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FCC SAR TEST REPORT





E5/2018/C0051 **Report No:**

Huawei Technologies Co., Ltd. Applicant: Huawei Technologies Co., Ltd. Manufacturer: Huawei Technologies Co., Ltd. Factory:

Product Name: Smart Phone Model No.(EUT): CLT-L29 Trade Mark: **HUAWEI** FCC ID: QISCLT-L29

Standards: FCC 47CFR §2.1093

Date of Receipt: 2018-12-05

Date of Test: 2018-12-15 to 2018-12-27

Date of Issue: 2019-1-07 Test conclusion: PASS *

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

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

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Signed on behalf of SGS

Sr. Engineer

Naty Kno John Yeh

Date: Jan.07, 2019 Date: Jan.07, 2019

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SGS Taiwan Ltd.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

Asst. Manager

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REVISION HISTORY

Revision Record									
Version Chapter Date Modifier Remark									
01		2019-1-07		Original					

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TEST SUMMARY

	•	Maximum Danasta	d CAD(\A//\ca\		
Frequency Band		Maximum Reporte	d SAR(W/kg)		
Troquonoy Bana	Head	Body-worn	Hotspot	Product specific 10g SAR	
GSM850	0.86	0.61	0.91	/	
GSM1900	0.80	0.40	0.90	2.67	
WCDMA Band II	0.93	0.62	0.86	2.32	
WCDMA Band IV	0.78	0.50	0.60	2.53	
WCDMA Band V	0.70	0.50	0.73	1	
LTE Band 2	0.79	0.61	0.90	2.42	
LTE Band 4	0.98	0.52	0.59	3.22	
LTE Band 5	0.91	0.42	0.59	/	
LTE Band 7	0.51	0.45	0.75	1.46	
LTE Band 12	1.03	0.30	0.38	/	
LTE Band 17	0.99	0.28	0.39	/	
LTE Band 26	0.77	0.36	0.55	/	
LTE Band 38	0.53	0.23	0.70	1	
LTE Band 41	0.58	0.25	0.55	1	
WI-FI (2.4GHz)	0.76	0.20	0.79		
WI-FI (5GHz)	0.52	0.24	0.70	1.43	
Bluetooth	0.14	<0.10	<0.10	1	
SAR Limited(W/kg)		1.6		4.0	
	Maximum Sim	nultaneous Transmission	SAR (W/kg)		
Scenario	Head	Body-worn	Hotspot	Product specific 10g SAR	
Sum SAR	1.57	1.01	1.57	3.22	
SPLSR	NA	NA	NA	NA	
SPLSR Limited		0.04		0.1	

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1 General Information

1.1 Details of Client

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

1.2 Test Location

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

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1.3 General Description of EUT

Device Type :	portable device				
Exposure Category:	uncontrolled environm	ent / general population			
Product Name:	Smart Phone				
Model No.(EUT):	CLT-L29				
FCC ID:	QISCLT-L29				
Trade Mark:	HUAWEI				
Product Phase:	production unit				
SN:	WCR0118409000076 WCR0118409000034	/WCR0118409000016/WCR /WCR0118409000005/WCR			
Hardware Version:	HL1CLTM				
Software Version:	CLT-L29 8.1.0.178(CS	900)			
Antenna Type:	Inner Antenna				
Device Operating Configurati					
Modulation Mode:		VCDMA: QPSK; LTE:QPSK, T: GFSK, π/4DQPSK,8DPSk			
Device Class:	В				
GPRS Multi-slots Class:	12	EGPRS Multi-slots Class:	12		
HSDPA UE Category:	14	HSUPA UE Category	6		
DC-HSDPA UE Category:	24				
LTE Release	13				
	4,tested with power le	vel 5(GSM850)			
Dawer Class	1,tested with power level 0(GSM1900)				
Power Class:	3, tested with power of	ested with power control "all 1"(WCDMA Band II/IV/V)			
	3, tested with power c	ontrol Max Power(LTE Band	2/4/5/7/12/17/26/38/41)		
	Band	Tx (MHz)	Rx (MHz)		
	GSM850	824 - 849	869 - 894		
Product Name: Model No.(EUT): FCC ID: Frade Mark: Product Phase: SN: Hardware Version: Antenna Type: Device Operating Configurati Modulation Mode: Device Class: GPRS Multi-slots Class: HSDPA UE Category: DC-HSDPA UE Category:	GSM1900	1850-1910	1930-1990		
	WCDMA Band V	824 - 849	869 - 894		
Model No.(EUT): FCC ID: Frade Mark: Product Phase: SN: Hardware Version: Antenna Type: Device Operating Configuration Modulation Mode: Device Class: GPRS Multi-slots Class: HSDPA UE Category: DC-HSDPA UE Category: TE Release Power Class:	WCDMA Band IV	1710–1755	2110–2155		
	WCDMA Band II	1850-1910	1930-1990		
	LTE Band 2	1850-1910	1930-1990		
	LTE Band 4	1710–1755	2110–2155		
	LTE Band 5	824 - 849	869 - 894		
Farancia Davida	LTE Band 7	2500-2570	2620-2690		
odulation Mode: evice Class: PRS Multi-slots Class: EDPA UE Category: C-HSDPA UE Category: E Release ewer Class:	LTE Band 12	699-716	729-746		
	LTE Band 17	704-716	734-746		
	LTE Band 26	814-849	859-894		
	LTE Band 38	2570-2620	2570-2620		
	LTE Band 41	2545-2655	2545-2655		
	Bluetooth	2400-2483.5	2400-2483.5		
	Wi-Fi 2.4G	2412-2462	2412-2462		
		5150-5350	5150-5350		
	Wi-Fi 5G	5470-5850	5470-5850		
	NFC	13.56	13.56		

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	Model: HB436486ECW	
Dattam: Information 14.	Rated capacity: 3900mAh	
Battery Information1#:	Battery Type: Rechargeable Li-ion Battery	
	Manufacturer: Desay Battery Co., Ltd.	
	Model: HB436486ECW	
Datta va Infarmatia volla	Rated capacity: 3900mAh	
Battery Information2#:	Battery Type: Rechargeable Li-ion Battery	
	Manufacturer: Sunwoda Electronic Co., LTD	
	Model: HB436486ECW	
Dattam, Information 2#	Rated capacity: 3900mAh	
Battery Information3#:	Battery Type: Rechargeable Li-ion Battery	
	Manufacturer: SCUD (FUJIAN) Electronics Co., Ltd	
Headset Information1#:	Model: MEND1632B729000	
neadset information i#.	Manufacturer: JIANGXI LIANCHUANG HONGSHENG ELECTRONIC CO., LTD	
Llaadaat Information 24	Model: 1331-3301-6001-TC-296	
Headset Information2#:	Manufacturer: BOLUO COUNTY QUANCHENG ELECTRONIC CO., LTD	
Headset Information3#:	Model: WINDY-C	
neauset informations#:	Manufacturer: Goer Tek Inc	
Handast Information 4#	Model: L99EP003-CS-H	
Headset Information4#:	Manufacturer: MERRY ELECTRONICS (SHENZHEN) CO., LTD.	

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Remark:

The mobile phone CLT-L29(NEW) and CLT-L29(BEFORE) are LTE/UMTS/GSM mobile phone with Bluetooth. The differences between CLT-L29(NEW) and CLT-L29(BEFORE) are showed in the following table. Other parts of the mobile phone are the same, including the appearance, the antenna, Chipset, Bluetooth mode,

Wifi mode, Adapter, Battery, and so on,

Wifi mode, Adapte	r, Battery, and so on.	
	CLT-L29(NEW)	CLT-L29(BEFORE)
GSM four bands	B2/B3/B5/B8	B2/B3/B5/B8
WCDMA bands	B1/2/4/5/6/8/19	B1/2/4/5/6/8/19
LTE bands	FDD LTE: B1/2/3/4/5/6/7/8/9/12/17/18/19/20/ B26/28/32 TDD LTE: B34/B38/39/40/41(110M,2545-2655)	FDD LTE: B1/2/3/4/5/6/7/8/9/12/17/18/19/20/ B26/28/32 TDD LTE: B34/B38/39/40/41(110M,2545- 2655)
FCC bands	GSM850/1900 WB2/B4/B5 LTE B2/4/5/B7/B12/B17/B26/38/B41	GSM850/1900 WB2/B4/B5 LTE B2/4/5/B7/B12/B17/B26/38/B41
Uplink CA	CA_2C/CA_7C/CA_38C/CA_41C	NA
SIM card	Two	Two
NFC	the same	the same
External camera	the same	the same
internal camera	the same	the same
FLASH	the same	the same
Mainboard	the same	the same
PCB layout	the same	the same
Appearance	the same	the same
Bluetooth mode	the same	the same
WLAN mode	the same	the same
BT/ WLAN antenna	the same	the same
GSM/ WCDMA /LTE antenna	the same	The same
SAR sensor	Delete Antenna Board bottom side U309 SAR sensor and the capacitances around, then move U302 SAR senor to U309	Antenna Board bottom side U309 has one SAR sensor and three capacitances around, U302 has one SAR senor
Adapter	the same	the same
Battery	the same	the same
Chipset	the same	the same
Memory	the same	the same
RF Parameter	The same RF Parameter in the same band	The same RF Parameter in the same band
Dimension	the same	the same
Main Frequency NV	The same NV in the same band	The same NV in the same band

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The difference between model CLT-L04 and model CLT -L29 is show in the below table:

		n model CL1-L04 and model CL1 -L29 is sho	
	Model	CLT-L04	CLT-L29
	LTE BAND	FCC Band: B2/B4/B5/B7/B12/B17/B26/B38/B40/B41 MIMO B4/B7	FCC Band: B2/B4/B5/B7/B12/B17/B26/B38/B40/B41 MIMO B3/B7 CA_2C, CA_7C, CA_38C, CA_41C
Licensed Frequency	UMTS BAND	B2/B5/B8	B2/B5/B8
		B2/B3 /B5/B8	B2/B3 /B5/B8
	IC	the same	the same
	Antenna	the same	the same
	NFC	the same	the same
	Bluetooth	the same	the same
Unlicensed	2.4G Wi-Fi	the same	the same
Frequency	IC	the same	the same
rrequericy		The power of B40 is different 4*4 MIMO B4/B7 support RX and TX	The power of B40 is different 4*4MIMO B3/B7 support RX and TX
	Ram / Rom	the same	the same
	Camera	the same	the same
	PCB	the same	the same
Hardware	USB Port	the same	the same
	SIM	Single	Dual
	Hardware version	the same	the same
RF	RF circuit	L3546/C3531/L3518/Z3502/L3530/C3532/L35 17/L3529/L3504/L3505/Z3501 /L3528/L3503 disable DNI,C3543/C3544 use DNI;U3401 use 47150479; The	47150585; C3543/C3544 disable DNI; C3531/L3518/Z3502/L3530/C3532/L3517/L35 29/L3504/L3505/Z3501/L3528/L3503 use DNI; 3、3545/L3544 disable DNI; hardware
		hardware channel of LTE B2/4/7(include CA band) is different	channel of B2/4/7(include CA band) is different
Appearance	Dimension		the same
, appearance		different	different
Accessory	Cnarger	the same	the same
Accessory		the same	the same
	Earphone	the same	the same

According to the difference description above, in this report, the GSM1900, WCDMA Band II/IV, LTE Band 2/4/7 of 0mm is all test, others is test at the worst case of the Original report E5/2018/C0055.

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1.3.1 DUT Antenna Locations

The test device is a mobile phone. The display diagonal dimension is 154mm and the overall diagonal dimension of this device is 165mm.

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

EUT Sides for SAR Testing								
Mode	Front	Back	Left	Right	Тор	Bottom		
Ant.1(Main Ant.)	Yes	Yes	Yes	Yes	No	Yes		
Ant.2(Second Ant.)	Yes	Yes	Yes	Yes	Yes	No		
Ant.3(5G WIFI2 Ant.)	Yes	Yes	Yes	No	Yes	No		
Ant.4(2.4G WIFI1,BT&5G WIFI1 Ant.)	Yes	Yes	No	Yes	Yes	No		
Ant.4(LTEB4/7 MIMO Ant.)	NA	NA	NA	NA	NA	NA		
Ant.5(2.4G WIFI2 Ant.)	Yes	Yes	Yes	No	Yes	No		
Ant.6(LTE B7 MIMO Ant.)	NA	NA	NA	NA	NA	NA		
Ant.7(LTE B4MIMO Ant.)	NA	NA	NA	NA	NA	NA		

Table 1: EUT Sides for SAR Testing

Note:

- 1) When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.
- 2) Main antenna(Ant1) and Secondary antenna(Ant.2) can't transmit simultaneously which will be chosen based on the RSSI. Only one antenna can be used for 2G/3G/4G transmission at a time. Ant.1, Ant.2, Ant.4, Ant.7 supports DL LTE 4*4 MIMO (Band LTE B4), Ant.1, Ant.2, Ant.4, Ant.6 supports DL LTE 4*4 MIMO (Band LTE B7).
- 3) Ant.4(LTEB4/7 MIMO Ant.), Ant.6(LTE B7 MIMO Ant.) and Ant.7(LTE B4MIMO Ant.) does not support TX function

1.3.1.1 Detailed DUT Antenna Locations

Please see the Appendix E

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1.3.2 Dynamic antenna switching specification

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

SAR test procedure for dynamic antenna switching is as below:

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

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1.3.3 Power reduction specification

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

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

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

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

- 2) This device uses a single fixed level of power reduction through static table look-up for SAR compliance and it is triggered by a single event or operation:
- a) A fixed level power reduction is applied for some frequency bands when hotspot mode becomes active. When the hotspot is disabled, the power value will be recovered.
- b) A fixed level power reduction is applied for some frequency bands when simultaneously transmitting with the other antennas in certain simultaneous transmission conditions. The standalone SAR compliance still uses the standalone SAR results tested at the maximum output power level without any power reduction.
- c) A fixed level power reduction is applied for some frequency bands when capacitive proximity sensor mode becomes active to ensure body SAR compliance.

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

			Se	cond ante	nna Powe	er Reduc	ction Lev	el Amo	unt (dBr	n)				
Power Reduction			WCDMA				LTE	LTE	LTE	LTE	LTE	LTE	LTE	LTE
Scenario	850	1900	Band 2	Band 4	Band 5	Band 2	Band 4	Band 5	Band 7	Band 12	Band 17	Band 26	Band 38	Band 41
Receiver on (left head)	3.0	3.0	5.5	3.5	4.0	4.5	3.0	2.0	7.5	1.6	1.7	2.5	4.5	4.0
Receiver on (right head)	3.0	4.0	6.5	5.0	4.0	6.0	5.0	2.5	11.0	2.0	2.5	2.5	8.5	8.0
Receiver on(unknown)	3.0	4.0	6.5	5.0	4.0	6.0	5.0	2.5	11.0	2.0	2.5	2.5	8.5	8.0
Receiver off(body)	3.0	4.0	1.0	1.0	0.0	1.0	0.5	0.0	3.5	0.0	0.0	0.0	2.5	2.5
Receiver on(left head)+WiFi on	6.0	6.0	9.0	6.5	7.0	7.5	6.0	5.0	9.0	4.6	4.7	5.5	7.5	7.0
Receiver on (right head)+WiFi on	6.0	7.0	10.0	8.0	7.0	9.0	8.0	5.5	12.5	5.0	5.5	5.5	11.5	11.0
Receiver on(unknown)+WiFi on	6.0	7.0	10.0	8.0	7.0	9.0	8.0	5.5	12.5	5.0	5.5	5.5	11.5	11.0
Receiver off(body)+WiFi on	6.0	7.0	4.5	4.0	3.0	4.0	3.5	3.0	5.0	3.0	3.0	3.0	5.5	5.5

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Main antenna Powe	r Reduction Le	evel Amour	nt (dBm)					
Power Reduction Scenario	GSM1900	WCDMA Band 2	WCDMA Band 4	LTE Band 2	LTE Band 4	LTE Band 7	LTE Band 38	LTE Band 41
Receiver on(head)+SAR sensor off	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Receiver off+SAR Sensor on Level D0+wifi hotspot off	1.0	3.0	2.0	2.5	2.0	3.0	0.5	0.0
Receiver off+SAR Sensor on Level D1+wifi hotspot off	1.0	3.0	2.0	2.5	2.0	1.0	0.0	0.0
Receiver off+SAR Sensor on Level D2&D3+wifi hotspot off	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Receiver off+SAR Sensor off+wifi hotspot on	3.0	5.0	5.0	5.0	5.5	4.0	1.0	2.5
Receiver off+SAR Sensor on Level D0+wifi hotspot on	4.0	8.0	7.0	7.5	7.5	7.0	1.5	2.5
Receiver off+SAR Sensor on Level D1+wifi hotspot on	4.0	8.0	7.0	7.5	7.5	5.0	1.0	2.5

V	/iFi antenna						
В	ower Reduction Scenario	WiFi 2	.4G		WiFi 5G		
P	ower Reduction Scenario	2.4G Wifi2	2.4G Wifi1	СН	5G Wifi2	5G Wifi1	
R	eceiver off(Body Scene)	0.0	0.0	36-165	0.0	0.0	
_	and the second of the Disht Hand at Halman I (D)	0.0	2.0	36-64	3.0	6.0	
K	eceiver on(Left or Right Head or Unknown L/R)	0.0	3.0	100-165	3.0	8.0	

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Downlink&Uplink LTE CA additional specification

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

- a) Inter-band carrier aggregation requirements for downlink.
- b) Support of contiguous and non-contiguous component carriers for intra-band aggregation requirements for downlink.
- c) Support of contiguous component carriers for intra-band aggregation requirements for uplink

The possible downlink and uplink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.101 V13.5.0 (2016-09). The conducted power measurement results of downlink and uplink LTE CA are provided in Section 8 of this report per 3GPP TS 36.521-1 V13.3.0 (2016-09). According to KDB 941225 D05A, the downlink LTE CA SAR test is not required and PAG requirements can be excluded.

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

- Maximum output power is measured for each UL CA configuration for the required test channels described in KDB 941225 D05
- UL PCC configuration is determined by the required test channel
- SCC and subsequent CCs are added alternatively to either side of the PCC or within the transmission band for channels at the ends of a frequency band.
- SAR for UL CA is required in each exposure condition and frequency band combination
- For this device , as the maximum output for Intra-band uplink LTE CA is ≤ standalone LTE mode (without CA).
- PCC is configured according to the highest standalone SAR configuration tested.
- SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC
- When the reported SAR for UL CA configuration, described above, is > 1.2 W/kg, UL CA SAR is also required for all required test channels (PCC based)
- UL CA SAR is also required for standalone SAR configurations > 1.2 W/kg when they are scaled to the UL CA power level.

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LTE CA+DL 4*4 MIMO

Model Name	CLT-L04C (FCC)
LTE Band support DL 4*4MIMO	B4/B7
Intra-band contiguous CA With DL 4*4MIMO	4*4MIMO Band
CA_7C	B7
Inter-band CA (two bands) With DL 4*4MIMO	4*4MIMO Band
CA_2A-4A	B4
CA_2A-7A	B7
CA_4A-5A	B4
CA_4A-7A	B4/B7
CA_4A-7C	B4/B7
CA_4A-12A	B4(PCC ONLY)
CA_4A-12B	B4(PCC ONLY)
CA_5A-7A	B7
CA_7A-12A	B7
Inter-band CA (Three bands) With DL 4*4MIMO	4*4MIMO Band
CA_2A-4A-5A	B4
CA_2A-4A-7A	B4/B7
CA_2A-4A-12A	B4(B2/B4 PCC ONLY)
CA_4A-7A-12A	B4/B7(B4/B7 PCC ONLY)
CA_4A-12A-12A	B4(B4 PCC ONLY)
Inter-band CA (Four bands) With DL 4*4MIMO	4*4MIMO Band
CA_2A-4A-7C	B4 or B7
CA_2A-4A-7A-12A	B4(2/4/7PCC)

Intra-band contiguous CA operating bands

E-UTRA CA	E-UTRA	Uplink (UL	.) ope	rating band	Downlink (DL) c	perating band	Duplex
Band	Band	BS receiv	ve / UI	E transmit	BS trans	Mode		
		F _{UL_lo}	_w – F	UL_high	F _{DL}	low -	F _{DL_high}	
CA_2	2	1850 MHz	_	1910 MHz	1930 MHz	-	1990 MHz	FDD
CA_38	38	2570 MHz	-	2620 MHz	2570 MHz	-	2620 MHz	TDD
CA_41	41	2545 MHz	_	2655 MHz	2545 MHz	_	2655 MHz	TDD
CA_7	7	2500 MHz	_	2570 MHz	2620 MHz	- (2690 MHz	FDD

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			CA configuration			1	1
	Uplink CA	Component car	riers in order of in			Maximum	Donalis dela
E-UTRA CA configuration	configurations (NOTE 3)	Channel bandwidths for carrier [MHz]	Channel bandwidths for carrier [MHz]	Channel bandwidths for carrier [MHz]	Channel bandwidths for carrier [MHz]	aggregated bandwidth [MHz]	Bandwidth combinatio set
		5	20				
CA_2C	CA_2C	10	15, 20			40	0
CA_2C	CA_2C	15	10, 15, 20			40	0
		20	5, 10, 15, 20				
		15	15			40	
		20	20			40	0
		10	20				
CA_7C	CA_7C	15	15, 20			40	1
		20	10, 15, 20				
		15	10, 15				
		20	15, 20			40	2
		15	15				_
CA_38C	CA_38C	20	20			40	0
		10	20				\
		15	15, 20			40	0
		20	10, 15, 20				
		5, 10	20				
		15	15, 20			40	1
CA_41C	CA_41C	20	5, 10, 15, 20				
		10	15, 20				
		15	10, 15, 20			40	2
		20	10, 15, 20				
		10	20			40	2
		20	20			40	3
		10	20	15			
		10	15, 20	20			
CA_41D	CA_41C	15	20	10, 15		60	0
CA_41D	UA_410	15	10, 15, 20	20		00	U
		20	15, 20	10			
		20	10, 15, 20	15, 20			

The CA configuration refers to an operating band and a CA bandwidth class specified in Table 5.6A-1 (the indexing letter). Absence of a CA bandwidth class for an operating band implies support of all classes.

NOTE 2: For the supported CC bandwidth combinations, the CC downlink and uplink bandwidths are equal. NOTE 3: Uplink CA configurations are the configurations supported by the present release of specifications.

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Range	CC-Combo / N _{RB_agg} [RB]			CC1 Note1		-		CC2 Note1					
_		BW [RB]	NuL	f _{∪L} [MHz]	N _{DL}	f _{DL} [MHz]	BW [RB]	NuL	f _{∪∟} [MHz]	N _{DL}	f _{DL} [MHz]		
	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		
1.40	50+100	50	18655	1855.5	655	1935.5	100	18799	1869.9	799	1949.9		
Low		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		
	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		
NA: al	50+100	50	18806	1870.6	806	1950.6	100	18950	1885	950	1965		
Mid		100	18851	1875.1	851	1955.1	50	18995	1889.5	995	1969.5		
	75+75	75	18825	1872.5	825	1952.5	75	18975	1887.5	975	1967.5		
	75+100	75	18803	1870.3	803	1950.3	100	18974	1887.4	974	1967.4		
		100	18826	1872.6	826	1952.6	75	18997	1889.7	997	1969.7		
	100+100	100	18801	1870.1	801	1950.1	100	18999	1889.9	999	1969.9		
	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		
Llimb	50+100	50	18956	1885.6	956	1965.6	100	19100	1900	1100	1980		
High		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		

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No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號 f (886-2) 2298-0488 www.tw.sgs.com



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Test frequencies for CA 70

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

Test frequencies for CA 38C

Range	CC-Combo / N _{RB_agg} [RB]		CC1 Note1		CC2 Note1				
		BW [RB]	N _{UL/DL}	ful/DL [MHz]	BW [RB]	N _{UL/DL}	ful/DL [MHz]		
Low	75+75	75	37825	2577.5	75	37975	2592.5		
	100+100	100	37850	2580	100	38048	2599.8		
Mid	75+75	75	37925	2587.5	75	38075	2602.5		
	100+100	100	37901	2585.1	100	38099	2604.9		
High	75+75	75	38025	2597.5	75	38175	2612.5		
	100+100	100	37952	2590.2	100	38150	2610		

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Range	CC-Combo / N _{RB_agg} [RB]		CC1 Note1		CC2 Note1				
		BW [RB]	N uL/DL	ful/dl [MHz]	BW [RB]	N ul/dl	f _{UL/DL} [MHz]		
Low	25+100	25	40165	2547.5	100	40282	2559.2		
		100	40240	2555	25	40357	2566.7		
	50+100	50	40190	2550	100	40334	2564.4		
		100	40240	2555	50	40384	2569.4		
	75+75	75	40215	2552.5	75	40365	2567.5		
	75+100	75	40215	2552.5	100	40386	2569.6		
		100	40240	2555	75	40411	2572.1		
	100+100	100	40240	2555	100	40438	2574.8		
Mid	25+100	25	40598	2590.8	100	40715	2602.5		
		100	40665	2597.5	25	40782	2609.2		
		50+100	50	40596	2590.6	100	40740	2565.0	
		100	40641	2595.1	50	40785	2609.5		
	75+75	75	40615	2592.5	75	40765	2607.5		
	75+100	75	40593	2590.3	100	40764	2607.4		
		100	40616	2592.6	75	40787	2609.7		
	100+100	100	40591	2590.1	100	40789	2609.9		
High	25+100	25	41023	2633.3	100	41140	2645		
		100	41098	2640.8	25	41215	2652.5		
	50+100	50	40996	2630.6	100	41140	2645		
		100	41046	2635.6	50	41190	2650		
	75+75	75	41014	2632.5	75	41165	2647.5		
	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		

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act fraguanciae for CA 44D

Range.	CC-Combo /+	.3	CC1 + Note1.	.,		CC2 + Note1.		CC3↓ Note1.a			
rtungo	NRB_agg ↓	BW↓	110101	fulipL↓	BW↓	110101	fulibl↓	BW↓	11010111	fulible	
.1	[RB]. ₁	[RB].1	N _{UL/DL-1}	[MHz].	[RB].1	NUL/DL-1	[MHz].1	[RB].1	N _{UL/DL-1}	[MHz]	
Low.1	50+75+100.1	50.1	40195.	2550.5.1	75.1	40315.1	2562.5.1	100.1	40486.1	2579.6	
.1	.1	50.1	40195.1	2550.5.1	100.1	40339.1	2564.9.1	75.1	40510.1	2582.0	
.1	.1	75.1	40218.1	2552.8.1	50.1	40338.1	2564.8.1	100.1	40482.1	2579.2	
.1	.1	75.1	40218.1	2552.8.1	100.1	40389.1	2569.9.1	50.1	40533.1	2584.3	
.1	.1	100.1	40240.1	2555.1	50.1	40384.1	2569.4.	75.1	40504.	2581.4	
.1	.1	100.1	40340.1	2565.1	75.1	40511.1	2582.1.1	50.1	40631.1	2594.	
.,	50+100+100.1	50.1	40195.1	2550.5.1	100.1	40339.1	2564.9.1	100.1	40537.1	2584.7	
.1	.1	100.1	40240.1	2555.1	50.1	40384.1	2569.4.	100.1	40528.1	2583.8	
.1	.1	100.1	40240.1	2555.1	100.1	40438.1	2574.8.1	50.1	40582.1	2589.2	
.,	75+75+100.1	75.1	40218.1	2552.8.1	75.1	40368.1	2567.8.1	100.1	40539.1	2584.9	
I	.1	75.,	40218.1	2552.8.1	100.1	40389.1	2569.9.1	75.1	40560.1	2587.0	
.1	.1	100.1	40240.1	2555.1	75.1	40411.1	2572.1.1	75.,	40561.1	2587.1	
.1	75+100+100.	75.1	40218.1	2552.8.1	100.1	40389.1	2569.9.1	100.1	40587.1	2589.7	
.1	.1	100.1	40240.1	2555.1	75.1	40411.1	2572.1.1	100.1	40582.1	2589.2	
.1		100.1	40240.1	2555.1	100.1	40438.	2574.8.1	75.1	40609.1	2591.9	
.1	100+100+100	100.1	40340.1	2565.1	100.1	40538.1	2584.8.1	100.1	40736.	2604.6	
Mid. ₁	50+75+100.1	50.1	40522.1	2583.2.1	75.1	40642.	2595.2.1	100.1	40813.1	2612.3	
I	.1	50.1	40521.1	2583.1.1	100.1	40665.1	2597.5.	75.1	40836.	2614.6	
.1	.1	75.1	40547.1	2585.7.1	50.1	40667.	2597.7.	100.	40811.1	2612.	
.1		75.1	40544.1	2585.4.1	100.1	40715.	2602.5.1	50.1	40859.	2616.9	
.1	.1	100.1	40569.	2587.9.1	50.1	40713.1	2602.3.1	75.1	40833.1	2614.3	
.1	.1	100.1	40567.1	2587.7.1	75.1	40738.	2604.8.1	50.1	40858.1	2616.8	
.1	50+100+100.	50.1	40497.1	2580.7.1	100.1	40641.	2595.1.	100.1	40839.	2614.9	
.1		100.1	40546.	2585.6.1	50.1	40690.	2600.1	100.1	40834.1	2614.4	
.1	.1	100.1	40542.1	2585.2.1	100.1	40740.1	2605.1	50.1	40894.1	2619.4	
.1	75+75+100	75.1	40518.1	2582.8.1	75.1	40668.1	2597.8.	100.	40839.1	2614.9	
.1		75.1	40519.1	2582.9.1	100.1	40690.1	2600.1	75.1	40861.1	2617.	
.1	а	100.1	40541.1	2585.1.1	75.1	40030.1	2602.2.1	75.1	40862.1	2617.2	
.1	75+100+100.	75.1	40494.1	2580.4.1	100.1	40665.1	2597.5.1	100.	40863.1	2617.3	
.1		100.1						100.1	40861.1		
a	.1	100.1	40519. ₁ 40517. ₁	2582.9. ₁ 2582.7. ₁	75. ₁	40690.1 40715.1	2600.1	75.1	40886.1	2617.1	
.1	100+100+100									2619.6	
.1	100+100+100.	100.1	40492.1	2580.2.1	100.1	40690.1 40969.1	2600.1	100.1	40888.1	2619.8	
High.	50+75+100.	50.1	40849.1	2615.9.	75.1		2627.9.1	100.1	41140.1	2645.	
.1	.1	50.1	40847.1	2615.7.1	100.1	40991.1	2630.1.1	75.1	41162.1	2647.2	
.1	.1	75.1	40876.1	2618.6.1	50.1	40996.1	2630.6.1	100.1	41140.1	2645	
.1	.1	75.,	40870.1	2618.0.	100.	41041.1	2635.1.	50. ₁	41185.	2649.5	
.1	А	100.1	40898.1	2620.8.1	50.1	41042.	2635.2.1	75.1	41162.1	2647.2	
.1	.1	100.1	40894.1	2620.4.1	75.1	41065.	2637.5.	50.1	41185.	2649.5	
.1	50+100+100.	50.1	40798.1	2610.8.1	100.1	40942.1	2625.2.1	100.1	41140.1	2645	
.1	A	100.1	40852.1	2616.2.1	50.1	40996.	2630.6.1	100.	41140.1	2645	
.1	.1	100.1	40843.1	2615.3.1	100.1	41041.	2635.1.	50.1	41185.1	2649.5	
.1	75+75+100.	75.1	40819.1	2612.9.1	75.1	40969.1	2627.9.1	100.1	41140.1	2645	
.1	.1	75.1	40820.1	2613.0.1	100.1	40991.	2630.1.1	75.1	41162.1	2647.2	
.1	.1	100.	40841.1	2615.1.1	75.1	41012.	2632.2.1	75.1	41162.	2647.2	
.1	75+100+100. ₁	75.1	40771.1	2608.1.	100.	40942.	2625.2.1	100.	41140.1	2645	
.1	-3	100.1	40798.1	2610.8.	75.1	40969.	2627.9.1	100.1	41140.1	2645.	
.1	а	100.1	40793.	2610.3.1	100.1	40991.1	2630.1.1	75.1	41162.1	2647.2	
	100+100+100.	100.1	40744.1	2605.4.1	100.	40942.1	2625.2.1	100.1	41140.	2645.	

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non-contiguous intra-band CA

E 1170 4 0 4	E LITE A	Uplink (UL) ope	ng band	Downlink (DL)	ating band	Dumless		
E-UTRA CA Band	E-UTRA Band	BS receive / UE	trar	nsmit	BS transmit / U	IE re	ceive	Duplex Mode
Бапи	Бапи	Ful_low - Ful_high			FDL_low - FDL_h	WIOGE		
CA_4-4	4	1710 MHz	_	1785 MHz	2110 MHz	_	2155 MHz	FDD
CA_7-7	7	2500 MHz	_	2570 MHz	2620 MHz	_	2690 MHz	FDD
CA_12-12	12	699 MHz	_	716 MHz	729 MHz	_	746 MHz	FDD

	E-U	ITRA CA configu	ration / Bandwid	th combination s	set	
E-UTRACA configuration	Component of Channel bandwidths for carrier [MHz]	arriers in order of Channel bandwidths for carrier [MHz]	of increasing car Channel bandwidths for carrier [MHz]	rier frequency Channel bandwidths for carrier [MHz]	Maximum aggregated bandwidth [MHz]	Bandwidth combination set
00 40 40	5, 10, 15, 20	5, 10, 15, 20			40	0
CA_4A-4A	5, 10	5, 10			20	1
	5	15				
	10	10, 15			40	
	15	15, 20			40	0
CA_7A-7A	20	20				
	5, 10, 15, 20	5, 10, 15, 20			40	1
	5, 10, 15, 20	5, 10			30	2
	10, 15, 20	10, 15, 20			40	3
CA_12A-12A	5	5			10	0

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Test frequencies for	CC-Combo / N _{RB_agg}			CC1			Wgap	CC2				
Test Frequency ID	[RB]	BW		Note1		fpL	[MHz]	BW		Note1		fpL
		[RB]	NuL	f∪∟ [MHz]	N _{DL}	IDL [MHz]	'	[RB]	NuL	[MHz]	N _{DL}	[MHz]
	25+25	25	20125	1727.5	2125	2127.5	5	25	20225	1737.5	2225	2137.5
Low WGap	50+50	50	20100	1725	2100	2125	5	50	20250	1740	2250	2140
LOW WGap	50+100	50	20095	1724.5	2095	2124.5	5	100	20255	1740.5	2255	2140.5
	100+100	100	20050	1720	2050	2120	5	100	20300	1745	2300	2145
	25+25	25	19975	1712.5	1975	2112.5	35	25	20375	1752.5	2375	2152.5
	25+50	25	19975	1712.5	1975	2112.5	30	50	20350	1750	2350	2150
	1	50	20000	1715	2000	2115	30	25	20375	1752.5	2375	2152.5
	25+75	25	19975	1712.5	1975	2112.5	25	75	20325	1747.5	2325	2147.5
	1	75	20025	1717.5	2025	2117.5	25	25	20375	1752.5	2375	2152.5
	50+50	50	20000	1715	2000	2115	25	50	20350	1750	2350	2150
ı	25+100	25	19975	1712.5	1975	2112.5	20	100	20300	1745	2300	2145
May MCan	1'	100	20050	1720	2050	2120	20	25	20375	1752.5	2375	2152.5
Max WGap	50+75	50	20000	1715	2000	2115	20	75	20325	1747.5	2325	2147.5
	l'	75	20025	1717.5	2025	2117.5	20	50	20350	1750	2350	2150
ſ	50+100	50	20000	1715	2000	2115	15	100	20300	1745	2300	2145
1	1	100	20050	1720	2050	2120	15	50	20350	1750	2350	2150
1	75+75	75	20025	1717.5	2025	2117.5	15	75	20325	1747.5	2325	2147.5
	75+100	75	20025	1717.5	2025	2117.5	10	100	20300	1745	2300	2145
	'	100	20050	1720	2050	2120	10	75	20325	1747.5	2325	2147.5
	100+100	100	20050	1720	2050	2120	5	100	20300	1745	2300	2145
Note 1: Carriers in	n increasing frequ	uency c	order.					AV			A	

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Test frequencies for CA 7A-7A

Test Frequency ID	CC-Combo / NRB_agg [RB]			CC1 Note1		\	Wgap [MHz]	CC2 Note1				
		BW [RB]	N _{UL}	f _{∪L} [MHz]	N _{DL}	f _{DL} [MHz]		BW [RB]	N _{UL}	f _{∪∟} [MHz]	N _{DL}	f _{DL} [MHz]
	25+25	25	20775	2502.5	2775	2622.5	60	25	21425	2567.5	3425	2687.5
	25+50	25	20775	2502.5	2775	2622.5	55	50	21400	2565	3400	2685
		50	20800	2505	2800	2625	55	25	21425	2567.5	3425	2687.5
	25+75	25	20775	2502.5	2775	2622.5	50	75	21375	2562.5	3375	2682.5
		75	20825	2507.5	2825	2627.5	50	25	21425	2567.5	3425	2687.5
	50+50	50	20800	2505	2800	2625	50	50	21400	2565	3400	2685
	25+100	25	20775	2502.5	2775	2622.5	45	100	21350	2560	3350	2680
		100	20850	2510	2850	2630	45	25	21425	2567.5	3425	2687.5
Max WGap	50+75	50	20800	2505	2800	2625	45	75	21375	2562.5	3375	2682.5
		75	20825	2507.5	2825	2627.5	45	50	21400	2565	3400	2685
	50+100	50	20800	2505	2800	2625	40	100	21350	2560	3350	2680
		100	20850	2510	2850	2630	40	50	21400	2565	3400	2685
	75+75	75	20825	2507.5	2825	2627.5	40	75	21375	2562.5	3375	2682.5
	75+100	75	20825	2507.5	2825	2627.5	35	100	21350	2560	3350	2680
		100	20850	2510	2850	2630	35	75	21375	2562.5	3375	2682.5
	100+100	100	20850	2510	2850	2630	30	100	21350	2560	3350	2680
	75+100	75	21025	2527.5	3025	2647.5	15	100	21350	2560	3350	2680
Defense ²	100+100	100	21000	2525	3000	2645	15	100	21350	2560	3350	2680
Refsens ²	25+100	25	20975	2522.5	2975	2642.5	25	100	21350	2560	3350	2680
	50+100	50	21000	2525	3000	2645	20	100	21350	2560	3350	2680

Note 1: Carriers in increasing frequency order.

Test point derived with regard to REFSENS requirements. Note 2:

Test frequencies for CA_12A-12A

Test Frequency ID	CC-Combo / N _{RB_agg} [RB]		2 8	CC1 Note 1			Wga p [MHz]			CC2 Note 1		
		BW [RB	NuL	fu∟ [MHz]	N _{DL}	f _{DL} [MHz]	_	BW [RB]	NuL	fuL [MHz]	N _{DL}	f _{DL} [MHz]
Max WGap	25+25	25	2303 5	701.5	503 5	731.5	7	25	2315 5	713.5	515 5	743.5
Note 1: Carriers i	n increasing fre	quency	order.									

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Inter-band Downlink CA (two bands)

E-UTRA CA Configuration	E-UTRA Bands	1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	Maximum aggregated bandwidth [MHz]	Bandwidth combination set	
	2	Yes	Yes	Yes	Yes	Yes	Yes		0	
	4			Yes	Yes	Yes	Yes	40	0	
04 04 44	2			Yes	Yes			20		
CA_2A-4A	4			Yes	Yes			20	1	
	2			Yes	Yes	Yes	Yes	40		
	4			Yes	Yes	Yes	Yes	40	2	
	2			Yes	Yes	Yes	Yes			
CA_2A-4A-4A	4	See C/		Bandwidt Table 5.4		nation Se	et 0 in	60	0	
	2			Yes	Yes	Yes	Yes			
	5			Yes	Yes			30	0	
CA_2A-5A	2			Yes	Yes				_	
	5			Yes	Yes			20	1	
	2			Yes	Yes	Yes	Yes			
CA_2A-7A	7			Yes	Yes	Yes	Yes	40	0	
	2			Yes	Yes	Yes	Yes		_	
	12			Yes	Yes			30	0	
	2			Yes	Yes	Yes	Yes			
CA_2A-12A	12		Yes	Yes	Yes			30	1	
	2			Yes	Yes					
	12			Yes	Yes			20	2	
	2			Yes	Yes	Yes	Yes			
CA_2A-12B	12	See CA_	12B Ban		ombinatio			35	0	
04 04 004	2			Yes	Yes	Yes	Yes	40	0	
CA_2A-28A	28			Yes	Yes	Yes	Yes	40	0	
	4			Yes	Yes			20	0	
CA 4A 5A	5			Yes	Yes			20	0	
CA_4A-5A	4			Yes	Yes	Yes	Yes	20	4	
	5			Yes	Yes			30	1	
	4			Yes	Yes			20	0	
CA 4A 7A	7			Yes	Yes	Yes	Yes	30	0	
CA_4A-7A	4			Yes	Yes	Yes	Yes	40	4	
	7			Yes	Yes	Yes	Yes	40	1	
	4			Yes	Yes	Yes	Yes			
CA_4A-7A-7A	7	7 See the CA_7A-7A Bandwidth combination set 1 in Table 5.4.2A.1-3					set 1 in		0	

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	4	Yes	Yes	Yes	Yes				
	12	1.00		Yes	Yes			20	0
	4	Yes	Yes	Yes	Yes	Yes	Yes		
	12		211	Yes	Yes			30	1
	4			Yes	Yes	Yes	Yes	00	
0.4.4.4.0.4	12		Yes	Yes	Yes			30	2
CA_4A-12A	4			Yes	Yes			00	
	12			Yes	Yes			20	3
	4			Yes	Yes	Yes	Yes	20	4
	12			Yes	Yes			30	4
	4			Yes	Yes	Yes		20	5
	12			Yes				20	5
	4			Yes	Yes	Yes	Yes		
CA_4A-12B	12	See CA_	12B Ban	dwidth Co 5.4.2A		n Set 0 i	n Table	35	0
CA 4A 20A	4			Yes	Yes	Yes	Yes	40	0
CA_4A-28A	28			Yes	Yes	Yes	Yes	40	0
	5	Yes	Yes	Yes	Yes			20	0
OA	7				Yes	Yes	Yes	30	0
CA_5A-7A	5			Yes	Yes			20	4
	7				Yes	Yes	Yes	30	1
CA 7A 12A	7			Yes	Yes	Yes	Yes	20	0
CA_7A-12A	12			Yes	Yes			30	0
	7			Yes	Yes	Yes	Yes	35	0
CA 7A 28A	28			Yes	Yes	Yes		33	0
CA_7A-28A	7			Yes	Yes	Yes	Yes	40	1
	28			Yes	Yes	Yes	Yes	40	
CA_7C-28A	7	See CA	_7C ban	dwidth co		n set 2 ir	table	60	0
_	28			Yes	Yes	Yes	Yes		

- 1) For the inter-band CA combinations, Except CA 2A-12B, CA 4A-12A, CA 4A-12B, CA 4A-28A, B12/B28 cannot be PCC, other 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 V13.5.0 (2016-09).
- 3) The reference test frequencies for CA refers to 3GPP TS 36.508 V13.1.0

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nd Downlink CA (Thron handa)

E-UTRA CA Configuration	E-UTRA Bands	1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	Maximum aggregated bandwidth [MHz]	Bandwidth combination set	
	2			Yes	Yes	Yes	Yes			
CA_2A-4A-5A	4			Yes	Yes	Yes	Yes	50	0	
	5			Yes	Yes					
	2			Yes	Yes	Yes	Yes			
CA_2A-4A-7A	4			Yes	Yes	Yes	Yes	60	0	
	7			Yes	Yes	Yes	Yes			
	2			Yes	Yes	Yes	Yes			
CA_2A-4A-12A	4			Yes	Yes	Yes	Yes	50	0	
	12			Yes	Yes					
	2			Yes	Yes	Yes	Yes			
CA_2A-7A-12A	7			Yes	Yes	Yes	Yes	50	0	
	12			Yes	Yes					
	4			Yes	Yes					
	7			Yes	Yes	Yes	Yes	40	0	
CA_4A-7A-12A	12			Yes	Yes					
UA_4A-1A-12A	4			Yes	Yes	Yes	Yes			
	7			Yes	Yes	Yes	Yes	50	1	
	12			Yes	Yes					

NOTE: All the listed bands above can be used as PCC or SCC except for CA_2A-4A-12A, CA_4A_7A_12A, CA_4A_12A_12A, B12 cannot be PCC.

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Inter-band CA operating bands (four bands)

E-UTRA CA	E-UTRA	Uplink (Ul	_) op	erating band	Downlink (I	DL) c	perating band	Duplex
Band	Band	BS recei	ve / l	JE transmit	BS trans	Mode		
Danu	Ballu	F _{UL_I}	ow -	F _{UL_high}	F _{DL_}	WIOGE		
	2	1850 MHz	E	1910 MHz	1930 MHz	_	1990 MHz	
2-4-7	4	1710 MHz		1785 MHz	2110 MHz	_	2155 MHz	FDD
	7	2500 MHz	_	2570 MHz	2620 MHz	_	2690 MHz	
	2	1850 MHz	_	1910 MHz	1930 MHz	_	1990 MHz	\ \
2-4-7-12	4	1710 MHz	_	1785 MHz	2110 MHz	_	2155 MHz	FDD
2-4-7-12	7	2500 MHz	_	2570 MHz	2620 MHz	_	2690 MHz	רטט
	12	699 MHz	_	716 MHz	729 MHz	-	746 MHz	

E-UTRA CA Configuration	E-UTRA Bands	1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	Maximum aggregated bandwidth [MHz]	Bandwidth combination set
	2			Yes	Yes	Yes	Yes		
CA_2A-4A-7C	4			Yes	Yes	Yes	Yes	80	0
UA_2A-4A-1U	7	See the CA_	7A-7A B	andwidth	n combir	nation se	t 1 in	00	
			Tabl	le 5.4.2A	1.1-3				
	2			Yes	Yes	Yes	Yes		
CA_2A-4A-7A-	4			Yes	Yes	Yes	Yes	70	0
12A	7			Yes	Yes	Yes	Yes	70	0
	12			Yes	Yes				

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1.4 Test Specification

Identity	Document Title
FCC 47CFR §2.1093	Radiofrequency Radiation Exposure Evaluation: Portable Devices
ANSI/IEEE Std C95.1 – 1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.
IEEE 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
KDB 941225 D01	3G SAR Measurement Procedures v03r01
KDB 941225 D05	SAR for LTE Devices v02r05
KDB 941225 D05A	LTE Rel.10 KDB Inquiry Sheet v01r02
KDB 941225 D06	Hotspot Mode SAR v02r01
KDB 248227 D01	SAR Guidance for IEEE 802 11 Wi-Fi SAR v02r02
KDB 648474 D04	Handset SAR v01r03
KDB 616217 D04	SAR for laptop and tablets v01r02
KDB 447498 D01	General RF Exposure Guidance v06
KDB 865664 D01	SAR Measurement 100 MHz to 6 GHz v01r04
KDB 865664 D02	RF Exposure Reporting v01r02
KDB 690783 D01	SAR Listings on Grants v01r03

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1.5 RF exposure limits

Human Exposure	Uncontrolled Environment General Population	Controlled Environment Occupational
Spatial Peak SAR* (Brain*Trunk)	1.60 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

Notes:

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

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

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^{*} 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.



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Laboratory Environment

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

Table 2: The Ambient Conditions

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SAR Measurements System Configuration

3.1 The SAR Measurement System

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

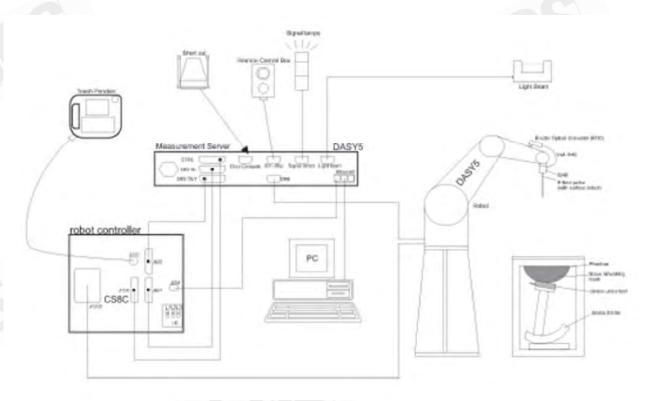
The DASY5 system for performing compliance tests consists of the following items:

A standard high precision 6-axis robot (Stabile RX family) with controller, teach pendant and software .An arm extension for accommodation the data acquisition electronics (DAE).

A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.

A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

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



F-1. SAR Measurement System Configuration

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

3.2 Isotropic E-field Probe EX3DV4

	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	ISO/IEC 17025 calibration service available.
Frequency	10 MHz to > 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)
Dynamic Range	10 μ W/g to > 100 mW/g Linearity: \pm 0.2 dB (noise: typically < 1 μ 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); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better 30%.
Compatibility	DASY3, DASY4, DASY52 SAR and higher, EASY4/MRI

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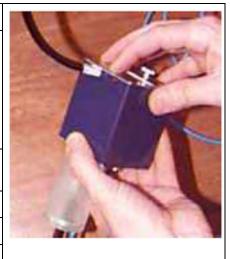
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3.3 Data Acquisition Electronics (DAE)

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



3.4 SAM Twin Phantom

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



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

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

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3.5 ELI Phantom

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



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

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

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3.6 Device Holder for Transmitters



F-2. Device Holder for Transmitters

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

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3.7 Measurement procedure

3.7.1 Scanning procedure

Step 1: Power reference measurement

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

Step 2: Area scan

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

Step 3: Zoom scan

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

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

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

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			≤3 GHz	≥ 3 GHz		
Maximum distance fro (geometric center of pr			5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$		
Maximum probe angle surface normal at the n			30° ± 1°	20° ± 1°		
			≤2 GHz; ≤15 mm 2 – 3 GHz; ≤12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm		
Maximum area scan sp	atial resol	ution: Δx _{Area} , Δy _{Area}	When the x or y dimension of measurement plane orientation the measurement resolution is x or y dimension of the test of measurement point on the test.	on, is smaller than the above must be ≤ the corresponding levice with at least one		
Maximum zoom scan s	spatial reso	olution: Δx_{Zoom} , Δy_{Zoom}	≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm	$3-4 \text{ GHz} \le 5 \text{ mm}^*$ $4-6 \text{ GHz} \le 4 \text{ mm}^*$		
	uniform	grid: ∆z _{Z∞m} (n)	≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm		
Maximum zoom scan spatial resolution, normal to phantom surface	graded	Δz _{Zoom} (1): between 1 st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm		
	grid	Δz _{Zoom} (n>1): between subsequent points	$\leq 1.5 \cdot \Delta z_{Z_{00m}}(n-1)$			
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm		

Step 4: Power reference measurement (drift)

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

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3.7.2 Data Storage

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

3.7.3 Data Evaluation by SEMCAD

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

Probe parameters: - Sensitivity Normi, ai0, ai1, ai2

- Conversion factor ConvFi - Diode compression point Dcpi

Device parameters: - Frequency

- Crest factor Media parameters: - Conductivity ٤

Density

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

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DCtransmission 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:

$$V_t = U_t + U_t^2 \cdot c f / d c p_t$$

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

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

cf = crest factor of exciting field (DASY parameter)

dcp i = diode compression point (DASY parameter)

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

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E-field probes:

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

H-field probes:

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

Vi = compensated signal of channel i

Normi = sensor sensitivity of channel I

[mV/(V/m)2] for E-field Probes

ConvF = sensitivity enhancement in solution

aij = sensor sensitivity factors for H-field probes

f = carrier frequency [GHz]

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

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

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

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

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

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

with SAR = local specific absorption rate in mW/g

Etot = total field strength in V/m

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

ε= equivalent tissue density in g/cm3

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

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

Ppwe = equivalent power density of a plane wave in mW/cm2

Etot = total electric field strength in V/m

Htot = total magnetic field strength in A/m

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4 SAR measurement variability and uncertainty

4.1 SAR measurement variability

Per KDB865664 D01 SAR measurement 100 MHz to 6 GHz v01r04, SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. The additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is remounted 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 ($\sim 10\%$ from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

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

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4.2 SAR measurement uncertainty

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

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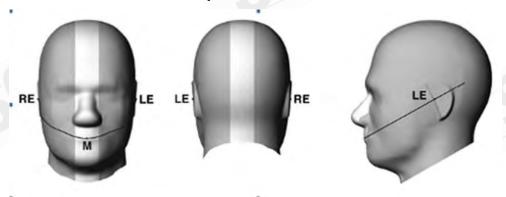


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5 Description of Test Position

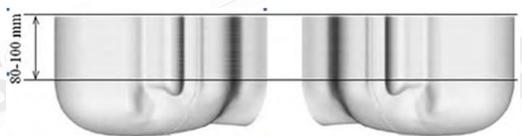
5.1 Head Exposure Condition

5.1.1 SAM Phantom Shape



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

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



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

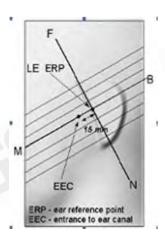
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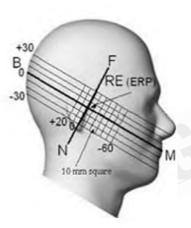
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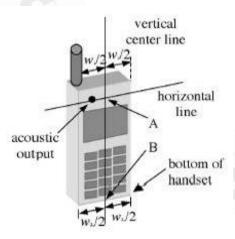


F-5. Close-up side view of phantom, showing the ear region, N-F and B-M lines, and seven cross-sectional plane locations

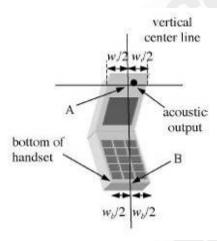


F-6. Side view of the phantom showing relevant markings and seven cross-sectional plane locations

5.1.2 EUT constructions



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



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

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5.1.3 Definition of the "cheek" position

- a) Position the device with the vertical centre line of the body of the device and the horizontal line crossing the centre of the ear piece in a plane parallel to the sagittal plane of the phantom ("initial position"). While maintaining the device in this plane, align the vertical centre line with the reference plane containing the three ear and mouth reference points (M, RE and LE) and align the centre of the ear piece with the line RE-LE.
- b) Translate the mobile phone box towards the phantom with the ear piece aligned with the line LE-RE until telephone touches the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the box until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.

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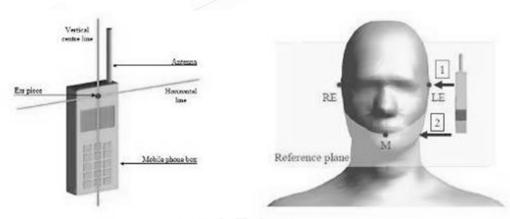
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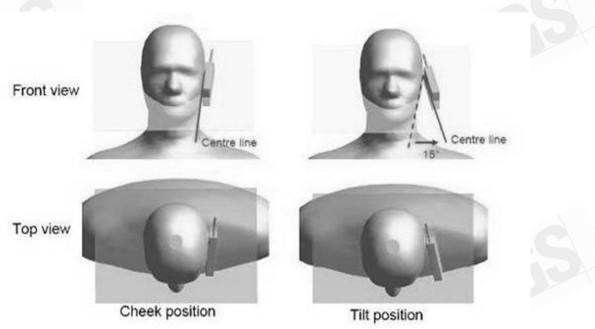
5.1.4 Definition of the "tilted" position

a) Position the device in the "cheek" position described above;

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



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



F-10. "Cheek" and "tilt" positions of the mobile phone on the left side

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5.2 Body Exposure Condition

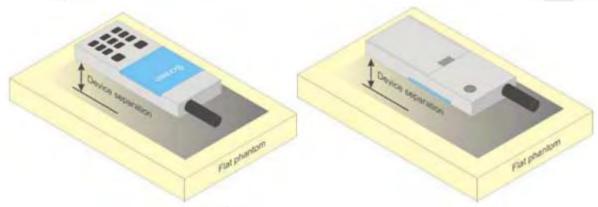
5.2.1 Body-worn accessory exposure conditions

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

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration. Per FCC KDB Publication 648474 D04, Bodyworn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB Publication 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

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

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



F-11. Test positions for body-worn devices

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Wireless Router exposure conditions

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

5.3 Extremity exposure conditions

Per FCC KDB 648474D04, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, the device is marketed as "Phablet".

The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for Product Specific 10-g SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.

Due to the SAR result, only the following frequency bands need to test with 0mm for the Product Specific 10-g SAR, the others are not required.

			Ma	in An	tenna 1	Test data							
Test position of Hotspot with 10mm	Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power Drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	factor	Scaled SAR (W/kg)	Product Specific 10-g SAR SAR Exclusion		
	Product extremity condition												
GSM 1900	Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.654	-0.02	24.60	29.00	2.754	1.801	No		
WCDMA Band II	Bottom side	RMC	9538/1907.6	1:1	0.710	-0.04	18.65	24.50	3.846	2.731	No		
WCDMA Band IV	Bottom side	RMC	1412/1732.4	1:1	0.496	0.08	18.18	24.00	3.819	1.894	No		
LTE Band 2	Bottom side	QPSK	18700/1860	1:1	0.792	-0.03	18.44	23.00	2.858	2.263	No		
LTE Band 4	Bottom side	QPSK	20175/1732.5	1:1	0.465	0.03	17.69	24.00	4.276	1.988	No		
LTE Band 7	Bottom side	QPSK	20850/2510	1:1	0.489	-0.02	19.18	23.60	2.767	1.353	No		

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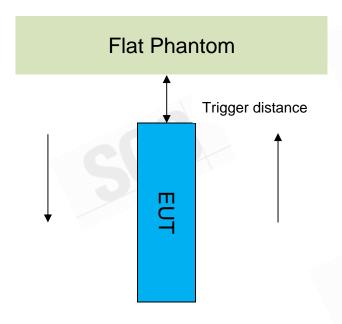
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5.4 Proximity Sensor Triggering Test

5.4.1 **Main antenna Proximity Sensor**

1) Proximity sensor triggering distances

The Proximity sensor triggering was applied to GSM1900, WCDMA Band II/IV; LTE Band 2, 4,7,38 Proximity sensor triggering distance testing was performed according to the procedures outlined in KDB 616217 D04 section 6.2, and EUT moving further away from the flat phantom and EUT moving toward the flat phantom were both assessed.



