	21.49
		50	0	23.00	21.63	21.66	22.06
	16QAM	1	0	23.00	21.56	21.79	21.68
		1	25	23.00	22.26	22.28	22.49
		1	49	23.00	22.50	22.46	21.11
		25	0	22.00	20.62	20.78	20.99
		25	13	22.00	20.82	20.86	21.10
		25	25	22.00	20.55	20.85	20.53
		50	0	22.00	20.70	20.79	21.10

Table 138: Conducted power measurement results of LTE Band XII(Main Antenna)

7.1.29 Conducted power measurements of LTE Band XVII(Main Antenna)

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23755CH	23790CH	23825CH
5MHz	QPSK	1	0	24.00	22.70	22.64	22.83
		1	13	24.00	22.79	22.99	22.92
		1	24	24.00	22.65	22.81	22.89
		12	0	23.00	21.86	21.84	21.95
		12	6	23.00	21.88	21.95	21.96
		12	13	23.00	21.84	21.85	21.61
		25	0	23.00	21.86	21.86	21.71
	16QAM	1	0	23.00	21.88	21.78	21.97
		1	13	23.00	22.04	22.12	22.09
		1	24	23.00	21.87	21.91	21.14
		12	0	22.00	21.83	21.73	21.80
		12	6	22.00	21.84	21.86	21.80
		12	13	22.00	21.77	21.75	21.44
		25	0	22.00	21.74	21.70	21.51
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					23780CH	23790CH	23800CH
10MHz	QPSK	1	0	24.00	22.61	22.39	22.46
		1	25	24.00	23.03	22.96	23.01
		1	49	24.00	22.61	22.35	22.01
		25	0	23.00	21.82	21.69	21.70
		25	13	23.00	21.92	21.87	21.89
		25	25	23.00	21.86	21.72	21.64
		50	0	23.00	21.80	21.69	21.65
	16QAM	1	0	23.00	21.72	21.66	21.67
		1	25	23.00	22.17	22.24	22.26
		1	49	23.00	21.56	21.61	21.15
		25	0	22.00	21.68	21.56	21.56
		25	13	22.00	21.79	21.75	21.76
		25	25	22.00	21.69	21.60	21.51
		50	0	22.00	21.59	21.55	21.53

Table 139: Conducted power measurement results of LTE Band XVII(Main Antenna)

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

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	24.00	22.45	22.39	22.12
		1	3	24.00	22.56	22.49	22.11
		1	5	24.00	22.45	22.29	22.23
		3	0	24.00	22.47	22.40	22.13
		3	2	24.00	22.50	22.39	22.15
		3	3	24.00	22.46	22.35	22.22
		6	0	23.00	21.48	21.44	21.20
	16QAM	1	0	23.00	21.62	21.58	21.41
		1	3	23.00	21.73	21.62	21.50
		1	5	23.00	21.78	21.54	21.50
		3	0	23.00	21.39	21.54	21.23
		3	2	23.00	21.53	21.49	21.17
		3	3	23.00	21.49	21.50	21.32
		6	0	22.00	21.53	21.42	21.19
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26705CH	26865CH	27025CH
3MHz	QPSK	1	0	24.00	22.40	22.40	22.10
		1	7	24.00	22.76	22.51	22.24
		1	14	24.00	22.49	22.23	22.17
		8	0	23.00	21.58	21.48	21.20
		8	4	23.00	21.62	21.45	21.20
		8	7	23.00	21.56	21.42	21.17
		15	0	23.00	21.56	21.41	21.23
	16QAM	1	0	23.00	21.34	21.50	21.40
		1	7	23.00	21.60	21.62	21.51
		1	14	23.00	21.32	21.59	21.18
		8	0	22.00	21.52	21.43	21.17
		8	4	22.00	21.53	21.39	21.12
		8	7	22.00	21.49	21.36	21.08
		15	0	22.00	21.46	21.36	21.14

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26715CH	26865CH	27015CH
5MHz	QPSK	1	0	24.00	22.51	22.43	22.34
		1	13	24.00	22.71	22.55	22.15
		1	24	24.00	22.42	22.30	22.06
		12	0	23.00	21.58	21.54	21.40
		12	6	23.00	21.65	21.51	21.30
		12	13	23.00	21.47	21.44	21.16
		25	0	23.00	21.45	21.46	21.20
	16QAM	1	0	23.00	21.59	21.43	21.46
		1	13	23.00	21.82	21.58	21.28
		1	24	23.00	21.51	21.26	21.10
		12	0	22.00	21.50	21.49	21.35
		12	6	22.00	21.58	21.46	21.25
		12	13	22.00	21.42	21.39	21.10
		25	0	22.00	21.38	21.35	21.08
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26750CH	26865CH	26990CH
10MHz	QPSK	1	0	24.00	22.40	22.36	22.32
		1	25	24.00	22.60	22.48	22.49
		1	49	24.00	22.39	22.24	22.01
		25	0	23.00	21.42	21.52	21.41
		25	13	23.00	21.52	21.47	21.37
		25	25	23.00	21.48	21.41	21.21
		50	0	23.00	21.45	21.38	21.26
	16QAM	1	0	23.00	21.57	21.65	21.54
		1	25	23.00	21.85	21.75	21.78
		1	49	23.00	21.64	21.45	21.12
		25	0	22.00	21.38	21.43	21.32
		25	13	22.00	21.46	21.39	21.28
		25	25	22.00	21.42	21.33	21.10
		50	0	22.00	21.38	21.29	21.16

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					26775CH	26865CH	26965CH
15MHz	QPSK	1	0	24.00	22.24	22.30	22.03
		1	38	24.00	22.66	22.54	22.57
		1	74	24.00	22.08	22.13	22.01
		36	0	23.00	21.39	21.42	21.23
		36	18	23.00	21.55	21.37	21.37
		36	39	23.00	21.47	21.27	21.19
		75	0	23.00	21.45	21.31	21.16
	16QAM	1	0	23.00	21.27	21.33	21.03
		1	38	23.00	21.82	21.67	21.81
		1	74	23.00	21.21	21.19	22.05
		36	0	22.00	21.31	21.36	21.14
		36	18	22.00	21.48	21.30	21.30
		36	39	22.00	21.40	21.21	21.11
		75	0	22.00	21.35	21.21	21.06

Table 140: Conducted power measurement results of LTE Band XXVI(Main Antenna)

7.1.31 Conducted power measurements of LTE Band XXXVIII(Main Antenna)

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37775CH	38000CH	38225CH
5MHz	QPSK	1	0	24.20	22.91	23.32	23.38
		1	13	24.20	23.06	23.34	23.64
		1	24	24.20	22.70	22.89	23.21
		12	0	23.20	22.56	22.90	23.07
		12	6	23.20	22.57	22.83	23.12
		12	13	23.20	22.39	22.59	22.99
		25	0	23.20	22.49	22.70	23.04
	16QAM	1	0	23.20	21.78	22.40	22.40
		1	13	23.20	21.91	22.41	22.70
		1	24	23.20	21.63	21.92	22.28
		12	0	22.20	21.41	21.86	21.91
		12	6	22.20	21.41	21.78	21.98
		12	13	22.20	21.32	21.53	21.92
		25	0	22.20	21.45	21.70	21.94
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37800CH	38000CH	38200CH
10MHz	QPSK	1	0	24.20	22.90	23.17	23.22
		1	25	24.20	23.26	23.36	23.39
		1	49	24.20	22.97	22.90	23.25
		25	0	23.20	22.57	22.86	22.84
		25	13	23.20	22.66	22.77	22.92
		25	25	23.20	22.60	22.59	22.97
		50	0	23.20	22.56	22.73	23.05
	16QAM	1	0	23.20	22.00	22.43	22.06
		1	25	23.20	22.42	22.58	22.24
		1	49	23.20	22.14	22.14	22.22
		25	0	22.20	21.45	21.80	21.75
		25	13	22.20	21.55	21.73	21.75
		25	25	22.20	21.49	21.53	21.80
		50	0	22.20	21.46	21.67	21.88

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37825CH	38000CH	38175CH
15MHz	QPSK	1	0	24.20	22.80	23.05	22.99
		1	38	24.20	23.44	23.29	23.42
		1	74	24.20	22.89	22.90	23.07
		36	0	23.20	22.55	22.86	22.69
		36	18	23.20	22.78	22.80	22.87
		36	39	23.20	22.61	22.58	22.94
		75	0	23.20	22.52	22.69	22.83
	16QAM	1	0	23.20	21.80	22.31	21.86
		1	38	23.20	22.47	22.66	22.34
		1	74	23.20	22.02	22.22	22.03
		36	0	22.20	21.46	21.79	21.55
		36	18	22.20	21.70	21.69	21.75
		36	39	22.20	21.55	21.50	21.74
		75	0	22.20	21.43	21.59	21.65
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37850CH	38000CH	38150CH
20MHz	QPSK	1	0	24.20	23.07	23.39	23.37
		1	50	24.20	23.58	23.62	23.57
		1	99	24.20	23.25	23.17	23.36
		50	0	23.20	22.79	23.00	22.83
		50	25	23.20	22.84	22.95	22.86
		50	50	23.20	22.95	22.81	23.14
		100	0	23.20	22.91	22.90	22.97
	16QAM	1	0	23.20	22.65	22.87	22.82
		1	50	23.20	23.16	23.13	23.00
		1	99	23.20	22.87	22.68	22.85
		50	0	22.20	21.63	21.95	21.78
		50	25	22.20	21.73	21.86	21.81
		50	50	22.20	21.81	21.70	22.09
		100	0	22.20	21.67	21.76	21.84

Table 141: Conducted power measurement results of LTE Band XXXVIII(Main Antenna)

After Wi-Fi station function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37775CH	38000CH	38225CH
5MHz	QPSK	1	0	23.20	21.38	21.50	21.28
		1	13	23.20	21.68	21.54	21.65
		1	24	23.20	21.63	21.22	21.29
		12	0	22.20	21.55	21.64	21.53
		12	6	22.20	21.63	21.56	21.60
		12	13	22.20	21.67	21.31	21.53
		25	0	22.20	21.57	21.43	21.52
	16QAM	1	0	22.20	21.25	21.59	21.41
		1	13	22.20	21.36	21.64	21.74
		1	24	22.20	21.06	21.17	21.43
		12	0	21.20	20.06	20.45	20.54
		12	6	21.20	20.05	20.37	20.59
		12	13	21.20	19.89	20.12	20.54
		25	0	21.20	20.01	20.19	20.48
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37800CH	38000CH	38200CH
10MHz	QPSK	1	0	23.20	21.38	21.42	21.30
		1	25	23.20	21.60	21.61	21.46
		1	49	23.20	21.21	21.23	21.44
		25	0	22.20	21.58	21.60	21.45
		25	13	22.20	21.57	21.54	21.44
		25	25	22.20	21.38	21.35	21.49
		50	0	22.20	21.51	21.48	21.57
	16QAM	1	0	22.20	20.76	21.05	21.11
		1	25	22.20	21.29	21.33	21.26
		1	49	22.20	21.05	20.76	21.26
		25	0	21.20	20.05	20.48	20.35
		25	13	21.20	20.21	20.33	20.34
		25	25	21.20	20.16	20.16	20.37
		50	0	21.20	20.16	20.40	20.48

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37825CH	38000CH	38175CH
15MHz	QPSK	1	0	23.20	21.23	21.31	21.24
		1	38	23.20	21.51	21.63	21.54
		1	74	23.20	21.30	21.37	21.25
		36	0	22.20	21.23	21.56	21.28
		36	18	22.20	21.46	21.51	21.45
		36	39	22.20	21.34	21.30	21.42
		75	0	22.20	21.22	21.41	21.33
	16QAM	1	0	22.20	20.53	21.01	20.91
		1	38	22.20	21.25	21.37	21.40
		1	74	22.20	20.89	20.81	21.14
		36	0	21.20	20.05	20.46	20.25
		36	18	21.20	20.34	20.33	20.42
		36	39	21.20	20.22	20.23	20.40
		75	0	21.20	20.09	20.33	20.32
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37850CH	38000CH	38150CH
20MHz	QPSK	1	0	23.20	21.23	21.55	21.57
		1	50	23.20	21.74	21.75	21.76
		1	99	23.20	21.56	21.21	21.64
		50	0	22.20	21.40	21.70	21.49
		50	25	22.20	21.53	21.68	21.49
		50	50	22.20	21.64	21.53	21.74
		100	0	22.20	21.48	21.62	21.54
	16QAM	1	0	22.20	21.29	21.78	21.68
		1	50	22.20	21.86	21.96	21.88
		1	99	22.20	21.63	21.38	21.68
		50	0	21.20	20.30	20.66	20.39
		50	25	21.20	20.41	20.60	20.40
		50	50	21.20	20.41	20.45	20.59
		100	0	21.20	20.34	20.55	20.48

Table 142: Conducted power measurement results of LTE Band XXXVIII(Main Antenna)

After Wi-Fi Hotspot function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37775CH	38000CH	38225CH
5MHz	QPSK	1	0	23.20	21.38	21.50	21.28
		1	13	23.20	21.68	21.54	21.65
		1	24	23.20	21.63	21.22	21.29
		12	0	22.20	21.55	21.64	21.53
		12	6	22.20	21.63	21.56	21.60
		12	13	22.20	21.67	21.31	21.53
		25	0	22.20	21.57	21.43	21.52
	16QAM	1	0	22.20	21.25	21.59	21.41
		1	13	22.20	21.36	21.64	21.74
		1	24	22.20	21.06	21.17	21.43
		12	0	21.20	20.06	20.45	20.54
		12	6	21.20	20.05	20.37	20.59
		12	13	21.20	19.89	20.12	20.54
		25	0	21.20	20.01	20.19	20.48
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37800CH	38000CH	38200CH
10MHz	QPSK	1	0	23.20	21.38	21.42	21.30
		1	25	23.20	21.60	21.61	21.46
		1	49	23.20	21.21	21.23	21.44
		25	0	22.20	21.58	21.60	21.45
		25	13	22.20	21.57	21.54	21.44
		25	25	22.20	21.38	21.35	21.49
		50	0	22.20	21.51	21.48	21.57
	16QAM	1	0	22.20	20.76	21.05	21.11
		1	25	22.20	21.29	21.33	21.26
		1	49	22.20	21.05	20.76	21.26
		25	0	21.20	20.05	20.48	20.35
		25	13	21.20	20.21	20.33	20.34
		25	25	21.20	20.16	20.16	20.37
		50	0	21.20	20.16	20.40	20.48

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37825CH	38000CH	38175CH
15MHz	QPSK	1	0	23.20	21.23	21.31	21.24
		1	38	23.20	21.51	21.63	21.54
		1	74	23.20	21.30	21.37	21.25
		36	0	22.20	21.23	21.56	21.28
		36	18	22.20	21.46	21.51	21.45
		36	39	22.20	21.34	21.30	21.42
		75	0	22.20	21.22	21.41	21.33
	16QAM	1	0	22.20	20.53	21.01	20.91
		1	38	22.20	21.25	21.37	21.40
		1	74	22.20	20.89	20.81	21.14
		36	0	21.20	20.05	20.46	20.25
		36	18	21.20	20.34	20.33	20.42
		36	39	21.20	20.22	20.23	20.40
		75	0	21.20	20.09	20.33	20.32
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37850CH	38000CH	38150CH
20MHz	QPSK	1	0	23.20	21.23	21.55	21.57
		1	50	23.20	21.74	21.75	21.76
		1	99	23.20	21.56	21.21	21.64
		50	0	22.20	21.40	21.70	21.49
		50	25	22.20	21.53	21.68	21.49
		50	50	22.20	21.64	21.53	21.74
		100	0	22.20	21.48	21.62	21.54
	16QAM	1	0	22.20	21.29	21.78	21.68
		1	50	22.20	21.86	21.96	21.88
		1	99	22.20	21.63	21.38	21.68
		50	0	21.20	20.30	20.66	20.39
		50	25	21.20	20.41	20.60	20.40
		50	50	21.20	20.41	20.45	20.59
		100	0	21.20	20.34	20.55	20.48

Table 143: Conducted power measurement results of LTE Band XXXVIII(Main Antenna)

After Wi-Fi Hotspot function work, Modem1 Synchronous transmission with Modem2:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37775CH	38000CH	38225CH
5MHz	QPSK	1	0	23.20	21.38	21.50	21.28
		1	13	23.20	21.68	21.54	21.65
		1	24	23.20	21.63	21.22	21.29
		12	0	22.20	21.55	21.64	21.53
		12	6	22.20	21.63	21.56	21.60
		12	13	22.20	21.67	21.31	21.53
		25	0	22.20	21.57	21.43	21.52
	16QAM	1	0	22.20	21.25	21.59	21.41
		1	13	22.20	21.36	21.64	21.74
		1	24	22.20	21.06	21.17	21.43
		12	0	21.20	20.06	20.45	20.54
		12	6	21.20	20.05	20.37	20.59
		12	13	21.20	19.89	20.12	20.54
		25	0	21.20	20.01	20.19	20.48
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37800CH	38000CH	38200CH
10MHz	QPSK	1	0	23.20	21.38	21.42	21.30
		1	25	23.20	21.60	21.61	21.46
		1	49	23.20	21.21	21.23	21.44
		25	0	22.20	21.58	21.60	21.45
		25	13	22.20	21.57	21.54	21.44
		25	25	22.20	21.38	21.35	21.49
		50	0	22.20	21.51	21.48	21.57
	16QAM	1	0	22.20	20.76	21.05	21.11
		1	25	22.20	21.29	21.33	21.26
		1	49	22.20	21.05	20.76	21.26
		25	0	21.20	20.05	20.48	20.35
		25	13	21.20	20.21	20.33	20.34
		25	25	21.20	20.16	20.16	20.37
		50	0	21.20	20.16	20.40	20.48

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37825CH	38000CH	38175CH
15MHz	QPSK	1	0	23.20	21.23	21.31	21.24
		1	38	23.20	21.51	21.63	21.54
		1	74	23.20	21.30	21.37	21.25
		36	0	22.20	21.23	21.56	21.28
		36	18	22.20	21.46	21.51	21.45
		36	39	22.20	21.34	21.30	21.42
		75	0	22.20	21.22	21.41	21.33
	16QAM	1	0	22.20	20.53	21.01	20.91
		1	38	22.20	21.25	21.37	21.40
		1	74	22.20	20.89	20.81	21.14
		36	0	21.20	20.05	20.46	20.25
		36	18	21.20	20.34	20.33	20.42
		36	39	21.20	20.22	20.23	20.40
		75	0	21.20	20.09	20.33	20.32
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					37850CH	38000CH	38150CH
20MHz	QPSK	1	0	23.20	21.23	21.55	21.57
		1	50	23.20	21.74	21.75	21.76
		1	99	23.20	21.56	21.21	21.64
		50	0	22.20	21.40	21.70	21.49
		50	25	22.20	21.53	21.68	21.49
		50	50	22.20	21.64	21.53	21.74
		100	0	22.20	21.48	21.62	21.54
	16QAM	1	0	22.20	21.29	21.78	21.68
		1	50	22.20	21.86	21.96	21.88
		1	99	22.20	21.63	21.38	21.68
		50	0	21.20	20.30	20.66	20.39
		50	25	21.20	20.41	20.60	20.40
		50	50	21.20	20.41	20.45	20.59
		100	0	21.20	20.34	20.55	20.48

Table 144: Conducted power measurement results of LTE Band XXXVIII(Main Antenna)

7.1.32 Conducted power measurements of LTE Band XLI(Main Antenna)

Full Power:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40265CH	40740CH	41215CH
5MHz	QPSK	1	0	24.0	22.46	22.21	22.47
		1	13	24.0	22.53	22.28	22.48
		1	24	24.0	22.07	22.01	22.05
		12	0	23.0	22.09	21.79	22.10
		12	6	23.0	22.08	21.76	22.11
		12	13	23.0	21.87	21.57	21.85
		25	0	23.0	21.97	21.68	21.89
	16QAM	1	0	23.0	21.30	21.43	21.41
		1	13	23.0	21.42	21.53	21.48
		1	24	23.0	21.09	21.13	21.11
		12	0	22.0	21.25	21.28	21.26
		12	6	22.0	21.18	21.24	21.19
		12	13	22.0	21.03	21.05	21.02
		25	0	22.0	21.16	21.14	21.13
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40290CH	40740CH	41190CH
10MHz	QPSK	1	0	24.0	22.44	22.19	22.47
		1	25	24.0	22.61	22.40	22.54
		1	49	24.0	22.33	22.04	22.31
		25	0	23.0	22.16	21.83	22.12
		25	13	23.0	22.19	21.87	22.12
		25	25	23.0	22.01	21.72	22.01
		50	0	23.0	22.07	21.78	22.02
	16QAM	1	0	23.0	21.47	21.32	21.47
		1	25	23.0	21.74	21.55	21.71
		1	49	23.0	21.34	21.17	21.37
		25	0	22.0	21.56	21.87	21.63
		25	13	22.0	21.54	21.33	21.62
		25	25	22.0	21.38	21.75	21.47
		50	0	22.0	21.46	21.82	21.54

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40315CH	40740CH	41165CH
15MHz	QPSK	1	0	24.0	22.27	22.04	22.26
		1	38	24.0	22.61	22.29	22.61
		1	74	24.0	22.19	22.01	22.25
		36	0	23.0	22.11	21.74	22.04
		36	18	23.0	22.21	21.81	22.08
		36	39	23.0	22.03	21.74	21.95
		75	0	23.0	22.06	21.72	21.99
	16QAM	1	0	23.0	21.43	21.04	21.51
		1	38	23.0	21.55	21.34	21.87
		1	74	23.0	21.12	21.01	21.58
		36	0	22.0	21.45	21.18	21.52
		36	18	22.0	21.57	21.29	21.61
		36	39	22.0	21.42	21.14	21.48
		75	0	22.0	21.42	21.17	21.46
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40340CH	40740CH	41140CH
20MHz	QPSK	1	0	24.0	22.56	22.20	22.45
		1	50	24.0	22.74	22.41	22.62
		1	99	24.0	22.41	22.15	22.36
		50	0	23.0	22.15	21.84	22.14
		50	25	23.0	22.16	21.86	22.15
		50	50	23.0	22.00	21.82	22.03
		100	0	23.0	22.07	21.80	22.05
	16QAM	1	0	23.0	21.52	21.25	21.22
		1	50	23.0	21.75	21.47	21.35
		1	99	23.0	21.37	21.21	21.08
		50	0	22.0	21.49	21.25	21.69
		50	25	22.0	21.50	21.28	21.71
		50	50	22.0	21.34	21.21	21.58
		100	0	22.0	21.42	21.31	21.56

Table 145: Conducted power measurement results of LTE Band XLI(Main Antenna)

After Wi-Fi Hotspot function work:

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40265CH	40740CH	41215CH
5MHz	QPSK	1	0	23.0	21.42	21.29	21.48
		1	13	23.0	21.45	21.39	21.46
		1	24	23.0	21.14	21.02	21.24
		12	0	22.0	21.38	21.40	21.48
		12	6	22.0	21.48	21.42	21.49
		12	13	22.0	21.52	21.22	21.45
		25	0	22.0	21.47	21.35	21.41
	16QAM	1	0	22.0	21.60	21.22	21.48
		1	13	22.0	21.66	21.18	21.49
		1	24	22.0	21.38	20.90	21.28
		12	0	21.0	20.49	20.37	20.39
		12	6	21.0	20.49	20.30	20.38
		12	13	21.0	20.27	20.11	20.17
		25	0	21.0	20.36	20.21	20.25
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40290CH	40740CH	41190CH
10MHz	QPSK	1	0	23.0	21.33	21.22	21.38
		1	25	23.0	21.65	21.46	21.65
		1	49	23.0	21.16	21.08	21.17
		25	0	22.0	21.52	21.34	21.49
		25	13	22.0	21.61	21.36	21.58
		25	25	22.0	21.52	21.20	21.46
		50	0	22.0	21.49	21.33	21.47
	16QAM	1	0	22.0	21.13	21.03	21.15
		1	25	22.0	21.48	21.28	21.48
		1	49	22.0	21.00	20.95	21.03
		25	0	21.0	20.47	20.27	20.58
		25	13	21.0	20.48	20.27	20.38
		25	25	21.0	20.28	20.18	20.45
		50	0	21.0	20.35	20.23	20.52

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40315CH	40740CH	41165CH
15MHz	QPSK	1	0	23.0	21.23	21.12	21.40
		1	38	23.0	21.62	21.49	21.73
		1	74	23.0	21.14	21.02	21.27
		36	0	22.0	21.55	21.29	21.57
		36	18	22.0	21.69	21.36	21.68
		36	39	22.0	21.54	21.20	21.55
		75	0	22.0	21.53	21.24	21.57
	16QAM	1	0	22.0	21.15	20.74	21.25
		1	38	22.0	21.61	21.16	21.57
		1	74	22.0	21.12	20.72	21.08
		36	0	21.0	20.50	20.17	20.65
		36	18	21.0	20.58	20.28	20.82
		36	39	21.0	20.40	20.14	20.56
		75	0	21.0	20.38	20.18	20.57
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					40340CH	40740CH	41140CH
20MHz	QPSK	1	0	23.0	21.51	21.53	21.51
		1	50	23.0	21.74	21.60	21.74
		1	99	23.0	21.43	21.07	21.43
		50	0	22.0	21.68	21.62	21.67
		50	25	22.0	21.68	21.56	21.68
		50	50	22.0	21.51	21.37	21.55
		100	0	22.0	21.61	21.45	21.60
	16QAM	1	0	22.0	21.64	21.65	21.58
		1	50	22.0	21.71	21.60	21.72
		1	99	22.0	21.53	21.24	21.51
		50	0	21.0	20.51	20.20	20.50
		50	25	21.0	20.49	20.23	20.49
		50	50	21.0	20.31	20.14	20.32
		100	0	21.0	20.40	20.23	20.35

Table 146: Conducted power measurement results of LTE Band XLI(Main Antenna)

7.1.33 Conducted power measurements of Downlink LTE CA

In this section, the following conducted power measurement results of downlink LTE carrier aggregation are provided to quantify downlink only carrier aggregation SAR test exclusion per KDB 941225 D05A.

Uplink maximum output power is measured with downlink carrier aggregation active, using the channel with highest measured maximum output power when downlink carrier aggregation is inactive, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.

Power test equipment: a R&S Radio Communication Tester CMW500 was used.

Initial Conditions						
Test Environment as specified in TS 36.508[7] subclause 4.1				NC[, TL/VL, TL/VH, TH/VL, TH/VH]		
Test Frequencies as specified in TS36.508 [7] subclause 4.3.1 for different CA bandwidth classes.				A: Mid range for PCC and SCC		
Test CC Combination setting (N _{RB_agg}) as specified in subclause 5.4.2A.1 for the CA Configuration				Lowest N _{RB_agg} Highest N _{RB_agg}		
Test Parameters for CA Configurations						
CA Configuration / N _{RB_agg}		DL Allocation	CC MOD	UL Allocation		
PCC N _{RB}	SCCs N _{RB}	PCC & SCC RB allocation		N _{RB_alloc}	PCC RB allocations (L _{CRB} @ RB _{start})	
6	25	N/A for this test	QPSK	5	P_5@0	-
15	25		QPSK	4	P_4@0	-
25	50		QPSK	8	P_8@0	-
50	75		QPSK	12	P_12@0	-
75	100		QPSK	16	P_16@0	-
100	75		QPSK	18	P_18@0	-
Note 1: CA Configuration Test CC Combination settings are checked separately for each CA Configuration, which applicable aggregated channel bandwidths are specified in Table 5.4.2A.1-1						



Table 147: Conducted power measurement setup of LTE CA per 3GPP TS 36.521-1 V12.6.0

A) The conducted power measurement results of downlink LTE CA Conduted Power are as below(Main antenna):

DL LTE CA Class	PCC								SCC			Power	
	PCC Band	PCC Bandwidth (MHz)	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power(dBm)	Rel 10 DL LTE CA Tx Power(dBm)
CA_2C	2	20	1	50	100	0	19100	1100	2	20	700	22.64	22.79
CA_7C	7	20	1	50	100	0	21350	3350	7	20	3152	23.05	22.97
CA_12B	12	10	1	25	50	0	21350	5130	12	5	5058	23.14	23.08
CA_38C	38	20	1	50	100	0	37850	37850	38	20	38048	23.58	23.62
CA_41C	41	20	1	50	100	0	40340	40340	41	20	40358	22.74	22.67
CA_39A-41A	41	20	1	50	100	0	41140	41140	39	20	38200	22.62	22.78

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

B) The conducted power measurement results of downlink LTE CA Conduted Power are as below (Second antenna):

DL LTE CA Class	PCC								SCC			Power	
	PCC Band	PCC Bandwidth (MHz)	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power(dBm)	Rel 10 DL LTE CA Tx Power(dBm)
CA_2C	2	20	1	50	100	0	19100	1100	2	20	700	22.68	22.76
CA_7C	7	20	1	50	100	0	20850	2850	7	20	3021	23.08	23.14
CA_12B	12	10	1	25	50	0	21350	5130	12	5	5058	23.28	23.16
CA_38C	38	15	1	74	75	0	38175	38175	38	15	38025	23.25	23.20
CA_41C	41	20	1	50	100	0	40340	40340	41	20	40358	22.97	22.88
CA_39A-41A	41	20	1	50	100	0	41140	41140	39	20	38200	22.82	22.96

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

7.1.34 Conducted power measurements of WiFi 2.4G

Full Power:

Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11b	1	2412	1	16.50	14.81	Yes
	6	2437		16.50	14.91	Yes
	11	2462		16.50	15.09	Yes
802.11g	1	2412	6	15.50	Not Required	No
	6	2437		15.50	Not Required	No
	11	2462		15.50	Not Required	No
802.11n 20M	1	2412	6.5	15.00	Not Required	No
	6	2437		15.00	Not Required	No
	11	2462		15.00	Not Required	No
802.11n 40M	3	2422	13.5	14.00	Not Required	No
	6	2437		14.00	Not Required	No
	9	2452		14.00	Not Required	No

Table 148: Conducted power measurement results of WiFi 2.4G(Full power level).