	Proximity Sensor Triggering Distance(mm)											
Position	Front	Back	Bottom									
	10(GSM1900, WCDMA Band II/IV,	8 (GSM1900, WCDMA Band II/IV,	10(GSM1900, WCDMA Band									
Minimum	LTE Band 2/4/7)	LTE Band 2/4/7)	II/IV, LTE B2/4/7)									
		4(LTE Band 7/38)	5(LTE B7/38)									
Doguirod	9(GSM1900, WCDMA B2/4, LTE Band 2/4/7) 4(LTE Band7/38)	7(GSM1900, WCDMA Band II/IV,	9(GSM1900, WCDMA Band									
CAD Toot	Band 2/4/7)	LTE Band 2/4/7)	II/IV, LTE B2/4/7)									
SAK TEST	4(LTE Band7/38)	3(LTE Band 7/38)	4(LTE Band 7/38)									

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Band	Test position	Sensor Trigger Distance range(DUT to Phantom)	Power reduction amount(dB)	Max Power level (dBm)	Power Level
	Bottom	0≤distance≤10mm	1	29	level D1
	side	10mm <distance≤16mm< td=""><td>0</td><td>30</td><td>level D2</td></distance≤16mm<>	0	30	level D2
	Side	16mm <distance< td=""><td>0</td><td>30</td><td>level D3</td></distance<>	0	30	level D3
		0≤distance≤8mm	1	29	level D1
	Back side	8mm <distance≤14mm< td=""><td>0</td><td>30</td><td>level D2</td></distance≤14mm<>	0	30	level D2
GSM1900		distance>14mm	0	30	level D3
CONTIO		0≤distance≤10mm	1	29	level D1
	Front side	10mm <distance≤16mm< td=""><td>0</td><td>30</td><td>level D2</td></distance≤16mm<>	0	30	level D2
		16mm <distance< td=""><td>0</td><td>30</td><td>level D3</td></distance<>	0	30	level D3
	Left side	ALL	0	30	level D3
	Right side	ALL	0	30	level D3
	Top side	ALL	0	30	level D3
	Dottom	0≤distance≤10mm	3	20.5	level D1
	Bottom	10mm <distance≤16mm< td=""><td>0</td><td>23.5</td><td>level D2</td></distance≤16mm<>	0	23.5	level D2
	Side	16mm <distance< td=""><td>0</td><td>23.5</td><td>level D3</td></distance<>	0	23.5	level D3
		0≤distance≤8mm	3	20.5	level D1
	Back side	8mm <distance≤14mm< td=""><td>0</td><td>23.5</td><td>level D2</td></distance≤14mm<>	0	23.5	level D2
WCDMA		distance>14mm	0	23.5	level D3
Band II		0≤distance≤10mm	3	20.5	level D1
	Front side	10mm <distance≤16mm< td=""><td>0</td><td>23.5</td><td>level D2</td></distance≤16mm<>	0	23.5	level D2
		16mm <distance< td=""><td>0</td><td>23.5</td><td>level D3</td></distance<>	0	23.5	level D3
	Left side	ALL	0	23.5	level D3
	Right side	ALL	0	23.5	level D3
	Top side	ALL	0	23.5	level D3
	Detter	0≤distance≤10mm	2	21	level D1
	Bottom	10mm <distance≤16mm< td=""><td>0</td><td>23</td><td>level D2</td></distance≤16mm<>	0	23	level D2
	side	16mm <distance< td=""><td>0</td><td>23</td><td>level D3</td></distance<>	0	23	level D3
		0≤distance≤8mm	2	21	level D1
	Back side	8mm <distance≤14mm< td=""><td>0</td><td>23</td><td>level D2</td></distance≤14mm<>	0	23	level D2
WCDMA		distance>14mm	0	23	level D3
Band IV		0≤distance≤10mm	2	21	level D1
	Front side	10mm <distance≤16mm< td=""><td>0</td><td>23</td><td>level D2</td></distance≤16mm<>	0	23	level D2
		16mm <distance< td=""><td>0</td><td>23</td><td>level D3</td></distance<>	0	23	level D3
	Left side	ALL	0	23	level D3
	Right side	ALL	0	23	level D3
	Top side	ALL	0	23	level D3
		0≤distance≤10mm	2.5	20.5	level D1
	Bottom	10mm <distance≤16mm< td=""><td>0</td><td>23</td><td>level D2</td></distance≤16mm<>	0	23	level D2
	side –	16mm <distance< td=""><td>0</td><td>23</td><td>level D3</td></distance<>	0	23	level D3
		0≤distance≤8mm	2.5	20.5	level D1
LTE B2	Back side	8mm <distance≤14mm< td=""><td>0</td><td>23</td><td>level D2</td></distance≤14mm<>	0	23	level D2
		distance>14mm	0	23	level D3
		0≤distance≤10mm	2.5	20.5	level D1
	Front side	10mm <distance≤16mm< td=""><td>0</td><td>23</td><td>level D2</td></distance≤16mm<>	0	23	level D2
		16mm <distance< td=""><td>0</td><td>23</td><td>level D3</td></distance<>	0	23	level D3

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	Left side	ALL	0	23	level D3
	Right side	ALL	0	23	level D3
	Top side	ALL	0	23	level D3
	Dattain	0≤distance≤10mm	2	20.5	level D1
	Bottom	10mm <distance≤16mm< td=""><td>0</td><td>22.5</td><td>level D2</td></distance≤16mm<>	0	22.5	level D2
	side —	16mm <distance< td=""><td>0</td><td>22.5</td><td>level D3</td></distance<>	0	22.5	level D3
		0≤distance≤8mm	2	20.5	level D1
	Back side	8mm <distance≤14mm< td=""><td>0</td><td>22.5</td><td>level D2</td></distance≤14mm<>	0	22.5	level D2
LTE D4		distance>14mm	0	22.5	level D3
LTE B4		0≤distance≤10mm	2	20.5	level D1
	Front side	10mm <distance≤16mm< td=""><td>0</td><td>22.5</td><td>level D2</td></distance≤16mm<>	0	22.5	level D2
		16mm <distance< td=""><td>0</td><td>22.5</td><td>level D3</td></distance<>	0	22.5	level D3
	Left side	ALL	0	22.5	level D3
	Right side	ALL	0	22.5	level D3
	Top side	ALL	0	22.5	level D3
		0≤distance≤5mm	3	19.6	level D0
	Bottom	5mm <distance≤10mm< td=""><td>1</td><td>21.6</td><td>level D1</td></distance≤10mm<>	1	21.6	level D1
	side	10mm <distance≤16mm< td=""><td>0</td><td>22.6</td><td>level D2</td></distance≤16mm<>	0	22.6	level D2
		16mm <distance< td=""><td>0</td><td>22.6</td><td>level D3</td></distance<>	0	22.6	level D3
		0≤distance≤4mm	3	19.6	level D0
	l <u>.</u>	4mm <distance≤8mm< td=""><td>1</td><td>21.6</td><td>level D1</td></distance≤8mm<>	1	21.6	level D1
	Back side	8mm <distance≤14mm< td=""><td>0</td><td>22.6</td><td>level D2</td></distance≤14mm<>	0	22.6	level D2
LTE B7		distance>14mm	0	22.6	level D3
		0≤distance≤5mm	3	19.6	level D0
		5mm <distance≤10mm< td=""><td>1 0</td><td>21.6</td><td>level D1</td></distance≤10mm<>	1 0	21.6	level D1
	Front side -	10mm <distance≤16mm< td=""><td>0</td><td>22.6</td><td>level D2</td></distance≤16mm<>	0	22.6	level D2
		16mm <distance< td=""><td>0</td><td>22.6</td><td>level D3</td></distance<>	0	22.6	level D3
	Left side	ALL	0	22.6	level D3
	Right side	ALL	0	22.6	level D3
	Top side	ALL	0	22.6	level D3
		0≤distance≤5mm	0.5	22.5	level D0
	Bottom	5mm <distance≤10mm< td=""><td>0</td><td>23</td><td>level D1</td></distance≤10mm<>	0	23	level D1
	side	10mm <distance≤16mm< td=""><td>0</td><td>23</td><td>level D2</td></distance≤16mm<>	0	23	level D2
		16mm <distance< td=""><td>0</td><td>23</td><td>level D3</td></distance<>	0	23	level D3
		0≤distance≤4mm	0.5	22.5	level D0
		4mm <distance≤8mm< td=""><td>0</td><td>23</td><td>level D1</td></distance≤8mm<>	0	23	level D1
	Back side -	8mm <distance≤14mm< td=""><td>0</td><td>23</td><td>level D2</td></distance≤14mm<>	0	23	level D2
LTE B38		distance>14mm	0	23	level D3
		0≤distance≤5mm	0.5	22.5	level D0
		5mm <distance≤10mm< td=""><td>0</td><td>23</td><td>level D1</td></distance≤10mm<>	0	23	level D1
	Front side -	10mm <distance≤16mm< td=""><td>0</td><td>23</td><td>level D2</td></distance≤16mm<>	0	23	level D2
	-	16mm <distance< td=""><td>0</td><td>23</td><td>level D3</td></distance<>	0	23	level D3
	Left side	ALL	0	23	level D3
	Right side	ALL	0	23	level D3
	Top side	ALL	0	23	level D3

Note:

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

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For body-worn SAR, no additional SAR test with sensor off is required since the sensor triggering distance is < 15mm. Body-worn SAR is tested at the full power level.

For hotspot SAR, no additional SAR test with sensor off is required since the power level in hotspot mode with sensor off and sensor on are the same.

For Product Specific 10-g SAR, additional SAR test with sensor off is required at the conservative sensor triggering distance minus 1mm for the required test positions per KDB 616217

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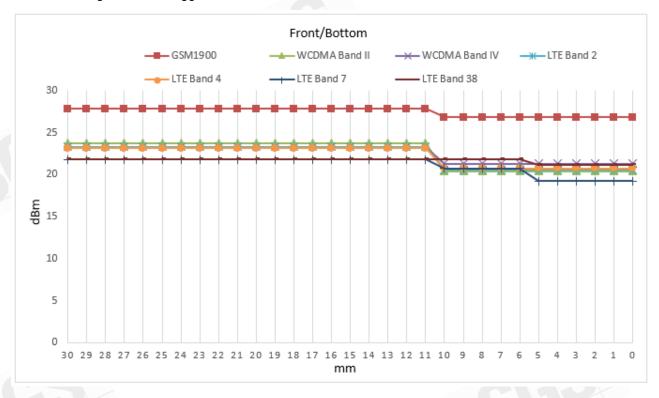
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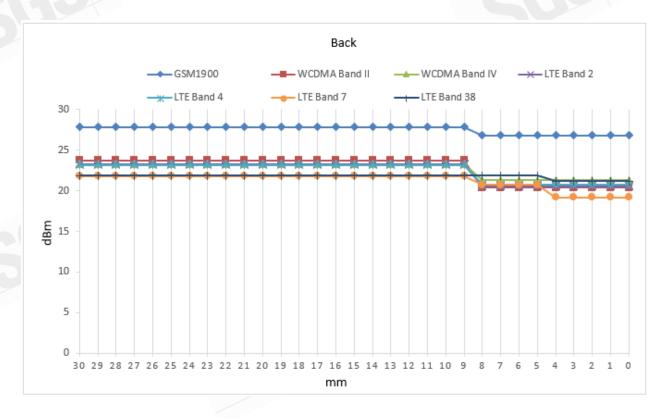
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DUT Moving Toward (Trigger) the Phantom





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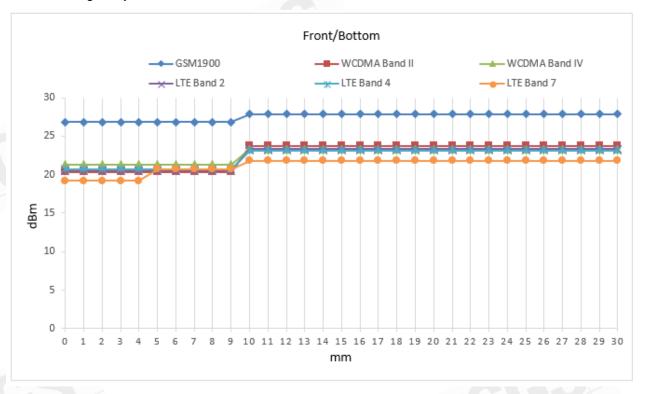
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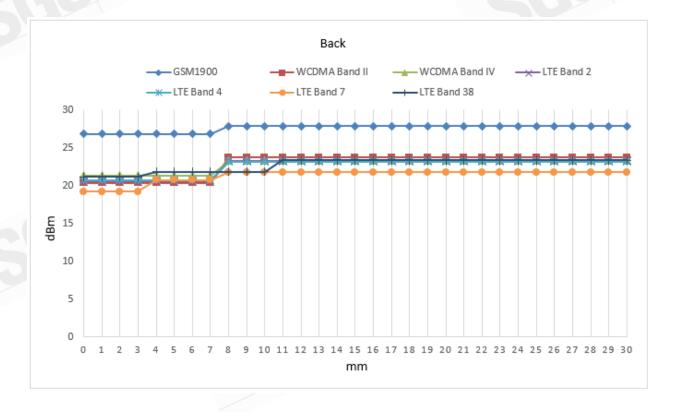
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DUT Moving Away (Release) from the Phantom





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2) Proximity sensor coverage

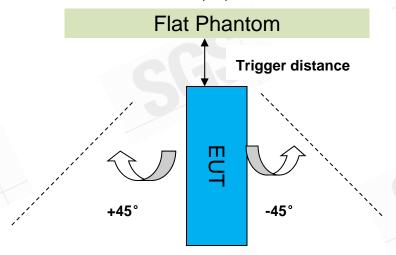
If a sensor is spatially offset from the antenna(s), it is necessary to verify sensor triggering for conditions where the antenna is next to the user but the sensor is laterally further away to ensure sensor coverage is sufficient for reducing the power to maintain compliance. For p-sensor coverage testing,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

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

3) Device tilt angle influences to proximity sensor triggering

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

Rotating the tablet around the edge next to the phantom in $\leq 10^{\circ}$ increments until the tablet is $\pm 45^{\circ}$ from the vertical position at 0° , and the maximum output power remains in the reduced mode.



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

	Summary of Ta	blet Tilt Angle Influe	ence to	Proxim	ity Sen	sor Trig	gering	for E	otton	n Side			
	Minimum	Minimum trigger				Powe	er Red	uction	n Stat	us			
Band(MHz)	trigger distance Per KDB616217 §6.2	distance at which power reduction was maintained over ±45°	-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
GSM1900	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on
WCDMA Band II	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on
WCDMA Band IV	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on
LTE Band 2	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on
LTE Band 4	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on
LTE Band 7	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on
LTE Band 38	10mm	10mm	on	on	on	on	on	on	on	on	on	on	on

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The Sensor Triggering Distance(mm)									
Position	Bottom								
Minimum	5								
Required SAR Test	4								

		Summary of Tal	olet Tilt Angle Influe	nce to	Proxim	ity Sens	sor Trig	gering	for B	ottom	Side			
			Minimum trigger			-	Powe	er Red	uctior	n Stat	us			
	Band(MHz)	Minimum trigger distance Per KDB616217§6.2	distance at which power reduction was maintained over ±45°	-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
7	LTE Band 7	5mm	4mm	on	on	on	on	on	on	on	on	on	on	on
-	LTE Band 38	5mm	4mm	on	on	on	on	on	on	on	on	on	on	on

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SAR System Verification Procedure

Tissue Simulate Liquid

Recipes for Tissue Simulate Liquid

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

Ingredients	Frequency (MHz)											
(% by weight)	450		700-950		1700)-2000	2300	-2700				
Tissue Type	Head	Body	Head	Body	Head	Body	Head	Body				
Water	38.56	51.16	40.30	50.75	55.24	70.17	55.00	68.53				
Salt (NaCl)	3.95	1.49	1.38	0.94	0.31	0.39	0.2	0.1				
Sucrose	56.32	46.78	57.90	48.21	0	0	0	0				
HEC	0.98	0.52	0.24	0	0	0	0	0				
Bactericide	0.19	0.05	0.18	0.10	0	0	0	0				
Tween	0	0	0	0	44.45	29.44	44.80	31.37				

Salt: 99+% Pure Sodium Chloride Sucrose: 98+% Pure Sucrose Water: De-ionized, 16 MΩ⁺ resistivity HEC: Hydroxyethyl Cellulose

Tween: Polyoxyethylene (20) sorbitan monolaurate

HSL5GHz is composed of the following ingredients:

Water: 50-65% Mineral oil: 10-30% Emulsifiers: 8-25%

Sodium salt: 0-1.5%

MSL5GHz is composed of the following ingredients:

Water: 64-78% Mineral oil: 11-18% Emulsifiers: 9-15%

Sodium salt: 2-3%

Table 3: Recipe of Tissue Simulate Liquid

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6.1.2 Measurement for Tissue Simulate Liquid

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

Tissue	Measured Frequency	Target Tis	sue (±5%)	Measure	d Tissue	Liquid Temp.	Measured
Туре	(MHz)	εr	σ(S/m)	ε _r	σ(S/m)	(℃)	Date
750 Head	750	41.9 (39.81~44)	0.89 (0.85~0.94)	43.808	0.880	22.1	2018/12/17
750 Body	750	55.5 52.73~58.28)	0.96 (0.91~1.00)	54.877	0.953	22.1	2018/12/19
835 Head	835	41.5 (39.43~43.58)	0.90 (0.86~0.95)	40.668	0.909	22.1	2018/12/17
835 Body	835	55.2 52.44~57.96)	0.97 (0.92~1.02)	54.531	1.009	22.1	2018/12/20
1750 Head	1750	40.1 38.10~42.11)	1.37 (1.30~1.44)	40.794	1.330	22.3	2018/12/15
1750 Body	1750	53.4 (50.73~56.07)	1.49 (1.42~1.56)	53.334	1.434	22.3	2018/12/19
1900 Head	1900	40.0 38.00~42.00)	1.40 (1.33~1.47)	40.640	1.394	22.1	2018/12/18
1900 Body	1900	53.3 (50.64~55.97)	1.52 (1.44~1.60)	53.897	1.523	22.1	2018/12/18
1900 Body	1900	53.3 (50.64~55.97)	1.52 (1.44~1.60)	52.531	1.483	22.3	2018/12/27
2450 Head	2450	39.20 (37.24~41.16)	,	40.224	1.805	22.0	2018/12/17
2450 Body	2450	52.70 (50.07~55.34)	1.95 (1.85~2.05)	50.483	1.986	22.0	2018/12/17
2600 Head	2600	39.0 (37.05~40.95)	1.96 (1.86~2.06)	39.726	1.967	22.3	2018/12/20
2600 Body	2600	52.50 (49.88~55.13)	2.16 (2.05~2.27)	50.087	2.155	22.3	2018/12/18
5600 Head	5600	35.5 (33.73~37.28)	5.07 (4.82~5.32)	35.059	5.107	22.2	2018/12/18
5600 Body	5600	48.5 (46.08~50.93)	5.77 (5.48~6.06)	47.435	5.803	22.2	2018/12/19
5750 Body	5750	48.3 (45.89~50.72)	5.94 (5.64~6.24)	47.096	5.969	22.2	2018/12/19

Table 4: Measurement result of Tissue electric parameters

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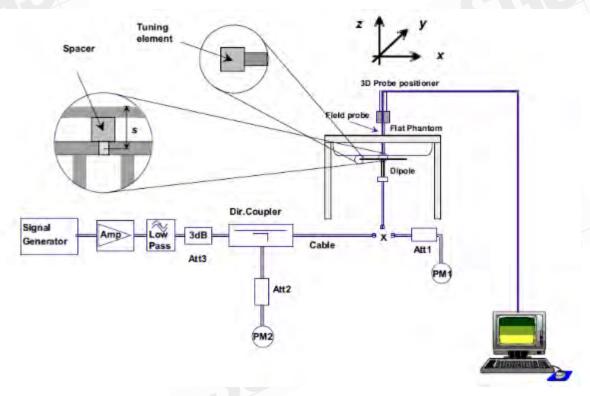
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SAR System Check

The microwave circuit arrangement for system check is sketched in below figure. The daily system accuracy verification occurs within the flat section of the SAM phantom. A SAR measurement was performed to see if the measured SAR was within +/- 10% from the target SAR values. The tests were conducted on the same days as the measurement of the EUT. The obtained results from the system accuracy verification are displayed in the following table(A power level of 250mW (below 3GHz) or 100mW (3-6GHz) was input to the dipole antenna). During the tests, the ambient temperature of the laboratory was in the range 22±2°C, the relative humidity was in the range 60% and the liquid depth above the ear reference points was above 15±0.5 cm in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.



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

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6.2.1 Justification for Extended SAR Dipole Calibrations

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

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6.2.2 Summary System Check Result(s)

Validation Kit		Measured SAR 250mW	SAR	Measured SAR (normalized	Measured SAR (normalized	Target SAR (normalized to	•	Liquid Temp.	Measured
Valladi		1g (W/kg)	250mW 10g (W/kg)	to 1W) 1g (W/kg)	to 1W) 10g (W/kg)	1W) (±10%) 1-g(W/kg)	1W) (±10%) 10-g(W/kg)	(℃)	Date
D750) (0	Head	1.96	1.29	7.84	5.16	8.17 (7.35~8.99)	5.36 (4.82~5.9)	22.1	2018/12/17
D750V3	Body	2.11	1.40	8.44	5.60	8.57 (7.71~9.43)	5.66 (5.09~6.23)	22.1	2018/12/19
D835V2	Head	2.40	1.58	9.60	6.32	9.59 (8.63~10.55)	6.29 (5.66~6.92)	22.1	2018/12/17
D033V2	Body	2.45	1.61	9.80	6.44	9.65 (8.69~10.62)	6.46 (5.81~7.11)	22.1	2018/12/20
D1750V2	Head	8.82	4.73	35.28	18.92	36.7 (33.03~40.37)	19.5 (17.55~21.45)	22.3	2018/12/15
D1730V2	Body	9.12	4.85	36.48	19.40	37 (33.30~40.70)	19.7 (17.73~21.67)	22.3	2018/12/19
	Head	10.30	5.35	41.20	21.40	40.7 (36.63~44.77)	21.1 (18.99~23.21)	22.1	2018/12/18
D1900V2	Body	10.40	5.48	41.60	21.92	41.6 (37.44~45.76)	21.4 (19.26~23.54)	22.1	2018/12/18
	Body	11.10	5.61	44.40	22.44	41.6 (37.44~45.76)	21.4 (19.26~23.54)	22.3	2018/12/27
D2450V2	Head	13.30	6.10	53.20	24.40	53.1 (47.79~58.41)	24.9 (22.41~27.39)	22.0	2018/12/17
D2430V2	Body	12.20	5.73	48.80	22.92	51.0 (45.9~56.1)	23.5 (21.15~25.85)	22.0	2018/12/17
D2600V2	Head	14.00	6.23	56.00	24.92	56.6 (50.94~62.26)	25.4 (22.86~27.94)	22.3	2018/12/20
D2000V2	Body	12.70	5.76	50.80	23.04	54.2 (48.78~59.62)	24.3 (21.87~26.73)	22.3	2018/12/18
Validat	ion Kit	Measured SAR 100mW	100mvv	Measured SAR (normalized to 1W)	Measured SAR (normalized to 1W)	1W) (±10%)	Target SAR (normalized to 1W) (±10%)	Liquid Temp. (°C)	Measured Date
		1g (W/kg)	10g (W/kg)	1g (W/kg)	10g (W/kg)	1-g(W/kg)	10-g(W/kg)	()	
	Head (5.6GHz)	7.67	2.16	76.70	21.60	80.4 (72.36~88.44)	22.8 (20.52~25.08)	22.2	2018/12/18
D5GHzV2	Body (5.6GHz)	8.44	2.29	84.40	22.90	81.1 (72.99~89.21)	22.9 (20.61~25.19)	22.2	2018/12/19
	Body (5.75GHz)	7.03	1.95	70.30	19.50	74.8 (67.32~82.28)	21 (18.9~23.1)	22.2	2018/12/19

Table 5: SAR System Check Result

6.2.3 Detailed System Check Results

Please see the Appendix A

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7 Test Configuration

7.1 3G SAR Test Reduction Procedure

According to KDB 941225D01, in the following procedures, the mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ 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.

7.2 Operation Configurations

7.2.1 GSM Test Configuration

SAR tests for GSM 850 and GSM 1900, a communication link is set up with a base station by air link. Using CMW500 the power lever is set to "5" and "0" in SAR of GSM 850 and GSM 1900. The tests in the band of GSM 850 and GSM 1900 are performed in the mode of GPRS/EGPRS function. Since the GPRS class is 12 for this EUT, it has at most 4 timeslots in uplink and at most 4 timeslots in downlink, the maximum total timeslot is 5. The EGPRS class is 12 for this EUT, it has at most 4 timeslots in uplink, and at most 4 timeslots in downlink, the maximum total timeslot is 5.

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

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

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

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7.2.2 WCDMA Test Configuration

1) . Output Power Verification

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

2) . Head SAR

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

3) . Body SAR

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

4) . HSDPA / HSUPA / DC-HSDPA

According to KDB 941225 D01v03, RMC 12.2kbps setting is used to evaluate SAR. If the maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA is ≤ ¼ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA

HSDPA a)

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

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No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

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

Note1: \triangle ACK, \triangle NACK and \triangle CQI= 8 Ahs = β hs/ β c=30/15 β hs=30/15* β c

Note2:For the HS-DPCCH power mask requirement test in clause 5.2C,5.7A,and the Error Vector Magnitude(EVM) with HS-DPCCH test in clause 5.13.1.A,and HSDPA EVM with phase discontinuity in clause 5.13.1AA, \triangle ACK and \triangle NACK= 8 (Ahs=30/15) with β hs=30/15* β c,and \triangle CQI=

7 (Ahs=24/15) with β hs=24/15* β c.

Note3: CM=1 for β c/ β d =12/15, β hs/ β c=24/15. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.

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

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

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

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	HS-DSCH Category	Maximum HS-DSCH Codes Received	Minimum Inter- TTI Interval	MaximumH S-DSCH Transport BlockBits/HS- DSCH TTI	Total Soft Channel Bits	
	1 5		3	7298	19200	
	2	5	3	7298	28800	
	3	5	2	7298	28800	
f	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	2 1	25251	172800	
	10	15	1	27952	172800	
	11	5	2	3630	14400	
	12	5	1	3630	28800	
	13	15	1	34800	259200	
	14	15	1	42196	259200	
\	15	15	1	23370	345600	
	16	15	1	27952	345600	

Table 7: HSDPA UE category

b) HSUPA

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

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Sub -test₽	βοθ	βd↔	βd (SF)	β₀∕β⋴ℴ	β _{hs} (1)+³	β _{ec+} 2	$eta_{ ext{ed}} arphi$	β _e « « (SF	β _{ed} ↔ (code)↔	CM ⁽ 2)↔ (dB)↔	MP R↓ (dB)↓	AG(4)+/ Inde x4	E- TFC I&
10	11/15(3)+3	15/15(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(64₽	11/15(3)43	22/15₽	209/22 5₊³	1039/225₽	4₽	1₽	1.0₽	0.0₽	20₽	75₽
20	6/15₽	15/15₽	64₽	6/15₽	12/15₽	12/15₽	94/75₽	4₽	1₽	3.0₽	2.0₽	120	67₽
3₽	15/150	9/15₽	64₽	15/9₽	30/15₽	30/15₽	β _{ed1} :47/1 5 ₄ β _{ed2:} 47/1 5 ₄	4.	2₽	2.0₽	1.0₽	15.0	92₽
4₽	2/15₽	15/15₽	64₽	2/15₽	4/15₽	2/15₽	56/75₽	4₽	1₽	3.0₽	2.0₽	17₽	71₽
5₽	15/15(4)43	15/15(4)(3	64₽	15/15(4)43	30/15₽	24/15₽	134/15₽	4₽	1₽	1.0₽	0.0₽	21₽	81₽

Note 1: \triangle ACK, \triangle NACK and \triangle CQI = 8 A_{hs} =

 $A_{hs} = \beta_{hs}/\beta_{e} = 30/15$ $\beta_{hs} = 30/15 * \beta_{e}$

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

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

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

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

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

Table 8: Subtests for UMTS Release 6 HSUPA

UE E-DCH Category	Maximum E-DCH Codes Transmitted	Number of HARQ Processes	E-DCH TTI(ms)	Minimum Speading Factor	Maximum E-DCH Transport Block Bits	Max Rate (Mbps)
1	1	4	10	4	7110	0.7296
2	2	8	2	4	2798	4.4500
2	2	4	10	4	14484	1.4592
3	2	4	10	4	14484	1.4592
4	2	8	2	2	5772	2.9185
4	2	4	10	2	20000	2.00
5	2	4	10	2	20000	2.00
6	4	8	10	2SF2&2SF	11484	5.76
(No DPDCH)	4	4	2	4	20000	2.00
7	4	8	2	2SF2&2SF	22996	?
(No DPDCH)	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 9: HSUPA UE category

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c) DC-HSDPA

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

The following tests were completed according to procedures in section 7.3.13 of 3GPP TS 34.108 v9.5.0. A summary of these settings are illustrated below:

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

Table E.5.0: Levels for HSDPA connection setup

Parameter During Connection setup	Unit	Value
P-CPICH_Ec/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 10: settings of required H-Set 12 QPSK acc. to 3GPP 34.121

Note:

- 1. The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table above.
- 2. Maximum number of transmission is limited to 1,i.e.,retransmission is not allowed. The redundancy and constellation version 0 shall be used.

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Inf. Bit Payload	120		
CRC Addition	120 24 CRC		
Code Block Segmentation	144		
Turbo-Encoding (R=1/3)		432	12 Tail Bits
1st Rate Matching		432	
RV Selection	960		
Physical Channel Segmentation	960		

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₽	βeP	βd₽	β _d (SF)₽	β_c / β_{d^p}	βhs (1)	CM(dB)(2)	MPR (dB)	
1₽	2/15₽	15/15₽	64	2/15₽	4/15₽	0.0₽	042	
20	12/15(3)	15/15(3)	64	12/15(3)	24/15₽	1.0₽	043	
3₽	15/15+	8/15	64₽	15/8₽	30/15₽	1.50	0.5+	
40	15/15-	4/15₽	64	15/4₽	30/15₽	1.50	0.5₽	

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

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. 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 $\beta_d=15/15$.

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

Note:

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

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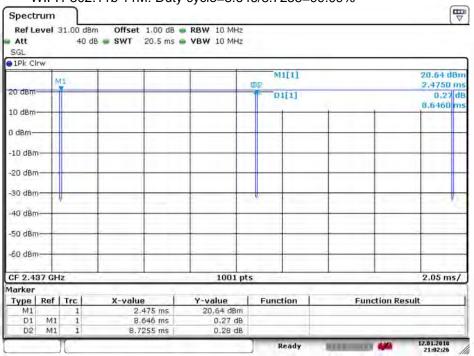
7.2.3 WiFi Test Configuration

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

7.2.3.1 **Duty cycle**

2.4GHz Wi-Fi 802.11b:

WIFI1 802.11b 11M: Duty cycle=8.646/8.7255=99.09%



Date: 12 JAN 2018 21:02:25

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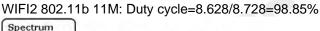
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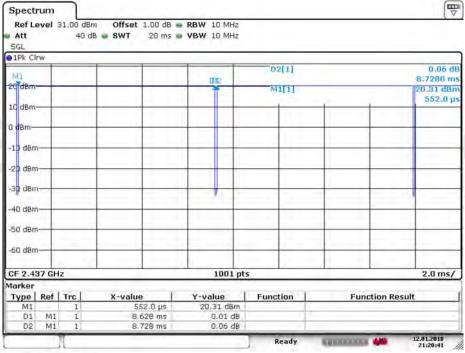
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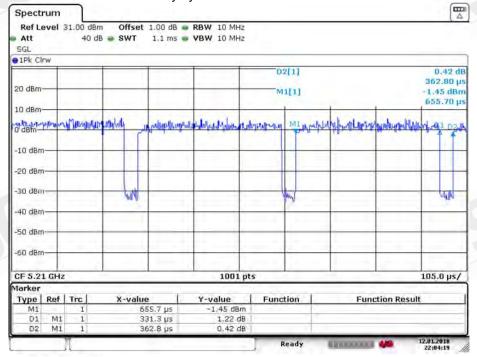




Date: 12 JAN 2018: 21-20:41

5GHz Wi-Fi 802.11a:

WIFI1 802.11ac MCS0: Duty cycle=331.3/362.8=91.32%



Date: 12.JAN.2018 22:04:19

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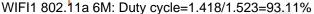
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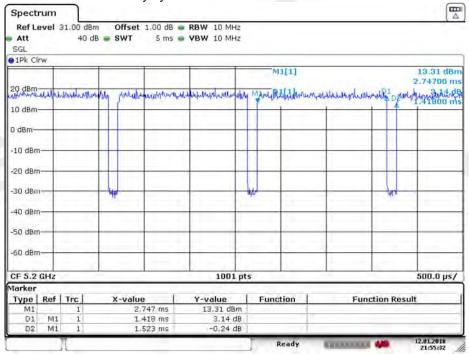
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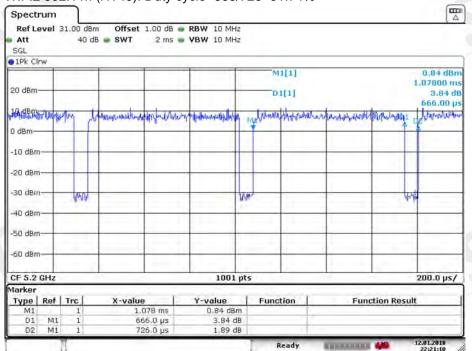
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Date 12.JAN.2018 21:55:32

WIFI2 802.11n (HT40): Duty cycle=666/726=91.74%



Date 12 JAN 2018 22:21 10

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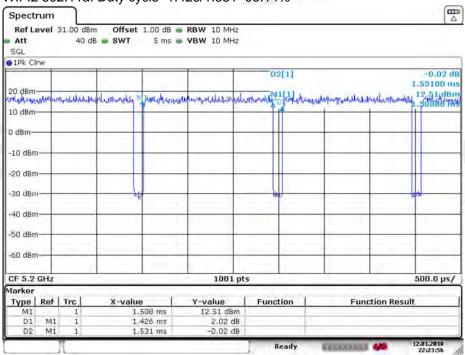
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WIFI2 802.11a: Duty cycle=1.426/1.531=93.14%



Date. 12.JAN.2018. 22:23:57

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7232 Initial

Initial Test Position SAR Test Reduction Procedure

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

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

7.2.3.3 Initial Test Configuration Procedures

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

When the *reported* SAR of the initial test configuration is > 0.8 W/kg, SAR measurement is required for subsequent next highest measured output power channel(s) in the initial test configuration until *reported* SAR is ≤ 1.2 W/kg or all required channels are tested.

7.2.3.4 Subsequent Test Configuration Procedures

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

 When SAR test exclusion provisions of KDB Publication 447498 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.

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2) . When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.

- 3) . The number of channels in the initial test configuration and subsequent test configuration can be different due to differences in channel bandwidth. When SAR measurement is required for a subsequent test configuration and the channel bandwidth is smaller than that in the initial test configuration, all channels in the subsequent test configuration that overlap with the larger bandwidth channel tested in the initial test configuration should be used to determine the highest maximum output power channel. This step requires additional power measurement to identify the highest maximum output power channel in the subsequent test configuration to determine SAR test reduction.
 - SAR should first be measured for the channel with highest measured output power in the subsequent test configuration.
 - b) SAR for subsequent highest measured maximum output power channels in the subsequent test configuration is required only when the *reported* SAR of the preceding higher maximum output power channel(s) in the subsequent test configuration is > 1.2 W/kg or until all required channels are tested. i) For channels with the same measured maximum output power, SAR should be measured using the channel closest to the center frequency of the larger channel bandwidth channel in the initial test configuration.
- 4) SAR measurements for the remaining highest specified maximum output power OFDM transmission mode configurations that have not been tested in the initial test configuration (highest maximum output) or subsequent test configuration(s) (subsequent next highest maximum output power) is determined by recursively applying the subsequent test configuration procedures in this section to the remaining configurations according to the following:
 - a) replace "subsequent test configuration" with "next subsequent test configuration" (i.e., subsequent next highest specified maximum output power configuration)
 - b) replace "initial test configuration" with "all tested higher output power configurations"

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7.2.3.5

2.4 GHz WiFi SAR Procedures

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

802.11b DSSS SAR Test Requirements

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

- 1) . When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
- 2) . When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.
- 2.4 GHz 802.11g/n OFDM SAR Test Exclusion Requirements

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

- 1) . When KDB Publication 447498 SAR test exclusion applies to the OFDM configuration.
- 2) . When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.

SAR Test Requirements for OFDM configurations

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

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7.2.3.6

5 GHz WiFi SAR Procedures

U-NII-1 and U-NII-2A Bands

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

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

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

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

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

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OFDM Transmission Mode SAR Test Configuration and Channel Selection Requirements

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

- The largest channel bandwidth configuration is selected among the multiple configurations with the same specified maximum output power.
- 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.
- 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.
- 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.
 - The channel closest to mid-band frequency is selected for SAR measurement.
 - For channels with equal separation from mid-band frequency; for example, high and low channels b) or two mid-band channels, the higher frequency (number) channel is selected for SAR measurement.

SAR Test Requirements for OFDM configurations

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

7.2.3.7 WiFi CDD/MIMO SAR Considerations

Per KDB 248227D01v02r01, simultaneous transmission provisions in KDB Publication 447498 should be used to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1-q SAR single transmission SAR measurement is <1.6W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation.

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7.2.4 LTE Test Configuration

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

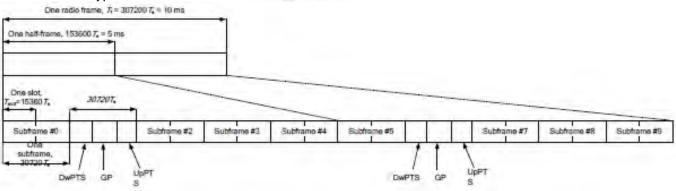
TDD LTE test consideration

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

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

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

Frame structure type 2:



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

Special	Norr	nal cyclic prefix in	downlink	Extended cyclic prefix in downlink				
subframe	DwPTS	Up	PTS	DwPTS	UpPTS			
configuration	configuration		Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		
0	6592.Ts			7680.Ts				
1	19760.Ts			20480.Ts				
2	21952.Ts	2192.Ts	2560.Ts	23040.Ts	2192.Ts	2560.Ts		
3	24144.Ts	2102.10	2000.10	25600.Ts				
4	26336.Ts			7680.Ts				
5	6592.Ts			20480.Ts				
6	19760.Ts			23040.Ts	4384.Ts	5120.Ts		
7	21952.Ts	4384.Ts	5120.Ts	25600.Ts				
8	24144.Ts	100 1110	0.23.10	-	-	-		
9	13168.Ts			=	-	-		

Uplink-downlink configurations.

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

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

Uplink- Downlink Configurat	Downlink-to- Uplink Switch- point Periodicity		Subframe Number								Calculated Duty Cycle (%)	
ion	point r enduicity	0	1	2	3	4	5	6	7	8	9	Cycle (70)
0	5 ms	D	S	U	U	U	D	S	U	U	U	63.33
1	5 ms	D	S	U	U	D	D	S	U	C	D	43.33
2	5 ms	D	S	U	D	D	D	S	U	D	D	23.33
3	10 ms	D	S	U	U	U	D	D	D	D	D	31.67
4	10 ms	D	S	U	U	D	D	D	D	D	D	21.67
5	10 ms	D	S	U	D	D	D	D	D	D	D	11.67
6	5 ms	D	S	U	J	U	D	S	U	U	D	53.33

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A) Spectrum Plots for RB Configurations

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

B) MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 V13.5.0 (2016-09) Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

C) A-MPR

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

D) Largest channel bandwidth standalone SAR test requirements

1) QPSK with 1 RB allocation

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

2) QPSK with 50% RB allocation

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

3) QPSK with 100% RB allocation

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

4) Higher order modulations

For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in above sections to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> \frac{1}{2}$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

E) Other channel bandwidth standalone SAR test requirements

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

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Test Result

8.1 **Measurement of RF Conducted Power**

8.1.1 Conducted Power of Main Antenna

8.1.1.1 Conducted Power of GSM

0.1.1.1 COIN				GSM	850 Full	Power				
Bı	ırst Output	Power(d	Bm)	00111		Division	Frame-Aver	age Output	Power(dBm)	Tune
Chann		128	190	251	Tune up	Factors	128	190	251	up
GSM(GMSK)	GSM	32.59	32.75	32.81	33.60	-9.19	23.40	23.56	23.62	24.41
	1 TX Slot	32.62	32.71	32.83	33.60	-9.19	23.43	23.52	23.64	24.41
GPRS/EGPRS		30.42	30.59	30.57	32.00	-6.18	24.24	24.41	24.39	25.82
	3 TX Slots	28.13	28.21	28.24	30.00	-4.42	23.71	23.79	23.82	25.58
	4 TX Slots	26.12	26.16	26.19	27.60	-3.17	22.95	22.99	23.02	24.43
	1 TX Slot	27.22	27.33	27.34	28.00	-9.19	18.03	18.14	18.15	18.81
ECDDC(ODCK)	2 TX Slots	24.71	24.77	24.73	26.00	-6.18	18.53	18.59	18.55	19.82
EGPRS(8PSK)	3 TX Slots	22.69	22.71	22.81	24.00	-4.42	18.27	18.29	18.39	19.58
	4 TX Slots	20.51	20.59	20.73	21.50	-3.17	17.34	17.42	17.56	18.33
				GSM '	1900 Ful	I Power				
	ırst Output	•	Bm)		Tune up	Division			Power(dBm)	
Chann		512	661	810	1	Factors	512	661	810	up
GSM(GMSK)	GSM	30.24	30.25	30.33	31.00	-9.19	21.05	21.06	21.14	21.81
	1 TX Slot	30.29	30.21	30.35	31.00	-9.19	21.10	21.02	21.16	21.81
GPRS/EGPRS	2 TX Slots	27.81	27.83	27.79	29.00	-6.18	21.63	21.65	21.61	22.82
(GMSK)	3 TX Slots	25.65	25.54	25.49	27.00	-4.42	21.23	21.12	21.07	22.58
	4 TX Slots	23.55	23.41	23.48	24.50	-3.17	20.38	20.24	20.31	21.33
	1 TX Slot	26.45	26.44	26.42	27.00	-9.19	17.26	17.25	17.23	17.81
EGPRS(8PSK)	2 TX Slots	23.72	23.63	23.51	25.00	-6.18	17.54	17.45	17.33	18.82
EGFK3(0F3K)	3 TX Slots	21.34	21.33	21.63	23.00	-4.42	16.92	16.91	17.21	18.58
	4 TX Slots	19.32	19.14	19.07	20.50	-3.17	16.15	15.97	15.90	17.33
			G	SM 190	0 (SAR s	sensor of	f)			
Bu	ırst Output	Power(d	Bm)		Tune up	Division	Frame-Aver	age Output	Power(dBm)	Tune
Chann		512	661	810	·	Factors	512	661	810	up
GSM(GMSK)	GSM	26.94	26.91	26.82	28.00	-9.19	17.75	17.72	17.63	18.81
	1 TX Slot	26.93	26.90	26.81	28.00	-9.19	17.74	17.71	17.62	18.81
GPRS/EGPRS	2 TX Slots	24.70	24.60	24.60	26.00	-6.18	18.52	18.42	18.42	19.82
(GMSK)	3 TX Slots	22.60	22.50	22.50	24.00	-4.42	18.18	18.08	18.08	19.58
	4 TX Slots	20.50	20.40	20.30	21.50	-3.17	17.33	17.23	17.13	18.33
	1 TX Slot	22.71	22.62	22.63	24.00	-9.19	13.52	13.43	13.44	14.81
ECDDS/0DS/A	2 TX Slots	20.59	20.45	20.47	22.00	-6.18	14.41	14.27	14.29	15.82
EGPRS(8PSK)	3 TX Slots	18.26	18.12	18.17	20.00	-4.42	13.84	13.70	13.75	15.58
	4 TX Slots	15.34	15.43	15.35	17.50	-3.17	12.17	12.26	12.18	14.33

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	GSM 1900 Body Scene (SAR sensor on Level D0&D1)											
Bu	ırst Output	Power(d	Bm)		Tune up	Division	Frame-Aver	Tune				
Chann	el	512	661	810	Turie up	Factors	512	661	810	up		
GSM(GMSK)	GSM	29.33	29.17	29.28	30.00	-9.19	20.14	19.98	20.09	20.81		
	1 TX Slot	29.42	29.21	29.32	30.00	-9.19	20.23	20.02	20.13	20.81		
GPRS/EGPRS	2 TX Slots	26.89	26.81	26.83	28.00	-6.18	20.71	20.63	20.65	21.82		
(GMSK)	3 TX Slots	24.65	24.53	24.55	26.00	-4.42	20.23	20.11	20.13	21.58		
	4 TX Slots	22.07	21.91	21.85	23.50	-3.17	18.90	18.74	18.68	20.33		
	1 TX Slot	25.12	25.04	25.03	26.00	-9.19	15.93	15.85	15.84	16.81		
ECDBC(0DCK)	2 TX Slots	22.48	22.38	22.39	24.00	-6.18	16.30	16.20	16.21	17.82		
EGPRS(8PSK)	3 TX Slots	20.16	20.02	20.04	22.00	-4.42	15.74	15.60	15.62	17.58		
	4 TX Slots		17.28	17.26	19.50	-3.17	14.15	14.11	14.09	16.33		
		GSM '	1900 Ho	tspot on	+ SAR	sensor or	Level D0&	D1				
Bu	ırst Output	Power(d	Bm)		Tungun	Division	Frame-Aver	age Output	Power(dBm)	Tune		
Chann	el	512	661	810	Tune up	Factors	512	661	810	up		
GSM(GMSK)	GSM	26.09	26.05	26.10	27.00	-9.19	16.90	16.86	16.91	17.81		
	1 TX Slot	26.12	26.07	26.08	27.00	-9.19	16.93	16.88	16.89	17.81		
GPRS/EGPRS	2 TX Slots	23.93	23.79	23.83	25.00	-6.18	17.75	17.61	17.65	18.82		
(GMSK)	3 TX Slots	21.76	21.63	21.61	23.00	-4.42	17.34	17.21	17.19	18.58		
	4 TX Slots	19.46	19.27	19.24	20.50	-3.17	16.29	16.10	16.07	17.33		
	1 TX Slot	21.84	21.73	21.68	23.00	-9.19	12.65	12.54	12.49	13.81		
	2 TX Slots	19.59	19.45	19.47	21.00	-6.18	13.41	13.27	13.29	14.82		
EGPRS(8PSK)	3 TX Slots	17.32	17.26	17.34	19.00	-4.42	12.90	12.84	12.92	14.58		
	4 TX Slots		14.34	14.42	16.50	-3.17	11.35	11.17	11.25	13.33		

Table 11: Conducted Power of GSM

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

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

- 2) . The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below: Frame-averaged power = 10 x log (Burst-averaged power mW x Slot used / 8
- 3) . When the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used

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8.1.1.2 Conducted Power of WCDMA

		WCDMA E	Band II Full Power		
		Average Cor	ducted Power(dBn	n)	
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	23.77	23.74	23.73	24.50
WCDIVIA	12.2kbps AMR	23.74	23.69	23.69	24.50
	Subtest 1	23.22	23.18	23.15	24.00
HSDPA	Subtest 2	22.69	22.66	22.63	23.50
HODEA	Subtest 3	21.68	21.62	21.58	22.50
	Subtest 4	21.67	21.63	21.63	22.50
	Subtest 1	22.19	22.14	22.10	23.00
	Subtest 2	19.78	19.73	19.66	20.50
HSUPA	Subtest 3	20.24	20.22	20.14	21.00
	Subtest 4	19.44	19.37	19.31	20.00
	Subtest 5	22.28	22.30	22.29	23.00
	Subtest 1	23.24	23.24	23.26	24.00
OC-HSDPA	Subtest 2	22.72	22.74	22.73	23.50
JO HODI A	Subtest 3	21.71	21.74	21.72	22.50
	Subtest 4	21.74	21.74	21.76	22.50
			I Hotspot on+sensor		
			ducted Power(dBn	•	_
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	18.76	18.74	18.65	19.50
WODIVIA	12.2kbps AMR	18.70	18.69	18.59	19.50
	Subtest 1	18.19	18.19	18.06	19.00
HSDPA	Subtest 2	17.67	17.66	17.53	18.50
HODI A	Subtest 3	16.62	16.65	16.50	17.50
	Subtest 4	16.64	16.65	16.49	17.50
	Subtest 1	17.16	17.17	17.01	18.00
	Subtest 2	14.73	14.73	14.55	15.50
HSUPA	Subtest 3	15.18	15.25	15.04	16.00
	Subtest 4	14.31	14.44	14.20	15.00
	Subtest 5	17.29	17.33	17.17	18.00
	Subtest 1	18.22	18.19	18.10	19.00
OC-HSDPA	Subtest 2	17.71	17.67	17.60	18.50
50-115D1 A	Subtest 3	16.73	16.66	16.61	17.50
	Subtest 4	16.74	16.69	16.65	17.50
		WCDMA Band I	I Hotspot on+sensor	or on	
		Average Cor	ducted Power(dBn	n)	
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	18.21	18.25	18.17	19.00
VVCDIVIA	12.2kbps AMR	18.16	18.20	18.14	19.00
	Subtest 1	17.63	17.68	17.59	18.50
HSDPA	Subtest 2	17.13	17.17	17.08	18.00
IISUFA	Subtest 3	16.09	16.13	16.08	17.00
	Subtest 4	16.09	16.16	16.05	17.00
HSUPA	Subtest 1	16.59	16.64	16.58	17.50

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	Subtest 2	14.10	14.16	14.16	15.00
	Subtest 3	14.64	14.73	14.63	15.50
	Subtest 4	13.81	13.87	13.78	14.50
	Subtest 5	16.72	16.81	16.75	17.50
	Subtest 1	17.67	17.71	17.64	18.50
DO HODDA	Subtest 2	17.18	17.20	17.12	18.00
DC-HSDPA	Subtest 3	16.14	16.16	16.08	17.00
	Subtest 4	16.20	16.24	16.12	17.00
	WCDMA Band	l II Body Scene	(0mm) (SAR senso	or on Level D0&D1)	
		•	nducted Power(dBn		
Channel		9262	9400	9538	Tune up
14/00144	12.2kbps RMC	20.30	20.37	20.40	21.50
WCDMA	12.2kbps AMR	20.48	20.45	20.39	21.50
	Subtest 1	19.71	19.69	19.68	21.00
11005	Subtest 2	19.13	19.06	19.09	20.50
HSDPA	Subtest 3	18.35	18.38	18.38	19.50
	Subtest 4	18.38	18.41	18.44	19.50
	Subtest 1	19.17	19.18	19.34	20.00
	Subtest 2	16.41	16.04	16.21	17.50
HSUPA	Subtest 3	16.76	16.87	16.89	18.00
	Subtest 4	16.08	16.14	16.17	17.00
	Subtest 5	19.05	19.11	19.21	20.00
	Subtest 1	19.70	19.60	19.62	21.00
	Subtest 2	19.11	19.01	19.04	20.50
DC-HSDPA	Subtest 3	18.33	18.32	18.34	19.50
	Subtest 4	18.32	18.35	18.41	19.50
			or on Level D0&D1		
			nducted Power(dBn	· · · · · · · · · · · · · · · · · · ·	
Channel		9262	9400	9538	Tune up
	12.2kbps RMC	15.34	15.39	15.43	16.50
WCDMA	12.2kbps AMR	15.54	15.48	15.46	16.50
	Subtest 1	14.69	14.70	14.72	16.00
	Subtest 2	14.05	14.03	14.07	15.50
HSDPA	Subtest 3	13.34	13.30	13.30	14.50
	Subtest 4	13.36	13.34	13.37	14.50
	Subtest 1	14.16	14.13	14.22	15.00
	Subtest 2	11.02	10.99	11.06	12.50
HSUPA	Subtest 3	11.88	11.89	11.91	13.00
	Subtest 4	11.11	10.99	11.03	12.00
	Subtest 5	14.19	14.28	14.21	15.00
	Subtest 1	14.58	14.67	14.66	16.00
	Subtest 2	14.00	13.95	14.01	15.50
DC-HSDPA	Subtest 3	13.31	13.23	13.26	14.50
	Subtest 4	13.32	13.28	13.31	14.50

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		WCDMA B	and IV Full Power		
		Average Con	ducted Power(dBn	n)	
Channel		1312	1412	1513	Tune up
MODMA	12.2kbps RMC	23.29	23.31	23.36	24.00
WCDMA	12.2kbps AMR	23.24	23.28	23.32	24.00
	Subtest 1	22.73	22.73	22.78	23.50
HSDPA	Subtest 2	22.19	22.23	22.26	23.00
ПЗДРА	Subtest 3	21.67	21.69	21.73	22.50
	Subtest 4	21.66	21.70	21.75	22.50
	Subtest 1	21.23	21.23	21.25	22.00
	Subtest 2	18.77	18.81	18.76	20.00
HSUPA	Subtest 3	19.32	19.28	19.29	20.50
	Subtest 4	18.48	18.45	18.40	19.50
	Subtest 5	21.40	21.46	21.50	22.00
	Subtest 1	22.76	22.77	22.82	23.50
DC-HSDPA	Subtest 2	22.27	22.28	22.35	23.00
JC-HSDPA	Subtest 3	21.70	21.77	21.79	22.50
	Subtest 4	21.74	21.79	21.86	22.50
	,	WCDMA Band IV	/ Hotspot on+sens	or off	
		Average Con	ducted Power(dBn	n)	
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	18.16	18.18	18.35	19.00
WCDIVIA	12.2kbps AMR	18.14	18.14	18.30	19.00
	Subtest 1	17.63	17.59	17.76	18.50
HSDPA	Subtest 2	17.09	17.06	17.26	18.00
HODEA	Subtest 3	16.56	16.54	16.73	17.50
	Subtest 4	16.59	16.56	16.72	17.50
	Subtest 1	16.08	16.06	16.21	17.00
	Subtest 2	13.64	13.64	13.78	15.00
HSUPA	Subtest 3	14.16	14.09	14.28	15.50
	Subtest 4	13.35	13.20	13.41	14.50
	Subtest 5	16.35	16.35	16.52	17.00
	Subtest 1	17.62	17.66	17.85	18.50
DC-HSDPA	Subtest 2	17.08	17.12	17.33	18.00
JC-HSDPA	Subtest 3	16.59	16.58	16.81	17.50
	Subtest 4	16.65	16.67	16.80	17.50
	,	WCDMA Band IV	/ Hotspot on+sens	or on	
		Average Con	ducted Power(dBn	n)	
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	16.28	16.27	16.14	17.00
VVCDIVIA	12.2kbps AMR	16.25	16.24	16.10	17.00
	Subtest 1	15.74	15.73	15.56	16.50
ПСББА	Subtest 2	15.23	15.20	15.03	16.00
HSDPA	Subtest 3	14.69	14.66	14.50	15.50
	Subtest 4	14.71	14.67	14.51	15.50
HSUPA	Subtest 1	14.21	14.18	14.03	15.00

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	Subtest 2	11.77	11.75	11.54	13.00
	Subtest 3	12.28	12.24	12.10	13.50
	Subtest 4	11.38	11.41	11.24	12.50
	Subtest 5	14.42	14.43	14.31	15.00
	Subtest 1	15.75	15.75	15.60	16.50
DC-HSDPA	Subtest 2	15.27	15.23	15.09	16.00
DC-HSDPA	Subtest 3	14.74	14.76	14.62	15.50
	Subtest 4	14.77	14.75	14.62	15.50
	WCDMA E	Band IV Body Sc	ene (SAR sensor o	n Level D0&D1)	
		Average Cor	nducted Power(dBr	n)	
Channel		1312	1412	1513	Tune up
MCDMA	12.2kbps RMC	21.26	21.31	21.15	22.00
WCDMA	12.2kbps AMR	21.18	21.17	21.09	22.00
	Subtest 1	20.83	20.38	20.47	21.50
HSDPA	Subtest 2	19.55	19.46	19.63	21.00
порра	Subtest 3	19.10	18.95	19.14	20.50
	Subtest 4	19.09	19.00	19.12	20.50
	Subtest 1	18.98	18.87	18.85	20.00
	Subtest 2	16.83	16.71	16.45	18.00
HSUPA	Subtest 3	16.98	16.94	16.88	18.50
	Subtest 4	15.97	15.86	15.89	17.50
	Subtest 5	19.23	19.36	19.28	20.00
	Subtest 1	20.77	20.31	20.43	21.50
DC HCDD4	Subtest 2	19.52	19.41	19.62	21.00
DC-HSDPA	Subtest 3	19.05	18.91	19.10	20.50
	Subtest 4	19.07	18.97	19.05	20.50

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		WCDMA E	and V Full Power		
		Average Con	ducted Power(dBm	1)	
Ch	nannel	4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	23.61	23.66	23.72	24.50
VVCDIVIA	12.2kbps AMR	23.55	23.61	23.66	24.50
	Subtest 1	23.48	23.60	23.63	24.50
HCDDA	Subtest 2	23.08	23.19	23.21	24.00
HSDPA	Subtest 3	22.68	22.70	22.77	23.50
	Subtest 4	22.60	22.70	22.75	23.50
	Subtest 1	23.02	23.10	23.17	24.00
	Subtest 2	20.61	20.69	20.72	21.50
HSUPA	Subtest 3	21.66	21.67	21.82	22.50
	Subtest 4	20.79	20.82	20.84	21.50
	Subtest 5	22.29	22.31	22.41	23.00
	Subtest 1	23.46	23.53	23.58	24.50
	Subtest 2	23.21	23.25	23.28	24.00
DC-HSDPA	Subtest 3	22.64	22.70	22.73	23.50
	Subtest 4	22.70	22.74	22.81	23.50

Table 12: Conducted Power of WCDMA

Note:

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

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8.1.1.3 Conducted Power of LTE

	LTE Band 2 Ful	I Power		(Conducted Po	ower(dBm)	
Dan abadalda	Madulatian	DD -:	DD -#	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	18607	18900	19193	Tune up
		1	0	23.41	23.30	23.49	24.00
		1	2	23.01	23.16	23.11	24.00
		1	5	23.20	23.21	23.23	24.00
	QPSK	3	0	23.37	23.24	23.45	24.00
		3	2	22.95	23.12	23.08	24.00
		3	3	23.16	23.19	23.18	24.00
		6	0	22.21	22.21	22.17	23.00
		1	0	22.58	22.64	22.61	23.00
		1	2	22.25	22.43	22.21	23.00
		1	5	22.44	22.56	22.46	23.00
1.4MHz	16QAM	3	0	22.54	22.59	22.57	23.00
		3	2	22.23	22.40	22.16	23.00
		3	3	22.42	22.54	22.41	23.00
		6	0	21.14	21.16	21.14	22.00
		1	0	21.41	21.33	21.59	22.00
		1	2	21.04	21.18	21.14	22.00
		1	5	21.23	21.24	21.29	22.00
	64QAM	3	0	21.42	21.29	21.55	22.00
		3	2	21.04	21.17	21.10	22.00
		3	3	21.17	21.28	21.24	22.00
		6	0	20.29	20.26	20.22	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung un
Danuwium	IVIOGUIALIOIT	KD SIZE	KD Ollset	18615	18900	19185	Tune up
		1	0	23.44	23.34	23.53	24.00
		1	7	23.03	23.20	23.13	24.00
		1	14	23.22	23.25	23.28	24.00
	QPSK	8	0	22.27	22.22	22.32	23.00
		8	4	22.21	22.25	22.15	23.00
		8	7	22.22	22.24	22.25	23.00
		15	0	22.24	22.25	22.20	23.00
		1	0	22.62	22.69	22.67	23.00
		1	7	22.30	22.47	22.25	23.00
3MHz		1	14	22.48	22.58	22.49	23.00
SIVII 12	16QAM	8	0	21.23	21.16	21.18	22.00
		8	4	21.11	21.20	21.13	22.00
		8	7	21.14	21.21	21.18	22.00
		15	0	21.18	21.19	21.19	22.00
		1	0	21.47	21.40	21.57	22.00
		1	7	21.04	21.22	21.21	22.00
	64QAM	1	14	21.25	21.32	21.30	22.00
	04QAW	8	0	20.32	20.27	20.36	21.00
		8	4	20.25	20.30	20.23	21.00
	1	8	7	20.29	20.31	20.28	21.00

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		15	0	20.27	20.33	20.20	21.00
			-	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	18625	18900	19175	Tune up
		1	0	23.50	23.40	23.55	24.00
		1	13	23.08	23.22	23.18	24.00
	1	1	24	23.26	23.29	23.32	24.00
	QPSK	12	0	22.31	22.27	22.37	23.00
		12	6	22.25	22.30	22.21	23.00
		12	13	22.26	22.27	22.30	23.00
	\	25	0	22.28	22.30	22.26	23.00
		1	0	22.65	22.73	22.70	23.00
		1	13	22.35	22.49	22.28	23.00
		1	24	22.53	22.60	22.53	23.00
5MHz	16QAM	12	0	21.27	21.22	21.23	22.00
		12	6	21.16	21.24	21.19	22.00
		12	13	21.18	21.27	21.23	22.00
		25	0	21.22	21.24	21.22	22.00
		1	0	21.57	21.46	21.64	22.00
		1	13	21.10	21.22	21.21	22.00
		1	24	21.26	21.29	21.38	22.00
	64QAM	12	0	20.33	20.30	20.42	21.00
		12	6	20.28	20.32	20.28	21.00
	<u> </u>	12	13	20.33	20.29	20.31	21.00
		25	0	20.35	20.31	20.29	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up
Danuwium	Wodulation	ND SIZE	KD Ollset	18650	18900	19150	Tune up
		1	0	23.54	23.44	23.60	24.00
		1	25	23.12	23.24	23.21	24.00
		1	40		23.32	00.05	0400
			49	23.31	23.32	23.35	24.00
	QPSK	25	0	23.31 22.35	23.32	23.35	23.00
	QPSK	•					
	QPSK	25 25 25	0 13 25	22.35 22.27 22.29	22.32 22.34 22.31	22.40	23.00
	QPSK	25 25	0 13	22.35 22.27 22.29 22.34	22.32 22.34 22.31 22.33	22.40 22.27 22.34 22.32	23.00 23.00
	QPSK	25 25 25	0 13 25 0	22.35 22.27 22.29 22.34 22.71	22.32 22.34 22.31 22.33 22.77	22.40 22.27 22.34 22.32 22.75	23.00 23.00 23.00
	QPSK	25 25 25 25 50	0 13 25 0 0 25	22.35 22.27 22.29 22.34 22.71 22.38	22.32 22.34 22.31 22.33 22.77 22.54	22.40 22.27 22.34 22.32 22.75 22.32	23.00 23.00 23.00 23.00
		25 25 25 50 1 1	0 13 25 0 0 25 49	22.35 22.27 22.29 22.34 22.71 22.38 22.58	22.32 22.34 22.31 22.33 22.77 22.54 22.64	22.40 22.27 22.34 22.32 22.75 22.32 22.55	23.00 23.00 23.00 23.00 23.00
10MHz	QPSK 16QAM	25 25 25 50 1 1 1 25	0 13 25 0 0 25 49	22.35 22.27 22.29 22.34 22.71 22.38 22.58 21.32	22.32 22.34 22.31 22.33 22.77 22.54 22.64 21.28	22.40 22.27 22.34 22.32 22.75 22.32 22.55 21.28	23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00
10MHz		25 25 25 50 1 1 1 25 25	0 13 25 0 0 25 49 0	22.35 22.27 22.29 22.34 22.71 22.38 22.58 21.32 21.19	22.32 22.34 22.31 22.33 22.77 22.54 22.64 21.28 21.27	22.40 22.27 22.34 22.32 22.75 22.32 22.55 21.28 21.23	23.00 23.00 23.00 23.00 23.00 23.00 23.00
10MHz		25 25 25 50 1 1 1 25 25 25	0 13 25 0 0 25 49 0 13 25	22.35 22.27 22.29 22.34 22.71 22.38 22.58 21.32 21.19 21.21	22.32 22.34 22.31 22.33 22.77 22.54 22.64 21.28 21.27 21.30	22.40 22.27 22.34 22.32 22.75 22.32 22.55 21.28 21.23 21.27	23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00
10MHz		25 25 25 50 1 1 1 25 25	0 13 25 0 0 25 49 0 13 25 0	22.35 22.27 22.29 22.34 22.71 22.38 22.58 21.32 21.19 21.21 21.25	22.32 22.34 22.31 22.33 22.77 22.54 22.64 21.28 21.27 21.30 21.28	22.40 22.27 22.34 22.32 22.75 22.32 22.55 21.28 21.23 21.27 21.25	23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00
10MHz		25 25 25 50 1 1 1 25 25 25 50 1	0 13 25 0 0 25 49 0 13 25 0	22.35 22.27 22.29 22.34 22.71 22.38 22.58 21.32 21.19 21.21 21.25 21.56	22.32 22.34 22.31 22.33 22.77 22.54 22.64 21.28 21.27 21.30 21.28 21.47	22.40 22.27 22.34 22.32 22.75 22.32 22.55 21.28 21.23 21.27 21.25 21.64	23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00
10MHz		25 25 25 50 1 1 1 25 25 25 50 1	0 13 25 0 0 25 49 0 13 25 0 0	22.35 22.27 22.29 22.34 22.71 22.38 22.58 21.32 21.19 21.21 21.25 21.56 21.17	22.32 22.34 22.31 22.33 22.77 22.54 22.64 21.28 21.27 21.30 21.28 21.47 21.24	22.40 22.27 22.34 22.32 22.75 22.32 22.55 21.28 21.23 21.27 21.64 21.23	23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00
10MHz	16QAM	25 25 25 50 1 1 1 25 25 25 50 1 1	0 13 25 0 0 25 49 0 13 25 0 0 0 25	22.35 22.27 22.29 22.34 22.71 22.38 22.58 21.32 21.19 21.21 21.25 21.56 21.17 21.39	22.32 22.34 22.31 22.33 22.77 22.54 22.64 21.28 21.27 21.30 21.28 21.47 21.24 21.34	22.40 22.27 22.34 22.32 22.75 22.32 22.55 21.28 21.23 21.27 21.25 21.64 21.23 21.43	23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
10MHz		25 25 25 50 1 1 1 25 25 25 50 1 1 1 25	0 13 25 0 0 0 25 49 0 13 25 0 0 0 25 49	22.35 22.27 22.29 22.34 22.71 22.38 22.58 21.32 21.19 21.21 21.25 21.56 21.17 21.39 20.36	22.32 22.34 22.31 22.33 22.77 22.54 22.64 21.28 21.27 21.30 21.28 21.47 21.24 21.34 20.38	22.40 22.27 22.34 22.32 22.75 22.32 22.55 21.28 21.23 21.27 21.25 21.64 21.23 21.43 20.47	23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
10MHz	16QAM	25 25 25 50 1 1 1 25 25 25 50 1 1 1 1 25 25	0 13 25 0 0 0 25 49 0 13 25 0 0 25 49 0 0	22.35 22.27 22.29 22.34 22.71 22.38 22.58 21.32 21.19 21.21 21.25 21.56 21.17 21.39 20.36 20.31	22.32 22.34 22.31 22.33 22.77 22.54 22.64 21.28 21.27 21.30 21.28 21.47 21.24 21.34 20.38 20.42	22.40 22.27 22.34 22.32 22.75 22.32 22.55 21.28 21.23 21.27 21.64 21.23 21.43 20.47 20.27	23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 21.00
10MHz	16QAM	25 25 25 50 1 1 1 25 25 25 50 1 1 1 25	0 13 25 0 0 0 25 49 0 13 25 0 0 0 25 49	22.35 22.27 22.29 22.34 22.71 22.38 22.58 21.32 21.19 21.21 21.25 21.56 21.17 21.39 20.36	22.32 22.34 22.31 22.33 22.77 22.54 22.64 21.28 21.27 21.30 21.28 21.47 21.24 21.34 20.38	22.40 22.27 22.34 22.32 22.75 22.32 22.55 21.28 21.23 21.27 21.25 21.64 21.23 21.43 20.47	23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00

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Pondwidth	Modulation	DD oizo	DD offeet	Channel	Channel	Channel	Tupa un
Bandwidth	Modulation	RB size	RB offset	18675	18900	19125	Tune up
		1	0	23.56	23.49	23.63	24.00
		1	38	23.15	23.26	23.24	24.00
		1	74	23.37	23.37	23.39	24.00
	QPSK	36	0	22.40	22.37	22.43	23.00
		36	18	22.33	22.38	22.32	23.00
		36	39	22.32	22.35	22.39	23.00
		75	0	22.37	22.38	22.38	23.00
		1	0	22.75	22.80	22.80	23.00
		1	38	22.40	22.58	22.36	23.00
		1	74	22.63	22.69	22.61	23.00
15MHz	16QAM	36	0	21.38	21.32	21.33	22.00
		36	18	21.25	21.31	21.27	22.00
		36	39	21.26	21.32	21.29	22.00
		75	0	21.29	21.30	21.30	22.00
		1	0	21.61	21.50	21.68	22.00
		1	38	21.23	21.30	21.32	22.00
		1	74	21.42	21.43	21.46	22.00
	64QAM	36	0	20.46	20.46	20.52	21.00
		36	18	20.36	20.44	20.38	21.00
		36	39	20.38	20.39	20.42	21.00
		75	0	20.42	20.45	20.41	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up
Danuwium	iviodulation	KD SIZE	KD Ollset	18700	18900	19100	Tune up
		1	0	23.61	23.54	23.65	24.00
		1	50	23.20	23.30	23.30	24.00
		1	99	23.43	23.43	23.44	24.00
	QPSK	50	0	22.45	22.42	22.48	23.00
		50	25	22.37	22.40	22.35	23.00
		50	50	22.37	22.40	22.41	23.00
		100	0	22.40	22.41	22.40	23.00
		1	0	22.81	22.85	22.83	23.00
		1	50	22.44	22.63	22.40	23.00
		1	99	22.66	22.72	22.67	23.00
20MHz	16QAM	50	0	21.41	21.36	21.39	22.00
		50	25	21.28	21.33	21.30	22.00
		50	50	21.29	21.37	21.33	22.00
		100	0	21.32	21.35	21.33	22.00
		1	0	21.67	21.63	21.68	22.00
		1	50	21.25	21.34	21.35	22.00
		1	99	21.48	21.50	21.44	22.00
	64QAM	50	0	20.49	20.47	20.55	21.00
	1	50	25	20.43	20.48	20.39	21.00
		50	23	20.70	20.10	20.00	21.00
		50	50	20.40	20.48	20.44	21.00

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LTE B	and 2 Hotspot	on+sensor o	ff		Conducted Po	ower(dBm)	
Dan duvi dila	Modulation	DD size	DD offeet	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	18607	18900	19193	Tune up
		1	0	18.41	18.38	18.40	19.00
		1	2	17.67	17.77	17.66	19.00
		1	5	18.29	18.15	18.21	19.00
	QPSK 16QAM	3	0	18.38	18.31	18.30	19.00
		3	2	18.20	18.22	18.17	19.00
		3	3	18.19	18.20	18.18	19.00
		6	0	18.26	18.20	18.25	19.00
		1	0	18.66	18.59	18.60	19.00
		1	2	18.42	18.47	18.38	19.00
		1	5	18.57	18.48	18.55	19.00
1.4MHz	16QAM	3	0	18.21	18.14	18.21	19.00
		3	2	18.14	18.12	18.12	19.00
		3	3	18.13	18.17	18.09	19.00
		6	0	18.13	18.15	18.11	19.00
		1	0	18.60	18.54	18.51	19.00
		1	2	18.32	18.37	18.27	19.00
	64QAM	1	5	18.52	18.33	18.49	19.00
		3	0	18.09	18.03	18.14	19.00
		3	2	18.05	18.05	18.01	19.00
		3	3	18.06	18.05	18.04	19.00
		6	0	18.00	18.03	18.01	19.00
		DD ai-a	55 "	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	18615	18900	19185	Tune up
		1	0	18.46	18.44	18.46	19.00
		1	7	17.70	17.82	17.72	19.00
		1	14	18.31	18.21	18.26	19.00
	QPSK	8	0	18.40	18.35	18.33	19.00
		8	4	18.25	18.27	18.20	19.00
		8	7	18.22	18.25	18.24	19.00
		15	0	18.30	18.25	18.27	19.00
		1	0	18.68	18.63	18.66	19.00
		1	7	18.47	18.52	18.42	19.00
		1	14	18.61	18.54	18.60	19.00
			0	18.24	18.17	18.24	19.00
3MHz	16QAM	8					
3MHz	16QAM	8 8					19.00
3MHz	16QAM	8	4	18.16	18.15	18.15	19.00 19.00
3MHz	16QAM				18.15 18.22	18.15 18.13	19.00
3MHz	16QAM	8	4 7 0	18.16 18.16 18.17	18.15 18.22 18.19	18.15 18.13 18.15	19.00 19.00
3MHz	16QAM	8 8 15	4 7	18.16 18.16 18.17 18.56	18.15 18.22 18.19 18.48	18.15 18.13 18.15 18.54	19.00 19.00 19.00
3MHz	16QAM	8 8 15 1	4 7 0 0 7	18.16 18.16 18.17 18.56 18.36	18.15 18.22 18.19 18.48 18.39	18.15 18.13 18.15 18.54 18.32	19.00 19.00 19.00 19.00
3MHz		8 8 15 1 1	4 7 0 0 7 14	18.16 18.16 18.17 18.56 18.36 18.55	18.15 18.22 18.19 18.48 18.39 18.46	18.15 18.13 18.15 18.54 18.32 18.46	19.00 19.00 19.00 19.00 19.00
3MHz	16QAM 64QAM	8 8 15 1 1 1 8	4 7 0 0 7 14 0	18.16 18.16 18.17 18.56 18.36 18.55 18.17	18.15 18.22 18.19 18.48 18.39 18.46 18.10	18.15 18.13 18.15 18.54 18.32 18.46 18.17	19.00 19.00 19.00 19.00 19.00 19.00
3MHz		8 8 15 1 1	4 7 0 0 7 14	18.16 18.16 18.17 18.56 18.36 18.55	18.15 18.22 18.19 18.48 18.39 18.46	18.15 18.13 18.15 18.54 18.32 18.46	19.00 19.00 19.00 19.00 19.00

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				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	18625	18900	19175	Tune up
		1 0	0	18.52	18.47	18.50	19.00
		1	13	17.74	17.85	17.76	19.00
		1	24	18.34	18.25	18.30	19.00
	QPSK	12	0	18.43	18.37	18.35	19.00
		12	6	18.29	18.33	18.24	19.00
		12	13	18.27	18.29	18.28	19.00
		25	0	18.34	18.29	18.29	19.00
		1	0	18.73	18.66	18.71	19.00
		1	13	18.52	18.55	18.45	19.00
		1	24	18.66	18.57	18.64	19.00
5MHz	16QAM	12	0	18.26	18.22	18.29	19.00
		12	6	18.20	18.19	18.20	19.00
		12	13	18.21	18.28	18.18	19.00
		25	0	18.21	18.24	18.19	19.00
		1	0	18.60	18.58	18.58	19.00
		1	13	18.46	18.41	18.34	19.00
		1	24	18.53	18.47	18.58	19.00
	64QAM	12	0	18.15	18.15	18.19	19.00
		12	6	18.07	18.04	18.08	19.00
		12	13	18.09	18.14	18.09	19.00
	\	25	0	18.14	18.10	18.13	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
24.14.114.11	modulation			18650	18900	19150	Ī
		1	0	18.57	18.52	18.52	19.00
		4	75	17.78	17.87	17.81	19.00
		1	25				
		1	49	18.38	18.31	18.36	19.00
	QPSK	1 25	49	18.38 18.45	18.31 18.40	18.36 18.38	19.00 19.00
	QPSK	1 25 25	49 0 13	18.38 18.45 18.32	18.31 18.40 18.36	18.36 18.38 18.29	19.00 19.00 19.00
	QPSK	1 25 25 25	49 0 13 25	18.38 18.45 18.32 18.32	18.31 18.40 18.36 18.32	18.36 18.38 18.29 18.32	19.00 19.00 19.00 19.00
	QPSK	1 25 25 25 25 50	49 0 13 25 0	18.38 18.45 18.32 18.32 18.39	18.31 18.40 18.36 18.32 18.32	18.36 18.38 18.29 18.32 18.32	19.00 19.00 19.00 19.00 19.00
	QPSK	1 25 25 25 25 50 1	49 0 13 25 0	18.38 18.45 18.32 18.32 18.39 18.76	18.31 18.40 18.36 18.32 18.32 18.72	18.36 18.38 18.29 18.32 18.32 18.76	19.00 19.00 19.00 19.00 19.00
	QPSK	1 25 25 25 25 50 1	49 0 13 25 0 0 25	18.38 18.45 18.32 18.32 18.39 18.76 18.56	18.31 18.40 18.36 18.32 18.32 18.72 18.61	18.36 18.38 18.29 18.32 18.32 18.76 18.51	19.00 19.00 19.00 19.00 19.00 19.00
101114		1 25 25 25 50 1 1 1	49 0 13 25 0 0 25 49	18.38 18.45 18.32 18.32 18.39 18.76 18.56 18.69	18.31 18.40 18.36 18.32 18.32 18.72 18.61 18.60	18.36 18.38 18.29 18.32 18.32 18.76 18.51 18.66	19.00 19.00 19.00 19.00 19.00 19.00 19.00
10MHz	QPSK 16QAM	1 25 25 25 50 1 1 1 1 25	49 0 13 25 0 0 25 49 0	18.38 18.45 18.32 18.32 18.39 18.76 18.56 18.69 18.32	18.31 18.40 18.36 18.32 18.32 18.72 18.61 18.60 18.27	18.36 18.38 18.29 18.32 18.32 18.76 18.51 18.66 18.34	19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00
10MHz		1 25 25 25 50 1 1 1 25 25	49 0 13 25 0 0 25 49 0	18.38 18.45 18.32 18.32 18.39 18.76 18.56 18.69 18.32 18.23	18.31 18.40 18.36 18.32 18.32 18.72 18.61 18.60 18.27 18.24	18.36 18.38 18.29 18.32 18.32 18.76 18.51 18.66 18.34 18.23	19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00
10MHz		1 25 25 25 50 1 1 1 25 25 25	49 0 13 25 0 0 25 49 0 13 25	18.38 18.45 18.32 18.32 18.39 18.76 18.56 18.69 18.32 18.23 18.25	18.31 18.40 18.36 18.32 18.32 18.72 18.61 18.60 18.27 18.24 18.31	18.36 18.38 18.29 18.32 18.32 18.76 18.51 18.66 18.34 18.23 18.21	19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00
10MHz		1 25 25 25 50 1 1 1 25 25 25 25	49 0 13 25 0 0 25 49 0 13 25 0	18.38 18.45 18.32 18.32 18.39 18.76 18.56 18.69 18.32 18.23 18.23 18.25 18.27	18.31 18.40 18.36 18.32 18.32 18.72 18.61 18.60 18.27 18.24 18.31 18.27	18.36 18.38 18.29 18.32 18.32 18.76 18.51 18.66 18.34 18.23 18.21 18.25	19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00
10MHz		1 25 25 25 50 1 1 1 25 25 25 50 1	49 0 13 25 0 0 25 49 0 13 25 0	18.38 18.45 18.32 18.32 18.39 18.76 18.56 18.69 18.32 18.23 18.25 18.27 18.65	18.31 18.40 18.36 18.32 18.32 18.72 18.61 18.60 18.27 18.24 18.31 18.27 18.60	18.36 18.38 18.29 18.32 18.32 18.76 18.51 18.66 18.34 18.23 18.21 18.25 18.69	19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00
10MHz		1 25 25 25 50 1 1 1 25 25 25 50 1	49 0 13 25 0 0 25 49 0 13 25 0 0	18.38 18.45 18.32 18.32 18.39 18.76 18.56 18.69 18.32 18.23 18.25 18.27 18.65 18.47	18.31 18.40 18.36 18.32 18.32 18.72 18.61 18.60 18.27 18.24 18.31 18.27 18.60 18.51	18.36 18.38 18.29 18.32 18.32 18.76 18.51 18.66 18.34 18.23 18.21 18.25 18.69 18.41	19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00
10MHz	16QAM	1 25 25 25 50 1 1 1 25 25 25 50 1 1 1	49 0 13 25 0 0 25 49 0 13 25 0 0 0 25 49	18.38 18.45 18.32 18.32 18.39 18.76 18.56 18.69 18.32 18.23 18.25 18.27 18.65 18.47 18.54	18.31 18.40 18.36 18.32 18.32 18.72 18.61 18.60 18.27 18.24 18.31 18.27 18.60 18.51 18.49	18.36 18.38 18.29 18.32 18.32 18.76 18.51 18.66 18.34 18.23 18.21 18.25 18.69 18.41 18.57	19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00
10MHz		1 25 25 25 50 1 1 1 25 25 25 50 1 1 1 1 25	49 0 13 25 0 0 25 49 0 13 25 0 0 0 25 49 0	18.38 18.45 18.32 18.32 18.39 18.76 18.56 18.69 18.32 18.23 18.25 18.27 18.65 18.47 18.54 18.25	18.31 18.40 18.36 18.32 18.32 18.72 18.61 18.60 18.27 18.24 18.31 18.27 18.60 18.51 18.49 18.12	18.36 18.38 18.29 18.32 18.32 18.76 18.51 18.66 18.34 18.23 18.21 18.25 18.69 18.41 18.57 18.21	19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00
10MHz	16QAM	1 25 25 25 50 1 1 1 25 25 25 50 1 1 1 1 25 25	49 0 13 25 0 0 25 49 0 13 25 0 0 25 49 0 13 25 0 13 25 0 13 25 0 13 25 13 25 13 13 25 13 13 13 13 13 13 13 13 13 13	18.38 18.45 18.32 18.32 18.39 18.76 18.56 18.69 18.32 18.23 18.25 18.27 18.65 18.47 18.54 18.54 18.25 18.13	18.31 18.40 18.36 18.32 18.32 18.72 18.61 18.60 18.27 18.24 18.31 18.27 18.60 18.51 18.49 18.12 18.13	18.36 18.38 18.29 18.32 18.32 18.76 18.51 18.66 18.34 18.23 18.21 18.25 18.69 18.41 18.57 18.21 18.08	19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00
10MHz	16QAM	1 25 25 25 50 1 1 1 25 25 25 50 1 1 1 1 25	49 0 13 25 0 0 25 49 0 13 25 0 0 0 25 49 0	18.38 18.45 18.32 18.32 18.39 18.76 18.56 18.69 18.32 18.23 18.25 18.27 18.65 18.47 18.54 18.25	18.31 18.40 18.36 18.32 18.32 18.72 18.61 18.60 18.27 18.24 18.31 18.27 18.60 18.51 18.49 18.12	18.36 18.38 18.29 18.32 18.32 18.76 18.51 18.66 18.34 18.23 18.21 18.25 18.69 18.41 18.57 18.21	19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00 19.00

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Don dwidth	Modulation	DD size	DD offeet	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	18675	18900	19125	Tune up
		1	0	18.59	18.54	18.57	19.00
		1	38	17.82	17.92	17.84	19.00
		1	74	18.41	18.36	18.38	19.00
	QPSK	36	0	18.47	18.42	18.40	19.00
		36	18	18.35	18.38	18.33	19.00
		36	39	18.37	18.37	18.36	19.00
		75	0	18.42	18.37	18.37	19.00
		1	0	18.80	18.75	18.82	19.00
		1	38	18.58	18.67	18.56	19.00
		1	74	18.72	18.63	18.71	19.00
15MHz	16QAM	36	0	18.35	18.32	18.37	19.00
		36	18	18.27	18.30	18.29	19.00
		36	39	18.29	18.34	18.27	19.00
		75	0	18.30	18.32	18.30	19.00
		1	0	18.68	18.64	18.71	19.00
		1	38	18.44	18.52	18.44	19.00
		1	74	18.62	18.51	18.63	19.00
	64QAM	36	0	18.24	18.24	18.30	19.00
		36	18	18.14	18.22	18.21	19.00
	Modulation	36	39	18.21	18.24	18.19	19.00
		75	0	18.16	18.19	18.24	19.00
Bandwidth		RB size	RB offset	Channel	Channel	Channel	Tune up
Danawidin	Modulation	ND SIZE	IVD Ollset	18700	18900	19100	Turie up
		1	0	18.62	18.57	18.60	19.00
		1	50	17.84	17.96	17.90	19.00
		1	99	18.43	18.40	18.41	19.00
	QPSK	50	0	18.50	18.45	18.44	19.00
		50	25	18.39	18.43	18.37	19.00
		50	50	18.42	18.40	18.41	19.00
		100	0	18.44	18.41	18.40	19.00
		1	0	18.85	18.79	18.85	19.00
		1	50	18.61	18.70	18.61	19.00
		1	99	18.76	18.68	18.73	19.00
20MHz	16QAM	50	0	18.39	18.37	18.39	19.00
		50	25	18.30	18.35	18.32	19.00
		50	50	18.35	18.37	18.33	19.00
		100	0	18.34	18.35	18.33	19.00
		1	0	18.74	18.64	18.73	19.00
		1	50	18.55	18.56	18.53	19.00
		1	99	18.69	18.60	18.59	19.00
	64QAM	50	0	18.25	18.30	18.33	19.00
		50	25	18.20	18.30	18.26	19.00
İ		50	50	18.27	18.28	18.24	19.00
		30	30	10.21	10.20	10.24	19.00

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LTE Band 2 Bod	y Scene(SAR s	ensor on Le	vel D0&D1)		Conducted Po	ower(dBm)	
Dan decidab	Madulation	DD sins	DD offeet	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	18607	18900	19193	Tune u
	\ \ \	1	0	20.49	20.47	20.39	21.50
		1	2	20.29	20.35	19.91	21.50
		1	5	20.46	20.44	19.81	21.50
	QPSK	3	0	20.44	20.38	20.11	21.50
		3	2	20.21	20.54	19.99	21.50
		3	3	20.40	20.37	19.76	21.50
		6	0	20.40	20.36	20.09	21.50
		1	0	20.88	20.68	20.48	21.50
		1	2	20.63	20.45	20.24	21.50
		1	5	20.49	20.69	20.14	21.50
1.4MHz	16QAM	3	0	20.45	20.46	20.10	21.50
		3	2	20.53	20.34	19.92	21.50
		3	3	20.47	20.46	19.81	21.50
		6	0	20.50	20.35	20.08	21.50
		1	0	20.36	20.21	19.91	21.50
		1	2	20.20	20.07	19.89	21.50
		1	5	20.25	20.23	19.56	21.50
	64QAM	3	0	20.19	20.10	19.79	21.50
		3	2	20.14	20.08	19.77	21.50
		3	3	20.22	20.08	20.12	21.50
		6	0	20.13	20.09	19.75	21.00
Dandudalla	Madulation	DD sins	DD offeet	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	18615	18900	19185	Tune u
		1	0	20.57	20.51	20.48	21.50
		1	7	20.40	20.50	20.31	21.50
		1	14	20.43	20.46	19.92	21.50
	QPSK	8	0	20.48	20.53	20.43	21.50
		8	4	20.44	20.46	20.29	21.50
		8	7	20.38	20.47	20.31	21.50
		15	0	20.44	20.49	20.30	21.50
		1	0	20.84	20.86	20.59	21.50
		1	7	20.47	20.63	20.50	21.50
2MILE		1	14	20.69	20.73	20.00	21.50
3MHz	16QAM	8	0	20.51	20.49	20.40	21.50
		8	4	20.42	20.44	20.28	21.50
		8	7	20.41	20.52	20.32	21.50
		15	0	20.44	20.41	20.29	21.50
		1	0	20.36	20.45	20.15	21.50
		1	7	20.27	20.00	20.08	21.50
	040444	1	14	20.32	20.31	20.13	21.50
	64QAM	8	0	20.24	20.16	20.06	21.00
		8	4	20.16	20.17	20.11	21.00
		8	7	20.19	20.12	20.05	21.00

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		15	0	20.22	20.17	20.07	21.00
Dan desidak	Madulatian	DD -:	DD -#+	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	18625	18900	19175	Tune up
		1	0	20.57	20.53	20.57	21.50
		1	13	20.43	20.58	20.49	21.50
		1	24	20.44	20.63	19.96	21.50
	QPSK	12	0	20.60	20.57	20.50	21.50
		12	6	20.43	20.47	20.49	21.50
		12	13	20.50	20.58	20.33	21.50
		25	0	20.45	20.53	20.49	21.50
		1	0	20.82	20.80	20.82	21.50
		1	13	20.77	20.79	20.73	21.50
		1	24	20.75	20.88	20.28	21.50
5MHz	16QAM	12	0	20.51	20.54	20.49	21.50
		12	6	20.39	20.52	20.39	21.50
		12	13	20.45	20.53	20.23	21.50
		25	0	20.43	20.46	20.46	21.50
		1	0	20.41	20.60	20.37	21.50
		1	13	20.43	20.53	20.22	21.50
		1	24	20.33	20.37	19.68	21.50
	64QAM	12	0	20.35	20.40	20.27	21.00
		12	6	20.26	20.29	20.14	21.00
		12	13	20.27	20.29	20.13	21.00
		25	0	20.26	20.21	20.23	21.00
Danahadda	Madulatian	DD oizo	DD -#+	Channel	Channel	Channel	т
Bandwidth	Modulation	RB size	RB offset	18650	18900	19150	Tune up
		1	0	20.07	20.12	20.09	21.50
		1	25	20.48	20.40	20.49	21.50
		1	49	20.20	20.44	19.95	21.50
	QPSK	25	0	20.70	20.55	20.51	21.50
		25	13	20.33	20.47	20.49	21.50
		25	25	20.30	20.43	20.35	21.50
	1	50	0	20.30	20.43	20.37	21.50
		1	0	20.48	20.40	20.21	21.50
		1	25	20.60	20.66	20.69	21.50
		1	49	20.41	20.54	20.23	21.50
		25	0	20.69	20.61	20.46	21.50
10MHz	16QAM	20					
10MHz	16QAM			20.44	20.39	20.40	21.50
10MHz	16QAM	25 25	13 25	20.44	20.39	20.40	21.50 21.50
10MHz	16QAM	25	13				
10MHz	16QAM	25 25	13 25	20.27	20.40	20.37	21.50
10MHz	16QAM	25 25 50	13 25 0	20.27 20.37	20.40 20.44	20.37 20.44	21.50 21.50 21.50
10MHz	16QAM	25 25 50 1	13 25 0 0	20.27 20.37 20.03	20.40 20.44 20.04	20.37 20.44 19.76	21.50 21.50 21.50 21.50
10MHz	16QAM	25 25 50 1 1 1	13 25 0 0 25	20.27 20.37 20.03 20.17 20.06	20.40 20.44 20.04 20.17 20.26	20.37 20.44 19.76 20.22 19.68	21.50 21.50 21.50 21.50 21.50
10MHz		25 25 50 1 1	13 25 0 0 25 49 0	20.27 20.37 20.03 20.17 20.06 20.23	20.40 20.44 20.04 20.17 20.26 20.32	20.37 20.44 19.76 20.22 19.68 20.11	21.50 21.50 21.50 21.50 21.50 21.00
10MHz		25 25 50 1 1 1 25	13 25 0 0 25 49	20.27 20.37 20.03 20.17 20.06	20.40 20.44 20.04 20.17 20.26	20.37 20.44 19.76 20.22 19.68	21.50 21.50 21.50 21.50 21.50

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		55 :	55 "	Channel	Channel	Channel	_
Bandwidth	Modulation	RB size	RB offset	18675	18900	19125	Tune up
		1 0	0	19.84	19.91	19.84	21.50
		1	38	20.50	20.60	20.53	21.50
		1	74	20.46	20.46	20.13	21.50
	QPSK	36	0	20.64	20.58	20.47	21.50
		36	18	20.47	20.52	20.48	21.50
		36	39	20.51	20.60	20.54	21.50
		75	0	20.59	20.55	20.54	21.50
		1	0	20.08	20.02	20.04	21.50
		1	38	20.78	20.85	20.73	21.50
		1	74	20.63	20.60	20.36	21.50
15MHz	16QAM	36	0	20.55	20.49	20.47	21.50
		36	18	20.47	20.46	20.30	21.50
		36	39	20.44	20.51	20.31	21.50
		75	0	20.49	20.47	20.30	21.50
		1	0	19.75	19.63	19.55	21.50
		1	38	20.35	20.37	20.26	21.50
		1	74	20.25	20.29	19.88	21.50
	64QAM	36	0	20.29	20.24	20.08	21.00
		36	18	20.16	20.20	20.07	21.00
		36	39	20.18	20.25	20.06	21.00
		75	0	20.18	20.18	20.07	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Barrawiani	Modulation	118 0120	TAB GIIGGE	18700	18900	19100	·
		1	0	20.10	19.96	20.24	21.50
		1	50	20.41	20.56	20.27	21.50
		1	99	20.53	20.53	20.56	21.50
	QPSK	50	0	20.53	20.65	20.66	21.50
		50	25	20.46	20.44	20.36	21.50
		50	50	20.50	20.48	20.41	21.50
		100	0	20.51	20.61	20.37	21.50
		1	0	20.17	20.32	20.34	21.50
		1	50	20.82	20.88	20.49	21.50
		1	99	20.97	20.87	20.80	21.50
20MHz	16QAM	50	0	20.59	20.55	20.56	21.50
I From E	-	50	25	20.55	20.39	20.30	21.50
	-	50	50	20.55	20.42	20.32	21.50
		100	0	20.59	20.55	20.49	21.50
		1	0	19.83	19.89	19.73	21.50
		1	50	20.06	20.35	20.17	21.50
	040444	1	99	20.32	20.32	20.33	21.50
	64QAM	50	0	20.42	20.27	20.15	21.00
		50	25	20.27	20.18	20.11	21.00
1		50	50	20.29	20.21	20.14	21.00
	 	100	0	20.33	20.21	20.16	21.00

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LTE Band 2	SAR sensor or Hotspot		01 +Wifi		Conducted P	ower(dBm)	
			4	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	18607	18900	19193	Tune up
		1	0	15.48	15.39	15.26	16.50
		1	2	15.31	15.29	14.90	16.50
		1	5	15.53	15.56	14.80	16.50
	QPSK	3	0	15.42	15.42	15.13	16.50
		3	2	15.44	15.31	14.93	16.50
		3	3	15.47	15.42	14.81	16.50
		6	0	15.46	15.37	15.04	16.50
		1	0	15.76	15.85	15.42	16.50
		1	2	15.42	15.50	15.16	16.50
		1	5	15.64	15.55	14.91	16.50
1.4MHz	16QAM	3	0	15.35	15.29	15.21	16.50
		3	2	15.33	15.39	14.80	16.50
		3	3	15.37	15.25	14.88	16.50
		6	0	15.47	15.25	15.07	16.50
		1	0	15.40	15.31	15.16	16.50
		1	2	15.18	15.09	14.70	16.50
		1	5	15.34	15.31	14.53	16.50
	64QAM	3	0	15.28	15.15	14.88	16.50
		3	2	15.19	15.03	14.71	16.50
		3	3	15.29	15.24	14.67	16.50
		6	0	15.17	15.06	14.77	16.50
D 1 140	Madulation	DD -:	DD -#+	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	18615	18900	19185	Tune up
		1	0	15.43	15.39	15.49	16.50
		1	7	15.13	15.41	15.28	16.50
		1	14	15.34	15.39	14.73	16.50
	QPSK	8	0	15.31	15.38	15.45	16.50
		8	4	15.39	15.38	15.37	16.50
		8	7	15.55	15.32	15.35	16.50
		15	0	15.59	15.38	15.40	16.50
		1	0	15.87	15.70	15.51	16.50
		1	7	15.58	15.42	15.34	16.50
3MHz		1	14	15.66	15.50	15.04	16.50
	16QAM	8	0	15.43	15.53	15.38	16.50
		8	4	15.34	15.52	15.39	16.50
		8	7	15.47	15.58	15.38	16.50
		15	0	15.44	15.31	15.30	16.50
		1	0	15.29	15.37	15.31	16.50
		1	7	15.14	15.42	15.05	16.50
	64QAM	1	14	15.27	15.11	14.54	16.50
		8	0	15.30	15.10	15.10	16.50
		8	4	15.17	15.16	15.06	16.50

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		8	7	15.20	15.16	14.98	16.50
		15	0	15.21	15.09	15.09	16.50
			-	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	18625	18900	19175	Tune up
		1	0	15.67	15.44	15.59	16.50
		1	13	15.48	15.40	15.61	16.50
		1	24	15.42	15.46	14.93	16.50
	QPSK	12	0	15.48	15.44	15.53	16.50
		12	6	15.44	15.44	15.44	16.50
		12	13	15.48	15.52	15.46	16.50
		25	0	15.45	15.42	15.44	16.50
		1	0	15.77	15.80	15.73	16.50
		1	13	15.71	15.77	15.72	16.50
		1	24	15.77	15.79	15.08	16.50
5MHz	16QAM	12	0	15.40	15.48	15.45	16.50
		12	6	15.35	15.42	15.44	16.50
		12	13	15.43	15.46	15.41	16.50
		25	0	15.35	15.36	15.34	16.50
		1	0	15.49	15.29	15.36	16.50
		1	13	15.36	15.31	15.53	16.50
	64QAM	1	24	15.35	15.18	14.66	16.50
		12	0	15.34	15.20	15.36	16.50
		12	6	15.25	15.18	15.35	16.50
		12	13	15.30	15.11	15.19	16.50
		25	0	15.22	15.05	15.09	16.50
Donalissialth	Madulation	DD sins	DD offeet	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	18650	18900	19150	Tune up
		1	0	15.01	15.00	15.18	16.50
		1	25	15.49	15.31	15.33	16.50
		1	49	15.25	15.38	14.93	16.50
	QPSK	25	0	15.68	15.41	15.48	16.50
		25	13	15.48	15.37	15.37	16.50
		25	25	15.30	15.37	15.37	16.50
		50	0	15.29	15.36	15.39	16.50
		1	0	15.45	15.58	15.24	16.50
		1	25	15.58	15.60	15.49	16.50
10MHz		1	49	15.71	15.72	15.12	16.50
IUIVITZ	16QAM	25	0	15.38	15.34	15.38	16.50
		25	13	15.32	15.36	15.31	16.50
		25	25	15.35	15.27	15.32	16.50
		50	0	15.37	15.36	15.29	16.50
		1	0	15.16	14.83	15.19	16.50
		1	25	15.42	15.49	15.28	16.50
	64QAM	1	49	14.99	15.18	14.72	16.50
	04QAIVI	25	0	15.24	15.15	15.32	16.50
	ı	2E	13	15.24	15.20	15 10	16 FO
		25	13	13.24	15.20	15.12	16.50

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		50	0	15.22	15.18	15.21	16.50
Bandwidth	Modulation	DD size	RB offset	Channel	Channel	Channel	Tungun
Danawiath	Modulation	RB size	RD Ollset	18675	18900	19125	Tune up
		1	0	14.91	14.85	14.90	16.50
		1	38	15.51	15.55	15.53	16.50
		1	74	15.42	15.47	15.16	16.50
	QPSK	36	0	15.51	15.48	15.51	16.50
		36	18	15.47	15.55	15.38	16.50
		36	39	15.51	15.57	15.36	16.50
		75	0	15.46	15.53	15.39	16.50
		1	0	15.09	15.19	15.12	16.50
		1	38	15.85	15.92	15.61	16.50
		1	74	15.69	15.85	15.33	16.50
15MHz	16QAM	36	0	15.57	15.46	15.36	16.50
		36	18	15.44	15.45	15.29	16.50
		36	39	15.52	15.50	15.22	16.50
		75	0	15.46	15.45	15.25	16.50
		1	0	14.90	14.83	14.63	16.50
		1	38	15.44	15.30	15.40	16.50
		1	74	15.27	15.18	14.91	16.50
	64QAM	36	0	15.30	15.21	15.22	16.50
		36	18	15.19	15.23	15.17	16.50
	1	36	39	15.21	15.20	15.23	16.50
	1	75	0	15.26	15.20	15.24	16.50
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	18700	18900	19100	Tune up
		1	0	15.17	14.99	15.06	16.50
		1	50	15.37	15.38	15.42	16.50
							16.50
		1	99	15.73	15.47	15.38	10.50
	QPSK		99	15.73 15.69	15.47 15.48	15.38 15.71	
	QPSK	50	0	15.69	15.48	15.71	16.50
	QPSK	50 50	0 25	15.69 15.65	15.48 15.44	15.71 15.57	16.50 16.50
	QPSK	50 50 50	0 25 50	15.69 15.65 15.71	15.48 15.44 15.48	15.71 15.57 15.53	16.50 16.50 16.50
	QPSK	50 50 50 100	0 25 50 0	15.69 15.65 15.71 15.69	15.48 15.44 15.48 15.46	15.71 15.57 15.53 15.51	16.50 16.50 16.50 16.50
	QPSK	50 50 50 100	0 25 50 0	15.69 15.65 15.71 15.69 15.48	15.48 15.44 15.48 15.46 15.28	15.71 15.57 15.53 15.51 15.43	16.50 16.50 16.50 16.50 16.50
	QPSK	50 50 50 100 1	0 25 50 0 0 50	15.69 15.65 15.71 15.69 15.48 15.75	15.48 15.44 15.48 15.46 15.28 15.93	15.71 15.57 15.53 15.51 15.43 15.86	16.50 16.50 16.50 16.50 16.50
20MHz		50 50 50 100 1 1	0 25 50 0 0 50 99	15.69 15.65 15.71 15.69 15.48 15.75 15.94	15.48 15.44 15.48 15.46 15.28 15.93 15.85	15.71 15.57 15.53 15.51 15.43 15.86 15.85	16.50 16.50 16.50 16.50 16.50 16.50
20MHz	QPSK 16QAM	50 50 50 100 1 1 1 1 50	0 25 50 0 0 50 99	15.69 15.65 15.71 15.69 15.48 15.75 15.94 15.59	15.48 15.44 15.48 15.46 15.28 15.93 15.85 15.40	15.71 15.57 15.53 15.51 15.43 15.86 15.85 15.66	16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz		50 50 50 100 1 1 1 1 50	0 25 50 0 0 50 99 0 25	15.69 15.65 15.71 15.69 15.48 15.75 15.94 15.59	15.48 15.44 15.48 15.46 15.28 15.93 15.85 15.40 15.37	15.71 15.57 15.53 15.51 15.43 15.86 15.85 15.66 15.54	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz		50 50 50 100 1 1 1 1 50 50	0 25 50 0 0 50 99 0 25 50	15.69 15.65 15.71 15.69 15.48 15.75 15.94 15.59 15.59 15.63	15.48 15.44 15.46 15.28 15.93 15.85 15.40 15.37 15.39	15.71 15.57 15.53 15.51 15.43 15.86 15.85 15.66 15.54	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz		50 50 50 100 1 1 1 1 50 50 50	0 25 50 0 0 50 99 0 25 50	15.69 15.65 15.71 15.69 15.48 15.75 15.94 15.59 15.63 15.62	15.48 15.44 15.48 15.46 15.28 15.93 15.85 15.40 15.37 15.39 15.37	15.71 15.57 15.53 15.51 15.43 15.86 15.85 15.66 15.54 15.51 15.49	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz		50 50 50 100 1 1 1 1 50 50 50 100	0 25 50 0 0 50 99 0 25 50 0	15.69 15.65 15.71 15.69 15.48 15.75 15.94 15.59 15.59 15.63 15.62 15.15	15.48 15.44 15.48 15.46 15.28 15.93 15.85 15.40 15.37 15.39 15.37	15.71 15.57 15.53 15.51 15.43 15.86 15.85 15.66 15.54 15.51 15.49 14.88	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz		50 50 50 100 1 1 1 1 50 50 50 100 1	0 25 50 0 0 50 99 0 25 50 0 0	15.69 15.65 15.71 15.69 15.48 15.75 15.94 15.59 15.63 15.62 15.15 15.23	15.48 15.44 15.48 15.46 15.28 15.93 15.85 15.40 15.37 15.39 15.37 14.71	15.71 15.57 15.53 15.51 15.43 15.86 15.85 15.66 15.54 15.51 15.49 14.88 15.29	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz	16QAM	50 50 50 100 1 1 1 50 50 50 100 1 1	0 25 50 0 0 50 99 0 25 50 0 0 0 50	15.69 15.65 15.71 15.69 15.48 15.75 15.94 15.59 15.63 15.62 15.15 15.23 15.44	15.48 15.44 15.48 15.46 15.28 15.93 15.85 15.40 15.37 15.39 15.37 14.71 15.20 15.25	15.71 15.57 15.53 15.51 15.43 15.86 15.85 15.66 15.54 15.51 15.49 14.88 15.29 15.41	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz		50 50 50 100 1 1 1 50 50 50 100 1 1 1 1 50	0 25 50 0 0 50 99 0 25 50 0 0 50 99	15.69 15.65 15.71 15.69 15.48 15.75 15.94 15.59 15.59 15.63 15.62 15.15 15.23 15.44 15.40	15.48 15.44 15.48 15.46 15.28 15.93 15.85 15.40 15.37 15.39 15.37 14.71 15.20 15.25	15.71 15.57 15.53 15.51 15.43 15.86 15.85 15.66 15.54 15.51 15.49 14.88 15.29 15.41	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz	16QAM	50 50 50 100 1 1 1 50 50 100 1 1 1 1 50 50 50 50 50 50 50 50 50 50	0 25 50 0 0 0 50 99 0 25 50 0 0 0 50 99	15.69 15.65 15.71 15.69 15.48 15.75 15.94 15.59 15.63 15.62 15.15 15.23 15.44 15.40 15.29	15.48 15.44 15.48 15.46 15.28 15.93 15.85 15.40 15.37 15.39 15.37 14.71 15.20 15.25 15.20	15.71 15.57 15.53 15.51 15.43 15.86 15.85 15.66 15.54 15.51 15.49 14.88 15.29 15.41 15.20	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz	16QAM	50 50 50 100 1 1 1 50 50 50 100 1 1 1 1 50	0 25 50 0 0 50 99 0 25 50 0 0 50 99	15.69 15.65 15.71 15.69 15.48 15.75 15.94 15.59 15.59 15.63 15.62 15.15 15.23 15.44 15.40	15.48 15.44 15.48 15.46 15.28 15.93 15.85 15.40 15.37 15.39 15.37 14.71 15.20 15.25	15.71 15.57 15.53 15.51 15.43 15.86 15.85 15.66 15.54 15.51 15.49 14.88 15.29 15.41	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50

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LTE Band 4 F	Full power/(S/ D2&D3)		n Level		Conducted P	ower(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
		1	0	22.97	22.94	22.95	24.00
		1	2	22.54	22.68	22.60	24.00
		1	5	22.84	22.79	22.86	24.00
	QPSK	3	0	22.92	22.88	22.90	24.00
	Qi Oit	3	2	22.51	22.65	22.58	24.00
		3	3	22.81	22.74	22.81	24.00
		6	0	21.29	21.24	21.31	23.00
		1	0	21.59	21.68	21.71	23.00
		<u>;</u> 1	2	21.37	21.57	21.38	23.00
		<u>·</u> 1	5	21.66	21.62	21.54	23.00
1.4MHz	16QAM	3	0	21.55	21.64	21.66	23.00
1.701112	1007 (17)	3	2	21.34	21.52	21.33	23.00
		3	3	21.61	21.56	21.52	23.00
		6	0	20.21	20.21	20.27	22.00
		1	0	21.06	20.98	20.27	22.00
		1	2	20.64	20.73	20.69	22.00
	64QAM	1	5	20.90	20.75	20.89	22.00
		3	0	20.94	20.89	20.92	22.00
		3	2	20.58	20.67	20.59	22.00
		3	3	20.89	20.80	20.88	22.00
		6	0	19.31	19.25	19.41	21.00
		0	U	Channel	Channel	Channel	21.00
Bandwidth	Modulation	RB size	RB offset	19965	20175	20385	Tune up
		1	0	22.99	22.98	22.98	24.00
		1	7	22.58	22.73	22.65	24.00
		1	14	22.90	22.85	22.89	24.00
	QPSK	8	0	21.33	21.38	21.37	23.00
		8	4	21.23	21.31	21.31	23.00
		8	7	21.26	21.25	21.32	23.00
		15	0	21.32	21.30	21.35	23.00
		1	0	21.65	21.71	21.76	23.00
		1	7	21.42	21.61	21.42	23.00
		1	14	21.72	21.64	21.57	23.00
3MHz	16QAM	8	0	20.27	20.27	20.32	22.00
	16QAM	8	4	20.19	20.19	20.26	22.00
		()	1 .		=•		
			7	20.26	20.21	20.27	22 00
		8	7	20.26 20.27	20.21	20.27	22.00 22.00
		8 15	0	20.27	20.26	20.30	22.00
		8 15 1	0	20.27 21.06	20.26 21.06	20.30 21.04	22.00 22.00
		8 15 1	0 0 7	20.27 21.06 20.60	20.26 21.06 20.82	20.30 21.04 20.74	22.00 22.00 22.00
	64QAM	8 15 1 1	0 0 7 14	20.27 21.06 20.60 20.98	20.26 21.06 20.82 20.91	20.30 21.04 20.74 20.97	22.00 22.00 22.00 22.00
	64QAM	8 15 1	0 0 7	20.27 21.06 20.60	20.26 21.06 20.82	20.30 21.04 20.74	22.00 22.00 22.00

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	<u> </u>	15	0	19.37	19.37	19.44	21.00
		13	0	Channel	Channel	Channel	21.00
Bandwidth	Modulation	RB size	RB offset	19975	20175	20375	Tune up
		<u> </u>	0	23.01	23.04	23.04	24.00
		1	13	22.63	22.78	22.68	24.00
		1	24	22.93	22.89	22.94	24.00
	QPSK	12	0	21.37	21.41	21.40	23.00
	Q. 0.1	12	6	21.28	21.34	21.36	23.00
		12	13	21.31	21.30	21.37	23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 21.00 21.00 21.00
		25	0	21.36	21.36	21.40	
		1	0	21.69	21.75	21.82	
		1	13	21.48	21.67	21.46	
		1	24	21.77	21.66	21.61	
5MHz	16QAM	12	0	20.31	20.30	20.35	
		12	6	20.25	20.25	20.28	
		12	13	20.29	20.27	20.31	22.00
		25	0	20.32	20.31	20.32	22.00
		1	0	21.02	21.05	21.11	22.00
		1	13	20.64	20.85	20.69	22.00 22.00 21.00 21.00 21.00 21.00
		1	24	21.01	20.94	21.02	
	64QAM	12	0	19.38	19.42	19.45	
		12	6	19.38	19.44	19.40	
		12	13	19.36	19.31	19.45	21.00
	\	25	0	19.36	19.41	19.45	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune un
Banawiath	Woddiation	ND SIZE	ND onset	20000	20175	20350	•
		1	0	23.07	23.07	23.08	24.00
		1	25	22.69	22.82	22.73	24.00
		1	49	22.98	22.91	22.99	24.00
	QPSK	25	0	21.40	21.44	21.45	23.00
		25	13	21.33	21.39	21.40	23.00
		0.5					23.00
		25	25	21.35	21.36	21.41	
		50	0	21.41	21.41	21.44	23.00
		50 1	0	21.41 21.72	21.41 21.80	21.44 21.87	23.00 23.00
		50 1 1	0 0 25	21.41 21.72 21.50	21.41 21.80 21.71	21.44 21.87 21.49	23.00 23.00 23.00
	100.00	50 1 1 1	0 0 25 49	21.41 21.72 21.50 21.81	21.41 21.80 21.71 21.70	21.44 21.87 21.49 21.66	23.00 23.00 23.00 23.00
10MHz	16QAM	50 1 1 1 1 25	0 0 25 49 0	21.41 21.72 21.50 21.81 20.35	21.41 21.80 21.71 21.70 20.35	21.44 21.87 21.49 21.66 20.38	23.00 23.00 23.00 23.00 22.00
10MHz	16QAM	50 1 1 1 1 25 25	0 0 25 49 0 13	21.41 21.72 21.50 21.81 20.35 20.31	21.41 21.80 21.71 21.70 20.35 20.30	21.44 21.87 21.49 21.66 20.38 20.33	23.00 23.00 23.00 23.00 22.00 22.00
10MHz	16QAM	50 1 1 1 1 25 25 25	0 0 25 49 0 13 25	21.41 21.72 21.50 21.81 20.35 20.31 20.34	21.41 21.80 21.71 21.70 20.35 20.30 20.31	21.44 21.87 21.49 21.66 20.38 20.33 20.36	23.00 23.00 23.00 23.00 22.00 22.00 22.00
10MHz	16QAM	50 1 1 1 25 25 25 25 50	0 0 25 49 0 13 25 0	21.41 21.72 21.50 21.81 20.35 20.31 20.34 20.35	21.41 21.80 21.71 21.70 20.35 20.30 20.31 20.33	21.44 21.87 21.49 21.66 20.38 20.33 20.36 20.36	23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00
10MHz	16QAM	50 1 1 1 25 25 25 25 50	0 0 25 49 0 13 25 0	21.41 21.72 21.50 21.81 20.35 20.31 20.34 20.35 21.10	21.41 21.80 21.71 21.70 20.35 20.30 20.31 20.33 21.09	21.44 21.87 21.49 21.66 20.38 20.33 20.36 20.36 21.16	23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00
10MHz	16QAM	50 1 1 1 25 25 25 50 1	0 0 25 49 0 13 25 0 0	21.41 21.72 21.50 21.81 20.35 20.31 20.34 20.35 21.10 20.76	21.41 21.80 21.71 21.70 20.35 20.30 20.31 20.33 21.09 20.90	21.44 21.87 21.49 21.66 20.38 20.33 20.36 20.36 21.16 20.81	23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00
10MHz		50 1 1 1 25 25 25 50 1 1	0 0 25 49 0 13 25 0 0 25 49	21.41 21.72 21.50 21.81 20.35 20.31 20.34 20.35 21.10 20.76 20.99	21.41 21.80 21.71 21.70 20.35 20.30 20.31 20.33 21.09 20.90 20.94	21.44 21.87 21.49 21.66 20.38 20.33 20.36 20.36 21.16 20.81 21.05	23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
10MHz	16QAM 64QAM	50 1 1 1 25 25 25 25 50 1 1 1 25	0 0 25 49 0 13 25 0 0 25 49 0	21.41 21.72 21.50 21.81 20.35 20.31 20.34 20.35 21.10 20.76 20.99 19.49	21.41 21.80 21.71 21.70 20.35 20.30 20.31 20.33 21.09 20.90 20.94 19.53	21.44 21.87 21.49 21.66 20.38 20.33 20.36 21.16 20.81 21.05 19.52	23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 21.00
10MHz		50 1 1 1 25 25 25 50 1 1 1 1 25 25	0 0 25 49 0 13 25 0 0 25 49 0	21.41 21.72 21.50 21.81 20.35 20.31 20.34 20.35 21.10 20.76 20.99 19.49 19.43	21.41 21.80 21.71 21.70 20.35 20.30 20.31 20.33 21.09 20.90 20.94 19.53 19.48	21.44 21.87 21.49 21.66 20.38 20.33 20.36 21.16 20.81 21.05 19.52 19.42	23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 21.00 21.00
10MHz		50 1 1 1 25 25 25 25 50 1 1 1 25	0 0 25 49 0 13 25 0 0 25 49 0	21.41 21.72 21.50 21.81 20.35 20.31 20.34 20.35 21.10 20.76 20.99 19.49	21.41 21.80 21.71 21.70 20.35 20.30 20.31 20.33 21.09 20.90 20.94 19.53	21.44 21.87 21.49 21.66 20.38 20.33 20.36 21.16 20.81 21.05 19.52	23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 21.00

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Donalissialth	Madulation	DD ai-a	DD offeet	Channel	Channel	Channel	Tune up
Bandwidth	Modulation	RB size	RB offset	20025	20175	20325	
		1	0	23.10	23.10	23.13	24.00
		1	38	22.73	22.84	22.75	24.00
		1	74	23.00	22.96	23.01	24.00
	QPSK	36	0	21.44	21.47	21.49	24.00
		36	18	21.38	21.43	21.45	23.00
		36	39	21.40	21.41	21.44	23.00
		75	0	21.46	21.44	21.47	23.00
		1	0	21.77	21.84	21.92	23.00
		1	38	21.55	21.73	21.55	23.00
		1	74	21.83	21.75	21.71	23.00
15MHz	16QAM	36	0	20.39	20.38	20.42	22.00
		36	18	20.34	20.35	20.38	22.00
		36	39	20.37	20.35	20.42	
		75	0	20.38	20.37	20.39	22.00
		1	0	21.11	21.16	21.22	22.00
		1	38	20.82	20.89	20.77	22.00
		1	74	21.03	20.99	21.10	22.00
	64QAM	36	0	19.50	19.52	19.52	21.00
		36	18	19.42	19.46	19.49	21.00
		36	39	19.42	19.46	19.50	21.00
		75	0	19.51	19.44	19.53	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung un
Banawiath	Woddiation	110 3120	NB oliset	20050	20175	20300	•
		11	0	23.13	23.16	23.18	24.00
		1	50	22.77	22.86	22.81	24.00
		1	99	23.04	23.02	23.07	24.00
	QPSK	50	0	21.49	21.51	21.54	23.00
		50	25	21.44	21.47	21.47	23.00
		50	50	21.43	21.46	21.48	23.00
		100	0	21.50	21.47	21.53	23.00
		1	0	21.80	21.88	21.94	23.00
		1	50	21.59	21.78	21.57	23.00
		1	99	21.86	21.79	21.76	23.00
20MHz	16QAM	50	0	20.45	20.43	20.45	22.00
		50	25	20.39	20.39	20.44	22.00
		50	50	20.39	20.40	20.45	22.00
		100	0	20.43	20.42	20.44	22.00
		1	0	21.18	21.18	21.21	22.00
			F0	20.78	20.92	20.84	22.00
		1	50				
		1	99	21.07	21.07	21.07	22.00
	64QAM	1 50	99	21.07 19.51	19.54	19.63	21.00
	64QAM	1 50 50	99 0 25	21.07 19.51 19.48	19.54 19.56	19.63 19.51	21.00 21.00
	64QAM	1 50	99	21.07 19.51	19.54	19.63	21.00

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LTE B	and 4 Hotspot	on+sensor o	off	Conducted Power(dBm)				
.			55 %	Channel	Channel	Channel	T	
Bandwidth	Modulation	RB size	RB offset	19957	20175	20393	Tune up	
		1	0	17.41	17.45	17.48	18.50	
		1	2	16.76	16.98	16.81	18.50	
		1	5	17.33	17.32	17.35	18.50	
	QPSK	3	0	17.27	17.31	17.36	18.50	
		3	2	17.22	17.26	17.28	18.50	
		3	3	17.22	17.27	17.27	18.50	
		6	0	17.20	17.35	17.30	18.50	
		1	0	17.62	17.74	17.78	18.50	
		1	2	17.41	17.31	17.49	18.50	
		1	5	17.56	17.60	17.65	18.50	
1.4MHz	16QAM	3	0	17.24	17.26	17.30	18.50	
		3	2	17.19	17.21	17.24	18.50	
		3	3	17.18	17.26	17.19	18.50	
		6	0	17.21	17.21	17.29	18.50 18.50	
		1	0	17.48	17.64	17.72	18.50	
		1	2	17.35	17.25	17.42	18.50	
		1	5	17.49	17.51	17.54	18.50	
	64QAM	3	0	17.12	17.21	17.24	18.50	
		3	2	17.09	17.07	17.14	18.50	
		3	3	17.03	17.15	17.06	18.50	
		6	0	17.07	17.08	17.18	18.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune ur	
Danaman	Modulation	. 12 0.20		19965	20175	20385	•	
		1	0	17.45	17.50	17.50		
		1	7	16.82	17.01	16.85		
		1	14	17.37	17.35	17.38		
	QPSK	8	0	17.32	17.35	17.41	+	
		8	4	17.27	17.32	17.30	18.50	
		8	7	17.25	17.30	17.30	18.50	
		15	0	17.26	17.39	17.35	18.50	
		1	0	17.67	17.76	17.80	18.50	
		1	7	17.45	17.37	17.54	18.50	
3MHz		1	14	17.60	17.65	17.70	18.50	
	16QAM	8	0	17.28	17.31	17.32	18.50	
		8	4	17.23	17.23	17.29	18.50	
		8	7	17.22	17.28	17.25	18.50	
		15	0	17.25	17.24	17.31	18.50	
		1	0	17.54	17.66	17.66	18.50	
		1	7	17.32	17.30	17.41	18.50	
	64QAM	1	14	17.49	17.54	17.65	18.50	
		8	0	17.22	17.20	17.23	18.50	
	1	8	4	17.14	17.10	17.16	18.50	