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

WiFi Simultaneous Transmission with main antenna and/or second antenna:

Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11b	1	2412	1	14.50	12.72	No
	6	2437		14.50	12.92	No
	11	2462		14.50	13.20	Yes
802.11g	1	2412	6	13.50	Not Required	No
	6	2437		13.50	Not Required	No
	11	2462		13.50	Not Required	No
802.11n 20M	1	2412	6.5	13.00	Not Required	No
	6	2437		13.00	Not Required	No
	11	2462		13.00	Not Required	No
802.11n 40M	3	2422	13.5	12.00	Not Required	No
	6	2437		12.00	Not Required	No
	9	2452		12.00	Not Required	No

Table 149: Conducted power measurement results of WiFi 2.4G(Reduced power level)

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

7.1.35 Conducted power measurements of WiFi 5G

Full Power:

Band (GHz)	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
5.2G	802.11a	CH 36	5180	6M	15.50	14.55	Yes
		CH 40	5200		15.50	14.62	Yes
		CH 44	5220		15.50	14.48	No
		CH 48	5240		15.50	14.26	No
	802.11n 20M	CH 36	5180	6.5M	14.00	Not Required	No
		CH 40	5200		14.00	Not Required	No
		CH 44	5220		14.00	Not Required	No
		CH 48	5240		14.00	Not Required	No
	802.11n 40M	CH 38	5190	13.5M	12.50	Not Required	No
		CH 46	5230		12.50	Not Required	No
	802.11ac 20M	CH 36	5180	6.5M	14.00	Not Required	No
		CH 40	5200		14.00	Not Required	No
		CH 44	5220		14.00	Not Required	No
		CH 48	5240		14.00	Not Required	No
	802.11ac 40M	CH 38	5190	13.5M	13.00	Not Required	No
		CH 46	5230		13.00	Not Required	No
	802.11ac 80M	CH 42	5210	29.3M	12.00	Not Required	No
Band (GHz)	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
5.3	802.11a	CH 52	5260	6M	15.50	14.63	Yes
		CH 56	5280		15.50	14.36	Yes
		CH 60	5300		15.50	14.43	Yes
		CH 64	5320		15.50	14.45	Yes
	802.11n 20M	CH 52	5260	6.5M	14.00	Not Required	No
		CH 56	5280		14.00	Not Required	No
		CH 60	5300		14.00	Not Required	No
		CH 64	5320		14.00	Not Required	No
	802.11n 40M	CH 54	5270	13.5M	12.50	Not Required	No
		CH 62	5310		12.50	Not Required	No
	802.11ac 20M	CH 52	5260	6.5M	14.00	Not Required	No
		CH 56	5280		14.00	Not Required	No
		CH 60	5300		14.00	Not Required	No
		CH 64	5320		14.00	Not Required	No
	802.11ac 40M	CH 54	5270	13.5M	13.00	Not Required	No
		CH 62	5310		13.00	Not Required	No
	802.11ac 80M	CH 58	5290	29.3M	12.00	Not Required	No

Band (GHz)	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
5.5	802.11a	CH 100	5500	6M	14.00	13.15	Yes
		CH 104	5520		14.00	13.41	Yes
		CH 108	5540		14.00	13.31	Yes
		CH 112	5560		14.00	12.91	No
		CH 116	5580		14.00	12.89	No
		CH 120	5600		14.00	12.97	No
		CH 124	5620		14.00	12.92	No
		CH 128	5640		14.00	12.79	No
		CH 132	5660		14.00	12.73	No
		CH 136	5680		14.00	12.46	No
		CH 140	5700		14.00	12.51	No
		CH 144	5720		14.00	12.52	No
	802.11n 20M	CH 100	5500	6.5M	13.50	Not Required	No
		CH 104	5520		13.50	Not Required	No
		CH 108	5540		13.50	Not Required	No
		CH 112	5560		13.50	Not Required	No
		CH 116	5580		13.50	Not Required	No
		CH 120	5600		13.50	Not Required	No
		CH 124	5620		13.50	Not Required	No
		CH 128	5640		13.50	Not Required	No
		CH 132	5660		13.50	Not Required	No
		CH 136	5680		13.50	Not Required	No
		CH 140	5700		13.50	Not Required	No
		CH 144	5720		13.50	Not Required	No
	802.11n 40M	CH 102	5510	13.5M	12.50	Not Required	No
		CH 110	5550		12.50	Not Required	No
		CH 118	5590		12.50	Not Required	No
		CH 126	5630		12.50	Not Required	No
		CH 134	5670		12.50	Not Required	No
		CH 142	5710		12.50	Not Required	No
	802.11ac 20M	CH 100	5500	6.5M	14.00	13.10	No
		CH 104	5520		14.00	13.51	No
		CH 108	5540		14.00	13.38	No
		CH 112	5560		14.00	13.38	No
		CH 116	5580		14.00	13.32	No
		CH 120	5600		14.00	13.40	No
		CH 124	5620		14.00	13.15	No
		CH 128	5640		14.00	13.21	No
		CH 132	5660		14.00	12.89	No
		CH 136	5680		14.00	12.75	No
		CH 140	5700		14.00	12.63	No
		CH 144	5720		14.00	12.61	No

Band (GHz)	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
5.5	802.11ac 40M	CH 102	5510	13.5M	13.00	Not Required	No
		CH 110	5550		13.00	Not Required	No
		CH 118	5590		13.00	Not Required	No
		CH 126	5630		13.00	Not Required	No
		CH 134	5670		13.00	Not Required	No
		CH 142	5710		13.00	Not Required	No
	802.11ac 80M	CH 106	5530	29.3M	12.00	Not Required	No
		CH 122	5610		12.00	Not Required	No
		CH 138	5690		12.00	Not Required	No
Band (GHz)	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
5.8	802.11a	CH 149	5745	6M	15.00	14.09	No
		CH 153	5765		15.00	14.18	No
		CH 157	5785		15.00	13.99	No
		CH 161	5805		15.00	14.13	No
		CH 165	5825		15.00	14.22	Yes
	802.11n 20M	CH 149	5745	6.5M	14.00	Not Required	No
		CH 153	5765		14.00	Not Required	No
		CH 157	5785		14.00	Not Required	No
		CH 161	5805		14.00	Not Required	No
		CH 165	5825		14.00	Not Required	No
	802.11n 40M	CH 151	5755	13.5M	12.50	Not Required	No
		CH 159	5795		12.50	Not Required	No
	802.11ac 20M	CH 149	5745	6.5M	14.00	Not Required	No
		CH 153	5765		14.00	Not Required	No
		CH 157	5785		14.00	Not Required	No
		CH 161	5805		14.00	Not Required	No
		CH 165	5825		14.00	Not Required	No
	802.11ac 40M	CH 151	5755	13.5M	13.00	Not Required	No
		CH 159	5795		13.00	Not Required	No
	802.11ac 80M	CH 155	5775	29.3M	12.00	Not Required	No

Table 150: Conducted power measurement results of WiFi 5G(Full power level).

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

WiFi Simultaneous Transmission with main antenna and/or second antenna:

Band (GHz)	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
5.2	802.11a	CH 36	5180	6M	13.50	12.35	No
		CH 40	5200		13.50	12.22	No
		CH 44	5220		13.50	12.33	No
		CH 48	5240		13.50	12.08	No
	802.11n 20M	CH 36	5180	6.5M	12.00	Not Required	No
		CH 40	5200		12.00	Not Required	No
		CH 44	5220		12.00	Not Required	No
		CH 48	5240		12.00	Not Required	No
	802.11n 40M	CH 38	5190	13.5M	10.50	Not Required	No
		CH 46	5230		10.50	Not Required	No
	802.11ac 20M	CH 36	5180	6.5M	12.00	Not Required	No
		CH 40	5200		12.00	Not Required	No
		CH 44	5220		12.00	Not Required	No
		CH 48	5240		12.00	Not Required	No
	802.11ac 40M	CH 38	5190	13.5M	11.00	Not Required	No
		CH 46	5230		11.00	Not Required	No
	802.11ac 80M	CH 42	5210	29.3M	10.00	Not Required	No
Band (GHz)	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
5.3	802.11a	CH 52	5260	6M	13.50	12.55	Yes
		CH 56	5280		13.50	12.39	No
		CH 60	5300		13.50	12.23	No
		CH 64	5320		13.50	12.27	No
	802.11n 20M	CH 52	5260	6.5M	12.00	Not Required	No
		CH 56	5280		12.00	Not Required	No
		CH 60	5300		12.00	Not Required	No
		CH 64	5320		12.00	Not Required	No
	802.11n 40M	CH 54	5270	13.5M	10.50	Not Required	No
		CH 62	5310		10.50	Not Required	No
	802.11ac 20M	CH 52	5260	6.5M	12.00	Not Required	No
		CH 56	5280		12.00	Not Required	No
		CH 60	5300		12.00	Not Required	No
		CH 64	5320		12.00	Not Required	No
	802.11ac 40M	CH 54	5270	13.5M	11.00	Not Required	No
		CH 62	5310		11.00	Not Required	No
	802.11ac 80M	CH 58	5290	29.3M	10.00	Not Required	No

Band (GHz)	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
5.5	802.11a	CH 100	5500	6M	12.00	11.41	No
		CH 104	5520		12.00	11.54	Yes
		CH 108	5540		12.00	11.53	Yes
		CH 112	5560		12.00	11.32	No
		CH 116	5580		12.00	11.47	No
		CH 120	5600		12.00	11.45	No
		CH 124	5620		12.00	11.20	No
		CH 128	5640		12.00	11.32	No
		CH 132	5660		12.00	11.01	No
		CH 136	5680		12.00	10.98	No
		CH 140	5700		12.00	11.40	No
		CH 144	5720		12.00	11.46	No
	802.11n 20M	CH 100	5500	6.5M	12.00	11.65	No
		CH 104	5520		12.00	11.48	No
		CH 108	5540		12.00	11.74	No
		CH 112	5560		12.00	11.47	No
		CH 116	5580		12.00	11.53	No
		CH 120	5600		12.00	11.30	No
		CH 124	5620		12.00	11.54	No
		CH 128	5640		12.00	11.25	No
		CH 132	5660		12.00	11.31	No
		CH 136	5680		12.00	11.12	No
		CH 140	5700		12.00	10.95	No
		CH 144	5720		12.00	11.04	No
	802.11n 40M	CH 102	5510	13.5M	10.50	Not Required	No
		CH 110	5550		10.50	Not Required	Yes
		CH 118	5590		10.50	Not Required	No
		CH 126	5630		10.50	Not Required	No
		CH 134	5670		10.50	Not Required	No
		CH 142	5710		10.50	Not Required	No
	802.11ac 20M	CH 100	5500	6.5M	12.00	11.34	No
		CH 104	5520		12.00	11.51	No
		CH 108	5540		12.00	11.51	No
		CH 112	5560		12.00	11.53	No
		CH 116	5580		12.00	11.37	No
		CH 120	5600		12.00	11.36	No
		CH 124	5620		12.00	11.17	No
		CH 128	5640		12.00	11.35	No
		CH 132	5660		12.00	10.98	No
		CH 136	5680		12.00	10.91	No
		CH 140	5700		12.00	11.00	No
		CH 144	5720		12.00	10.84	No

Band (GHz)	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
5.5	802.11ac 40M	CH 102	5510	13.5M	11.00	Not Required	No
		CH 110	5550		11.00	Not Required	No
		CH 118	5590		11.00	Not Required	No
		CH 126	5630		11.00	Not Required	No
		CH 134	5670		11.00	Not Required	No
		CH 142	5710		11.00	Not Required	No
	802.11ac 80M	CH 106	5530	29.3M	10.00	Not Required	No
		CH 122	5610		10.00	Not Required	No
		CH 138	5690		10.00	Not Required	No
Band (GHz)	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
5.8	802.11a	CH 149	5745	6M	13.00	12.09	No
		CH 153	5765		13.00	11.97	No
		CH 157	5785		13.00	12.02	No
		CH 161	5805		13.00	12.10	No
		CH 165	5825		13.00	12.11	Yes
	802.11n 20M	CH 149	5745	6.5M	12.00	Not Required	No
		CH 153	5765		12.00	Not Required	No
		CH 157	5785		12.00	Not Required	No
		CH 161	5805		12.00	Not Required	No
		CH 165	5825		12.00	Not Required	No
	802.11n 40M	CH 151	5755	13.5M	10.50	Not Required	No
		CH 159	5795		10.50	Not Required	No
	802.11ac 20M	CH 149	5745	6.5M	12.00	Not Required	No
		CH 153	5765		12.00	Not Required	No
		CH 157	5785		12.00	Not Required	No
		CH 161	5805		12.00	Not Required	No
		CH 165	5825		12.00	Not Required	No
	802.11ac 40M	CH 151	5755	13.5M	11.00	Not Required	No
		CH 159	5795		11.00	Not Required	No
	802.11ac 80M	CH 155	5775	29.3M	10.00	Not Required	No

Table 151: Conducted power measurement results of WiFi 5G(Reduced power level)

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

7.1.36 Conducted power measurements of BT

The output power of BT antenna is as following:

BT 2450	Tune-up	Average Conducted Power (dBm)		
		0CH	39CH	78CH
DH5	13.0	8.88	11.81	8.42
2DH5	13.0	6.11	8.41	6.15
3DH5	13.0	6.09	8.42	6.39

BT 2450	Tune-up	Average Conducted Power (dBm)		
		0CH	19CH	39CH
BT 4.0	13.0	5.87	7.49	5.36

Table 152: Conducted power measurement results of BT.

Note: The conducted power of BT is measured with RMS detector.

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:

- $\leq 0.8 \text{ W/kg}$ for 1-g or 2.0 W/kg for 10-g respectively, when the transmission band is $\leq 100 \text{ MHz}$.
- $\leq 0.6 \text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- $\leq 0.4 \text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200 \text{ MHz}$.

When the maximum output power variation across the required test channels is $> \frac{1}{2} \text{ dB}$, 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 $\geq 0.8 \text{ W/Kg}$; if the deviation among the repeated measurement is $\leq 20\%$, and the measured SAR $< 1.45 \text{ W/Kg}$, 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 $\leq 1.2 \text{ W/kg}$, 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 $> 1.5 \text{ W/kg}$, or $> 7.0 \text{ W/kg}$ 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 detailed SAR plots).

7) For 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 commands are supplied to fix the operation state and choose the antenna, and some test scripts are supplied to fix the modem state so that only one TX antenna and one modem is chosen and tested at a time. All independent antennas and modems are completely covered by the appropriate SAR measurements and all simultaneous transmission possibilities are fully considered.

8) Additional SAR tests in simultaneous transmission fixed power reduction scenario are also tested in some frequency bands and required test positions for the SAR worst case, which are only used to ensure simultaneous transmission SAR test exclusion. The standalone SAR compliance still uses the SAR results tested at the maximum output power level.

9) Per KDB 648474D04, for handsets with additional batteries, the highest reported SAR for each wireless technology, frequency band, operating mode and applicable exposure condition (head, body-worn accessory, hotspot mode, etc.) must be repeated with the specific accessory attached. In addition, for test cases where the measured SAR for a handset is greater than 1.2 W/kg , these tests should also be repeated with the additional batteries.

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 KDB 648474D04, GPRS/EDGE SAR is also evaluated for head and body-worn accessory SAR considering the additional simultaneous transmission scenario for main modem, second modem and/or WiFi.

UMTS Notes:

- 1) Per KDB941225 D01, when the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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. 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, 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 ≤ 0.4 W/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 ≤ 0.8 W/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) 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.
- 3) WiFi 5G hotspot is only supported for U-NII-1 and U-NII-3, therefore U-NII-2A and U-NII-2C SAR were not evaluated for hotspot condition.

7.2.1 SAR measurement Result of GSM850(Second Antenna and Modem1)

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Left Hand Touched	190/836.6	GSM	0.761	0.410	0.040	32.53	33.10	0.868	/
Left Hand Touched	128/824.2	GSM	0.663	0.357	-0.020	32.54	33.10	0.754	/
Left Hand Touched	251/848.8	GSM	0.798	0.428	0.040	32.45	33.10	0.927	/
Left Hand Tilted 15°	190/836.6	GSM	0.725	0.370	0.000	32.53	33.10	0.827	/
Left Hand Tilted 15°	128/824.2	GSM	0.628	0.322	0.050	32.54	33.10	0.714	/
Left Hand Tilted 15°	251/848.8	GSM	0.770	0.392	-0.010	32.45	33.10	0.894	/
Right Hand Touched	190/836.6	GSM	1.200	0.625	0.000	32.53	33.10	1.368	/
Right Hand Touched	128/824.2	GSM	1.110	0.578	0.020	32.54	33.10	1.263	/
Right Hand Touched	251/848.8	GSM	1.190	0.623	0.010	32.45	33.10	1.382	/
Right Hand Tilted 15°	190/836.6	GSM	1.090	0.520	0.000	32.53	33.10	1.243	/
Right Hand Tilted 15°	128/824.2	GSM	0.972	0.469	-0.020	32.54	33.10	1.106	/
Right Hand Tilted 15°	251/848.8	GSM	1.110	0.531	-0.020	32.45	33.10	1.289	/
Tested at the worst position with SIM2									
Right Hand Touched	190/836.6	GSM	1.050	0.550	0.020	32.53	33.10	1.197	/
Tested at the worst position with battery 2#									
Right Hand Touched	190/836.6	GSM	1.040	0.545	-0.010	32.53	33.10	1.186	/
Tested at the worst position with battery 3#									
Right Hand Touched	190/836.6	GSM	1.290	0.659	-0.020	32.53	33.10	1.471	/
Right Hand Touched-Repeated	190/836.6	GSM	1.250	0.643	-0.080	32.53	33.10	1.425	/
Additional SAR test(Main Modem simultaneous transmission with Second Modem)									
Left Hand Touched	190/836.6	GSM	0.638	0.342	0.010	29.90	30.50	0.733	/
Left Hand Tilted 15°	190/836.6	GSM	0.590	0.303	0.000	29.90	30.50	0.677	/
Right Hand Touched	190/836.6	GSM	0.970	0.503	0.090	29.90	30.50	1.114	/
Right Hand Touched	128/824.2	GSM	0.902	0.467	-0.080	29.82	30.50	1.055	/

Right Hand Touched	251/848.8	GSM	0.973	0.507	-0.080	29.92	30.50	1.112	/
Right Hand Tilted 15°	190/836.6	GSM	0.886	0.420	-0.050	29.90	30.50	1.017	/
Right Hand Tilted 15°	128/824.2	GSM	0.857	0.404	0.020	29.82	30.50	1.002	/
Right Hand Tilted 15°	251/848.8	GSM	0.896	0.424	-0.060	29.92	30.50	1.024	/
Left Hand Touched	190/836.6	GPRS 2TS	0.590	0.357	-0.040	27.79	28.50	0.695	/
Left Hand Tilted 15°	190/836.6	GPRS 2TS	0.517	0.303	0.040	27.79	28.50	0.609	/
Right Hand Touched	190/836.6	GPRS 2TS	0.777	0.498	-0.050	27.79	28.50	0.915	/
Right Hand Touched	128/824.2	GPRS 2TS	0.713	0.457	-0.050	27.68	28.50	0.861	/
Right Hand Touched	251/848.8	GPRS 2TS	0.867	0.451	0.030	27.84	28.50	1.009	/
Right Hand Touched	190/836.6	GPRS 2TS	0.970	0.503	0.090	27.79	28.50	1.142	/
Right Hand Tilted 15°	190/836.6	GPRS 2TS	0.787	0.370	-0.060	27.79	28.50	0.927	/
Right Hand Tilted 15°	128/824.2	GPRS 2TS	0.683	0.418	-0.170	27.68	28.50	0.825	/
Right Hand Tilted 15°	251/848.8	GPRS 2TS	0.808	0.377	-0.020	27.84	28.50	0.941	/
Additional SAR test(WiFi function work, Main Modem Synchronous transmission with Second Modem)									
Left Hand Touched	190/836.6	GSM	0.524	0.280	0.040	28.88	29.50	0.604	/
Left Hand Tilted 15°	190/836.6	GSM	0.482	0.246	0.110	28.88	29.50	0.556	/
Right Hand Touched	190/836.6	GSM	0.718	0.377	-0.020	28.88	29.50	0.828	/
Right Hand Touched	128/824.2	GSM	0.690	0.363	-0.060	28.78	29.50	0.814	/
Right Hand Touched	251/848.8	GSM	0.727	0.383	0.060	28.87	29.50	0.840	/
Left Hand Tilted 15°	190/836.6	GSM	0.691	0.328	-0.020	28.88	29.50	0.797	/
Left Hand Touched	190/836.6	GPRS 2TS	0.456	0.243	0.020	26.75	27.50	0.542	/
Left Hand Tilted 15°	190/836.6	GPRS 2TS	0.412	0.211	0.140	26.75	27.50	0.490	/
Right Hand Touched	190/836.6	GPRS 2TS	0.715	0.361	0.030	26.75	27.50	0.850	/
Right Hand Touched	128/824.2	GPRS 2TS	0.575	0.368	-0.080	26.64	27.50	0.701	/
Right Hand Touched	251/848.8	GPRS 2TS	0.583	0.373	-0.020	26.80	27.50	0.685	/
Left Hand Tilted 15°	190/836.6	GPRS 2TS	0.574	0.274	0.010	26.75	27.50	0.682	/

Table 153: Head SAR test results of GSM850

Test Position of Body-Worn with 15mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	190/836.6	GSM	0.169	0.115	-0.030	32.53	33.10	0.193	/
Back Side	190/836.6	GSM	0.203	0.147	-0.050	32.53	33.10	0.231	/
Front Side	190/836.6	GPRS 2TS	0.144	0.099	0.040	27.79	28.50	0.170	/
Back Side	190/836.6	GPRS 2TS	0.166	0.114	0.010	27.79	28.50	0.195	/
Tested at the worst position with SIM2									
Back Side	190/836.6	GSM	0.193	0.132	-0.030	32.53	33.10	0.220	/
Tested at the worst position with battery 2#									
Back Side	190/836.6	GSM	0.230	0.166	-0.020	32.53	33.10	0.262	/
Tested at the worst position with battery 3#									
Back Side	190/836.6	GSM	0.231	0.166	0.010	32.53	33.10	0.263	/

Table 154: Body-Worn SAR test results of GSM850

Test Position of Hotspot with 10mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	190/836.6	GPRS 2TS	0.343	0.224	0.060	28.86	29.50	0.397	/
Back Side	190/836.6	GPRS 2TS	0.408	0.227	-0.050	28.86	29.50	0.473	/
Left Side	190/836.6	GPRS 2TS	0.349	0.235	-0.090	28.86	29.50	0.404	/
Top Side	190/836.6	GPRS 2TS	0.274	0.138	-0.020	28.86	29.50	0.318	/
Tested at the worst position with SIM2									
Back Side	190/836.6	GPRS 2TS	0.359	0.238	-0.040	28.86	29.50	0.416	/
Tested at the worst position with battery 2#									
Back Side	190/836.6	GPRS 2TS	0.360	0.238	-0.080	28.86	29.50	0.417	/
Tested at the worst position with battery 3#									
Back Side	190/836.6	GPRS 2TS	0.428	0.235	0.000	28.86	29.50	0.496	/

Table 155: Hotspot SAR test results of GSM850

7.2.2 SAR measurement Result of GSM850(Second Antenna and Modem2)

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Left Hand Touched	190/836.6	GSM	0.883	0.473	0.000	32.49	33.20	1.040	/
Left Hand Touched	128/824.2	GSM	0.710	0.383	0.030	32.32	33.20	0.869	/
Left Hand Touched	251/848.8	GSM	0.954	0.511	0.040	32.48	33.20	1.126	/
Left Hand Tilted 15°	190/836.6	GSM	0.817	0.417	-0.010	32.49	33.20	0.962	/
Left Hand Tilted 15°	128/824.2	GSM	0.650	0.334	0.020	32.32	33.20	0.796	/
Left Hand Tilted 15°	251/848.8	GSM	0.912	0.462	0.080	32.48	33.20	1.076	/
Right Hand Touched	190/836.6	GSM	1.230	0.630	-0.030	32.49	33.20	1.448	/
Right Hand Touched	128/824.2	GSM	1.010	0.516	-0.040	32.32	33.20	1.237	/
Right Hand Touched	251/848.8	GSM	1.200	0.628	0.090	32.49	33.20	1.413	/
Right Hand Tilted 15°	190/836.6	GSM	1.100	0.534	0.040	32.49	33.20	1.295	/
Right Hand Tilted 15°	128/824.2	GSM	0.991	0.478	0.030	32.32	33.20	1.214	/
Right Hand Tilted 15°	251/848.8	GSM	1.130	0.544	-0.040	32.48	33.20	1.334	/
Tested at the worst position with battery 2#									
Right Hand Touched	190/836.6	GSM	1.230	0.636	-0.040	32.49	33.20	1.448	/
Right Hand Touched-Repeated	190/836.6	GSM	1.160	0.588	-0.100	32.49	33.20	1.366	/
Tested at the worst position with battery 3#									
Right Hand Touched	190/836.6	GSM	1.190	0.613	-0.050	32.49	33.20	1.401	/
Additional SAR test(Second antenna simultaneous transmission with Main Modem)									
Left Hand Touched	190/836.6	GSM	0.219	0.118	0.030	28.38	29.50	0.283	/
Left Hand Tilted 15°	190/836.6	GSM	0.319	0.164	0.120	28.38	29.50	0.413	/
Right Hand Touched	190/836.6	GSM	0.506	0.263	0.010	28.38	29.50	0.655	/
Right Hand Tilted 15°	190/836.6	GSM	0.420	0.205	-0.100	28.38	29.50	0.544	/
Left Hand Touched	190/836.6	GPRS 2TS	0.192	0.103	0.090	26.17	27.50	0.261	/
Left Hand Tilted 15°	190/836.6	GPRS 2TS	0.289	0.168	0.110	26.17	27.50	0.393	/

Right Hand Touched	190/836.6	GPRS 2TS	0.461	0.242	-0.020	26.17	27.50	0.626	/
Right Hand Tilted 15°	190/836.6	GPRS 2TS	0.392	0.235	0.080	26.17	27.50	0.532	/

Table 156: Head SAR test results of GSM850

Test Position of Body-Worn with 15mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	190/836.6	GSM	0.169	0.115	0.060	32.49	33.20	0.199	/
Back Side	190/836.6	GSM	0.197	0.144	0.000	32.49	33.20	0.232	/
Front Side	190/836.6	GPRS 2TS	0.074	0.051	0.000	26.17	27.50	0.101	/
Back Side	190/836.6	GPRS 2TS	0.088	0.061	0.070	26.17	27.50	0.120	/
Tested at the worst position with battery 2#									
Back Side	190/836.6	GSM	0.149	0.102	0.010	32.49	33.20	0.175	/
Tested at the worst position with battery 3#									
Back Side	190/836.6	GSM	0.212	0.155	-0.040	32.49	33.20	0.250	/

Table 157: Body-Worn SAR test results of GSM850

Test Position of Hotspot with 10mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	190/836.6	GPRS 2TS	0.262	0.148	0.000	26.17	27.50	0.356	/
Back Side	190/836.6	GPRS 2TS	0.319	0.175	-0.050	26.17	27.50	0.433	/
Left Side	190/836.6	GPRS 2TS	0.265	0.180	-0.020	26.17	27.50	0.360	/
Top Side	190/836.6	GPRS 2TS	0.211	0.104	0.170	26.17	27.50	0.287	/
Tested at the worst position with battery 2#									
Back Side	190/836.6	GPRS 2TS	0.233	0.130	0.020	26.17	27.50	0.316	/
Tested at the worst position with battery 3#									
Back Side	190/836.6	GPRS 2TS	0.357	0.196	-0.090	26.17	27.50	0.485	/

Table 158: Hotspot SAR test results of GSM850

7.2.3 SAR measurement Result of GSM1900(Second Antenna and Modem1)

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Left Hand Touched	661/1880	GSM	0.380	0.244	0.110	30.25	30.50	0.403	/
Left Hand Tilted 15°	661/1880	GSM	0.293	0.178	0.050	30.25	30.50	0.310	/
Right Hand Touched	661/1880	GSM	0.989	0.564	0.000	30.25	30.50	1.048	/
Right Hand Touched	512/1850.2	GSM	0.992	0.568	0.050	30.09	30.50	1.090	/
Right Hand Touched	810/1909.8	GSM	1.010	0.571	0.110	30.23	30.50	1.075	/
Right Hand Tilted 15°	661/1880	GSM	0.669	0.371	-0.030	30.25	30.50	0.709	/
Left Hand Touched	661/1880	GPRS 2TS	0.297	0.188	-0.010	25.59	26.00	0.326	/
Left Hand Tilted 15°	661/1880	GPRS 2TS	0.245	0.144	0.060	25.59	26.00	0.269	/
Right Hand Touched	661/1880	GPRS 2TS	0.825	0.462	0.120	25.59	26.00	0.907	/
Right Hand Touched	512/1850.2	GPRS 2TS	0.870	0.488	0.060	25.39	26.00	1.001	/
Right Hand Touched	810/1909.8	GPRS 2TS	0.765	0.423	0.020	25.62	26.00	0.835	/
Right Hand Tilted 15°	661/1880	GPRS 2TS	0.645	0.366	0.140	25.59	26.00	0.709	/
Tested at the worst position with SIM2									
Right Hand Touched	512/1850.2	GSM	0.971	0.554	0.040	30.09	30.50	1.067	/
Tested at the worst position with battery 2#									
Right Hand Touched	512/1850.2	GSM	1.060	0.604	0.090	30.09	30.50	1.165	/
Right Hand Touched-Repeated	512/1850.2	GSM	0.959	0.548	0.010	30.09	30.50	1.054	/
Tested at the worst position with battery 3#									
Right Hand Touched	512/1850.2	GSM	1.040	0.603	0.150	30.09	30.50	1.143	/
Additional SAR test(WiFi on function work, Second Antenna Synchronous transmission with Second Modem)									
Right Hand Touched	661/1880	GSM	0.489	0.266	0.110	25.03	25.50	0.545	/
Right Hand Touched	661/1880	GPRS 2TS	0.509	0.286	0.160	22.89	24.50	0.737	/

Table 159: Head SAR test results of GSM1900

Test Position of Body-Worn with 15mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune- up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	661/1880	GSM	0.119	0.077	0.180	30.25	30.50	0.126	/
Back Side	661/1880	GSM	0.122	0.078	-0.020	30.25	30.50	0.129	/
Front Side	661/1880	GPRS 2TS	0.127	0.082	0.140	25.59	26.00	0.140	/
Back Side	661/1880	GPRS 2TS	0.128	0.082	-0.070	25.59	26.00	0.141	/
Tested at the worst position with SIM2									
Back Side	661/1880	GPRS 2TS	0.123	0.079	0.070	25.59	26.00	0.135	/
Tested at the worst position with battery 2#									
Back Side	661/1880	GPRS 2TS	0.143	0.091	-0.120	25.59	26.00	0.157	/
Tested at the worst position with battery 3#									
Back Side	661/1880	GPRS 2TS	0.141	0.092	0.020	25.59	26.00	0.155	/

Table 160: Body-Worn SAR test results of GSM1900

Test Position of Hotspot with 10mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	661/1880	GPRS 2TS	0.205	0.131	0.130	26.23	27.00	0.245	/
Back Side	661/1880	GPRS 2TS	0.237	0.149	0.070	26.23	27.00	0.283	/
Left Side	661/1880	GPRS 2TS	0.267	0.159	-0.010	26.23	27.00	0.319	/
Top Side	661/1880	GPRS 2TS	0.193	0.101	-0.030	26.23	27.00	0.230	/
Tested at the worst position with SIM2									
Left Side	661/1880	GPRS 2TS	0.258	0.158	-0.150	26.23	27.00	0.308	/
Tested at the worst position with battery 2#									
Left Side	661/1880	GPRS 2TS	0.273	0.162	-0.140	26.23	27.00	0.326	/
Tested at the worst position with battery 3#									
Left Side	661/1880	GPRS 2TS	0.265	0.157	-0.030	26.23	27.00	0.316	/

Table 161: Hotspot SAR test results of GSM1900

7.2.4 SAR measurement Result of GSM1900(Second Antenna and Modem2)

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Left Hand Touched	661/1880	GSM	0.437	0.277	0.000	29.53	30.20	0.510	/
Left Hand Tilted 15°	661/1880	GSM	0.370	0.219	0.060	29.53	30.20	0.432	/
Right Hand Touched	661/1880	GSM	1.070	0.601	0.180	29.53	30.20	1.248	/
Right Hand Touched	512/1850.2	GSM	1.090	0.618	0.050	29.54	30.20	1.269	/
Right Hand Touched	810/1909.8	GSM	1.070	0.598	-0.070	29.50	30.20	1.257	/
Right Hand Tilted 15°	661/1880	GSM	0.775	0.428	0.040	29.53	30.20	0.904	/
Right Hand Tilted 15°	512/1850.2	GSM	0.801	0.440	-0.020	29.54	30.20	0.932	/
Right Hand Tilted 15°	810/1909.8	GSM	0.767	0.425	0.000	29.50	30.20	0.901	/
Tested at the worst position with battery 2#									
Right Hand Touched	512/1850.2	GSM	1.220	0.688	0.150	29.54	30.20	1.420	/
Tested at the worst position with battery 3#									
Right Hand Touched	512/1850.2	GSM	1.270	0.728	0.140	29.54	30.20	1.478	/
Right Hand Touched-Repeated	512/1850.2	GSM	1.280	0.733	0.010	29.54	30.20	1.490	/
Additional SAR test(Second Modem Synchronous transmission with Main Modem)									
Left Hand Touched	661/1880	GSM	0.294	0.184	0.000	25.53	26.00	0.328	/
Right Hand Touched	661/1880	GSM	0.577	0.319	0.020	25.53	26.00	0.643	/
Left Hand Touched	661/1880	GPRS 2TS	0.303	0.182	0.190	23.23	24.00	0.362	/
Left Hand Tilted 15°	661/1880	GPRS 2TS	0.257	0.148	0.010	23.23	24.00	0.307	/
Right Hand Touched	661/1880	GPRS 2TS	0.616	0.337	0.100	23.23	24.00	0.735	/
Right Hand Tilted 15°	661/1880	GPRS 2TS	0.436	0.235	0.100	23.23	24.00	0.521	/
Additional SAR test(WiFi on function work, Second modem Synchronous transmission with Main Modem)									
Left Hand Touched	661/1880	GSM	0.189	0.117	0.180	24.39	25.00	0.218	/
Right Hand Touched	661/1880	GSM	0.457	0.268	-0.040	24.39	25.00	0.526	/
Left Hand Touched	661/1880	GPRS 2TS	0.202	0.129	0.070	22.08	23.00	0.250	/
Right Hand Touched	661/1880	GPRS 2TS	0.564	0.314	-0.140	22.08	23.00	0.697	/

Table 162: Head SAR test results of GSM1900

Test Position of Body-Worn with 15mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	661/1880	GSM	0.107	0.070	-0.060	29.53	30.20	0.125	/
Back Side	661/1880	GSM	0.118	0.077	0.000	29.53	30.20	0.138	/
Front Side	661/1880	GPRS 2TS	0.112	0.074	0.020	24.94	25.50	0.127	/
Back Side	661/1880	GPRS 2TS	0.122	0.079	-0.010	24.94	25.50	0.139	/
Tested at the worst position with battery 2#									
Back Side	661/1880	GPRS 2TS	0.129	0.084	0.170	24.94	25.50	0.147	/
Tested at the worst position with battery 3#									
Back Side	661/1880	GPRS 2TS	0.138	0.091	0.060	24.94	25.50	0.157	/