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			_		I	1	1
		8	7	17.13	17.22	17.19	18.50
		15	0	17.18	17.17	17.18	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
		1	0	17.49	17.55	17.55	18.50
		1	13	16.86	17.06	16.89	18.50
	0.001/	1	24	17.41	17.39	17.42	18.50
	QPSK	12	0	17.38	17.40	17.43	18.50
		12	6	17.30	17.35	17.34	18.50
		12	13	17.30	17.36	17.34	18.50
		25	0	17.32	17.41	17.37	18.50
		1	0	17.71	17.80	17.83	18.50
		1	13	17.50	17.40	17.59	18.50
		1	24	17.66	17.67	17.73	18.50
5MHz	16QAM	12	0	17.32	17.35	17.35	18.50
		12	6	17.25	17.28	17.33	18.50
		12	13	17.27	17.32	17.30	18.50
		25	0	17.30	17.30	17.34	18.50
		1	0	17.58	17.67	17.74	18.50
		1	13	17.42	17.34	17.52	18.50
		1	24	17.56	17.61	17.66	18.50
	64QAM	12	0	17.26	17.29	17.27	18.50
		12	6	17.18	17.19	17.25	18.50
		12	13	17.20	17.25	17.22	18.50
		25	0	17.21	17.18	17.28	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	•
		1	0	17.54	17.58	17.60	18.50
		1	25	16.89	17.12	16.95	18.50
		1	49	17.44	17.44	17.45	18.50
	QPSK	25	0	17.41	17.44	17.45	18.50
		25	13	17.35	17.40	17.39	18.50
		25	25	17.36	17.40	17.38	18.50
		50	0	17.37	17.47	17.40	18.50
	\	1	0	17.73	17.84	17.87	18.50
		1	25	17.54	17.46	17.63	18.50
10MHz		1	49	17.69	17.72	17.76	18.50
	16QAM	25	0	17.36	17.38	17.38	18.50
		25	13	17.29	17.32	17.36	18.50
		25	25	17.32	17.34	17.33	18.50
		50	0	17.32	17.36	17.39	18.50
		1	0	17.64	17.74	17.73	18.50
		1	25	17.48	17.34	17.58	18.50
	64QAM	1	49	17.64	17.61	17.62	18.50
	O-GAIVI	25	0	17.22	17.25	17.31	18.50
		25	13	17.23	17.18	17.25	18.50
		25		17.18	17.22	17.25	

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		50	0	17.25	17.26	17.27	18.50
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20025	20175	20325	Tune up
		1	0	17.57	17.63	17.65	18.50
		1	38	16.95	17.14	16.99	18.50
		1	74	17.48	17.49	17.51	18.50
	QPSK	36	0	17.45	17.48	17.48	18.50
		36	18	17.40	17.44	17.41	18.50
		36	39	17.42	17.42	17.44	18.50
	<u> </u>	75	0	17.42	17.50	17.45	18.50
		1	0	17.75	17.87	17.92	18.50
		1	38	17.59	17.51	17.66	18.50
		1	74	17.74	17.75	17.79	18.50
15MHz	16QAM	36	0	17.38	17.43	17.41	18.50
		36	18	17.34	17.37	17.38	18.50
		36	39	17.36	17.38	17.35	18.50
		75	0	17.36	17.38	17.43	18.50
		1	0	17.69	17.76	17.84	18.50
		1	38	17.52	17.46	7.46 17.52	18.50
		1	74	17.66	17.60		18.50
	64QAM	36	0	17.29	17.29	17.29	18.50
		36	18	17.27	17.30	17.24	18.50
	<u> </u>	36	39	17.26	17.28	17.23	18.50
		75	0	17.26	17.27	17.30	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Bandwidth	Wodulation			20050	20175	20300	
		1	0	17.59	17.69	17.67	18.50
		1	50	17.01	17.18	17.04	18.50
		1	99	17.51	17.53	17.54	18.50
	QPSK	50	0	17.49	17.53	17.52	18.50
		50	25	17.45	17.46	17.45	18.50
		50	50	17.47	17.46	17.47	18.50
		100	0	17.47	17.53	17.51	18.50
		1	0	17.81	17.91	17.95	18.50
		1	50	17.62	17.56	17.69	18.50
		1	99 17.7	17.78	17.80	17.82	18.50
20MHz	16QAM	50	0	17.43	17.49	17.43	18.50
		50	25	17.38	17.40	17.40	18.50
		50	50	17.40	17.41	17.39	18.50
		100	0	17.42	17.42	17.45	18.50
		1	0	17.75	17.81	17.89	18.50
			50	17.47	17.42	17.60	18.50
		1					1
		1 0	99	17.67	17.67	17.73	18.50
	64QAM	1 50	99	17.36	17.41	17.34	18.50 18.50
	64QAM	1 50 50	99 0 25	17.36 17.31	17.41 17.30	17.34 17.30	1
	64QAM	1 50	99	17.36	17.41	17.34	18.50

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TE Band 4 SA	R sensor on le on	Conducted Power(dBm)					
5 1 141			DD (()	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	19957	20175	20393	Tune up
		1	0	15.44	15.50	15.50	16.50
		1	2	15.15	15.21	15.26	16.50
		1	5	15.41	15.40	15.32	16.50
	QPSK	3	0	15.40	15.34	15.38	16.50
		3	2	15.39	15.37	15.32	16.50
		3	3	15.43	15.32	15.40	
		6	0	15.42	15.33	15.38	1
		1	0	15.53	15.80	15.66	1
		1	2	15.21	15.61	15.57	
		1	5	15.51	15.58	15.61	
1.4MHz	16QAM	3	0	15.27	15.33	15.26	16.50
		3	2	15.24	15.25	15.25	
		3	3	15.24	15.25	15.23	
		6	0	15.32	15.32	15.33	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50
		1	0	15.43	15.67	15.60	
		1	2	15.16	15.54	15.44	1
		1	5	15.39	15.46	15.47	
	64QAM	3	0	15.14	15.24	15.13	
		3	2	15.09	15.11	15.18	
		3	3	15.16	15.19	15.17	
		6	0	15.25	15.23	15.26	
D	Madulation	DD -:	DD -#+	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	19965	20175	20385	Tune up
		1	0	15.52	15.56	15.56	16.50
		1	7	15.23	15.26	15.32	16.50
		1	14	15.47	15.45	15.41	16.50
	QPSK	8	0	15.46	15.41	15.45	16.50
		8	4	15.46	15.47	15.37	16.50
		8	7	15.50	15.40	15.45	16.50
		15	0	15.49	15.39	15.45	16.50
		1	0	15.60	15.88	15.73	16.50
		1	7	15.28	15.67	15.64	16.50
3MHz		1	14	15.59	15.66	15.70	16.50
	16QAM	8	0	15.34	15.40	15.36	16.50
		8	4	15.30	15.33	15.32	16.50
		8	7	15.33	15.34	15.31	16.50
		15	0	15.38	15.42	15.38	16.50
		1	0	15.55	15.78	15.60	16.50
		1	7	15.15	15.54	15.53	16.50
	64QAM	1	14	15.46	15.55	15.60	16.50
		8	0	15.25	15.28	15.27	16.50
		8	4	15.17	15.20	15.21	16.50

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		0	7	45.00	45.00	45.04	10.50
	-	8	7	15.26	15.29	15.21	16.50
		15	0	15.25	15.31	15.32	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
			0	19975	20175	20375	40.50
		1	0	15.61	15.64	15.66	16.50
		1	13 24	15.32 15.54	15.32 15.54	15.40	16.50
	QPSK	12	0			15.51	16.50
	QP3N	12	6	15.54	15.49	15.54 15.43	16.50
	-	12	13	15.51 15.56	15.53 15.46	15.43	16.50
	-	25	0	15.56	15.46	15.51	16.50
			0				16.50
	-	1	13	15.68	15.97	15.80	16.50
		11		15.38	15.74	15.73	16.50
	400004	1	24	15.68	15.75	15.79	16.50
5MHz	16QAM	12	0 6	15.43	15.49	15.44 15.42	16.50
		12		15.39	15.40		16.50
		12	13	15.42	15.40	15.40	16.50
		25	0	15.48	15.51	15.48	16.50
		1	0	15.60	15.84	15.67	16.50
		1	13	15.27	15.65	15.67	16.50
	64001	1	24	15.61	15.70	15.68	16.50
	64QAM	12	0	15.33	15.41	15.30	16.50
	-	12	6	15.25	15.29	15.32	16.50
	-	12	13	15.33	15.25	15.35	16.50
		25	0	15.41	15.46	15.42	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
		4	0	20000	20175	20350	10.50
		1	0	15.68	15.70	15.71	16.50
		1	25	15.37	15.38	15.49	16.50
	0.0014	1	49	15.62	15.62	15.60	16.50
	QPSK	25	0	15.61	15.57	15.60	16.50
		25	13	15.58	15.62	15.50	16.50
		25	25	15.62	15.55	15.57	16.50
		50	0	15.60	15.56	15.60	16.50
	-	1	0	15.73	16.06	15.86	16.50
	-	1	25	15.47	15.79	15.83	16.50
10MHz		1	49	15.73	15.81	15.87	16.50
	16QAM	25	0	15.51	15.57	15.54	16.50
		25	13	15.48	15.49	15.51	16.50
	<u> </u>	25	25	15.52	15.46	15.46	16.50
		50	0	15.57	15.58	15.53	16.50
		1	0	15.67	15.98	15.79	16.50
	<u> </u>	1	25	15.37	15.66	15.77	16.50
	64QAM	1	49	15.65	15.74	15.73	16.50
	J 1307 (1V)	25	0	15.41	15.46	15.45	16.50
1		25	13	15.42	15.38	15.42	16.50
	l L	25	25	15.38	15.34	15.36	. 0.00

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				45.45	1 45 44	15.40	1
		50	0	15.45	15.44	15.46	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	•
	-	1	0	15.75	15.78	15.76	16.50
		1	38	15.46	15.45	15.55	16.50
	0.001	1	74	15.71	15.67	15.69	16.50
	QPSK	36	0	15.68	15.65	15.69	16.50
	-	36	18	15.67	15.69	15.59	16.50
	-	36	39	15.69	15.62	15.65	16.50
		75	0	15.65	15.64	15.66	16.50
		1	0	15.81	16.11	15.94	16.50
		1	38	15.56	15.84	15.90	16.50
		1	74	15.81	15.88	15.92	16.50
15MHz	16QAM	36	0	15.59	15.64	15.60	16.50
		36	18	15.55	15.56	15.58	16.50
		36	39	15.60	15.54	15.55	16.50
		75	0	15.64	15.64	15.60	16.50
		1	0	15.73	15.98	15.82	16.50
		1	38	15.44	15.74	15.83	16.50
		1	74	15.71	15.82	15.84	16.50
	64QAM	36	0	15.44	15.58	15.48	16.50
		36	18	15.46	15.42	15.43	16.50
		36	39	15.48	15.41	15.47	16.50
		75	0	15.56	15.59	15.55	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up
Danawiatii	Wodulation		IND Offset	20050	20175	20300	Tune up
		1	0	15.82	15.85	15.86	16.50
		1	50	15.55	15.55	15.62	16.50
		1	99	15.80	15.75	15.74	16.50
	QPSK	50	0	15.75	15.74	15.77	16.50
		50	25	15.75	15.74	15.67	16.50
		50	50	15.75	15.69	15.70	16.50
		100				45.74	40.50
		100	0	15.73	15.72	15.74	16.50
		100	0	15.73 15.88	15.72 16.19	16.21	16.50
			_		 		•
		1	0	15.88	16.19	16.21	16.50
20MHz	16QAM	1	0 50	15.88 15.63	16.19 15.90	16.21 15.98	16.50 16.50
20MHz	16QAM	1 1 1	0 50 99	15.88 15.63 15.88	16.19 15.90 15.98	16.21 15.98 15.99	16.50 16.50 16.50
20MHz	16QAM	1 1 1 50	0 50 99 0	15.88 15.63 15.88 15.68	16.19 15.90 15.98 15.74	16.21 15.98 15.99 15.69	16.50 16.50 16.50 16.50
20MHz	16QAM	1 1 1 50 50	0 50 99 0 25	15.88 15.63 15.88 15.68 15.64	16.19 15.90 15.98 15.74 15.63	16.21 15.98 15.99 15.69 15.65	16.50 16.50 16.50 16.50 16.50
20MHz	16QAM	1 1 1 50 50 50	0 50 99 0 25 50	15.88 15.63 15.88 15.68 15.64 15.67	16.19 15.90 15.98 15.74 15.63 15.62	16.21 15.98 15.99 15.69 15.65 15.62	16.50 16.50 16.50 16.50 16.50 16.50
20MHz	16QAM	1 1 1 50 50 50 50	0 50 99 0 25 50	15.88 15.63 15.88 15.68 15.64 15.67 15.69	16.19 15.90 15.98 15.74 15.63 15.62 15.71	16.21 15.98 15.99 15.69 15.65 15.62 15.67	16.50 16.50 16.50 16.50 16.50 16.50
20MHz	16QAM	1 1 1 50 50 50 100	0 50 99 0 25 50 0	15.88 15.63 15.88 15.68 15.64 15.67 15.69 15.82	16.19 15.90 15.98 15.74 15.63 15.62 15.71 16.13	16.21 15.98 15.99 15.69 15.65 15.62 15.67 15.94	16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz	16QAM	1 1 50 50 50 100 1	0 50 99 0 25 50 0	15.88 15.63 15.88 15.68 15.64 15.67 15.69 15.82 15.55	16.19 15.90 15.98 15.74 15.63 15.62 15.71 16.13 15.77	16.21 15.98 15.99 15.69 15.65 15.62 15.67 15.94 15.90	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz		1 1 1 50 50 50 100 1	0 50 99 0 25 50 0 0 50	15.88 15.63 15.88 15.68 15.64 15.67 15.69 15.82 15.55	16.19 15.90 15.98 15.74 15.63 15.62 15.71 16.13 15.77 15.85	16.21 15.98 15.99 15.69 15.65 15.62 15.67 15.94 15.90 15.85	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz		1 1 50 50 50 100 1 1 1 1 50	0 50 99 0 25 50 0 0 50 99	15.88 15.63 15.88 15.68 15.64 15.67 15.69 15.82 15.55	16.19 15.90 15.98 15.74 15.63 15.62 15.71 16.13 15.77 15.85 15.62	16.21 15.98 15.99 15.69 15.65 15.62 15.67 15.94 15.90 15.85	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50

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TE Band 4 Bo	dy Scene(SAR s	ensor on Le	vel D0&D1)	(Conducted P	ower(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
		1	0	20.75	20.77	20.68	22.00
	-	1	2	20.73	20.77	20.06	22.00
	-	1	5	20.64	20.93	20.59	22.00
	QPSK	3	0	20.54	20.85	20.25	22.00
	QFSK	3	2	20.66	20.65	20.25	22.00
	-	3	3	20.60	20.88	20.43	22.00
	-	6	0	20.71	20.74	20.42	22.00
		1	0	20.71	21.14	20.03	
	-	1	2	20.93	20.81	20.45	22.00
	-		5				22.00
1.4MHz	16QAM	1 3	0	21.00	21.03	20.92	22.00
1.4WITZ	IOQAIVI		2	20.57	21.12	20.54	22.00
		3		20.39	20.44	20.30	22.00
	-	3	3	20.56	20.75	20.56	22.00
		6	0	20.10	20.02	20.02	22.00
		1	0	20.86	20.68	20.54	22.00
	-	1	2	20.67	20.53	20.34	22.00
		1	5	20.81	20.81	20.51	22.00
	64QAM	3	0	20.65	20.75	20.47	22.00
		3	2	20.67	20.71	20.40	22.00
		3	3	20.70	20.71	20.39	22.00
		6	0	20.22	20.13	19.82	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune u
		1	0	20.63	20.85	20.78	22.00
		1	7	20.35	20.71	20.82	22.00
		1	14	20.52	20.87	20.36	22.00
	QPSK	8	0	20.47	20.92	20.59	22.00
		8	4	20.79	20.99	20.67	22.00
		8	7	20.63	20.78	20.60	22.00
		15	0	20.69	20.75	20.70	22.00
		1	0	20.45	20.76	21.18	22.00
		1	7	20.84	20.82	20.62	22.00
3MHz		1	14	20.54	21.18	20.44	22.00
	16QAM	8	0	20.24	20.58	20.12	22.00
		8	4	20.16	20.13	20.13	22.00
		8	7	20.10	20.35	20.00	22.00
		15	0	20.03	20.37	20.03	22.00
		1	0	20.99	20.80	20.64	22.00
		<u>·</u> 1	7	20.57	20.52	20.09	22.00
	64QAM	<u>'</u> 1	14	20.88	20.70	20.23	22.00
	J 1 3/ 11/1	8	0	20.25	20.11	19.93	21.00
		8	4	20.20	20.15	19.79	21.00

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		8	7	20.19	20.12	19.73	21.00
		15	0	20.22	20.13	19.83	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Ballawiatii	Wooddiation	110 3120	TO OHOCE	19975	20175	20375	Turio up
		1	0	20.62	20.75	20.84	22.00
		1	13	20.76	20.68	20.79	22.00
		1	24	20.61	20.63	20.40	22.00
	QPSK	12	0	20.71	20.78	20.88	22.00
		12	6	20.72	20.78	20.59	22.00
		12	13	20.75	20.86	20.67	22.00
		25	0	20.74	20.79	20.71	22.00
		1	0	20.77	21.07	20.68	22.00
		1	13	20.67	21.04	20.84	22.00
		1	24	20.65	20.98	20.64	22.00
5MHz	16QAM	12	0	20.08	20.38	20.37	22.00
		12	6	20.26	20.34	20.07	22.00
		12	13	20.09	20.21	20.05	22.00
		25	0	20.14	20.38	20.15	22.00
		1	0	20.97	20.82	20.74	22.00
	64QAM	1	13	20.97	20.87	20.58	22.00
		1	24	20.71	20.73	20.27	22.00
		12	0	20.33	20.18	19.96	21.00
		12	6	20.29	20.17	19.93	21.00
		12	13	20.33	20.21	19.85	21.00
		25	0	20.33	20.26	19.91	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Banawian	Wooddiation	110 3120		20000	20175	20350	Turio up
		1	0	20.83	20.79	20.82	22.00
		1	25	20.72	20.64	20.97	22.00
		1	49	20.55	20.75	20.52	22.00
	QPSK	25	0	20.90	20.78	20.93	22.00
		25	13	20.65	20.74	20.97	22.00
		25	25	20.68	20.71	20.69	22.00
		50	0	20.72	20.75	20.71	22.00
		1	0	20.50	21.17	20.82	22.00
		1	25	20.57	20.27	20.55	22.00
10MHz		1	49	20.33	21.02	20.86	22.00
1011112	16QAM	25	0	20.12	20.09	20.44	22.00
		25	13	20.04	20.08	20.52	22.00
		25	25	20.18	20.08	20.15	22.00
		50	0	20.06	20.09	20.20	22.00
		1	0	20.89	20.83	20.85	22.00
		1	25	20.55	20.64	20.45	22.00
	64QAM	0.1	49	20.64	20.73	20.28	22.00
	04QAW	25	0	20.32	20.15	20.22	21.00
		25	13	20.12	20.24	20.14	21.00
		25	25	20.32	20.25	19.85	21.00

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	1	F0		00.00	00.00	00.00	
		50	0	20.28	20.22	20.09	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel	Channel	Tune up
		0.1	0	20025	20175 20.84	20325 21.11	22.00
		1	38	20.74	20.04	20.98	22.00 22.00
		1	74	20.74	20.72	20.65	22.00
	QPSK	36	0	20.79	20.72	20.95	22.00
	Qi Oit	36	18	20.71	20.75	20.78	22.00
		36	39	20.76	20.78	20.89	22.00
		75	0	20.76	20.81	20.98	22.00
		1	0	20.66	21.03	20.41	22.00
		1	38	21.04	21.09	20.96	22.00
		1	74	21.07	20.77	20.98	22.00
15MHz	16QAM	36	0	20.16	20.20	20.35	22.00
		36	18	20.20	20.22	20.29	22.00
		36	39	20.21	20.18	20.43	22.00
		75	0	20.15	20.24	20.44	22.00
		1	0	21.04	20.77	21.05	22.00
	64QAM	1	38	20.82	20.73	20.74	22.00
		1	74	20.60	20.67	20.53	22.00
		36	0	20.17	20.17	20.40	21.00
		36	18	20.20	20.22	20.15	21.00
		36	39	20.14	20.21	20.14	21.00
		75	0	20.24	20.23	20.27	21.00
	Modulation			Channel	Channel	Channel	
Bandwidth	Madulation	DD oizo	DD offeet	Charine	Onamici	0110111101	Tunatun
Bandwidth	Modulation	RB size	RB offset	20050	20175	20300	Tune up
Bandwidth	Modulation	RB size	RB offset				22.00
Bandwidth	Modulation			20050	20175	20300	•
Bandwidth	Modulation	1	0	20050 20.73	20175 20.73	20300 20.89	22.00
Bandwidth	Modulation QPSK	1	0 50 99 0	20050 20.73 20.60	20175 20.73 20.53	20300 20.89 20.76 20.60 21.04	22.00 22.00
Bandwidth		1 1 1	0 50 99	20050 20.73 20.60 20.70	20175 20.73 20.53 20.87	20300 20.89 20.76 20.60	22.00 22.00 22.00
Bandwidth		1 1 1 50	0 50 99 0	20050 20.73 20.60 20.70 20.70	20175 20.73 20.53 20.87 20.58 20.67 20.77	20300 20.89 20.76 20.60 21.04	22.00 22.00 22.00 22.00
Bandwidth		1 1 1 50 50	0 50 99 0 25	20050 20.73 20.60 20.70 20.70 20.63	20175 20.73 20.53 20.87 20.58 20.67	20300 20.89 20.76 20.60 21.04 20.93	22.00 22.00 22.00 22.00 22.00
Bandwidth		1 1 1 50 50 50	0 50 99 0 25 50 0	20050 20.73 20.60 20.70 20.70 20.63 20.67 20.77 20.79	20175 20.73 20.53 20.87 20.58 20.67 20.77	20300 20.89 20.76 20.60 21.04 20.93 20.70 21.00 20.83	22.00 22.00 22.00 22.00 22.00 22.00
Bandwidth		1 1 1 50 50 50 50	0 50 99 0 25 50 0	20050 20.73 20.60 20.70 20.63 20.67 20.77 20.79 20.70	20175 20.73 20.53 20.87 20.58 20.67 20.77 20.76 20.86 20.52	20300 20.89 20.76 20.60 21.04 20.93 20.70 21.00 20.83 20.66	22.00 22.00 22.00 22.00 22.00 22.00 22.00
	QPSK	1 1 1 50 50 50 100 1 1	0 50 99 0 25 50 0 0 50 99	20050 20.73 20.60 20.70 20.63 20.67 20.77 20.79 20.70 21.21	20175 20.73 20.53 20.87 20.58 20.67 20.77 20.76 20.86 20.52 20.81	20300 20.89 20.76 20.60 21.04 20.93 20.70 21.00 20.83 20.66 20.77	22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
Bandwidth 20MHz		1 1 1 50 50 50 100 1 1 1 1 50	0 50 99 0 25 50 0 0 50 99	20050 20.73 20.60 20.70 20.63 20.67 20.77 20.79 20.70 21.21 20.07	20175 20.73 20.53 20.87 20.58 20.67 20.76 20.76 20.86 20.52 20.81 20.21	20300 20.89 20.76 20.60 21.04 20.93 20.70 21.00 20.83 20.66 20.77 20.54	22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
	QPSK	1 1 1 50 50 50 100 1 1 1 1 50 50	0 50 99 0 25 50 0 0 50 99 0	20050 20.73 20.60 20.70 20.63 20.67 20.77 20.79 20.70 21.21 20.07 20.16	20175 20.73 20.53 20.87 20.58 20.67 20.76 20.76 20.86 20.52 20.81 20.21 20.22	20300 20.89 20.76 20.60 21.04 20.93 20.70 21.00 20.83 20.66 20.77 20.54 20.00	22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
	QPSK	1 1 1 50 50 50 100 1 1 1 1 50 50	0 50 99 0 25 50 0 0 50 99 0	20050 20.73 20.60 20.70 20.63 20.67 20.77 20.79 20.70 21.21 20.07 20.16 20.04	20175 20.73 20.53 20.87 20.58 20.67 20.77 20.76 20.86 20.52 20.81 20.21 20.22 20.26	20300 20.89 20.76 20.60 21.04 20.93 20.70 21.00 20.83 20.66 20.77 20.54 20.00 20.03	22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
	QPSK	1 1 1 50 50 50 100 1 1 1 1 50 50 50	0 50 99 0 25 50 0 0 50 99 0 25 50	20050 20.73 20.60 20.70 20.63 20.67 20.77 20.79 20.70 21.21 20.07 20.16 20.04 20.13	20175 20.73 20.53 20.87 20.58 20.67 20.76 20.86 20.52 20.81 20.21 20.22 20.26 20.29	20300 20.89 20.76 20.60 21.04 20.93 20.70 21.00 20.83 20.66 20.77 20.54 20.00 20.03 20.41	22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
	QPSK	1 1 1 50 50 50 100 1 1 1 1 50 50 50 100	0 50 99 0 25 50 0 0 50 99 0 25 50	20050 20.73 20.60 20.70 20.63 20.67 20.77 20.79 20.70 21.21 20.07 20.16 20.04 20.13 20.92	20175 20.73 20.53 20.87 20.58 20.67 20.76 20.86 20.52 20.81 20.21 20.22 20.26 20.29 20.92	20300 20.89 20.76 20.60 21.04 20.93 20.70 21.00 20.83 20.66 20.77 20.54 20.00 20.03 20.41 20.84	22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
	QPSK	1 1 1 50 50 50 100 1 1 1 1 50 50 50 100 1 1	0 50 99 0 25 50 0 0 50 99 0 25 50 0	20050 20.73 20.60 20.70 20.63 20.67 20.77 20.79 20.70 21.21 20.07 20.16 20.04 20.92 20.51	20175 20.73 20.53 20.87 20.58 20.67 20.76 20.76 20.86 20.52 20.81 20.21 20.22 20.26 20.29 20.92 20.54	20300 20.89 20.76 20.60 21.04 20.93 20.70 21.00 20.83 20.66 20.77 20.54 20.00 20.03 20.41 20.84 20.58	22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
	QPSK 16QAM	1 1 1 50 50 50 100 1 1 1 1 50 50 50 100 1 1 1 1	0 50 99 0 25 50 0 0 50 99 0 25 50 0 0 50	20050 20.73 20.60 20.70 20.70 20.63 20.67 20.77 20.79 20.70 21.21 20.07 20.16 20.04 20.13 20.92 20.51 20.72	20175 20.73 20.53 20.87 20.58 20.67 20.76 20.76 20.86 20.52 20.81 20.21 20.22 20.26 20.29 20.92 20.54 21.00	20300 20.89 20.76 20.60 21.04 20.93 20.70 21.00 20.83 20.66 20.77 20.54 20.00 20.03 20.41 20.84 20.58 20.33	22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
	QPSK	1 1 1 50 50 50 100 1 1 1 1 50 50 50 100 1 1 1 1	0 50 99 0 25 50 0 0 50 99 0 25 50 0 0 0 25 50	20050 20.73 20.60 20.70 20.70 20.63 20.67 20.77 20.79 20.70 21.21 20.07 20.16 20.04 20.13 20.92 20.51 20.72 20.22	20175 20.73 20.53 20.87 20.58 20.67 20.76 20.76 20.86 20.52 20.81 20.21 20.22 20.26 20.29 20.92 20.54 21.00 20.18	20300 20.89 20.76 20.60 21.04 20.93 20.70 21.00 20.83 20.66 20.77 20.54 20.00 20.03 20.41 20.84 20.58 20.33 20.61	22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
	QPSK 16QAM	1 1 1 50 50 50 100 1 1 1 1 50 50 50 100 1 1 1 1	0 50 99 0 25 50 0 0 50 99 0 25 50 0 0 0 25 50	20050 20.73 20.60 20.70 20.70 20.63 20.67 20.77 20.79 20.70 21.21 20.07 20.16 20.04 20.13 20.92 20.51 20.72 20.22 20.15	20175 20.73 20.53 20.87 20.58 20.67 20.76 20.76 20.86 20.52 20.81 20.21 20.22 20.26 20.29 20.92 20.54 21.00 20.18 20.16	20300 20.89 20.76 20.60 21.04 20.93 20.70 21.00 20.83 20.66 20.77 20.54 20.00 20.03 20.41 20.84 20.58 20.33 20.61 20.11	22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
	QPSK 16QAM	1 1 1 50 50 50 100 1 1 1 1 50 50 50 100 1 1 1 1	0 50 99 0 25 50 0 0 50 99 0 25 50 0 0 0 25 50	20050 20.73 20.60 20.70 20.70 20.63 20.67 20.77 20.79 20.70 21.21 20.07 20.16 20.04 20.13 20.92 20.51 20.72 20.22	20175 20.73 20.53 20.87 20.58 20.67 20.76 20.76 20.86 20.52 20.81 20.21 20.22 20.26 20.29 20.92 20.54 21.00 20.18	20300 20.89 20.76 20.60 21.04 20.93 20.70 21.00 20.83 20.66 20.77 20.54 20.00 20.03 20.41 20.84 20.58 20.33 20.61	22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00

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	1.TE D 1.E E) d (- d D	· · · · · · · (ID · · ·)	
	LTE Band 5 Ful	II power		(Conducted P	ower(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
		1	0	20407	20525	20643 23.19	
		1	0		23.19		24.00
		1	2	23.01	22.78	22.81	24.00
	ODOK	1	5	23.19	23.19	23.16	24.00
	QPSK	3	0	22.95	23.07	23.00	24.00
		3	2	22.97	22.77	22.94	24.00
		3	3	23.09	23.12	23.03	24.00
		6	0	22.13	22.05	22.16	23.00
		1	0	22.43	22.45	22.31	23.00
		1	2	22.12	22.25	22.15	23.00
		1	5	22.42	22.38	22.42	23.00
1.4MHz	16QAM	3	0	22.12	22.11	22.17	23.00
		3	2	22.25	21.85	22.15	23.00
		3	3	22.07	22.13	22.11	23.00
		6	0	21.09	21.08	21.19	22.00
		1	0	21.29	21.28	21.22	22.00
		1	2	21.04	20.86	20.83	22.00
		1	5	21.22	21.25	21.16	22.00
	64QAM	3	0	21.05	21.09	21.03	22.00
		3	2	20.98	20.80	21.00	22.00
		3	3	21.18	21.15	21.06	22.00
8		6	0	20.14	20.07	20.22	21.00
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20415	20525	20635	Tune up
		1	0	23.18	23.17	23.25	24.00
		1	7	22.84	23.09	23.17	24.00
		1	14	23.22	23.18	23.19	24.00
	QPSK	8	0	22.14	22.10	22.13	23.00
		8	4	22.08	22.11	22.09	23.00
		8	7	22.09	22.15	22.13	23.00
		15	0	22.16	22.16	22.21	23.00
		1	0	22.38	22.32	22.39	23.00
		1	7	22.26	22.09	22.05	23.00
		1	14	22.35	22.45	22.28	23.00
3MHz	16QAM	8	0	20.99	21.01	20.89	22.00
	100/11/1	8	4	21.11	21.07	21.08	22.00
		8	7	21.13	21.13	21.03	22.00
		15	0	21.13	21.13	21.03	22.00
		13	0	21.18	21.14	21.33	22.00
			7	20.87	21.21	21.33	
		1					22.00
	64QAM	1	14	21.28	21.21	21.25	22.00
		8	0	20.14	20.18	20.20	21.00
		8	4	20.17	20.14	20.09	21.00
		8	7	20.11	20.23	20.17	21.00

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	1	1 4-	1 0	00.04	00.00	00.00	
		15	0	20.21	20.22	20.29	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	•
		1	0	23.18	23.21	23.29	24.00
		1	13	23.23	23.23	23.25	24.00
		1	24	23.19	23.16	23.19	24.00
	QPSK	12	0	22.24	22.20	22.25	23.00
		12	6	22.12	22.09	22.16	23.00
		12	13	22.22	22.24	22.23	23.00
		25	0	22.18	22.19	22.14	23.00
		1	0	22.44	22.37	22.35	23.00
		1	13	22.42	22.41	22.33	23.00
		1	24	22.36	22.33	22.38	23.00
5MHz	16QAM	12	0	21.15	21.11	21.17	22.00
		12	6	21.06	21.09	21.14	22.00
		12	13	21.13	21.14	21.15	22.00
		25	0	21.08	21.11	21.12	22.00
		1	0	21.28	21.29	21.35	22.00
		1	13	21.29	21.24	21.26	22.00
		1	24	21.21	21.22	21.26	22.00
	64QAM	12	0	20.31	20.27	20.33	21.00
		12	6	20.18	20.12	20.22	21.00
		12	13	20.25	20.33	20.28	21.00
		25	0	20.22	20.23	20.22	21.00
		23		Channel	Channel	Channel	21.00
Bandwidth	Modulation	RB size	RB offset				Tune up
				20450	20525	20600	Turic up
		1		20450	20525	20600	
		1	0	23.31	23.29	23.25	24.00
		1	0 25	23.31 23.09	23.29 22.92	23.25 23.00	24.00 24.00
	OBSK	1	0 25 49	23.31 23.09 23.30	23.29 22.92 23.24	23.25 23.00 23.21	24.00 24.00 24.00
	QPSK	1 1 25	0 25 49 0	23.31 23.09 23.30 22.25	23.29 22.92 23.24 22.24	23.25 23.00 23.21 22.23	24.00 24.00 24.00 23.00
	QPSK	1 1 25 25	0 25 49 0 13	23.31 23.09 23.30 22.25 22.15	23.29 22.92 23.24 22.24 22.22	23.25 23.00 23.21 22.23 22.20	24.00 24.00 24.00 23.00 23.00
	QPSK	1 1 25 25 25 25	0 25 49 0 13 25	23.31 23.09 23.30 22.25 22.15 22.22	23.29 22.92 23.24 22.24 22.22 22.15	23.25 23.00 23.21 22.23 22.20 22.18	24.00 24.00 24.00 23.00 23.00 23.00
	QPSK	1 1 25 25 25 25 50	0 25 49 0 13 25	23.31 23.09 23.30 22.25 22.15 22.22 22.21	23.29 22.92 23.24 22.24 22.22 22.15 22.19	23.25 23.00 23.21 22.23 22.20 22.18 22.19	24.00 24.00 24.00 23.00 23.00 23.00 23.00
	QPSK	1 1 25 25 25 25 50 1	0 25 49 0 13 25 0	23.31 23.09 23.30 22.25 22.15 22.22 22.21 22.47	23.29 22.92 23.24 22.24 22.22 22.15 22.19 22.46	23.25 23.00 23.21 22.23 22.20 22.18 22.19 22.43	24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00
	QPSK	1 1 25 25 25 25 50 1	0 25 49 0 13 25 0 0	23.31 23.09 23.30 22.25 22.15 22.22 22.21 22.47 22.31	23.29 22.92 23.24 22.24 22.22 22.15 22.19 22.46 22.31	23.25 23.00 23.21 22.23 22.20 22.18 22.19 22.43 22.27	24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00 23.00
		1 1 25 25 25 25 50 1 1	0 25 49 0 13 25 0 0 25 49	23.31 23.09 23.30 22.25 22.15 22.22 22.21 22.47 22.31 22.42	23.29 22.92 23.24 22.24 22.22 22.15 22.19 22.46 22.31 22.45	23.25 23.00 23.21 22.23 22.20 22.18 22.19 22.43 22.27 22.36	24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00
10MHz	QPSK 16QAM	1 25 25 25 50 1 1 1 25	0 25 49 0 13 25 0 0 25 49	23.31 23.09 23.30 22.25 22.15 22.22 22.21 22.47 22.31 22.42 21.17	23.29 22.92 23.24 22.24 22.22 22.15 22.19 22.46 22.31 22.45 21.17	23.25 23.00 23.21 22.23 22.20 22.18 22.19 22.43 22.27 22.36 21.13	24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00
10MHz		1 1 25 25 25 50 1 1 1 1 25 25	0 25 49 0 13 25 0 0 25 49 0	23.31 23.09 23.30 22.25 22.15 22.22 22.21 22.47 22.31 22.42 21.17 21.16	23.29 22.92 23.24 22.24 22.22 22.15 22.19 22.46 22.31 22.45 21.17 21.14	23.25 23.00 23.21 22.23 22.20 22.18 22.19 22.43 22.27 22.36 21.13 21.10	24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00
10MHz		1 1 25 25 25 50 1 1 1 25 25 25	0 25 49 0 13 25 0 0 25 49 0 13 25	23.31 23.09 23.30 22.25 22.15 22.22 22.21 22.47 22.31 22.42 21.17 21.16 21.13	23.29 22.92 23.24 22.24 22.22 22.15 22.19 22.46 22.31 22.45 21.17 21.14 21.17	23.25 23.00 23.21 22.23 22.20 22.18 22.19 22.43 22.27 22.36 21.13 21.10 21.14	24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00
10MHz		1 1 25 25 25 50 1 1 1 25 25 25 25 50	0 25 49 0 13 25 0 0 25 49 0 13 25 0	23.31 23.09 23.30 22.25 22.15 22.22 22.21 22.47 22.31 22.42 21.17 21.16 21.13 21.12	23.29 22.92 23.24 22.24 22.22 22.15 22.19 22.46 22.31 22.45 21.17 21.14 21.17 21.12	23.25 23.00 23.21 22.23 22.20 22.18 22.19 22.43 22.27 22.36 21.13 21.10 21.14	24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00
10MHz		1 1 25 25 25 50 1 1 1 25 25 25 25 50	0 25 49 0 13 25 0 0 25 49 0 13 25 0	23.31 23.09 23.30 22.25 22.15 22.22 22.21 22.47 22.31 22.42 21.17 21.16 21.13 21.12 21.31	23.29 22.92 23.24 22.24 22.22 22.15 22.19 22.46 22.31 22.45 21.17 21.14 21.17 21.12 21.38	23.25 23.00 23.21 22.23 22.20 22.18 22.19 22.43 22.27 22.36 21.13 21.10 21.14 21.29	24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00
10MHz		1 1 25 25 25 50 1 1 1 25 25 25 50 1 1 1 25 25	0 25 49 0 13 25 0 0 25 49 0 13 25 0	23.31 23.09 23.30 22.25 22.15 22.22 22.21 22.47 22.31 22.42 21.17 21.16 21.13 21.12 21.31 21.15	23.29 22.92 23.24 22.24 22.25 22.15 22.19 22.46 22.31 22.45 21.17 21.14 21.17 21.12 21.38 20.97	23.25 23.00 23.21 22.23 22.20 22.18 22.19 22.43 22.27 22.36 21.13 21.10 21.14 21.14 21.29 21.03	24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00
10MHz	16QAM	1 1 25 25 25 50 1 1 1 25 25 25 50 1 1 1 1 1 1 1 25	0 25 49 0 13 25 0 0 25 49 0 13 25 0 0 0 25 49	23.31 23.09 23.30 22.25 22.15 22.22 22.21 22.47 22.31 22.42 21.17 21.16 21.13 21.12 21.31 21.15 21.34	23.29 22.92 23.24 22.24 22.25 22.15 22.19 22.46 22.31 22.45 21.17 21.14 21.17 21.12 21.38 20.97 21.27	23.25 23.00 23.21 22.23 22.20 22.18 22.19 22.43 22.27 22.36 21.13 21.10 21.14 21.29 21.03 21.25	24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
10MHz		1 1 25 25 25 50 1 1 1 25 25 25 50 1 1 1 1 25	0 25 49 0 13 25 0 0 25 49 0 13 25 0 0 0 25 49	23.31 23.09 23.30 22.25 22.15 22.22 22.21 22.47 22.31 22.42 21.17 21.16 21.13 21.12 21.31 21.15 21.34 20.25	23.29 22.92 23.24 22.24 22.22 22.15 22.19 22.46 22.31 22.45 21.17 21.14 21.17 21.12 21.38 20.97 21.27 20.25	23.25 23.00 23.21 22.23 22.20 22.18 22.19 22.43 22.27 22.36 21.13 21.10 21.14 21.29 21.03 21.25 20.28	24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
10MHz	16QAM	1 1 25 25 25 50 1 1 1 25 25 25 50 1 1 1 1 25 25 25 25 25 25 25 25 25 25 25 25 25	0 25 49 0 13 25 0 0 25 49 0 13 25 0 0 25 49 0 13	23.31 23.09 23.30 22.25 22.15 22.22 22.21 22.47 22.31 22.42 21.17 21.16 21.13 21.12 21.31 21.15 21.34 20.25 20.19	23.29 22.92 23.24 22.24 22.25 22.15 22.19 22.46 22.31 22.45 21.17 21.14 21.17 21.12 21.38 20.97 21.27 20.25 20.30	23.25 23.00 23.21 22.23 22.20 22.18 22.19 22.43 22.27 22.36 21.13 21.10 21.14 21.29 21.03 21.25 20.28 20.22	24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
10MHz	16QAM	1 1 25 25 25 50 1 1 1 25 25 25 50 1 1 1 1 25	0 25 49 0 13 25 0 0 25 49 0 13 25 0 0 0 25 49	23.31 23.09 23.30 22.25 22.15 22.22 22.21 22.47 22.31 22.42 21.17 21.16 21.13 21.12 21.31 21.15 21.34 20.25	23.29 22.92 23.24 22.24 22.22 22.15 22.19 22.46 22.31 22.45 21.17 21.14 21.17 21.12 21.38 20.97 21.27 20.25	23.25 23.00 23.21 22.23 22.20 22.18 22.19 22.43 22.27 22.36 21.13 21.10 21.14 21.29 21.03 21.25 20.28	24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00

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LTE Band 7 Hea Body Sce	ad Scene(receivne(SAR sensor			C	onducted Po	wer(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
			0	20775	21100	21425	
		1	0	21.89	21.74	21.55	22.60
		1	13	21.96	21.92	21.40	22.60
	0.0014	1	24	21.93	21.79	21.26	22.60
	QPSK	12	0	20.77	20.39	19.92	21.60
	_	12	6	20.86	20.49	19.86	21.60
		12	13	20.66	20.59	19.96	21.60
		25	0	20.67	20.53	19.96	21.60
		1	0	21.47	21.27	20.82	21.60
	<u> </u>	1	13	21.51	21.26	20.67	21.60
	<u> </u>	1	24	21.37	21.06	20.54	21.60
5MHz	5MHz 16QAM	12	0	20.13	20.07	19.51	20.60
		12	6	20.15	20.08	19.48	20.60
		12	13	20.10	20.03	19.39	20.60
		25	0	20.07	19.92	19.47	20.60
		1	0	20.46	20.11	20.04	20.60
		1	13	20.36	20.18	20.50	20.60
		1	24	20.13	20.25	20.52	20.60
	64QAM	12	0	19.54	19.41	19.16	19.60
	-	12	6	19.52	19.21	19.24	19.60
		12	13	19.24	19.57	19.05	19.60
	Madulation	25	0	19.54	19.23	19.21	19.60
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20800	21100	21400	Tune up
		1	0	21.32	21.27	21.03	22.60
		1	25	21.97	21.82	21.32	22.60
		1	49	21.25	21.01	20.71	22.60
	0 - 0 - 1						
	QPSK	25	0	20.73	20.51	20.27	21.60
	QPSK	25 25	13	20.73 20.63	20.51 20.48	20.27	
	QPSK					20.19	21.60
	QPSK	25	13	20.63	20.48	1	21.60 21.60
	QPSK	25 25	13 25	20.63 20.57 20.86	20.48 20.58 20.54	20.19 19.93	21.60 21.60 21.60
	QPSK	25 25 50	13 25 0	20.63 20.57 20.86 20.77	20.48 20.58 20.54 20.60	20.19 19.93 20.18 20.35	21.60 21.60 21.60 21.60
cs	QPSK	25 25 50 1 1	13 25 0 0 25	20.63 20.57 20.86 20.77 21.28	20.48 20.58 20.54 20.60 21.14	20.19 19.93 20.18 20.35 20.62	21.60 21.60 21.60 21.60 21.60
10MHz		25 25 50 1 1 1	13 25 0 0 25 49	20.63 20.57 20.86 20.77 21.28 20.55	20.48 20.58 20.54 20.60 21.14 20.55	20.19 19.93 20.18 20.35 20.62 19.94	21.60 21.60 21.60 21.60 21.60 21.60
10MHz	QPSK	25 25 50 1 1 1 25	13 25 0 0 25 49	20.63 20.57 20.86 20.77 21.28 20.55 20.16	20.48 20.58 20.54 20.60 21.14 20.55 20.00	20.19 19.93 20.18 20.35 20.62 19.94 19.77	21.60 21.60 21.60 21.60 21.60 21.60 20.60
10MHz		25 25 50 1 1 1 25 25	13 25 0 0 25 49 0 13	20.63 20.57 20.86 20.77 21.28 20.55 20.16 20.13	20.48 20.58 20.54 20.60 21.14 20.55 20.00 19.91	20.19 19.93 20.18 20.35 20.62 19.94 19.77 19.63	21.60 21.60 21.60 21.60 21.60 21.60 20.60
10MHz		25 25 50 1 1 1 25 25 25	13 25 0 0 25 49 0 13 25	20.63 20.57 20.86 20.77 21.28 20.55 20.16 20.13 20.09	20.48 20.58 20.54 20.60 21.14 20.55 20.00 19.91 20.04	20.19 19.93 20.18 20.35 20.62 19.94 19.77 19.63 19.51	21.60 21.60 21.60 21.60 21.60 21.60 20.60 20.60
10MHz		25 25 50 1 1 1 25 25 25 25	13 25 0 0 25 49 0 13 25 0	20.63 20.57 20.86 20.77 21.28 20.55 20.16 20.13 20.09 20.14	20.48 20.58 20.54 20.60 21.14 20.55 20.00 19.91 20.04 19.96	20.19 19.93 20.18 20.35 20.62 19.94 19.77 19.63 19.51 19.72	21.60 21.60 21.60 21.60 21.60 20.60 20.60 20.60
10MHz		25 25 50 1 1 1 25 25 25 50 1	13 25 0 0 25 49 0 13 25 0	20.63 20.57 20.86 20.77 21.28 20.55 20.16 20.13 20.09 20.14 20.12	20.48 20.58 20.54 20.60 21.14 20.55 20.00 19.91 20.04 19.96 20.12	20.19 19.93 20.18 20.35 20.62 19.94 19.77 19.63 19.51 19.72 20.23	21.60 21.60 21.60 21.60 21.60 20.60 20.60 20.60 20.60 20.60
10MHz		25 25 50 1 1 1 25 25 25 50 1	13 25 0 0 25 49 0 13 25 0 0 25	20.63 20.57 20.86 20.77 21.28 20.55 20.16 20.13 20.09 20.14 20.12 20.43	20.48 20.58 20.54 20.60 21.14 20.55 20.00 19.91 20.04 19.96 20.12 20.43	20.19 19.93 20.18 20.35 20.62 19.94 19.77 19.63 19.51 19.72 20.23 20.24	21.60 21.60 21.60 21.60 21.60 20.60 20.60 20.60 20.60 20.60
10MHz		25 25 50 1 1 1 25 25 25 25 50 1 1	13 25 0 0 25 49 0 13 25 0 0 0 25 49	20.63 20.57 20.86 20.77 21.28 20.55 20.16 20.13 20.09 20.14 20.12 20.43 20.04	20.48 20.58 20.54 20.60 21.14 20.55 20.00 19.91 20.04 19.96 20.12 20.43 20.29	20.19 19.93 20.18 20.35 20.62 19.94 19.77 19.63 19.51 19.72 20.23 20.24 19.65	21.60 21.60 21.60 21.60 21.60 20.60 20.60 20.60 20.60 20.60 20.60
10MHz	16QAM	25 25 50 1 1 1 25 25 25 50 1	13 25 0 0 25 49 0 13 25 0 0 25	20.63 20.57 20.86 20.77 21.28 20.55 20.16 20.13 20.09 20.14 20.12 20.43	20.48 20.58 20.54 20.60 21.14 20.55 20.00 19.91 20.04 19.96 20.12 20.43	20.19 19.93 20.18 20.35 20.62 19.94 19.77 19.63 19.51 19.72 20.23 20.24	21.60 21.60 21.60 21.60 21.60 20.60 20.60 20.60 20.60 20.60 20.60

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Bandwidth Modulation RB size RB offset Channel Channel	19.60 Tune up
RB size RB offset 20825 21100 21375	•
1 0 21.44 21.25 21.33 1 38 21.97 21.96 21.63 1 74 21.96 21.94 21.43	•
1 38 21.97 21.96 21.63 1 74 21.96 21.94 21.43	00 00
1 74 21.96 21.94 21.43	22.60
	22.60
QPSK 36 0 20.75 20.47 20.32	22.60
	21.60
36 18 20.78 20.43 20.25	21.60
36 39 20.73 20.62 20.15	21.60
75 0 20.69 20.58 20.31	21.60
1 0 20.68 20.44 20.55	21.60
1 38 21.54 21.32 20.99	21.60
1 74 21.16 21.33 20.56	21.60
15MHz 16QAM 36 0 20.34 20.05 19.84	20.60
36 18 20.07 19.90 19.82	20.60
36 39 20.00 19.99 19.56	20.60
75 0 20.21 19.92 19.90	20.60
1 0 20.16 20.17 20.12	20.60
1 38 20.21 20.14 20.46	20.60
1 74 20.34 20.16 20.23	20.60
64QAM 36 0 19.21 19.44 19.26	19.60
36 18 19.42 19.46 19.34	19.60
36 39 19.52 19.44 19.30	19.60
75 0 19.46 19.31 19.26	19.60
Channel Channel	
BandwidthModulationRB sizeRB offsetStatisticsStatisticsStatistics208502110021350	Tune up
1 0 21.74 21.49 21.54	22.60
1 50 21.98 21.78 21.64	22.60
1 99 21.36 21.44 20.92	22.60
QPSK 50 0 20.75 20.53 20.63	21.60
50 25 20.65 20.50 20.40	21.60
50 50 20.67 20.59 20.20	21.60
100 0 21.03 20.56 20.60	21.60
1 0 21.16 20.61 20.86	21.60
1 50 21.20 21.10 20.77	21.60
1 99 20.61 20.83 20.31	21.60
20MHz 16QAM 50 0 20.33 20.01 20.07	20.60
50 25 20.08 19.94 19.91	20.60
50 50 20.16 20.15 19.71	20.60
100 0 20.21 20.02 19.79	20.60
1 0 20.49 20.48 20.49	20.60
1 50 20.31 20.25 20.05	20.60
1 99 20.31 20.00 19.65	20.60
64QAM 50 0 19.21 19.23 19.45	19.60
50 25 19.26 19.28 19.26	19.60
50 50 19.34 19.35 19.52	19.60
100 0 19.26 19.59 19.42	19.60

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LTE D LT D	1.0	040					
LTE Band 7 Bo	ody Scene(0mn D0)	n SAR sensor	on Level	C	Conducted Po	ower(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
		1		20775	21100	21425	40.00
		1	13	18.73	18.79	18.48	19.60
		1	24	18.86 18.55	18.76 18.68	18.36 18.25	19.60
	QPSK	12	0	18.78	18.85	18.45	19.60
	QFSK	12	6	18.78	18.77	18.27	19.60
	-	12	13	18.73	18.88	18.16	19.60
		25	0	18.74	18.79	18.28	19.60 19.60
		25 1	0	19.13	19.21	18.58	
		1	13	19.13	19.21	18.04	19.60
		1	24	19.14	18.71	18.40	19.60
5MHz	16QAM	12	0	18.69	18.95	1	19.60
ЭМП		12	6			18.47	19.60
		12	13	18.85	18.97	18.37	19.60
			0	18.80	18.69	18.35	19.60
		25	0	18.71	18.79	17.93	19.60
		1	_	18.20	18.82	18.34	19.60
		1	13	19.09	18.61	18.49	19.60
		1 10	24	19.09	18.88	18.17	19.60
	64QAM	12	0	18.79	19.21	18.60	19.60
		12	6	18.86	19.05	18.42	19.60
		12	13	18.86	18.85	18.14	19.60
		25	0	18.79	18.88	18.23	19.60
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
		1	0	18.12	18.27	17.87	19.60
		1	25	19.00	18.51	17.61	1
		1	49	17.80	17.82	17.46	19.60 19.60
	QPSK	25	0	18.79	18.92	18.76	19.60
	QF SIX	25	13	18.73	18.96	18.29	19.60
		25	25	18.70	18.98	18.19	
		50	0	18.75	18.92	18.49	19.60 19.60
		1	0	18.27	18.28	18.24	
		1	25	19.20	19.22	17.64	19.60 19.60
		1	49	18.21	18.34	17.53	19.60
10MHz	16QAM	25	0	18.79	18.67	18.71	
	IOQAW	25	13	18.68	18.74	18.27	19.60
		25	25	18.69	18.81	18.18	19.60
		50	0	18.73	18.68	18.52	19.60
		1	0	17.75	18.54	17.94	19.60
	}	1	25	18.70	19.30	18.18	19.60
		<u> </u>	49	17.85	17.99	17.59	19.60
	64QAM	-				•	19.60
		25	0	18.95	18.83	18.78	19.60
		25	13	18.62	18.97	18.20	19.60
		25	25	18.47	19.06	18.37	19.60

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		50	0	18.93	18.90	18.66	19.60
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20825	21100	21375	Tune up
		- 1	0	18.23	18.27	18.08	19.60
		1	38	18.54	19.01	18.35	19.60
		1	74	18.68	18.68	18.04	19.60
	QPSK	36	0	18.84	18.84	18.58	19.60
		36	18	18.75	18.75	18.50	19.60
		36	39	18.40	18.81	18.24	19.60
		75	0	18.81	18.86	18.63	19.60
		1	0	18.34	18.55	18.62	19.60
		1	38	19.19	19.21	18.84	19.60
		1	74	18.95	18.79	18.73	19.60
15MHz	16QAM	36	0	18.75	18.88	18.51	19.60
		36	18	18.68	18.67	18.44	19.60
		36	39	18.75	18.76	18.22	19.60
		75	0	18.75	18.65	18.68	19.60
		1	0	18.50	18.04	18.31	19.60
	64QAM	1	38	19.11	19.25	19.02	19.60
		1	74	18.67	18.93	18.64	19.60
		36	0	19.08	19.14	18.96	19.60
		36	18	18.60	18.70	18.39	19.60
		36	39	18.45	18.93	18.21	19.60
		75	0	18.81	18.75	18.76	19.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tupo un
Bandwidth	Modulation	KD SIZE	KB oliset	20850	21100	21350	Tune up
		1	0	18.21	18.44	18.55	19.60
		1	50	18.44	19.21	18.10	19.60
		1	99	18.17	18.22	17.74	19.60
	QPSK	50	0	18.85	19.00	19.31	19.60
		50	25	18.47	18.97	18.58	19.60
		50	50	18.74	19.00	18.13	19.60
		100	0	18.78	18.58	18.73	19.60
		1	0	19.00	18.64	18.57	19.60
		1	50	19.00	18.23	18.43	19.60
		1	99	18.36	18.31	17.68	19.60
20MHz	16QAM	50	0	18.83	18.90	18.93	19.60
		50	25	18.69	18.82	18.81	19.60
		50	50	18.83	18.86	18.20	19.60
		100	0	18.91	18.56	18.89	19.60
		1	0	18.51	18.53	18.74	19.60
		1	50	18.48	18.84	18.60	19.60
		1	99	18.36	18.15	17.84	19.60
	64QAM	50	0	18.91	18.84	19.05	19.60
	04QAW	50	25	18.56	18.70	18.78	19.60
		50	50	18.82	18.83	18.63	19.60

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LTE Band 7 B	ody Scene(SAR	sensor on L	evel D1)	(Conducted Po	ower(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
		4	0	20775	21100	21425	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1	0	20.77	20.72	20.45	21.60
		1	13	21.01	20.62	20.27	21.60
	0.0014	1	24	20.54	20.65	20.12	21.60
	QPSK	12	0	20.49	20.33	19.74	21.60
		12	6	20.50	20.22	19.80	21.60
		12	13	20.44	20.26	19.79	21.60
		25	0	20.44	20.15	19.76	21.60
		1	0	20.37	20.37	20.34	21.60
		1	13	20.42	20.40	20.59	21.60
		1	24	20.37	20.33	20.10	21.60
5MHz	z 16QAM	12	0	19.88	19.71	19.33	20.60
		12	6	19.97	20.10	18.98	20.60
		12	13	19.52	19.57	19.12	20.60
		25	0	19.99	19.62	19.05	20.60
		1	0	20.46	20.11	20.04	20.60
		1	13	20.36	20.18	20.50	20.60
7 04		1	24	20.13	20.25	20.52	20.60
	64QAM	12	0	19.54	19.41	19.16	19.60
		12	6	19.52	19.21	19.24	19.60
	Modulation	12	13	19.24	19.57	19.05	19.60
		25	0	19.54	19.23	19.21	19.60
Bandwidth		RB size	RB offset	Channel	Channel	Channel	Tungur
Danuwium	iviodulation	ND SIZE	KD Ollset	20800	21100	21400	Tune up
		1	0	20.12	20.19	19.83	21.60
		1	25	20.11	20.76	20.33	21.60
		1	49	19.88	19.83	19.36	21.60
	QPSK	25	0	20.42	20.37	20.14	21.60
		25	13	20.39	20.39	19.79	21.60
		25	25	19.94	20.32	19.70	21.60
		50	0	20.45	20.31	19.96	21.60
		1	0	20.35	20.42	20.23	21.60
		1	25	20.93	20.33	19.77	21.60
10MHz		1	49	19.56	20.42	19.46	21.60
	16QAM	25	0	19.86	19.68	19.56	20.60
	1000.00	25	13	19.71	19.90	19.27	20.60
		25	25	19.77	19.80	19.22	20.60
		50	0	19.82	19.74	19.42	20.60
			9		20.12	20.23	20.60
			\cap	2012			
		1	0 25	20.12			
	640014	1 1	25	20.43	20.43	20.24	20.60
	64QAM	1					

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		25	25	19.26	19.31	19.13	19.60
		50	0	19.16	19.26	19.29	19.60
			55 "	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20825	21100	21375	Tune up
		1	0	20.26	20.42	20.26	21.60
		1	38	20.93	20.64	20.34	21.60
		1	74	20.17	20.69	20.10	21.60
	QPSK	36	0	20.76	20.32	20.20	21.60
		36	18	20.37	20.20	19.94	21.60
		36	39	20.02	20.21	19.86	21.60
		75	0	20.40	20.30	19.87	21.60
		1	0	20.22	20.48	20.89	21.60
		1	38	20.99	20.96	20.69	21.60
		1	74	20.88	20.98	20.38	21.60
15MHz	16QAM	36	0	19.81	19.72	19.67	20.60
		36	18	19.91	19.85	19.47	20.60
		36	39	19.73	19.68	19.27	20.60
		75	0	19.84	19.74	19.59	20.60
		1	0	20.16	20.17	20.12	20.60
		1	38	20.21	20.14	20.46	20.60
		1	74	20.34	20.16	20.23	20.60
	64QAM	36	0	19.21	19.44	19.26	19.60
	<u> </u>	36	18	19.42	19.46	19.34	19.60
		36	39	19.52	19.44	19.30	19.60
		75	0	19.46	19.31	19.26	19.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danawian	Wioddiation			20850	21100	21350	rane ap
		1	0	20.45	20.04	20.23	21.60
		1	50	20.55	20.74	20.24	21.60
		1	99	19.89	19.87	19.60	21.60
	QPSK	50	0	20.67	20.24	20.51	21.60
		50	25	20.08	20.19	20.12	21.60
		50	50	20.41	20.19	19.83	21.60
		100	0	20.50	20.49	20.00	21.60
		1	0	20.95	20.63	20.02	21.60
		1	50	21.05	21.01	19.62	21.60
20MHz		1	99	20.47	20.29	19.40	21.60
	16QAM	50	0	20.06	19.83	19.64	20.60
		50	25	19.41	19.71	19.67	20.60
		50	50	19.74	19.83	19.45	20.60
		100	0	19.90	19.75	19.80	20.60
		1	0	20.49	20.48	20.49	20.60
		1	50	20.31	20.25	20.05	20.60
	i l	1	99	20.31	20.00	19.65	20.60
	64QAM		1				
	64QAM	50	0	19.21	19.23	19.45	19.60
	64QAM		1	19.21 19.26 19.34	19.23 19.28 19.35	19.45 19.26 19.52	19.60 19.60 19.60

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		100	0	19.26	19.59	19.42	19.60
LTE Band 7 Wit	fi Hotspot on(1	0mm SAR s	ensor off)	C	Conducted Po	ower(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
		1	0	17.79	17.84	17.47	18.60
	\ .	1	13	17.66	17.57	17.06	18.60
		1	24	17.66	17.36	17.04	18.60
	QPSK	12	0	17.60	17.57	17.32	18.60
		12	6	17.68	17.53	17.20	18.60
		12	13	17.63	17.55	17.02	18.60
		25	0	17.49	17.50	17.10	18.60
		1	0	17.79	17.83	17.19	18.60
		1	13	17.88	17.77	17.70	18.60
		1	24	17.94	17.84	17.40	18.60
5MHz	16QAM	12	0	17.69	17.41	17.18	18.60
		12	6	17.60	17.42	17.12	18.60
		12	13	17.54	17.44	17.09	18.60
		25	0	17.50	17.46	17.14	18.60
		1	0	17.85	17.89	17.88	18.60
		1	13	17.76	17.94	17.38	18.60
		1	24	17.64	17.95	17.37	18.60
	64QAM	12	0	17.61	17.84	17.54	18.60
		12	6	17.60	17.85	17.25	18.60
		12	13	17.56	17.82	16.92	18.60
		25	0	17.59	17.76	17.43	18.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
		4		20800	21100	21400	
		1	0	17.04	17.04	16.64	18.60
		1	25	17.12	17.50	17.38	18.60
	ODOK	1	49	16.93	16.65	17.02	18.60
	QPSK	25	0	17.64	17.45	17.40	18.60
		25	13	17.63	17.52	17.42	18.60
	`	25	25	17.59	17.56	16.89	18.60
		50	0	17.77	17.47	17.40	18.60
		1	0	17.15	17.45	17.12	18.60
40001		11	25	17.74	17.74	17.93	18.60
10MHz	400 414	1	49	16.87	17.08	17.03	18.60
	16QAM	25	0	17.46	17.54	17.46	18.60
		25	13	17.59	17.55	17.19	18.60
		25	25	17.52	17.56	16.96	18.60
		50	0	17.50	17.61	17.30	18.60
		1	0	17.14	17.43	17.31	18.60
		11	25	17.76	17.62	17.66	18.60
	64QAM	1	49	16.69	17.11	16.67	18.60
		25	0	17.81	17.96	17.69	18.60
		25	13	17.76	17.89	17.40	18.60

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	<u> </u>				1	l .=	1
		25	25	17.33	17.77	17.35	18.60
		50	0	17.66	17.90	17.62	18.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	•
		1	0	16.95	17.27	16.93	18.60
		1	38	17.96	17.50	17.25	18.60
		1	74	17.41	17.56	17.43	18.60
	QPSK	36	0	17.56	17.59	17.62	18.60
		36	18	17.55	17.52	17.20	18.60
		36	39	17.58	17.58	17.37	18.60
		75	0	17.51	17.58	17.38	18.60
		1	0	17.42	17.14	17.36	18.60
		1	38	17.72	17.87	17.13	18.60
		1	74	17.83	17.70	17.77	18.60
15MHz	16QAM	36	0	17.86	17.56	17.52	18.60
		36	18	17.82	17.58	17.13	18.60
		36	39	17.51	17.47	17.23	18.60
		75	0	17.86	17.44	17.46	18.60
		1	0	17.39	17.37	17.26	18.60
		1	38	17.88	17.75	17.82	18.60
		1	74	17.62	17.77	17.05	18.60
	64QAM	36	0	17.77	17.79	17.82	18.60
		36	18	17.67	17.64	17.62	18.60
		36	39	17.44	17.70	17.27	18.60
		75	0	17.66	17.64	17.72	18.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danawian	Woodiation	TO SIZE		20850	21100	21350	rane ap
		1	0	17.22	17.09	17.16	18.60
		1	50	16.90	17.03	17.20	18.60
		1	99	16.96	17.02	17.02	18.60
	QPSK	50	0	17.60	17.66	17.69	18.60
		50	25	17.44	17.33	17.60	18.60
		50	50	17.98	17.85	17.19	18.60
		100	0	17.60	17.42	17.61	18.60
		1	0	16.63	17.45	17.21	18.60
		1	50	17.85	17.61	17.40	18.60
20MHz	-	1	99	17.56	16.97	17.29	18.60
ZUIVITZ	16QAM	50	0	17.72	17.62	17.57	18.60
		50	25	17.31	17.54	17.51	18.60
		50	50	17.74	17.67	17.16	18.60
		100	0	17.76	17.63	17.62	18.60
		1	0	17.18	17.18	17.18	18.60
		1	50	17.18	17.18	17.18	18.60
	640014	1	99	17.18	17.18	17.18	18.60
	64QAM	50	0	17.18	17.18	17.18	18.60
		50	25	17.18	17.18	17.18	18.60
	Í	50	50	17.18	17.18	17.18	18.60

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		100	0	17.18	17.18	17.18	18.60
LTE Band 7 SA	R sensor on lev	el D0 +Wifi	Hotspot on	C	onducted Po	wer(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
		1	0	14.87	15.16	14.84	15.60
		1	13	14.91	15.17	14.62	15.60
		1	24	14.84	15.14	14.30	15.60
	QPSK	12	0	14.85	15.29	14.80	15.60
		12	6	15.12	15.22	14.68	15.60
		12	13	15.10	15.23	14.35	15.60
		25	0	15.07	15.32	14.48	15.60
		1	0	15.48	15.28	15.42	15.60
		1	13	15.38	15.16	14.59	15.60
		1	24	15.49	15.44	14.52	15.60
5MHz	16QAM	12	0	15.10	15.29	14.79	15.60
		12	6	15.32	15.27	14.23	15.60
		12	13	15.10	15.23	14.55	15.60
		25	0	15.04	15.18	14.53	15.60
		1	0	15.13	15.17	14.62	15.60
		1	13	15.14	15.10	14.79	15.60
		1	24	14.57	14.75	14.66	15.60
	64QAM	12	0	15.19	15.13	14.79	15.60
		12	6	14.99	15.19	14.73	15.60
		12	13	14.95	15.12	14.74	15.60
		25	0	14.88	15.13	14.71	15.60
Dan desidab	Madulation	DD ai-a	DD offeet	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20800	21100	21400	Tune up
		1	0	14.30	14.61	14.14	15.60
		1	25	14.86	14.91	14.33	15.60
		0.1	49	14.00	14.32	13.66	15.60
	QPSK	25	0	15.13	15.14	15.02	15.60
		25	13	15.12	15.04	14.80	15.60
		25	25	15.08	15.21	14.75	15.60
		50	0	15.13	15.18	14.75	15.60
		1	0	14.43	15.01	14.76	15.60
		1	25	15.04	15.26	14.89	15.60
10MHz		1	49	13.96	14.63	13.69	15.60
	16QAM	25	0	15.14	15.03	14.90	15.60
		25	13	14.98	15.08	14.77	15.60
		25	25	15.01	15.09	14.39	15.60
		50	0	15.15	15.19	14.72	15.60
		1	0	13.95	14.53	14.16	15.60
		1	25	15.12	15.17	14.78	15.60
	64QAM	1	49	13.87	14.19	13.90	15.60
		25	0	15.01	15.18	14.87	15.60
		25	13	15.06	14.85	14.81	15.60

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		25	25	14.97	14.88	14.66	15.60
		50	0	14.98	15.17	14.72	15.60
			DD " .	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20825	21100	21375	Tune up
		1	0	14.34	14.63	14.75	15.60
		1	38	14.97	15.04	15.01	15.60
		1	74	14.67	15.12	14.36	15.60
	QPSK	36	0	15.08	15.24	15.03	15.60
		36	18	15.10	15.20	14.71	15.60
		36	39	14.96	14.95	14.32	15.60
		75	0	14.99	14.95	14.92	15.60
		1	0	14.60	14.86	14.99	15.60
		1	38	15.51	15.38	15.48	15.60
		1	74	15.44	15.19	14.66	15.60
15MHz	16QAM	36	0	15.39	15.18	14.93	15.60
		36	18	14.99	15.11	14.84	15.60
		36	39	15.05	14.74	14.34	15.60
		75	0	14.84	14.86	14.89	15.60
		1	0	14.97	14.88	15.03	15.60
		1	38	15.11	15.11	14.87	15.60
	64QAM	1	74	15.18	14.87	15.02	15.60
		36	0	14.97	14.88	14.66	15.60
		36	18	15.07	14.93	14.98	15.60
		36	39	15.12	15.17	15.19	15.60
		75	0	15.08	15.12	15.01	15.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danawidin	Modulation	IVD SIZE	IND Ollset	20850	21100	21350	Turie up
		1	0	14.53	14.61	14.61	15.60
		1	50	14.92	15.11	14.62	15.60
		1	99	14.19	14.35	13.86	15.60
	QPSK	50	0	15.52	15.20	15.22	15.60
		50	25	14.94	15.16	14.98	15.60
		50	50	15.02	15.23	14.77	15.60
	\	100	0	15.15	15.22	15.08	15.60
		1	0	14.92	14.76	14.91	15.60
		1	50	14.61	15.06	14.97	15.60
20MHz		1	99	14.92	14.15	14.25	15.60
20.02	16QAM	50	0	15.14	15.20	15.16	15.60
		50	25	14.78	15.05	14.90	15.60
		50	50	14.89	15.14	14.75	15.60
		100	0	15.14	14.88	14.86	15.60
		1	0	14.86	14.80	14.91	15.60
		1	50	15.07	14.93	14.79	15.60
	64QAM	1	99	14.33	14.22	13.99	15.60
	5 1 G/ 11V1	50	0	15.07	15.13	15.12	15.60
		50	25	14.99	14.82	14.97	15.60
		50	50	14.88	15.21	14.84	15.60

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		100	0	15.01	15.19	14.99	15.60
LTE Band 7 SAF	R sensor on lev				Conducted Po		10.00
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
	\	1	0	16.78	16.75	16.47	17.60
	\	1	13	16.87	16.79	15.90	17.60
	QPSK	1	24	16.49	16.26	16.03	17.60
		12	0	16.89	16.82	16.23	17.60
		12	6	16.79	16.90	16.03	17.60
		12	13	16.88	16.81	16.17	17.60
		25	0	16.85	16.78	16.14	17.60
		1	0	17.04	17.02	16.64	17.60
		1	13	17.03	16.70	16.57	17.60
		1	24	16.93	16.62	16.17	17.60
5MHz	16QAM	12	0	16.89	16.86	16.11	17.60
		12	6	16.87	16.62	16.08	17.60
		12	13	16.48	16.66	15.88	17.60
		25	0	16.32	16.55	16.19	17.60
		1	0	16.39	16.42	16.46	17.60
	64QAM	1	13	16.31	16.38	16.25	17.60
		1	24	16.56	16.26	16.41	17.60
		12	0	16.49	16.56	16.43	17.60
		12	6	16.32	16.58	16.25	17.60
		12	13	16.31	16.41	16.35	17.60
		25	0	16.37	16.47	16.37	17.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	•
		1	0	15.92	16.17	15.76	17.60
		1	25	16.19	16.20	16.38	17.60
	2721	1	49	15.73	15.96	15.96	17.60
	QPSK	25	0	16.59	16.61	16.66	17.60
		25	13	16.67	16.68	16.11	17.60
		25	25	16.62	16.66	16.00	17.60
		50	0	16.68	16.61	16.45	17.60
		1	0	15.91	16.32	16.25	17.60
40000		1	25	16.54	17.10	16.57	17.60
10MHz	400414	1	49	16.11	16.16	16.03	17.60
	16QAM	25	0	16.65	16.51	16.42	17.60
		25	13	16.62	16.61	16.00	17.60
		25	25	16.60	16.58	16.29	17.60
		50	0	16.64	16.61	16.24	17.60
		1	0	16.28	16.52	15.94	17.60
	040014	1	25	16.51	16.29	16.42	17.60
	64QAM	1	49	16.14	16.04	15.90	17.60
		25	0	16.51	16.53	16.50	17.60
		25	13	16.47	16.43	16.47	17.60

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	<u> </u>	0.5	1 05	40.55	10.40	40.40	47.00
		25	25	16.55	16.42	16.43	17.60
		50	0	16.51	16.41	16.26	17.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
			0	20825	21100	21375	4= 00
		1	0	15.94	16.17	15.92	17.60
		1	38	16.83	16.65	16.51	17.60
	ODOK	1	74	16.74	16.68	16.07	17.60
	QPSK	36	0	16.75	16.76	16.57	17.60
		36	18	16.68	16.64	16.48	17.60
		36	39	16.69	16.74	16.19	17.60
		75	0	16.74	16.63	16.52	17.60
		1	0	16.11	16.18	16.08	17.60
		1	38	16.61	17.06	16.82	17.60
		1	74	16.89	16.81	16.46	17.60
15MHz	16QAM	36	0	16.93	16.66	16.62	17.60
		36	18	16.55	16.57	16.05	17.60
		36	39	16.81	16.56	16.10	17.60
		75	0	16.76	16.57	16.58	17.60
		1	0	15.95	16.12	16.18	17.60
		1	38	16.56	16.21	16.27	17.60
		1	74	16.14	16.25	16.41	17.60
	64QAM	36	0	16.34	16.50	16.43	17.60
		36	18	16.13	15.88	16.26	17.60
F FO		36	39	15.95	16.04	16.12	17.60
		75	0	15.99	16.25	16.38	17.60
Bandwidth	Madulation	RB size	RB offset	Channel	Channel	Channel	T
Bandwidth	Modulation	RD SIZE	KD Ollset	20850	21100	21350	Tune up
		1	0	16.18	16.28	16.27	17.60
		1	50	17.11	16.99	16.61	17.60
		1	99	15.96	16.03	15.68	17.60
	QPSK	50	0	16.90	16.87	16.81	17.60
		50	25	16.47	16.44	16.37	17.60
		50	50	16.82	16.68	16.51	17.60
		100	0	16.77	16.62	16.60	17.60
		1	0	16.93	16.08	15.96	17.60
		1	50	16.99	16.63	16.24	17.60
0.00		1	99	16.06	16.33	16.07	17.60
20MHz	16QAM	50	0	16.79	16.38	16.61	17.60
		50	25	16.35	16.41	16.64	17.60
		50	50	16.65	16.76	16.27	17.60
		100	0	16.65	16.61	16.66	17.60
		1	0	16.56	16.27	16.54	17.60
		1	50	16.24	16.21	16.52	17.60
		1	99	16.39	15.64	16.02	17.60
	64QAM	50	0	16.43	16.45	16.53	17.60
		50	25	15.94	16.33	16.39	
					16.38		17.60
1	I	50	50	16.31	I 10.38	15.88	17.60

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		100	0	16.37	16.33	16.41	17.60
ı	TE Band 12 Fu	II power			Conducted P	ower(dBm)	
Dan desideb	Modulation	DD ains	DD offeet	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	23017	23095	23173	Tune up
		1	0	23.49	23.29	23.43	24.00
		1	2	23.12	23.11	23.08	24.00
		1	5	23.48	23.20	23.46	24.00
	QPSK	3	0	23.42	23.20	23.35	24.00
		3	2	23.42	23.01	23.22	24.00
		3	3	23.37	23.23	23.30	24.00
		6	0	22.48	22.20	22.36	23.00
		1	0	22.75	22.54	22.60	23.00
		1	2	22.47	22.50	22.34	23.00
		1	5	22.75	22.51	22.74	23.00
1.4MHz	1.4MHz 16QAM	3	0	22.44	22.21	22.38	23.00
		3	2	22.32	22.14	22.40	23.00
		3	3	22.28	22.10	22.36	23.00
		6	0	21.34	21.02	21.34	22.00
		1	0	21.50	21.38	21.49	22.00
		1	2	21.20	21.19	21.09	22.00
		1	5	21.57	21.24	21.51	22.00
	64QAM	3	0	21.49	21.29	21.35	22.00
		3	2	21.47	21.02	21.26	22.00
		3	3	21.42	21.23	21.31	22.00
		6	0	20.53	20.24	20.38	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danuwium	Modulation	KD SIZE	KD Oliset	23025	23095	23165	Turie up
		1	0	23.59	23.39	23.47	24.00
		1	7	23.13	22.72	23.12	24.00
		e 1	14	23.58	23.35	23.49	24.00
	QPSK	8	0	22.31	22.21	22.29	23.00
		8	4	22.33	22.07	22.30	23.00
		8	7	22.38	22.19	22.29	23.00
		15	0	22.48	22.21	22.34	23.00
		1	0	22.56	22.52	22.50	23.00
		1	7	22.45	21.87	21.92	23.00
3MHz		1	14	22.70	22.51	22.68	23.00
	16QAM	8	0	21.24	21.12	21.15	22.00
		8	4	21.38	21.19	21.37	22.00
		8	7	21.33	21.20	21.29	22.00
		15	0	21.35	21.17	21.28	22.00
		1	0	21.65	21.41	21.50	22.00
		1	7	21.16	20.72	21.18	22.00
	64QAM	1	14	21.61	21.40	21.57	22.00
		8	0	20.33	20.29	20.31	21.00
		8	4	20.35	20.08	20.32	21.00

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		0	7	00.44	00.05	00.00	1 04 00
		8	7	20.41	20.25	20.30	21.00
		15	0	20.53	20.25	20.41	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
		1	0	23.50	23.41	23.53	24.00
		1	13	23.52	23.27	23.44	24.00
	0.0014	1	24	23.67	23.42	23.53	24.00
	QPSK	12	0	22.41	22.35	22.37	23.00
		12	6	22.39	22.19	22.31	23.00
		12	13	22.43	22.32	22.40	23.00
		25	0	22.41	22.20	22.34	23.00
		1	0	22.62	22.60	22.67	23.00
		1	13	22.62	22.44	22.63	23.00
		1	24	22.60	22.66	22.70	23.00
5MHz	16QAM	12	0	21.41	21.31	21.34	22.00
		12	6	21.36	21.10	21.24	22.00
		12	13	21.40	21.30	21.41	22.00
		25	0	21.36	21.11	21.31	22.00
		1	0	21.52	21.44	21.60	22.00
		1	13	21.57	21.27	21.47	22.00
		1	24	21.61	21.45	21.60	22.00
	64QAM	12	0	20.46	20.42	20.41	21.00
		12	6	20.42	20.23	20.36	21.00
	N.	12	13	20.48	20.34	20.44	21.00
		25	0	20.43	20.21	20.36	21.00
Dan desidab	Madulation	DD -:	DD -#t	Channel	Channel	Channel	т
Bandwidth	Modulation	RB size	RB offset	23060	23095	23130	Tune up
		1	0	23.61	23.59	23.44	24.00
		1	25	23.05	22.84	23.11	24.00
		1	49	23.66	23.62	23.62	24.00
	QPSK	25	0	22.51	22.44	22.46	23.00
		25	13	22.49	22.30	22.43	23.00
				22.43	22.00		
		25	25		22.41	22.45	
		25 50		22.43			23.00
			25	22.37	22.41	22.45	23.00 23.00
			25 0	22.37 22.43	22.41 22.29	22.45 22.47	23.00 23.00 23.00
cs		50 1	25 0 0	22.37 22.43 22.66	22.41 22.29 22.68 22.56	22.45 22.47 22.51 22.73	23.00 23.00 23.00 23.00
10MHz	16QAM	50 1 1	25 0 0 25	22.37 22.43 22.66 22.70	22.41 22.29 22.68	22.45 22.47 22.51	23.00 23.00 23.00 23.00 23.00
10MHz	16QAM	50 1 1 1 1 25	25 0 0 25 49	22.37 22.43 22.66 22.70 22.61 21.45	22.41 22.29 22.68 22.56 22.72 21.35	22.45 22.47 22.51 22.73 22.74	23.00 23.00 23.00 23.00 23.00 23.00 22.00
10MHz	16QAM	50 1 1 1	25 0 0 25 49 0	22.37 22.43 22.66 22.70 22.61 21.45 21.48	22.41 22.29 22.68 22.56 22.72	22.45 22.47 22.51 22.73 22.74 21.27 21.39	23.00 23.00 23.00 23.00 23.00 22.00 22.00
10MHz	16QAM	50 1 1 1 1 25 25 25	25 0 0 25 49 0 13	22.37 22.43 22.66 22.70 22.61 21.45	22.41 22.29 22.68 22.56 22.72 21.35 21.25 21.37	22.45 22.47 22.51 22.73 22.74 21.27 21.39 21.42	23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00
10MHz	16QAM	50 1 1 1 1 25 25	25 0 0 25 49 0 13 25 0	22.37 22.43 22.66 22.70 22.61 21.45 21.48 21.31 21.38	22.41 22.29 22.68 22.56 22.72 21.35 21.25 21.37 21.23	22.45 22.47 22.51 22.73 22.74 21.27 21.39 21.42 21.41	23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00
10MHz	16QAM	50 1 1 1 25 25 25 25 50	25 0 0 25 49 0 13 25 0	22.37 22.43 22.66 22.70 22.61 21.45 21.48 21.31 21.38 21.64	22.41 22.29 22.68 22.56 22.72 21.35 21.25 21.25 21.25 21.23 21.65	22.45 22.47 22.51 22.73 22.74 21.27 21.39 21.42 21.41 21.48	23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00
10MHz		50 1 1 1 25 25 25 25 50 1	25 0 0 25 49 0 13 25 0 0 25	22.37 22.43 22.66 22.70 22.61 21.45 21.48 21.31 21.38 21.64 21.12	22.41 22.29 22.68 22.56 22.72 21.35 21.25 21.37 21.23 21.65 20.93	22.45 22.47 22.51 22.73 22.74 21.27 21.39 21.42 21.41 21.48 21.15	23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00
10MHz	16QAM 64QAM	50 1 1 1 25 25 25 25 50 1 1	25 0 0 25 49 0 13 25 0 0 0 25 49	22.37 22.43 22.66 22.70 22.61 21.45 21.48 21.31 21.38 21.64 21.12 21.68	22.41 22.29 22.68 22.56 22.72 21.35 21.25 21.37 21.23 21.65 20.93 21.70	22.45 22.47 22.51 22.73 22.74 21.27 21.39 21.42 21.41 21.48 21.15 21.68	23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
10MHz		50 1 1 1 25 25 25 50 1 1 1 25	25 0 0 25 49 0 13 25 0 0 25 49 0	22.37 22.43 22.66 22.70 22.61 21.45 21.48 21.31 21.38 21.64 21.12 21.68 20.58	22.41 22.29 22.68 22.72 21.35 21.25 21.37 21.23 21.65 20.93 21.70 20.44	22.45 22.47 22.51 22.73 22.74 21.27 21.39 21.42 21.41 21.48 21.15 21.68 20.52	23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 21.00
10MHz		50 1 1 1 25 25 25 25 50 1 1	25 0 0 25 49 0 13 25 0 0 0 25 49	22.37 22.43 22.66 22.70 22.61 21.45 21.48 21.31 21.38 21.64 21.12 21.68	22.41 22.29 22.68 22.56 22.72 21.35 21.25 21.37 21.23 21.65 20.93 21.70	22.45 22.47 22.51 22.73 22.74 21.27 21.39 21.42 21.41 21.48 21.15 21.68	23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00

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		50	0	20.52	20.31	20.56	21.00
	LTE Band 17 F	ull power		(Conducted Po	ower(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel 23755	Channel 23790	Channel 23825	Tune up
		1	0	23.44	23.39	23.37	24.00
		1	13	23.40	23.49	23.37	24.00
		1	24	23.33	23.37	23.40	24.00
	QPSK	12	0	22.05	22.09	22.01	23.00
		12	6	22.02	22.01	22.00	23.00
		12	13	22.02	22.05	22.05	23.00
		25	0	22.03	22.04	21.93	23.00
		1	0	22.57	22.40	22.51	23.00
		1	13	22.45	22.52	22.47	23.00
		1	24	22.61	22.50	22.52	23.00
5MHz	16QAM	12	0	21.27	21.22	21.15	22.00
		12	6	21.18	21.16	21.18	22.00
		12	13	21.25	21.27	21.22	22.00
		25	0	21.19	21.17	21.18	22.00
		1	0	21.47	21.46	21.40	22.00
		1	13	21.49	21.55	21.39	22.00
		1	24	21.40	21.44	21.48	22.00
	64QAM	12	0	20.10	20.18	20.06	21.00
		12	6	20.09	20.06	20.07	21.00
		12	13	20.08	20.09	20.06	21.00
		25	0	20.11	20.13	19.94	21.00
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	23780	23790	23800	Tune up
		1	0	23.66	23.54	23.56	24.00
		1	25	23.01	23.03	23.21	24.00
		1	49	23.44	23.44	23.53	24.00
	QPSK	25	0	22.15	22.17	22.12	23.00
	4. 5.1	25	13	22.12	22.12	22.12	23.00
		25	25	22.19	22.17	22.14	23.00
		50	0	22.10	22.13	22.12	23.00
		1	0	22.66	22.58	22.50	23.00
		 1	25	22.41	22.52	22.45	23.00
10MHz		<u>.</u> 1	49	22.62	22.62	22.71	23.00
0.6111.12	16QAM	25	0	21.31	21.33	21.31	22.00
	. 5 3,	25	13	21.33	21.37	21.33	22.00
		25	25	21.35	21.34	21.35	22.00
		50	0	21.31	21.30	21.32	22.00
		1	0	21.71	21.59	21.60	22.00
		<u>'</u> 1	25	21.03	21.06	21.27	22.00
1	040484						
	640AM	1	1 44	21 53	/145	/1 h/	1 // [1
	64QAM	1 25	49	21.53 20.19	21.45 20.18	21.62 20.15	22.00 21.00

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25	25	20.20	20.20	20.14	21.00
50	0	20.10	20.14	20.21	21.00

	LTE Band 26 F	ull power		C	Conducted Po	ower(dBm)	
			55 " .	Channel	Channel	Channel	I _
Bandwidth	Modulation	RB size	RB offset	26697	26865	27033	Tune up
		1	0	23.26	23.19	23.21	24.00
		1	2	22.83	22.95	22.96	24.00
		1	5	23.23	23.18	23.19	24.00
	QPSK	3	0	23.14	23.07	23.16	24.00
		3	2	23.17	23.16	23.14	24.00
		3	3	23.15	23.10	23.11	24.00
		6	0	22.11	22.15	22.15	23.00
		1	0	22.54	22.49	22.38	23.00
		1	2	22.27	22.24	22.33	23.00
		1	5	22.45	22.38	22.47	23.00
1.4MHz	16QAM	3	0	22.05	22.02	22.04	23.00
		3	2	22.19	22.11	22.09	23.00
		3	3	22.15	22.07	22.03	23.00
		6	0	21.14	20.97	21.07	22.00
		1	0	21.36	21.27	21.28	22.00
		1	2	20.84	21.02	21.03	22.00
		1	5	21.29	21.22	21.26	22.00
	64QAM	3	0	21.16	21.15	21.23	22.00
		3	2	21.22	21.19	21.16	22.00
		3	3	21.24	21.16	21.11	22.00
		6	0	20.20	20.20	20.21	21.00
Don duvidéh	Modulation	DD oizo	DD offeet	Channel	Channel	Channel	Tungun
Bandwidth	iviodulation	RB size	RB offset	26705	26865	27025	Tune up
		1	0	23.27	23.23	23.24	24.00
		1	7	22.77	22.88	22.80	24.00
		1	14	23.22	23.25	23.26	24.00
	QPSK	8	0	22.21	22.15	22.13	23.00
		8	4	22.12	22.18	22.14	23.00
		8	7	22.18	22.10	22.13	23.00
		15	0	22.19	22.18	22.22	23.00
		1	0	22.38	22.44	22.42	23.00
3MHz		1	7	22.02	21.99	21.90	23.00
		1	14	22.44	22.41	22.40	23.00
	16QAM	8	0	21.07	20.94	21.07	22.00
	Ι Γ	8	4	21.13	21.11	21.18	22.00
		8	7	21.12	21.06	21.14	22.00
		15	0	21.18	21.08	21.15	22.00
		1	0	21.29	21.26	21.28	22.00
	64QAM	1	7	20.81	20.91	20.87	22.00
		1	14	21.25	21.32	21.32	22.00

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		8	0	20.27	20.21	20.18	21.00
		8	4	20.21	20.25	20.23	21.00
		8	7	20.22	20.14	20.15	21.00
		15	0	20.27	20.26	20.28	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danawidin	Modulation	IVD SIZE	IVD Ollset	26715	26865	27015	Turie up
		1	0	23.30	23.22	23.26	24.00
		1	13	23.24	23.23	23.26	24.00
		1	24	23.24	23.27	23.27	24.00
	QPSK	12	0	22.27	22.21	22.20	23.00
		12	6	22.23	22.16	22.16	23.00
		12	13	22.21	22.28	22.22	23.00
		25	0	22.19	22.16	22.16	23.00
		1	0	22.48	22.39	22.39	23.00
		1	13	22.41	22.35	22.39	23.00
		1	24	22.46	22.38	22.44	23.00
5MHz	16QAM	12	0	21.25	21.20	21.17	22.00
		12	6	21.13	21.09	21.13	22.00
		12	13	21.11	21.21	21.18	22.00
		25	0	21.11	21.14	21.11	22.00
		1	0	21.39	21.28	21.35	22.00
		1	13	21.32	21.30	21.30	22.00
		1	24	21.30	21.33	21.34	22.00
	64QAM	12	0	20.28	20.23	20.25	21.00
		12	6	20.26	20.16	20.18	21.00
		12	13	20.28	20.29	20.28	21.00
		25	0	20.20	20.24	20.23	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up
Danuwium	Modulation	KD SIZE	KB oliset	26740	26865	26990	Tune up
		1	0	23.24	23.19	23.20	24.00
		1	25	22.94	22.86	22.80	24.00
		1	49	23.20	23.19	23.22	24.00
	QPSK	25	0	22.20	22.22	22.20	23.00
		25	13	22.24	22.19	22.17	23.00
		25	25	22.25	22.19	22.20	23.00
		50	0	22.22	22.24	22.22	23.00
		1	0	22.46	22.44	22.40	23.00
10MHz		1	25	22.37	22.32	22.03	23.00
TOWIFIZ		1	49	22.49	22.40	22.37	23.00
	16QAM	25	0	21.11	21.12	21.08	22.00
		25	13	21.17	21.11	21.11	22.00
		25	25	21.08	21.11	21.11	22.00
		50	0	21.12	21.09	21.11	22.00
		1	0	21.32	21.23	21.27	22.00
	64QAM	1	25	20.98	20.88	20.82	22.00
	U4QAW	1	49	21.20	21.23	21.24	22.00
		25	0	20.27	20.26	20.22	21.00

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		25	13	20.34	20.21	20.20	21.00
		25	25	20.31	20.23	20.23	21.00
		50	0	20.24	20.33	20.27	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up
Danuwium	Modulation	KD SIZE	KD Ollset	26765	26865	26965	Tune up
		1	0	23.26	23.23	23.24	24.00
		1	38	23.35	23.29	23.27	24.00
		1	74	23.18	23.17	23.16	24.00
	QPSK	36	0	22.29	22.31	22.25	23.00
		36	18	22.29	22.25	22.27	23.00
		36	39	22.33	22.32	22.28	23.00
		75	0	22.29	22.24	22.22	23.00
		1	0	22.46	22.51	22.47	23.00
		1	38	22.58	22.54	22.49	23.00
		1	74	22.41	22.42	22.40	23.00
15MHz	16QAM	36	0	21.20	21.25	21.21	22.00
		36	18	21.24	21.22	21.19	22.00
		36	39	21.20	21.23	21.22	22.00
		75	0	21.19	21.18	21.16	22.00
		1	0	21.33	21.26	21.26	22.00
		1	38	21.40	21.36	21.32	22.00
		1	74	21.26	21.26	21.17	22.00
	64QAM	36	0	20.36	20.33	20.28	21.00
		36	18	20.34	20.27	20.31	21.00
		36	39	20.42	20.41	20.34	21.00
		75	0	20.35	20.32	20.32	21.00

	LTE Band 38 Head Scene(receiver on)+SAR sensor off Body Scene(SAR sensor on Level D1&D2&D3)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun	
Danuwium	Modulation	IND Size IND Offset	37775	38000	38225	Tune up		
		1	0	22.13	21.91	21.81	23.00	
		1	13	22.08	21.86	21.88	23.00	
		1	24	21.97	21.82	21.81	23.00	
	QPSK	12	0	21.10	20.93	20.84	22.00	
		12	6	20.97	20.84	20.80	22.00	
		12	13	20.99	20.84	20.76	22.00	
18		25	0	21.01	20.82	20.80	22.00	
5MHz		1	0	21.39	20.97	20.85	22.00	
ЭМП		1	13	21.20	20.92	20.82	22.00	
		1	24	21.14	20.86	20.87	22.00	
	16QAM	12	0	20.02	19.81	19.72	21.00	
		12	6	20.11	19.73	19.67	21.00	
		12	13	19.85	20.00	19.73	21.00	
		25	0	19.89	19.99	19.72	21.00	
	64QAM	1	0	20.79	20.60	20.42	21.00	
	U4QAW	1	13	20.97	20.51	20.46	21.00	

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100	_						
		1	24	20.49	20.46	20.48	21.00
		12	0	19.48	19.47	19.73	20.00
		12	6	19.98	19.85	19.22	20.00
		12	13	19.57	19.22	19.32	20.00
		25	0	19.41	19.38	19.36	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
bandwidth	IVIOGUIALIOIT	KD SIZE	KD Ollset	37800	38000	38200	Tune up
		1	0	21.39	21.19	21.28	23.00
		1	25	22.07	21.86	21.90	23.00
		1	49	21.19	21.23	21.06	23.00
	QPSK	25	0	21.10	20.91	20.88	22.00
		25	13	20.99	20.93	20.86	22.00
		25	25	20.92	20.90	20.89	22.00
		50	0	20.98	20.95	20.88	22.00
		1	0	20.49	20.41	20.26	22.00
		1	25	21.00	21.23	20.77	22.00
		1	49	20.35	20.17	20.16	22.00
10MHz	16QAM	25	0	20.24	20.05	19.90	21.00
		25	13	19.89	19.94	19.88	21.00
		25	25	19.79	19.97	19.77	21.00
		50	0	19.86	19.96	19.86	21.00
		1	0	20.01	20.08	20.03	21.00
		1	25	20.75	20.44	20.56	21.00
		1	49	19.86	19.68	19.85	21.00
	64QAM	25	0	19.69	19.62	19.44	20.00
		25	13	19.81	19.54	19.30	20.00
		25	25	19.54	19.47	19.39	20.00
		50	0	19.77	19.49	19.37	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danuwium	Wodulation	ND SIZE	IVD Ollset	37825	38000	38175	Turie up
		1	0	21.41	21.32	21.19	23.00
		1	38	22.06	21.98	21.87	23.00
		1	74	21.94	21.89	21.75	23.00
	QPSK	36	0	21.09	21.12	20.88	22.00
	L	36	18	21.05	20.93	20.82	22.00
		36	39	20.97	20.98	20.90	22.00
T Colon E		75	0	21.06	20.91	20.84	22.00
		1	0	20.41	20.30	20.08	22.00
15MHz		1	38	21.06	20.94	20.89	22.00
	Ι Γ	1	74	20.96	20.85	20.80	22.00
	16QAM	36	0	20.04	20.05	20.03	21.00
		36	18	19.95	19.99	19.83	21.00
	Ι Γ	36	39	20.00	19.93	19.80	21.00
		75	0	19.93	19.90	19.92	21.00
		1	0	20.31	20.42	19.65	21.00
	64QAM	1	38	20.95	20.55	20.45	
	O+Q/ (IVI		30	20.55	20.55	20.43	21.00

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		36	0	19.79	19.54	19.50	20.00
		36	18	19.69	19.68	19.49	20.00
		36	39	19.75	19.45	19.54	20.00
		75	0	19.69	19.51	19.54	20.00
Dan duvidala	Madulation	DD ains	DD offeet	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	37850	38000	38150	Tune up
		1	0	21.85	21.50	21.37	23.00
		1	50	21.86	21.85	21.71	23.00
		1	99	22.02	21.32	21.27	23.00
	QPSK	50	0	21.25	21.10	20.90	22.00
		50	25	20.99	20.94	20.91	22.00
		50	50	21.11	20.95	20.94	22.00
		100	0	21.22	20.97	20.92	22.00
		1	0	20.68	20.33	20.35	22.00
		1	50	21.11	20.72	21.00	22.00
		1	99	20.27	20.19	20.14	22.00
20MHz	16QAM	50	0	20.33	19.98	19.99	21.00
		50	25	20.12	19.79	19.93	21.00
		50	50	20.14	19.83	19.98	21.00
		100	0	20.14	19.84	19.95	21.00
		1	0	20.49	20.03	19.97	21.00
		1	50	20.62	20.66	20.45	21.00
		1	99	20.15	20.00	19.88	21.00
	64QAM	50	0	19.61	19.67	19.90	20.00
		50	25	19.78	19.62	19.64	20.00
		50	50	19.78	19.47	19.45	20.00
		100	0	19.73	19.56	19.55	20.00

LTE Band 38 B	ody Scene(0r D0)		Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
Danuwium	Modulation	KD SIZE KD UI	KD Ollset	37775	38000	38225	Tune up
		1	0	21.89	21.37	21.24	22.50
		1	13	21.60	21.33	21.32	22.50
	QPSK	1	24	21.40	21.26	21.24	22.50
		12	0	20.67	20.46	20.37	22.00
		12	6	20.64	20.37	20.43	22.00
		12	13	20.54	20.34	20.39	22.00
		25	0	20.44	20.31	20.22	22.00
5MHz		1	0	20.63	20.53	20.15	22.00
		1	13	20.49	20.34	20.42	22.00
		1	24	20.46	20.20	20.24	22.00
	16QAM	12	0	19.52	19.31	19.28	21.00
		12	6	19.79	19.57	19.50	21.00
		12	13	19.33	19.18	19.39	21.00
		25	0	19.42	19.64	19.47	21.00
	64QAM	1	0	20.79	20.60	20.42	21.00

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144							
		1	13	20.97	20.51	20.46	21.00
		1	24	20.49	20.46	20.48	21.00
		12	0	19.48	19.47	19.73	20.00
		12	6	19.98	19.85	19.22	20.00
		12	13	19.57	19.22	19.32	20.00
		25	0	19.41	19.38	19.36	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Dandwidth	Woddiation	ND SIZE	ND onset	37800	38000	38200	
	<u> </u>	1	0	21.14	20.73	20.73	22.50
	<u>_</u>	1	25	21.48	21.53	21.61	22.50
		1	49	20.89	20.65	20.53	22.50
	QPSK	25	0	20.69	20.68	20.39	22.00
		25	13	20.33	20.29	20.35	22.00
		25	25	20.51	20.25	20.24	22.00
		50	0	20.60	20.32	20.23	22.00
		1	0	20.04	20.26	20.13	22.00
		1	25	20.78	20.63	20.63	22.00
		1	49	20.15	20.16	20.13	22.00
10MHz	16QAM	25	0	19.71	19.32	19.67	21.00
		25	13	19.37	19.33	19.56	21.00
		25	25	19.34	19.35	19.26	21.00
		50	0	19.31	19.32	19.72	21.00
		1	0	20.05	19.97	19.73	21.00
	1	1	25	20.39	20.07	19.99	21.00
	1	1	49	19.74	19.58	19.93	21.00
	64QAM	25	0	19.66	19.43	19.59	20.00
	0.0,	25	13	19.55	19.32	19.53	20.00
		25	25	19.58	19.58	19.54	20.00
		50	0	19.71	19.51	19.51	20.00
				Channel	Channel	Channel	20.00
Bandwidth	Modulation	RB size	RB offset	37825	38000	38175	Tune up
		1	0	21.00	20.83	20.52	22.50
		1	38	21.62	21.39	21.16	22.50
		1	74	21.54	21.40	21.43	22.50
	QPSK	36	0	20.67	20.45	20.38	22.00
	Qi Oit	36	18	20.61	20.48	20.41	22.00
		36	39	20.57	20.50	20.41	22.00
	-	75	0	20.63	20.48	20.42	
		1	0	20.03	20.46	20.41	22.00
15MHz	}	1	38	20.68	20.10	20.46	22.00
	}	1		20.56		ł	22.00
	160 4 14		74	 	20.07	20.36	22.00
	16QAM	36	0	19.61	19.61	19.44	21.00
		36	18	19.51	19.54	19.35	21.00
		36	39	19.46	19.53	19.37	21.00
		75	0	19.57	19.49	19.46	21.00
	64QAM	1	0	20.51	20.32	19.91	21.00
	5 . 3,	1	38	20.13	20.66	20.69	21.00

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		1	74	20.44	20.55	20.56	21.00
		36	0	19.82	19.62	19.55	20.00
		36	18	19.59	19.71	19.56	20.00
		36	39	19.70	19.51	19.50	20.00
		75	0	19.71	19.49	19.57	20.00
Donalis i altic	Modulation	DD oizo	RB offset	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	KD Ollset	37850	38000	38150	Tune up
		1	0	21.45	21.20	20.93	22.50
		1	50	21.29	21.18	21.33	22.50
		1	99	21.06	20.92	20.71	22.50
	QPSK	50	0	20.76	20.54	20.42	22.00
		50	25	20.27	20.49	20.30	22.00
		50	50	20.71	20.43	20.42	22.00
		100	0	20.39	20.49	20.38	22.00
		1	0	20.23	20.55	20.06	22.00
		1	50	20.66	20.86	20.61	22.00
		1	99	20.43	20.35	20.16	22.00
20MHz	16QAM	50	0	19.72	19.81	19.82	21.00
		50	25	19.64	19.31	19.15	21.00
		50	50	19.62	19.29	19.18	21.00
		100	0	19.67	19.29	19.41	21.00
		1	0	20.49	20.03	19.97	21.00
		1	50	20.62	20.66	20.45	21.00
		1	99	20.15	20.00	19.88	21.00
	64QAM	50	0	19.61	19.67	19.90	20.00
		50	25	19.78	19.62	19.64	20.00
		50	50	19.78	19.47	19.45	20.00
		100	0	19.73	19.56	19.55	20.00

LTE Band 38 V SAR ser	Vifi Hotspot on sor on level [Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
Danuwidin	iviodulation	IND Size IND Offset	KD Ollset	37775	38000	38225	Tune up
		1	0	20.48	20.35	20.36	22.00
		1	13	20.66	20.33	20.35	22.00
	QPSK	1	24	20.25	20.28	20.33	22.00
		12	0	20.44	20.41	20.45	22.00
		12	6	20.70	20.33	20.29	22.00
		12	13	20.61	20.32	20.42	22.00
5MHz		25	0	20.67	20.39	20.31	22.00
JIVII 12		1	0	20.65	20.30	20.55	22.00
		1	13	20.73	20.29	20.49	22.00
		1	24	20.73	20.07	20.50	22.00
	16QAM	12	0	19.66	19.41	19.43	21.00
		12	6	19.81	19.44	19.30	21.00
		12	13	19.28	19.10	19.21	21.00
		25	0	19.36	19.63	19.35	21.00

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166							
		1	0	20.79	20.31	20.53	21.00
		1	13	20.85	20.35	20.16	21.00
		1	24	20.17	20.27	20.33	21.00
	64QAM	12	0	19.45	19.53	19.37	20.00
		12	6	19.72	19.43	19.36	20.00
		12	13	19.59	19.48	19.31	20.00
		25	0	19.51	19.40	19.70	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
		1	0	20.06	20.05	20.11	22.00
		1	25	20.83	20.53	20.35	22.00
		1	49	20.44	20.41	20.45	22.00
	QPSK	25	0	20.47	20.41	20.45	22.00
		25	13	20.36	20.40	20.33	22.00
		25	25	20.35	20.31	20.37	22.00
		50	0	20.39	20.38	20.36	22.00
		1	0	20.09	20.21	20.11	22.00
		1	25	20.71	20.37	20.21	22.00
		1	49	20.01	20.13	20.10	22.00
10MHz	16QAM	25	0	19.48	19.64	19.29	21.00
		25	13	19.27	19.16	19.16	21.00
		25	25	19.29	19.18	19.23	21.00
		50	0	19.39	19.18	19.21	21.00
		1	0	20.05	19.97	19.73	21.00
		1	25	20.39	20.07	19.99	21.00
		1	49	19.74	19.58	19.93	21.00
	64QAM	25	0	19.66	19.43	19.59	20.00
		25	13	19.55	19.32	19.53	20.00
		25	25	19.58	19.58	19.54	20.00
		50	0	19.71	19.51	19.51	20.00
D 1 1 1 1 1 1		DD :	DD " '	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	37825	38000	38175	Tune up
		1	0	20.01	20.03	20.06	22.00
		1	38	20.57	20.40	20.36	22.00
		1	74	20.44	20.19	20.23	22.00
	QPSK	36	0	20.63	20.46	20.43	22.00
		36	18	20.52	20.37	20.33	22.00
		36	39	20.48	20.32	20.33	22.00
		75	0	20.55	20.38	20.40	22.00
15MHz		1	0	20.13	20.19	20.11	22.00
		 1	38	20.49	20.42	20.36	22.00
		1	74	20.23	20.47	20.59	22.00
	16QAM	36	0	19.56	19.43	19.34	21.00
		36	18	19.52	19.25	19.45	21.00
		36	39	19.59	19.33	19.31	21.00
		75	0	19.46	19.30	19.34	21.00
	64QAM	1	0	20.51	20.32	19.91	21.00
	U4QAW	1	U	20.01	20.32	13.31	∠1.00

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		1	38	20.13	20.66	20.69	21.00
		1	74	20.44	20.55	20.56	21.00
		36	0	19.82	19.62	19.55	20.00
		36	18	19.59	19.71	19.56	20.00
		36	39	19.70	19.51	19.50	20.00
		75	0	19.71	19.49	19.57	20.00
Don dwidth	Modulation	DD oizo	RB offset	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	KD Ollset	37850	38000	38150	Tune up
		1	0	20.07	20.39	20.16	22.00
	À	1	50	20.54	20.11	20.41	22.00
		1	99	20.16	20.13	20.06	22.00
	QPSK	50	0	20.60	20.51	20.50	22.00
		50	25	20.59	20.41	20.44	22.00
		50	50	20.61	20.29	20.47	22.00
		100	0	20.61	20.48	20.40	22.00
		1	0	20.17	20.31	20.07	22.00
		1	50	20.09	20.02	20.05	22.00
		1	99	20.10	20.06	20.08	22.00
20MHz	16QAM	50	0	19.72	19.83	19.33	21.00
		50	25	19.60	19.33	19.29	21.00
		50	50	19.58	19.37	19.27	21.00
		100	0	19.66	19.35	19.36	21.00
		1	0	20.42	20.75	19.97	21.00
		1	50	20.74	20.52	20.59	21.00
		1	99	19.91	19.42	19.75	21.00
	64QAM	50	0	19.82	19.69	19.54	20.00
		50	25	19.70	19.52	19.46	20.00
		50	50	19.68	19.38	19.60	20.00
		100	0	19.71	19.66	19.60	20.00

LTE Dand 20 C	AD concer on	level DO · W	ifi Uetonet en		Canduated D	ower/dDm\	
LTE Band 38 S	AR Sensor on	level DU +W	iii notspot on		Conducted Po		ı
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danuwium	Modulation	IND SIZE	ND onset	37775	38000	38225	Turie up
		1	0	20.87	20.38	20.56	21.50
		1	13	20.68	20.41	20.54	21.50
		1	24	20.68	20.28	20.52	21.50
	QPSK	12	0	20.79	20.44	20.52	21.50
		12	6	20.30	20.36	20.50	21.50
		12	13	20.76	20.35	20.10	21.50
5MHz		25	0	20.67	20.30	20.51	21.50
SIVIFIZ		1	0	20.61	20.35	20.71	21.50
		1	13	20.69	20.35	20.17	21.50
		1	24	20.29	20.26	20.07	21.50
	16QAM	12	0	19.41	19.49	19.24	21.00
		12	6	19.54	19.57	19.09	21.00
		12	13	19.52	19.42	19.27	21.00
		25	0	19.47	19.38	19.42	21.00

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		1	0	20.79	20.31	20.53	21.00
	Ī	1	13	20.85	20.35	20.16	21.00
	Ī	1	24	20.17	20.27	20.33	21.00
	64QAM	12	0	19.45	19.53	19.37	20.00
	Ī	12	6	19.72	19.43	19.36	20.00
	Ī	12	13	19.59	19.48	19.31	20.00
	Ī	25	0	19.51	19.40	19.70	20.00
Dan desideb	Madulation	DD -i	DD -#+	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	37800	38000	38200	Tune up
		1	0	20.01	20.12	19.76	21.50
		1	25	20.54	19.98	20.36	21.50
		1	49	19.81	19.64	19.54	21.50
	QPSK	25	0	20.61	20.50	20.28	21.50
		25	13	20.55	20.47	20.21	21.50
	Ī	25	25	20.58	20.49	20.23	21.50
	Ī	50	0	20.56	20.38	20.21	21.50
		1	0	19.86	19.79	20.10	21.50
		1	25	20.37	19.83	20.43	21.50
		1	49	19.76	19.79	19.72	21.50
10MHz	16QAM	25	0	19.54	19.49	19.57	21.00
	Ī	25	13	19.56	19.40	19.54	21.00
		25	25	19.45	19.38	19.15	21.00
		50	0	19.60	19.45	19.60	21.00
		1	0	20.05	19.97	19.73	21.00
	Ī	1	25	20.39	20.07	19.99	21.00
	Ī	1	49	19.74	19.58	19.93	21.00
	64QAM	25	0	19.66	19.43	19.59	20.00
	Ī	25	13	19.55	19.32	19.53	20.00
	Ī	25	25	19.58	19.58	19.54	20.00
	Ī	50	0	19.71	19.51	19.51	20.00
5 1 1 1 1 1		DD :	DD " 1	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	37825	38000	38175	Tune up
		1	0	20.16	19.94	19.78	21.50
	<u> </u>	1	38	20.72	20.62	20.43	21.50
	Ī	1	74	20.22	20.24	20.39	21.50
	QPSK	36	0	20.56	20.49	20.44	21.50
		36	18	20.54	20.44	20.46	21.50
		36	39	20.60	20.27	20.41	21.50
		75	0	20.60	20.44	20.34	21.50
15MHz		1	0	20.02	19.78	19.87	21.50
		1	38	20.51	20.42	20.12	21.50
		1	74	20.38	20.26	20.45	21.50
	16QAM	36	0	19.84	19.70	19.57	21.00
		36	18	19.62	19.68	19.16	21.00
		36	39	19.24	19.22	19.17	21.00
		75	0	19.80	19.49	19.52	21.00
	64QAM	1	0	20.51	20.32	19.91	21.00

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		1	38	20.13	20.66	20.69	21.00
		1	74	20.44	20.55	20.56	21.00
		36	0	19.82	19.62	19.55	20.00
		36	18	19.59	19.71	19.56	20.00
		36	39	19.70	19.51	19.50	20.00
		75	0	19.71	19.49	19.57	20.00
Dan duvidab	Modulation	DD ei-e	DD offeet	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	37850	38000	38150	Tune up
		1	0	20.60	20.29	19.98	21.50
		1	50	20.44	20.63	20.40	21.50
		1	99	19.60	19.64	19.83	21.50
	QPSK	50	0	20.57	20.77	20.58	21.50
		50	25	20.43	20.24	20.09	21.50
		50	50	20.43	20.44	20.58	21.50
		100	0	20.51	20.45	20.22	21.50
		1	0	20.54	20.19	20.06	21.50
		1	50	20.36	20.10	20.89	21.50
		1	99	19.50	19.89	20.10	21.50
20MHz	16QAM	50	0	19.80	19.73	19.55	21.00
		50	25	19.62	19.59	19.47	21.00
		50	50	19.56	19.25	19.46	21.00
		100	0	19.66	19.72	19.43	21.00
		1	0	20.42	20.75	19.97	21.00
		1	50	20.74	20.52	20.59	21.00
		1	99	19.91	19.42	19.75	21.00
	64QAM	50	0	19.82	19.69	19.54	20.00
		50	25	19.70	19.52	19.46	20.00
		50	50	19.68	19.38	19.60	20.00
		100	0	19.71	19.66	19.60	20.00

Ľ	TE Band 41 F	ull power		Conducted Power(dBm)						
Bandwidth	Modulation	RB	RB offset	Channel	Channel	Channel	Channel	Tune		
Danuwium	iviodulation	size	KD 011561	40165	40515	40865	41215	up		
		1	0	22.02	22.03	21.87	21.84	23.00		
		1	13	22.02	22.06	21.78	21.93	23.00		
1 - 10	QPSK 5MHz	1	24	22.07	21.97	21.81	21.79	23.00		
		12	0	21.07	21.04	20.85	20.90	22.00		
		12	6	20.99	20.98	20.82	20.80	22.00		
		12	13	21.03	21.08	20.86	20.77	22.00		
5MHz		25	0	21.00	20.98	20.86	20.75	22.00		
		1	0	21.08	21.03	20.74	20.76	22.00		
		1	13	21.11	21.02	20.74	20.83	22.00		
	16QAM	1	24	21.06	21.04	20.65	20.70	22.00		
	IOQAM	12	0	20.06	20.01	19.73	19.74	21.00		
		12	6	19.97	20.12	19.72	19.67	21.00		
		12	13	20.01	19.74	19.73	19.74	21.00		

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		25	0	20.05	20.03	19.77	19.70	21.00
		1	0	20.91	20.84	20.42	20.87	21.00
		1	13	20.84	20.62	20.67	20.74	21.00
		1	24	20.98	20.88	20.57	20.73	21.00
	64QAM	12	0	19.94	19.86	19.45	19.87	20.00
		12	6	19.97	19.57	19.53	19.79	20.00
		12	13	19.89	19.57	19.46	19.64	20.00
		25	0	19.92	19.55	19.44	19.72	20.00
		RB		Channel	Channel	Channel	Channel	Tune
Bandwidth	Modulation	size	RB offset	40190	40523	40857	41190	up
		1	0	21.51	21.55	21.19	21.34	23.00
		1	25	22.12	22.07	21.71	21.62	23.00
		1	49	21.23	21.10	21.20	21.12	23.00
	QPSK	25	0	21.01	21.16	20.84	20.81	22.00
	4. 5. 1	25	13	20.91	21.15	20.81	20.76	22.00
		25	25	20.89	20.74	20.79	20.74	22.00
		50	0	20.87	20.73	20.79	20.75	22.00
		1	0	20.33	20.65	20.24	20.20	22.00
		1	25	21.31	21.17	21.03	21.02	22.00
	16QAM	1	49	20.26	20.08	20.07	20.12	22.00
10MHz		25	0	20.19	20.24	19.77	19.83	21.00
1011112		25	13	19.94	20.17	19.74	19.77	21.00
		25	25	19.95	19.94	19.73	19.78	21.00
		50	0	19.94	20.10	19.74	19.77	21.00
		1	0	20.26	20.09	19.99	19.73	21.00
		<u>·</u> 1	25	20.97	20.96	20.71	20.75	21.00
		<u>.</u> 1	49	19.89	19.61	19.87	19.65	21.00
	64QAM	25	0	19.91	19.92	19.50	19.96	20.00
	0+Q/tivi	25	13	19.78	19.81	19.79	19.90	20.00
		25	25	19.76	19.76	19.44	19.52	20.00
		50	0	19.91	19.67	19.49	19.46	20.00
		RB		Channel	Channel	Channel	Channel	Tune
Bandwidth	Modulation	size	RB offset	40215	40532	40848	41165	up
		1	0	21.51	21.30	21.24	21.26	23.00
		1	38	22.17	22.08	21.71	21.84	23.00
		1	74	22.03	22.09	21.85	21.82	23.00
	QPSK	36	0	21.12	21.17	20.92	20.86	22.00
	QIOIX	36	18	21.05	21.01	20.87	20.80	22.00
		36	39	21.09	20.68	20.89	20.77	22.00
		75	0	21.03	21.20	20.93	20.85	22.00
15MHz		1	0	20.38	20.62	20.93	20.03	22.00
		1	38	21.07	21.22	20.20	20.21	22.00
		1	74	20.96	20.80	20.77	20.77	22.00
	16QAM	36	0	20.90	20.14	19.87	19.95	21.00
	IOQAIVI	36	18	20.11	20.14	19.81	19.93	21.00
		36	39	19.99	19.95	19.81	19.93	21.00
		75	0	19.99	20.13	19.80	19.61	21.00
		70	U	13.30	20.13	13.00	13.32	21.00

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		1	0	20.53	20.12	20.07	20.07	21.00
		1	38	20.36	20.62	20.45	20.51	21.00
		1	74	20.60	20.05	20.53	20.88	21.00
	64QAM	36	0	19.87	19.90	19.53	19.71	20.00
		36	18	19.91	19.72	19.46	19.72	20.00
		36	39	19.98	19.36	19.49	19.74	20.00
		75	0	19.94	19.74	19.40	19.77	20.00
Danaduui alth	Madulation	RB	DD offeet	Channel	Channel	Channel	Channel	Tune
Bandwidth	Modulation	size	RB offset	40240	40540	40840	41140	up
		1	0	21.82	21.78	21.51	21.61	23.00
		1	50	22.14	21.90	21.84	21.86	23.00
		1	99	21.58	21.44	21.45	21.22	23.00
	QPSK	50	0	21.10	21.27	21.02	20.96	22.00
	50	25	21.05	21.16	20.87	20.94	22.00	
		50	50	21.10	20.82	20.98	20.90	22.00
		100	0	21.08	20.94	21.01	21.05	22.00
		1	0	20.71	20.92	20.67	20.54	22.00
		1	50	20.99	21.03	20.99	21.06	22.00
		1	99	20.37	20.29	20.47	20.42	22.00
20MHz	16QAM	50	0	20.31	20.06	19.94	19.92	21.00
		50	25	20.14	19.94	19.74	19.80	21.00
		50	50	20.10	19.90	19.88	19.69	21.00
		100	0	20.31	20.01	19.84	20.05	21.00
		1	0	20.70	20.37	20.00	20.26	21.00
		1	50	20.96	20.14	20.74	20.83	21.00
		1	99	19.90	19.78	19.95	20.06	21.00
	64QAM	50	0	19.74	19.94	19.59	19.92	20.00
		50	25	19.97	19.74	19.43	19.84	20.00
		50	50	19.94	19.72	19.57	19.98	20.00
		100	0	19.97	19.82	19.55	19.97	20.00

LTE Bai	nd 41 Hotspo	t on+sens	or off	Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Channel	Tungun	
bandwidth	Modulation	KD SIZE	offset	40165	40515	40865	41215	Tune up	
		1	0	19.28	19.13	18.93	18.98	20.50	
		1	13	19.29	19.13	18.86	18.97	20.50	
		1	24	19.17	19.15	18.83	18.92	20.50	
	QPSK	12	0	19.28	19.05	18.93	19.03	20.50	
		12	6	19.31	19.15	18.81	18.92	20.50	
5MHz		12	13	19.24	19.06	18.75	18.88	20.50	
SIVITIZ		25	0	19.24	19.11	18.77	18.88	20.50	
		1	0	19.45	19.11	18.79	19.14	20.50	
		1	13	19.46	19.10	18.73	19.14	20.50	
	16QAM	1	24	19.16	19.11	18.88	19.00	20.50	
		12	0	19.14	19.12	18.73	18.90	20.50	
		12	6	19.02	19.12	18.72	18.83	20.50	