Table 163: Body-Worn SAR test results of GSM1900

Test Position of Hotspot with 10mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	661/1880	GPRS 2TS	0.296	0.161	0.150	22.08	23.00	0.366	/
Back Side	661/1880	GPRS 2TS	0.305	0.166	-0.050	22.08	23.00	0.377	/
Left Side	661/1880	GPRS 2TS	0.477	0.274	0.020	22.08	23.00	0.590	/
Top Side	661/1880	GPRS 2TS	0.328	0.169	0.150	22.08	23.00	0.405	/
Tested at the worst position with battery 2#									
Left Side	661/1880	GPRS 2TS	0.298	0.163	0.030	22.08	23.00	0.368	/
Tested at the worst position with battery 3#									
Left Side	661/1880	GPRS 2TS	0.327	0.180	-0.010	22.08	23.00	0.404	/

Table 164: Hotspot SAR test results of GSM1900

7.2.5 SAR measurement Result of UMTS Band II(Second Antenna)

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Left Hand Touched	9400/1880	RMC	0.299	0.190	0.140	23.46	24.00	0.339	/
Left Hand Tilted 15°	9400/1880	RMC	0.229	0.143	0.030	23.46	24.00	0.259	/
Right Hand Touched	9400/1880	RMC	0.781	0.438	-0.020	23.46	24.00	0.884	/
Right Hand Tilted 15°	9400/1880	RMC	0.532	0.284	0.000	23.46	24.00	0.602	/
Right Hand Touched	9262/1852.4	RMC	0.756	0.427	0.030	23.32	24.00	0.884	/
Right Hand Touched	9538/1907.6	RMC	0.793	0.443	-0.010	23.40	24.00	0.910	/
Tested at the worst position with SIM2									
Right Hand Touched	9538/1907.6	RMC	0.762	0.425	0.090	23.40	24.00	0.875	/
Tested at the worst position with battery 2#									
Right Hand Touched	9538/1907.6	RMC	0.833	0.462	0.080	23.40	24.00	0.956	/
Right Hand Touched-Repeated	9538/1907.6	RMC	0.888	0.489	-0.010	23.40	24.00	1.020	/
Tested at the worst position with battery 3#									
Right Hand Touched	9538/1907.6	RMC	0.818	0.459	0.020	23.40	24.00	0.939	/

Table 165: Head SAR test results of UMTS Band II

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	9400/1880	RMC	0.089	0.057	0.020	23.46	24.00	0.101	/
Back Side	9400/1880	RMC	0.092	0.059	-0.050	23.46	24.00	0.105	/
Tested at the worst position with SIM2									
Back Side	9400/1880	RMC	0.093	0.060	-0.080	23.46	24.00	0.105	/
Tested at the worst position with battery 2#									
Back Side	9400/1880	RMC	0.107	0.068	0.100	23.46	24.00	0.121	/
Tested at the worst position with battery 3#									
Back Side	9400/1880	RMC	0.089	0.057	0.070	23.46	24.00	0.101	/

Table 166: Body-Worn SAR test results of UMTS Band II

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	9400/1880	RMC	0.149	0.096	0.070	18.35	19.00	0.173	/
Back Side	9400/1880	RMC	0.174	0.110	-0.110	18.35	19.00	0.202	
Left Side	9400/1880	RMC	0.189	0.113	-0.060	18.35	19.00	0.220	/
Top Side	9400/1880	RMC	0.143	0.078	-0.170	18.35	19.00	0.166	/
Tested at the worst position with SIM2									
Left Side	9400/1880	RMC	0.191	0.114	-0.030	18.35	19.00	0.222	/
Tested at the worst position with battery 2#									
Left Side	9400/1880	RMC	0.199	0.118	-0.110	18.35	19.00	0.231	/
Tested at the worst position with battery 3#									
Left Side	9400/1880	RMC	0.183	0.109	-0.020	18.35	19.00	0.213	/

Table 167: Hotspot SAR test results of UMTS Band II

7.2.6 SAR measurement Result of UMTS Band IV(Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Left Hand Touched	1413/1732.6	RMC	0.473	0.291	0.090	23.06	23.50	0.523	/
Left Hand Tilted 15°	1413/1732.6	RMC	0.465	0.272	0.040	23.06	23.50	0.515	/
Right Hand Touched	1413/1732.6	RMC	1.160	0.642	0.170	23.06	23.50	1.284	/
Right Hand Touched	1312/1712.4	RMC	1.080	0.601	-0.020	22.92	23.50	1.234	/
Right Hand Touched	1513/1752.6	RMC	1.170	0.650	0.060	23.07	23.50	1.292	/
Right Hand Tilted 15°	1413/1732.6	RMC	0.984	0.554	-0.150	23.06	23.50	1.089	/
Right Hand Tilted 15°	1312/1712.4	RMC	0.939	0.524	-0.090	22.92	23.50	1.073	/
Right Hand Tilted 15°	1513/1752.6	RMC	0.968	0.547	-0.010	23.07	23.50	1.069	/
Tested at the worst position with SIM2									
Right Hand Touched	1513/1752.6	RMC	1.250	0.699	0.060	23.07	23.50	1.380	/
Tested at the worst position with battery 2#									
Right Hand Touched	1513/1752.6	RMC	1.250	0.692	0.060	23.07	23.50	1.380	/
Tested at the worst position with battery 3#									
Right Hand Touched	1513/1752.6	RMC	1.300	0.724	0.020	23.07	23.50	1.435	/
Right Hand Touched-Repeated	1513/1752.6	RMC	1.250	0.705	0.060	23.07	23.50	1.380	/
Additional SAR test(Main Modem simultaneous transmission with Second Modem)									
Right Hand Touched	1413/1732.6	RMC	1.060	0.593	0.080	20.81	21.50	1.243	/
Right Hand Touched	1513/1752.6	RMC	1.080	0.606	0.050	20.69	21.50	1.301	/
Right Hand Touched	1312/1712.4	RMC	0.962	0.539	0.050	20.76	21.50	1.141	/
Additional SAR test(WiFi function work, Main Modem Synchronous transmission with Second Modem)									
Right Hand Touched	1413/1732.6	RMC	0.593	0.339	0.070	16.29	17.00	0.698	/
Right Hand Tilted 15°	1413/1732.6	RMC	0.409	0.215	0.070	16.29	17.00	0.482	/

Table 168: Head SAR test results of UMTS Band IV

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune- up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	1413/1732.6	RMC	0.120	0.077	0.130	23.06	23.50	0.133	/
Back Side	1413/1732.6	RMC	0.141	0.091	0.130	23.06	23.50	0.156	/
Tested at the worst position with SIM2									
Back Side	1413/1732.6	RMC	0.153	0.098	0.140	23.06	23.50	0.169	/
Tested at the worst position with battery 2#									
Back Side	1413/1732.6	RMC	0.121	0.076	-0.040	23.06	23.50	0.134	/
Tested at the worst position with battery 3#									
Back Side	1413/1732.6	RMC	0.131	0.083	0.070	23.06	23.50	0.145	/

Table 169: Body-Worn SAR test results of UMTS Band IV

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	1413/1732.6	RMC	0.253	0.156	0.100	21.27	22.00	0.299	/
Back Side	1413/1732.6	RMC	0.354	0.190	-0.020	21.27	22.00	0.419	/
Left Side	1413/1732.6	RMC	0.336	0.195	0.090	21.27	22.00	0.398	/
Top Side	1413/1732.6	RMC	0.400	0.200	0.070	21.27	22.00	0.473	/
Tested at the worst position with SIM2									
Top Side	1413/1732.6	RMC	0.398	0.196	-0.060	21.27	22.00	0.471	/
Tested at the worst position with battery 2#									
Top Side	1413/1732.6	RMC	0.382	0.191	0.120	21.27	22.00	0.452	/
Tested at the worst position with battery 3#									
Top Side	1413/1732.6	RMC	0.450	0.226	-0.010	21.27	22.00	0.532	/

Table 170: Hotspot SAR test results of UMTS Band IV

7.2.7 SAR measurement Result of UMTS Band V(Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Left Hand Touched	4182/836.4	RMC	0.761	0.409	0.000	23.09	23.50	0.836	/
Left Hand Touched	4132/826.4	RMC	0.669	0.360	0.030	23.03	23.50	0.745	/
Left Hand Touched	4233/846.6	RMC	0.816	0.439	-0.020	23.06	23.50	0.903	/
Left Hand Tilted 15°	4182/836.4	RMC	0.701	0.357	-0.100	23.09	23.50	0.770	/
Left Hand Tilted 15°	4132/826.4	RMC	0.591	0.302	0.110	23.03	23.50	0.659	/
Left Hand Tilted 15°	4233/846.6	RMC	0.756	0.384	0.180	23.06	23.50	0.837	/
Right Hand Touched	4182/836.4	RMC	1.150	0.605	0.050	23.09	23.50	1.264	/
Right Hand Touched	4132/826.4	RMC	1.080	0.569	0.020	23.03	23.50	1.203	/
Right Hand Touched	4233/846.6	RMC	1.190	0.628	0.020	23.06	23.50	1.317	/
Right Hand Tilted 15°	4182/836.4	RMC	0.966	0.475	-0.060	23.09	23.50	1.062	/
Right Hand Tilted 15°	4132/826.4	RMC	0.877	0.427	0.000	23.03	23.50	0.977	/
Right Hand Tilted 15°	4233/846.6	RMC	1.030	0.499	0.100	23.06	23.50	1.140	/
Tested at the worst position with SIM2									
Right Hand Touched	4233/846.6	RMC	1.210	0.630	-0.080	23.06	23.50	1.339	/
Right Hand Touched-Repeated	4233/846.6	RMC	1.240	0.653	0.010	23.06	23.50	1.372	/
Tested at the worst position with battery 2#									
Right Hand Touched	4233/846.6	RMC	1.010	0.527	0.190	23.06	23.50	1.118	/
Tested at the worst position with battery 3#									
Right Hand Touched	4233/846.6	RMC	1.190	0.627	-0.010	23.06	23.50	1.317	/
Additional SAR test(Main Modem simultaneous transmission with Second Modem)									
Right Hand Touched	4182/836.4	RMC	1.050	0.542	-0.040	21.23	22.00	1.254	/
Right Hand Touched	4132/826.4	RMC	0.979	0.503	0.010	21.25	22.00	1.164	/
Right Hand Touched	4233/846.6	RMC	1.060	0.546	-0.020	21.23	22.00	1.266	/

Additional SAR test(WiFi function work, Main Modem Synchronous transmission with Second Modem)									
Left Hand Touched	4182/836.4	RMC	0.373	0.200	0.080	18.71	19.50	0.447	/
Left Hand Tilted 15°	4182/836.4	RMC	0.330	0.192	-0.030	18.71	19.50	0.396	/
Right Hand Touched	4182/836.4	RMC	0.644	0.334	0.000	18.71	19.50	0.772	
Right Hand Tilted 15°	4182/836.4	RMC	0.475	0.303	-0.100	18.71	19.50	0.570	/

Table 171: Head SAR test results of UMTS Band V

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune- up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	4182/836.4	RMC	0.154	0.111	0.010	23.09	23.50	0.169	/
Back Side	4182/836.4	RMC	0.185	0.134	-0.050	23.09	23.50	0.203	/
Tested at the worst position with SIM2									
Back Side	4182/836.4	RMC	0.176	0.127	-0.110	23.09	23.50	0.193	/
Tested at the worst position with battery 2#									
Back Side	4182/836.4	RMC	0.138	0.100	0.070	23.09	23.50	0.152	/
Tested at the worst position with battery 3#									
Back Side	4182/836.4	RMC	0.190	0.138	0.040	23.09	23.50	0.209	/

Table 172: Body-Worn SAR test results of UMTS Band V

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	4182/836.4	RMC	0.357	0.202	0.020	21.77	22.50	0.422	/
Back Side	4182/836.4	RMC	0.433	0.239	-0.020	21.77	22.50	0.512	/
Left Side	4182/836.4	RMC	0.370	0.252	0.000	21.77	22.50	0.438	/
Top Side	4182/836.4	RMC	0.298	0.147	-0.090	21.77	22.50	0.353	/
Tested at the worst position with SIM2									
Back Side	4182/836.4	RMC	0.423	0.234	-0.030	21.77	22.50	0.500	/
Tested at the worst position with battery 2#									
Back Side	4182/836.4	RMC	0.341	0.189	-0.010	21.77	22.50	0.403	/
Tested at the worst position with battery 3#									
Back Side	4182/836.4	RMC	0.473	0.261	-0.020	21.77	22.50	0.560	/

Table 173: Hotspot SAR test results of UMTS Band V

7.2.8 SAR measurement Result of LTE Band II(Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	19100/1900	20M QPSK 1RB#50	0.249	0.150	0.130	23.68	23.90	0.262	/
Left Hand Tilted 15°	19100/1900	20M QPSK 1RB#50	0.185	0.115	0.080	23.68	23.90	0.195	/
Right Hand Touched	19100/1900	20M QPSK 1RB#50	0.625	0.353	0.120	23.68	23.90	0.657	/
Right Hand Tilted 15°	19100/1900	20M QPSK 1RB#50	0.462	0.269	0.060	23.68	23.90	0.486	/
Right Hand Touched	18700/1860	20M QPSK 1RB#50	0.618	0.354	0.170	23.54	23.90	0.671	/
Right Hand Touched	18900/1880	20M QPSK 1RB#50	0.742	0.423	0.040	23.42	23.90	0.829	/
50%RB									
Left Hand Touched	19100/1900	20M QPSK 50%RB#0	0.216	0.130	0.130	22.63	23.20	0.246	/
Left Hand Tilted 15°	19100/1900	20M QPSK 50%RB#0	0.157	0.098	0.050	22.63	23.20	0.179	/
Right Hand Touched	19100/1900	20M QPSK 50%RB#0	0.537	0.303	-0.140	22.63	23.20	0.612	/
Right Hand Tilted 15°	19100/1900	20M QPSK 50%RB#0	0.380	0.221	0.050	22.63	23.20	0.433	/
100%RB									
Left Hand Touched	19100/1900	20M QPSK 100%RB#0	0.557	0.311	0.010	22.61	23.20	0.638	/
Tested at the worst position with SIM2									
Right Hand Touched	18900/1880	20M QPSK 1RB#50	0.803	0.455	-0.030	23.42	23.90	0.897	/
Tested at the worst position with battery 2#									
Right Hand Touched	18900/1880	20M QPSK 1RB#50	0.848	0.477	0.120	23.42	23.90	0.947	/
Tested at the worst position with battery 3#									
Right Hand Touched	18900/1880	20M QPSK 1RB#50	0.918	0.519	0.090	23.42	23.90	1.025	/
Right Hand Touched-Repeated	18900/1880	20M QPSK 1RB#50	0.905	0.511	0.040	23.42	23.90	1.011	/

Table 174: Head SAR test results of LTE Band II

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	19100/1900	20M QPSK 1RB#50	0.071	0.046	0.160	23.68	23.90	0.074	/
Back Side	19100/1900	20M QPSK 1RB#50	0.070	0.045	0.040	23.68	23.90	0.074	/
50%RB									
Front Side	19100/1900	20M QPSK 1RB#50	0.061	0.037	0.180	22.63	23.20	0.069	/
Back Side	19100/1900	20M QPSK 1RB#50	0.061	0.037	-0.150	22.63	23.20	0.069	/
Tested at the worst position with SIM2									
Back Side	19100/1900	20M QPSK 1RB#50	0.075	0.047	0.200	23.68	23.90	0.078	/
Tested at the worst position with battery 2#									
Back Side	19100/1900	20M QPSK 1RB#50	0.080	0.052	0.030	23.68	23.90	0.084	/
Tested at the worst position with battery 3#									
Back Side	19100/1900	20M QPSK 1RB#50	0.075	0.049	0.110	23.68	23.90	0.079	/

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

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	19100/1900	20M QPSK 1RB#50	0.086	0.042	0.170	18.62	18.90	0.091	/
Back Side	19100/1900	20M QPSK 1RB#50	0.117	0.058	0.040	18.62	18.90	0.125	/
Left Side	19100/1900	20M QPSK 1RB#50	0.164	0.095	-0.150	18.62	18.90	0.175	/
Top Side	19100/1900	20M QPSK 1RB#50	0.111	0.048	-0.130	18.62	18.90	0.118	/
50%RB									
Front Side	19100/1900	20M QPSK 50%RB#0	0.062	0.031	-0.010	17.56	18.20	0.071	/
Back Side	19100/1900	20M QPSK 50%RB#0	0.093	0.042	-0.200	17.56	18.00	0.103	/
Left Side	19100/1900	20M QPSK 50%RB#0	0.124	0.068	-0.100	17.56	18.00	0.137	/
Top Side	19100/1900	20M QPSK 50%RB#0	0.087	0.032	-0.090	17.56	18.00	0.097	/
Tested at the worst position with SIM2									
Left Side	19100/1900	20M QPSK 1RB#50	0.164	0.092	-0.060	18.62	18.90	0.175	/
Tested at the worst position with battery 2#									
Left Side	19100/1900	20M QPSK 1RB#50	0.160	0.093	-0.080	18.62	18.90	0.171	/
Tested at the worst position with battery 3#									
Left Side	19100/1900	20M QPSK 1RB#50	0.156	0.094	0.030	18.62	18.90	0.166	/

Table 176: Hotspot SAR test results of LTE Band II

7.2.9 SAR measurement Result of LTE Band IV(Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	20050/1720	20M QPSK 1RB#50	0.379	0.243	0.140	24.08	24.50	0.417	/
Left Hand Tilted 15°	20050/1720	20M QPSK 1RB#50	0.341	0.201	0.030	24.08	24.50	0.376	/
Right Hand Touched	20050/1720	20M QPSK 1RB#50	0.905	0.506	0.090	24.08	24.50	0.997	/
Right Hand Touched	20175/1732.5	20M QPSK 1RB#0	0.916	0.511	0.060	23.60	24.50	1.127	/
Right Hand Touched	20300/1745	20M QPSK 1RB#99	1.130	0.628	0.100	23.97	24.50	1.277	/
Right Hand Tilted 15°	20050/1720	20M QPSK 1RB#50	0.683	0.350	0.050	24.08	24.50	0.752	/
50%RB									
Left Hand Touched	20050/1720	20M QPSK 50%RB#50	0.302	0.191	0.050	22.66	23.50	0.366	/
Left Hand Tilted 15°	20050/1720	20M QPSK 50%RB#50	0.293	0.173	0.040	22.66	23.50	0.356	/
Right Hand Touched	20050/1720	20M QPSK 50%RB#50	0.759	0.423	0.100	22.66	23.50	0.921	/
Right Hand Touched	20175/1732.5	20M QPSK 50%RB#0	0.764	0.426	0.140	22.45	23.50	0.973	/
Right Hand Touched	20300/1745	20M QPSK 50%RB#50	0.734	0.408	0.080	22.18	23.50	0.995	/
Right Hand Tilted 15°	20050/1720	20M QPSK 50%RB#50	0.624	0.348	-0.190	22.66	23.50	0.757	/
100%RB									
Right Hand Touched	20050/1720	20M QPSK 100%RB#0	0.473	0.257	0.120	22.48	23.50	0.598	/
Tested at the worst position with SIM2									
Right Hand Touched	20300/1745	20M QPSK 1RB#99	1.280	0.700	-0.020	23.97	24.50	1.446	/
Tested at the worst position with battery 2#									
Right Hand Touched	20300/1745	20M QPSK 1RB#99	1.220	0.670	0.040	23.97	24.50	1.378	/
Tested at the worst position with battery 3#									
Right Hand Touched	20300/1745	20M QPSK 1RB#99	1.280	0.714	-0.040	23.97	24.50	1.446	/
Right Hand Touched	20300/1745	20M QPSK 1RB#99	1.260	0.703	0.050	23.97	24.50	1.424	/

Additional SAR test(Main Modem simultaneous transmission with Second Modem)									
1RB									
Right Hand Touched	20050/1720	20M QPSK 1RB#99	0.782	0.435	0.160	21.02	21.30	0.834	/
Right Hand Touched	20175/1732.5	20M QPSK 1RB#0	0.776	0.431	0.120	20.81	21.30	0.869	/
Right Hand Touched	20300/1745	20M QPSK 1RB#99	0.950	0.526	0.060	20.89	21.30	1.044	/
50%RB									
Right Hand Touched	20050/1720	20M QPSK 50%RB#50	0.579	0.347	0.060	19.73	19.80	0.588	/
100%RB									
Right Hand Touched	20050/1720	20M QPSK 100%RB#0	0.517	0.310	0.110	19.32	19.80	0.577	/
Additional SAR test(WiFi function work, Main Modem simultaneous transmission with Second Modem)									
1RB									
Right Hand Touched	20050/1720	20M QPSK 1RB#50	0.368	0.216	0.160	14.89	16.50	0.533	/
50%RB									
Right Hand Touched	20050/1720	20M QPSK 50%RB#25	0.277	0.161	0.180	13.74	15.30	0.397	/

Table 177: Head SAR test results of LTE Band IV

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	20050/1720	20M QPSK 1RB#50	0.156	0.092	0.030	24.08	24.50	0.172	/
Back Side	20050/1720	20M QPSK 1RB#50	0.181	0.106	0.060	24.08	24.50	0.199	/
50%RB									
Front Side	20050/1720	20M QPSK 50%RB#50	0.127	0.077	0.080	22.66	23.50	0.154	/
Back Side	20050/1720	20M QPSK 50%RB#50	0.136	0.084	0.070	22.66	23.50	0.165	/
Tested at the worst position with SIM2									
Back Side	20050/1720	20M QPSK 1RB#50	0.150	0.092	-0.050	24.08	24.50	0.165	/
Tested at the worst position with battery 2#									
Back Side	20050/1720	20M QPSK 1RB#50	0.180	0.106	0.050	24.08	24.50	0.198	/
Tested at the worst position with battery 3#									
Back Side	20050/1720	20M QPSK 1RB#50	0.182	0.107	-0.070	24.08	24.50	0.200	/

Table 178: Body-Worn SAR test results of LTE Band IV

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	20050/1720	20M QPSK 1RB#50	0.342	0.189	0.190	21.36	21.50	0.353	/
Back Side	20050/1720	20M QPSK 1RB#50	0.487	0.263	-0.090	21.36	21.50	0.503	/
Left Side	20050/1720	20M QPSK 1RB#50	0.329	0.196	-0.060	21.36	21.50	0.340	/
Top Side	20050/1720	20M QPSK 1RB#50	0.463	0.248	0.050	21.36	21.50	0.478	/
50%RB									
Front Side	20050/1720	20M QPSK 50%RB#50	0.300	0.166	0.080	20.23	20.40	0.312	/
Back Side	20050/1720	20M QPSK 50%RB#50	0.339	0.194	-0.110	20.23	20.40	0.353	/
Left Side	20050/1720	20M QPSK 50%RB#50	0.288	0.170	-0.050	20.23	20.40	0.299	/
Top Side	20050/1720	20M QPSK 50%RB#50	0.381	0.199	0.030	20.23	20.40	0.396	/
Tested at the worst position with SIM2									
Back Side	20050/1720	20M QPSK 1RB#50	0.448	0.244	-0.070	21.36	21.50	0.463	/
Tested at the worst position with battery 2#									
Back Side	20050/1720	20M QPSK 1RB#50	0.375	0.207	-0.090	21.36	21.50	0.387	/
Tested at the worst position with battery 3#									
Back Side	20050/1720	20M QPSK 1RB#50	0.396	0.214	0.000	21.36	21.50	0.409	/

Table 179: Hotspot SAR test results of LTE Band IV

7.2.10 SAR measurement Result of LTE Band V(Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	20450/829	10M QPSK 1RB#25	0.661	0.360	0.100	23.23	24.00	0.789	/
Left Hand Tilted 15°	20450/829	10M QPSK 1RB#25	0.590	0.306	0.130	23.23	24.00	0.704	/
Right Hand Touched	20450/829	10M QPSK 1RB#25	1.030	0.539	0.020	23.23	24.00	1.230	/
Right Hand Touched	20525/836.5	10M QPSK 1RB#25	0.880	0.458	0.000	23.01	24.00	1.105	/
Right Hand Touched	20600/844	10M QPSK 1RB#25	1.100	0.573	0.010	23.20	24.00	1.322	/
Right Hand Tilted 15°	20450/829	10M QPSK 1RB#25	0.883	0.424	0.060	23.23	24.00	1.054	/
Right Hand Tilted 15°	20525/836.5	10M QPSK 1RB#25	0.653	0.407	0.000	23.01	24.00	0.820	/
Right Hand Tilted 15°	20600/844	10M QPSK 1RB#25	0.961	0.461	0.020	23.20	24.00	1.155	/
50%RB									
Left Hand Touched	20600/844	10M QPSK 50%RB#13	0.798	0.430	0.060	22.16	23.00	0.968	/
Left Hand Touched	20450/829	10M QPSK 50%RB#13	0.589	0.317	0.050	22.15	23.00	0.716	/
Left Hand Touched	20525/836.5	10M QPSK 50%RB#13	0.565	0.304	0.000	21.96	23.00	0.718	/
Left Hand Tilted 15°	20600/844	10M QPSK 50%RB#13	0.699	0.359	-0.020	22.16	23.00	0.848	/
Left Hand Tilted 15°	20450/829	10M QPSK 50%RB#13	0.543	0.277	0.030	22.15	23.00	0.660	/
Left Hand Tilted 15°	20525/836.5	10M QPSK 50%RB#13	0.534	0.272	0.040	21.96	23.00	0.678	/
Right Hand Touched	20600/844	10M QPSK 50%RB#13	0.999	0.518	0.070	22.16	23.00	1.212	/
Right Hand Touched	20450/829	10M QPSK 50%RB#13	0.984	0.506	-0.080	22.15	23.00	1.197	/
Right Hand Touched	20525/836.5	10M QPSK 50%RB#13	0.923	0.478	0.060	21.96	23.00	1.173	/
Right Hand Tilted 15°	20600/844	10M QPSK 50%RB#13	0.788	0.489	0.000	22.16	23.00	0.956	/
Right Hand Tilted 15°	20450/829	10M QPSK 50%RB#13	0.838	0.396	0.110	22.15	23.00	1.019	/
Right Hand Tilted 15°	20525/836.5	10M QPSK 50%RB#13	0.626	0.391	0.030	21.96	23.00	0.795	/
100%RB									
Left Hand Touched	20600/844	10M QPSK 100%RB#0	0.656	0.352	0.080	22.09	23.00	0.809	/
Left Hand Tilted 15°	20600/844	10M QPSK 100%RB#0	0.620	0.317	0.030	22.09	23.00	0.765	/
Right Hand Touched	20600/844	10M QPSK 100%RB#0	1.010	0.523	0.030	22.09	23.00	1.245	/

Right Hand Tilted 15°	20600/844	10M QPSK 100%RB#0	0.737	0.456	0.040	22.09	23.00	0.909	/
Tested at the worst position with SIM2									
Right Hand Touched	20600/844	10M QPSK 1RB#25	1.200	0.630	-0.030	23.20	24.00	1.443	/
Right Hand Touched-Repeated	20600/844	10M QPSK 1RB#25	1.180	0.622	-0.070	23.20	24.00	1.419	/
Tested at the worst position with battery 2#									
Right Hand Touched	20600/844	10M QPSK 1RB#25	0.878	0.458	-0.090	23.20	24.00	1.056	/
Tested at the worst position with battery 3#									
Right Hand Touched	20600/844	10M QPSK 1RB#25	1.180	0.616	0.080	23.20	24.00	1.419	/
Additional SAR test(Main modem simultaneous transmission with Second Modem)									
1RB									
Right Hand Touched	20600/844	10M QPSK 1RB#25	0.945	0.494	0.030	20.82	21.50	1.105	/
Right Hand Touched	20450/829	10M QPSK 1RB#25	0.891	0.460	-0.010	20.79	21.50	1.049	/
Right Hand Touched	20525/836.5	10M QPSK 1RB#25	0.686	0.437	-0.020	20.65	21.50	0.834	/
50%RB									
Right Hand Touched	20600/844	10M QPSK 50%RB#13	0.665	0.422	-0.030	19.80	20.50	0.781	/
100%RB									
Right Hand Touched	20600/844	10M QPSK 100%RB#0	0.685	0.352	0.050	19.67	20.50	0.829	/
Additional SAR test(WiFi function work, Main modem simultaneous transmission with Second Modem)									
1RB									
Left Hand Touched	20600/844	10M QPSK 1RB#25	0.525	0.281	0.080	19.85	20.50	0.610	/
Left Hand Tilted 15°	20600/844	10M QPSK 1RB#25	0.529	0.271	0.020	19.85	20.50	0.614	/
Right Hand Touched	20600/844	10M QPSK 1RB#25	0.853	0.442	-0.050	19.85	20.50	0.991	/
Right Hand Touched	20450/829	10M QPSK 1RB#25	0.788	0.409	-0.020	19.83	20.50	0.919	/
Right Hand Touched	20525/836.5	10M QPSK 1RB#25	0.616	0.394	0.010	19.63	20.50	0.753	/
Right Hand Tilted 15°	20600/844	10M QPSK 1RB#25	0.740	0.356	-0.100	19.85	20.50	0.859	/
Right Hand Tilted 15°	20450/829	10M QPSK 1RB#25	0.588	0.365	0.020	19.83	20.50	0.686	/
Right Hand Tilted 15°	20525/836.5	10M QPSK 1RB#25	0.519	0.320	0.000	19.63	20.50	0.634	/
50%RB									
Left Hand Touched	20600/844	10M QPSK 50%RB#13	0.425	0.228	0.020	18.82	19.50	0.497	/
Left Hand Tilted 15°	20600/844	10M QPSK 50%RB#13	0.415	0.212	0.080	18.82	19.50	0.485	/
Right Hand Touched	20600/844	10M QPSK 50%RB#13	0.595	0.380	-0.020	18.82	19.50	0.696	/

Right Hand Tilted 15°	20600/844	10M QPSK 50%RB#13	0.502	0.307	0.010	18.82	19.50	0.587	/
100%RB									
Right Hand Touched	20600/844	10M QPSK 100%RB#0	0.610	0.316	0.020	18.69	19.50	0.735	/
Right Hand Tilted 15°	20600/844	10M QPSK 100%RB#0	0.543	0.258	0.020	18.69	19.50	0.654	/

Table 180: Head SAR test results of LTE Band V

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	20450/829	10M QPSK 1RB#25	0.126	0.093	0.020	23.23	24.00	0.150	/
Back Side	20450/829	10M QPSK 1RB#25	0.146	0.106	0.010	23.23	24.00	0.174	/
50%RB									
Front Side	20600/844	10M QPSK 50%RB#13	0.130	0.087	-0.020	22.16	23.00	0.158	/
Back Side	20600/844	10M QPSK 50%RB#13	0.148	0.096	-0.020	22.16	23.00	0.180	/
Tested at the worst position with SIM2									
Back Side	20600/844	10M QPSK 50%RB#13	0.159	0.095	-0.040	22.16	23.00	0.193	/
Tested at the worst position with battery 2#									
Back Side	20600/844	10M QPSK 50%RB#13	0.109	0.065	-0.110	22.16	23.00	0.132	/
Tested at the worst position with battery 3#									
Back Side	20600/844	10M QPSK 50%RB#13	0.171	0.101	-0.030	22.16	23.00	0.207	/

Table 181: Body-Worn SAR test results of LTE Band V

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	20450/829	10M QPSK 1RB#25	0.259	0.165	0.040	21.56	22.00	0.287	/
Back Side	20450/829	10M QPSK 1RB#25	0.283	0.158	-0.040	21.56	22.00	0.313	/
Left Side	20450/829	10M QPSK 1RB#25	0.281	0.188	-0.050	21.56	22.00	0.311	/
Top Side	20450/829	10M QPSK 1RB#25	0.195	0.102	-0.010	21.56	22.00	0.216	/
50%RB									
Front Side	20600/844	10M QPSK 50%RB#13	0.307	0.172	0.010	20.51	21.00	0.344	/
Back Side	20600/844	10M QPSK 50%RB#13	0.331	0.184	-0.030	20.51	21.00	0.371	/
Left Side	20600/844	10M QPSK 50%RB#13	0.294	0.199	-0.050	20.51	21.00	0.329	/
Top Side	20600/844	10M QPSK 50%RB#13	0.252	0.124	-0.030	20.51	21.00	0.282	/
Tested at the worst position with SIM2									
Back Side	20600/844	10M QPSK 50%RB#13	0.331	0.185	-0.030	20.51	21.00	0.371	/
Tested at the worst position with battery 2#									
Back Side	20600/844	10M QPSK 50%RB#13	0.294	0.166	0.000	20.51	21.00	0.329	/
Tested at the worst position with battery 3#									
Back Side	20600/844	10M QPSK 50%RB#13	0.338	0.186	0.010	20.51	21.00	0.378	/