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			12	13	19.21	19.02	18.73	18.82	20.50
			25	0	19.09	19.10	18.74	18.79	20.50
			1	0	19.25	19.44	18.74	19.37	20.50
			1	13	19.65	19.20	18.84	19.22	20.50
			1	24	19.29	19.08	18.82	19.07	20.50
		64QAM	12	0	19.32	19.35	18.93	19.25	20.00
			12	6	19.44	19.37	18.93	19.14	20.00
			12	13	19.42	19.35	18.84	19.11	20.00
			25	0	19.46	19.29	19.03	19.18	20.00
. (Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Channel	Tune up
	Balluwiutii	Modulation	ND SIZE	offset	40190	40523	40857	41190	Turie up
			1	0	18.56	18.66	18.77	18.85	20.50
			1	25	19.26	19.18	18.92	18.81	20.50
			1	49	18.89	18.95	18.64	18.81	20.50
		QPSK	25	0	19.15	19.19	18.87	19.00	20.50
			25	13	19.02	19.16	18.78	18.88	20.50
			25	25	19.08	19.07	18.74	18.91	20.50
			50	0	19.09	19.02	18.78	18.86	20.50
			1	0	19.01	18.54	18.68	18.95	20.50
			1	25	18.58	18.89	18.86	19.08	20.50
			1	49	18.58	18.77	18.74	18.60	20.50
	10MHz	16QAM	25	0	18.95	19.11	18.72	18.81	20.50
			25	13	18.85	18.95	18.58	18.74	20.50
			25	25	18.88	18.99	18.63	18.66	20.50
			50	0	19.03	19.01	18.68	18.83	20.50
			1	0	18.94	18.70	18.56	18.52	20.50
			1	25	19.34	18.91	19.30	19.67	20.50
			1	49	18.71	18.65	18.51	18.61	20.50
		64QAM	25	0	19.46	19.36	19.26	19.43	20.00
			25	13	19.27	19.33	19.27	19.45	20.00
			25	25	18.98	19.19	18.98	18.96	20.00
			50	0	19.44	19.25	19.22	19.47	20.00
	Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Channel	Tune up
				offset	40215	40532	40848	41165	·
			1	0	18.58	19.04	19.08	18.92	20.50
			1	38	19.20	19.09	18.97	18.94	20.50
			1	74	19.11	19.06	18.86	19.01	20.50
		QPSK	36	0	19.19	19.13	18.98	19.05	20.50
			36	18	19.08	19.05	18.90	18.88	20.50
			36	39	19.12	19.03	18.84	18.95	20.50
	15MHz		75	0	19.19	19.11	18.93	18.89	20.50
			1	0	18.55	18.98	18.87	19.01	20.50
			1	38	19.51	19.06	18.70	19.25	20.50
		16QAM	1	74	19.33	19.04	19.14	18.87	20.50
			36	0	19.13	19.10	18.87	18.99	20.50
			36	18	19.05	18.94	18.87	18.86	20.50
			36	39	18.96	18.89	18.77	18.79	20.50

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Ī			75	0	19.06	19.10	18.86	18.83	20.50
			1	0	18.73	19.04	18.62	18.53	20.50
			1	38	19.61	19.33	18.81	19.05	20.50
			1	74	19.17	19.20	18.85	19.44	20.50
		64QAM	36	0	19.41	19.39	19.35	19.45	20.00
			36	18	19.39	19.18	18.80	19.06	20.00
			36	39	19.40	19.28	18.88	19.14	20.00
			75	0	19.36	19.12	18.84	19.16	20.00
1	Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Channel	Tungun
	bandwidth	Modulation	KD SIZE	offset	40240	40540	40840	41140	Tune up
		\	1	0	18.85	18.65	18.54	18.68	20.50
			1	50	19.15	19.11	19.03	18.99	20.50
			1	99	18.77	18.94	18.98	18.89	20.50
		QPSK	50	0	19.19	19.16	19.29	18.99	20.50
			50	25	18.86	19.09	18.60	18.85	20.50
			50	50	19.22	19.09	18.71	18.89	20.50
			100	0	19.29	19.17	18.76	18.96	20.50
			1	0	18.93	19.15	18.85	18.74	20.50
			1	50	19.10	19.51	19.21	19.34	20.50
			1	99	19.02	18.63	18.78	18.57	20.50
	20MHz	16QAM	50	0	19.23	19.10	19.07	18.95	20.50
			50	25	18.80	18.96	18.65	18.80	20.50
			50	50	19.16	19.11	18.65	18.88	20.50
			100	0	19.19	19.12	18.71	18.90	20.50
			1	0	19.13	18.85	18.57	18.59	20.50
			1	50	19.15	19.18	18.85	19.10	20.50
			1	99	19.09	18.59	18.66	18.68	20.50
		64QAM	50	0	19.47	19.43	19.45	19.25	20.00
			50	25	19.44	19.28	18.91	19.09	20.00
			50	50	19.24	19.15	19.04	19.25	20.00
			100	0	19.42	19.25	19.04	19.21	20.00

Table 13: Conducted Power of LTE

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8.1.2 Conducted Power of Second Antenna

8.1.2.1 Conducted Power of GSM

8.1.2.1 Cond				TO B '		£4 1\				
			GSM 8	50 Recei	ver on(Le	it head)		A	Out to	
	Burst Outpu	t Power(d	Bm)		Tune up	Division Factors	Р	-Average ower(dBn	n) .	Tune up
Chanr		128	190	251		1 actors	128	190	251	
GSM(GMSK)	GSM	29.49	29.62	29.61	30.60	-9.19	20.30	20.43	20.42	21.41
	1 TX Slot	29.51	29.60	29.63	30.60	-9.19	20.32	20.41	20.44	21.41
GPRS/EGPRS	2 TX Slots	27.50	27.54	27.52	29.00	-6.18	21.32	21.36	21.34	22.82
(GMSK)	3 TX Slots	25.33	25.36	25.34	27.00	-4.42	20.91	20.94	20.92	22.58
	4 TX Slots	23.35	23.36	23.43	24.60	-3.17	20.18	20.19	20.26	21.43
	1 TX Slot	23.94	24.05	24.16	25.00	-9.19	14.75	14.86	14.97	15.81
EGPRS(8PSK)	2 TX Slots	21.88	22.02	22.05	23.00	-6.18	15.70	15.84	15.87	16.82
EGPK3(oP3K)	3 TX Slots	19.74	19.78	19.89	21.00	-4.42	15.32	15.36	15.47	16.58
	4 TX Slots	17.54	17.66	17.77	18.50	-3.17	14.37	14.49	14.60	15.33
			GSM 8	50 Receiv	er on(Rig	ht head)				
	Burst Outpu	t Power(d	Bm)		Tune up	Division	Frame-Average Output Power(dBm)		Tune up	
Chanr	nel	128	190	251		Factors	128	190	251	
GSM(GMSK)	GSM	29.54	29.59	29.66	30.60	-9.19	20.35	20.40	20.47	21.41
	1 TX Slot	29.58	29.64	29.69	30.60	-9.19	20.39	20.45	20.50	21.41
GPRS/EGPRS (GMSK)	2 TX Slots	27.44	27.53	27.51	29.00	-6.18	21.26	21.35	21.33	22.82
	3 TX Slots	25.28	25.43	25.41	27.00	-4.42	20.86	21.01	20.99	22.58
	4 TX Slots	23.38	23.51	23.37	24.60	-3.17	20.21	20.34	20.20	21.43
	1 TX Slot	23.94	24.10	24.13	25.00	-9.19	14.75	14.91	14.94	15.81
EGPRS(8PSK)	2 TX Slots	21.84	21.94	22.02	23.00	-6.18	15.66	15.76	15.84	16.82
EGPK3(oP3K)	3 TX Slots	19.73	19.84	19.97	21.00	-4.42	15.31	15.42	15.55	16.58
	4 TX Slots	17.51	17.72	17.81	18.50	-3.17	14.34	14.55	14.64	15.33
			GSM 85	0 Receiv	er off(Boo	y Scene)				
	Burst Outpu	t Power(d	Bm)		Tune up	Division		-Average ower(dBn		Tune up
Chanr	nel	128	190	251		Factors	128	190	251	
GSM(GMSK)	GSM	29.25	29.47	29.49	30.60	-9.19	20.06	20.28	20.30	21.41
	1 TX Slot	29.22	29.42	29.45	30.60	-9.19	20.03	20.23	20.26	21.41
GPRS/EGPRS	2 TX Slots	27.05	27.13	27.09	29.00	-6.18	20.87	20.95	20.91	22.82
(GMSK)	3 TX Slots	25.06	25.11	25.07	27.00	-4.42	20.64	20.69	20.65	22.58
1 100	4 TX Slots	22.77	22.88	22.79	24.60	-3.17	19.60	19.71	19.62	21.43
	1 TX Slot	23.48	23.76	23.71	25.00	-9.19	14.29	14.57	14.52	15.81
ECDDS/0DSIA	2 TX Slots	21.29	21.61	21.56	23.00	-6.18	15.11	15.43	15.38	16.82
EGPRS(8PSK)	3 TX Slots	19.05	19.29	19.26	21.00	-4.42	14.63	14.87	14.84	16.58
	4 TX Slots	16.32	16.39	16.63	18.50	-3.17	13.15	13.22	13.46	15.33

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		GSM 85	0 Receive	er on(Left	head) + \	NiFi on/H				
	Burst Outpu	t Power(d	Bm)			Division		-Average		_
	•		,	054	Tune up	Factors		ower(dBm		Tune up
Chanr	GSM	128 26.71	190 26.71	251 26.78	27.60	0.10	128	190 17.58	251	18.41
GSM(GMSK)	1 TX Slot	26.71	26.71	26.78	27.60 27.60	-9.19 -9.19	17.52 17.52	17.56	17.59 17.60	18.41
GPRS/EGPRS		24.98	24.89	24.86	26.00	-9.19 -6.18	18.80	18.71	18.68	19.82
(GMSK)	3 TX Slots	22.85	22.81	22.82	24.00	-4.42	18.43	18.39	18.40	19.52
(GIVIOIT)	4 TX Slots	19.99	20.17	20.21	21.60	-3.17	16.43	17.00	17.04	18.43
	1 TX Slots	21.08	21.24	21.33	22.00	-9.19	11.89	12.05	12.14	12.81
					-					
EGPRS(8PSK)	2 TX Slots 3 TX Slots	18.98	19.03	19.08	20.00	-6.18	12.80	12.85	12.90	13.82
	4 TX Slots	16.86	16.96	17.13	18.00	-4.42	12.44	12.54	12.71	13.58
		14.42	14.52	14.96	15.50	-3.17	11.25	11.35	11.79	12.33
		GSW 850	Receive	on(Rign	t head) +	WIFI ON/F			Output	1
	Burst Outpu	t Power(d	Bm)		Tune up	Division	Frame-Average Output Power(dBm)			Tune up
Chanr	nel	128	190	251	Tune up	Factors	128	190	251	Tune up
GSM(GMSK)	GSM	26.69	26.75	26.77	27.60	-9.19	17.50	17.56	17.58	18.41
	1 TX Slot	26.70	26.76	26.81	27.60	-9.19	17.51	17.57	17.62	18.41
GPRS/EGPRS		24.91	24.97	24.95	26.00	-6.18	18.73	18.79	18.77	19.82
(GMSK)	3 TX Slots	22.97	22.88	22.84	24.00	-4.42	18.55	18.46	18.42	19.58
	4 TX Slots	19.91	20.07	20.13	21.60	-3.17	16.74	16.90	16.96	18.43
	1 TX Slot	21.17	21.25	21.34	22.00	-9.19	11.98	12.06	12.15	12.81
EODDO(ODO)()	2 TX Slots	18.92	19.05	19.19	20.00	-6.18	12.74	12.87	13.01	13.82
EGPRS(8PSK)	3 TX Slots	16.80	16.95	17.04	18.00	-4.42	12.38	12.53	12.62	13.58
	4 TX Slots	14.31	14.42	14.55	15.50	-3.17	11.14	11.25	11.38	12.33
		GS	M 850 Re	ceiver of	f + WiFi c	n/Hotspo	t on			
	Burst Outpu	t Power(d	Rm)			Division		-Average		
	•	•	,	T	Tune up	Factors		ower(dBm		Tune up
Chanr		128	190	251			128	190	251	
GSM(GMSK)	GSM	26.25	26.41	26.39	27.60	-9.19	17.06	17.22	17.20	18.41
	1 TX Slot	26.27	26.40	26.31	27.60	-9.19	17.08	17.21	17.12	18.41
GPRS/EGPRS		24.11	24.26	24.21	26.00	-6.18	17.93	18.08	18.03	19.82
(GMSK)	3 TX Slots	22.05	22.18	22.05	24.00	-4.42	17.63	17.76	17.63	19.58
	4 TX Slots	19.77	19.88	19.99	21.60	-3.17	16.60	16.71	16.82	18.43
	1 TX Slot	20.66	20.88	20.94	22.00	-9.19	11.47	11.69	11.75	12.81
EGPRS(8PSK)	2 TX Slots	18.40	18.68	18.72	20.00	-6.18	12.22	12.50	12.54	13.82
LOI NO(OF ON)	3 TX Slots	16.26	16.41	16.36	18.00	-4.42	11.84	11.99	11.94	13.58
	4 TX Slots	13.72	13.89	13.86	15.50	-3.17	10.55	10.72	10.69	12.33

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			GSM 1	900 Rece	iver on(L	eft head)				
	Burst Outpu	t Power(d	Bm)		Tune up	Division Factors	P	-Average ower(dBm	າ) .	Tune up
Chanr		512	661	810		1 actors	512	661	810	
GSM(GMSK)	GSM	27.92	27.96	27.95	28.50	-9.19	18.73	18.77	18.76	19.31
	1 TX Slot	27.88	27.93	27.92	28.50	-9.19	18.69	18.74	18.73	19.31
GPRS/EGPRS		25.76	25.78	25.79	26.50	-6.18	19.58	19.60	19.61	20.32
(GMSK)	3 TX Slots	23.60	23.65	23.56	24.50	-4.42	19.18	19.23	19.14	20.08
	4 TX Slots	21.43	21.47	21.45	22.50	-3.17	18.26	18.30	18.28	19.33
	1 TX Slot	23.89	23.91	23.96	24.50	-9.19	14.70	14.72	14.77	15.31
EGPRS(8PSK)	2 TX Slots	21.58	21.65	21.64	22.50	-6.18	15.40	15.47	15.46	16.32
LOI 1(0(0) 3(t)	3 TX Slots	19.42	19.53	19.60	20.50	-4.42	15.00	15.11	15.18	16.08
	4 TX Slots	16.60	16.66	16.75	18.00	-3.17	13.43	13.49	13.58	14.83
			GSM 19	00 Recei	ver on(Ri	ght head)				
	Burst Outpu	t Power(d	Bm)		Tune up	Division Factors	Power(dbiii)		Tune up	
Chanr	nel	512	661	810		raciois	512	661	810	
GSM(GMSK)	GSM	26.94	26.98	26.95	27.50	-9.19	17.75	17.79	17.76	18.31
	1 TX Slot	26.89	26.96	26.92	27.50	-9.19	17.70	17.77	17.73	18.31
GPRS/EGPRS	2 TX Slots	24.69	24.77	24.79	25.50	-6.18	18.51	18.59	18.61	19.32
(GMSK)	3 TX Slots	22.61	22.64	22.59	23.50	-4.42	18.19	18.22	18.17	19.08
	4 TX Slots	20.46	20.47	20.41	21.50	-3.17	17.29	17.30	17.24	18.33
	1 TX Slot	22.76	22.78	22.87	23.50	-9.19	13.57	13.59	13.68	14.31
EGPRS(8PSK)	2 TX Slots	20.67	20.81	20.89	21.50	-6.18	14.49	14.63	14.71	15.32
EGFK3(0F3K)	3 TX Slots	18.49	18.50	18.66	19.50	-4.42	14.07	14.08	14.24	15.08
	4 TX Slots	15.72	15.78	15.88	17.00	-3.17	12.55	12.61	12.71	13.83
			GSM 19 0	00 Receiv	er off(Bo	dy Scene	,			
	Burst Outpu	t Power(d	Bm)		Tune up	Division		-Average ower(dBm		Tune up
Chanr	nel	512	661	810	,	Factors	512	661	810	
GSM(GMSK)	GSM	26.27	26.34	26.71	27.50	-9.19	17.08	17.15	17.52	18.31
	1 TX Slot	26.28	26.33	26.70	27.50	-9.19	17.09	17.14	17.51	18.31
GPRS/EGPRS		24.04	24.08	24.47	25.50	-6.18	17.86	17.90	18.29	19.32
(GMSK)	3 TX Slots	21.98	22.03	22.41	23.50	-4.42	17.56	17.61	17.99	19.08
	4 TX Slots	19.54	19.53	19.94	21.50	-3.17	16.37	16.36	16.77	18.33
	1 TX Slot	21.77	21.88	22.28	23.50	-9.19	12.58	12.69	13.09	14.31
EGPRS(8PSK)	2 TX Slots	19.66	19.71	20.12	21.50	-6.18	13.48	13.53	13.94	15.32
LGFN3(0F3K)	3 TX Slots	17.36	17.51	17.90	19.50	-4.42	12.94	13.09	13.48	15.08
	4 TX Slots	14.84	14.87	15.27	17.00	-3.17	11.67	11.70	12.10	13.83

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		GSM 190	0 Receive	er on(Lef	t head) +	WiFi on/F				
I	Burst Outpu	t Power(d	Bm)		Tune up	Division		-Average ower(dBn	•	Tune up
Chann	nel	512	661	810		Factors	512	661	810	
GSM(GMSK)	GSM	24.92	24.97	24.97	25.50	-9.19	15.73	15.73	15.78	16.31
0000/	1 TX Slot	24.96	24.97	24.98	25.50	-9.19	15.77	15.78	15.79	16.31
GPRS/ EGPRS	2 TX Slots	22.83	22.87	22.83	23.50	-6.18	16.65	16.69	16.65	17.32
(GMSK)	3 TX Slots	20.82	20.91	20.83	21.50	-4.42	16.40	16.49	16.41	17.08
(Giviort)	4 TX Slots	18.45	18.46	18.38	19.50	-3.17	15.28	15.29	15.21	16.33
	1 TX Slot	20.85	20.91	20.93	21.50	-9.19	11.66	11.72	11.74	12.31
EGPRS	2 TX Slots	18.42	18.55	18.65	19.50	-6.18	12.24	12.37	12.47	13.32
(8PSK)	3 TX Slots	16.22	16.34	16.45	17.50	-4.42	11.80	11.92	12.03	13.08
	4 TX Slots	13.48	13.63	13.62	15.00	-3.17	10.31	10.46	10.45	11.83
		GSM 190	0 Receive	er on(Lef	t head) +	WiFi on/H				
ı	Burst Outpu	t Power(d	Bm)		Tune up	Division				Tune up
Chann	nel	512	661	810	•	Factors	512	661	810	
GSM(GMSK)	GSM	23.92	23.95	23.94	24.50	-9.19	14.73	14.76	14.75	15.31
22201	1 TX Slot	23.95	23.96	23.96	24.50	-9.19	14.76	14.77	14.77	15.31
GPRS/	2 TX Slots	21.87	21.92	21.87	22.50	-6.18	15.69	15.74	15.69	16.32
EGPRS (GMSK)	3 TX Slots	19.95	19.92	19.98	20.50	-4.42	15.53	15.50	15.56	16.08
(GIVIGIT)	4 TX Slots	17.88	18.03	18.14	18.50	-3.17	14.71	14.86	14.97	15.33
	1 TX Slot	19.87	19.85	19.98	20.50	-9.19	10.68	10.66	10.79	11.31
EGPRS	2 TX Slots	17.48	17.59	17.62	18.50	-6.18	11.30	11.41	11.44	12.32
(8PSK)	3 TX Slots	15.52	15.42	15.44	16.50	-4.42	11.10	11.00	11.02	12.08
	4 TX Slots	13.75	13.78	13.77	14.00	-3.17	10.58	10.61	10.60	10.83
		GS	M 1900 R	eceiver o	ff + WiFi	on/Hotsp	ot on			
ı	Burst Outpu	t Power(d	Bm)		Tune up	Division		-Average ower(dBn		Tune up
Chann	nel	512	661	810		Factors	512	661	810	
GSM(GMSK)	GSM	23.19	23.24	23.63	24.50	-9.19	14.00	14.05	14.44	15.31
	1 TX Slot	23.23	23.26	23.66	24.50	-9.19	14.04	14.07	14.47	15.31
GPRS/EGPRS	2 TX Slots	21.13	21.27	21.12	22.50	-6.18	14.95	15.09	15.40	16.32
(GMSK)	3 TX Slots	19.16	19.17	19.58	20.50	-4.42	14.74	14.75	15.16	16.08
	4 TX Slots	17.29	17.55	18.02	18.50	-3.17	14.12	14.38	14.85	15.33
	1 TX Slot	18.86	18.93	19.34	20.50	-9.19	9.67	9.74	10.15	11.31
	2 TX Slots	16.66	16.74	17.17	18.50	-6.18	10.48	10.56	10.99	12.32
EGFK3(oF3K)	3 TX Slots	14.56	14.64	15.05	16.50	-4.42	10.14	10.22	10.63	12.08
	4 TX Slots	13.28	13.44	13.94	14.00	-3.17	10.11	10.27	10.77	10.83

Table 14: Conducted Power of GSM

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Note:

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

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

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

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

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8.1.2.2 Conducted Power of WCDMA

		Band II Receive			
	Aver	age Conducted F	Power(dBm)		
Chan	nel	9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	17.78	17.86	17.77	19.00
WCDIVIA	12.2kbps AMR	17.71	17.82	17.69	19.00
	Subtest 1	17.65	17.58	17.59	18.50
HSDPA	Subtest 2	17.11	17.06	17.08	18.00
порга	Subtest 3	16.08	16.11	16.03	17.00
	Subtest 4	16.03	16.05	16.12	17.00
	Subtest 1	16.65	16.59	16.66	17.50
	Subtest 2	14.21	14.18	14.09	15.00
HSUPA	Subtest 3	14.76	14.62	14.55	15.50
	Subtest 4	13.68	13.55	13.04	14.50
	Subtest 5	16.64	16.62	16.59	17.50
	Subtest 1	17.59	17.52	17.53	18.50
DC HSDD4	Subtest 2	17.06	17.00	17.04	18.00
DC-HSDPA	Subtest 3	16.05	16.13	16.02	17.00
	Subtest 4	16.06	16.02	16.09	17.00
	WCDMA	Band II Receive	on(Right head)		
	Aver	age Conducted F	Power(dBm)		
Chan	nel	9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	17.36	17.41	17.28	18.00
	12.2kbps AMR	17.29	17.33	17.22	18.00
	Subtest 1	16.87	16.95	16.82	17.50
LIODDA	Subtest 2	16.43	16.49	16.30	17.00
HSDPA	Subtest 3	15.42	15.48	15.33	16.00
	Subtest 4	15.40	15.43	15.36	16.00
	Subtest 1	15.89	15.98	15.83	16.50
	Subtest 2	13.39	13.50	13.30	14.00
HSUPA	Subtest 3	13.92	13.98	13.83	14.50
	Subtest 4	12.92	12.99	12.78	13.50
	Subtest 5	15.92	15.99	15.79	16.50
	Subtest 1	16.88	16.92	16.78	17.50
DO 110554	Subtest 2	16.45	16.42	16.31	17.00
DC-HSDPA	Subtest 3	15.37	15.51	15.30	16.00
	Subtest 4	15.39	15.43	15.34	16.00
			off (Body Scene)		
		age Conducted F			
Chan		9262	9400	9538	Tune up
\\(CD\\\^	12.2kbps RMC	22.67	22.73	22.54	23.50
WCDMA	12.2kbps AMR	22.58	22.68	22.47	23.50
	Subtest 1	22.22	22.28	22.06	23.00
110000	Subtest 2	21.77	21.83	21.62	22.50
HSDPA	Subtest 3	20.74	20.75	20.61	21.50
	Subtest 4	20.75	20.74	20.59	21.50
					1

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	Subtest 2	18.70	18.77	18.58	19.50
	Subtest 3	19.20	19.29	19.12	20.00
	Subtest 4	18.21	18.27	18.08	19.00
	Subtest 5	21.25	21.24	21.09	22.00
	Subtest 1	22.26	22.27	22.10	23.00
DO 110DDA	Subtest 2	21.75	21.77	21.63	22.50
DC-HSDPA	Subtest 3	20.70	20.76	20.60	21.50
	Subtest 4	20.73	20.77	20.58	21.50
	WCDMA Band II Re	eceiver on(Left h	ead) +WiFi on/Ho	tspot on	
		age Conducted F	'	•	
Channel		9262	9400	9538	Tune up
MODMA	12.2kbps RMC	14.26	14.32	14.42	15.50
WCDMA	12.2kbps AMR	14.21	14.33	14.39	15.50
	Subtest 1	14.11	14.07	14.03	15.00
ПСББ	Subtest 2	13.66	13.59	13.62	14.50
HSDPA	Subtest 3	12.71	12.66	12.58	13.50
	Subtest 4	12.73	12.59	12.64	13.50
	Subtest 1	13.11	13.20	13.09	14.00
	Subtest 2	10.82	10.77	10.69	11.50
HSUPA	Subtest 3	11.41	11.33	11.31	12.00
	Subtest 4	10.39	10.81	10.22	11.00
	Subtest 5	13.18	13.22	13.18	14.00
	Subtest 1	14.08	14.11	14.02	15.00
DO HODDA	Subtest 2	13.65	13.61	13.59	14.50
DC-HSDPA	Subtest 3	12.65	12.62	12.53	13.50
	Subtest 4	12.70	12.54	12.60	13.50
	WCDMA Band II Re	ceiver on(Right h	nead) +WiFi on/Ho	otspot on	
	Avera	age Conducted F	Power(dBm)		
Channel		9262	9400	9538	Tune up
MODIMA	12.2kbps RMC	13.80	13.81	13.73	14.50
WCDMA	12.2kbps AMR	13.71	13.73	13.64	14.50
	Subtest 1	13.35	13.35	13.26	14.00
LICDDA	Subtest 2	12.83	12.84	12.78	13.50
HSDPA	Subtest 3	11.84	11.86	11.75	12.50
	Subtest 4	11.88	11.90	11.81	12.50
7 64	Subtest 1	12.33	12.38	12.33	13.00
	Subtest 2	9.90	9.85	9.74	10.50
HSUPA	Subtest 3	10.33	10.38	10.33	11.00
	Subtest 4	9.40	9.37	9.30	10.00
	Subtest 5	12.39	12.34	12.29	13.00
	Subtest 1	13.34	13.32	13.28	14.00
DC HCDDA	Subtest 2	12.90	12.88	12.80	13.50
DC-HSDPA	Subtest 3	11.84	11.88	11.74	12.50
			+		

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			\	otspot on	
O	Avera	age Conducted F	· · · · · · · · · · · · · · · · · · ·		
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	19.22	19.23	19.14	20.00
	12.2kbps AMR	19.13	19.14	19.04	20.00
	Subtest 1	18.79	18.79	18.72	19.50
HSDPA	Subtest 2	18.30	18.33	18.23	19.00
1105171	Subtest 3	17.28	17.26	17.19	18.00
	Subtest 4	17.30	17.31	17.20	18.00
	Subtest 1	17.78	17.79	17.73	18.50
	Subtest 2	15.30	15.27	15.21	16.00
HSUPA	Subtest 3	15.74	15.79	15.72	16.50
	Subtest 4	14.77	14.81	14.69	15.50
	Subtest 5	17.74	17.78	17.70	18.50
	Subtest 1	18.76	18.83	18.69	19.50
DC-HSDPA	Subtest 2	18.32	18.32	18.20	19.00
DC-HSDPA	Subtest 3	17.32	17.29	17.19	18.00
	Subtest 4	17.22	17.31	17.21	18.00
	WCDMA	Band IV Receive	er on(Left head)		
	Avera	age Conducted F	Power(dBm)		
Channel		1312	1412	1513	Tune up
MODIMA	12.2kbps RMC	19.98	20.02	20.01	20.50
WCDMA	12.2kbps AMR	19.92	19.94	19.92	20.50
	Subtest 1	19.52	19.52	19.56	20.00
LIODDA	Subtest 2	19.04	19.10	19.07	19.50
HSDPA	Subtest 3	18.57	18.53	18.54	19.00
	Subtest 4	18.52	18.56	18.53	19.00
	Subtest 1	18.00	18.07	18.05	18.50
	Subtest 2	16.06	16.04	16.10	16.50
HSUPA	Subtest 3	16.54	16.57	16.56	17.00
	Subtest 4	15.50	15.55	15.54	16.00
	Subtest 5	18.06	18.08	18.10	18.50
	Subtest 1	19.53	19.58	19.52	20.00
	Subtest 2	18.99	19.09	19.07	19.50
DC-HSDPA	Subtest 3	18.51	18.59	18.59	19.00
	Subtest 4	18.53	18.53	18.61	19.00
			r on(Right head)	. 3.0 .	, 5.55
		age Conducted F	· · · · · · · · · · · · · · · · · · ·		
Channel	7.4010	1312	1412	1513	Tune up
	12.2kbps RMC	18.50	18.52	18.51	19.00
WCDMA	12.2kbps AMR	18.41	18.44	18.44	19.00
	Subtest 1	18.08	18.05	18.05	18.50
	Subtest 2	17.56	17.59	17.57	18.00
HSDPA		17.05	17.04	17.05	17.50
HODEA	SIINTEST 4				17:317
HODEA	Subtest 3 Subtest 4	17.03	17.04	17.03	17.50

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	Subtest 2	14.51	14.53	14.52	15.00
	Subtest 3	15.06	15.06	15.06	15.50
	Subtest 4	14.04	14.04	14.04	14.50
	Subtest 5	16.56	16.55	16.56	17.00
	Subtest 1	18.07	18.02	18.09	18.50
	Subtest 2	17.59	17.54	17.56	18.00
DC-HSDPA	Subtest 3	17.07	17.10	17.04	17.50
	Subtest 4	17.02	17.03	17.02	17.50
		and IV Receiver		17.02	17.50
		age Conducted P			
Channel	7,1010	1312	1412	1513	Tune up
	12.2kbps RMC	22.26	22.33	22.37	23.00
WCDMA	12.2kbps AMR	22.17	22.27	22.32	23.00
	Subtest 1	21.77	21.83	21.94	22.50
	Subtest 2	21.27	21.36	21.46	22.00
HSDPA	Subtest 3	20.78	20.87	20.90	21.50
	Subtest 4	20.86	20.86	20.90	21.50
	Subtest 1	20.30	20.38	20.47	21.00
	Subtest 2	18.35	18.37	18.46	19.00
HSUPA	Subtest 3	18.79	18.92	18.90	19.50
11001 A	Subtest 4	17.84	17.85	17.94	18.50
	Subtest 5	20.34	20.38	20.39	21.00
79	Subtest 1	21.78	21.84	21.94	22.50
	Subtest 2	21.28	21.38	21.38	22.00
DC-HSDPA	Subtest 3	20.79	20.85	20.90	21.50
	Subtest 4	20.78	20.93	20.91	21.50
	WCDMA Band IV R				21.50
		age Conducted P	,	<u> </u>	
Channel	7,1010	1312	1412	1513	Tune up
	12.2kbps RMC	17.13	17.15	17.04	17.50
WCDMA	12.2kbps AMR	17.07	17.09	16.98	17.50
	Subtest 1	16.73	16.70	16.56	17.00
	Subtest 2	16.20	16.24	16.10	16.50
HSDPA	Subtest 3	15.65	15.75	15.56	16.00
	Subtest 4	15.67	15.68	15.55	16.00
	Subtest 1	15.16	15.17	15.07	15.50
	Subtest 2	13.14	13.20	13.12	13.50
HSUPA	Subtest 3	13.70	13.68	13.58	14.00
1.00171	Subtest 4	12.70	12.69	12.63	13.00
	Subtest 5	15.22	15.23	15.08	15.50
	Subtest 1	16.68	16.73	16.63	17.00
	Subtest 2	16.18	16.18	16.08	16.50
DC-HSDPA	Subtest 3	15.70	15.66	15.62	16.00
	Subtest 4	15.67	15.67	15.58	10.00

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			nead) +WiFi on/Ho		
	Avera	age Conducted P	· '		
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	15.58	15.54	15.53	16.00
	12.2kbps AMR	15.51	15.47	15.48	16.00
	Subtest 1	15.13	15.08	15.03	15.50
HSDPA	Subtest 2	14.59	14.57	14.59	15.00
1102171	Subtest 3	14.14	14.10	14.07	14.50
	Subtest 4	14.09	14.13	14.05	14.50
	Subtest 1	13.58	13.63	13.55	14.00
	Subtest 2	11.64	11.63	11.54	12.00
HSUPA	Subtest 3	12.10	12.05	12.10	12.50
	Subtest 4	11.16	11.05	11.07	11.50
	Subtest 5	13.64	13.57	13.61	14.00
	Subtest 1	15.16	15.13	15.12	15.50
DC-HSDPA	Subtest 2	14.68	14.58	14.55	15.00
DC-HODPA	Subtest 3	14.11	14.06	14.09	14.50
	Subtest 4	14.16	14.11	14.05	14.50
	WCDMA Band IV Red	ceiver off (Body S	Scene) +WiFi on/H	otspot on	
	Avera	age Conducted P	ower(dBm)		
Channel		1312	1412	1513	Tune up
MCDMA	12.2kbps RMC	19.26	19.41	19.38	20.00
WCDMA	12.2kbps AMR	19.18	19.32	19.30	20.00
	Subtest 1	18.83	18.97	18.93	19.50
LICDDA	Subtest 2	18.33	18.43	18.45	19.00
HSDPA	Subtest 3	17.83	17.96	17.91	18.50
	Subtest 4	17.83	17.94	17.97	18.50
	Subtest 1	17.29	17.42	17.38	18.00
	Subtest 2	15.32	15.41	15.41	16.00
HSUPA	Subtest 3	15.84	15.99	15.98	16.50
	Subtest 4	14.82	14.99	14.97	15.50
	Subtest 5	17.27	17.47	17.46	18.00
	Subtest 1	18.79	19.00	18.93	19.50
DO 110554	Subtest 2	18.32	18.51	18.44	19.00
DC-HSDPA	Subtest 3	17.82	17.96	17.93	18.50
	Subtest 4	17.79	17.93	17.98	18.50
		Band V Receive			
		age Conducted P	` '		
Chan		4132	4182	4233	Tune up
	12.2kbps RMC	19.40	19.29	19.30	20.50
WCDMA	12.2kbps AMR	19.33	19.21	19.23	20.50
	Subtest 1	19.30	19.14	19.18	20.50
	Subtest 2	18.99	18.86	18.85	20.00
HSDPA	Subtest 3	18.46	18.36	18.34	19.50
	Cubicat			+	†
	Subtest 4	18.49	18.38	18.36	19.50

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	Outstant O	40.50	40.00	40.00	17.50
	Subtest 2	16.50	16.32	16.38	17.50
	Subtest 3	17.44	17.31	17.37	18.50
	Subtest 4	16.46	16.32	16.39	17.50
	Subtest 5	17.96	17.85	17.83	19.00
	Subtest 1	19.28	19.19	19.23	20.50
DC-HSDPA	Subtest 2	18.97	18.88	18.89	20.00
	Subtest 3	18.47	18.33	18.39	19.50
	Subtest 4	18.45	18.34	18.36	19.50
		Band V Receiver			
01		age Conducted P	` '	1000	T +
Char		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	19.40	19.29	19.30	20.50
	12.2kbps AMR	19.35	19.20	19.20	20.50
	Subtest 1	19.30	19.15	19.18	20.50
HSDPA	Subtest 2	18.99	18.79	18.81	20.00
	Subtest 3	18.45	18.30	18.37	19.50
	Subtest 4	18.41	18.31	18.35	19.50
	Subtest 1	18.97	18.79	18.90	20.00
	Subtest 2	16.46	16.36	16.30	17.50
HSUPA	Subtest 3	17.46	17.38	17.37	18.50
	Subtest 4	16.43	16.30	16.37	17.50
	Subtest 5	17.91	17.83	17.89	19.00
	Subtest 1	19.28	19.20	19.22	20.50
DC LICDDA	Subtest 2	18.91	18.82	18.83	20.00
DC-HSDPA	Subtest 3	18.49	18.30	18.32	19.50
	Subtest 4	18.45	18.32	18.31	19.50
	WCDMA E	Band V ReceVer	off (Body Scene)		
	Avera	age Conducted P	ower(dBm)		
Char	nnel	4132	4182	4233	Tune up
MCDMA	12.2kbps RMC	23.35	23.28	23.32	24.50
WCDMA	12.2kbps AMR	23.26	23.20	23.23	24.50
	Subtest 1	23.27	23.17	23.17	24.50
LIODDA	Subtest 2	22.94	22.83	22.91	24.00
HSDPA	Subtest 3	22.41	22.38	22.39	23.50
	Subtest 4	22.42	22.33	22.39	23.50
	Subtest 1	22.90	22.81	22.83	24.00
	Subtest 2	20.37	20.37	20.42	21.50
HSUPA	Subtest 3	21.41	21.32	21.37	22.50
	Subtest 4	20.38	20.36	20.39	21.50
	Subtest 5	21.90	21.79	21.90	23.00
	Subtest 1	23.21	23.19	23.18	24.50
	Subtest 2	22.92	22.80	22.92	24.00
DC-HSDPA	Subtest 3	22.41	22.28	22.40	23.50

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Chan	nel	age Conducted P	ower(dBm)		
		4400			
WCDMA		4132	4182	4233	Tune up
WODWA	12.2kbps RMC	16.30	16.18	16.19	17.50
	12.2kbps AMR	16.23	16.09	16.12	17.50
	Subtest 1	16.16	16.12	16.11	17.50
HSDPA	Subtest 2	15.88	15.72	15.75	17.00
TIODEA	Subtest 3	15.37	15.20	15.28	16.50
	Subtest 4	15.36	15.20	15.19	16.50
	Subtest 1	15.86	15.75	15.69	17.00
	Subtest 2	13.35	13.18	13.21	14.50
HSUPA	Subtest 3	14.39	14.22	14.26	15.50
	Subtest 4	13.32	13.22	13.21	14.50
	Subtest 5	14.84	14.73	14.69	16.00
	Subtest 1	16.21	16.10	16.11	17.50
DO HODDA	Subtest 2	15.85	15.71	15.76	17.00
DC-HSDPA	Subtest 3	15.37	15.24	15.24	16.50
	Subtest 4	15.35	15.21	15.21	16.50
	WCDMA Band V Re				
		age Conducted P	· · · · · · · · · · · · · · · · · · ·	•	
Chan		4132	4182	4233	Tune up
	12.2kbps RMC	16.31	16.17	16.23	17.50
WCDMA	12.2kbps AMR	16.22	16.12	16.16	17.50
	Subtest 1	16.18	16.06	16.17	17.50
	Subtest 2	15.89	15.68	15.80	17.00
HSDPA	Subtest 3	15.33	15.22	15.27	16.50
	Subtest 4	15.34	15.17	15.33	16.50
	Subtest 1	15.88	15.75	15.74	17.00
	Subtest 2	13.36	13.18	13.23	14.50
HSUPA	Subtest 3	14.37	14.21	14.24	15.50
	Subtest 4	13.33	13.19	13.31	14.50
	Subtest 5	14.84	14.68	14.74	16.00
	Subtest 1	16.25	16.07	16.09	17.50
	Subtest 2	15.86	15.72	15.73	17.00
DC-HSDPA	Subtest 3	15.38	15.19	15.24	16.50
	Subtest 4	15.34	15.24	15.27	16.50
	WCDMA Band V Rec				10.00
		age Conducted P		otopot on	
Chan		4132	4182	4233	Tune up
	12.2kbps RMC	20.34	20.26	20.27	21.50
WCDMA	12.2kbps AMR	20.25	20.17	20.20	21.50
	Subtest 1	20.23	20.17	20.20	21.50
	Subtest 2	19.91	19.81	19.85	21.00
HSDPA			19.81	19.85	
	Subtest 4	19.41			20.50
	Subtest 4	19.37	19.36	19.28	20.50

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	Subtest 2	17.37	17.33	17.35	18.50
	Subtest 3	18.41	18.27	18.30	19.50
	Subtest 4	17.39	17.35	17.34	18.50
	Subtest 5	18.91	18.84	18.85	20.00
	Subtest 1	20.28	20.12	20.13	21.50
DC-HSDPA	Subtest 2	19.91	19.81	19.84	21.00
DO-113DPA	Subtest 3	19.37	19.29	19.35	20.50
	Subtest 4	19.43	19.33	19.34	20.50

Table 15: Conducted Power of WCDMA

Note:

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

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8.1.2.3 Conducted Power of LTE

LTE B	and 2 Receive	r on(Left hea	ad)	Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun	
Danuwium	iviodulation	KD SIZE	KD Ollset	18607	18900	19193	Tune up	
		1	0	18.95	18.96	18.82	19.50	
		1	2	18.51	17.90	17.65	19.50	
		1	5	19.08	19.05	18.88	19.50	
	QPSK	3	0	19.04	18.93	18.85	19.50	
		3	2	18.98	18.88	18.45	19.50	
		3	3	18.90	19.01	19.15	19.50	
		6	0	18.89	19.13	18.91	19.50	
		1	0	19.34	19.35	18.97	19.50	
		1	2	19.22	18.82	19.17	19.50	
		1	5	19.01	18.95	19.36	19.50	
1.4MHz	16QAM	3	0	19.03	18.82	18.91	19.50	
		3	2	18.83	18.78	18.82	19.50	
		3	3	18.74	19.13	19.03	19.50	
		6	0	19.02	18.87	18.76	19.50	
		1	0	19.36	19.34	18.89	19.50	
		1	2	19.17	18.76	19.09	19.50	
		1	5	18.96	18.85	19.27	19.50	
	64QAM	3	0	18.94	18.72	18.84	19.50	
		3	2	18.74	18.70	18.73	19.50	
		3	3	18.69	19.04	18.96	19.50	
		6	0	18.92	18.77	18.66	19.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
Dandwidth	Modulation	ND SIZE	ND onset	18615	18900	19185	Turie up	
		1	0	19.11	18.96	18.89	19.50	
		1	7	18.13	18.47	17.93	19.50	
		1	14	19.13	19.11	19.16	19.50	
	QPSK	8	0	19.00	18.70	18.96	19.50	
		8	4	18.78	19.02	18.74	19.50	
		8	7	19.16	19.06	18.82	19.50	
		15	0	19.12	19.00	19.01	19.50	
		1	0	19.30	19.21	19.35	19.50	
		1	7	18.65	18.55	18.87	19.50	
3MHz		1	14	19.36	19.07	19.17	19.50	
JIVII IZ	16QAM	8	0	18.99	18.91	19.03	19.50	
		8	4	18.88	19.02	18.76	19.50	
		8	7	18.78	18.98	18.96	19.50	
		15	0	18.95	18.97	18.66	19.50	
		1	0	19.21	19.16	19.35	19.50	
		1	7	18.57	18.48	18.77	19.50	
	64QAM	1	14	19.35	19.01	19.11	19.50	
	04QAIVI	8	0	18.91	18.82	18.97	19.50	
		8	4	18.81	18.92	18.68	19.50	
		8	7	18.68	18.89	18.89	19.50	

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		15	0	18.87	18.90	18.58	19.50
			55 " .	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	18625	18900	19175	Tune up
		1	0	18.98	19.04	18.92	19.50
		1	13	19.06	19.00	18.86	19.50
		1	24	18.99	19.11	19.00	19.50
	QPSK	12	0	19.06	19.08	18.95	19.50
		12	6	19.01	19.15	18.91	19.50
		12	13	19.04	19.12	19.02	19.50
		25	0	18.97	19.01	18.95	19.50
		1	0	19.05	19.33	19.05	19.50
		1	13	19.35	19.06	19.19	19.50
	5MHz 16QAM	1	24	19.21	19.29	19.15	19.50
5MHz		12	0	19.00	19.08	18.92	19.50
		12	6	19.10	19.05	18.62	19.50
		12	13	19.02	18.99	18.92	19.50
		25	0	18.93	19.00	18.91	19.50
		1	0	18.99	19.33	18.97	19.50
		1	13	19.31	18.98	19.11	19.50
		1	24	19.11	19.23	19.10	19.50
	64QAM	12	0	18.94	19.01	18.83	19.50
		12	6	19.03	18.99	18.57	19.50
		12	13	18.96	18.94	18.87	19.50
		25	0	18.87	18.90	18.84	19.50
5 1 141	NA 1 1 1	55 :	DD " '	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	18650	18900	19150	Tune up
		1	0	19.18	18.98	19.09	19.50
		1	25	18.81	18.49	18.45	19.50
		1	49	18.96	19.12	18.99	19.50
	QPSK	25	0	19.07	19.08	19.06	19.50
		25	13	40.04	40.00	19.06	
		20	13	19.01	18.99	19.00	19.50
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	25	25	19.01	18.99	19.00	19.50 19.50
		25	25	18.97	18.97	19.00	19.50
		25 50	25 0	18.97 19.07	18.97 19.05	19.00 18.94	19.50 19.50
		25 50 1	25 0 0	18.97 19.07 19.27	18.97 19.05 19.36	19.00 18.94 19.36	19.50 19.50 19.50
10MHz	16QAM	25 50 1 1	25 0 0 25	18.97 19.07 19.27 18.84	18.97 19.05 19.36 19.29	19.00 18.94 19.36 19.37	19.50 19.50 19.50 19.50
10MHz	16QAM	25 50 1 1 1	25 0 0 25 49	18.97 19.07 19.27 18.84 19.34	18.97 19.05 19.36 19.29 19.35	19.00 18.94 19.36 19.37 18.84	19.50 19.50 19.50 19.50 19.50
10MHz	16QAM	25 50 1 1 1 25	25 0 0 25 49 0	18.97 19.07 19.27 18.84 19.34 19.02	18.97 19.05 19.36 19.29 19.35 19.03	19.00 18.94 19.36 19.37 18.84 18.94	19.50 19.50 19.50 19.50 19.50
10MHz	16QAM	25 50 1 1 1 25 25	25 0 0 25 49 0 13	18.97 19.07 19.27 18.84 19.34 19.02 18.95	18.97 19.05 19.36 19.29 19.35 19.03 18.98	19.00 18.94 19.36 19.37 18.84 18.94 18.99	19.50 19.50 19.50 19.50 19.50 19.50
10MHz	16QAM	25 50 1 1 1 25 25 25	25 0 0 25 49 0 13 25	18.97 19.07 19.27 18.84 19.34 19.02 18.95 19.01	18.97 19.05 19.36 19.29 19.35 19.03 18.98 19.01	19.00 18.94 19.36 19.37 18.84 18.94 18.99	19.50 19.50 19.50 19.50 19.50 19.50 19.50
10MHz	16QAM	25 50 1 1 1 25 25 25 25	25 0 0 25 49 0 13 25 0	18.97 19.07 19.27 18.84 19.34 19.02 18.95 19.01 18.98	18.97 19.05 19.36 19.29 19.35 19.03 18.98 19.01 18.98	19.00 18.94 19.36 19.37 18.84 18.94 18.99 18.90 19.00	19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50
10MHz	16QAM	25 50 1 1 1 25 25 25 50 1	25 0 0 25 49 0 13 25 0	18.97 19.07 19.27 18.84 19.34 19.02 18.95 19.01 18.98 19.19	18.97 19.05 19.36 19.29 19.35 19.03 18.98 19.01 18.98 19.29	19.00 18.94 19.36 19.37 18.84 18.94 18.99 18.90 19.00	19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50
10MHz	16QAM 64QAM	25 50 1 1 1 25 25 25 50 1 1	25 0 0 25 49 0 13 25 0 0 25	18.97 19.07 19.27 18.84 19.34 19.02 18.95 19.01 18.98 19.19 18.78	18.97 19.05 19.36 19.29 19.35 19.03 18.98 19.01 18.98 19.29	19.00 18.94 19.36 19.37 18.84 18.94 18.99 18.90 19.00 19.37 19.35	19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50
10MHz		25 50 1 1 1 25 25 25 50 1 1	25 0 0 25 49 0 13 25 0 0 25 49	18.97 19.07 19.27 18.84 19.34 19.02 18.95 19.01 18.98 19.19 18.78 19.27	18.97 19.05 19.36 19.29 19.35 19.03 18.98 19.01 18.98 19.29 19.23 19.28	19.00 18.94 19.36 19.37 18.84 18.94 18.99 18.90 19.00 19.37 19.35 18.76	19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50
10MHz		25 50 1 1 1 25 25 25 50 1 1 1 25	25 0 0 25 49 0 13 25 0 0 25 49 0	18.97 19.07 19.27 18.84 19.34 19.02 18.95 19.01 18.98 19.19 18.78 19.27 18.96	18.97 19.05 19.36 19.29 19.35 19.03 18.98 19.01 18.98 19.29 19.23 19.28 18.97	19.00 18.94 19.36 19.37 18.84 18.94 18.99 18.90 19.00 19.37 19.35 18.76 18.88	19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50 19.50

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Bandwidth	Modulation	DD oizo	RB offset	Channel	Channel	Channel	Tungun
Danawiath	Modulation	RB size	KD Ollset	18675	18900	19125	Tune up
		1	0	18.92	19.10	18.99	19.50
		1	38	18.97	19.01	18.97	19.50
		1	74	18.87	18.81	18.98	19.50
	QPSK	36	0	19.09	19.07	19.07	19.50
		36	18	18.96	19.08	18.97	19.50
		36	39	18.99	18.97	18.91	19.50
		75	0	19.05	19.07	18.97	19.50
		1	0	18.88	19.24	19.06	19.50
		1	38	19.30	18.90	19.34	19.50
		1	74	19.10	18.74	18.94	19.50
15MHz	16QAM	36	0	19.00	19.06	18.97	19.50
		36	18	18.97	19.01	18.94	19.50
		36	39	18.93	19.07	18.87	19.50
		75	0	18.91	19.00	18.90	19.50
		1	0	18.83	19.14	18.99	19.50
		1	38	19.24	18.85	19.29	19.50
		1	74	19.04	18.68	18.89	19.50
	64QAM	36	0	18.92	18.97	18.90	19.50
		36	18	18.90	18.95	18.85	19.50
		36	39	18.85	19.00	18.80	19.50
		75	0	18.84	18.94	18.80	19.50
Danaduui altla	Madulation	DD sins	DD offset	Channel	Channel	Channel	Tunatun
Bandwidth	Modulation	RB size		18700	18900	19100	Tune up
		1	0	19.10	19.12	19.18	19.50
		1	50	18.67	18.55	18.94	19.50
		1	99	18.97	18.92	18.97	19.50
	QPSK	50	0	19.00	18.99	19.04	19.50
		50	25	18.88	18.92	18.96	19.50
		50	50	18.99	18.94	18.98	19.50
		100	0	19.03	18.94	18.98	19.50
		1	0	19.32	19.31	19.38	19.50
		1	50	18.87	19.18	19.32	19.50
		1	99	19.17	19.08	19.26	19.50
20MHz	16QAM	50	0	18.96	19.03	18.92	19.50
		50	25	18.84	18.93	18.92	19.50
		50	50	18.84	18.89	18.79	19.50
		100	0	18.87	18.85	18.88	19.50
		1	0	19.27	19.25	19.32	19.50
		1	50	18.77	19.12	19.25	19.50
		1	99	19.11	19.03	19.17	19.50
	64QAM	50	0	18.89	18.96	18.84	19.50
		50	25	18.75	18.87	18.85	19.50
	i l			10.75	40.04	40.70	
		50	50	18.75	18.84	18.72	19.50

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LTE B	and 2 Receiver	on(Right he	ead)		Conducted F	Power(dBm)	
Domahusi altib	Modulation	DP oizo	DB offeet	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	18607	18900	19193	Tune up
		1	0	17.52	17.40	17.45	18.00
		1	2	17.31	17.37	17.54	18.00
		1	5	17.50	17.55	17.47	18.00
	QPSK	3	0	17.26	17.50	17.39	18.00
		3	2	17.21	17.18	17.50	18.00
		3	3	17.52	17.32	17.46	18.00
		6	0	17.43	17.39	17.38	18.00
		1	0	17.71	17.77	17.80	18.00
		1	2	16.73	17.88	17.36	18.00
	1.4MHz 16QAM	1	5	17.95	17.98	17.73	18.00
1.4MHz		3	0	17.54	17.38	17.46	18.00
		3	2	17.51	17.75	17.65	18.00
		3	3	17.57	17.46	17.63	18.00
		6	0	17.48	17.28	17.24	18.00
		1	0	17.61	17.70	17.72	18.00
		1	2	16.66	17.79	17.29	18.00
		1	5	17.86	17.90	17.64	18.00
	64QAM	3	0	17.46	17.30	17.40	18.00
		3	2	17.43	17.69	17.58	18.00
		3	3	17.49	17.41	17.58	18.00
		6	0	17.43	17.20	17.16	18.00
Donalusialth	Madulation	DD ai=a	DD offset	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	18615	18900	19185	Tune up
		1	0	17.59	17.52	17.42	18.00
		1	7	16.59	16.77	17.25	18.00
		1	14	17.54	17.49	17.43	18.00
	QPSK	8	0	17.42	17.23	17.32	18.00
		8	4	17.04	17.39	17.51	18.00
		8	7	17.42	17.52	17.35	18.00
		15	0	17.45	17.66	17.30	18.00
		1	0	17.85	17.94	17.80	18.00
		1	7	17.42	17.37	16.79	18.00
		1	14	17.76	17.85	17.87	18.00
3MHz	16QAM	8	0	17.55	17.31	17.40	18.00
		8	4	17.54	17.55	17.36	18.00
		8	7	17.64	17.48	17.42	18.00
		15	0	17.29	17.46	17.27	18.00
		1	0	17.76	17.86	17.71	18.00
		1	7	17.32	17.29	16.71	18.00
		1	14	17.69	17.75	17.78	18.00
	64QAM	8	0	17.47	17.23	17.32	18.00
		8	4	17.46	17.49	17.28	18.00
		8 8	7	17.46 17.57	17.49 17.43	17.28 17.36	18.00 18.00

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Pandwidth	Modulation	DD oizo	DD offeet	Channel	Channel	Channel	Tuna
Bandwidth	Modulation	RB size	RB offset	18625	18900	19175	Tune up
		1	0	17.52	17.50	17.37	18.00
		1	13	17.52	17.53	17.41	18.00
		1	24	17.53	17.53	17.55	18.00
	QPSK	12	0	17.56	17.55	17.46	18.00
		12	6	17.57	17.51	17.53	18.00
		12	13	17.44	17.51	17.52	18.00
		25	0	17.49	17.50	17.47	18.00
		1	0	17.85	17.87	17.90	18.00
		1	13	17.88	17.82	17.73	18.00
		1	24	17.74	17.59	17.58	18.00
5MHz	16QAM	12	0	17.49	17.52	17.55	18.00
		12	6	17.52	17.52	17.53	18.00
		12	13	17.45	17.54	17.45	18.00
		25	0	17.45	17.50	17.35	18.00
		1	0	17.78	17.78	17.85	18.00
		1	13	17.81	17.76	17.64	18.00
		1	24	17.65	17.51	17.51	18.00
	64QAM	12	0	17.43	17.44	17.49	18.00
		12	6	17.45	17.45	17.45	18.00
		12	13	17.37	17.47	17.38	18.00
		25	0	17.39	17.44	17.26	18.00
		dulation RB size	55 %	Channel	Channel	Channel	
Bandwidth	Modulation		RB offset	18650	18900	19150	Tune up
		1	0	17.53	17.58	17.56	18.00
		1	25	17.17	16.88	17.30	18.00
		1	49	17.38	17.52	17.46	18.00
	QPSK	25	0	17.52	17.49	17.52	18.00
		25	13	17.45	17.55	17.39	18.00
		25	25	17.41	17.55	17.46	18.00
		50	0	17.50	17.49	17.40	18.00
		1	0	17.56	17.97	17.73	18.00
		1	25	17.75	17.42	17.23	18.00
		1	49	17.61	17.98	17.69	18.00
10MHz	16QAM	25	0	17.40	17.55	17.43	18.00
		25	13	17.38	17.39	17.36	18.00
		25	25	17.50	17.44	17.37	18.00
		50	0	17.43	17.43	17.41	18.00
		1	0	17.48	17.91	17.67	18.00
		1	25	17.69	17.35	17.17	18.00
		1	49	17.51	17.93	17.64	18.00
	64QAM	25	0	17.32	17.48	17.35	18.00
		25	13	17.33	17.31	17.29	18.00
							. 5.00
		25	25	17.44	17.38	17.32	18.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung un
Danuwiutii	Modulation	ND SIZE	KD Ollset	18675	18900	19125	Tune up
		1	0	17.44	17.51	17.39	18.00
		1	38	17.47	17.56	17.42	18.00
		1	74	17.37	17.45	17.33	18.00
	QPSK	36	0	17.61	17.60	17.55	18.00
		36	18	17.50	17.51	17.51	18.00
		36	39	17.45	17.44	17.53	18.00
		75	0	17.48	17.51	17.41	18.00
		1	0	17.91	17.63	17.65	18.00
		1	38	17.89	17.54	17.59	18.00
		1	74	17.63	17.21	17.72	18.00
15MHz	16QAM	36	0	17.55	17.48	17.48	18.00
		36	18	17.43	17.40	17.43	18.00
		36	39	17.39	17.45	17.49	18.00
		75	0	17.41	17.51	17.40	18.00
		1	0	17.85	17.54	17.59	18.00
		1	38	17.80	17.45	17.52	18.00
		1	74	17.56	17.16	17.64	18.00
	64QAM	36	0	17.47	17.39	17.38	18.00
		36	18	17.36	17.31	17.34	18.00
		36	39	17.32	17.35	17.43	18.00
		75	0	17.35	17.42	17.32	18.00
	hadde Maddaca		55 %	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	size RB offset	18700	18900	19100	Tune up
		1	0	17.69	17.66	17.60	18.00
		1	50	17.06	17.32	17.23	18.00
		1	99	17.46	17.48	17.55	18.00
	QPSK	50	0	17.61	17.56	17.54	18.00
		50	25	17.48	17.54	17.53	18.00
		50	50	17.47	17.55	17.46	18.00
		100	0	17.49	17.51	17.54	18.00
		1	0	17.88	17.97	17.61	18.00
		1	50	17.46	17.91	16.86	18.00
		1	99	17.99	17.57	17.94	18.00
20MHz	16QAM	50	0	17.49	17.47	17.53	18.00
		50	25	17.43	17.42	17.43	18.00
		50	50	17.41	17.47	17.40	18.00
		100	0	17.38	17.43	17.42	18.00
		1	0	17.79	17.89	17.52	18.00
		1	50	17.37	17.81	16.78	18.00
			99	17.83	17.49	17.84	18.00
		1	99		-		
	64QAM		0		17.41	17.46	18.00
	64QAM	50	0	17.39	17.41 17.33	17.46 17.37	18.00 18.00
	64QAM				17.41 17.33 17.39	17.46 17.37 17.31	18.00 18.00 18.00