Table 182: Hotspot SAR test results of LTE Band V

7.2.11 SAR measurement Result of LTE Band VII(Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	21350/2560	20M QPSK 1RB#50	0.326	0.162	0.190	23.28	23.50	0.343	/
Left Hand Tilted 15°	21350/2560	20M QPSK 1RB#50	0.235	0.125	0.140	23.28	23.50	0.247	/
Right Hand Touched	21350/2560	20M QPSK 1RB#50	1.090	0.530	0.000	23.28	23.50	1.147	/
Right Hand Touched	20850/2510	20M QPSK 1RB#50	0.919	0.443	0.160	23.08	23.50	1.012	/
Right Hand Touched	21100/2535	20M QPSK 1RB#99	0.967	0.472	0.140	23.15	23.50	1.048	/
Right Hand Tilted 15°	21350/2560	20M QPSK 1RB#50	1.020	0.450	-0.090	23.28	23.50	1.073	/
Right Hand Tilted 15°	20850/2510	20M QPSK 1RB#50	0.842	0.371	0.070	23.08	23.50	0.927	/
Right Hand Tilted 15°	21100/2535	20M QPSK 1RB#99	0.887	0.389	0.040	23.15	23.50	0.961	/
50%RB									
Left Hand Touched	21350/2560	20M QPSK 50%RB#0	0.240	0.123	0.130	22.26	23.00	0.285	/
Left Hand Tilted 15°	21350/2560	20M QPSK 50%RB#0	0.175	0.094	0.090	22.26	23.00	0.208	/
Right Hand Touched	21350/2560	20M QPSK 50%RB#0	0.826	0.402	0.110	22.26	23.00	0.979	/
Right Hand Touched	20850/2510	20M QPSK 50%RB#50	0.640	0.324	0.170	22.05	23.00	0.796	/
Right Hand Touched	21100/2535	20M QPSK 50%RB#0	0.698	0.354	0.110	22.10	23.00	0.859	/
Right Hand Tilted 15°	21350/2560	20M QPSK 50%RB#0	0.588	0.315	0.160	22.26	23.00	0.697	/
100%RB									
Right Hand Touched	21350/2560	20M QPSK 100%RB#0	0.865	0.409	0.130	22.20	23.00	1.040	/
Right Hand Tilted 15°	21350/2560	20M QPSK 100%RB#0	0.728	0.358	0.000	22.20	23.00	0.875	/
Tested at the worst position with SIM2									
Right Hand Touched	21350/2560	20M QPSK 1RB#50	1.140	0.541	-0.080	23.28	23.50	1.199	/
Right Hand Touched - Repeated	21350/2560	20M QPSK 1RB#50	1.150	0.544	-0.070	23.28	23.50	1.210	/
Tested at the worst position with battery 2#									
Right Hand Touched	21350/2560	20M QPSK 1RB#50	0.921	0.448	0.180	23.28	23.50	0.969	/
Tested at the worst position with battery 3#									
Right Hand Touched	21350/2560	20M QPSK 1RB#50	1.030	0.503	0.100	23.28	23.50	1.084	/

Additional SAR test(WiFi function work, Main modem Synchronous transmission with Second Modem)									
1RB									
Right Hand Touched	21100/2535	20M QPSK 1RB#50	0.839	0.395	0.010	14.79	15.50	0.988	/
Right Hand Touched	20850/2510	20M QPSK 1RB#50	0.791	0.369	0.120	14.53	15.50	0.989	/
Right Hand Touched	21350/2560	20M QPSK 1RB#99	0.783	0.371	0.130	14.50	15.50	0.986	/
Right Hand Tilted 15°	21100/2535	20M QPSK 1RB#50	0.725	0.315	0.160	14.79	15.50	0.854	/
Right Hand Tilted 15°	20850/2510	20M QPSK 1RB#50	0.652	0.285	0.160	14.53	15.50	0.815	/
Right Hand Tilted 15°	21350/2560	20M QPSK 1RB#99	0.640	0.277	0.140	14.50	15.50	0.806	/
50%RB									
Right Hand Touched	21100/2535	20M QPSK 50%RB#25	0.626	0.296	0.110	13.96	15.00	0.795	/
Right Hand Tilted 15°	21100/2535	20M QPSK 50%RB#25	0.441	0.228	0.070	13.96	15.00	0.560	/
100%RB									
Right Hand Touched	21100/2535	20M QPSK 100%RB#0	0.582	0.272	0.180	13.66	15.00	0.792	/
Right Hand Tilted 15°	21100/2535	20M QPSK 100%RB#0	0.426	0.220	0.100	13.66	15.00	0.580	/

Table 183: Head SAR test results of LTE Band VII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	21350/2560	20M QPSK 1RB#50	0.113	0.062	0.070	23.28	23.50	0.119	/
Back Side	21350/2560	20M QPSK 1RB#50	0.109	0.059	0.080	23.28	23.50	0.115	/
50%RB									
Front Side	21350/2560	20M QPSK 50%RB#0	0.083	0.045	0.070	22.26	23.00	0.098	/
Back Side	21350/2560	20M QPSK 50%RB#0	0.079	0.043	0.040	22.26	23.00	0.094	/
Tested at the worst position with SIM2									
Front Side	21350/2560	20M QPSK 1RB#50	0.101	0.057	-0.040	23.28	23.50	0.106	/
Tested at the worst position with battery 2#									
Front Side	21350/2560	20M QPSK 1RB#50	0.077	0.042	-0.090	23.28	23.50	0.081	/
Tested at the worst position with battery 3#									
Front Side	21350/2560	20M QPSK 1RB#50	0.102	0.056	0.120	23.28	23.50	0.107	/

Table 184: Body-Worn SAR test results of LTE Band VII

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	21100/2535	20M QPSK 1RB#50	0.357	0.187	-0.130	18.63	19.00	0.389	/
Back Side	21100/2535	20M QPSK 1RB#50	0.410	0.209	0.050	18.63	19.00	0.446	/
Left Side	21100/2535	20M QPSK 1RB#50	0.362	0.182	-0.120	18.63	19.00	0.394	/
Top Side	21100/2535	20M QPSK 1RB#50	0.156	0.073	-0.060	18.63	19.00	0.170	/
50%RB									
Front Side	21100/2535	20M QPSK 50%RB#25	0.276	0.149	0.120	17.58	18.00	0.304	/
Back Side	21100/2535	20M QPSK 50%RB#25	0.318	0.166	-0.100	17.58	18.00	0.350	/
Left Side	21100/2535	20M QPSK 50%RB#25	0.278	0.140	-0.140	17.58	18.00	0.306	/
Top Side	21100/2535	20M QPSK 50%RB#25	0.120	0.056	-0.080	17.58	18.00	0.132	/
Tested at the worst position with SIM2									
Back Side	21100/2535	20M QPSK 1RB#50	0.445	0.228	0.150	18.63	19.00	0.485	/
Tested at the worst position with battery 2#									
Back Side	21100/2535	20M QPSK 1RB#50	0.329	0.172	-0.090	18.63	19.00	0.358	/
Tested at the worst position with battery 3#									
Back Side	21100/2535	20M QPSK 1RB#50	0.386	0.200	0.020	18.63	19.00	0.420	/

Table 185: Hotspot SAR test results of LTE Band VII

7.2.12 SAR measurement Result of LTE Band XII(Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	23060/704	10M QPSK 1RB#49	0.533	0.285	0.040	23.31	24.00	0.625	/
Left Hand Tilted 15°	23060/704	10M QPSK 1RB#49	0.477	0.246	0.040	23.31	24.00	0.559	/
Right Hand Touched	23060/704	10M QPSK 1RB#49	1.090	0.559	0.060	23.31	24.00	1.278	/
Right Hand Touched	23095/707.5	10M QPSK 1RB#49	1.080	0.558	-0.070	23.30	24.00	1.269	/
Right Hand Touched	23130/711	10M QPSK 1RB#25	1.150	0.592	-0.020	23.28	24.00	1.357	/
Right Hand Tilted 15°	23060/704	10M QPSK 1RB#49	0.987	0.475	-0.040	23.31	24.00	1.157	/
Right Hand Tilted 15°	23095/707.5	10M QPSK 1RB#49	0.972	0.473	-0.030	23.30	24.00	1.142	/
Right Hand Tilted 15°	23130/711	10M QPSK 1RB#25	1.030	0.500	-0.060	23.28	24.00	1.216	/
50%RB									
Left Hand Touched	23130/711	10M QPSK 50%RB#13	0.425	0.257	0.030	22.19	23.00	0.512	/
Left Hand Tilted 15°	23130/711	10M QPSK 50%RB#13	0.361	0.220	0.060	22.19	23.00	0.435	/
Right Hand Touched	23130/711	10M QPSK 50%RB#13	0.885	0.454	0.010	22.19	23.00	1.066	/
Right Hand Touched	23060/704	10M QPSK 50%RB#13	0.922	0.471	-0.050	21.89	23.00	1.191	/
Right Hand Touched	23095/707.5	10M QPSK 50%RB#13	0.845	0.432	0.000	21.87	23.00	1.096	/
Right Hand Tilted 15°	23130/711	10M QPSK 50%RB#13	0.643	0.410	0.000	22.19	23.00	0.775	/
100%RB									
Right Hand Touched	23130/711	10M QPSK 100%RB#0	0.829	0.426	-0.020	22.15	23.00	1.008	/
Right Hand Tilted 15°	23130/711	10M QPSK 100%RB#0	0.757	0.364	-0.030	22.15	23.00	0.921	/
Tested at the worst position with SIM2									
Right Hand Touched	23130/711	10M QPSK 1RB#25	1.180	0.602	-0.030	23.28	24.00	1.393	/
Tested at the worst position with battery 2#									
Right Hand Touched	23130/711	10M QPSK 1RB#25	0.965	0.495	-0.010	23.28	24.00	1.139	/
Tested at the worst position with battery 3#									
Right Hand Touched	23130/711	10M QPSK 1RB#25	1.200	0.617	0.000	23.28	24.00	1.416	/
Right Hand Touched	23130/711	10M QPSK 1RB#25	1.220	0.619	-0.050	23.28	24.00	1.440	/

Additional SAR test(Main Modem simultaneous transmission with Second Modem)									
1RB									
Right Hand Touched	23130/711	10M QPSK 1RB#25	0.993	0.510	-0.050	22.45	23.00	1.127	/
Right Hand Touched	23060/704	10M QPSK 1RB#25	1.000	0.514	-0.010	22.20	23.00	1.202	/
Right Hand Touched	23095/707.5	10M QPSK 1RB#49	0.918	0.472	-0.030	22.20	23.00	1.104	/
50%RB									
Right Hand Touched	23130/711	10M QPSK 50%RB#13	0.938	0.479	-0.020	21.21	22.00	1.125	/
Right Hand Touched	23060/704	10M QPSK 50%RB#0	0.894	0.570	-0.020	21.13	22.00	1.092	/
Right Hand Touched	23095/707.5	10M QPSK 50%RB#25	0.831	0.531	0.010	21.15	22.00	1.011	/
100%RB									
Right Hand Touched	23060/704	10M QPSK 100%RB#0	0.862	0.550	-0.020	21.11	22.00	1.058	/
Additional SAR test(WiFi function work, Main Modem simultaneous transmission with Second Modem)									
1RB									
Left Hand Touched	23130/711	10M QPSK 1RB#25	0.407	0.222	0.090	20.63	21.00	0.443	/
Right Hand Touched	23130/711	10M QPSK 1RB#25	0.724	0.373	0.020	20.63	21.00	0.788	/
Right Hand Tilted 15°	23130/711	10M QPSK 1RB#25	0.653	0.319	-0.010	20.63	21.00	0.711	/
50%RB									
Left Hand Touched	23130/711	10M QPSK 50%RB#13	0.295	0.179	0.040	19.51	20.00	0.330	/
Right Hand Touched	23130/711	10M QPSK 50%RB#13	0.511	0.328	0.000	19.51	20.00	0.572	/
Right Hand Tilted 15°	23130/711	10M QPSK 50%RB#13	0.443	0.279	-0.010	19.51	20.00	0.496	/

Table 186: Head SAR test results of LTE Band XII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	23060/704	10M QPSK 1RB#49	0.127	0.077	0.010	23.31	24.00	0.149	/
Back Side	23060/704	10M QPSK 1RB#49	0.148	0.089	0.110	23.31	24.00	0.173	/
50%RB									
Front Side	23130/711	10M QPSK 50%RB#13	0.108	0.073	-0.040	22.19	23.00	0.130	/
Back Side	23130/711	10M QPSK 50%RB#13	0.128	0.078	-0.010	22.19	23.00	0.154	/
Tested at the worst position with SIM2									
Back Side	23060/704	10M QPSK 1RB#49	0.150	0.090	0.000	23.31	24.00	0.176	/
Tested at the worst position with battery 2#									
Back Side	23060/704	10M QPSK 1RB#49	0.114	0.068	0.000	23.31	24.00	0.134	/
Tested at the worst position with battery 3#									
Back Side	23060/704	10M QPSK 1RB#49	0.139	0.085	0.060	23.31	24.00	0.163	/

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

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	23060/704	10M QPSK 1RB#49	0.236	0.136	0.010	22.76	23.50	0.280	/
Back Side	23060/704	10M QPSK 1RB#49	0.395	0.221	-0.020	22.76	23.50	0.468	/
Left Side	23060/704	10M QPSK 1RB#49	0.171	0.119	-0.080	22.76	23.50	0.203	/
Top Side	23060/704	10M QPSK 1RB#49	0.224	0.114	0.020	22.76	23.50	0.266	/
50%RB									
Front Side	23130/711	10M QPSK 50%RB#13	0.197	0.129	0.010	21.69	22.50	0.237	/
Back Side	23130/711	10M QPSK 50%RB#13	0.338	0.189	0.030	21.69	22.50	0.407	/
Left Side	23130/711	10M QPSK 50%RB#13	0.144	0.101	-0.070	21.69	22.50	0.174	/
Top Side	23130/711	10M QPSK 50%RB#13	0.191	0.097	0.170	21.69	22.50	0.230	/
Tested at the worst position with SIM2									
Back Side	23060/704	10M QPSK 1RB#49	0.308	0.170	0.020	22.76	23.50	0.365	/
Tested at the worst position with battery 2#									
Back Side	23060/704	10M QPSK 1RB#49	0.286	0.160	0.080	22.76	23.50	0.339	/
Tested at the worst position with battery 3#									
Back Side	23060/704	10M QPSK 1RB#49	0.318	0.176	-0.020	22.76	23.50	0.377	/

Table 188: Hotspot SAR test results of LTE Band XII

7.2.13 SAR measurement Result of LTE Band XVII(Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	23780/709	10M QPSK 1RB#25	0.552	0.344	-0.060	23.09	24.00	0.681	/
Left Hand Tilted 15°	23780/709	10M QPSK 1RB#25	0.494	0.302	-0.010	23.09	24.00	0.609	/
Right Hand Touched	23780/709	10M QPSK 1RB#25	1.090	0.560	-0.190	23.09	24.00	1.344	/
Right Hand Touched	23790/710	10M QPSK 1RB#25	1.080	0.554	-0.040	23.00	24.00	1.360	/
Right Hand Touched	23800/711	10M QPSK 1RB#25	1.080	0.559	-0.020	23.06	24.00	1.341	/
Right Hand Tilted 15°	23780/709	10M QPSK 1RB#25	1.010	0.485	0.000	23.09	24.00	1.245	/
Right Hand Tilted 15°	23790/710	10M QPSK 1RB#25	1.000	0.482	-0.050	23.00	24.00	1.259	/
Right Hand Tilted 15°	23800/711	10M QPSK 1RB#25	1.000	0.484	-0.020	23.06	24.00	1.242	/
50%RB									
Left Hand Touched	23780/709	10M QPSK 50%RB#13	0.485	0.263	0.050	21.88	23.00	0.628	/
Left Hand Tilted 15°	23780/709	10M QPSK 50%RB#13	0.391	0.239	0.010	21.88	23.00	0.506	/
Right Hand Touched	23780/709	10M QPSK 50%RB#13	0.850	0.514	-0.010	21.88	23.00	1.100	/
Right Hand Touched	23790/710	10M QPSK 50%RB#13	0.820	0.496	-0.030	21.87	23.00	1.064	/
Right Hand Touched	23800/711	10M QPSK 50%RB#13	0.895	0.454	0.010	21.85	23.00	1.166	/
Right Hand Tilted 15°	23780/709	10M QPSK 50%RB#13	0.683	0.423	0.010	21.88	23.00	0.884	/
Right Hand Tilted 15°	23790/710	10M QPSK 50%RB#13	0.665	0.411	0.010	21.87	23.00	0.863	/
Right Hand Tilted 15°	23800/711	10M QPSK 50%RB#13	0.780	0.375	-0.030	21.85	23.00	1.016	/
100%RB									
Right Hand Touched	23780/709	10M QPSK 100%RB#0	0.842	0.509	-0.060	21.72	23.00	1.131	/
Right Hand Tilted 15°	23780/709	10M QPSK 100%RB#0	0.714	0.427	0.010	21.72	23.00	0.959	/
Tested at the worst position with SIM2									
Right Hand Touched	23790/710	10M QPSK 1RB#25	1.040	0.537	0.000	23.00	24.00	1.309	/
Tested at the worst position with battery 2#									
Right Hand Touched	23790/710	10M QPSK 1RB#25	0.861	0.445	0.070	23.00	24.00	1.084	/

Tested at the worst position with battery 3#									
Right Hand Touched	23790/710	10M QPSK 1RB#25	1.120	0.570	-0.040	23.00	24.00	1.410	/
Right Hand Touched-Repeated	23790/710	10M QPSK 1RB#25	1.120	0.568	-0.010	23.00	24.00	1.410	/
Additional SAR test(Main modem simultaneous transmission with Second Modem)									
1RB									
Left Hand Touched	23780/709	10M QPSK 1RB#25	0.376	0.203	0.070	21.76	22.00	0.397	/
Right Hand Touched	23780/709	10M QPSK 1RB#25	0.670	0.344	0.070	21.76	22.00	0.708	/
Right Hand Tilted 15°	23780/709	10M QPSK 1RB#25	0.627	0.301	-0.010	21.76	22.00	0.663	/
50%RB									
Left Hand Touched	23780/709	10M QPSK50% 1RB#13	0.299	0.161	0.070	20.36	21.00	0.346	/
Right Hand Touched	23780/709	10M QPSK50% 1RB#13	0.480	0.307	0.000	20.36	21.00	0.556	/
Right Hand Tilted 15°	23780/709	10M QPSK50% 1RB#13	0.426	0.265	0.040	20.36	21.00	0.494	/

Table 189: Head SAR test results of LTE Band XVII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	23780/709	10M QPSK 1RB#25	0.124	0.076	0.010	23.09	24.00	0.153	/
Back Side	23780/709	10M QPSK 1RB#25	0.165	0.098	-0.040	23.09	24.00	0.203	/
50%RB									
Front Side	23780/709	10M QPSK 50%RB#13	0.092	0.062	0.000	21.88	23.00	0.119	/
Back Side	23780/709	10M QPSK 50%RB#13	0.130	0.085	0.040	21.88	23.00	0.168	/
Tested at the worst position with SIM2									
Back Side	23780/709	10M QPSK 1RB#25	0.150	0.099	-0.060	23.09	24.00	0.185	/
Tested at the worst position with battery 2#									
Back Side	23780/709	10M QPSK 1RB#25	0.150	0.090	0.020	23.09	24.00	0.185	/
Tested at the worst position with battery 3#									
Back Side	23780/709	10M QPSK 1RB#25	0.179	0.105	-0.020	23.09	24.00	0.221	/

Table 190: Body-Worn SAR test results of LTE Band XVII

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	23780/709	10M QPSK 1RB#25	0.298	0.171	-0.040	22.21	23.00	0.357	/
Back Side	23780/709	10M QPSK 1RB#25	0.369	0.208	-0.020	22.21	23.00	0.443	
Left Side	23780/709	10M QPSK 1RB#25	0.194	0.133	0.030	22.21	23.00	0.233	/
Top Side	23780/709	10M QPSK 1RB#25	0.230	0.127	0.030	22.21	23.00	0.276	/
50%RB									
Front Side	23780/709	10M QPSK 50%RB#13	0.241	0.151	0.090	21.99	22.00	0.242	/
Back Side	23780/709	10M QPSK 50%RB#13	0.280	0.187	0.010	21.99	22.00	0.281	/
Left Side	23780/709	10M QPSK 50%RB#13	0.159	0.109	0.040	21.99	22.00	0.159	/
Top Side	23780/709	10M QPSK 50%RB#13	0.189	0.104	0.030	21.99	22.00	0.189	/
Tested at the worst position with SIM2									
Back Side	23780/709	10M QPSK 1RB#25	0.387	0.215	-0.010	22.21	23.00	0.464	/
Tested at the worst position with battery 2#									
Back Side	23780/709	10M QPSK 1RB#25	0.327	0.198	0.030	22.21	23.00	0.392	/
Tested at the worst position with battery 3#									
Back Side	23780/709	10M QPSK 1RB#25	0.375	0.212	-0.110	22.21	23.00	0.450	/

Table 191: Hotspot SAR test results of LTE Band XVII

7.2.14 SAR measurement Result of LTE Band XXVI(Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	26865/831.5	15M QPSK 1RB#38	0.508	0.268	0.070	22.67	23.50	0.615	/
Left Hand Tilted 15°	26865/831.5	15M QPSK 1RB#38	0.437	0.222	-0.030	22.67	23.50	0.529	/
Right Hand Touched	26865/831.5	15M QPSK 1RB#38	0.857	0.444	0.050	22.67	23.50	1.037	/
Right Hand Touched	26775/822.5	15M QPSK 1RB#38	0.793	0.494	-0.030	22.61	23.50	0.973	/
Right Hand Touched	26965/841.5	15M QPSK 1RB#38	1.020	0.533	-0.070	22.66	23.50	1.238	/
Right Hand Touched-Repeated	26965/841.5	15M QPSK 1RB#38	0.973	0.506	0.110	22.66	23.50	1.181	/
Right Hand Tilted 15°	26865/831.5	15M QPSK 1RB#38	0.708	0.333	0.130	22.67	23.50	0.857	/
Right Hand Tilted 15°	26775/822.5	15M QPSK 1RB#38	0.671	0.316	0.030	22.61	23.50	0.824	/
Right Hand Tilted 15°	26965/841.5	15M QPSK 1RB#38	0.861	0.405	0.110	22.66	23.50	1.045	/
50%RB									
Left Hand Touched	26775/822.5	15M QPSK 50%RB#18	0.349	0.225	0.050	21.66	22.50	0.423	/
Left Hand Tilted 15°	26775/822.5	15M QPSK 50%RB#18	0.307	0.192	0.100	21.66	22.50	0.373	/
Right Hand Touched	26775/822.5	15M QPSK 50%RB#18	0.612	0.381	-0.030	21.66	22.50	0.743	/
Right Hand Tilted 15°	26775/822.5	15M QPSK 50%RB#18	0.504	0.295	0.090	21.66	22.50	0.612	/
100%RB									
Right Hand Touched	26775/822.5	15M QPSK 100%RB#0	0.525	0.338	0.030	21.55	22.50	0.653	/
Right Hand Tilted 15°	26775/822.5	15M QPSK 100%RB#0	0.438	0.273	-0.070	21.55	22.50	0.545	/
Tested at the worst position with SIM2									
Right Hand Touched	26965/841.5	15M QPSK 1RB#38	0.991	0.515	-0.060	22.66	23.50	1.202	/
Tested at the worst position with battery 2#									
Right Hand Touched	26965/841.5	15M QPSK 1RB#38	0.985	0.512	0.040	22.66	23.50	1.195	/
Tested at the worst position with battery 3#									
Right Hand Touched	26965/841.5	15M QPSK 1RB#38	0.971	0.506	-0.120	22.66	23.50	1.178	/

Additional SAR test(Main modem simultaneous transmission with WIFI antenna)									
1RB									
Right Hand Touched	26965/841.5	15M QPSK 1RB#38	0.611	0.317	0.000	17.92	18.50	0.698	/
50%RB									
Right Hand Touched	26775/822.5	15M QPSK 50%RB#18	0.369	0.190	0.010	17.09	17.50	0.406	/
Additional SAR test(WiFi function work, Main Modem simultaneous transmission with Second Modem)									
1RB									
Left Hand Touched	26775/822.5	15M QPSK 1RB#38	0.230	0.124	0.070	17.94	18.00	0.233	/
50%RB									
Left Hand Touched	26775/822.5	15M QPSK 50%RB#18	0.212	0.114	0.040	15.02	16.50	0.298	/

Table 192: Head SAR test results of LTE Band XXVI

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	26865/831.5	15M QPSK 1RB#38	0.092	0.068	-0.030	22.67	23.50	0.112	/
Back Side	26865/831.5	15M QPSK 1RB#38	0.116	0.085	0.010	22.67	23.50	0.140	/
50%RB									
Front Side	26775/822.5	15M QPSK 50%RB#18	0.068	0.047	-0.060	21.66	22.50	0.082	/
Back Side	26775/822.5	15M QPSK 50%RB#18	0.085	0.059	-0.010	21.66	22.50	0.103	/
Tested at the worst position with SIM2									
Back Side	26865/831.5	15M QPSK 1RB#38	0.121	0.088	0.100	22.67	23.50	0.146	/
Tested at the worst position with battery 2#									
Back Side	26865/831.5	15M QPSK 1RB#38	0.083	0.061	-0.140	22.67	23.50	0.101	/
Tested at the worst position with battery 3#									
Back Side	26865/831.5	15M QPSK 1RB#38	0.125	0.092	0.030	22.67	23.50	0.151	/

Table 193: Body-Worn SAR test results of LTE Band XXVI

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	26865/831.5	15M QPSK 1RB#38	0.204	0.115	-0.010	20.33	21.00	0.238	/
Back Side	26865/831.5	15M QPSK 1RB#38	0.244	0.134	-0.010	20.33	21.00	0.285	/
Left Side	26865/831.5	15M QPSK 1RB#38	0.203	0.138	-0.010	20.33	21.00	0.237	/
Top Side	26865/831.5	15M QPSK 1RB#38	0.167	0.082	0.040	20.33	21.00	0.195	/
50%RB									
Front Side	26775/822.5	15M QPSK 50%RB#18	0.135	0.087	0.020	19.17	20.00	0.163	/
Back Side	26775/822.5	15M QPSK 50%RB#18	0.153	0.094	0.000	19.17	20.00	0.185	/
Left Side	26775/822.5	15M QPSK 50%RB#18	0.146	0.098	-0.040	19.17	20.00	0.177	/
Top Side	26775/822.5	15M QPSK 50%RB#18	0.118	0.058	0.130	19.17	20.00	0.143	/
Tested at the worst position with SIM2									
Back Side	26865/831.5	15M QPSK 1RB#38	0.225	0.126	-0.050	20.33	21.00	0.263	/
Tested at the worst position with battery 2#									
Back Side	26865/831.5	15M QPSK 1RB#38	0.152	0.085	-0.150	20.33	21.00	0.177	/
Tested at the worst position with battery 3#									
Back Side	26865/831.5	15M QPSK 1RB#38	0.253	0.140	0.000	20.33	21.00	0.295	/

Table 194: Hotspot SAR test results of LTE Band XXVI

7.2.15 SAR measurement Result of LTE Band XXXVIII(Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	38000/2595	20M QPSK 1RB#50	0.272	0.138	0.140	23.25	24.20	0.339	/
Left Hand Tilted 15°	38000/2595	20M QPSK 1RB#50	0.242	0.112	0.150	23.25	24.20	0.301	/
Right Hand Touched	38000/2595	20M QPSK 1RB#50	0.937	0.462	0.120	23.25	24.20	1.166	/
Right Hand Touched	37850/2580	20M QPSK 1RB#50	0.874	0.383	0.000	23.08	24.20	1.131	/
Right Hand Touched	38150/2610	20M QPSK 1RB#50	0.887	0.385	0.170	23.16	24.20	1.127	/
Right Hand Tilted 15°	38000/2595	20M QPSK 1RB#50	0.863	0.392	0.150	23.25	24.20	1.074	/
Right Hand Tilted 15°	37850/2580	20M QPSK 1RB#50	0.798	0.364	0.110	23.08	24.20	1.033	/
Right Hand Tilted 15°	38150/2610	20M QPSK 1RB#50	0.819	0.371	0.010	23.16	24.20	1.041	/
50%RB									
Left Hand Touched	38150/2610	20M QPSK 50%RB#50	0.244	0.130	0.170	22.64	23.20	0.278	/
Left Hand Tilted 15°	38150/2610	20M QPSK 50%RB#50	0.222	0.112	0.180	22.64	23.20	0.253	/
Right Hand Touched	38150/2610	20M QPSK 50%RB#50	0.843	0.366	-0.100	22.64	23.20	0.959	/
Right Hand Touched	37850/2580	20M QPSK 50%RB#50	0.772	0.376	-0.060	22.40	23.20	0.928	/
Right Hand Touched	38000/2595	20M QPSK 50%RB#0	0.902	0.395	0.110	22.57	23.20	1.043	/
Right Hand Tilted 15°	38150/2610	20M QPSK 50%RB#50	0.725	0.328	-0.110	22.64	23.20	0.825	/
Right Hand Tilted 15°	37850/2580	20M QPSK 50%RB#50	0.701	0.318	-0.050	22.40	23.20	0.843	/
Right Hand Tilted 15°	38000/2595	20M QPSK 50%RB#0	0.691	0.312	0.010	22.57	23.20	0.799	/
100%RB									
Right Hand Touched	38000/2595	20M QPSK 100%RB#0	0.715	0.324	-0.110	22.58	23.20	0.825	/
Right Hand Tilted 15°	38000/2595	20M QPSK 100%RB#0	0.692	0.359	0.030	22.58	23.20	0.798	/
Tested at the worst position with SIM2									
Right Hand Touched	38000/2595	20M QPSK 1RB#50	0.921	0.469	0.160	23.25	24.20	1.146	/
Tested at the worst position with battery 2#									
Right Hand Touched	38000/2595	20M QPSK 1RB#50	0.950	0.464	0.130	23.25	24.20	1.182	/

Tested at the worst position with battery 3#									
Right Hand Touched	38000/2595	20M QPSK 1RB#50	0.976	0.487	0.190	23.25	24.20	1.215	/
Right Hand Touched-Repeated	38000/2595	20M QPSK 1RB#50	1.000	0.495	0.060	23.25	24.20	1.245	/
Additional SAR test(simultaneous transmission with WIFI)									
1RB									
Right Hand Touched	37850/2580	20M QPSK 1RB#50	0.894	0.447	0.110	17.93	18.20	0.951	/
Right Hand Touched	38000/2595	20M QPSK 1RB#50	0.968	0.485	-0.070	17.83	18.20	1.054	/
Right Hand Touched	38150/2610	20M QPSK 1RB#50	0.896	0.449	0.040	17.77	18.20	0.989	/
50%RB									
Right Hand Touched	37850/2580	20M QPSK 50%RB#25	0.743	0.371	0.170	17.16	17.20	0.750	/
100%RB									
Right Hand Touched	38150/2610	20M QPSK 100%RB#0	0.748	0.374	0.100	17.14	17.20	0.758	/
Additional SAR test(WiFi function work, Main Modem simultaneous transmission with Second Modem)									
1RB									
Right Hand Touched	37850/2580	20M QPSK 1RB#50	0.776	0.383	-0.060	17.57	18.00	0.857	/
Right Hand Touched	38000/2595	20M QPSK 1RB#50	0.850	0.419	0.100	17.48	18.00	0.958	/
Right Hand Touched	38150/2610	20M QPSK 1RB#50	0.758	0.371	0.090	17.48	18.00	0.854	/
50%RB									
Right Hand Touched	37850/2580	20M QPSK 50%RB#25	0.581	0.307	0.180	16.97	17.00	0.585	/
100%RB									
Right Hand Touched	38150/2610	20M QPSK 100%RB#0	0.566	0.300	-0.090	16.85	17.00	0.586	/

Table 195: Head SAR test results of LTE Band XXXVIII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	38000/2595	20M QPSK 1RB#50	0.110	0.060	0.000	23.25	24.20	0.137	/
Back Side	38000/2595	20M QPSK 1RB#50	0.121	0.064	-0.090	23.25	24.20	0.151	/
50%RB									
Front Side	38150/2610	20M QPSK 50%RB#50	0.090	0.049	0.110	22.64	23.20	0.102	/
Back Side	38150/2610	20M QPSK 50%RB#50	0.110	0.058	-0.120	22.64	23.20	0.125	/
Tested at the worst position with SIM2									
Back Side	38000/2595	20M QPSK 1RB#50	0.098	0.053	0.080	23.25	24.20	0.121	/
Tested at the worst position with battery 2#									
Back Side	38000/2595	20M QPSK 1RB#50	0.104	0.057	0.160	23.25	24.20	0.129	/
Tested at the worst position with battery 3#									
Back Side	38000/2595	20M QPSK 1RB#50	0.112	0.060	0.150	23.25	24.20	0.139	/

Table 196: Body-Worn SAR test results of LTE Band XXXVIII

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	38000/2595	20M QPSK 1RB#50	0.223	0.118	0.030	18.51	19.00	0.250	/
Back Side	38000/2595	20M QPSK 1RB#50	0.227	0.117	0.110	18.51	19.00	0.254	/
Left Side	38000/2595	20M QPSK 1RB#50	0.273	0.137	-0.090	18.51	19.00	0.306	/
Top Side	38000/2595	20M QPSK 1RB#50	0.119	0.049	-0.020	18.51	19.00	0.133	/
50%RB									
Front Side	38150/2610	20M QPSK 50%RB#50	0.171	0.093	0.140	17.95	18.00	0.173	/
Back Side	38150/2610	20M QPSK 50%RB#50	0.184	0.099	0.160	17.95	18.00	0.186	/
Left Side	38150/2610	20M QPSK 50%RB#50	0.212	0.107	-0.170	17.95	18.00	0.214	/
Top Side	38150/2610	20M QPSK 50%RB#50	0.106	0.043	-0.130	17.95	18.00	0.107	/
Tested at the worst position with SIM2									
Back Side	38000/2595	20M QPSK 1RB#50	0.224	0.112	-0.120	18.51	19.00	0.251	/
Tested at the worst position with battery 2#									
Back Side	38000/2595	20M QPSK 1RB#0	0.273	0.139	0.070	18.51	19.00	0.306	/
Tested at the worst position with battery 3#									
Back Side	38000/2595	20M QPSK 1RB#0	0.268	0.140	-0.040	18.51	19.00	0.300	/

Table 197: Hotspot SAR test results of LTE Band XXXVIII

7.2.16 SAR measurement Result of LTE Band XLI(Second Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	40340/2565	20M QPSK 1RB#50	0.251	0.131	-0.120	22.97	24.00	0.318	/
Left Hand Tilted 15°	40340/2565	20M QPSK 1RB#50	0.212	0.112	0.080	22.97	24.00	0.269	/
Right Hand Touched	40340/2565	20M QPSK 1RB#50	0.877	0.434	0.150	22.97	24.00	1.112	/
Right Hand Touched	40740/2605	20M QPSK 1RB#50	0.745	0.387	0.050	22.72	24.00	1.000	/
Right Hand Touched	41140/2645	20M QPSK 1RB#50	0.841	0.410	0.040	22.82	24.00	1.104	/
Right Hand Tilted 15°	40340/2565	20M QPSK 1RB#50	0.818	0.360	0.110	22.97	24.00	1.037	/
Right Hand Tilted 15°	40740/2605	20M QPSK 1RB#50	0.791	0.348	-0.120	22.72	24.00	1.062	/
Right Hand Tilted 15°	41140/2645	20M QPSK 1RB#50	0.835	0.366	0.150	22.82	24.00	1.096	/
50%RB									
Left Hand Touched	40340/2565	20M QPSK 50%RB#25	0.214	0.112	-0.040	22.45	23.00	0.243	/
Left Hand Tilted 15°	40340/2565	20M QPSK 50%RB#25	0.181	0.095	0.020	22.45	23.00	0.205	/
Right Hand Touched	40340/2565	20M QPSK 50%RB#25	0.740	0.367	0.160	22.45	23.00	0.840	/
Right Hand Touched	40740/2605	20M QPSK 50%RB#25	0.750	0.371	0.140	22.16	23.00	0.910	
Right Hand Touched	41140/2645	20M QPSK 50%RB#25	0.751	0.365	0.170	22.42	23.00	0.858	/
Right Hand Tilted 15°	40340/2565	20M QPSK 50%RB#25	0.708	0.310	0.120	22.45	23.00	0.804	/
Right Hand Tilted 15°	40740/2605	20M QPSK 50%RB#25	0.719	0.314	0.070	22.16	23.00	0.872	/
Right Hand Tilted 15°	41140/2645	20M QPSK 50%RB#25	0.750	0.327	0.070	22.42	23.00	0.857	/
100%RB									
Right Hand Touched	40340/2565	20M QPSK 100%RB#0	0.761	0.363	0.000	22.33	23.00	0.888	/
Right Hand Tilted 15°	40340/2565	20M QPSK 100%RB#0	0.675	0.290	0.030	22.33	23.00	0.788	/
Tested at the worst position with SIM2									
Right Hand Touched	40340/2565	20M QPSK 1RB#50	0.895	0.423	-0.140	22.97	24.00	1.135	/
Tested at the worst position with battery 2#									
Right Hand Touched	40340/2565	20M QPSK 1RB#50	0.866	0.415	-0.120	22.97	24.00	1.098	/

Tested at the worst position with battery 3#									
Right Hand Touched	40340/2565	20M QPSK 1RB#50	1.010	0.491	0.110	22.97	24.00	1.280	/
Right Hand Touched-Repeated	40340/2565	20M QPSK 1RB#50	0.978	0.479	-0.180	22.97	24.00	1.240	/
Additional SAR test(simultaneous transmission with WIFI)									
1RB									
Right Hand Touched	41140/2645	20M QPSK 1RB#50	0.558	0.277	0.080	16.21	17.00	0.669	/
50%RB									
Right Hand Touched	41140/2645	20M QPSK 50%RB#0	0.474	0.247	0.100	15.73	16.00	0.504	/

Table 198: Head SAR test results of LTE Band XLI

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	40340/2565	20M QPSK 1RB#50	0.088	0.048	-0.010	22.97	24.00	0.111	/
Back Side	40340/2566	20M QPSK 1RB#50	0.099	0.054	0.140	22.97	24.00	0.126	/
50%RB									
Front Side	40340/2565	20M QPSK 50%RB#25	0.074	0.041	-0.100	22.45	23.00	0.084	/
Back Side	40340/2565	20M QPSK 50%RB#25	0.078	0.043	0.140	22.45	23.00	0.089	/
Tested at the worst position with SIM2									
Back Side	40340/2566	20M QPSK 1RB#50	0.079	0.043	0.060	22.97	24.00	0.100	/
Tested at the worst position with battery 2#									
Back Side	40340/2566	20M QPSK 1RB#50	0.074	0.041	-0.040	22.97	24.00	0.094	/
Tested at the worst position with battery 3#									
Back Side	40340/2566	20M QPSK 1RB#50	0.081	0.045	-0.090	22.97	24.00	0.103	/

Table 199: Body-Worn SAR test results of LTE Band XLI

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	41140/2645	20M QPSK 1RB#50	0.172	0.091	0.120	18.99	19.50	0.193	/
Back Side	41140/2645	20M QPSK 1RB#50	0.191	0.098	-0.010	18.99	19.50	0.215	/
Left Side	41140/2645	20M QPSK 1RB#50	0.215	0.109	-0.040	18.99	19.50	0.242	/
Top Side	41140/2645	20M QPSK 1RB#50	0.090	0.042	-0.030	18.99	19.50	0.102	/
50%RB									
Front Side	41140/2645	20M QPSK 50%RB#25	0.144	0.770	0.140	18.34	18.50	0.149	/
Back Side	41140/2645	20M QPSK 50%RB#25	0.177	0.093	0.020	18.34	18.50	0.184	/
Left Side	41140/2645	20M QPSK 50%RB#25	0.184	0.094	0.060	18.34	18.50	0.191	/
Top Side	41140/2645	20M QPSK 50%RB#25	0.075	0.035	0.080	18.34	18.50	0.078	/
Tested at the worst position with battery 2#									
Left Side	41140/2645	20M QPSK 1RB#50	0.171	0.089	-0.170	18.99	19.50	0.192	/
Tested at the worst position with SIM2									
Left Side	41140/2645	20M QPSK 1RB#50	0.232	0.118	-0.040	18.99	19.50	0.261	/
Tested at the worst position with battery 3#									
Left Side	41140/2645	20M QPSK 1RB#50	0.210	0.109	-0.190	18.99	19.50	0.236	/

Table 200: Hotspot SAR test results of LTE Band XLI

7.2.17 SAR measurement Result of GSM850(Main Antenna and Modem1)

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Left Hand Touched	190/836.6	GSM	0.221	0.168	0.110	33.08	33.50	0.243	/
Left Hand Tilted 15°	190/836.6	GSM	0.168	0.110	0.060	33.08	33.50	0.185	/
Right Hand Touched	190/836.6	GSM	0.288	0.219	0.080	33.08	33.50	0.317	/
Right Hand Tilted 15°	190/836.6	GSM	0.116	0.079	0.040	33.08	33.50	0.128	/
Left Hand Touched	190/836.6	GPRS 2TS	0.197	0.146	0.160	30.97	31.50	0.223	/
Left Hand Tilted 15°	190/836.6	GPRS 2TS	0.149	0.098	0.020	30.97	31.50	0.168	/
Right Hand Touched	190/836.6	GPRS 2TS	0.258	0.195	0.070	30.97	31.50	0.291	/
Right Hand Tilted 15°	190/836.6	GPRS 2TS	0.134	0.086	0.030	30.97	31.50	0.151	/
Right Hand Touched	128/824.2	GSM	0.270	0.204	0.140	33.07	33.50	0.298	/
Right Hand Touched	251/848.8	GSM	0.321	0.242	0.030	33.09	33.50	0.353	/
Tested at the worst position with SIM2									
Right Hand Touched	251/848.8	GSM	0.326	0.246	-0.150	33.09	33.50	0.358	/
Tested at the worst position with battery 2#									
Right Hand Touched	251/848.8	GSM	0.307	0.231	-0.030	33.09	33.50	0.337	/
Tested at the worst position with battery 3#									
Right Hand Touched	251/848.8	GSM	0.338	0.256	-0.060	33.09	33.50	0.371	/

Table 201: Head SAR test results of GSM850

Test Position of Body-Worn with 15mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	190/836.6	GSM	0.188	0.133	0.000	33.08	33.50	0.207	/
Back Side	190/836.6	GSM	0.218	0.167	0.020	33.08	33.50	0.240	/
Front Side	190/836.6	GPRS 2TS	0.183	0.130	0.140	30.97	31.50	0.207	/
Back Side	190/836.6	GPRS 2TS	0.213	0.163	0.010	30.97	31.50	0.241	/
Tested at the worst position with SIM2									
Back Side	190/836.6	GPRS 2TS	0.197	0.140	0.020	30.97	31.50	0.223	/
Tested at the worst position with battery 2#									
Back Side	190/836.6	GPRS 2TS	0.211	0.159	0.030	30.97	31.50	0.238	/
Tested at the worst position with battery 3#									
Back Side	190/836.6	GPRS 2TS	0.201	0.142	0.010	30.97	31.50	0.227	/

Table 202: Body-Worn SAR test results of GSM850

Test Position of Hotspot with 10mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	190/836.6	GPRS 2TS	0.257	0.194	0.000	30.97	31.50	0.290	/
Back Side	190/836.6	GPRS 2TS	0.382	0.219	0.050	30.97	31.50	0.432	/
Left Side	190/836.6	GPRS 2TS	0.095	0.064	0.010	30.97	31.50	0.107	/
Right Side	190/836.6	GPRS 2TS	0.382	0.260	-0.110	30.97	31.50	0.432	/
Bottom Side	190/836.6	GPRS 2TS	0.166	0.086	-0.060	30.97	31.50	0.188	/
Tested at the worst position with SIM2									
Right Side	190/836.6	GPRS 2TS	0.361	0.246	-0.170	30.97	31.50	0.408	/
Tested at the worst position with battery 2#									
Right Side	190/836.6	GPRS 2TS	0.394	0.267	-0.100	30.97	31.50	0.445	/
Tested at the worst position with battery 3#									
Right Side	190/836.6	GPRS 2TS	0.360	0.244	-0.090	30.97	31.50	0.407	/

Table 203: Hotspot SAR test results of GSM850

7.2.18 SAR measurement Result of GSM850(Main Antenna and Modem2)

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Left Hand Touched	190/836.6	GSM	0.187	0.128	0.030	32.65	33.50	0.227	/
Left Hand Tilted 15°	190/836.6	GSM	0.116	0.079	0.090	32.65	33.50	0.141	/
Right Hand Touched	190/836.6	GSM	0.241	0.182	0.080	32.65	33.50	0.293	/
Right Hand Tilted 15°	190/836.6	GSM	0.097	0.068	0.040	32.65	33.50	0.118	/
Left Hand Touched	190/836.6	GPRS 2TS	0.092	0.064	0.010	27.65	29.00	0.126	/
Left Hand Tilted 15°	190/836.6	GPRS 2TS	0.064	0.043	0.090	27.65	29.00	0.087	/
Right Hand Touched	190/836.6	GPRS 2TS	0.119	0.082	0.020	27.65	29.00	0.162	/
Right Hand Tilted 15°	190/836.6	GPRS 2TS	0.057	0.039	0.030	27.65	29.00	0.077	/
Right Hand Touched	128/824.2	GSM	0.215	0.148	0.070	32.48	33.50	0.272	/
Right Hand Touched	251/848.8	GSM	0.272	0.205	0.020	32.70	33.50	0.327	/
Tested at the worst position with battery 2#									
Right Hand Touched	251/848.8	GSM	0.261	0.197	0.080	32.70	33.50	0.314	/
Tested at the worst position with battery 3#									
Right Hand Touched	251/848.8	GSM	0.258	0.195	0.160	32.70	33.50	0.310	/
Additional SAR test(Main antenna simultaneous transmission with Second Modem)									
Left Hand Touched	190/836.6	GSM	0.127	0.096	0.020	30.35	31.00	0.148	/
Right Hand Touched	190/836.6	GSM	0.157	0.120	0.040	30.35	31.00	0.182	/

Table 204: Head SAR test results of GSM850

Test Position of Body-Worn with 15mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune- up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	190/836.6	GSM	0.243	0.172	0.020	32.65	33.50	0.296	/
Back Side	190/836.6	GSM	0.283	0.217	-0.050	32.65	33.50	0.344	/
Front Side	190/836.6	GPRS 2TS	0.120	0.085	0.000	27.65	29.00	0.164	/
Back Side	190/836.6	GPRS 2TS	0.138	0.098	0.190	27.65	29.00	0.188	/
Tested at the worst position with battery 2#									
Back Side	190/836.6	GSM	0.259	0.198	-0.030	32.65	33.50	0.315	/
Tested at the worst position with battery 3#									
Back Side	190/836.6	GSM	0.270	0.207	0.000	32.65	33.50	0.328	/

Table 205: Body-Worn SAR test results of GSM850

Test Position of Hotspot with 10mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	190/836.6	GPRS 2TS	0.222	0.158	0.213	27.65	29.00	0.303	/
Back Side	190/836.6	GPRS 2TS	0.283	0.198	0.020	27.65	29.00	0.386	/
Left Side	190/836.6	GPRS 2TS	0.341	0.233	-0.130	27.65	29.00	0.465	/
Right Side	190/836.6	GPRS 2TS	0.161	0.108	-0.010	27.65	29.00	0.220	/
Bottom Side	190/836.6	GPRS 2TS	0.092	0.052	0.100	27.65	29.00	0.125	/
Tested at the worst position with battery 2#									
Left Side	190/836.6	GPRS 2TS	0.359	0.245	-0.070	27.65	29.00	0.490	/
Tested at the worst position with battery 3#									
Left Side	190/836.6	GPRS 2TS	0.353	0.240	0.010	27.65	29.00	0.482	/

Table 206: Hotspot SAR test results of GSM850

7.2.19 SAR measurement Result of GSM1900(Main Antenna and Modem1)

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Right Hand Touched	661/1880	GSM	0.342	0.213	0.190	30.44	30.50	0.347	State 1
Right Hand Touched	661/1880	GSM	0.389	0.240	0.100	30.44	30.50	0.394	State 2
Left Hand Touched	661/1880	GSM	0.199	0.119	0.020	30.44	30.50	0.202	State 2
Left Hand Tilted 15°	661/1880	GSM	0.142	0.083	0.060	30.44	30.50	0.144	State 2
Right Hand Touched	661/1880	GSM	0.389	0.240	0.100	30.44	30.50	0.394	State 2
Right Hand Tilted 15°	661/1880	GSM	0.115	0.067	-0.050	30.44	30.50	0.117	State 2
Right Hand Touched	512/1850.2	GSM	0.408	0.251	0.160	30.28	30.50	0.429	State 2
Right Hand Touched	810/1909.8	GSM	0.349	0.210	0.080	30.49	30.50	0.350	State 2
Left Hand Touched	661/1880	GPRS 2TS	0.232	0.138	-0.130	28.35	28.50	0.240	State 2
Left Hand Tilted 15°	661/1880	GPRS 2TS	0.163	0.094	-0.040	28.35	28.50	0.169	State 2
Right Hand Touched	661/1880	GPRS 2TS	0.453	0.276	-0.020	28.35	28.50	0.469	State 2
Right Hand Tilted 15°	661/1880	GPRS 2TS	0.130	0.076	-0.060	28.35	28.50	0.135	State 2
Right Hand Touched	512/1850.2	GPRS 2TS	0.441	0.272	-0.080	28.25	28.50	0.467	State 2
Right Hand Touched	810/1909.8	GPRS 2TS	0.344	0.197	-0.030	28.36	28.50	0.355	State 2
Tested at the worst position with SIM2									
Right Hand Touched	661/1880	GPRS 2TS	0.437	0.265	-0.080	28.35	28.50	0.452	State 2
Tested at the worst position with battery 2#									
Right Hand Touched	661/1880	GPRS 2TS	0.369	0.224	0.060	28.35	28.50	0.382	State 2
Tested at the worst position with battery 3#									
Right Hand Touched	661/1880	GPRS 2TS	0.484	0.291	0.120	28.35	28.50	0.501	State 2
Right Hand Touched	661/1880	GPRS 2TS	0.438	0.270	0.170	28.35	28.50	0.453	State 1
Additional SAR test(WiFi on function work, Second Antenna Synchronous transmission with Second Modem)									
Right Hand Touched	661/1880	GSM	0.242	0.142	0.040	28.57	29.00	0.267	State 2
Right Hand Touched	661/1880	GPRS 2TS	0.294	0.183	0.120	26.54	27.00	0.327	State 2

Table 207: Head SAR test results of GSM1900

Test Position of Body-Worn with 15mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune- up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Back Side	661/1880	GPRS 2TS	0.317	0.173	0.070	28.35	28.50	0.328	State 1
Back Side	661/1880	GPRS 2TS	0.345	0.183	0.140	28.35	28.50	0.357	State 2
Front Side	661/1880	GSM	0.209	0.115	-0.190	30.44	30.50	0.212	State 2
Back Side	661/1880	GSM	0.296	0.157	0.080	30.44	30.50	0.300	State 2
Front Side	661/1880	GPRS 2TS	0.222	0.124	0.090	28.35	28.50	0.230	State 2
Back Side	661/1880	GPRS 2TS	0.345	0.183	0.140	28.35	28.50	0.357	State 2
Tested at the worst position with SIM2									
Back Side	661/1880	GPRS 2TS	0.331	0.180	0.100	28.35	28.50	0.343	State 2
Tested at the worst position with battery 2#									
Back Side	661/1880	GPRS 2TS	0.338	0.180	0.170	28.35	28.50	0.350	State 2
Tested at the worst position with battery 3#									
Back Side	661/1880	GPRS 2TS	0.359	0.190	0.090	28.35	28.50	0.372	State 2
Back Side	661/1880	GPRS 2TS	0.345	0.189	0.040	28.35	28.50	0.357	State 1

Table 208: Body-Worn SAR test results of GSM1900

Test Position of Hotspot with 10mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Back Side	661/1880	GPRS 2TS	0.700	0.350	0.050	28.35	28.50	0.725	State 1
Back Side	661/1880	GPRS 2TS	0.795	0.390	0.160	28.35	28.50	0.823	State 2
Front Side	661/1880	GPRS 2TS	0.528	0.278	-0.090	28.35	28.50	0.547	State 2
Back Side	661/1880	GPRS 2TS	0.795	0.390	0.160	28.35	28.50	0.823	State 2
Back Side	512/1850.2	GPRS 2TS	0.629	0.315	0.110	28.25	28.50	0.666	State 2
Back Side	810/1909.8	GPRS 2TS	0.871	0.420	-0.100	28.36	28.50	0.900	State 2
Left Side	661/1880	GPRS 2TS	0.015	0.006	0.150	28.35	28.50	0.016	State 2
Right Side	661/1880	GPRS 2TS	0.398	0.239	-0.160	28.35	28.50	0.412	State 2
Bottom Side	661/1880	GPRS 2TS	0.665	0.342	0.020	28.35	28.50	0.688	State 2
Tested at the worst position with SIM2									
Back Side	810/1909.8	GPRS 2TS	0.913	0.446	0.060	28.36	28.50	0.943	State 2
Tested at the worst position with battery 2#									
Back Side	810/1909.8	GPRS 2TS	0.848	0.413	-0.070	28.36	28.50	0.876	State 2
Tested at the worst position with battery 3#									
Back Side	810/1909.8	GPRS 2TS	0.950	0.458	0.070	28.36	28.50	0.981	State 2
Back Side-Repeated	810/1909.8	GPRS 2TS	0.896	0.436	0.150	28.36	28.50	0.925	State 2
Back Side	810/1909.8	GPRS 2TS	0.821	0.402	0.160	28.35	28.50	0.850	State 1
Additional SAR test(WiFi Hotspot function work, Main Modem Synchronous transmission with Second Modem)									
Back Side	661/1880	GPRS 2TS	0.472	0.237	0.140	26.54	27.00	0.525	State 2

Table 209: Hotspot SAR test results of GSM1900

7.2.20 SAR measurement Result of GSM850(Main Antenna and Modem2)

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Left Hand Touched	661/1880	GSM	0.069	0.044	0.090	29.68	30.50	0.083	/
Left Hand Tilted 15°	661/1880	GSM	0.042	0.025	0.050	29.68	30.50	0.051	/
Right Hand Touched	661/1880	GSM	0.074	0.047	0.110	29.68	30.50	0.089	/
Right Hand Tilted 15°	661/1880	GSM	0.038	0.023	0.130	29.68	30.50	0.045	/
Left Hand Touched	661/1880	GPRS 2TS	0.100	0.064	0.140	27.78	28.50	0.118	/
Left Hand Tilted 15°	661/1880	GPRS 2TS	0.060	0.036	0.180	27.78	28.50	0.071	/
Right Hand Touched	661/1880	GPRS 2TS	0.095	0.060	0.110	27.78	28.50	0.112	/
Right Hand Tilted 15°	661/1880	GPRS 2TS	0.049	0.029	0.150	27.78	28.50	0.057	/
Left Hand Touched	512/1850.2	GPRS 2TS	0.101	0.065	0.180	27.84	28.50	0.118	/
Left Hand Touched	810/1909.8	GPRS 2TS	0.112	0.070	0.090	27.94	28.50	0.127	/
Tested at the worst position with battery 2#									
Left Hand Touched	810/1909.8	GPRS 2TS	0.120	0.075	-0.090	27.94	28.50	0.137	/
Tested at the worst position with battery 3#									
Left Hand Touched	810/1909.8	GPRS 2TS	0.104	0.066	0.150	27.94	28.50	0.118	/

Table 210: Head SAR test results of GSM1900

Test Position of Body-Worn with 15mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	661/1880	GSM	0.054	0.032	-0.040	29.68	30.50	0.066	/
Back Side	661/1880	GSM	0.078	0.039	0.130	29.68	30.50	0.094	/
Front Side	661/1880	GPRS 2TS	0.061	0.035	0.060	27.78	28.50	0.072	/
Back Side	661/1880	GPRS 2TS	0.084	0.042	0.050	27.78	28.50	0.099	/
Tested at the worst position with battery 2#									
Back Side	661/1880	GPRS 2TS	0.091	0.047	0.140	27.78	28.50	0.107	/
Tested at the worst position with battery 3#									
Back Side	661/1880	GPRS 2TS	0.090	0.046	0.030	27.78	28.50	0.107	/

Table 211: Body-Worn SAR test results of GSM1900

Test Position of Hotspot with 10mm	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	661/1880	GPRS 2TS	0.194	0.096	0.050	27.78	28.50	0.229	/
Back Side	661/1880	GPRS 2TS	0.239	0.117	0.100	27.78	28.50	0.282	/
Left Side	661/1880	GPRS 2TS	0.104	0.061	-0.100	27.78	28.50	0.123	/
Right Side	661/1880	GPRS 2TS	0.097	0.055	-0.150	27.78	28.50	0.115	/
Bottom Side	661/1880	GPRS 2TS	0.082	0.038	0.080	27.78	28.50	0.097	/
Tested at the worst position with battery 2#									
Back Side	661/1880	GPRS 2TS	0.278	0.138	-0.180	27.78	28.50	0.328	/
Tested at the worst position with battery 3#									
Back Side	661/1880	GPRS 2TS	0.275	0.135	0.120	27.78	28.50	0.325	/

Table 212: Hotspot SAR test results of GSM1900

7.2.21 SAR measurement Result of UMTS Band II(Main Antenna)

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Right Hand Touched	9400/1880	RMC	0.625	0.386	-0.040	23.81	24.00	0.653	State 1
Right Hand Touched	9400/1880	RMC	0.662	0.411	0.090	23.81	24.00	0.692	State 2
Left Hand Touched	9400/1880	RMC	0.361	0.230	-0.160	23.81	24.00	0.377	State 2
Left Hand Tilted 15°	9400/1880	RMC	0.235	0.135	0.020	23.81	24.00	0.246	State 2
Right Hand Touched	9400/1880	RMC	0.662	0.411	0.090	23.81	24.00	0.692	State 2
Right Hand Tilted 15°	9400/1880	RMC	0.188	0.108	0.060	23.81	24.00	0.196	State 2
Right Hand Touched	9262/1852.4	RMC	0.586	0.341	0.120	23.75	24.00	0.621	State 2
Right Hand Touched	9538/1907.6	RMC	0.498	0.287	0.180	23.80	24.00	0.521	State 2
Tested at the worst position with SIM2									
Right Hand Touched	9400/1880	RMC	0.678	0.418	-0.060	23.81	24.00	0.708	State 2
Right Hand Touched	9400/1880	RMC	0.652	0.404	0.010	23.81	24.00	0.681	State 1
Tested at the worst position with battery 2#									
Right Hand Touched	9400/1880	RMC	0.593	0.366	0.100	23.81	24.00	0.620	State 2
Tested at the worst position with battery 3#									
Right Hand Touched	9400/1880	RMC	0.646	0.397	0.160	23.81	24.00	0.675	State 2
Additional SAR test(WiFi function work, Main Modem Synchronous transmission with Second Modem)									
Right Hand Touched	9400/1880	RMC	0.202	0.119	0.170	20.54	21.00	0.225	State 2

Table 213: Head SAR test results of UMTS Band II

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	9400/1880	RMC	0.333	0.183	0.000	23.81	24.00	0.348	State 1
Front Side	9400/1880	RMC	0.334	0.188	-0.110	23.81	24.00	0.349	State 2
Back Side	9400/1880	RMC	0.492	0.260	0.050	23.81	24.00	0.514	State 2
Tested at the worst position with SIM2									
Back Side	9400/1880	RMC	0.480	0.255	0.010	23.81	24.00	0.501	State 2
Tested at the worst position with battery 2#									
Back Side	9400/1880	RMC	0.561	0.296	0.090	23.81	24.00	0.586	State 2
Tested at the worst position with battery 3#									
Back Side	9400/1880	RMC	0.565	0.306	0.080	23.81	24.00	0.590	State 2
Back Side	9400/1880	RMC	0.565	0.298	0.090	23.81	24.00	0.590	State 1

Table 214: Body-Worn SAR test results of UMTS Band II

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Back Side	9400/1880	RMC	0.587	0.293	0.060	20.96	21.50	0.665	State 1
Back Side	9400/1880	RMC	0.640	0.311	0.130	20.96	21.50	0.725	State 2
Front Side	9400/1880	RMC	0.421	0.222	0.040	20.96	21.50	0.477	State 2
Back Side	9400/1880	RMC	0.640	0.311	0.130	20.96	21.50	0.725	State 2
Left Side	9400/1880	RMC	0.051	0.034	-0.080	20.96	21.50	0.058	State 2
Right Side	9400/1880	RMC	0.306	0.181	-0.110	20.96	21.50	0.347	State 2
Bottom Side	9400/1880	RMC	0.492	0.248	-0.010	20.96	21.50	0.557	State 2
Tested at the worst position with SIM2									
Back Side	9400/1880	RMC	0.622	0.308	0.160	20.96	21.50	0.704	State 2
Tested at the worst position with battery 2#									
Back Side	9400/1880	RMC	0.628	0.311	0.110	20.96	21.50	0.711	State 2
Tested at the worst position with battery 3#									
Back Side	9400/1880	RMC	0.672	0.332	0.040	20.96	21.50	0.761	State 2
Back Side	9400/1880	RMC	0.607	0.308	0.110	20.96	21.50	0.687	State 1

Table 215: Hotspot SAR test results of UMTS Band II

7.2.22 SAR measurement Result of UMTS Band IV(Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune- up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Right Hand Touched	1413/1732.6	RMC	0.555	0.355	0.080	23.82	24.00	0.578	State 1
Right Hand Touched	1413/1732.6	RMC	0.443	0.291	0.040	23.82	24.00	0.462	State 2
Left Hand Touched	1413/1732.6	RMC	0.333	0.226	0.190	23.82	24.00	0.347	State 1
Left Hand Tilted 15°	1413/1732.6	RMC	0.269	0.139	0.040	23.82	24.00	0.280	State 1
Right Hand Touched	1413/1732.6	RMC	0.555	0.355	0.080	23.82	24.00	0.578	State 1
Right Hand Tilted 15°	1413/1732.6	RMC	0.171	0.097	0.120	23.82	24.00	0.178	State 1
Right Hand Touched	1312/1712.4	RMC	0.500	0.294	0.150	23.75	24.00	0.530	State 1
Right Hand Touched	1513/1752.6	RMC	0.564	0.358	0.070	23.57	24.00	0.623	State 1
Tested at the worst position with SIM2									
Right Hand Touched	1513/1752.6	RMC	0.545	0.347	0.120	23.57	24.00	0.602	State 1
Tested at the worst position with battery 2#									
Right Hand Touched	1513/1752.6	RMC	0.599	0.382	0.160	23.57	24.00	0.661	State 1
Right Hand Touched	1513/1752.6	RMC	0.450	0.292	0.170	23.57	24.00	0.497	State 2
Tested at the worst position with battery 3#									
Right Hand Touched	1513/1752.6	RMC	0.587	0.370	0.120	23.57	24.00	0.648	State 1
Additional SAR test(WiFi function work, Main Modem Synchronous transmission with Second Modem)									
Right Hand Touched	1413/1732.6	RMC	0.303	0.191	0.070	21.86	22.00	0.313	State 1

Table 216: Head SAR test results of UMTS Band IV

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	1413/1732.6	RMC	0.266	0.173	-0.110	23.82	24.00	0.277	State 1
Back Side	1413/1732.6	RMC	0.298	0.183	0.060	23.82	24.00	0.311	State 1
Back Side	1413/1732.6	RMC	0.273	0.161	0.130	23.82	24.00	0.285	State 2
Tested at the worst position with SIM2									
Back Side	1413/1732.6	RMC	0.293	0.178	0.150	23.82	24.00	0.305	State 1
Tested at the worst position with battery 2#									
Back Side	1413/1732.6	RMC	0.316	0.192	0.190	23.82	24.00	0.329	State 1
Tested at the worst position with battery 3#									
Back Side	1413/1732.6	RMC	0.368	0.224	0.050	23.82	24.00	0.384	State 1
Back Side	1413/1732.6	RMC	0.289	0.173	0.000	23.82	24.00	0.301	State 2