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LTE Ba	and 2 Receiver	off (Body So	cene)		Conducted F	Power(dBm)	
				Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	18607	18900	19193	Tune up
		1	0	22.40	22.41	22.39	23.00
		1	2	21.56	22.06	22.46	23.00
		1	5	22.40	22.32	22.36	23.00
	QPSK	3	0	22.29	22.18	22.46	23.00
		3	2	22.29	22.48	22.36	23.00
		3	3	22.43	22.41	22.41	23.00
		6	0	22.39	22.43	21.47	23.00
		1	0	22.82	22.51	21.57	23.00
		1	2	22.31	22.61	21.16	23.00
		1	5	22.78	22.49	21.06	23.00
1.4MHz	16QAM	3	0	22.33	22.29	21.30	23.00
		3	2	21.69	22.30	21.25	23.00
		3	3	22.60	22.23	21.56	23.00
		6	0	21.30	21.24	20.09	22.00
		1	0	21.91	21.54	20.58	22.00
		1	2	21.39	21.68	20.20	22.00
		1	5	21.86	21.52	20.07	22.00
	64QAM	3	0	21.36	21.36	20.31	22.00
		3	2	20.72	21.37	20.30	22.00
		3	3	21.65	21.33	20.59	22.00
		6	0	20.39	20.27	19.15	21.00
Bandwidth	Modulation	n RB size	RB offset	Channel	Channel	Channel	Tungun
Danuwium	Modulation	KD SIZE	KD Ollset	18615	18900	19185	Tune up
		1	0	22.49	22.44	22.29	23.00
		1	7	22.36	22.10	22.44	23.00
		1	14	22.42	22.33	22.41	23.00
	QPSK	8	0	22.43	22.27	22.10	23.00
	1	8	4	22.44	22.42	22.45	23.00
		8	7	22.36	22.42	22.50	23.00
		15	0	22.37	22.45	22.21	23.00
		1	0	22.62	22.84	22.38	23.00
		1	7	21.26	21.65	22.04	23.00
3MHz		1	14	22.32	22.45	22.71	23.00
SIVITIZ	16QAM	8	0	21.45	21.00	21.32	22.00
		8	4	21.29	21.24	21.56	22.00
		8	7	21.32	21.34	21.15	22.00
		15	0	21.24	21.30	21.33	22.00
		1	0	21.72	21.88	21.38	22.00
		1	7	20.28	20.75	21.10	22.00
	640014	1	14	21.37	21.49	21.73	22.00
	64QAM	8	0	20.52	20.01	20.38	21.00
		8	4	20.32	20.27	20.58	21.00
		8	7	20.33	20.44	20.22	21.00

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		15	0	20.24	20.36	20.34	24.00
		13	U	Channel	Channel	Channel	21.00
Bandwidth	Modulation	RB size	RB offset	18625	18900	19175	Tune up
		1	0	22.35	22.36	22.38	23.00
		1	13	22.44	22.44	22.31	23.00
		1	24	22.34	22.27	22.38	23.00
	QPSK	12	0	22.43	22.37	22.40	23.00
		12	6	22.29	22.34	22.48	23.00
		12	13	22.43	22.38	22.35	23.00
		25	0	22.33	22.33	22.40	23.00
		1	0	22.85	22.40	22.81	23.00
		1	13	22.44	22.80	22.56	23.00
		1	24	22.41	22.63	22.91	23.00
5MHz	16QAM	12	0	21.31	21.41	21.35	22.00
		12	6	21.38	21.16	21.34	22.00
		12	13	21.35	21.37	21.46	22.00
		25	0	21.43	21.23	21.31	22.00
		1	0	21.92	21.49	21.89	22.00
		1	13	21.50	21.83	21.59	22.00
		1	24	21.47	21.68	21.99	22.00
	64QAM	12	0	20.35	20.47	20.40	21.00
		12	6	20.44	20.16	20.37	21.00
		12	13	20.39	20.39	20.49	21.00
		25	0	20.51	20.29	20.31	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	modalation	1 12 0.20	112 0001	18650	18900	19150	i and ap
		1	0	22.38	22.51	22.32	23.00
		1	25	22.38 22.26	22.51 22.30	22.31	23.00
		1 1	25 49	22.38 22.26 22.41	22.51 22.30 22.31	22.31 22.36	23.00 23.00
	QPSK	1 1 25	25 49 0	22.38 22.26 22.41 22.48	22.51 22.30 22.31 22.30	22.31 22.36 22.36	23.00 23.00 23.00
	QPSK	1 1 25 25	25 49 0 13	22.38 22.26 22.41 22.48 22.43	22.51 22.30 22.31 22.30 22.40	22.31 22.36 22.36 22.35	23.00 23.00 23.00 23.00
	QPSK	1 1 25 25 25	25 49 0 13 25	22.38 22.26 22.41 22.48 22.43 22.37	22.51 22.30 22.31 22.30 22.40 22.28	22.31 22.36 22.36 22.35 22.33	23.00 23.00 23.00 23.00 23.00
	QPSK	1 1 25 25 25 25 50	25 49 0 13 25 0	22.38 22.26 22.41 22.48 22.43 22.37 22.30	22.51 22.30 22.31 22.30 22.40 22.28 22.33	22.31 22.36 22.36 22.35 22.33 22.33	23.00 23.00 23.00 23.00 23.00 23.00
	QPSK	1 1 25 25 25 25 50	25 49 0 13 25 0	22.38 22.26 22.41 22.48 22.43 22.37 22.30 22.44	22.51 22.30 22.31 22.30 22.40 22.28 22.33 22.74	22.31 22.36 22.36 22.35 22.33 22.33 22.12	23.00 23.00 23.00 23.00 23.00 23.00 23.00
	QPSK	1 1 25 25 25 25 50 1	25 49 0 13 25 0 0 25	22.38 22.26 22.41 22.48 22.43 22.37 22.30 22.44 22.47	22.51 22.30 22.31 22.30 22.40 22.28 22.33 22.74 22.75	22.31 22.36 22.36 22.35 22.33 22.33 22.12 21.81	23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00
ANNI		1 1 25 25 25 25 50 1 1	25 49 0 13 25 0 0 25 49	22.38 22.26 22.41 22.48 22.43 22.37 22.30 22.44 22.47 22.61	22.51 22.30 22.31 22.30 22.40 22.28 22.33 22.74 22.75 22.75	22.31 22.36 22.36 22.35 22.33 22.33 22.12 21.81 22.56	23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00
10MHz	QPSK 16QAM	1 25 25 25 50 1 1 1 25	25 49 0 13 25 0 0 25 49	22.38 22.26 22.41 22.48 22.43 22.37 22.30 22.44 22.47 22.61 21.40	22.51 22.30 22.31 22.30 22.40 22.28 22.33 22.74 22.75 22.75 21.30	22.31 22.36 22.36 22.35 22.33 22.33 22.12 21.81 22.56 21.27	23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00
10MHz		1 1 25 25 25 50 1 1 1 1 25 25	25 49 0 13 25 0 0 25 49 0	22.38 22.26 22.41 22.48 22.43 22.37 22.30 22.44 22.47 22.61 21.40 21.30	22.51 22.30 22.31 22.30 22.40 22.28 22.33 22.74 22.75 22.75 21.30 21.26	22.31 22.36 22.36 22.35 22.33 22.33 22.12 21.81 22.56 21.27 21.31	23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00
10MHz		1 1 25 25 25 50 1 1 1 25 25 25	25 49 0 13 25 0 0 25 49 0 13 25	22.38 22.26 22.41 22.48 22.43 22.37 22.30 22.44 22.47 22.61 21.40 21.30 21.25	22.51 22.30 22.31 22.30 22.40 22.28 22.33 22.74 22.75 21.30 21.26 21.23	22.31 22.36 22.36 22.35 22.33 22.33 22.12 21.81 22.56 21.27 21.31 21.24	23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00
10MHz		1 25 25 25 50 1 1 1 25 25 25 25	25 49 0 13 25 0 0 25 49 0 13 25 0	22.38 22.26 22.41 22.48 22.43 22.37 22.30 22.44 22.47 22.61 21.40 21.30 21.25 21.21	22.51 22.30 22.31 22.30 22.40 22.28 22.33 22.74 22.75 21.30 21.26 21.23 21.34	22.31 22.36 22.36 22.35 22.33 22.33 22.12 21.81 22.56 21.27 21.31 21.24 21.39	23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00
10MHz		1 25 25 25 50 1 1 1 25 25 25 50 1	25 49 0 13 25 0 0 25 49 0 13 25 0	22.38 22.26 22.41 22.48 22.43 22.37 22.30 22.44 22.47 22.61 21.40 21.30 21.25 21.21 21.53	22.51 22.30 22.31 22.30 22.40 22.28 22.33 22.74 22.75 21.30 21.26 21.23 21.34 21.82	22.31 22.36 22.36 22.35 22.33 22.33 22.12 21.81 22.56 21.27 21.31 21.24 21.39 21.18	23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00
10MHz		1 25 25 25 50 1 1 1 25 25 25 50 1 1 1 25 25	25 49 0 13 25 0 0 25 49 0 13 25 0 0	22.38 22.26 22.41 22.48 22.43 22.37 22.30 22.44 22.47 22.61 21.40 21.30 21.25 21.25 21.21	22.51 22.30 22.31 22.30 22.40 22.28 22.33 22.74 22.75 21.30 21.26 21.23 21.34 21.82 21.80	22.31 22.36 22.36 22.35 22.33 22.33 22.12 21.81 22.56 21.27 21.31 21.24 21.39 21.18 20.87	23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00
10MHz	16QAM	1 1 25 25 25 50 1 1 1 25 25 25 50 1 1 1 1 25 25	25 49 0 13 25 0 0 25 49 0 13 25 0 0 0 25 49	22.38 22.26 22.41 22.48 22.43 22.37 22.30 22.44 22.47 22.61 21.40 21.30 21.25 21.21 21.53 21.69	22.51 22.30 22.31 22.30 22.40 22.28 22.33 22.74 22.75 21.30 21.26 21.23 21.34 21.82 21.80 21.83	22.31 22.36 22.36 22.35 22.33 22.33 22.12 21.81 22.56 21.27 21.31 21.24 21.39 21.18 20.87 21.58	23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
10MHz		1 1 25 25 25 50 1 1 1 25 25 50 1 1 1 1 25 25 50	25 49 0 13 25 0 0 25 49 0 13 25 0 0 25 49	22.38 22.26 22.41 22.48 22.43 22.37 22.30 22.44 22.47 22.61 21.40 21.30 21.25 21.21 21.53 21.69 20.50	22.51 22.30 22.31 22.30 22.40 22.28 22.33 22.74 22.75 21.30 21.26 21.23 21.34 21.82 21.80 21.83 20.38	22.31 22.36 22.36 22.35 22.33 22.33 22.12 21.81 22.56 21.27 21.31 21.24 21.39 21.18 20.87 21.58 20.29	23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
10MHz	16QAM	1 25 25 25 50 1 1 1 25 25 25 50 1 1 1 1 25 25 25 25 25 25 25 25 25 25 25 25 25	25 49 0 13 25 0 0 25 49 0 13 25 0 0 25 49 0 13	22.38 22.26 22.41 22.48 22.43 22.37 22.30 22.44 22.47 22.61 21.40 21.30 21.25 21.21 21.53 21.53 21.69 20.50 20.34	22.51 22.30 22.31 22.30 22.40 22.28 22.33 22.74 22.75 21.30 21.26 21.23 21.34 21.82 21.80 21.83 20.38 20.35	22.31 22.36 22.36 22.35 22.33 22.33 22.12 21.81 22.56 21.27 21.31 21.24 21.39 21.18 20.87 21.58 20.29 20.36	23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 21.00 21.00
10MHz	16QAM	1 1 25 25 25 50 1 1 1 25 25 50 1 1 1 1 25 25 50	25 49 0 13 25 0 0 25 49 0 13 25 0 0 25 49	22.38 22.26 22.41 22.48 22.43 22.37 22.30 22.44 22.47 22.61 21.40 21.30 21.25 21.21 21.53 21.69 20.50	22.51 22.30 22.31 22.30 22.40 22.28 22.33 22.74 22.75 21.30 21.26 21.23 21.34 21.82 21.80 21.83 20.38	22.31 22.36 22.36 22.35 22.33 22.33 22.12 21.81 22.56 21.27 21.31 21.24 21.39 21.18 20.87 21.58 20.29	23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danuwium	iviodulation	ND SIZE	KD Ollset	18675	18900	19125	Turie up
		1	0	22.54	22.46	22.21	23.00
		1	38	22.39	22.21	22.29	23.00
		1	74	22.26	22.25	22.35	23.00
	QPSK	36	0	22.39	22.47	22.33	23.00
		36	18	22.40	22.41	22.38	23.00
		36	39	22.47	22.43	22.35	23.00
		75	0	22.47	22.40	22.36	23.00
		1	0	22.43	22.74	22.51	23.00
		1	38	22.48	22.84	22.70	23.00
		1	74	22.31	22.55	22.58	23.00
15MHz	16QAM	36	0	21.39	21.42	21.30	22.00
		36	18	21.30	21.21	21.37	22.00
		36	39	21.40	21.36	21.35	22.00
		75	0	21.38	21.39	21.29	22.00
		1	0	21.51	21.75	21.51	22.00
		1	38	21.57	21.90	21.71	22.00
		1	74	21.40	21.57	21.67	22.00
	64QAM	36	0	20.45	20.43	20.35	21.00
	0+97 (17)	36	18	20.31	20.31	20.42	21.00
		36	39	20.42	20.37	20.44	21.00
		75	0	20.39	20.41	20.33	21.00
		75		Channel	Channel	Channel	21.00
Bandwidth	Modulation	RB size	RB offset	18700	18900	19100	Tune up
		1	0	22.56	22.43	22.48	23.00
		1	50	22.27	22.38	22.39	23.00
		1	99	22.54	22.35	22.44	23.00
	QPSK	50	0	22.49	22.44	22.48	23.00
	Qi Oit	50	25	22.32	22.46	22.41	23.00
		50	50	22.33	22.43	22.33	23.00
		100	0	22.45	22.32	22.39	23.00
		1	0	22.93	22.87	22.76	23.00
		1	50	21.94	22.41	22.70	23.00
		1	99	22.66	22.67	22.92	23.00
20MHz	16QAM	50	0	21.46	21.20	21.36	
ZUIVITIZ	IOQAW	50	25	21.40	21.20	21.15	22.00
							22.00
		50	50	21.40	21.23	21.25	22.00
		100	0	21.33	21.29	21.33	22.00
		1	0	21.93	21.95	21.85	22.00
		1	50	20.95	21.42	21.31	22.00
	0.40.11	1	99	21.73	21.68	21.94	22.00
	64QAM	50	0	20.54	20.22	20.43	21.00
		50	25	20.39	20.39	20.21	21.00
		50	50	20.47	20.32	20.34	21.00
		100	0	20.37	20.33	20.36	21.00

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LTE Ban	d 2 Receiver o on/Hotsp	,	+WiFi		Conducted F	Power(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Dandwidth	Wodulation	ND SIZE	IVD Ollset	18607	18900	19193	Turie up
		1	0	15.35	15.28	15.26	16.50
		1	2	14.88	14.98	14.97	16.50
		1	5	15.38	15.24	15.27	16.50
	QPSK	3	0	15.25	15.18	15.13	16.50
		3	2	15.20	15.20	15.15	16.50
		3	3	15.25	15.14	15.19	16.50
		6	0	15.21	15.15	15.14	16.50
		1	0	15.63	15.72	15.47	16.50
		1	2	15.20	15.35	15.09	16.50
		1	5	15.64	15.43	15.41	16.50
1.4MHz	16QAM	3	0	15.17	15.12	15.16	16.50
		3	2	15.21	15.14	15.12	16.50
		3	3	15.21	15.13	15.11	16.50
		6	0	15.21	15.13	15.18	16.50
		1	0	15.55	15.65	15.41	16.50
		1	2	15.14	15.27	15.00	16.50
		1	5	15.55	15.34	15.34	16.50
	64QAM	3	0	15.11	15.04	15.10	16.50
		3	2	15.12	15.08	15.06	16.50
		3	3	15.15	15.07	15.05	16.50
		6	0	15.12	15.03	15.11	16.50
Don dwidth	Modulation	RB size	DD offeet	Channel	Channel	Channel	Tungur
Bandwidth	Modulation	KD SIZE	RB offset	18615	18900	19185	Tune up
		1	0	15.43	15.38	15.33	16.50
		1	7	14.94	15.03	15.03	16.50
		1	14	15.43	15.33	15.34	16.50
	QPSK	8	0	15.35	15.27	15.21	16.50
		8	4	15.27	15.25	15.21	16.50
		8	7	15.31	15.21	15.24	16.50
		15	0	15.30	15.20	15.23	16.50
		1	0	15.69	15.81	15.55	16.50
OMILE.		1	7	15.28	15.40	15.18	16.50
3MHz		1	14	15.70	15.51	15.46	16.50
	16QAM	8	0	15.26	15.19	15.21	16.50
		8	4	15.30	15.22	15.21	16.50
		8	7	15.27	15.22	15.17	16.50
		15	0	15.27	15.18	15.25	16.50
		1	0	15.60	15.74	15.46	16.50
	040014	1	7	15.21	15.34	15.10	16.50
	64QAM	1	14	15.60	15.44	15.39	16.50

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		8	4	15.22	15.14	15.14	16.50
		8	7	15.19	15.17	15.10	16.50
		15	0	15.20	15.11	15.18	16.50
Dandwidth	Modulation	DD oizo	DD offeet	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	18625	18900	19175	Tune up
		1	0	15.52	15.44	15.39	16.50
		1	13	15.02	15.11	15.12	16.50
		1	24	15.49	15.40	15.40	16.50
	QPSK	12	0	15.41	15.37	15.29	16.50
		12	6	15.35	15.31	15.29	16.50
		12	13	15.41	15.30	15.31	16.50
		25	0	15.36	15.28	15.33	16.50
		1	0	15.77	15.87	15.63	16.50
		1	13	15.37	15.47	15.25	16.50
		1	24	15.76	15.56	15.54	16.50
5MHz	16QAM	12	0	15.35	15.29	15.26	16.50
		12	6	15.36	15.29	15.26	16.50
		12	13	15.37	15.29	15.27	16.50
		25	0	15.36	15.27	15.33	16.50
		1	0	15.70	15.81	15.57	16.50
		1	13	15.32	15.39	15.16	16.50
		1	24	15.69	15.50	15.45	16.50
	64QAM	12	0	15.27	15.21	15.17	16.50
		12	6	15.30	15.21	15.17	16.50
		12	13	15.31	15.20	15.18	16.50
		25	0	15.27	15.18	15.26	16.50
Danish dalah	Mad Info	DD -:	DD - (()	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	18650	18900	19150	Tune up
		1	0	15.59	15.52	15.47	16.50
		1	25	15.10	15.18	15.20	16.50
		1	49	15.57	15.46	15.49	16.50
	QPSK	25	0	15.47	15.44	15.37	16.50
		25	13	15.43	15.36	15.35	16.50
		25	25	15.46	15.37	15.40	16.50
		50	0	15.42	15.35	15.43	16.50
Cal		1	0	15.86	15.96	15.73	16.50
		1	25	15.44	15.54	15.32	16.50
10MHz		1	49	15.82	15.65	15.64	16.50
	16QAM	25	0	15.44	15.37	15.33	16.50
		25	13	15.43	15.35	15.32	16.50
		25	25	15.45	15.36	15.35	16.50
		50	0	15.43	15.35	15.39	16.50
		1	0	15.78	15.91	15.64	16.50
Ĩ			25	15.35	15.44	15.26	16.50
		1	23	10.00	10.77		
	64QAM	1					
	64QAM		49	15.75 15.37	15.56 15.32	15.56 15.25	16.50 16.50

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	'	25	25	15.39	15.28	15.27	16.50
		50	0	15.37	15.30	15.31	16.50
Donadoui déla	Modulation	DD oizo	DD offeet	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	18675	18900	19125	Tune up
		1	0	15.64	15.62	15.56	16.50
		1	38	15.19	15.28	15.29	16.50
		1	74	15.66	15.53	15.57	16.50
	QPSK	36	0	15.53	15.53	15.44	16.50
		36	18	15.49	15.45	15.43	16.50
		36	39	15.55	15.45	15.49	16.50
		75	0	15.51	15.44	15.50	16.50
		1	0	15.93	16.01	15.79	16.50
		1	38	15.51	15.59	15.41	16.50
		1	74	15.88	15.71	15.70	16.50
15MHz	16QAM	36	0	15.49	15.44	15.42	16.50
		36	18	15.49	15.41	15.37	16.50
		36	39	15.51	15.42	15.43	16.50
		75	0	15.50	15.43	15.46	16.50
		1	0	15.86	15.95	15.69	16.50
		1	38	15.46	15.51	15.36	16.50
		1	74	15.82	15.62	15.64	16.50
	64QAM	36	0	15.40	15.38	15.36	16.50
		36	18	15.41	15.33	15.28	16.50
		36	39	15.42	15.37	15.35	16.50
		75	0	15.42	15.37	15.40	16.50
Dan duri dila	Madulation	DD sins	DD offeet	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	18700	18900	19100	Tune up
		1	0	15.69	15.70	15.62	16.50
		1	50	15.28	15.33	15.34	16.50
		1	99	15.72	15.59	15.64	16.50
	QPSK	50	0	15.63	15.59	15.53	16.50
		50	25	15.58	15.55	15.52	16.50
		50	50	15.61	15.54	15.57	16.50
		100	0	45.00	15.53	15.58	16.50
		100	U	15.60	13.33		
		1	0	16.08	16.07	15.85	16.50
		1 1	_				
		1	0	16.08	16.07	15.85	16.50
20MHz	16QAM	1	0 50	16.08 15.60	16.07 15.64	15.85 15.48	16.50 16.50 16.50
20MHz	16QAM	1 1 1	0 50 99	16.08 15.60 15.95	16.07 15.64 15.76	15.85 15.48 15.79	16.50 16.50 16.50 16.50
20MHz	16QAM	1 1 1 50	0 50 99 0	16.08 15.60 15.95 15.57	16.07 15.64 15.76 15.52	15.85 15.48 15.79 15.51	16.50 16.50 16.50
20MHz	16QAM	1 1 1 50 50	0 50 99 0 25	16.08 15.60 15.95 15.57 15.54	16.07 15.64 15.76 15.52 15.47	15.85 15.48 15.79 15.51 15.47	16.50 16.50 16.50 16.50 16.50
20MHz	16QAM	1 1 1 50 50 50	0 50 99 0 25 50	16.08 15.60 15.95 15.57 15.54 15.59	16.07 15.64 15.76 15.52 15.47 15.50	15.85 15.48 15.79 15.51 15.47 15.50	16.50 16.50 16.50 16.50 16.50 16.50
20MHz	16QAM	1 1 1 50 50 50 100	0 50 99 0 25 50	16.08 15.60 15.95 15.57 15.54 15.59 15.57	16.07 15.64 15.76 15.52 15.47 15.50 15.49	15.85 15.48 15.79 15.51 15.47 15.50 15.54	16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz		1 1 1 50 50 50 100	0 50 99 0 25 50 0	16.08 15.60 15.95 15.57 15.54 15.59 15.57 15.94 15.53	16.07 15.64 15.76 15.52 15.47 15.50 15.49 16.00 15.59	15.85 15.48 15.79 15.51 15.47 15.50 15.54 15.79 15.43	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz	16QAM 64QAM	1 1 50 50 50 100 1 1	0 50 99 0 25 50 0	16.08 15.60 15.95 15.57 15.54 15.59 15.57 15.94 15.53 15.90	16.07 15.64 15.76 15.52 15.47 15.50 15.49 16.00 15.59 15.69	15.85 15.48 15.79 15.51 15.47 15.50 15.54 15.79 15.43 15.73	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50
20MHz		1 1 50 50 50 100 1	0 50 99 0 25 50 0 0 50	16.08 15.60 15.95 15.57 15.54 15.59 15.57 15.94 15.53	16.07 15.64 15.76 15.52 15.47 15.50 15.49 16.00 15.59	15.85 15.48 15.79 15.51 15.47 15.50 15.54 15.79 15.43	16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50

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	100	0	15.48	15.39	15.48	16.50	
--	-----	---	-------	-------	-------	-------	--

LTE Band	I 2 Receiver on on/Hotsp			Conducted F	Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danuwium	Wodulation	ND SIZE	IND Ollset	18607	18900	19193	Turie up
		1	0	13.83	13.92	13.75	15.00
		1	2	13.61	13.43	13.46	15.00
		1	5	13.69	13.73	13.72	15.00
	QPSK	3	0	13.67	13.65	13.61	15.00
		3	2	13.73	13.65	13.55	15.00
		3	3	13.68	13.63	13.69	15.00
		6	0	13.68	13.63	13.78	15.00
		1	0	14.10	14.04	14.04	15.00
		1	2	13.81	13.56	13.61	15.00
		1	5	14.00	13.91	14.13	15.00
1.4MHz	16QAM	3	0	13.70	13.67	13.53	15.00
	1	3	2	13.59	13.53	13.58	15.00
		3	3	13.63	13.64	13.60	15.00
		6	0	13.66	13.53	13.61	15.00
		1	0	14.03	13.97	13.96	15.00
		1	2	13.75	13.47	13.56	15.00
		1	5	13.94	13.85	14.07	15.00
	64QAM	3	0	13.61	13.62	13.43	15.00
	·	3	2	13.52	13.44	13.49	15.00
		3	3	13.53	13.56	13.54	15.00
		6	0	13.58	13.47	13.52	15.00
5 1 1 1 1 1 1			DD " '	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	18615	18900	19185	Tune up
		1	0	13.90	13.98	13.82	15.00
		1	7	13.67	13.53	13.54	15.00
		1	14	13.79	13.82	13.79	15.00
	QPSK	8	0	13.75	13.75	13.70	15.00
		8	4	13.83	13.73	13.61	15.00
		8	7	13.78	13.72	13.75	15.00
		15	0	13.76	13.70	13.84	15.00
		1	0	14.19	14.10	14.11	15.00
		1	7	13.87	13.65	13.68	15.00
3MHz		1	14	14.07	14.01	14.19	15.00
	16QAM	8	0	13.77	13.75	13.60	15.00
		8	4	13.66	13.62	13.63	15.00
		8	7	13.69	13.69	13.68	15.00
		15	0	13.74	13.59	13.66	15.00
		1	0	14.10	14.02	14.06	15.00
		1	7	13.79	13.57	13.59	15.00
	040484		,	. 5.7 0	. 5.57	. 5.55	. 5.00
	64QAM	1	14	13.98	13.91	14.13	15.00

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		8	4	13.58	13.55	13.54	15.00
		8	7	13.59	13.64	13.62	15.00
		15	0	13.69	13.51	13.60	15.00
Don dwidth	Modulation	DD size	DD offeet	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	18625	18900	19175	Tune up
		1	0	13.96	14.03	13.89	15.00
		1	13	13.76	13.60	13.61	15.00
		1	24	13.89	13.87	13.87	15.00
	QPSK	12	0	13.85	13.81	13.80	15.00
		12	6	13.90	13.81	13.70	15.00
		12	13	13.83	13.77	13.85	15.00
		25	0	13.85	13.79	13.90	15.00
		1	0	14.25	14.20	14.19	15.00
		1	13	13.93	13.71	13.78	15.00
		1	24	14.12	14.08	14.26	15.00
5MHz	16QAM	12	0	13.86	13.80	13.70	15.00
		12	6	13.73	13.68	13.70	15.00
		12	13	13.78	13.76	13.74	15.00
		25	0	13.82	13.69	13.75	15.00
		1	0	14.16	14.14	14.10	15.00
		1	13	13.87	13.61	13.72	15.00
		1	24	14.07	14.01	14.19	15.00
	64QAM	12	0	13.78	13.75	13.63	15.00
		12	6	13.66	13.61	13.65	15.00
		12	13	13.72	13.67	13.64	15.00
		25	0	13.74	13.64	13.66	15.00
D 1/1/1	Maril India	DD -: -	DD - (()	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	18650	18900	19150	Tune up
		1	0	14.03	14.09	13.98	15.00
		1	25	13.82	13.68	13.69	15.00
		1	49	13.97	13.94	13.96	15.00
	QPSK	25	0	13.93	13.88	13.87	15.00
		25	13	13.96	13.89	13.79	15.00
		25	25	13.91	13.87	13.92	15.00
		50	0	13.92	13.86	13.96	15.00
		1	0	14.32	14.30	14.28	15.00
		1	25	13.99	13.80	13.85	15.00
10MHz		1	49	14.20	14.15	14.35	15.00
	16QAM	25	0	13.92	13.87	13.78	15.00
	·	25	13	13.83	13.78	13.78	15.00
		25	25	13.85	13.82	13.83	15.00
		50	0	13.89	13.79	13.83	15.00
		1	0	14.22	14.25	14.19	15.00
		1	25	13.94	13.72	13.77	15.00
	64QAM	1	49	14.11	14.10	14.29	15.00
	5 1 G/ (IVI	25	0	13.85	13.78	13.69	15.00
		25	13	13.77	13.73	13.70	15.00
		20	l I U	10.11	10.70	10.70	15.00

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		25	25	13.80	13.76	13.74	15.00
		50	0	13.83	13.73	13.77	15.00
Pandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tuno un
Bandwidth	Modulation	KD SIZE	RD Ollset	18675	18900	19125	Tune up
		1	0	14.10	14.15	14.05	15.00
		1	38	13.87	13.74	13.76	15.00
		1	74	14.04	14.01	14.02	15.00
	QPSK	36	0	14.03	13.98	13.94	15.00
		36	18	14.01	13.95	13.89	15.00
		36	39	14.00	13.96	13.97	15.00
		75	0	14.01	13.94	14.03	15.00
		1	0	14.42	14.39	14.34	15.00
		1	38	14.09	13.88	13.90	15.00
		1	74	14.27	14.21	14.43	15.00
15MHz	16QAM	36	0	13.98	13.96	13.86	15.00
		36	18	13.93	13.87	13.86	15.00
		36	39	13.93	13.89	13.90	15.00
		75	0	13.96	13.87	13.89	15.00
		1	0	14.32	14.31	14.25	15.00
		1	38	14.01	13.80	13.82	15.00
		1	74	14.20	14.14	14.33	15.00
	64QAM	36	0	13.91	13.89	13.78	15.00
		36	18	13.84	13.81	13.78	15.00
		36	39	13.85	13.79	13.84	15.00
		75	0	13.91	13.79	13.82	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tunguin
Danuwiuth	Modulation	KD SIZE	RD Ollset	18700	18900	19100	Tune up
		1	0	14.16	14.21	14.14	15.00
		1	U	17.10		17.17	10.00
		1	50	13.96	13.80	13.85	15.00
		<u> </u>					
	QPSK	1	50	13.96	13.80	13.85	15.00
	QPSK	1	50 99	13.96 14.13	13.80 14.08	13.85 14.11	15.00 15.00
	QPSK	1 1 50	50 99 0	13.96 14.13 14.12	13.80 14.08 14.04	13.85 14.11 13.99	15.00 15.00 15.00 15.00
	QPSK	1 1 50 50	50 99 0 25	13.96 14.13 14.12 14.07	13.80 14.08 14.04 14.02	13.85 14.11 13.99 13.97	15.00 15.00 15.00
	QPSK	1 1 50 50 50	50 99 0 25 50	13.96 14.13 14.12 14.07 14.09	13.80 14.08 14.04 14.02 14.05	13.85 14.11 13.99 13.97 14.06	15.00 15.00 15.00 15.00 15.00
	QPSK	1 1 50 50 50	50 99 0 25 50	13.96 14.13 14.12 14.07 14.09 14.08	13.80 14.08 14.04 14.02 14.05 14.03	13.85 14.11 13.99 13.97 14.06 14.08	15.00 15.00 15.00 15.00 15.00 15.00
	QPSK	1 50 50 50 100	50 99 0 25 50 0	13.96 14.13 14.12 14.07 14.09 14.08 14.50	13.80 14.08 14.04 14.02 14.05 14.03 14.45	13.85 14.11 13.99 13.97 14.06 14.08 14.40	15.00 15.00 15.00 15.00 15.00 15.00
20MHz	QPSK 16QAM	1 1 50 50 50 100 1	50 99 0 25 50 0 0 50	13.96 14.13 14.12 14.07 14.09 14.08 14.50 14.18	13.80 14.08 14.04 14.02 14.05 14.03 14.45 13.97	13.85 14.11 13.99 13.97 14.06 14.08 14.40 13.99	15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00
20MHz		1 1 50 50 50 100 1 1	50 99 0 25 50 0 0 50 99	13.96 14.13 14.12 14.07 14.09 14.08 14.50 14.18 14.37	13.80 14.08 14.04 14.02 14.05 14.03 14.45 13.97 14.28	13.85 14.11 13.99 13.97 14.06 14.08 14.40 13.99 14.52	15.00 15.00 15.00 15.00 15.00 15.00 15.00
20MHz		1 50 50 50 100 1 1 1 1 50	50 99 0 25 50 0 0 50 99	13.96 14.13 14.12 14.07 14.09 14.08 14.50 14.18 14.37 14.07	13.80 14.08 14.04 14.02 14.05 14.03 14.45 13.97 14.28 14.02	13.85 14.11 13.99 13.97 14.06 14.08 14.40 13.99 14.52 13.93	15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00
20MHz		1 50 50 50 100 1 1 1 1 50 50	50 99 0 25 50 0 0 50 99 0	13.96 14.13 14.12 14.07 14.09 14.08 14.50 14.18 14.37 14.07 13.98	13.80 14.08 14.04 14.02 14.05 14.03 14.45 13.97 14.28 14.02 13.96	13.85 14.11 13.99 13.97 14.06 14.08 14.40 13.99 14.52 13.93 13.94	15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00
20MHz		1 50 50 50 100 1 1 1 50 50	50 99 0 25 50 0 0 50 99 0 25 50	13.96 14.13 14.12 14.07 14.09 14.08 14.50 14.18 14.37 14.07 13.98 14.02 14.03	13.80 14.08 14.04 14.02 14.05 14.03 14.45 13.97 14.28 14.02 13.96 13.97 13.95	13.85 14.11 13.99 13.97 14.06 14.08 14.40 13.99 14.52 13.93 13.94 13.98 13.97	15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00
20MHz		1 50 50 50 100 1 1 1 1 50 50 50	50 99 0 25 50 0 0 50 99 0 25 50	13.96 14.13 14.12 14.07 14.09 14.08 14.50 14.18 14.37 14.07 13.98 14.02	13.80 14.08 14.04 14.02 14.05 14.03 14.45 13.97 14.28 14.02 13.96 13.97	13.85 14.11 13.99 13.97 14.06 14.08 14.40 13.99 14.52 13.93 13.94 13.98	15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00
20MHz	16QAM	1 1 50 50 50 100 1 1 1 50 50 50 100 1	50 99 0 25 50 0 0 50 99 0 25 50 0 0 0 50 99 0 25 50 0 0 50 99 0 50 50 50 50 50 50 50 50 50	13.96 14.13 14.12 14.07 14.09 14.08 14.50 14.18 14.37 14.07 13.98 14.02 14.03 14.45	13.80 14.08 14.04 14.02 14.05 14.03 14.45 13.97 14.28 14.02 13.96 13.97 13.95 14.36 13.90	13.85 14.11 13.99 13.97 14.06 14.08 14.40 13.99 14.52 13.93 13.94 13.98 13.97 14.34 13.92	15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00
20MHz		1 1 50 50 50 100 1 1 1 50 50 50 100 1 1 1 1	50 99 0 25 50 0 0 50 99 0 25 50 0 0 0 50 99 0 25 50 99 0 25 50 99 0 99 0 99 90 90 90 90 90	13.96 14.13 14.12 14.07 14.09 14.08 14.50 14.18 14.37 14.07 13.98 14.02 14.03 14.45 14.11	13.80 14.08 14.04 14.02 14.05 14.03 14.45 13.97 14.28 14.02 13.96 13.97 13.95 14.36 13.90 14.21	13.85 14.11 13.99 13.97 14.06 14.08 14.40 13.99 14.52 13.93 13.94 13.98 13.97 14.34 13.92 14.46	15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00
20MHz	16QAM	1 1 50 50 50 100 1 1 1 50 50 50 100 1	50 99 0 25 50 0 0 50 99 0 25 50 0 0 0 50 99 0 25 50 0 0 50 99 0 50 50 50 50 50 50 50 50 50	13.96 14.13 14.12 14.07 14.09 14.08 14.50 14.18 14.37 14.07 13.98 14.02 14.03 14.45	13.80 14.08 14.04 14.02 14.05 14.03 14.45 13.97 14.28 14.02 13.96 13.97 13.95 14.36 13.90	13.85 14.11 13.99 13.97 14.06 14.08 14.40 13.99 14.52 13.93 13.94 13.98 13.97 14.34 13.92	15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00

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	100	0	13.98	13.88	13.89	15.00	
		-					1

LTE Band	2 Receiver off on/Hotsp		ne)+WiFi		Conducted I	Power(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
		1	0	19.41	19.25	19.47	20.00
		1	2	19.45	18.49	19.31	20.00
		<u>·</u> 1	5	19.45	19.49	19.29	20.00
	QPSK	3	0	19.48	18.99	19.26	20.00
	S. S . S . S . S . S . S . S .	3	2	19.39	19.20	19.12	20.00
		3	3	19.42	19.44	19.46	20.00
		6	0	19.43	19.52	19.21	20.00
		1	0	19.11	19.75	19.70	20.00
		1	2	19.08	19.57	19.60	20.00
		1	5	19.75	19.71	19.58	20.00
1.4MHz	16QAM	3	0	19.55	18.98	19.20	20.00
		3	2	19.70	18.94	19.18	20.00
		3	3	19.24	19.45	19.39	20.00
		6	0	19.49	19.30	19.38	20.00
		1	0	19.04	19.69	19.75	20.00
		1	2	19.01	19.47	19.55	20.00
		1	5	19.69	19.73	19.50	20.00
	64QAM	3	0	19.49	18.90	19.12	20.00
		3	2	19.62	18.87	19.11	20.00
		3	3	19.14	19.37	19.29	20.00
		6	0	19.42	19.22	19.30	20.00
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	18615	18900	19185	Tune up
		1	0	19.40	19.38	19.33	20.00
		10	7	19.11	19.13	18.88	20.00
		1	14	19.35	19.38	19.37	20.00
	QPSK	8	0	19.33	19.31	19.19	20.00
		8	4	19.34	19.35	19.23	20.00
		8	7	19.34	19.31	19.22	20.00
		15	0	19.38	19.36	19.32	20.00
		1	0	19.64	19.60	19.57	20.00
2001		1	7	19.25	19.50	19.39	20.00
3MHz		1	14	19.62	19.62	19.66	20.00
	16QAM	8	0	19.29	19.31	19.24	20.00
		8	4	19.27	19.30	19.19	20.00
		8	7	19.25	19.27	19.24	20.00
		15	0	19.37	19.33	19.27	20.00
		1	0	19.54	19.51	19.48	20.00
	040444	1	7	19.20	19.44	19.31	20.00
	64QAM	1	14	19.56	19.56	19.58	20.00
		8	0	19.20	19.23	19.16	20.00

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		8	4	19.18	19.23	19.13	20.00
		8	7	19.15	19.21	19.15	20.00
		15	0	19.28	19.24	19.21	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danawiatii	Wodulation	110 3126	ND onset	18625	18900	19175	Turie up
		1	0	19.39	19.34	19.34	20.00
		1	13	19.37	19.38	19.32	20.00
		1	24	19.33	19.36	19.39	20.00
	QPSK	12	0	19.42	19.41	19.34	20.00
		12	6	19.35	19.33	19.34	20.00
		12	13	19.37	19.41	19.36	20.00
		25	0	19.37	19.38	19.34	20.00
		1	0	19.71	19.69	19.66	20.00
		1	13	19.69	19.67	19.60	20.00
		1	24	19.65	19.66	19.66	20.00
5MHz	16QAM	12	0	19.40	19.36	19.35	20.00
		12	6	19.35	19.31	19.29	20.00
		12	13	19.35	19.35	19.32	20.00
		25	0	19.29	19.32	19.27	20.00
		1	0	19.61	19.64	19.57	20.00
		1	13	19.62	19.59	19.52	20.00
		1	24	19.58	19.60	19.57	20.00
	64QAM	12	0	19.33	19.28	19.30	20.00
		12	6	19.27	19.25	19.23	20.00
		12	13	19.28	19.30	19.24	20.00
		25	0	19.22	19.27	19.18	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
Danuwium	Modulation	KD SIZE	KD Ollset	18650	18900	19150	Tune up
		1	0	19.40	19.40	19.39	20.00
		1	25	19.21	19.11	19.14	20.00
		1	49	19.35	19.35	19.34	20.00
	QPSK	25	0	19.37	19.42	19.35	20.00
		25	13	19.34	19.38	19.34	20.00
		25	25	19.36	19.39	19.31	20.00
		50	0	19.39	19.33	19.32	20.00
		1	0	19.63	19.63	19.65	20.00
		1	25	19.24	19.36	19.46	20.00
10MHz		1	49	19.59	19.61	19.65	20.00
	16QAM	25	0	19.35	19.35	19.30	20.00
		25	13	19.27	19.30	19.29	20.00
		25	25	19.28	19.31	19.25	20.00
		50	0	19.31	19.28	19.27	20.00
		1	0	19.55	19.55	19.55	20.00
		1	25	19.18	19.28	19.39	20.00
	64QAM	1	49	19.52	19.53	19.56	20.00
	1						
		25	0	19.28	19.25	19.23	20.00

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	'	25	25	19.23	19.22	19.20	20.00
		50	0	19.24	19.19	19.19	20.00
D	Madulation	DD -:	DD -#+	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	18675	18900	19125	Tune up
		1	0	19.40	19.33	19.33	20.00
		1	38	19.41	19.37	19.37	20.00
		1	74	19.33	19.28	19.32	20.00
	QPSK	36	0	19.41	19.41	19.39	20.00
		36	18	19.40	19.42	19.37	20.00
		36	39	19.38	19.38	19.37	20.00
		75	0	19.37	19.40	19.40	20.00
		1	0	19.67	19.58	19.55	20.00
		1	38	19.69	19.54	19.60	20.00
		1	74	19.58	19.49	19.61	20.00
15MHz	16QAM	36	0	19.39	19.39	19.35	20.00
		36	18	19.30	19.35	19.29	20.00
		36	39	19.35	19.35	19.35	20.00
		75	0	19.31	19.34	19.32	20.00
	1	0	19.60	19.50	19.48	20.00	
		1	38	19.61	19.46	19.55	20.00
		1	74	19.49	19.42	19.52	20.00
	64QAM	36	0	19.30	19.33	19.26	20.00
		36	18	19.24	19.27	19.22	20.00
		36	39	19.27	19.29	19.29	20.00
		75	0	19.24	19.26	19.25	20.00
				Channel	Channel	Channel	
Bandwidth							
_ 3.14.114411	Modulation	RB size	RB offset	18700		19100	Tune u
	Modulation	RB size	0 RB offset		18900 19.54	19100 19.53	
_ 3	Modulation			18700 19.65	18900 19.54	19.53	20.00
_ 3	Modulation	1	0	18700 19.65 19.12	18900		20.00
	Modulation	1	0 50	18700 19.65	18900 19.54 19.06	19.53 19.20	20.00 20.00 20.00
		1 1 1 50	0 50 99	18700 19.65 19.12 19.49 19.44	18900 19.54 19.06 19.38 19.41	19.53 19.20 19.45 19.40	20.00 20.00 20.00 20.00
		1 1 1	0 50 99	18700 19.65 19.12 19.49	18900 19.54 19.06 19.38	19.53 19.20 19.45	20.00 20.00 20.00 20.00 20.00
		1 1 1 50 50 50	0 50 99 0 25 50	18700 19.65 19.12 19.49 19.44 19.36 19.37	18900 19.54 19.06 19.38 19.41 19.37 19.38	19.53 19.20 19.45 19.40 19.32 19.40	20.00 20.00 20.00 20.00 20.00 20.00
		1 1 1 50 50	0 50 99 0 25	18700 19.65 19.12 19.49 19.44 19.36 19.37 19.43	18900 19.54 19.06 19.38 19.41 19.37 19.38 19.39	19.53 19.20 19.45 19.40 19.32 19.40 19.39	20.00 20.00 20.00 20.00 20.00 20.00 20.00
		1 1 1 50 50 50 100	0 50 99 0 25 50 0	18700 19.65 19.12 19.49 19.44 19.36 19.37 19.43 19.77	18900 19.54 19.06 19.38 19.41 19.37 19.38 19.39 19.73	19.53 19.20 19.45 19.40 19.32 19.40 19.39 19.77	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00
		1 1 1 50 50 50 50	0 50 99 0 25 50 0	18700 19.65 19.12 19.49 19.44 19.36 19.37 19.43 19.77 19.33	18900 19.54 19.06 19.38 19.41 19.37 19.38 19.39 19.73 19.30	19.53 19.20 19.45 19.40 19.32 19.40 19.39 19.77 19.35	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00
20MHz	QPSK	1 1 1 50 50 50 100 1	0 50 99 0 25 50 0 0 50	18700 19.65 19.12 19.49 19.44 19.36 19.37 19.43 19.77 19.33 19.69	18900 19.54 19.06 19.38 19.41 19.37 19.38 19.39 19.73 19.30 19.70	19.53 19.20 19.45 19.40 19.32 19.40 19.39 19.77 19.35 19.70	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00
		1 1 1 50 50 50 100 1 1 1 1 50	0 50 99 0 25 50 0 50 99	18700 19.65 19.12 19.49 19.44 19.36 19.37 19.43 19.77 19.33 19.69 19.35	18900 19.54 19.06 19.38 19.41 19.37 19.38 19.39 19.73 19.30 19.70 19.35	19.53 19.20 19.45 19.40 19.32 19.40 19.39 19.77 19.35 19.70 19.35	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00
	QPSK	1 1 50 50 50 100 1 1 1 50 50	0 50 99 0 25 50 0 0 50 99	18700 19.65 19.12 19.49 19.44 19.36 19.37 19.43 19.77 19.33 19.69 19.35 19.29	18900 19.54 19.06 19.38 19.41 19.37 19.38 19.39 19.73 19.30 19.70 19.35 19.31	19.53 19.20 19.45 19.40 19.32 19.40 19.39 19.77 19.35 19.70 19.35 19.29	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00
	QPSK	1 1 50 50 50 100 1 1 1 50 50	0 50 99 0 25 50 0 0 50 99 0 25 50	18700 19.65 19.12 19.49 19.44 19.36 19.37 19.43 19.77 19.33 19.69 19.35 19.29 19.31	18900 19.54 19.06 19.38 19.41 19.37 19.38 19.39 19.73 19.30 19.70 19.35 19.31 19.32	19.53 19.20 19.45 19.40 19.32 19.40 19.39 19.77 19.35 19.70 19.35 19.29 19.33	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00
-G	QPSK	1 1 1 50 50 50 100 1 1 1 1 50 50 50	0 50 99 0 25 50 0 0 50 99 0 25 50	18700 19.65 19.12 19.49 19.44 19.36 19.37 19.43 19.77 19.33 19.69 19.35 19.29 19.31 19.34	18900 19.54 19.06 19.38 19.41 19.37 19.38 19.39 19.73 19.30 19.70 19.35 19.31 19.32 19.29	19.53 19.20 19.45 19.40 19.32 19.40 19.39 19.77 19.35 19.70 19.35 19.29 19.33 19.32	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00
-G	QPSK	1 1 1 50 50 50 100 1 1 1 50 50 50 50	0 50 99 0 25 50 0 0 50 99 0 25 50 0	18700 19.65 19.12 19.49 19.44 19.36 19.37 19.43 19.77 19.33 19.69 19.35 19.29 19.31 19.34 19.71	18900 19.54 19.06 19.38 19.41 19.37 19.38 19.39 19.73 19.30 19.70 19.35 19.31 19.32 19.29 19.66	19.53 19.20 19.45 19.40 19.32 19.40 19.39 19.77 19.35 19.70 19.35 19.29 19.33 19.32 19.68	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00
AG	QPSK 16QAM	1 1 50 50 50 100 1 1 1 50 50 50 100 1	0 50 99 0 25 50 0 0 50 99 0 25 50 0	18700 19.65 19.12 19.49 19.44 19.36 19.37 19.43 19.77 19.33 19.69 19.35 19.29 19.31 19.34 19.71 19.27	18900 19.54 19.06 19.38 19.41 19.37 19.38 19.39 19.73 19.30 19.70 19.35 19.31 19.32 19.29 19.66 19.23	19.53 19.20 19.45 19.40 19.32 19.40 19.39 19.77 19.35 19.70 19.35 19.29 19.33 19.32 19.68 19.30	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00
AG	QPSK	1 1 1 50 50 50 100 1 1 1 50 50 50 100 1 1 1 1	0 50 99 0 25 50 0 0 50 99 0 25 50 0 0 50 99	18700 19.65 19.12 19.49 19.44 19.36 19.37 19.43 19.77 19.33 19.69 19.35 19.29 19.31 19.34 19.71 19.27 19.62	18900 19.54 19.06 19.38 19.41 19.37 19.38 19.39 19.73 19.30 19.70 19.35 19.31 19.32 19.29 19.66 19.23 19.61	19.53 19.20 19.45 19.40 19.32 19.40 19.39 19.77 19.35 19.70 19.35 19.29 19.33 19.32 19.68 19.30 19.64	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00
6	QPSK 16QAM	1 1 50 50 50 100 1 1 1 50 50 50 100 1	0 50 99 0 25 50 0 0 50 99 0 25 50 0	18700 19.65 19.12 19.49 19.44 19.36 19.37 19.43 19.77 19.33 19.69 19.35 19.29 19.31 19.34 19.71 19.27	18900 19.54 19.06 19.38 19.41 19.37 19.38 19.39 19.73 19.30 19.70 19.35 19.31 19.32 19.29 19.66 19.23	19.53 19.20 19.45 19.40 19.32 19.40 19.39 19.77 19.35 19.70 19.35 19.29 19.33 19.32 19.68 19.30	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00

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100	0	19.28	19.21	19.22	20.00	

I TE F	Band 4 Receive	er on(l eft he	ead)		Conducted	Power(dBm)	
	Jana + Necerve	on Control	.au,		•	, ,	1
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
		1	0	20.04	20.11	19.95	21.00
		1	2	20.35	19.49	20.15	21.00
		1	5	20.02	20.15	20.06	21.00
	QPSK	3	0	20.05	20.00	19.95	21.00
	QI OIL	3	2	20.02	19.86	20.00	21.00
		3	3	19.78	19.90	19.85	21.00
		6	0	19.89	20.00	19.62	21.00
		1	0	20.49	20.48	20.55	21.00
		1	2	20.01	20.47	20.08	21.00
		1	5	20.23	20.20	20.13	21.00
1.4MHz	16QAM	3	0	19.83	19.86	19.85	21.00
	100,	3	2	20.16	20.28	19.10	21.00
		3	3	20.21	19.87	19.54	21.00
		6	0	19.98	20.36	20.02	21.00
		1	0	20.43	20.40	20.45	21.00
		1	2	19.96	20.37	19.99	21.00
		1	5	20.16	20.13	20.08	21.00
	64QAM	3	0	19.75	19.78	19.77	21.00
		3	2	20.08	20.21	19.03	21.00
		3	3	20.13	19.77	19.45	21.00
		6	0	19.89	20.30	19.96	21.00
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	19965	20175	20385	Tune up
		1	0	19.98	20.06	20.08	21.00
		1	7	19.49	19.84	19.74	21.00
		1	14	19.95	20.21	20.07	21.00
	QPSK	8	0	20.05	19.93	19.69	21.00
		8	4	20.05	19.75	19.57	21.00
		8	7	19.99	20.08	19.98	21.00
		15	0	20.13	20.17	20.05	21.00
		1	0	20.46	20.18	20.42	21.00
		1	7	20.42	19.64	19.70	21.00
3MHz		1	14	20.36	20.07	20.02	21.00
	16QAM	8	0	20.01	19.89	20.14	21.00
		8	4	20.14	20.10	20.03	21.00
		8	7	20.00	19.85	20.07	21.00
		15	0	19.93	19.94	19.97	21.00
		1	0	20.37	20.12	20.33	21.00
	0.40.11	1	7	20.36	19.56	19.61	21.00
	64QAM	1	14	20.26	20.01	19.96	21.00
		8	0	19.96	19.79	20.06	21.00

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	1						
		8	4	20.04	20.02	19.96	21.00
		8	7	19.92	19.75	19.99	21.00
		15	0	19.84	19.87	19.92	21.00
Bandwidth	Modulation	DD size	RB offset	Channel	Channel	Channel	Tungun
Danawiath	Modulation	RB size	KD Ollset	19975	20175	20375	Tune up
		1	0	20.20	20.11	20.20	21.00
		1	13	20.07	20.07	20.15	21.00
		1	24	19.98	20.11	20.04	21.00
	QPSK	12	0	20.12	20.17	20.17	21.00
		12	6	19.98	20.18	20.10	21.00
		12	13	20.15	20.08	20.06	21.00
		25	0	20.14	20.08	19.99	21.00
		1	0	20.66	20.08	20.72	21.00
		1	13	20.60	20.52	20.30	21.00
		1	24	20.06	20.20	20.14	21.00
5MHz	16QAM	12	0	20.28	20.11	20.08	21.00
		12	6	20.01	20.09	19.94	21.00
	1	12	13	20.01	20.11	20.00	21.00
		25	0	20.03	19.91	20.09	21.00
		1	0	20.61	20.03	20.64	21.00
		1	13	20.54	20.43	20.25	21.00
		1	24	19.99	20.15	20.08	21.00
	64QAM	12	0	20.20	20.04	20.00	21.00
		12	6	19.93	20.02	19.89	21.00
	N.	12	13	19.96	20.05	19.92	21.00
		25	0	19.94	19.81	20.01	21.00
Donalusiath	Modulation	DD size	DD offeet	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	20000	20175	20350	Tune up
		1	0	20.06	20.21	20.19	21.00
		1	25	19.10	19.65	19.60	21.00
		1	49	20.06	20.14	20.06	21.00
	QPSK	25	0	20.06	20.22	20.14	21.00
		25	13	20.19	20.16	19.97	21.00
		25	25	20.09	20.10	20.17	21.00
		50	0	20.16	20.03	20.05	21.00
		1	0	20.33	20.42	20.45	21.00
		1	25	19.61	20.25	20.76	21.00
10MHz		1	49	20.57	20.08	20.46	21.00
	16QAM	25	0	20.06	20.13	20.11	21.00
		25	13	20.20	20.00	20.10	21.00
		25	25	20.01	20.06	19.93	21.00
		50	0	20.05	20.03	19.99	21.00
		1	0	20.26	20.35	20.39	21.00
		1	25	19.55	20.20	20.69	21.00
	64QAM	1	49	20.48	20.00	20.40	21.00
		25	0	20.00	20.08	20.04	21.00
		25	13	20.14	19.90	20.03	21.00

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		25	25	19.93	19.99	19.87	21.00
		50	0	19.99	19.94	19.93	21.00
			55 "	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20025	20175	20325	Tune up
		1	0	19.93	20.24	19.97	21.00
		1	38	20.04	20.04	20.07	21.00
		1	74	19.96	19.96	19.98	21.00
	QPSK	36	0	20.13	20.11	20.11	21.00
		36	18	20.13	20.07	20.20	21.00
		36	39	20.06	20.06	20.15	21.00
		75	0	20.04	20.14	20.10	21.00
		1	0	20.09	20.80	20.25	21.00
		1	38	20.46	20.52	20.46	21.00
		1	74	20.39	20.39	20.22	21.00
15MHz	16QAM	36	0	20.06	20.05	20.07	21.00
		36	18	20.09	19.97	20.06	21.00
		36	39	19.99	20.12	19.97	21.00
		75	0	19.96	20.08	20.04	21.00
		1.	0	20.01	20.72	20.20	21.00
		1	38	20.38	20.43	20.36	21.00
	64QAM	1	74	20.31	20.33	20.16	21.00
		36	0	20.01	19.99	19.99	21.00
		36	18	20.02	19.92	19.97	21.00
		36	39	19.93	20.05	19.90	21.00
		75	0	19.87	20.00	19.94	21.00
5 1 1 11		55 :	55 " .	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20050	20175	20300	Tune up
	QPSK	1	0	20.28	20.11	20.25	21.00
		1	50	19.92	20.10	19.86	21.00
		1	99	20.19	19.96	20.07	21.00
		50	0	20.18	20.08	20.13	21.00
		50	25	20.06	20.01	20.05	21.00
		50	50	20.04	20.05	20.02	21.00
		100	0	20.10	20.00	20.01	21.00
	16QAM	1	0	20.70	20.47	20.60	21.00
		1	50	20.28	20.16	20.86	21.00
Canan		1	99	20.32	20.15	20.22	21.00
20MHz		50	0	19.94	19.98	20.07	21.00
		50	25	19.82	19.95	19.99	21.00
		50	50	19.79	19.88	20.05	21.00
		100	0	20.04	20.02	20.01	21.00
	64QAM	1	0	20.61	20.41	20.50	21.00
		1	50	20.20	20.11	20.79	21.00
		1	99	20.25	20.06	20.13	21.00
		50	0	19.88	19.89	19.99	21.00
			-				
		50	25	19.77	19.88	19.90	21.00

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100	0	19.97	19.95	19.93	21.00	
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LTE Band 4 Receiver on(Right head)			Conducted Power(dBm)				
Dan dwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung un
Bandwidth	Modulation	ND SIZE	KD Ollset	19957	20175	20393	Tune up
		1	0	18.19	18.15	18.02	19.00
		1	2	17.33	18.15	17.55	19.00
		1	5	18.02	18.06	18.09	19.00
	QPSK	3	0	17.96	18.04	17.98	19.00
		3	2	18.04	17.58	18.16	19.00
		3	3	17.89	18.23	18.15	19.00
		6	0	17.56	17.94	17.96	19.00
		1	0	18.32	18.53	18.56	19.00
		1	2	17.32	18.01	18.33	19.00
		1	5	18.45	18.34	18.12	19.00
1.4MHz	16QAM	3	0	18.30	18.00	18.06	19.00
		3	2	18.23	17.47	18.43	19.00
		3	3	17.95	17.93	17.87	19.00
		6	0	17.87	17.84	18.28	19.00
		1	0	18.23	18.45	18.51	19.00
		1	2	17.25	17.95	18.27	19.00
	64QAM	1	5	18.35	18.27	18.06	19.00
		3	0	18.22	17.92	18.01	19.00
		3	2	18.14	17.40	18.38	19.00
		3	3	17.90	17.87	17.77	19.00
		6	0	17.79	17.75	18.19	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Balluwiutii			KD Ollset	19965	20175	20385	
		1	0	18.02	18.12	18.09	19.00
		1	7	17.34	17.80	17.92	19.00
		1	14	18.06	18.13	18.02	19.00
	QPSK	8	0	18.15	17.78	17.85	19.00
		8	4	17.92	18.05	18.15	19.00
		8	7	17.93	17.92	18.03	19.00
		15	0	17.99	18.02	18.07	19.00
		1	0	17.82	18.46	18.48	19.00
3MHz	16QAM	1	7	17.97	18.00	17.22	19.00
		1	14	18.34	17.94	18.57	19.00
		8	0	17.87	18.17	18.07	19.00
	[8	4	17.88	18.12	18.17	19.00
		8	7	17.93	17.90	18.16	19.00
		15	0	17.82	18.12	18.14	19.00
		1	0	17.75	18.39	18.42	19.00
	64QAM	1	7	17.90	17.91	17.16	19.00
		1	14	18.28	17.88	18.50	19.00
		8	0	17.79	18.10	18.02	19.00