Table 217: Body-Worn SAR test results of UMTS Band IV

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	1413/1732.6	RMC	0.470	0.271	0.010	22.74	23.50	0.560	State 1
Back Side	1413/1732.6	RMC	0.579	0.325	0.130	22.74	23.50	0.690	State 1
Back Side	1413/1732.6	RMC	0.511	0.294	0.090	22.74	23.50	0.609	State 2
Left Side	1413/1732.6	RMC	0.040	0.024	0.050	22.74	23.50	0.048	State 1
Right Side	1413/1732.6	RMC	0.245	0.141	0.070	22.74	23.50	0.292	State 1
Bottom Side	1413/1732.6	RMC	0.349	0.169	0.030	22.74	23.50	0.416	State 1
Tested at the worst position with SIM2									
Back Side	1413/1732.6	RMC	0.525	0.285	-0.040	22.74	23.50	0.625	State 1
Tested at the worst position with battery 2#									
Back Side	1413/1732.6	RMC	0.594	0.323	0.090	22.74	23.50	0.708	State 1
Tested at the worst position with battery 3#									
Back Side	1413/1732.6	RMC	0.616	0.337	0.180	22.74	23.50	0.734	State 1
Back Side	1413/1732.6	RMC	0.512	0.278	-0.040	22.74	23.50	0.610	State 2

Table 218: Hotspot SAR test results of UMTS Band IV

7.2.23 SAR measurement Result of UMTS Band V(Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Left Hand Touched	4182/836.4	RMC	0.201	0.154	0.170	23.56	24.50	0.250	/
Left Hand Tilted 15°	4182/836.4	RMC	0.154	0.113	0.180	23.56	24.50	0.191	/
Right Hand Touched	4182/836.4	RMC	0.279	0.212	0.050	23.56	24.50	0.346	/
Right Hand Tilted 15°	4182/836.4	RMC	0.124	0.095	0.060	23.56	24.50	0.154	/
Right Hand Touched	4132/826.4	RMC	0.237	0.164	0.090	23.54	24.50	0.296	/
Right Hand Touched	4233/846.6	RMC	0.299	0.227	0.180	23.56	24.50	0.371	/
Tested at the worst position with SIM2									
Right Hand Touched	4233/846.6	RMC	0.290	0.222	0.070	23.56	24.50	0.360	/
Tested at the worst position with battery 2#									
Right Hand Touched	4233/846.6	RMC	0.281	0.215	0.080	23.56	24.50	0.349	/
Tested at the worst position with battery 3#									
Right Hand Touched	4233/846.6	RMC	0.304	0.233	0.030	23.56	24.50	0.377	/

Table 219: Head SAR test results of UMTS Band V

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	4182/836.4	RMC	0.261	0.199	0.060	23.56	24.50	0.324	/
Back Side	4182/836.4	RMC	0.274	0.210	-0.020	23.56	24.50	0.340	/
Tested at the worst position with SIM2									
Back Side	4182/836.4	RMC	0.242	0.186	0.040	23.56	24.50	0.300	/
Tested at the worst position with battery 2#									
Back Side	4182/836.4	RMC	0.231	0.178	-0.010	23.56	24.50	0.287	/
Tested at the worst position with battery 3#									
Back Side	4182/836.4	RMC	0.219	0.168	0.030	23.56	24.50	0.272	/

Table 220: Body-Worn SAR test results of UMTS Band V

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR1-g (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
Front Side	4182/836.4	RMC	0.265	0.199	-0.080	23.56	24.50	0.329	/
Back Side	4182/836.4	RMC	0.368	0.212	0.090	23.56	24.50	0.457	/
Left Side	4182/836.4	RMC	0.123	0.083	-0.040	23.56	24.50	0.153	/
Right Side	4182/836.4	RMC	0.412	0.280	-0.060	23.56	24.50	0.512	/
Bottom Side	4182/836.4	RMC	0.156	0.081	-0.130	23.56	24.50	0.194	/
Tested at the worst position with SIM2									
Right Side	4182/836.4	RMC	0.450	0.306	-0.050	23.56	24.50	0.559	/
Tested at the worst position with battery 2#									
Right Side	4182/836.4	RMC	0.393	0.267	-0.060	23.56	24.50	0.488	/
Tested at the worst position with battery 3#									
Right Side	4182/836.4	RMC	0.397	0.270	-0.050	23.56	24.50	0.493	/

Table 221: Hotspot SAR test results of UMTS Band V

7.2.24 SAR measurement Result of LTE Band II(Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	19100/1900	20M QPSK 1RB#50	0.265	0.170	0.060	23.64	23.90	0.281	State 2
Left Hand Tilted 15°	19100/1900	20M QPSK 1RB#50	0.157	0.089	0.100	23.64	23.90	0.167	State 2
Right Hand Touched	19100/1900	20M QPSK 1RB#50	0.515	0.316	0.190	23.64	23.90	0.547	State 1
Right Hand Touched	19100/1900	20M QPSK 1RB#50	0.579	0.357	0.160	23.64	23.90	0.615	State 2
Right Hand Tilted 15°	19100/1900	20M QPSK 1RB#50	0.124	0.074	0.080	23.64	23.90	0.132	State 2
Right Hand Touched	18700/1860	20M QPSK 1RB#50	0.608	0.378	0.190	23.36	23.90	0.688	State 2
Right Hand Touched	18900/1880	20M QPSK 1RB#50	0.446	0.258	0.160	23.17	23.90	0.528	State 2
50%RB									
Left Hand Touched	19100/1900	20M QPSK 50%RB#0	0.238	0.142	0.130	22.48	23.20	0.281	State 2
Left Hand Tilted 15°	19100/1900	20M QPSK 50%RB#0	0.135	0.076	-0.010	22.48	23.20	0.159	State 2
Right Hand Touched	19100/1900	20M QPSK 50%RB#0	0.458	0.264	0.120	22.48	23.20	0.541	State 2
Right Hand Tilted 15°	19100/1900	20M QPSK 50%RB#0	0.109	0.065	-0.030	22.48	23.20	0.129	State 2
Tested at the worst position with SIM2									
Right Hand Touched	18700/1860	20M QPSK 1RB#50	0.611	0.378	0.190	23.36	23.90	0.692	State 2
Tested at the worst position with battery 2#									
Right Hand Touched	18700/1860	20M QPSK 1RB#50	0.526	0.305	0.110	23.36	23.90	0.596	State 2
Tested at the worst position with battery 3#									
Right Hand Touched	18700/1860	20M QPSK 1RB#50	0.636	0.394	0.110	23.36	23.90	0.720	State 2
Right Hand Touched	18700/1860	20M QPSK 1RB#50	0.593	0.342	0.000	23.36	23.90	0.672	State 1
Additional SAR test(WiFi function work, Main Modem Synchronous transmission with Second Modem)									
1RB									
Right Hand Touched	18700/1860	20M QPSK 1RB#99	0.227	0.135	-0.040	20.25	20.40	0.235	State 2
50%RB									
Right Hand Touched	18700/1860	20M QPSK 50%RB#50	0.184	0.105	0.130	19.18	19.70	0.207	State 2

Table 222: Head SAR test results of LTE Band II

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	19100/1900	20M QPSK 1RB#50	0.331	0.183	-0.090	23.64	23.90	0.351	State 2
Back Side	19100/1900	20M QPSK 1RB#50	0.452	0.248	-0.040	23.64	23.90	0.480	State 1
Back Side	19100/1900	20M QPSK 1RB#50	0.468	0.247	0.030	23.64	23.90	0.497	State 2
50%RB									
Front Side	19100/1900	20M QPSK 50%RB#0	0.365	0.194	0.150	22.48	23.20	0.431	State 2
Back Side	19100/1900	20M QPSK 50%RB#0	0.280	0.155	-0.080	22.48	23.20	0.330	State 2
Tested at the worst position with SIM2									
Back Side	19100/1900	20M QPSK 1RB#50	0.501	0.264	0.060	23.64	23.90	0.532	State 2
Tested at the worst position with battery 2#									
Back Side	19100/1900	20M QPSK 1RB#50	0.517	0.273	0.110	23.64	23.90	0.549	State 2
Tested at the worst position with battery 3#									
Back Side	19100/1900	20M QPSK 1RB#50	0.574	0.302	0.040	23.64	23.90	0.609	State 2
Back Side	19100/1900	20M QPSK 1RB#50	0.505	0.279	-0.020	23.64	23.90	0.536	State 1

Table 223: Body-Worn SAR test results of LTE Band II

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	19100/1900	20M QPSK 1RB#50	0.334	0.170	-0.050	21.18	21.40	0.351	State 2
Back Side	19100/1900	20M QPSK 1RB#50	0.392	0.194	0.160	21.18	21.40	0.412	State 1
Back Side	19100/1900	20M QPSK 1RB#50	0.520	0.250	-0.150	21.18	21.40	0.547	State 2
Left Side	19100/1900	20M QPSK 1RB#50	0.016	0.015	0.000	21.18	21.40	0.017	State 2
Right Side	19100/1900	20M QPSK 1RB#50	0.227	0.126	-0.060	21.18	21.40	0.239	State 2
Bottom Side	19100/1900	20M QPSK 1RB#50	0.373	0.178	0.130	21.18	21.40	0.392	State 2
50%RB									
Front Side	19100/1900	20M QPSK 50%RB#50	0.271	0.144	0.040	20.05	20.70	0.315	State 2
Back Side	19100/1900	20M QPSK 50%RB#50	0.427	0.205	0.110	20.05	20.70	0.496	State 2
Left Side	19100/1900	20M QPSK 50%RB#50	0.010	0.007	0.140	20.05	20.70	0.012	State 2
Right Side	19100/1900	20M QPSK 50%RB#50	0.177	0.097	-0.160	20.05	20.70	0.206	State 2
Bottom Side	19100/1900	20M QPSK 50%RB#50	0.292	0.136	0.140	20.05	20.70	0.339	State 2
Tested at the worst position with SIM2									
Back Side	19100/1900	20M QPSK 1RB#50	0.486	0.222	0.050	21.18	21.40	0.511	State 2
Tested at the worst position with battery 2#									
Back Side	19100/1900	20M QPSK 1RB#50	0.612	0.281	0.040	21.18	21.40	0.644	State 2
Tested at the worst position with battery 3#									
Back Side	19100/1900	20M QPSK 1RB#50	0.670	0.314	0.140	21.18	21.40	0.705	State 2
Back Side	19100/1900	20M QPSK 1RB#50	0.418	0.200	0.110	21.18	21.40	0.440	State 1

Table 224: Hotspot SAR test results of LTE Band II

7.2.25 SAR measurement Result of LTE Band IV(Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	20050/1720	20M QPSK 1RB#50	0.398	0.271	0.150	24.06	24.50	0.440	State 1
Left Hand Tilted 15°	20050/1720	20M QPSK 1RB#50	0.260	0.154	0.010	24.06	24.50	0.288	State 1
Right Hand Touched	20050/1720	20M QPSK 1RB#50	0.626	0.405	0.120	24.06	24.50	0.693	State 1
Right Hand Touched	20050/1720	20M QPSK 1RB#50	0.522	0.338	0.040	24.06	24.50	0.578	State 2
Right Hand Tilted 15°	20050/1720	20M QPSK 1RB#50	0.201	0.126	0.070	24.06	24.50	0.222	State 1
Right Hand Touched	20175/1732.5	20M QPSK 1RB#0	0.648	0.418	0.130	23.47	24.50	0.821	State 1
Right Hand Touched	20300/1745	20M QPSK 1RB#99	0.763	0.484	0.130	23.95	24.50	0.866	State 1
50%RB									
Left Hand Touched	20175/1732.5	20M QPSK 50%RB#0	0.347	0.219	0.130	22.63	23.50	0.424	State 1
Left Hand Tilted 15°	20175/1732.5	20M QPSK 50%RB#0	0.229	0.135	0.010	22.63	23.50	0.280	State 1
Right Hand Touched	20175/1732.5	20M QPSK 50%RB#0	0.563	0.362	0.150	22.63	23.50	0.688	State 1
Right Hand Tilted 15°	20175/1732.5	20M QPSK 50%RB#0	0.176	0.110	0.180	22.63	23.50	0.215	State 1
100%RB									
Right Hand Touched	20050/1720	20M QPSK 100%RB#0	0.530	0.341	0.150	22.40	23.50	0.683	State 1
Tested at the worst position with SIM2									
Right Hand Touched	20300/1745	20M QPSK 1RB#99	0.712	0.456	0.130	23.95	24.50	0.808	State 1
Tested at the worst position with battery 2#									
Right Hand Touched	20300/1745	20M QPSK 1RB#99	0.774	0.493	0.030	23.95	24.50	0.878	State 1
Tested at the worst position with battery 3#									
Right Hand Touched	20300/1745	20M QPSK 1RB#99	0.794	0.504	-0.020	23.95	24.50	0.901	State 1
Right Hand Touched	20300/1745	20M QPSK 1RB#99	0.717	0.465	-0.070	23.95	24.50	0.814	State 2
Additional SAR test(Main Modem simultaneous transmission with Second Modem)									
1RB									
Right Hand Touched	20050/1720	20M QPSK 1RB#99	0.503	0.322	0.120	21.91	22.00	0.514	State 1
50%RB									
Right Hand Touched	20050/1720	20M QPSK 50%RB#50	0.467	0.278	0.150	21.66	22.00	0.505	State 1

Additional SAR test(WiFi on function work, Main Modem Synchronous transmission with Second Modem)									
1RB									
Right Hand Touched	20050/1720	20M QPSK 1RB#99	0.420	0.268	0.070	21.56	21.80	0.444	State 1
50%RB									
Right Hand Touched	20175/1732.5	20M QPSK 50%RB#0	0.336	0.198	0.090	20.25	20.50	0.356	State 1

Table 225: Head SAR test results of LTE Band IV

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	20050/1720	20M QPSK 1RB#50	0.320	0.210	-0.080	24.06	24.50	0.354	State 1
Back Side	20050/1720	20M QPSK 1RB#50	0.353	0.218	-0.180	24.06	24.50	0.391	State 1
Back Side	20050/1720	20M QPSK 1RB#50	0.332	0.206	-0.060	24.06	24.50	0.367	State 2
50%RB									
Front Side	20175/1732.5	20M QPSK 50%RB#0	0.261	0.165	-0.180	22.63	23.50	0.319	State 1
Back Side	20175/1732.5	20M QPSK 50%RB#0	0.276	0.168	0.100	22.63	23.50	0.337	State 1
Tested at the worst position with SIM2									
Back Side	20050/1720	20M QPSK 1RB#50	0.366	0.226	0.050	24.06	24.50	0.405	State 1
Tested at the worst position with battery 2#									
Back Side	20050/1720	20M QPSK 1RB#50	0.495	0.316	-0.040	24.06	24.50	0.548	State 1
Tested at the worst position with battery 3#									
Back Side	20050/1720	20M QPSK 1RB#50	0.488	0.311	0.120	24.06	24.50	0.540	State 1
Back Side	20050/1720	20M QPSK 1RB#50	0.436	0.277	0.060	24.06	24.50	0.482	State 2

Table 226: Body-Worn SAR test results of LTE Band IV

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	20050/1720	20M QPSK 1RB#50	0.507	0.304	-0.020	22.95	23.30	0.550	State 1
Back Side	20050/1720	20M QPSK 1RB#50	0.759	0.450	-0.130	22.95	23.30	0.823	State 1
Back Side	20050/1720	20M QPSK 1RB#50	0.753	0.440	-0.040	22.95	23.30	0.816	State 2
Back Side	20175/1732.5	20M QPSK 1RB#0	0.786	0.459	0.040	22.78	23.30	0.886	State 1
Back Side	20300/1745	20M QPSK 1RB#99	0.824	0.479	0.060	22.86	23.30	0.912	State 1
Back Side-Repeated	20300/1745	20M QPSK 1RB#99	0.772	0.451	0.060	22.86	23.30	0.854	State 1
Back Side	20300/1745	20M QPSK 1RB#99	0.815	0.471	0.080	22.86	23.30	0.902	State 2
Left Side	20050/1720	20M QPSK 1RB#50	0.054	0.031	0.020	22.95	23.30	0.058	State 1
Right Side	20050/1720	20M QPSK 1RB#50	0.194	0.112	0.000	22.95	23.30	0.210	State 1
Bottom Side	20050/1720	20M QPSK 1RB#50	0.180	0.100	0.020	22.95	23.30	0.195	State 1
50%RB									
Front Side	20175/1732.5	20M QPSK 50%RB#0	0.412	0.246	-0.030	21.48	22.00	0.464	State 1
Back Side	20175/1732.5	20M QPSK 50%RB#0	0.464	0.273	0.060	21.48	22.00	0.523	State 1
Left Side	20175/1732.5	20M QPSK 50%RB#0	0.062	0.036	-0.050	21.48	22.00	0.070	State 1
Right Side	20175/1732.5	20M QPSK 50%RB#0	0.215	0.125	0.110	21.48	22.00	0.242	State 1
Bottom Side	20175/1732.5	20M QPSK 50%RB#0	0.161	0.089	0.030	21.48	22.00	0.181	State 1
100%RB									
Back Side	20050/1720	20M QPSK 100%RB#0	0.564	0.330	0.050	21.36	22.00	0.654	State 1
Tested at the worst position with SIM2									
Back Side	20300/1745	20M QPSK 1RB#99	0.798	0.466	0.040	22.86	23.30	0.883	State 1
Tested at the worst position with battery 2#									
Back Side	20300/1745	20M QPSK 1RB#99	0.778	0.461	-0.110	22.86	23.30	0.861	State 1
Tested at the worst position with battery 3#									
Back Side	20300/1745	20M QPSK 1RB#99	0.774	0.456	-0.040	22.86	23.30	0.857	State 1

Additional SAR test(WiFi Hotspot function work, Main Modem Synchronous transmission with Second Modem)									
1RB									
Back Side	20050/1720	20M QPSK 1RB#99	0.592	0.334	0.150	21.56	21.80	0.626	State 1
50%RB									
Back Side	20175/1732.5	20M QPSK 50%RB#0	0.512	0.280	0.000	20.25	20.50	0.542	State 1

Table 227: Hotspot SAR test results of LTE Band IV

7.2.26 SAR measurement Result of LTE Band V(Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	20450/829	10M QPSK 1RB#25	0.191	0.147	0.130	23.22	24.00	0.229	/
Left Hand Tilted 15°	20450/829	10M QPSK 1RB#25	0.118	0.865	0.070	23.22	24.00	0.141	/
Right Hand Touched	20450/829	10M QPSK 1RB#25	0.224	0.169	-0.050	23.22	24.00	0.268	/
Right Hand Touched	20525/836.5	10M QPSK 1RB#25	0.255	0.193	0.140	23.04	24.00	0.318	/
Right Hand Touched	20600/844	10M QPSK 1RB#25	0.276	0.209	0.160	23.20	24.00	0.332	/
Right Hand Tilted 15°	20450/829	10M QPSK 1RB#25	0.122	0.080	0.040	23.22	24.00	0.146	/
50%RB									
Left Hand Touched	20600/844	10M QPSK 50%RB#13	0.171	0.118	0.150	22.17	23.00	0.207	/
Left Hand Tilted 15°	20600/844	10M QPSK 50%RB#13	0.096	0.067	0.100	22.17	23.00	0.116	/
Right Hand Touched	20600/844	10M QPSK 50%RB#13	0.211	0.145	0.100	22.17	23.00	0.255	/
Right Hand Tilted 15°	20600/844	10M QPSK 50%RB#13	0.091	0.060	0.040	22.17	23.00	0.110	/
Tested at the worst position with SIM2									
Right Hand Touched	20600/844	10M QPSK 1RB#25	0.280	0.212	0.190	23.20	24.00	0.337	/
Tested at the worst position with battery 2#									
Right Hand Touched	20600/844	10M QPSK 1RB#25	0.251	0.190	0.060	23.20	24.00	0.302	/
Tested at the worst position with battery 3#									
Right Hand Touched	20600/844	10M QPSK 1RB#25	0.261	0.199	0.040	23.20	24.00	0.314	/

Table 228: Head SAR test results of LTE Band V

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	20450/829	10M QPSK 1RB#25	0.184	0.141	0.000	23.22	24.00	0.220	/
Back Side	20450/829	10M QPSK 1RB#25	0.196	0.151	-0.010	23.22	24.00	0.235	/
50%RB									
Front Side	20600/844	10M QPSK 50%RB#13	0.169	0.120	0.000	22.17	23.00	0.205	/
Back Side	20600/844	10M QPSK 50%RB#13	0.191	0.134	0.040	22.17	23.00	0.231	/
Tested at the worst position with SIM2									
Back Side	20450/829	10M QPSK 1RB#25	0.185	0.142	-0.180	23.22	24.00	0.221	/
Tested at the worst position with battery 2#									
Back Side	20450/829	10M QPSK 1RB#25	0.207	0.160	0.120	23.22	24.00	0.248	/
Tested at the worst position with battery 3#									
Back Side	20450/829	10M QPSK 1RB#25	0.193	0.147	-0.150	23.22	24.00	0.231	/

Table 229: Body-Worn SAR test results of LTE Band V

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	20450/829	10M QPSK 1RB#25	0.220	0.167	-0.040	23.22	24.00	0.263	/
Back Side	20450/829	10M QPSK 1RB#25	0.293	0.170	-0.090	23.22	24.00	0.351	/
Left Side	20450/829	10M QPSK 1RB#25	0.098	0.067	-0.100	23.22	24.00	0.118	/
Right Side	20450/829	10M QPSK 1RB#25	0.337	0.230	-0.060	23.22	24.00	0.403	/
Bottom Side	20450/829	10M QPSK 1RB#25	0.141	0.073	0.080	23.22	24.00	0.169	/
50%RB									
Front Side	20600/844	10M QPSK 50%RB#13	0.201	0.140	-0.020	22.17	23.00	0.243	/
Back Side	20600/844	10M QPSK 50%RB#13	0.299	0.196	0.010	22.17	23.00	0.362	/
Left Side	20600/844	10M QPSK 50%RB#13	0.136	0.091	-0.050	22.17	23.00	0.165	/
Right Side	20600/844	10M QPSK 50%RB#13	0.312	0.211	-0.050	22.17	23.00	0.378	/
Bottom Side	20600/844	10M QPSK 50%RB#13	0.103	0.058	-0.160	22.17	23.00	0.125	/
Tested at the worst position with SIM2									
Right Side	20450/829	10M QPSK 1RB#25	0.301	0.202	-0.020	23.22	24.00	0.360	/
Tested at the worst position with battery 2#									
Right Side	20450/829	10M QPSK 1RB#25	0.287	0.194	-0.040	23.22	24.00	0.343	/
Tested at the worst position with battery 3#									
Right Side	20450/829	10M QPSK 1RB#25	0.293	0.199	-0.010	23.22	24.00	0.351	/

Table 230: Hotspot SAR test results of LTE Band V

7.2.27 SAR measurement Result of LTE Band VII(Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	21350/2560	20M QPSK 1RB#50	0.404	0.217	0.110	23.05	24.00	0.503	State 2
Left Hand Tilted 15°	21350/2560	20M QPSK 1RB#50	0.095	0.049	0.170	23.05	24.00	0.118	State 2
Right Hand Touched	21350/2560	20M QPSK 1RB#50	0.303	0.168	-0.190	23.05	24.00	0.377	State 2
Right Hand Touched	21350/2560	20M QPSK 1RB#50	0.284	0.157	0.140	23.05	24.00	0.353	State 1
Right Hand Tilted 15°	21350/2560	20M QPSK 1RB#50	0.168	0.083	-0.120	23.05	24.00	0.209	State 2
Left Hand Touched	20850/2510	20M QPSK 1RB#50	0.313	0.165	0.170	22.84	24.00	0.409	State 2
Left Hand Touched	21100/2535	20M QPSK 1RB#99	0.360	0.189	-0.130	22.97	24.00	0.456	State 2
50%RB									
Left Hand Touched	21350/2560	20M QPSK 50%RB#0	0.319	0.166	0.080	22.02	23.00	0.400	State 2
Left Hand Tilted 15°	21350/2560	20M QPSK 50%RB#0	0.076	0.039	0.160	22.02	23.00	0.095	State 2
Right Hand Touched	21350/2560	20M QPSK 50%RB#0	0.226	0.121	0.140	22.02	23.00	0.283	State 2
Right Hand Tilted 15°	21350/2560	20M QPSK 50%RB#0	0.134	0.066	0.160	22.02	23.00	0.168	State 2
Tested at the worst position with SIM2									
Left Hand Touched	21350/2560	20M QPSK 1RB#50	0.380	0.200	0.120	23.05	24.00	0.473	State 2
Tested at the worst position with battery 2#									
Left Hand Touched	21350/2560	20M QPSK 1RB#50	0.441	0.238	-0.180	23.05	24.00	0.549	State 2
Tested at the worst position with battery 3#									
Left Hand Touched	21350/2560	20M QPSK 1RB#50	0.456	0.240	0.120	23.05	24.00	0.567	State 2
Left Hand Touched	21350/2560	20M QPSK 1RB#50	0.415	0.221	0.120	23.05	24.00	0.516	State 1
Additional SAR test(WiFi function work, Main Modem Synchronous transmission with Second Modem)									
1RB									
Left Hand Touched	21350/2560	20M QPSK 1RB#50	0.212	0.111	-0.140	21.39	22.50	0.274	State 2
50%RB									
Left Hand Touched	21350/2560	20M QPSK 1RB#50	0.202	0.106	-0.140	21.40	22.00	0.232	State 2

Table 231: Head SAR test results of LTE Band VII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	21350/2560	20M QPSK 1RB#50	0.174	0.099	0.130	23.05	24.00	0.217	State 1
Front Side	21350/2560	20M QPSK 1RB#50	0.188	0.108	-0.030	23.05	24.00	0.234	State 2
Back Side	21350/2560	20M QPSK 1RB#50	0.212	0.120	0.110	23.05	24.00	0.264	State 2
50%RB									
Front Side	21350/2560	20M QPSK 50%RB#0	0.153	0.087	0.090	22.02	23.00	0.192	State 2
Back Side	21350/2560	20M QPSK 50%RB#0	0.178	0.099	-0.160	22.02	23.00	0.223	State 2
Tested at the worst position with SIM2									
Back Side	21350/2560	20M QPSK 1RB#50	0.178	0.010	-0.020	23.05	24.00	0.222	State 2
Tested at the worst position with battery 2#									
Back Side	21350/2560	20M QPSK 1RB#50	0.158	0.009	0.020	23.05	24.00	0.197	State 2
Tested at the worst position with battery 3#									
Back Side	21350/2560	20M QPSK 1RB#50	0.261	0.145	0.030	23.05	24.00	0.325	State 2
Back Side	21350/2560	20M QPSK 1RB#50	0.189	0.100	0.170	23.05	24.00	0.235	State 1

Table 232: Body-Worn SAR test results of LTE Band VII

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	21350/2560	20M QPSK 1RB#50	0.157	0.080	0.000	20.95	22.00	0.200	State 1
Front Side	21350/2560	20M QPSK 1RB#50	0.166	0.081	0.180	20.95	22.00	0.211	State 2
Back Side	21350/2560	20M QPSK 1RB#50	0.251	0.106	-0.110	20.95	22.00	0.320	State 2
Left Side	21350/2560	20M QPSK 1RB#50	0.146	0.075	-0.010	20.95	22.00	0.186	State 2
Right Side	21350/2560	20M QPSK 1RB#50	0.135	0.068	-0.100	20.95	22.00	0.172	State 2
Bottom Side	21350/2560	20M QPSK 1RB#50	0.172	0.077	-0.100	20.95	22.00	0.219	State 2
50%RB									
Front Side	20850/2510	20M QPSK 50%RB#25	0.148	0.073	0.110	20.94	21.50	0.168	State 2
Back Side	20850/2510	20M QPSK 50%RB#25	0.221	0.102	-0.030	20.94	21.50	0.251	State 2
Left Side	20850/2510	20M QPSK 50%RB#25	0.102	0.052	0.070	20.94	21.50	0.116	State 2
Right Side	20850/2510	20M QPSK 50%RB#25	0.093	0.047	-0.070	20.94	21.50	0.105	State 2
Bottom Side	20850/2510	20M QPSK 50%RB#25	0.165	0.073	-0.030	20.94	21.50	0.188	State 2
Tested at the worst position with SIM2									
Back Side	21350/2560	20M QPSK 1RB#50	0.219	0.092	0.120	20.95	22.00	0.279	State 2
Tested at the worst position with battery 2#									
Back Side	21350/2560	20M QPSK 1RB#50	0.359	0.189	0.140	20.95	22.00	0.457	State 2
Back Side	21350/2560	20M QPSK 1RB#50	0.232	0.106	-0.030	20.95	22.00	0.295	State 1
Tested at the worst position with battery 3#									
Back Side	21350/2560	20M QPSK 1RB#50	0.249	0.130	-0.010	20.95	22.00	0.317	State 2

Table 233: Hotspot SAR test results of LTE Band VII

7.2.28 SAR measurement Result of LTE Band XII(Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	23060/704	10M QPSK 1RB#49	0.085	0.067	0.030	23.24	24.00	0.101	/
Left Hand Tilted 15°	23060/704	10M QPSK 1RB#49	0.050	0.034	0.170	23.24	24.00	0.059	/
Right Hand Touched	23060/704	10M QPSK 1RB#49	0.101	0.079	0.020	23.24	24.00	0.120	/
Right Hand Tilted 15°	23060/704	10M QPSK 1RB#49	0.058	0.044	0.170	23.24	24.00	0.069	/
Right Hand Touched	23095/707.5	10M QPSK 1RB#49	0.107	0.084	0.040	23.20	24.00	0.129	/
Right Hand Touched	23130/711	10M QPSK 1RB#25	0.118	0.092	0.180	23.14	24.00	0.144	/
50%RB									
Left Hand Touched	23130/711	10M QPSK 50%RB#13	0.068	0.048	0.180	22.13	23.00	0.083	/
Left Hand Tilted 15°	23130/711	10M QPSK 50%RB#13	0.041	0.028	0.190	22.13	23.00	0.050	/
Right Hand Touched	23130/711	10M QPSK 50%RB#13	0.085	0.060	0.060	22.13	23.00	0.103	/
Right Hand Tilted 15°	23130/711	10M QPSK 50%RB#13	0.049	0.034	0.170	22.13	23.00	0.060	/
Tested at the worst position with SIM2									
Right Hand Touched	23130/711	10M QPSK 1RB#25	0.109	0.085	0.040	23.14	24.00	0.133	/
Tested at the worst position with battery 2#									
Right Hand Touched	23130/711	10M QPSK 1RB#25	0.106	0.084	0.190	23.14	24.00	0.129	/
Tested at the worst position with battery 3#									
Right Hand Touched	23130/711	10M QPSK 1RB#25	0.112	0.088	0.190	23.14	24.00	0.137	/

Table 234: Head SAR test results of LTE Band XII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	23060/704	10M QPSK 1RB#49	0.113	0.087	-0.120	23.24	24.00	0.135	/
Back Side	23060/704	10M QPSK 1RB#49	0.139	0.105	-0.020	23.24	24.00	0.166	/
50%RB									
Front Side	23130/711	10M QPSK 50%RB#13	0.094	0.067	-0.010	22.13	23.00	0.114	/
Back Side	23130/711	10M QPSK 50%RB#13	0.122	0.087	0.020	22.13	23.00	0.149	/
Tested at the worst position with SIM2									
Back Side	23060/704	10M QPSK 1RB#49	0.144	0.108	0.010	23.24	24.00	0.172	/
Tested at the worst position with battery 2#									
Back Side	23060/704	10M QPSK 1RB#49	0.138	0.104	0.040	23.24	24.00	0.164	/
Tested at the worst position with battery 3#									
Back Side	23060/704	10M QPSK 1RB#49	0.152	0.114	0.050	23.24	24.00	0.181	/

Table 235: Body-Worn SAR test results of LTE Band XII

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	23060/704	10M QPSK 1RB#49	0.126	0.093	-0.010	23.24	24.00	0.150	/
Back Side	23060/704	10M QPSK 1RB#49	0.160	0.118	0.020	23.24	24.00	0.191	/
Left Side	23060/704	10M QPSK 1RB#49	0.067	0.045	0.090	23.24	24.00	0.079	/
Right Side	23060/704	10M QPSK 1RB#49	0.153	0.107	0.040	23.24	24.00	0.182	/
Bottom Side	23060/704	10M QPSK 1RB#49	0.051	0.033	-0.070	23.24	24.00	0.061	/
50%RB									
Front Side	23130/711	10M QPSK 50%RB#13	0.114	0.080	0.004	22.13	23.00	0.139	/
Back Side	23130/711	10M QPSK 50%RB#13	0.135	0.094	-0.140	22.13	23.00	0.165	/
Left Side	23130/711	10M QPSK 50%RB#13	0.056	0.038	0.000	22.13	23.00	0.069	/
Right Side	23130/711	10M QPSK 50%RB#13	0.130	0.090	0.080	22.13	23.00	0.159	/
Bottom Side	23130/711	10M QPSK 50%RB#13	0.051	0.028	-0.020	22.13	23.00	0.062	/
Tested at the worst position with SIM2									
Back Side	23060/704	10M QPSK 1RB#49	0.160	0.118	-0.090	23.24	24.00	0.191	/
Tested at the worst position with battery 2#									
Back Side	23060/704	10M QPSK 1RB#49	0.179	0.130	-0.110	23.24	24.00	0.213	/
Tested at the worst position with battery 3#									
Back Side	23060/704	10M QPSK 1RB#49	0.209	0.152	0.010	23.24	24.00	0.249	/

Table 236: Hotspot SAR test results of LTE Band XII

7.2.29 SAR measurement Result of LTE Band XVII(Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	23780/709	10M QPSK 1RB#25	0.090	0.070	0.030	23.03	24.00	0.113	/
Left Hand Tilted 15°	23780/709	10M QPSK 1RB#25	0.078	0.058	0.120	23.03	24.00	0.097	/
Right Hand Touched	23780/709	10M QPSK 1RB#25	0.106	0.083	0.010	23.03	24.00	0.133	/
Right Hand Tilted 15°	23780/709	10M QPSK 1RB#25	0.072	0.053	0.050	23.03	24.00	0.090	/
Right Hand Touched	23790/710	10M QPSK 1RB#25	0.109	0.085	0.110	22.96	24.00	0.138	/
Right Hand Touched	23800/711	10M QPSK 1RB#25	0.113	0.088	0.130	23.01	24.00	0.142	/
50%RB									
Left Hand Touched	23780/709	10M QPSK 50%RB#13	0.069	0.048	0.110	21.92	23.00	0.088	/
Left Hand Tilted 15°	23780/709	10M QPSK 50%RB#13	0.060	0.041	0.190	21.92	23.00	0.076	/
Right Hand Touched	23780/709	10M QPSK 50%RB#13	0.081	0.057	0.030	21.92	23.00	0.104	/
Right Hand Tilted 15°	23780/709	10M QPSK 50%RB#13	0.057	0.039	0.100	21.92	23.00	0.073	/
Tested at the worst position with SIM									
Right Hand Touched	23800/711	10M QPSK 1RB#25	0.109	0.085	0.140	23.01	24.00	0.137	/
Tested at the worst position with battery 2#									
Right Hand Touched	23800/711	10M QPSK 1RB#25	0.107	0.084	0.060	23.01	24.00	0.134	/
Tested at the worst position with battery 3#									
Right Hand Touched	23800/711	10M QPSK 1RB#25	0.109	0.086	0.150	23.01	24.00	0.137	/

Table 237: Head SAR test results of LTE Band XVII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	23780/709	10M QPSK 1RB#25	0.092	0.069	-0.120	23.03	24.00	0.115	/
Back Side	23780/709	10M QPSK 1RB#25	0.130	0.099	-0.130	23.03	24.00	0.163	/
50%RB									
Front Side	23780/709	10M QPSK 50%RB#13	0.075	0.053	-0.040	21.92	23.00	0.097	/
Back Side	23780/709	10M QPSK 50%RB#13	0.107	0.075	-0.010	21.92	23.00	0.137	/
Tested at the worst position with SIM2									
Back Side	23780/709	10M QPSK 1RB#25	0.138	0.105	-0.090	23.03	24.00	0.173	/
Tested at the worst position with battery 2#									
Back Side	23780/709	10M QPSK 1RB#25	0.133	0.100	-0.070	23.03	24.00	0.166	/
Tested at the worst position with battery 3#									
Back Side	23780/709	10M QPSK 1RB#25	0.158	0.119	-0.080	23.03	24.00	0.198	/

Table 238: Body-Worn SAR test results of LTE Band XVII

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	23780/709	10M QPSK 1RB#25	0.149	0.111	-0.030	23.03	24.00	0.186	/
Back Side	23780/709	10M QPSK 1RB#25	0.199	0.146	-0.030	23.03	24.00	0.249	/
Left Side	23780/709	10M QPSK 1RB#25	0.077	0.053	0.000	23.03	24.00	0.097	/
Right Side	23780/709	10M QPSK 1RB#25	0.187	0.129	0.030	23.03	24.00	0.234	/
Bottom Side	23780/709	10M QPSK 1RB#25	0.066	0.035	0.070	23.03	24.00	0.083	/
50%RB									
Front Side	23780/709	10M QPSK 50%RB#13	0.120	0.085	0.040	21.92	23.00	0.154	/
Back Side	23780/709	10M QPSK 50%RB#13	0.161	0.114	0.020	21.92	23.00	0.206	/
Left Side	23780/709	10M QPSK 50%RB#13	0.062	0.042	0.020	21.92	23.00	0.079	/
Right Side	23780/709	10M QPSK 50%RB#13	0.153	0.105	0.030	21.92	23.00	0.196	/
Bottom Side	23780/709	10M QPSK 50%RB#13	0.052	0.030	0.120	21.92	23.00	0.066	/
Tested at the worst position with SIM2									
Back Side	23780/709	10M QPSK 1RB#25	0.156	0.090	0.000	23.03	24.00	0.195	/
Tested at the worst position with battery 2#									
Back Side	23780/709	10M QPSK 1RB#25	0.212	0.123	0.050	23.03	24.00	0.265	/
Tested at the worst position with battery 3#									
Back Side	23780/709	10M QPSK 1RB#25	0.219	0.126	0.000	23.03	24.00	0.274	/

Table 239: Hotspot SAR test results of LTE Band XVII

7.2.30 SAR measurement Result of LTE Band XXVI(Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	26775/822.5	15M QPSK 1RB#38	0.153	0.110	0.150	22.66	24.00	0.208	/
Left Hand Tilted 15°	26775/822.5	15M QPSK 1RB#38	0.138	0.090	0.600	22.66	24.00	0.188	/
Right Hand Touched	26775/822.5	15M QPSK 1RB#38	0.201	0.153	0.110	22.66	24.00	0.274	/
Right Hand Touched	26865/831.5	15M QPSK 1RB#38	0.259	0.197	0.160	22.54	24.00	0.362	/
Right Hand Touched	26965/841.5	15M QPSK 1RB#38	0.256	0.194	0.170	22.57	24.00	0.356	/
Right Hand Tilted 15°	26775/822.5	15M QPSK 1RB#38	0.121	0.078	0.030	22.66	24.00	0.165	/
50%RB									
Left Hand Touched	26775/822.5	15M QPSK 50%RB#18	0.122	0.084	0.120	21.55	23.00	0.170	/
Left Hand Tilted 15°	26775/822.5	15M QPSK 50%RB#18	0.113	0.074	0.070	21.55	23.00	0.158	/
Right Hand Touched	26775/822.5	15M QPSK 50%RB#18	0.159	0.109	0.170	21.55	23.00	0.222	/
Right Hand Tilted 15°	26775/822.5	15M QPSK 50%RB#18	0.100	0.065	0.030	21.55	23.00	0.140	/
Tested at the worst position with SIM2									
Right Hand Touched	26865/831.5	15M QPSK 1RB#38	0.212	0.155	0.060	22.54	24.00	0.297	/
Tested at the worst position with battery 2#									
Right Hand Touched	26865/831.5	15M QPSK 1RB#38	0.231	0.175	0.060	22.54	24.00	0.323	/
Tested at the worst position with battery 3#									
Right Hand Touched	26865/831.5	15M QPSK 1RB#38	0.256	0.194	0.050	22.54	24.00	0.358	/

Table 240: Head SAR test results of LTE Band XXVI

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	26775/822.5	15M QPSK 1RB#38	0.179	0.137	-0.080	22.66	24.00	0.244	/
Back Side	26775/822.5	15M QPSK 1RB#38	0.209	0.162	-0.080	22.66	24.00	0.285	/
50%RB									
Front Side	26775/822.5	15M QPSK 50%RB#18	0.142	0.100	-0.020	21.55	23.00	0.198	/
Back Side	26775/822.5	15M QPSK 50%RB#18	0.167	0.119	0.190	21.55	23.00	0.233	/
Tested at the worst position with SIM2									
Back Side	26775/822.5	15M QPSK 1RB#38	0.190	0.148	-0.090	22.66	24.00	0.259	/
Tested at the worst position with battery 2#									
Back Side	26775/822.5	15M QPSK 1RB#38	0.227	0.173	0.020	22.66	24.00	0.309	/
Tested at the worst position with battery 3#									
Back Side	26775/822.5	15M QPSK 1RB#38	0.224	0.171	-0.080	22.66	24.00	0.305	/

Table 241: Body-Worn SAR test results of LTE Band XXVI

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducte d Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	26775/822.5	15M QPSK 1RB#38	0.194	0.147	-0.040	22.66	24.00	0.264	/
Back Side	26775/822.5	15M QPSK 1RB#38	0.277	0.160	-0.130	22.66	24.00	0.377	/
Left Side	26775/822.5	15M QPSK 1RB#38	0.077	0.052	-0.090	22.66	24.00	0.105	/
Right Side	26775/822.5	15M QPSK 1RB#38	0.330	0.225	-0.070	22.66	24.00	0.449	/
Bottom Side	26775/822.5	15M QPSK 1RB#38	0.136	0.071	-0.050	22.66	24.00	0.185	/
50%RB									
Front Side	26775/822.5	15M QPSK 50%RB#18	0.151	0.106	-0.010	21.55	23.00	0.211	/
Back Side	26775/822.5	15M QPSK 50%RB#18	0.204	0.141	0.030	21.55	23.00	0.285	/
Left Side	26775/822.5	15M QPSK 50%RB#18	0.063	0.043	-0.080	21.55	23.00	0.088	/
Right Side	26775/822.5	15M QPSK 50%RB#18	0.268	0.180	-0.070	21.55	23.00	0.374	/
Bottom Side	26775/822.5	15M QPSK 50%RB#18	0.108	0.056	-0.090	21.55	23.00	0.151	/
Tested at the worst position with SIM2									
Right Side	26775/822.5	15M QPSK 1RB#38	0.331	0.226	-0.010	22.66	24.00	0.451	/
Tested at the worst position with battery 2#									
Right Side	26775/822.5	15M QPSK 1RB#38	0.329	0.225	-0.040	22.66	24.00	0.448	/
Tested at the worst position with battery 3#									
Right Side	26775/822.5	15M QPSK 1RB#38	0.331	0.227	-0.090	22.66	24.00	0.451	/

Table 242: Hotspot SAR test results of LTE Band XXVI

7.2.31 SAR measurement Result of LTE Band XXXVIII(Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	38000/2595	20M QPSK 1RB#50	0.363	0.188	-0.110	23.62	24.20	0.415	State 2
Left Hand Tilted 15°	38000/2595	20M QPSK 1RB#50	0.062	0.031	0.070	23.62	24.20	0.071	State 2
Right Hand Touched	38000/2595	20M QPSK 1RB#50	0.211	0.114	0.170	23.62	24.20	0.241	State 1
Right Hand Touched	38000/2595	20M QPSK 1RB#50	0.214	0.116	0.160	23.62	24.20	0.245	State 2
Right Hand Tilted 15°	38000/2595	20M QPSK 1RB#50	0.124	0.062	0.180	23.62	24.20	0.142	State 2
Left Hand Touched	37850/2580	20M QPSK 1RB#50	0.344	0.179	0.110	23.58	24.20	0.397	State 2
Left Hand Touched	38150/2610	20M QPSK 1RB#50	0.347	0.178	-0.080	23.57	24.20	0.401	State 2
50%RB									
Left Hand Touched	38150/2610	20M QPSK 50%RB#50	0.304	0.155	0.110	23.14	23.20	0.308	State 2
Left Hand Tilted 15°	38150/2610	20M QPSK 50%RB#50	0.055	0.028	0.030	23.14	23.20	0.056	State 2
Right Hand Touched	38150/2610	20M QPSK 50%RB#50	0.110	0.061	0.070	23.14	23.20	0.112	State 2
Right Hand Tilted 15°	38150/2610	20M QPSK 50%RB#50	0.110	0.054	0.120	23.14	23.20	0.112	State 2
Tested at the worst position with SIM2									
Left Hand Touched	38000/2595	20M QPSK 1RB#50	0.312	0.161	0.180	23.62	24.20	0.357	State 2
Tested at the worst position with battery 2#									
Left Hand Touched	38000/2595	20M QPSK 1RB#50	0.445	0.231	0.190	23.62	24.20	0.509	State 2
Left Hand Touched	38000/2595	20M QPSK 1RB#50	0.406	0.212	0.110	23.62	24.20	0.464	State 1
Tested at the worst position with battery 3#									
Left Hand Touched	38000/2595	20M QPSK 1RB#50	0.314	0.163	0.130	23.62	24.20	0.359	State 2
Additional SAR test(WiFi function work, Main Modem Synchronous transmission with Second Modem)									
1RB									
Left Hand Touched	37850/2580	20M QPSK 1RB#50	0.268	0.141	0.140	21.76	23.20	0.373	State 2
50%RB									
Left Hand Touched	38150/2610	20M QPSK 50%RB#50	0.204	0.103	-0.160	21.74	22.20	0.227	State 2

Table 243: Head SAR test results of LTE Band XXXVIII

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	38000/2595	20M QPSK 1RB#50	0.095	0.053	0.040	23.62	24.20	0.108	State 2
Back Side	38000/2595	20M QPSK 1RB#50	0.104	0.058	0.110	23.62	24.20	0.119	State 1
Back Side	38000/2595	20M QPSK 1RB#50	0.105	0.059	0.130	23.62	24.20	0.120	State 2
50%RB									
Front Side	38000/2595	20M QPSK 50%RB#25	0.085	0.047	0.160	23.14	23.20	0.086	State 2
Back Side	38000/2595	20M QPSK 50%RB#25	0.097	0.054	0.150	23.14	23.20	0.098	State 2
Tested at the worst position with SIM2									
Back Side	38000/2595	20M QPSK 1RB#50	0.132	0.072	0.120	23.62	24.20	0.151	State 2
Tested at the worst position with battery 2#									
Back Side	38000/2595	20M QPSK 1RB#50	0.176	0.096	0.030	23.62	24.20	0.201	State 2
Back Side	38000/2595	20M QPSK 1RB#50	0.134	0.073	-0.080	23.62	24.20	0.153	State 1
Tested at the worst position with battery 3#									
Back Side	38000/2595	20M QPSK 1RB#50	0.121	0.067	0.120	23.62	24.20	0.138	State 2

Table 244: Body-Worn SAR test results of LTE Band XXXVIII

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	38150/2610	20M QPSK 1RB#50	0.147	0.075	0.180	21.76	23.20	0.205	State 2
Back Side	38150/2610	20M QPSK 1RB#50	0.167	0.072	0.130	22.47	23.00	0.189	State 1
Back Side	38150/2610	20M QPSK 1RB#50	0.189	0.095	0.110	21.76	23.20	0.263	State 2
Left Side	38150/2610	20M QPSK 1RB#50	0.114	0.057	-0.060	21.76	23.20	0.159	State 2
Right Side	38150/2610	20M QPSK 1RB#50	0.048	0.023	-0.030	21.76	23.20	0.067	State 2
Bottom Side	38150/2610	20M QPSK 1RB#50	0.099	0.047	-0.150	21.76	23.20	0.138	State 2
50%RB									
Front Side	38150/2610	20M QPSK 50%RB#50	0.130	0.067	0.120	21.74	22.20	0.145	State 2
Back Side	38150/2610	20M QPSK 50%RB#50	0.165	0.081	0.130	21.74	22.20	0.183	State 2
Left Side	38150/2610	20M QPSK 50%RB#50	0.105	0.054	-0.130	21.74	22.20	0.117	State 2
Right Side	38150/2610	20M QPSK 50%RB#50	0.040	0.019	-0.180	21.74	22.20	0.044	State 2
Bottom Side	38150/2610	20M QPSK 50%RB#50	0.079	0.038	-0.050	21.74	22.20	0.088	State 2
Tested at the worst position with SIM2									
Back Side	38150/2610	20M QPSK 1RB#50	0.170	0.091	0.090	21.76	23.20	0.237	State 2
Tested at the worst position with battery 2#									
Back Side	38150/2610	20M QPSK 1RB#50	0.206	0.111	0.050	21.76	23.20	0.287	State 2
Back Side	38150/2610	20M QPSK 1RB#50	0.187	0.094	-0.050	22.47	23.00	0.211	State 1
Tested at the worst position with battery 3#									
Back Side	38150/2610	20M QPSK 1RB#50	0.183	0.094	0.130	21.76	23.20	0.255	State 2

Table 245: Hotspot SAR test results of LTE Band XXXVIII

7.2.32 SAR measurement Result of LTE Band XLI(Main Antenna)

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Left Hand Touched	40340/2565	20M QPSK 1RB#50	0.249	0.130	0.190	22.74	24.00	0.333	State 2
Left Hand Tilted 15°	40340/2565	20M QPSK 1RB#50	0.042	0.022	0.150	22.74	24.00	0.057	State 2
Right Hand Touched	40340/2565	20M QPSK 1RB#50	0.145	0.077	0.120	22.74	24.00	0.194	State 1
Right Hand Touched	40340/2565	20M QPSK 1RB#50	0.150	0.081	0.120	22.74	24.00	0.200	State 2
Right Hand Tilted 15°	40340/2565	20M QPSK 1RB#50	0.074	0.037	0.150	22.74	24.00	0.098	State 2
Left Hand Touched	40740/2605	20M QPSK 1RB#50	0.217	0.113	0.070	22.41	24.00	0.313	State 2
Left Hand Touched	41140/2645	20M QPSK 1RB#50	0.245	0.126	0.130	22.62	24.00	0.337	State 2
50%RB									
Left Hand Touched	40340/2565	20M QPSK 50%RB#25	0.198	0.104	-0.160	22.16	23.00	0.240	State 2
Left Hand Tilted 15°	40340/2565	20M QPSK 50%RB#25	0.039	0.020	0.040	22.16	23.00	0.048	State 2
Right Hand Touched	40340/2565	20M QPSK 50%RB#25	0.131	0.068	0.030	22.16	23.00	0.159	State 2
Right Hand Tilted 15°	40340/2565	20M QPSK 50%RB#25	0.065	0.032	0.040	22.16	23.00	0.078	State 2
Left Hand Touched	40340/2565	20M QPSK 1RB#50	0.205	0.109	0.160	22.74	24.00	0.274	State 2
Tested at the worst position with battery 2#									
Left Hand Touched	40340/2565	20M QPSK 1RB#50	0.292	0.155	0.030	22.74	24.00	0.390	State 2
Left Hand Touched	40340/2565	20M QPSK 1RB#50	0.260	0.134	0.120	22.74	24.00	0.348	State 1
Tested at the worst position with battery 3#									
Left Hand Touched	40340/2565	20M QPSK 1RB#50	0.222	0.120	-0.160	22.74	24.00	0.297	State 2

Table 246: Head SAR test results of LTE Band XLI

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	40340/2565	20M QPSK 1RB#50	0.059	0.034	-0.120	22.74	24.00	0.079	State 2
Back Side	40340/2565	20M QPSK 1RB#50	0.066	0.035	0.140	22.74	24.00	0.088	State 1
Back Side	40340/2565	20M QPSK 1RB#50	0.087	0.048	0.120	22.74	24.00	0.116	State 2
50%RB									
Front Side	40340/2565	20M QPSK 50%RB#25	0.051	0.029	0.120	22.16	23.00	0.062	State 2
Back Side	40340/2565	20M QPSK 50%RB#25	0.077	0.042	-0.040	22.16	23.00	0.094	State 2
Tested at the worst position with SIM2									
Back Side	40340/2565	20M QPSK 1RB#50	0.071	0.039	0.190	22.74	24.00	0.095	State 2
Tested at the worst position with battery 2#									
Back Side	40340/2565	20M QPSK 1RB#50	0.113	0.061	-0.140	22.74	24.00	0.151	State 2
Back Side	40340/2565	20M QPSK 1RB#50	0.096	0.054	-0.120	22.74	24.00	0.128	State 1
Tested at the worst position with battery 3#									
Back Side	40340/2565	20M QPSK 1RB#50	0.086	0.047	0.060	22.74	24.00	0.114	State 2

Table 247: Body-Worn SAR test results of LTE Band XLI

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g	10-g					
Test data with battery 1#									
1RB									
Front Side	40340/2565	20M QPSK 1RB#50	0.135	0.074	-0.060	22.79	23.00	0.142	State 2
Back Side	40340/2565	20M QPSK 1RB#50	0.194	0.091	0.010	22.79	23.00	0.204	State 1
Back Side	40340/2565	20M QPSK 1RB#50	0.195	0.104	-0.110	22.79	23.00	0.205	State 2
Left Side	40340/2565	20M QPSK 1RB#50	0.135	0.069	-0.110	22.79	23.00	0.142	State 2
Right Side	40340/2565	20M QPSK 1RB#50	0.069	0.035	0.050	22.79	23.00	0.072	State 2
Bottom Side	40340/2565	20M QPSK 1RB#50	0.119	0.055	0.190	22.79	23.00	0.125	State 2
50%RB									
Front Side	40340/2565	20M QPSK 50RB#0	0.104	0.057	-0.090	21.66	22.00	0.112	State 2
Back Side	40340/2565	20M QPSK 50RB#0	0.161	0.863	-0.120	21.66	22.00	0.174	State 2
Left Side	40340/2565	20M QPSK 50RB#0	0.101	0.051	-0.100	21.66	22.00	0.109	State 2
Right Side	40340/2565	20M QPSK 50RB#0	0.059	0.030	-0.060	21.66	22.00	0.064	State 2
Bottom Side	40340/2565	20M QPSK 50RB#0	0.100	0.045	-0.160	21.66	22.00	0.108	State 2
Tested at the worst position with SIM2									
Back Side	40340/2565	20M QPSK 1RB#50	0.142	0.074	-0.180	22.79	23.00	0.149	State 2
Tested at the worst position with battery 2#									
Back Side	40340/2565	20M QPSK 1RB#50	0.254	0.136	0.070	22.79	23.00	0.267	State 2
Back Side	40340/2565	20M QPSK 1RB#50	0.200	0.109	-0.100	22.79	23.00	0.210	State 1
Tested at the worst position with battery 3#									
Back Side	40340/2565	20M QPSK 1RB#50	0.168	0.087	0.030	22.79	23.00	0.176	State 2

Table 248: Hotspot SAR test results of LTE Band XLI

7.2.33 SAR measurement Result of WiFi 2.4G

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g Area Scan	1-g Zoom Scan					
Test data with battery 1#									
Left Hand Touched	11/2462	802.11 b	1.080	0.993	-0.180	15.09	16.50	1.374	/
Left Hand Touched	11/2462	802.11 b	0.804	0.870	0.170	15.09	16.50	1.204	/
Left Hand Touched	6/2437	802.11 b	0.932	0.889	0.120	14.91	16.50	1.282	/
Left Hand Touched	1/2412	802.11 b	0.971	0.921	0.020	14.81	16.50	1.359	/
Left Hand Tilted 15°	11/2462	802.11 b	0.818	0.873	-0.070	15.09	16.50	1.208	
Left Hand Tilted 15°	6/2437	802.11 b	0.722	0.784	-0.060	14.91	16.50	1.131	/
Right Hand Touched	11/2462	802.11 b	0.188	0.211	0.140	14.91	16.50	0.304	/
Right Hand Tilted 15°	11/2462	802.11 b	0.202	0.228	0.000	14.91	16.50	0.329	/
Tested at the worst position with battery 2#									
Left Hand Touched	11/2462	802.11 b	0.817	0.843	-0.180	15.09	16.50	1.166	/
Tested at the worst position with battery 3#									
Left Hand Touched	11/2462	802.11 b	0.830	0.861	0.100	15.09	16.50	1.191	/
Additional SAR test(simultaneous transmission with 2G&3G&4G antenna)									
Left Hand Touched	11/2462	802.11 b	0.558	0.551	0.120	13.20	14.50	0.743	/
Left Hand Tilted 15°	11/2462	802.11 b	0.490	0.535	0.180	13.20	14.50	0.722	/
Right Hand Touched	11/2462	802.11 b	0.119	0.135	0.160	13.20	14.50	0.182	/
Right Hand Tilted 15°	11/2462	802.11 b	0.122	0.140	0.030	13.20	14.50	0.189	/
Left Hand Touched	11/2462	802.11 b	0.558	0.551	0.120	13.20	14.50	0.743	/

Table 249: Head SAR test results of WiFi 2.4G

Mode	Tune-up (dBm)	Tune-up (mW)	Highest Reported SAR(W/kg)	Adjusted SAR (W/kg)	SAR test
802.11b	16.50	44.67	1.374	/	Yes
802.11g	15.50	35.48	/	1.091	No
802.11n 20M	15.00	31.62	/	0.973	No
802.11n 40M	14.00	25.12	/	0.773	No

Note: Per KDB248227D01, for Head SAR test of WiFi 2.4G,

- 1) SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure.
- 2) As the highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g Area Scan	1-g Zoom Scan					
Test data with battery 1#									
Front Side	11/2462	802.11 b	0.081	0.086	0.030	15.09	16.50	0.119	/
Back Side	11/2462	802.11 b	0.093	0.096	0.080	15.09	16.50	0.132	/
Tested at the worst position with battery 2#									
Back Side	11/2462	802.11 b	0.066	/	0.130	15.09	16.50	/	/
Tested at the worst position with battery 3#									
Back Side	11/2462	802.11 b	0.076	/	-0.130	15.09	16.50	/	/

Table 250: Body-Worn SAR test results of WiFi 2.4G

Mode	Tune-up (dBm)	Tune-up (mW)	Highest Reported SAR(W/kg)	Adjusted SAR (W/kg)	SAR test
802.11b	16.50	44.67	0.132	/	Yes
802.11g	15.50	35.48	/	0.105	No
802.11n 20M	15.00	31.62	/	0.093	No
802.11n 40M	14.00	25.12	/	0.074	No

Note: Per KDB248227D01, for Body-worn SAR test of WiFi 2.4G:

- 1) SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure.
- 2) As the highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g Area Scan	1-g Zoom Scan					
Test data with battery 1#									
Front Side	11/2462	802.11 b	0.160	0.170	-0.040	15.09	16.50	0.235	/
Back Side	11/2462	802.11 b	0.225	0.237	0.190	15.09	16.50	0.328	/
Right Side	11/2462	802.11 b	0.206	0.209	-0.311	15.09	16.50	0.289	/
Top Side	11/2462	802.11 b	0.089	/	-0.130	15.09	16.50	/	/
Tested at the worst position with battery 2#									
Back Side	11/2462	802.11 b	0.135	/	0.020	15.09	16.50	/	/
Tested at the worst position with battery 3#									
Back Side	11/2462	802.11 b	0.212	0.220	0.010	15.09	16.50	0.304	/
Additional SAR test(simultaneous transmission with 2G&3G&4G antenna)									
Back Side	11/2462	802.11 b	0.159	0.162	0.120	11.78	13.00	0.215	/

Table 251: Hotspot SAR test results of WiFi 2.4G

Mode	Tune-up (dBm)	Tune-up (mW)	Highest Reported SAR(W/kg)	Adjusted SAR (W/kg)	SAR test
802.11b	16.50	44.67	0.328	/	Yes
802.11g	15.50	35.48	/	0.261	No
802.11n 20M	15.00	31.62	/	0.232	No
802.11n 40M	14.00	25.12	/	0.184	No

Note: Per KDB248227D01, for Hotspot SAR test of WiFi 2.4G:

- 1) SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure.
- 2) As the highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

7.2.34 SAR measurement Result of WiFi 5G

Test Position of Head	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g Area Scan	1-g Zoom Scan					
Test data with battery 1#									
5.3G U-NII-2A Band (802.11a)									
Left Hand Touched	52/5260	802.11a	0.771	0.900	-0.080	14.63	15.50	1.100	/
Left Hand Touched	64/5320	802.11a	0.863	1.050	-0.110	14.45	15.50	1.337	/
Left Hand Touched	60/5300	802.11a	0.873	1.020	0.130	14.43	15.50	1.305	/
Left Hand Touched	56/5280	802.11a	0.855	0.995	0.130	14.36	15.50	1.294	/
Left Hand Tilted 15°	52/5260	802.11a	0.618	0.740	0.050	14.63	15.50	0.904	/
Left Hand Tilted 15°	64/5320	802.11a	0.784	0.939	0.160	14.45	15.50	1.196	/
Left Hand Tilted 15°	60/5300	802.11a	0.796	0.983	0.030	14.43	15.50	1.258	/
Left Hand Tilted 15°	56/5280	802.11a	0.712	0.881	0.020	14.36	15.50	1.145	/
Right Hand Touched	52/5260	802.11a	0.340	0.379	0.050	14.63	15.50	0.463	/
Right Hand Tilted 15°	52/5260	802.11a	0.305	/	0.020	14.63	15.50	/	/
5.2G U-NII-1 Band (802.11a)									
Left Hand Touched	40/5200	802.11a	0.696	0.797	0.050	14.62	15.50	0.976	/
Left Hand Touched	36/5180	802.11a	0.712	0.853	-0.020	14.55	15.50	1.062	/
Left Hand Tilted 15°	40/5200	802.11a	0.613	0.730	0.010	14.62	15.50	0.894	/
Left Hand Tilted 15°	36/5180	802.11a	0.617	0.778	0.070	14.55	15.50	0.968	/
Right Hand Touched	40/5200	802.11a	0.270	0.298	0.030	14.62	15.50	0.365	/
Right Hand Tilted 15°	40/5200	802.11a	0.255	/	0.050	14.62	15.50	/	/
5.5G U-NII-2C Band (802.11a)									
Left Hand Touched	104/5520	802.11a	0.893	1.120	0.120	13.41	14.00	1.283	/
Left Hand Touched	108/5540	802.11a	0.975	1.120	0.070	13.31	14.00	1.313	/
Left Hand Touched-Repeated	108/5540	802.11a	0.977	1.120	0.060	13.31	14.00	1.313	/
Left Hand Touched	100/5500	802.11a	0.836	0.918	0.040	13.15	14.00	1.116	
Left Hand Tilted 15°	104/5520	802.11a	0.660	0.950	-0.140	13.41	14.00	1.088	/

Left Hand Tilted 15°	108/5540	802.11a	0.731	0.916	0.050	13.31	14.00	1.074	/
Right Hand Touched	104/5520	802.11a	0.472	0.521	0.150	13.41	14.00	0.597	/
Right Hand Tilted 15°	104/5520	802.11a	0.432	/	0.010	13.41	14.00	/	/
5.8G U-NII-3 Band (802.11a)									
Left Hand Touched	165/5825	802.11a	0.566	0.711	0.020	14.22	15.00	0.851	/
Left Hand Tilted 15°	165/5825	802.11a	0.483	0.536	0.100	14.22	15.00	0.641	/
Right Hand Touched	165/5825	802.11a	0.282	/	0.040	14.22	15.00	/	/
Right Hand Tilted 15°	165/5825	802.11a	0.355	/	0.060	14.22	15.00	/	/
Tested at the worst position with battery 2#									
Left Hand Touched	64/5320	802.11a	0.963	1.100	0.040	14.45	15.50	1.401	/
Tested at the worst position with battery 3#									
Left Hand Touched	64/5320	802.11a	0.877	1.010	0.110	14.45	15.50	1.286	/
Additional SAR test(simultaneous transmission with 2G&3G&4G antenna)									
5.3G U-NII-2A Band (802.11a)									
Left Hand Touched	52/5260	802.11a	0.490	0.571	0.030	12.55	13.50	0.711	/
Left Hand Tilted 15°	52/5260	802.11a	0.423	0.529	0.150	12.55	13.50	0.658	/
Right Hand Touched	52/5260	802.11a	0.228	0.268	0.050	12.55	13.50	0.334	/
Right Hand Tilted 15°	52/5260	802.11a	0.228	0.233	0.040	12.55	13.50	0.290	/
5.5G U-NII-2C Band (802.11n 40M)									
Left Hand Touched	104/5520	802.11a	0.660	0.731	-0.120	11.54	12.00	0.813	/
Left Hand Touched	108/5540	802.11a	0.665	0.740	0.040	11.53	12.00	0.825	/
Left Hand Tilted 15°	104/5520	802.11a	0.587	0.646	0.010	11.54	12.00	0.718	/
Right Hand Touched	104/5520	802.11a	0.321	0.348	0.010	11.54	12.00	0.387	/
Right Hand Tilted 15°	104/5520	802.11a	0.281	0.306	0.070	11.54	12.00	0.340	/
5.8G U-NII-3 Band (802.11a)									
Left Hand Touched	165/5825	802.11a	0.334	0.395	-0.010	12.11	13.00	0.485	/
Left Hand Touched	165/5825	802.11a	0.306	0.372	-0.070	12.11	13.00	0.457	/
Right Hand Touched	165/5825	802.11a	0.165	0.185	0.010	12.11	13.00	0.227	/
Right Hand Tilted 15°	165/5825	802.11a	0.150	0.168	0.150	12.11	13.00	0.206	/

Table 252: Head SAR test results of WiFi 5G

Note: Per KDB248227D01, for Head SAR test of WiFi 5G:

1) For the full power level scenario,

a) The 802.11a mode is selected as Initial Test Configuration for SAR test according to the specified maximum output power. As the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR test for the other 802.11 modes are not required.

b) For WiFi 5G U-NII-1 and U-NII-2A bands, as the same maximum output power is specified for the bands, begin SAR measurement in the U-NII-2A band by applying the OFDM SAR requirements. As the highest *reported* SAR is > 1.2 W/kg, SAR is required for the U-NII-1 band.

2) For additional simultaneous transmission power reduction scenario,

a) The 802.11a mode is selected as Initial Test Configuration for SAR test according to the specified maximum output power. As the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR test for the other 802.11 modes are not required.

b) For WiFi 5G U-NII-1 and U-NII-2A bands, as 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 is < 1.2 W/kg, SAR is not required for the U-NII-1 band.

Test Position of Body-Worn with 15mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g Area Scan	1-g Zoom Scan					
Test data with battery 1#									
5.3G U-NII-2A band (802.11a)									
Front Side	52/5260	802.11a	0.067	0.070	0.030	14.63	15.50	0.085	/
Back Side	52/5260	802.11a	0.052	/	0.030	14.63	15.50	/	/
5.5G U-NII-2C band (802.11a)									
Front Side	104/5520	802.11a	0.125	0.128	-0.070	13.41	14.00	0.147	/
Back Side	104/5520	802.11a	0.075	/	0.180	13.41	14.00	/	/
5.8G U-NII-3 band (802.11a)									
Front Side	165/5825	802.11a	0.071	0.069	0.150	14.22	15.00	0.082	/
Back Side	165/5825	802.11a	0.047	/	0.060	14.22	15.00	/	/
Tested at the worst position with battery 2#									
Front Side	104/5520	802.11a	0.100	0.100	0.140	13.41	14.00	0.115	/
Tested at the worst position with battery 3#									
Front Side	104/5520	802.11a	0.090	0.093	-0.070	13.41	14.00	0.106	/

Table 253: Body-Worn SAR test results of WiFi 5G

Note: Per KDB248227D01, for Body-Worn SAR test of WiFi 5G:

- 1) The 802.11a mode is selected as Initial Test Configuration for SAR test according to the specified maximum output power. As the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR test for the other 802.11 modes are not required.
- 2) For WiFi 5G U-NII-1 and U-NII-2A bands, as 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 is < 1.2 W/kg, SAR is not required for the U-NII-1 band.

Test Position of Hotspot with 10mm	Test channel / Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR _{1-g} (W/kg)	Ant Tuning State
			1-g Area Scan	1-g Zoom Scan					
Test data with battery 1#									
5.2G U-NII-1 band (802.11a)									
Front Side	40/5200	802.11a	0.107	/	0.070	14.62	15.50	/	/
Back Side	40/5200	802.11a	0.079	/	0.090	14.62	15.50	/	/
Right Side	40/5200	802.11a	0.133	0.142	0.050	14.62	15.50	0.174	/
Top Side	40/5200	802.11a	0.045	/	-0.050	14.62	15.50	/	/
5.8G U-NII-3 band (802.11a)									
Front Side	165/5825	802.11a	0.113	0.105	0.090	14.22	15.00	0.126	/
Back Side	165/5825	802.11a	0.074	/	-0.010	14.22	15.00	/	/
Right Side	165/5825	802.11a	0.101	/	0.140	14.22	15.00	/	/
Top Side	165/5825	802.11a	0.046	/	-0.080	14.22	15.00	/	/
Tested at the worst position with battery 2#									
Right Side	40/5200	802.11a	0.122	0.133	0.130	14.62	15.50	0.163	/
Tested at the worst position with battery 3#									
Right Side	40/5200	802.11a	0.139	0.146	0.180	14.62	15.50	0.179	/

Table 254: Hotspot SAR test results of WiFi 5G(5.2G&5.8G)

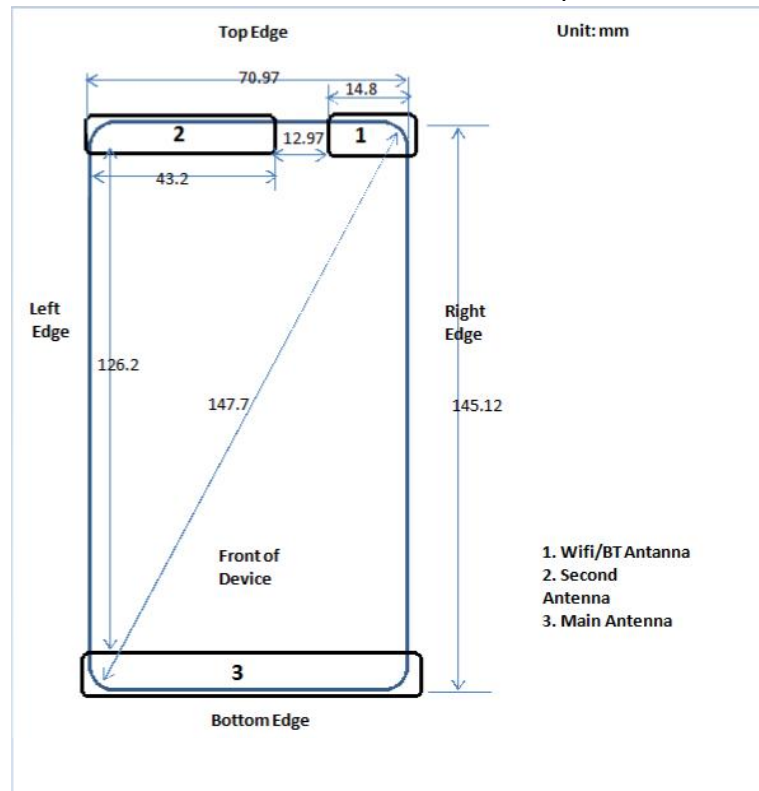
Note : For Hotspot SAR test of WiFi 5G:

- 1) As WiFi 5G hotspot is only supported for U-NII-1(5.2G) and U-NII-3 (5.8G) bands, therefore U-NII-2A (5.3G) and U-NII-2C(5.5G) were not evaluated for hotspot condition.
- 2) For U-NII-1(5.2G) and U-NII-3 (5.8G) bands, the 802.11a mode is selected as Initial Test Configuration for SAR test according to the specified maximum output power. As the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR test for the other 802.11 modes are not required.

7.3 Multiple Transmitter Evaluation

The following tables list information which is relevant for the decision if a simultaneous transmit evaluation is necessary according to FCC KDB 447498D01 General RF Exposure Guidance v06.

The location of the antennas inside the device is shown as below picture:



Note:

1) The device has two 2G/3G/4G Tx antennas (Main Antenna and Second Antenna). It can transmit from either Main Antenna or Second Antenna. The Main Antenna and Second Antenna can also transmit simultaneously only when two SIM cards work at the same time by using different modems. Main modem can support 2G/3G/4G. Second modem only supports 2G and can only be used for SIM2.

2) Per KDB 941225 D06, particular DUT edges were not required to be evaluated for Hotspot SAR if the antenna-to-edge distance is greater than 2.5cm.

Mode	Exposure Condition	Front Side	Back Side	Left Side	Right Side	Top Side	Bottom Side
Main antenna	Hotspot	Yes	Yes	Yes	Yes	No	Yes
Second antenna	Hotspot	Yes	Yes	Yes	No	Yes	No
WiFi/BT antenna	Hotspot	Yes	Yes	No	Yes	Yes	No

Table 255: Sides for Hotspot SAR testing

7.3.1 Stand-alone SAR test exclusion

Per FCC KDB 447498D01v06:

1) the 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Mode	Position	P_{max} (dBm)*	P_{max} (mW)	Distance (mm)	f (GHz)	Calculation Result	SAR Exclusion threshold	SAR test exclusion
BT	Body-Worn	13.00	19.95	15	2.450	2.08	3.00	Yes

Table 256: Standalone SAR test exclusion for BT

Note:

- 1)* - maximum possible output power declared by manufacturer
- 2) Held to ear configurations are not applicable to Bluetooth for this device.

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

$(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm}) \cdot [\sqrt{f(\text{GHz})/x}] \text{ W/kg}$ for test separation distances ≤ 50 mm, where $x = 7.5$ for 1-g SAR and $x = 18.75$ for 10-g SAR.

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

Mode	Position	P_{max} (dBm)*	P_{max} (mW)	Distance (mm)	f (GHz)	X	Estimated SAR (W/Kg)*
BT	Body-worn	13.00	19.95	15	2.450	7.50	0.278

Table 257: Estimated SAR calculation for BT

Note:

- 1) * - maximum possible output power declared by manufacturer
- 2) Held to ear configurations are not applicable to Bluetooth and therefore were not considered for simultaneous transmission.

7.3.2 Simultaneous Transmission Possibilities

The Simultaneous Transmission Possibilities of this device are as below:

NO.	Simultaneous Tx Combination	Head	Body-worn	Hotspot
1	GSM Voice(Second Antenna) + UMTS Data(Main Antenna)	Yes	Yes	Yes
2	GSM Voice(Second Antenna) + UMTS Voice(Main Antenna)	Yes	Yes	N/A
3	GSM Voice (Second Antenna)+ LTE DATA(Main Antenna)	Yes*	Yes*	Yes
4	GSM DATA(Second Antenna) + LTE DATA(Main Antenna)	Yes*	Yes*	N/A
5	GSM Voice(Second Antenna) + GSM Voice(Main Antenna)	Yes	Yes	N/A
6	GSM Voice (Second Antenna) + GSM Data(Main Antenna)	Yes	Yes	Yes
7	GSM Data(Second Antenna) + UMTS Voice(Main Antenna)	Yes	Yes	Yes
8	GSM Data(Second Antenna) + GSM Voice(Main Antenna)	Yes	Yes	Yes
9	GSM Voice(Main Antenna) + UMTS Data(Second Antenna)	Yes	Yes	Yes
10	GSM Voice(Main Antenna)+ UMTS Voice(Second Antenna)	Yes	Yes	N/A
11	GSM Data(Main Antenna)+ UMTS Voice(Second Antenna)	Yes	Yes	Yes
12	GSM Voice(Main Antenna)+ LTE Data(Second Antenna)	Yes*	Yes*	Yes
13	GSM DATA(Main Antenna) + LTE Data(Second Antenna)	Yes*	Yes*	N/A
14	GSM Voice(Main Antenna) + BT	N/A	Yes	N/A
15	GSM DATA(Main Antenna) + BT	N/A	Yes	N/A
16	GSM Voice(Second Antenna) + BT	N/A	Yes	N/A
17	GSM DATA (Second Antenna)+ BT	N/A	Yes	N/A
18	GSM Voice(Main Antenna) + WiFi	Yes	Yes	N/A
19	GSM DATA(Main Antenna) + WiFi	N/A	Yes	Yes
20	GSM Voice(Second Antenna) + WiFi	Yes	Yes	N/A
21	GSM DATA(Second Antenna) + WiFi	N/A	Yes	Yes
22	UMTS Voice(Main Antenna) + BT	N/A	Yes	N/A
23	UMTS Data(Main Antenna) + BT	N/A	Yes	N/A
24	UMTS Voice(Second Antenna) + BT	N/A	Yes	N/A
25	UMTS Data(Second Antenna) + BT	N/A	Yes	N/A
26	UMTS Voice(Main Antenna) + WiFi	Yes	Yes	N/A
27	UMTS Data (Main Antenna) + WiFi	N/A	Yes	Yes
28	UMTS Voice (Second Antenna) + WiFi	Yes	Yes	N/A
29	UMTS Data (Second Antenna)+ WiFi	N/A	Yes	Yes
30	LTE Data(Main Antenna) + WiFi	Yes	Yes*	Yes
31	LTE Data(Main Antenna) + BT	N/A	Yes*	N/A
32	LTE Data(Second Antenna) + WiFi	Yes	Yes	Yes
33	LTE Data(Second Antenna) + BT	N/A	Yes*	N/A
34	GSM Voice(Second Antenna)+ UMTS Data(Main Antenna) + BT	N/A	Yes	N/A
35	GSM Voice(Second Antenna)+ UMTS Voice(Main Antenna) + BT	N/A	Yes	N/A
36	GSM Voice(Second Antenna) + LTE DATA(Main Antenna) + BT	N/A	Yes*	N/A
37	GSM Voice(Second Antenna) + GSM Voice(Main Antenna) + BT	N/A	Yes	N/A
38	GSM Voice(Second Antenna) + GSM Data(Main Antenna) + BT	N/A	Yes	N/A
39	GSM Data(Second Antenna) + WCDMA Voice(Main Antenna) + BT	N/A	Yes	N/A
40	GSM Data(Second Antenna) + GSM Voice(Main Antenna) + BT	N/A	Yes	N/A
41	GSM DATA(Second Antenna) + LTE DATA(Main Antenna) + BT	N/A	Yes*	N/A
42	GSM Voice(Main Antenna) + WCDMA Data(Second Antenna) + BT	N/A	Yes	N/A
43	GSM Voice(Main Antenna) + WCDMA Voice(Second Antenna) + BT	N/A	Yes	N/A

NO.	Simultaneous Tx Combination	Head	Body-worn	Hotspot
44	GSM Data(Main Antenna) + WCDMA Voice(Second Antenna) + BT	N/A	Yes	N/A
45	GSM Voice(Main Antenna) + LTE Data(Second Antenna) + BT	N/A	Yes*	N/A
46	GSM DATA(Main Antenna) + LTE Data(Second Antenna) + BT	N/A	Yes*	N/A
47	GSM Voice(Second Antenna) + WCDMA Data(Main Antenna) +WiFi	Yes	Yes	Yes
48	GSM Voice(Second Antenna) + WCDMA Voice(Main Antenna) +WiFi	Yes	Yes	N/A
49	GSM Voice(Second Antenna) + LTE DATA(Main Antenna) +WiFi	Yes*	Yes*	Yes
50	GSM Voice(Second Antenna) + GSM Voice(Main Antenna) +WiFi	Yes	Yes	N/A
51	GSM Voice(Second Antenna) + GSM Data(Main Antenna) +WiFi	Yes	Yes	Yes
52	GSM Data(Second Antenna) + WCDMA Voice(Main Antenna) +WiFi	Yes	Yes	Yes
53	GSM Data (Second Antenna) + GSM Voice(Main Antenna) +WiFi	Yes	Yes	Yes
54	GSM DATA(Second Antenna) + LTE DATA(Main Antenna) +WiFi	Yes	Yes	N/A
55	GSM Voice(Main Antenna) + WCDMA Data(Second Antenna) +WiFi	Yes	Yes	Yes
56	GSM Voice(Main Antenna)+ WCDMA Voice(Second Antenna) +WiFi	Yes	Yes	N/A
57	GSM Data(Main Antenna)+ WCDMA Voice(Second Antenna) +WiFi	Yes	Yes	Yes
58	GSM Voice(Main Antenna)+ LTE Data(Second Antenna) +WiFi	Yes*	Yes*	Yes
59	GSM DATA(Main Antenna) + LTE Data(Second Antenna) + BT	N/A	Yes*	N/A

Table 258: Simultaneous Transmission Possibilities

Note:

- 1) WiFi 2.4G and WiFi 5G can't transmit simutanously.
- 2) WiFi 2.4G/5G and BT can't transmit simutanously.
- 3) WiFi 5G hotspot is only supported for U-NII-1 and U-NII-3 bands, therefore U-NII-2A and U-NII-2C were not evaluated for hotspot condition.
- 4) The device does not support GSM DTM function.
- 5) Held to ear configurations are not applicable to Bluetooth for this device.
- 6)* VOIP 3rd party applications may possibly be installed and used by the user.
- 7) The Main Antenna and Second Antenna can also transmit simultaneously only when two SIM cards work at the same time by using different modems. Main modem can support GSM/UMTS/LTE. Second modem only supports GSM and can only be used for SIM2.

7.3.3 SAR Summation Scenario

The yellow color SAR test data in the following summed SAR tables represent that the additional SAR test results in simultaneous transmission fixed power reduction scenario are used to ensure simultaneous transmission SAR test exclusion. For the other SAR test data in the summed SAR tables, the more conservative SAR test results at the maximum output power level without any simultaneous transmission power reduction are used.

Test Position		Main antenna (Main Modem) SARMax														Second antenna SARMax (Second Modem)		WiFi/BT antenna SARMax			ΣSAR (1.6W/kg Limit for1g)	SPLSR
		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	GSM850	GSM1900	WiFi 2.4G	WiFi 5G	BT		
Head	Left Hand Touched	0.243	0.240	0.377	0.347	0.250	0.281	0.440	0.229	0.274	0.101	0.113	0.208	0.373	0.390	0.283	0.328	0.743	0.825	/	1.593	N/A
	Left Hand Tilted 15°	0.185	0.169	0.246	0.280	0.191	0.167	0.288	0.141	0.118	0.059	0.097	0.188	0.071	0.057	0.413	0.432	0.722	0.718	/	1.442	N/A
	Right Hand Touched	0.371	0.327	0.225	0.313	0.377	0.235	0.444	0.337	0.377	0.144	0.142	0.362	0.245	0.200	0.655	0.697	0.182	0.387	/	1.528	N/A
	Right Hand Tilted 15°	0.151	0.135	0.196	0.178	0.154	0.132	0.222	0.146	0.209	0.069	0.090	0.165	0.142	0.098	0.544	0.932	0.329	0.340	/	1.494	N/A
Body-worn	Front	0.207	0.212	0.349	0.277	0.324	0.431	0.354	0.220	0.234	0.135	0.115	0.244	0.108	0.079	0.199	0.127	0.132	0.147	0.278	0.908	N/A
	Back side	0.241	0.372	0.590	0.384	0.340	0.609	0.548	0.248	0.325	0.181	0.198	0.309	0.201	0.151	0.250	0.157	0.132	0.147	0.278	1.137	N/A
Hotspot 10mm	Front	0.290	0.547	0.477	0.560	0.329	0.351	0.550	0.263	0.211	0.150	0.186	0.264	0.205	0.142	0.356	0.366	0.328	0.179	/	1.254	N/A
	Back side	0.432	0.525	0.761	0.734	0.457	0.705	0.626	0.362	0.457	0.249	0.274	0.377	0.287	0.267	0.485	0.377	0.215	0.179	/	1.461	N/A
	Left side	0.107	0.016	0.058	0.048	0.153	0.017	0.070	0.165	0.186	0.079	0.097	0.105	0.159	0.142	0.360	0.590	/	/	/	0.776	N/A
	Right	0.445	0.412	0.347	0.292	0.559	0.239	0.242	0.403	0.172	0.182	0.234	0.451	0.067	0.072	/	/	0.328	0.179	/	0.887	N/A
	Top side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.287	0.405	0.328	0.179	/	0.733	N/A
	Bottom side	0.188	0.688	0.557	0.416	0.194	0.392	0.195	0.169	0.219	0.062	0.083	0.185	0.138	0.125	/	/	/	/	/	0.688	N/A

Table 259: SAR Simultaneous Tx Combination of Main antenna Main Modem + Second antenna Second Modem + WiFi/BT.

Test Position		Second antenna (Main Modem) SAR _{Max}														Main antenna SARMax (Second Modem)		WiFi/BT antenna SARMax			ΣSAR (1.6W/kg Limit for1g)	SPLSR
		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	GSM850	GSM1900	WiFi 2.4G	WiFi 5G	BT		
Head	Left Hand Touched	0.604	0.403	0.339	0.523	0.447	0.262	0.417	0.610	0.343	0.443	0.397	0.298	0.339	0.318	0.148	0.137	0.743	0.825	/	1.583	N/A
	Left Hand Tilted 15°	0.556	0.310	0.259	0.515	0.396	0.195	0.376	0.614	0.247	0.559	0.609	0.529	0.301	0.269	0.141	0.071	0.722	0.718	/	1.477	N/A
	Right Hand Touched	0.850	0.737	1.020	0.698	0.772	1.025	0.533	0.991	0.989	0.788	0.708	0.698	0.958	0.669	0.182	0.112	0.182	0.387	/	1.594	N/A
	Right Hand Tilted 15°	0.797	0.709	0.602	0.482	0.570	0.486	0.757	0.859	0.854	0.711	0.663	1.045	1.074	1.096	0.118	0.057	0.329	0.340	/	1.554	N/A
Body-worn	Front	0.193	0.140	0.101	0.133	0.169	0.074	0.172	0.158	0.119	0.149	0.153	0.112	0.137	0.111	0.296	0.072	0.132	0.147	0.278	0.767	N/A
	Back side	0.263	0.157	0.121	0.169	0.209	0.084	0.200	0.207	0.115	0.176	0.221	0.151	0.151	0.126	0.344	0.107	0.132	0.147	0.278	0.885	N/A
Hotspot 10mm	Front	0.397	0.245	0.173	0.299	0.422	0.091	0.353	0.344	0.389	0.280	0.357	0.238	0.250	0.193	0.303	0.229	0.328	0.179	/	1.053	N/A
	Back side	0.496	0.283	0.202	0.419	0.560	0.125	0.503	0.378	0.485	0.468	0.464	0.295	0.254	0.215	0.386	0.328	0.215	0.179	/	1.161	N/A
	Left side	0.404	0.326	0.231	0.398	0.438	0.175	0.340	0.329	0.394	0.203	0.233	0.237	0.306	0.261	0.490	0.123	/	/	/	0.928	N/A
	Right	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.220	0.115	0.328	0.179	/	0.548	N/A
	Top side	0.318	0.230	0.166	0.532	0.353	0.118	0.478	0.282	0.170	0.266	0.276	0.195	0.133	0.102	/	/	0.328	0.179	/	0.860	N/A
	Bottom side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.125	0.097	/	/	/	0.125	N/A

Table 260: SAR Simultaneous Tx Combination of Second antenna Main Modem + Main antenna Second Modem + WiFi/BT.

Test Position		Main antenna SAR _{Wmax} (Main Modem)														Second antenna SAR _{Max} (Second Modem)		Σ1-g SAR (1.6W/kg Limit)	SPLSR
		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	GSM850	GSM1900		
Head	Left Hand Touched	0.243	0.240	0.377	0.347	0.250	0.281	0.440	0.229	0.567	0.101	0.113	0.208	0.509	0.390	0.283	0.510	1.077	N/A
	Left Hand Tilted 15°	0.185	0.169	0.246	0.280	0.191	0.167	0.288	0.141	0.118	0.059	0.097	0.188	0.071	0.057	0.413	0.432	0.720	N/A
	Right Hand Touched	0.371	0.501	0.708	0.661	0.377	0.720	0.514	0.337	0.377	0.144	0.142	0.362	0.245	0.200	0.655	0.735	1.455	N/A
	Right Hand Tilted 15°	0.151	0.135	0.196	0.178	0.154	0.132	0.222	0.146	0.209	0.069	0.090	0.165	0.142	0.098	0.544	0.932	1.154	N/A
Body-worn	Front	0.207	0.230	0.349	0.277	0.324	0.431	0.354	0.220	0.234	0.135	0.115	0.244	0.108	0.079	0.199	0.127	0.630	N/A
	Back side	0.241	0.372	0.590	0.384	0.340	0.609	0.548	0.248	0.325	0.181	0.198	0.309	0.201	0.151	0.250	0.157	0.859	N/A
Hotspot 10mm	Front	0.290	0.547	0.477	0.560	0.329	0.351	0.550	0.263	0.211	0.150	0.186	0.264	0.205	0.142	0.356	0.366	0.926	N/A
	Back side	0.432	0.981	0.761	0.734	0.457	0.705	0.912	0.362	0.457	0.249	0.274	0.377	0.287	0.267	0.485	0.377	1.466	N/A
	Left side	0.107	0.016	0.058	0.048	0.153	0.047	0.070	0.165	0.186	0.079	0.097	0.105	0.159	0.142	0.360	0.590	0.776	N/A
	Right	0.445	0.412	0.347	0.292	0.559	0.239	0.242	0.403	0.172	0.182	0.234	0.451	0.067	0.072	/	/	0.559	N/A
	Top side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.287	0.405	0.405	N/A
	Bottom side	0.188	0.688	0.557	0.416	0.194	0.392	0.195	0.169	0.219	0.062	0.083	0.185	0.138	0.125	/	/	0.688	N/A

Table 261: SAR Simultaneous Tx Combination of Main antenna Main Modem + Second antenna Second Modem.

Test Position		Second antenna SAR _{Wmax} (Main Modem)														Main antenna SAR _{Max} (Second Modem)		Σ1-g SAR (1.6W/kg Limit)	SPLSR
		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	GSM850	GSM1900		
Head	Left Hand Touched	0.927	0.403	0.339	0.548	0.903	0.262	0.417	0.968	0.343	0.625	0.681	0.615	0.339	0.318	0.227	0.137	1.195	N/A
	Left Hand Tilted 15°	0.894	0.310	0.259	0.539	0.837	0.195	0.376	0.848	0.247	0.559	0.609	0.529	0.301	0.269	0.141	0.071	1.035	N/A
	Right Hand Touched	1.142	1.165	1.020	1.301	1.266	1.025	1.044	1.105	1.210	1.202	1.410	1.238	1.054	1.280	0.182	0.112	1.592	N/A
	Right Hand Tilted 15°	1.289	0.709	0.602	1.140	1.140	0.486	0.757	1.155	1.073	1.216	1.259	1.045	1.074	1.096	0.118	0.057	1.407	N/A
Body-worn	Front	0.193	0.140	0.101	0.139	0.139	0.074	0.172	0.158	0.119	0.149	0.153	0.112	0.137	0.111	0.296	0.072	0.489	N/A
	Back side	0.263	0.157	0.121	0.177	0.209	0.084	0.200	0.207	0.115	0.176	0.221	0.151	0.151	0.126	0.344	0.107	0.607	N/A
Hotspot 10mm	Front	0.397	0.245	0.173	0.299	0.422	0.091	0.353	0.344	0.389	0.280	0.357	0.238	0.250	0.193	0.303	0.229	0.725	N/A
	Back side	0.496	0.283	0.202	0.419	0.560	0.125	0.503	0.378	0.485	0.468	0.464	0.295	0.254	0.215	0.386	0.328	0.946	N/A
	Left side	0.404	0.326	0.231	0.398	0.438	0.174	0.340	0.329	0.394	0.203	0.233	0.237	0.306	0.261	0.490	0.123	0.928	N/A
	Right	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.220	0.115	0.220	N/A
	Top side	0.318	0.230	0.166	0.532	0.353	0.118	0.478	0.282	0.170	0.266	0.276	0.195	0.133	0.102	/	/	0.532	N/A
	Bottom side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.125	0.097	0.125	N/A

Table 262: SAR Simultaneous Tx Combination of Second antenna Main Modem and Main antenna Second Modem.

Test Position		Main antenna SAR _{Max} (Main Modem)														WiFi/BT antenna SAR _{Max}			Σ1-g SAR (1.6W/kg Limit)	SPLSR
		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	WiFi 2.4G	WiFi 5G	BT		
Head	Left Hand Touched	0.243	0.240	0.377	0.347	0.250	0.281	0.440	0.229	0.567	0.101	0.113	0.208	0.509	0.390	0.743	0.825	/	1.392	N/A
	Left Hand Tilted 15°	0.185	0.169	0.246	0.280	0.191	0.167	0.288	0.141	0.118	0.059	0.097	0.188	0.071	0.057	0.722	0.718	/	1.010	N/A
	Right Hand Touched	0.371	0.501	0.708	0.661	0.377	0.720	0.901	0.337	0.377	0.144	0.142	0.362	0.245	0.200	0.304	0.387	/	1.288	N/A
	Right Hand Tilted 15°	0.151	0.135	0.196	0.178	0.154	0.132	0.222	0.146	0.209	0.069	0.090	0.165	0.142	0.098	0.329	0.340	/	0.562	N/A
Body- worn	Front	0.207	0.230	0.349	0.277	0.324	0.431	0.354	0.220	0.234	0.135	0.115	0.244	0.108	0.079	0.132	0.147	0.278	0.709	N/A
	Back side	0.241	0.372	0.590	0.384	0.340	0.609	0.548	0.248	0.325	0.181	0.198	0.309	0.201	0.151	0.132	0.147	0.278	0.887	N/A
Hotspot 10mm	Front	0.290	0.547	0.477	0.560	0.329	0.351	0.550	0.263	0.211	0.150	0.186	0.264	0.205	0.142	0.328	0.179	/	0.888	N/A
	Back side	0.432	0.981	0.761	0.734	0.457	0.705	0.912	0.362	0.457	0.249	0.274	0.377	0.287	0.267	0.215	0.179	/	1.196	N/A
	Left side	0.107	0.016	0.058	0.048	0.153	0.047	0.070	0.165	0.186	0.079	0.097	0.105	0.159	0.142	/	/	/	0.186	N/A
	Right	0.445	0.412	0.347	0.292	0.559	0.239	0.242	0.403	0.172	0.182	0.234	0.451	0.067	0.072	0.328	0.179	/	0.887	N/A
	Top side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.328	0.179	/	0.328	N/A
	Bottom side	0.188	0.688	0.557	0.416	0.194	0.392	0.195	0.169	0.219	0.062	0.083	0.185	0.138	0.125	/	/	/	0.688	N/A

Table 263: SAR Simultaneous Tx Combination of Main antenna Main Modem + WiFi/BT.

Test Position		Second antenna SAR _{Max} (Main Modem)														WiFi/BT antenna SAR _{Max}			Σ1-g SAR (1.6W/kg Limit)	SPLSR
		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	WiFi 2.4G	WiFi 5G	BT		
Head	Left Hand Touched	0.604	0.403	0.339	0.548	0.447	0.262	0.417	0.610	0.343	0.625	0.681	0.615	0.339	0.318	0.743	0.825	/	1.506	N/A
	Left Hand Tilted 15°	0.556	0.310	0.259	0.539	0.396	0.195	0.376	0.848	0.247	0.559	0.609	0.529	0.301	0.269	0.722	0.718	/	1.570	N/A
	Right Hand Touched	0.840	1.165	1.020	0.698	0.772	1.025	0.533	0.991	0.989	0.788	0.708	0.698	1.054	0.669	0.304	0.387	/	1.552	N/A
	Right Hand Tilted 15°	0.797	0.709	0.602	1.140	1.227	0.486	0.757	1.155	1.073	1.216	0.663	1.045	1.074	1.096	0.329	0.340	/	1.567	N/A
Body 15mm	Front	0.193	0.140	0.101	0.139	0.184	0.074	0.172	0.158	0.119	0.149	0.153	0.112	0.137	0.111	0.132	0.147	0.278	0.340	N/A
	Back side	0.263	0.157	0.121	0.177	0.227	0.084	0.200	0.207	0.115	0.176	0.221	0.151	0.151	0.126	0.132	0.147	0.278	0.410	N/A
Hotspot 10mm	Front	0.397	0.245	0.173	0.299	0.422	0.091	0.353	0.344	0.389	0.280	0.357	0.238	0.250	0.193	0.328	0.179	/	0.750	N/A
	Back side	0.496	0.283	0.202	0.419	0.560	0.125	0.503	0.378	0.485	0.468	0.464	0.295	0.254	0.215	0.215	0.179	/	0.775	N/A
	Left side	0.404	0.326	0.231	0.398	0.438	0.174	0.340	0.329	0.394	0.203	0.233	0.237	0.306	0.261	/	/	/	0.438	N/A
	Right	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.328	0.179	/	0.328	N/A
	Top side	0.318	0.230	0.166	0.532	0.353	0.118	0.478	0.282	0.170	0.266	0.276	0.195	0.133	0.102	0.328	0.179	/	0.860	N/A
	Bottom side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000	N/A

Table 264: SAR Simultaneous Tx Combination of Second antenna Main Modem + WiFi/BT.

7.3.4 Simultaneous Transmission Conclusion

The above numeral summed SAR results and/or SPLSR analysis is sufficient to determine that simultaneous transmission cases will not exceed the SAR limit and therefore simultaneous transmission SAR with Volume Scans is not required per KDB 447498 D01v06.

Appendix A. System Check Plots
(Pls See Appendix A.)

Appendix B. SAR Measurement Plots
(Pls See Appendix B.)

Appendix C. Calibration Certificate
(Pls See Appendix C.)

Appendix D. Photo documentation
(Pls See Appendix D.)

End