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Bandwidth RB size RB offset 17.81 18.04 18.11 19.00 19.00 17.72 18.06 18.06 19.00 19	140							
Bandwidth Modulation RB size RB offset 19975 20175 20375 18.06 19.00 18.08 17.99 18.12 19.00 18.08 17.99 18.12 19.00 18.08 17.99 18.12 19.00 18.08 18.08 18.04 19.00 18.08 18.08 18.04 19.00 18.08 18.08 18.04 19.00 18.08 18.08 18.04 19.00 12.00 18.13 18.09 18.09 19.00 12.00 18.13 18.09 18.09 19.00 12.00 18.13 18.09 18.09 19.00 12.00 18.03 18.12 18.08 19.00 18.09 18.09 19.00 18.09 18.09 19.00 18.09 18.09 19.00 18.09 18.09 19.00 18.09 18.09 19.00 18.09 18.09 19.00 18.09 18.09 19.00 18.09 18.09 19.00 19.00 12.00 18.04 18.02 18.06 19.00 12.00 18.04 18.02 18.07 19.00 19.00 12.00 18.09 17.98 17.96 19.00 12.00 18.04 18.07 18.07 19.00 19.00 18.00 17.96 19.00 19.00 19.00 19.00 18.00 17.96 19.00			8	4	17.81	18.04	18.11	19.00
Bandwidth Modulation RB size RB offset 19975 20175 20375			8	7	17.88	17.82	18.10	19.00
Modulation RB size RB offset 19975 20175 20375 10ne up 1			15	0	17.72	18.06	18.06	19.00
1	Dondwidth	Modulation	DD size	DD offeet	Channel	Channel	Channel	Tungun
Career C	Bandwidth	Modulation	RB SIZE	RB ollset	19975	20175	20375	Tune up
OPSK			1	0	18.08	17.99	18.12	19.00
Part			1	13	18.24	18.13	18.06	19.00
Table Tabl			1	24	18.13	18.08	18.04	19.00
Table Tabl		QPSK	12	0	18.13	18.09	18.09	19.00
SMHz			12	6	18.11	18.08	18.03	19.00
Table			12	13	18.03	18.12	18.08	19.00
Table Tabl			25	0	18.04	18.07	18.02	19.00
1			1	0	18.49	18.57	18.34	19.00
Table Tabl			1	13	18.35	18.34	18.24	19.00
12			1	24	18.44	18.22	18.56	19.00
12	5MHz	16QAM	12	0	18.08	18.07	18.07	19.00
Bandwidth Modulation RB size RB offset			12	6	17.89	18.00	17.96	19.00
1			12	13	18.09	17.98	17.96	19.00
1			25	0	18.06	17.96	17.93	19.00
Bandwidth 12			1	0	18.44	18.48	18.29	19.00
Bandwidth 12		64QAM	1	13	18.25	18.38	18.19	19.00
12 6 17.83 17.92 17.87 19.00 12 13 18.03 17.92 17.90 19.00 25 0 18.00 17.89 17.85 19.00 26 RB offset Channel Channel Channel 20000 20175 20350 Tune up 1 0 18.15 18.10 18.11 19.00 1 49 17.96 17.96 18.03 19.00 25 13 18.00 18.09 18.09 19.00 25 25 18.06 18.05 18.26 19.00 1 25 18.33 18.34 17.77 19.00 1 49 18.46 18.42 18.12 19.00 1 49 18.46 18.42 18.12 19.00 1 25 13 17.93 18.06 18.01 19.00 25 25 18.02 17.96 18.02 19.00 25 25 18.02 17.96 18.02 19.00 25 25 18.02 17.96 18.02 19.00 25 25 18.02 17.96 18.02 19.00 25 25 18.02 17.96 18.02 19.00 1 0 18.28 18.47 17.77 19.00 1 0 18.28 18.47 17.77 19.00 1 0 18.28 18.47 17.77 19.00 1 0 18.28 18.47 17.77 19.00 1 25 18.33 18.37 17.69 19.00			1	24	18.35	18.13	18.50	19.00
12			12	0	18.02	17.98	17.98	19.00
Bandwidth Modulation RB size RB offset Channel Channel Channel Channel Channel 20000 20175 20350 Tune up			12	6	17.83	17.92	17.87	19.00
Bandwidth Modulation RB size RB offset Channel 20000 20175 20350 20350 Tune up 20000 20175 20350 1 0 18.15 18.10 18.11 19.00 19.			12	13	18.03	17.92	17.90	19.00
1			25	0	18.00	17.89	17.85	19.00
10MHz 1 0 18.15 18.10 18.11 19.00 1 25 17.43 18.39 17.90 19.00 1 49 17.96 17.96 18.03 19.00 25 0 17.97 18.06 18.09 18.09 19.00 25 13 18.00 18.09 18.09 19.00 25 25 18.06 18.05 18.26 19.00 50 0 18.07 18.04 18.10 19.00 1 0 18.38 18.56 17.82 19.00 1 0 18.38 18.56 17.82 19.00 1 0 18.38 18.42 18.12 19.00 25 13 17.93 18.06 18.01 19.00 25 13 17.93 18.02 17.99 19.00 25 25 18.02 17.96 18.02 19.00 50 0 17.97 17.93 17.95 19.00 1 0 18.28 18.47 17.77 19.00	Dondwidth	Madulatian	RR size	RR offset	Channel	Channel	Channel	Tuna un
1 25 17.43 18.39 17.90 19.00 1 49 17.96 17.96 18.03 19.00 25 0 17.97 18.06 18.07 19.00 25 13 18.00 18.09 18.09 19.00 25 25 18.06 18.05 18.26 19.00 50 0 18.07 18.04 18.10 19.00 1 25 18.33 18.34 17.77 19.00 1 49 18.46 18.42 18.12 19.00 1 49 18.46 18.42 18.12 19.00 25 13 17.93 18.06 18.01 19.00 25 13 17.93 18.02 17.99 19.00 50 0 17.97 17.93 17.95 19.00 1 0 18.28 18.47 17.77 19.00 1 0 18.28 18.47 17.77 19.00	Dandwidth	Modulation	KD SIZE	KD Ollset	20000	20175	20350	rune up
1 49 17.96 17.96 18.03 19.00 25 0 17.97 18.06 18.07 19.00 25 13 18.00 18.09 18.09 19.00 25 25 18.06 18.05 18.26 19.00 50 0 18.07 18.04 18.10 19.00 1 0 18.38 18.56 17.82 19.00 1 25 18.33 18.34 17.77 19.00 1 49 18.46 18.42 18.12 19.00 25 13 17.93 18.06 18.01 19.00 25 25 13 17.93 18.02 17.99 19.00 25 25 18.02 17.96 18.02 19.00 50 0 17.97 17.93 17.95 19.00 1 0 18.28 18.47 17.77 19.00 1 0 18.28 18.37 17.69 19.00		QPSK	1	0	18.15	18.10	18.11	19.00
QPSK 25 0 17.97 18.06 18.07 19.00 25 13 18.00 18.09 18.09 19.00 25 25 18.06 18.05 18.26 19.00 50 0 18.07 18.04 18.10 19.00 1 0 18.38 18.56 17.82 19.00 1 25 18.33 18.34 17.77 19.00 1 49 18.46 18.42 18.12 19.00 25 0 18.08 18.06 18.01 19.00 25 13 17.93 18.02 17.99 19.00 25 25 18.02 17.96 18.02 19.00 50 0 17.97 17.93 17.95 19.00 1 0 18.28 18.47 17.77 19.00 1 25 18.33 18.37 17.69 19.00			1	25	17.43	18.39	17.90	19.00
10MHz 16QAM 25 13 18.00 18.09 18.09 19.00 25 25 18.06 18.05 18.26 19.00 50 0 18.07 18.04 18.10 19.00 1 0 18.38 18.56 17.82 19.00 1 25 18.33 18.34 17.77 19.00 1 49 18.46 18.42 18.12 19.00 25 0 18.08 18.06 18.01 19.00 25 13 17.93 18.02 17.99 19.00 25 25 18.02 17.96 18.02 19.00 50 0 17.97 17.93 17.95 19.00 1 0 18.28 18.47 17.77 19.00 1 0 18.28 18.37 17.69 19.00			1	49	17.96	17.96	18.03	19.00
10MHz 25			25	0	17.97	18.06	18.07	19.00
10MHz 1 0 18.07 18.04 18.10 19.00 1 0 18.38 18.56 17.82 19.00 1 25 18.33 18.34 17.77 19.00 1 49 18.46 18.42 18.12 19.00 25 0 18.08 18.06 18.01 19.00 25 13 17.93 18.02 17.99 19.00 25 25 18.02 17.96 18.02 19.00 50 0 17.97 17.93 17.95 19.00 1 0 18.28 18.47 17.77 19.00 1 0 18.28 18.37 17.69 19.00			25	13	18.00	18.09	18.09	19.00
1 0 18.38 18.56 17.82 19.00 1 25 18.33 18.34 17.77 19.00 1 49 18.46 18.42 18.12 19.00 25 0 18.08 18.06 18.01 19.00 25 13 17.93 18.02 17.99 19.00 25 25 18.02 17.96 18.02 19.00 50 0 17.97 17.93 17.95 19.00 1 0 18.28 18.47 17.77 19.00 1 25 18.33 18.37 17.69 19.00			25	25	18.06	18.05	18.26	19.00
10MHz 1 25 18.33 18.34 17.77 19.00 1 49 18.46 18.42 18.12 19.00 25 0 18.08 18.06 18.01 19.00 25 13 17.93 18.02 17.99 19.00 25 25 18.02 17.96 18.02 19.00 50 0 17.97 17.93 17.95 19.00 1 0 18.28 18.47 17.77 19.00 1 25 18.33 18.37 17.69 19.00			50	0	18.07	18.04	18.10	19.00
10MHz 1 49 18.46 18.42 18.12 19.00 25 0 18.08 18.06 18.01 19.00 25 13 17.93 18.02 17.99 19.00 25 25 18.02 17.96 18.02 19.00 50 0 17.97 17.93 17.95 19.00 1 0 18.28 18.47 17.77 19.00 1 25 18.33 18.37 17.69 19.00	Cal		1	0	18.38	18.56	17.82	19.00
16QAM 25 0 18.08 18.06 18.01 19.00 25 13 17.93 18.02 17.99 19.00 25 25 18.02 17.96 18.02 19.00 50 0 17.97 17.93 17.95 19.00 1 0 18.28 18.47 17.77 19.00 1 25 18.33 18.37 17.69 19.00	10MHz	16QAM	1	25	18.33	18.34	17.77	19.00
25 13 17.93 18.02 17.99 19.00 25 25 18.02 17.96 18.02 19.00 50 0 17.97 17.93 17.95 19.00 1 0 18.28 18.47 17.77 19.00 1 25 18.33 18.37 17.69 19.00			1	49	18.46	18.42	18.12	19.00
25 25 18.02 17.96 18.02 19.00 50 0 17.97 17.93 17.95 19.00 1 0 18.28 18.47 17.77 19.00 1 25 18.33 18.37 17.69 19.00			25	0	18.08	18.06	18.01	19.00
25 25 18.02 17.96 18.02 19.00 50 0 17.97 17.93 17.95 19.00 1 0 18.28 18.47 17.77 19.00 1 25 18.33 18.37 17.69 19.00			25	13	17.93	18.02	17.99	
50 0 17.97 17.93 17.95 19.00 1 0 18.28 18.47 17.77 19.00 1 25 18.33 18.37 17.69 19.00			25	25	18.02	17.96	18.02	
1 0 18.28 18.47 17.77 19.00 1 25 18.33 18.37 17.69 19.00					17.97			19.00
1 25 18.33 18.37 17.69 19.00			1	0	18.28			
			1	25			17.69	
64QAM 1 49 18.38 18.36 18.06 19.00		64QAM	1	49	18.38	18.36	18.06	19.00
25 0 18.00 17.96 17.95 19.00		·						
25 13 17.86 17.95 17.94 19.00								

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		25	25	17.96	17.91	17.96	19.00
		50	0	17.90	17.84	17.86	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	•
		1	0	18.08	18.19	18.03	19.00
		1	38	18.15	18.08	17.97	19.00
		1	74	17.98	18.02	17.90	19.00
	QPSK	36	0	18.09	18.15	18.06	19.00
		36	18	17.99	18.00	18.08	19.00
		36	39	18.03	17.99	18.01	19.00
		75	0	18.15	18.06	18.11	19.00
		1	0	18.21	18.16	18.31	19.00
		1	38	18.21	18.30	18.17	19.00
		1	74	18.31	17.74	18.23	19.00
15MHz	16QAM	36	0	18.00	18.05	17.98	19.00
		36	18	18.06	18.05	17.99	19.00
		36	39	17.98	17.97	17.98	19.00
		75	0	17.94	18.06	17.99	19.00
		1	0	18.14	18.07	18.22	19.00
		1	38	18.14	18.22	18.12	19.00
		1	74	18.26	17.67	18.15	19.00
	64QAM	36	0	17.92	17.97	17.92	19.00
		36	18	17.98	17.99	17.94	19.00
		36	39	17.90	17.88	17.89	19.00
		75	0	17.85	17.98	17.93	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Dandwidth	Modulation	IVD SIZE	IND Offset	20050	20175	20300	rune up
		1	0	18.26	18.07	18.18	19.00
		1	50	17.36	17.78	17.67	19.00
		1	99	18.13	18.05	18.17	19.00
	QPSK	50	0	18.08	18.07	18.04	19.00
		50	25	18.12	18.09	18.08	19.00
		50	50	18.05	18.04	18.00	19.00
		100	0	18.09	18.01	18.08	19.00
		1	0	18.38	18.34	18.33	19.00
		1	50	17.95	18.32	17.86	19.00
20MHz		1	99	18.20	18.18	18.58	19.00
			•	17.95	17.99	18.04	19.00
ZUIVITZ	16QAM	50	0	17.95	17.00		
ZUIVITZ	16QAM	50 50	25	18.07	17.91	17.96	19.00
ZUNITZ	16QAM						
ZUNINZ	16QAM	50	25	18.07	17.91	17.96	19.00
ZUWINZ	16QAM	50 50	25 50	18.07 17.94	17.91 17.96	17.96 18.02	19.00 19.00
ZUMITZ	16QAM	50 50 100	25 50 0	18.07 17.94 18.00	17.91 17.96 18.02	17.96 18.02 18.03	19.00 19.00 19.00
ZUMITZ		50 50 100 1	25 50 0 0	18.07 17.94 18.00 18.32	17.91 17.96 18.02 18.38	17.96 18.02 18.03 18.26	19.00 19.00 19.00 19.00
ZUNITZ	16QAM 64QAM	50 50 100 1	25 50 0 0 50	18.07 17.94 18.00 18.32 17.87	17.91 17.96 18.02 18.38 18.33	17.96 18.02 18.03 18.26 17.77	19.00 19.00 19.00 19.00 19.00
ZUMITZ		50 50 100 1 1 1	25 50 0 0 50 99	18.07 17.94 18.00 18.32 17.87 18.10	17.91 17.96 18.02 18.38 18.33 18.12	17.96 18.02 18.03 18.26 17.77 18.27	19.00 19.00 19.00 19.00 19.00

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100 0 17.93 17.95 17.96 19.00

LTE B	and 4 Receiver	off (Body So	ene)		Conducted F	Power(dBm)	
Danaduui altib	Modulation	DD oizo	RB offset	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	KD Ollset	19957	20175	20393	Tune up
		1	0	22.45	22.46	22.42	23.50
	ĺ	1	2	22.29	22.21	22.63	23.50
		1	5	22.46	22.33	22.47	23.50
	QPSK	3	0	22.34	22.46	21.43	23.50
		3	2	22.27	21.81	21.51	23.50
		3	3	22.51	22.34	21.57	23.50
		6	0	21.58	21.21	21.53	23.00
		1	0	21.89	21.63	21.80	23.00
		1	2	21.42	21.24	21.39	23.00
		1	5	21.36	21.37	21.49	23.00
1.4MHz	16QAM	3	0	21.49	21.44	20.46	23.00
		3	2	21.03	20.35	20.55	23.00
		3	3	21.40	21.22	20.52	23.00
		6	0	20.50	20.26	20.49	22.00
		1	0	20.94	20.65	20.85	22.00
		1	2	20.46	20.33	20.48	22.00
		1	5	20.37	20.40	20.50	22.00
	64QAM	3	0	20.57	20.48	19.48	22.00
		3	2	20.08	19.43	19.65	22.00
		3	3	20.48	20.25	19.52	22.00
		6	0	19.56	19.31	19.57	21.00
D I I/I	Mad Jacks	DD -: -	DD - # 1	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	19965	20175	20385	Tune up
		1	0	22.36	22.54	22.42	23.50
		1	7	22.15	22.11	22.63	23.50
		1	14	22.44	22.43	22.47	23.50
	QPSK	8	0	21.40	21.57	21.43	23.00
		8	4	21.51	21.39	21.51	23.00
		8	7	21.37	21.33	21.57	23.00
		15	0	21.46	21.44	21.53	23.00
		1	0	21.74	20.96	21.80	23.00
0.0011		1	7	21.31	21.54	21.39	23.00
3MHz		1	14	21.93	21.35	21.49	23.00
	16QAM	8	0	20.45	20.35	20.46	22.00
		8	4	20.04	20.35	20.55	22.00
		8	7	20.23	20.54	20.52	22.00
		15	0	20.19	20.43	20.49	22.00
		1	0	20.80	20.05	20.83	22.00
		1	7	20.40	20.57	20.45	22.00
	64QAM	1	14	20.96	20.40	20.53	22.00
	1	8	-		19.37		

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		8	4	19.04	19.40	19.57	21.00
		8	7	19.25	19.59	19.53	21.00
		15	0	19.25	19.48	19.58	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danuwium	Modulation	ND SIZE	KD 011561	19975	20175	20375	Turie up
		1	0	22.44	22.43	22.38	23.50
		1	13	22.44	22.52	22.47	23.50
		1	24	22.61	22.24	22.42	23.50
	QPSK	12	0	21.46	21.51	21.54	23.00
		12	6	21.51	21.51	21.39	23.00
		12	13	21.48	21.45	21.50	23.00
		25	0	21.45	21.38	21.48	23.00
		1	0	22.02	21.79	21.52	23.00
		1	13	21.50	21.84	21.45	23.00
		1	24	21.86	21.48	21.25	23.00
5MHz	16QAM	12	0	20.44	20.58	20.37	22.00
		12	6	20.30	20.35	20.32	22.00
		12	13	20.39	20.35	20.42	22.00
		25	0	20.42	20.25	20.47	22.00
		1	0	21.09	20.88	20.60	22.00
		1	13	20.52	20.89	20.51	22.00
		1	24	20.95	20.51	20.29	22.00
	64QAM	12	0	19.52	19.67	19.46	21.00
		12	6	19.31	19.45	19.35	21.00
		12	13	19.48	19.37	19.49	21.00
		25	0	19.50	19.27	19.51	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Balluwiutii	Modulation	ND SIZE	ND onset	20000	20175	20350	Turie up
		1	0	22.62	22.54	22.40	23.50
		1	25	22.37	22.52	22.58	23.50
		10	49	22.53	22.32	22.42	23.50
	QPSK	25	0	21.40	21.42	21.51	23.00
		25	13	21.40	21.50	21.50	23.00
		25	25	21.52	21.37	21.46	23.00
		50	0	21.49	21.45	21.54	23.00
		1	0	21.56	21.84	21.86	23.00
		1	25	21.26	21.77	21.73	23.00
10MHz		1	49	21.52	21.58	21.58	23.00
	16QAM	25	0	20.38	20.37	20.33	22.00
		25	13	20.38	20.43	20.35	22.00
		25	25	20.44	20.30	20.39	22.00
		50	0	20.38	20.34	20.36	22.00
		1	0	20.59	20.87	20.90	22.00
		1	25	20.31	20.84	20.74	22.00
	i						
	64QAM	1	49	20.57	20.63	20.67	22.00
	64QAM	1 25	49 0	20.57 19.47	20.63 19.43	19.39	22.00

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		25	25	19.46	19.38	19.45	21.00
		50	0	19.44	19.37	19.43	21.00
		00		Channel	Channel	Channel	21.00
Bandwidth	Modulation	RB size	RB offset	20025	20175	20325	Tune up
		1	0	22.42	22.56	22.44	23.50
		1	38	22.40	22.52	22.40	23.50
		1	74	22.38	22.32	22.43	23.50
	QPSK	36	0	21.55	21.51	21.45	23.00
		36	18	21.53	21.40	21.53	23.00
		36	39	21.56	21.48	21.54	23.00
		75	0	21.49	21.45	21.49	23.00
		1	0	21.69	21.93	21.65	23.00
		1	38	21.94	21.71	21.81	23.00
		1	74	21.60	21.75	21.43	23.00
15MHz	16QAM	36	0	20.47	20.43	20.44	22.00
		36	18	20.45	20.46	20.38	22.00
		36	39	20.42	20.46	20.50	22.00
		75	0	20.44	20.38	20.47	22.00
		1	0	20.75	20.99	20.67	22.00
		1	38	20.97	20.78	20.89	22.00
		1	74	20.70	20.80	20.48	22.00
	64QAM	36	0	19.48	19.45	19.53	21.00
		36	18	19.48	19.52	19.45	21.00
		36	39	19.52	19.46	19.52	21.00
		75	0	19.53	19.44	19.53	21.00
Dan abodalda	Madulatian	DD -:	DD -#+	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20050	20175	20300	Tune up
		1	0	22.56	22.70	22.53	23.50
		1	50	22.35	22.18	22.58	23.50
		1	99	22.63	22.50	22.53	23.50
	QPSK	50	0	21.59	21.54	21.46	23.00
		50	25	21.51	21.51	21.45	23.00
		50	50	21.40	21.43	21.43	23.00
		100	0	21.49	21.46	21.40	23.00
		1	0	21.80	21.38	22.03	23.00
		1	50	21.61	21.62	21.58	23.00
20MU-		1	99	21.80	21.77	21.68	23.00
20MHz	16QAM	50	0	20.44	20.40	20.39	22.00
		50	25	20.42	20.30	20.50	22.00
		50	50	20.39	20.30	20.41	22.00
		100	0	20.36	20.41	20.35	22.00
		1	0	20.81	20.45	21.07	22.00
		1	50	20.68	20.66	20.65	22.00
			99	20.88	20.81	20.71	22.00
	640014	1	33	<u> </u>			
	64QAM	50	0	19.48	19.49	19.48	21.00
	64QAM				19.49 19.36	19.48 19.52	

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100 0 19.36 19.42 19.38 21.00

			-				
LTE Band 4 F	Receiver on(Let on		i on/Hotspot		Conducted F	ower(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
		1	0	16.80	16.74	16.70	18.00
		1	2	16.41	16.26	16.29	18.00
		1	5	16.63	16.68	16.59	18.00
	QPSK	3	0	16.66	16.56	16.56	18.00
	QI SIX	3	2	16.56	16.50	16.44	18.00
		3	3	16.49	16.47	16.53	18.00
		6	0	16.61	16.67	16.56	18.00
		1	0	16.94	17.01	17.03	18.00
		1	2	16.90	16.67	16.60	18.00
		1	5	16.94	16.70	16.97	18.00
1.4MHz	16QAM	3	0	16.59	16.76	16.51	18.00
1.7141112	IOQAW	3	2	16.52	16.44	16.49	18.00
		3	3	16.47	16.37	16.45	18.00
		6	0	16.55	16.45	16.44	18.00
		1	0	16.89	16.96	16.95	18.00
		1	2	16.82	16.61	16.53	18.00
		1	5	16.87	16.63	16.90	18.00
	64QAM	3	0	16.52	16.49	16.42	18.00
	0+QAIVI	3	2	16.42	16.38	16.41	18.00
		3	3	16.40	16.29	16.37	18.00
		6	0	16.48	16.36	16.37	18.00
		0	O O	Channel	Channel	Channel	18.00
Bandwidth	Modulation	RB size	RB offset	19965	20175	20385	Tune up
		1	0	16.88	16.81	16.76	18.00
		1	7	16.46	16.35	16.38	18.00
		1	14	16.69	16.77	16.68	18.00
	QPSK	8	0	16.71	16.61	16.61	18.00
		8	4	16.64	16.60	16.52	18.00
		8	7	16.58	16.53	16.58	18.00
		15	0	16.70	16.73	16.62	18.00
7		1	0	17.02	17.06	17.09	18.00
0.0011		1	7	16.98	16.77	16.68	18.00
3MHz		1	14	17.03	16.80	17.02	18.00
	16QAM	8	0	16.65	16.65	16.60	18.00
		8	4	16.58	16.51	16.55	18.00
		8	7	16.52	16.47	16.53	18.00
		15	0	16.61	16.54	16.52	18.00
		1	0	16.92	17.00	17.02	18.00
	0.40.1.1	1	7	16.91	16.70	16.61	18.00
	64QAM	1	14	16.96	16.72	16.97	18.00
		8	0	16.55	16.57	16.54	18.00

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100							
		8	4	16.50	16.45	16.46	18.00
		8	7	16.45	16.39	16.45	18.00
		15	0	16.53	16.46	16.45	18.00
Donducidth	Modulation	DP oizo	DD offeet	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	19975	20175	20375	Tune up
		1	0	16.97	16.88	16.83	18.00
		1	13	16.55	16.45	16.48	18.00
		1	24	16.78	16.83	16.77	18.00
	QPSK	12	0	16.79	16.70	16.68	18.00
		12	6	16.70	16.66	16.60	18.00
		12	13	16.66	16.60	16.64	18.00
		25	0	16.76	16.79	16.68	18.00
		1	0	17.11	17.14	17.15	18.00
		1	13	17.04	16.85	16.77	18.00
		1	24	17.10	16.87	17.07	18.00
5MHz	16QAM	12	0	16.74	16.75	16.70	18.00
		12	6	16.66	16.57	16.63	18.00
		12	13	16.57	16.54	16.60	18.00
		25	0	16.71	16.64	16.59	18.00
		1	0	17.05	17.06	17.08	18.00
		1	13	16.98	16.77	16.67	18.00
		1	24	17.02	16.78	17.01	18.00
	64QAM	12	0	16.66	16.70	16.61	18.00
		12	6	16.60	16.50	16.55	18.00
		12	13	16.47	16.48	16.50	18.00
		25	0	16.65	16.57	16.54	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danawidin	Woddiation	ND 3126	ND onset	20000	20175	20350	Turie up
		1	0	17.02	16.97	16.92	18.00
		1	25	16.63	16.51	16.53	18.00
		1	49	16.87	16.89	16.84	18.00
	QPSK	25	0	16.85	16.79	16.74	18.00
		25	13	16.75	16.76	16.70	18.00
		25	25	16.72	16.70	16.70	18.00
		50	0	16.85	16.88	16.77	18.00
		1	0	17.21	17.23	17.23	18.00
1 6		1	25	17.11	16.94	16.82	18.00
10MHz		1	49	17.18	16.93	17.14	18.00
	16QAM	25	0	16.81	16.80	16.75	18.00
		25	13	16.72	16.66	16.69	18.00
		25	25	16.66	16.62	16.67	18.00
		50	0	16.76	16.72	16.69	18.00
		1	0	17.15	17.16	17.14	18.00
		1	25	17.04	16.86	16.77	18.00
	64QAM	1	49	17.13	16.84	17.07	18.00
		25	0	16.74	16.70	16.65	18.00
		25	13	16.64	16.56	16.62	18.00

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	1			1			ı
		25	25	16.61	16.56	16.61	18.00
		50	0	16.71	16.65	16.60	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Barrawiatri	Wodalation	110 0120	TE CHOOL	20025	20175	20325	rano ap
		1	0	17.07	17.06	17.02	18.00
		1	38	16.70	16.57	16.60	18.00
		1	74	16.96	16.94	16.92	18.00
	QPSK	36	0	16.94	16.89	16.81	18.00
		36	18	16.81	16.81	16.76	18.00
		36	39	16.82	16.80	16.80	18.00
		75	0	16.94	16.94	16.85	18.00
		1	0	17.28	17.30	17.33	18.00
		1	38	17.19	17.00	16.87	18.00
		1	74	17.27	17.02	17.19	18.00
15MHz	16QAM	36	0	16.90	16.87	16.82	18.00
		36	18	16.78	16.74	16.76	18.00
		36	39	16.74	16.71	16.76	18.00
		75	0	16.84	16.81	16.74	18.00
		1	0	17.19	17.22	17.26	18.00
		1	38	17.12	16.94	16.80	18.00
		1	74	17.19	16.97	17.11	18.00
	64QAM	36	0	16.82	16.80	16.73	18.00
		36	18	16.69	16.66	16.71	18.00
		36	39	16.65	16.64	16.66	18.00
		75	0	16.74	16.74	16.64	18.00
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20050	20175	20300	Tune up
		1	0	17.15	17.12	17.11	18.00
		1	50	16.79	16.66	16.67	18.00
		1	99	17.03	17.02	16.99	18.00
	QPSK	50	0	17.01	16.95	16.91	18.00
		50	25	16.91	16.88	16.84	18.00
		50	50	16.91	16.90	16.86	18.00
		100	0	17.02	17.00	16.91	18.00
		1	0	17.35	17.36	17.39	18.00
Cal		1	50	17.25	17.10	16.96	18.00
6		1	99	17.35	17.11	17.28	18.00
20MHz	16QAM	50	0	16.95	16.93	16.87	18.00
		50	25	16.87	16.80	16.82	18.00
		50	50	16.84	16.81	16.83	18.00
		100	0	16.94	16.87	16.83	18.00
		1	0	17.28	17.28	17.34	18.00
		1	50	17.15	17.01	16.87	18.00
		10	99	17.15	17.01	17.19	18.00
	64QAM	50	0	16.86	16.84	16.78	18.00
		50	25	16.80	16.71	16.74	
		50	50	16.75	16.71	16.74	18.00 18.00

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			100	0	16.88	16.80	16.77	18.00	
--	--	--	-----	---	-------	-------	-------	-------	--

d) +WiFi		Conducted P	ower(dBm)	
RB offset	Channel	Channel	Channel	Tune up
_	19957	20175	20393	
0	14.75	14.77	14.68	16.00
2	14.55	14.23	14.42	16.00
5	14.59	14.55	14.61	16.00
0	14.66	14.59	14.53	16.00
2	14.49	14.54	14.42	16.00
3	14.56	14.56	14.42	16.00
0	14.61	14.53	14.52	16.00
0	14.96	14.96	15.16	16.00
2	14.50	14.73	14.64	16.00
5	14.86	14.78	14.95	16.00
0	14.53	14.59	14.51	16.00
2	14.49	14.48	14.48	16.00
3	14.52	14.43	14.44	16.00
0	14.54	14.41	14.32	16.00
0	14.90	14.88	15.06	16.00
2	14.43	14.64	14.55	16.00
5	14.79	14.71	14.89	16.00
0	14.44	14.52	14.44	16.00
2	14.41	14.41	14.41	16.00
3	14.47	14.34	14.36	16.00
0	14.46	14.32	14.23	16.00
	Channel	Channel	Channel	
RB offset	19965	20175	20385	Tune up
0	14.84	14.84	14.74	16.00
7	14.63	14.30	14.50	16.00
14	14.67	14.64	14.68	16.00
0	14.72	14.65	14.60	16.00
4	14.58	14.61	14.48	16.00
7	14.65	14.64	14.49	16.00
0	14.68	14.62	14.58	16.00
0	15.02	15.05	15.22	16.00
7	14.59	14.79	14.70	16.00
14	14.91	14.85	15.03	16.00
0	14.63	14.64	14.59	16.00
4	14.55	14.56	14.57	16.00
7	14.59	14.50	14.51	16.00
0	14.63	14.47	14.41	16.00
0	14.94	14.97	15.16	16.00
7				16.00
_				16.00
_				16.00
	7 14 0	14 14.85	14 14.85 14.78	14 14.85 14.78 14.98

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		8	4	14.47	14.47	14.51	16.00
		8	7	14.52	14.44	14.45	16.00
		15	0	14.58	14.41	14.34	16.00
Dandwidth	Madulation	DD oizo	DD offeet	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	19975	20175	20375	Tune up
		1	0	14.93	14.90	14.84	16.00
		1	13	14.68	14.40	14.59	16.00
		1	24	14.76	14.73	14.74	16.00
	QPSK	12	0	14.80	14.70	14.67	16.00
		12	6	14.63	14.67	14.58	16.00
		12	13	14.71	14.71	14.57	16.00
		25	0	14.76	14.69	14.67	16.00
		1	0	15.10	15.14	15.28	16.00
		1	13	14.68	14.88	14.79	16.00
		1	24	15.01	14.91	15.11	16.00
5MHz	16QAM	12	0	14.70	14.70	14.67	16.00
		12	6	14.61	14.62	14.64	16.00
		12	13	14.64	14.59	14.57	16.00
		25	0	14.70	14.57	14.51	16.00
		1	0	15.03	15.08	15.23	16.00
		1	13	14.61	14.83	14.73	16.00
		1	24	14.93	14.82	15.01	16.00
	64QAM	12	0	14.61	14.61	14.59	16.00
		12	6	14.54	14.55	14.55	16.00
		12	13	14.55	14.52	14.47	16.00
		25	0	14.63	14.52	14.41	16.00
D 1 1/1	Maril Inflan	DD -! -	DD - (()	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	20000	20175	20350	Tune up
		1	0	15.00	14.96	14.92	16.00
		1	25	14.75	14.49	14.64	16.00
		1	49	14.82	14.79	14.79	16.00
	QPSK	25	0	14.85	14.79	14.73	16.00
		25	13	14.71	14.76	14.67	16.00
	\	25	25	14.76	14.78	14.67	16.00
		50	0	14.83	14.76	14.77	16.00
		50 1	0		14.76 15.20		16.00 16.00
				14.83 15.18 14.76		14.77 15.33 14.86	16.00
10MHz		1	0 25	15.18 14.76	15.20 14.95	15.33 14.86	16.00 16.00
10MHz	16QAM	1	0	15.18	15.20	15.33 14.86 15.18	16.00 16.00 16.00
10MHz	16QAM	1 1 1	0 25 49	15.18 14.76 15.08	15.20 14.95 15.01	15.33 14.86	16.00 16.00 16.00 16.00
10MHz	16QAM	1 1 1 25	0 25 49 0	15.18 14.76 15.08 14.79	15.20 14.95 15.01 14.78	15.33 14.86 15.18 14.75	16.00 16.00 16.00 16.00 16.00
10MHz	16QAM	1 1 1 25 25 25	0 25 49 0 13	15.18 14.76 15.08 14.79 14.67 14.69	15.20 14.95 15.01 14.78 14.68 14.67	15.33 14.86 15.18 14.75 14.70 14.63	16.00 16.00 16.00 16.00 16.00 16.00
10MHz	16QAM	1 1 1 25 25	0 25 49 0 13 25	15.18 14.76 15.08 14.79 14.67	15.20 14.95 15.01 14.78 14.68 14.67 14.62	15.33 14.86 15.18 14.75 14.70 14.63 14.61	16.00 16.00 16.00 16.00 16.00 16.00
10MHz	16QAM	1 1 1 25 25 25 25 50 1	0 25 49 0 13 25 0	15.18 14.76 15.08 14.79 14.67 14.69 14.76	15.20 14.95 15.01 14.78 14.68 14.67 14.62 15.12	15.33 14.86 15.18 14.75 14.70 14.63 14.61 15.27	16.00 16.00 16.00 16.00 16.00 16.00 16.00
10MHz		1 1 1 25 25 25 25 50	0 25 49 0 13 25 0 0	15.18 14.76 15.08 14.79 14.67 14.69 14.76 15.11 14.71	15.20 14.95 15.01 14.78 14.68 14.67 14.62 15.12 14.90	15.33 14.86 15.18 14.75 14.70 14.63 14.61 15.27 14.78	16.00 16.00 16.00 16.00 16.00 16.00 16.00 16.00
10MHz	16QAM 64QAM	1 1 25 25 25 25 50 1	0 25 49 0 13 25 0	15.18 14.76 15.08 14.79 14.67 14.69 14.76	15.20 14.95 15.01 14.78 14.68 14.67 14.62 15.12	15.33 14.86 15.18 14.75 14.70 14.63 14.61 15.27	16.00 16.00 16.00 16.00 16.00 16.00 16.00 16.00

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		0.5	0.5	1 4 4 0 4	44.57	1155	
		25	25	14.61	14.57	14.55	16.00
		50	0	14.70	14.54	14.55	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	•
		1	0	15.10	15.03	15.00	16.00
		1	38	14.84	14.57	14.74	16.00
		1	74	14.89	14.86	14.85	16.00
	QPSK	36	0	14.91	14.87	14.83	16.00
		36	18	14.80	14.83	14.74	16.00
		36	39	14.84	14.83	14.76	16.00
		75	0	14.91	14.85	14.82	16.00
		1	0	15.28	15.27	15.39	16.00
		1	38	14.84	15.05	14.93	16.00
		1	74	15.13	15.07	15.26	16.00
15MHz	16QAM	36	0	14.85	14.84	14.81	16.00
		36	18	14.73	14.74	14.76	16.00
		36	39	14.77	14.76	14.71	16.00
		75	0	14.84	14.72	14.71	16.00
		1	0	15.20	15.19	15.34	16.00
		1	38	14.77	14.97	14.86	16.00
		1	74	15.06	15.02	15.18	16.00
	64QAM	36	0	14.78	14.74	14.74	16.00
	0 . 4	36	18	14.65	14.66	14.67	16.00
		36	39	14.68	14.66	14.62	16.00
	\	75	0	14.76	14.63	14.65	16.00
			-	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20050	20175	20300	Tune up
		1	0	15.15	15.08	15.09	16.00
		1	50	14.90	14.66	14.79	16.00
		1	99	14.98	14.92	14.95	16.00
	QPSK	50	0	14.97	14.95	14.90	16.00
	Q. G	50	25	14.87	14.89	14.81	16.00
		50	50	14.92	14.90	14.86	16.00
		100	0	14.98	14.94	14.88	16.00
		1	0	15.35	15.33	15.46	16.00
		1	50	14.91	15.14	15.03	16.00
		1	99	15.22	15.14	15.32	16.00
20MHz	16QAM	50	0	14.93	14.90	14.86	
	IOQAW						16.00
		50	25	14.81	14.80	14.84	16.00
		50	50	14.82	14.83	14.81	16.00
		100	0	14.90	14.81	14.80	16.00
		1	0	15.26	15.25	15.38	16.00
		1	50	14.83	15.04	14.95	16.00
	64QAM	1	99	15.14	15.11	15.22	16.00
		50	0	14.85	14.84	14.77	16.00
		50	25	14.75	14.72	14.76	16.00
		50	50	14.73	14.76	14.74	16.00

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14.74 100 0 14.81 14.73 16.00

	d 4 Receiver off on/Hotsp		e)+WiFi		Conducted Po	ower(dBm)	
Danaludah	Madulation	DD ains	DD offeet	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	19957	20175	20393	Tune up
		1	0	19.43	19.50	19.51	20.50
		1	2	19.03	19.26	18.69	20.50
		1	5	19.37	19.37	19.41	20.50
	QPSK	3	0	19.43	19.40	19.13	20.50
		3	2	19.27	19.31	19.38	20.50
		3	3	19.39	19.37	19.40	20.50
		6	0	19.53	19.37	19.44	20.50
		1	0	19.95	19.30	19.60	20.50
		1	2	19.49	19.67	19.33	20.50
		1	5	19.44	19.48	19.83	20.50
1.4MHz	16QAM	3	0	19.48	19.62	19.32	20.50
		3	2	19.15	19.05	18.96	20.50
		3	3	19.31	19.45	19.53	20.50
		6	0	19.06	19.40	19.28	20.50
		1	0	19.87	19.24	19.51	20.50
		1	2	19.43	19.59	19.27	20.50
		1	5	19.35	19.40	19.76	20.50
	64QAM	3	0	19.41	19.53	19.25	20.50
		3	2	19.07	18.99	18.86	20.50
		3	3	19.26	19.38	19.44	20.50
		6	0	19.00	19.34	19.19	20.50
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	19965	20175	20385	Tune up
		1	0	19.42	19.48	19.47	20.50
		1	7	19.12	19.16	19.07	20.50
	\						/ /// : : : : : : : : : : : : : : : : :
		1	14				
	QPSK	1 8	14	19.47	19.41	19.39	20.50
	QPSK	8	0	19.47 19.36	19.41 19.37	19.39 19.34	20.50 20.50
	QPSK	8		19.47 19.36 19.38	19.41 19.37 19.39	19.39 19.34 19.43	20.50 20.50 20.50
	QPSK	8 8 8	0 4 7	19.47 19.36 19.38 19.39	19.41 19.37 19.39 19.38	19.39 19.34 19.43 19.34	20.50 20.50 20.50 20.50
	QPSK	8 8 8 15	0 4 7 0	19.47 19.36 19.38 19.39 19.42	19.41 19.37 19.39 19.38 19.46	19.39 19.34 19.43 19.34 19.43	20.50 20.50 20.50 20.50 20.50
	QPSK	8 8 8 15	0 4 7 0	19.47 19.36 19.38 19.39 19.42 19.65	19.41 19.37 19.39 19.38 19.46 19.74	19.39 19.34 19.43 19.34 19.43 19.71	20.50 20.50 20.50 20.50 20.50 20.50
3MHz	QPSK	8 8 8 15 1	0 4 7 0 0 7	19.47 19.36 19.38 19.39 19.42 19.65 19.38	19.41 19.37 19.39 19.38 19.46 19.74 19.35	19.39 19.34 19.43 19.34 19.43 19.71 19.43	20.50 20.50 20.50 20.50 20.50 20.50 20.50
3MHz		8 8 8 15 1 1	0 4 7 0 0 7 14	19.47 19.36 19.38 19.39 19.42 19.65 19.38 19.71	19.41 19.37 19.39 19.38 19.46 19.74 19.35 19.68	19.39 19.34 19.43 19.34 19.43 19.71 19.43 19.68	20.50 20.50 20.50 20.50 20.50 20.50 20.50
ЗМНz	QPSK 16QAM	8 8 8 15 1 1 1 1 8	0 4 7 0 0 7 14	19.47 19.36 19.38 19.39 19.42 19.65 19.38 19.71 19.39	19.41 19.37 19.39 19.38 19.46 19.74 19.35 19.68 19.40	19.39 19.34 19.43 19.34 19.43 19.71 19.43 19.68 19.39	20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50
3MHz		8 8 8 15 1 1 1 1 8 8	0 4 7 0 0 7 14 0 4	19.47 19.36 19.38 19.39 19.42 19.65 19.38 19.71 19.39 19.33	19.41 19.37 19.39 19.38 19.46 19.74 19.35 19.68 19.40 19.37	19.39 19.34 19.43 19.34 19.43 19.71 19.43 19.68 19.39 19.32	20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50
3MHz		8 8 8 15 1 1 1 1 8 8	0 4 7 0 0 7 14 0 4 7	19.47 19.36 19.38 19.39 19.42 19.65 19.38 19.71 19.39 19.33 19.31	19.41 19.37 19.39 19.38 19.46 19.74 19.35 19.68 19.40 19.37 19.32	19.39 19.34 19.43 19.34 19.71 19.43 19.68 19.39 19.32 19.28	20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50
3MHz		8 8 8 15 1 1 1 1 8 8 8	0 4 7 0 0 7 14 0 4 7	19.47 19.36 19.38 19.39 19.42 19.65 19.38 19.71 19.39 19.33 19.31	19.41 19.37 19.39 19.38 19.46 19.74 19.35 19.68 19.40 19.37 19.32 19.42	19.39 19.34 19.43 19.34 19.43 19.71 19.43 19.68 19.39 19.32 19.28 19.40	20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50
ЗМН	16QAM	8 8 8 15 1 1 1 1 8 8 8 15	0 4 7 0 0 7 14 0 4 7 0	19.47 19.36 19.38 19.39 19.42 19.65 19.38 19.71 19.39 19.33 19.31 19.39	19.41 19.37 19.39 19.38 19.46 19.74 19.35 19.68 19.40 19.37 19.32 19.42 19.65	19.39 19.34 19.43 19.43 19.71 19.43 19.68 19.39 19.32 19.28 19.40 19.65	20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50
3MHz		8 8 8 15 1 1 1 1 8 8 8	0 4 7 0 0 7 14 0 4 7	19.47 19.36 19.38 19.39 19.42 19.65 19.38 19.71 19.39 19.33 19.31	19.41 19.37 19.39 19.38 19.46 19.74 19.35 19.68 19.40 19.37 19.32 19.42	19.39 19.34 19.43 19.34 19.43 19.71 19.43 19.68 19.39 19.32 19.28 19.40	20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50

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		_					
		8	4	19.25	19.29	19.24	20.50
		8	7	19.23	19.24	19.22	20.50
		15	0	19.31	19.32	19.34	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Balluwiutii	Modulation	ND SIZE	KD 011561	19975	20175	20375	Turie up
		1	0	19.47	19.44	19.48	20.50
		1	13	19.44	19.44	19.45	20.50
		1	24	19.41	19.42	19.37	20.50
	QPSK	12	0	19.47	19.48	19.54	20.50
		12	6	19.43	19.44	19.44	20.50
		12	13	19.46	19.49	19.47	20.50
		25	0	19.44	19.47	19.48	20.50
		1	0	19.66	19.74	19.77	20.50
		1	13	19.68	19.78	19.76	20.50
		1	24	19.67	19.69	19.70	20.50
5MHz	16QAM	12	0	19.46	19.47	19.47	20.50
		12	6	19.43	19.44	19.42	20.50
		12	13	19.45	19.45	19.43	20.50
		25	0	19.39	19.37	19.40	20.50
		1	0	19.60	19.68	19.69	20.50
		1	13	19.61	19.72	19.67	20.50
		1	24	19.58	19.59	19.63	20.50
	64QAM	12	0	19.38	19.40	19.41	20.50
		12	6	19.36	19.34	19.35	20.50
		12	13	19.39	19.37	19.34	20.50
		25	0	19.31	19.29	19.34	20.50
5 1 141	NA 1 1 0		DD " .	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20000	20175	20350	Tune up
		1	0	19.45	19.50	19.52	20.50
		1	25	19.20	19.20	19.29	20.50
		1	49	19.47	19.43	19.43	20.50
	QPSK	25	0	19.48	19.47	19.48	20.50
		25	13	19.44	19.48	19.45	20.50
		25	25	19.47	19.46	19.46	20.50
		50	0	19.46	19.42	19.44	20.50
		1	0	19.75	19.73	19.74	20.50
		1	25	19.45	19.45	19.55	20.50
10MHz		1	49	19.75	19.65	19.72	20.50
	16QAM	25	0	19.40	19.45	19.40	20.50
		25	13	19.39	19.43	19.40	20.50
		25	25	19.38	19.39	19.39	20.50
		50	0	19.40	19.37	19.38	20.50
		1	0	19.40	19.65	19.67	20.50
		1	25	19.39	19.39	19.48	20.50
	64QAM	1	49	19.59	19.59	19.46	20.50
	UHQAM	25	0	19.87	19.37	19.03	
							20.50
		25	13	19.32	19.34	19.31	20.50

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		25	25	40.00	10.20	10.04	00.50
		25 50	25	19.29	19.30	19.34	20.50
		50	0	19.33	19.29	19.31	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel	Tune up
		1	0	19.44	19.49	20325 19.50	00.50
		1	38	19.44	19.49	19.50	20.50
		1	74	19.43	19.40	19.41	20.50
	QPSK	36	0	19.54	19.40	19.50	20.50
	QFSK	36	18	19.46	19.36	19.48	20.50 20.50
		36	39	19.40	19.40	19.46	20.50
		75	0	19.32	19.30	19.47	20.50
		1	0	19.47	19.43	19.46	
		1	38	19.63	19.60	19.75	
		1	74	19.54	19.74	19.66	20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50
15MHz	16QAM						
ISIVINZ	IOQAIVI	36 36	0 18	19.47 19.38	19.50 19.40	19.48	
		36	39	19.36	19.40	19.43 19.42	
		75	0	19.40	19.38	19.42	
		1	0	19.59	19.71	19.67	
		1	38	19.57	19.66	19.56	
	CAOANA	1	74	19.48	19.56	19.58	
	64QAM	36	0	19.41	19.43	19.40	
		36	18	19.29	19.31	19.33	
		36	39	19.34	19.34	19.34	
		75	0	19.35	19.33	19.36	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
		1	0	20050	20175	20300	00.50
		1	0	19.75	19.68	19.63	20.50
		1	50	19.34	19.27	19.22	20.50
	ODOK	1	99	19.56	19.48	19.48	20.50
	QPSK	50	0	19.54	19.53	19.47	20.50
		50	25	19.46	19.44	19.42	20.50
		50	50	19.48	19.46	19.41	20.50
		100	0	19.53	19.48	19.46	20.50
		1	0	19.89	19.87	19.81	20.50
		1	50	19.54	19.48	19.39	20.50
20MHz	100111	1	99	19.82	19.73	19.73	20.50
	16QAM	50	0	19.49	19.46	19.44	20.50
		50	25	19.40	19.38	19.35	20.50
		50	50	19.42	19.38	19.37	20.50
		100	0	19.47	19.40	19.40	20.50
		1	0	19.81	19.77	19.76	20.50
		1	50	19.47	19.41	19.31	20.50
	64QAM	1	99	19.72	19.64	19.64	20.50
	3 . 3	50	0	19.44	19.39	19.36	20.50
		50	25	19.31	19.28	19.29	20.50
		50	50	19.35	19.31	19.27	20.50

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100 0 19.40 19.35 19.34 20.50

LTE	Band 5 Receive	r on(Left hea	nd)		Conducted Po	ower(dBm)	
Dan duvidéh	Modulation	DP oizo	DR offeet	Channel	Channel	Channel	Tuna un
Bandwidth	Modulation	RB size	RB offset	20407	20525	20643	Tune up
		1	0	21.04	20.93	20.88	22.00
		1	2	21.35	20.35	20.51	22.00
		1	5	20.93	20.88	20.81	22.00
	QPSK	3	0	20.91	21.00	20.81	22.00
		3	2	21.36	21.22	21.09	22.00
		3	3	20.76	20.76	20.86	22.00
		6	0	21.26	20.92	20.83	22.00
		1	0	21.11	21.25	21.33	22.00
		1	2	21.01	20.80	20.95	22.00
		1	5	21.26	21.11	21.15	22.00
1.4MHz	16QAM	3	0	20.71	21.13	20.62	22.00
		3	2	20.82	20.31	21.03	22.00
		3	3	20.72	20.63	21.00	22.00
		6	0	21.02	20.67	20.88	22.00
		1	0	21.03	21.15	21.23	22.00
		1	2	20.95	20.72	20.89	22.00
		1	5	21.18	21.06	21.08	22.00
	64QAM	3	0	20.62	21.08	20.54	22.00
		3	2	20.72	20.21	20.94	22.00
		3	3	20.64	20.56	20.92	22.00
		6	0	20.96	20.58	20.80	22.00
Dan desidik	Madulatian	DD ains	DD -#+	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20415	20525	20635	Tune up
		1	0	21.05	20.85	20.93	22.00
		1	7	20.65	20.07	20.06	22.00
		1	14	20.89	20.82	20.94	22.00
	QPSK	8	0	20.95	20.82	21.08	22.00
		8	4	20.86	21.00	20.96	22.00
		8	7	20.91	20.69	21.00	22.00
		15	0	21.03	20.96	20.75	22.00
		1	0	21.34	21.12	21.14	22.00
		1	7	20.38	20.98	20.96	22.00
3MHz		1	14	21.10	21.09	21.05	22.00
	16QAM	8	0	20.77	20.83	21.05	22.00
		8	4	21.03	20.93	20.83	22.00
		8	7	20.80	20.72	20.90	22.00
		15	0	20.91	20.91	20.83	22.00
ļ		1	0	21.25	21.07	21.04	22.00
		1	7	20.29	20.92	20.89	22.00
	64QAM	1	14	21.02	21.00	20.99	22.00
		8	0	20.68	20.76	20.98	22.00
		8	4	20.96	20.88	20.75	22.00

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Tune up			1 0		22.72	1		<u> </u>
Bandwidth Modulation RB size RB offset 20425 20525 20625 20625 20625 20625 20625 20625 20625 20625 20625 20625 20625 20625 20625 20625 20625 20626			8	7	20.72	20.65	20.83	22.00
Modulation RB size RB offset 20425 20525 20625 1une up 1			15	0				22.00
1 0 20.92 20.91 21.02 22.00	Bandwidth	Modulation	RB size	RB offset				Tune up
Table								
Part								
Part			1					22.00
Table 12								22.00
12		QPSK	12		20.95	20.96	20.96	22.00
SMHz			12			20.99	20.97	22.00
5MHz 1 0 21.22 21.13 20.98 22.00 1 13 21.23 21.13 21.38 22.00 1 24 21.33 21.36 20.94 22.00 12 0 20.94 20.90 21.02 22.00 12 6 20.90 20.84 20.77 22.00 25 0 20.90 20.93 20.93 22.00 25 0 20.90 20.93 20.93 22.00 1 1 0 21.16 21.07 20.92 22.00 1 1 24 21.24 21.27 20.88 22.00 12 6 20.84 20.78 20.70 22.00 12 13 20.93 20.85 20.86 22.00 12 13 20.93 20.85 20.86 22.00 12 13 20.93 20.85 20.86 22.00 12			12	13	21.06	20.97	20.89	22.00
Table			25	0	20.99	20.92	20.85	22.00
Table Tabl			1	0	21.22	21.13	20.98	22.00
Table Tabl			1	13	21.23	21.13		22.00
Table Tabl			1	24	21.33	21.36	20.94	22.00 22.00
12	5MHz	16QAM	12	0	20.94	20.90	21.02	
12			12	6	20.90	20.84	20.77	
1			12	13	21.02	20.94	20.92	
1			25				20.93	
1								22.00 22.00
1								
Bandwidth 12 0 20.85 20.83 20.96 22.00			-					
12 6 20.84 20.78 20.70 22.00 12 13 20.93 20.85 20.86 22.00 25 0 20.80 20.86 20.84 22.00 25 0 20.80 20.86 20.84 22.00 20 20 20.80 20.86 20.84 22.00 20 20 20.80 20.86 20.84 22.00 20 20 20.80 20.86 20.84 22.00 20 20 20.80 20.525 20600 1 0 21.08 21.04 21.02 22.00 1 25 20.41 21.07 20.17 22.00 20 20 20.80 21.01 22.00 25 13 20.97 21.05 21.01 22.00 25 25 20.95 20.98 20.99 22.00 25 25 20.95 20.98 20.99 22.00 25 25 20.18 21.55 20.92 22.00 1 25 20.18 21.55 20.92 22.00 1 49 20.80 21.31 21.43 22.00 25 3 20.91 20.97 20.86 22.00 25 25 25 20.95 20.76 20.80 22.00 25 25 20.95 20.76 20.80 22.00 25 25 20.12 21.48 20.86 22.00 1 49 20.72 21.25 21.37 22.00 25 0 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00 25 13 20.83 20.89 20.78 22.00 25 25 13 20.83 20.89 20.78 22.00 25 25 13 20.83 20.89 20.78 22.00 25 25 13 20.83 20.89 20.78 22.00 25 25 13 20.83 20.89 20.78 22.00 25 25 13 20.83 20.89 20.78 22.00 25 25 13 20.83 20.89 20.78 22.00 25 25 13 20.83 20.89 20.78 22.00 25 25 13 20.83 20.89 20.78 22.00 25 25 25 20.84 20.80 20.87 22.00 25 25 13 20.83 20.89 20.78 22.00 25 25 25 20.84 20.80 20.87 22.00 25 25 25 20.84 20.80 20.78 22.00 25 25 25 20.84 20.80 20.87 22.00 25 25 25 20.84 20.80 20.87 22.00 25 25 25 20.84 20.80 20.87 22.00 25 25 25 20.84 20.80 20.87 22.00 25 25 25 20.84 20.80 20.87 22.00 25 25 25 20.84 20.80 20.87 22.00 25 25 25 20.84 20.80 20.87 22.00 25 25 25 20.84 20.80 20.		64OAM						
Table Tabl		0+Q/ tivi						
Tune up								
Modulation RB size RB offset Channel 20450 20525 20600 Tune up 20450 20525 20600 21.02 22.00 22.00 22.00 21.07 20.17 22.00 20.17 22.00 20.17 22.00 20.17 20.17 22.00 20.10 20.10 20.10 20.00 20.10 20.00 20.								
Total Parison RB size RB offset 20450 20525 20600 Tune up 20525 206000 206000 20600 20600 206000 206000 206000 206000 206000			2.5	0				22.00
10MHz 1 0 21.08 21.04 21.02 22.00 1 25 20.41 21.07 20.17 22.00 1 49 20.87 20.80 21.01 22.00 25 0 21.07 21.05 21.01 22.00 25 25 25 20.95 20.98 20.99 22.00 50 0 21.01 20.90 20.92 22.00 1 0 21.49 20.85 21.60 22.00 1 1 25 20.18 21.55 20.92 22.00 1 1 49 20.80 21.31 21.43 22.00 1 49 20.80 21.31 21.43 22.00 25 13 20.91 20.97 20.86 22.00 25 25 25 20.95 20.98 20.99 22.00 1 1 49 20.80 21.31 21.43 22.00 25 13 20.91 20.97 20.86 22.00 25 25 25 20.95 20.76 20.80 22.00 50 0 20.94 20.99 20.94 22.00 1 0 21.43 20.78 21.50 22.00 1 0 21.43 20.78 21.50 22.00 1 1 25 20.12 21.48 20.86 22.00 1 49 20.72 21.25 21.37 22.00 25 0 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00	Bandwidth	Modulation	RB size	RB offset				Tune up
1 25 20.41 21.07 20.17 22.00 1 49 20.87 20.80 21.01 22.00 25 0 21.07 21.05 21.01 22.00 25 13 20.97 21.00 20.92 22.00 25 25 25 20.95 20.98 20.99 22.00 50 0 21.01 20.90 20.92 22.00 1 0 21.49 20.85 21.60 22.00 1 25 20.18 21.55 20.92 22.00 1 49 20.80 21.31 21.43 22.00 1 49 20.80 21.31 21.43 22.00 25 13 20.91 20.97 20.86 22.00 25 25 25 20.95 20.76 20.80 22.00 50 0 20.94 20.99 20.94 22.00 50 0 20.94 20.99 20.94 22.00 50 0 21.43 20.78 21.50 22.00 50 0 21.43 20.78 21.50 22.00 50 0 20.94 20.99 20.94 22.00 50 0 20.94 20.99 20.94 22.00 50 0 20.94 20.99 20.94 22.00 50 0 20.94 20.99 20.94 22.00 50 0 20.94 20.99 20.94 22.00 25 10 20.94 20.99 20.94 22.00 25 20.02 21.43 20.78 21.50 22.00 25 25 20.12 21.48 20.86 22.00 25 0 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00			1	0				22.00
1 49 20.87 20.80 21.01 22.00 25 0 21.07 21.05 21.01 22.00 25 13 20.97 21.00 20.92 22.00 25 25 25 20.95 20.98 20.99 22.00 50 0 21.01 20.90 20.92 22.00 1 0 21.49 20.85 21.60 22.00 1 25 20.18 21.55 20.92 22.00 1 49 20.80 21.31 21.43 22.00 1 49 20.80 21.31 21.43 22.00 25 13 20.91 20.97 20.86 22.00 25 13 20.91 20.97 20.86 22.00 25 25 25 20.95 20.76 20.80 22.00 25 25 25 20.94 20.99 20.94 22.00 50 0 20.94 20.99 20.94 22.00 50 0 20.94 20.99 20.94 22.00 1 25 20.12 21.48 20.86 22.00 1 25 20.12 21.48 20.86 22.00 25 0 20.84 20.80 20.87 22.00 25 0 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00								
10MHz 10MHz 25 0 21.07 21.05 21.00 22.00 25 25 25 20.95 20.98 20.99 22.00 20.92 22.00 20.92 22.00 20.92 22.00 20.92 22.00 20.92 22.00 20.92 22.00 20.92 22.00 20.92 22.00 20.92 22.00 20.92 22.00 20.93 20.94 20.95 20.92 20.92 20.90 20.88 20.96 20.90 20.88 20.96 20.90 20.88 20.96 20.90 20.88 20.96 20.90 20.88 20.96 20.00 20.91 20.97 20.86 20.00 20.94 20.99 20.94 20.99 20.94 20.99 20.94 20.90 20.88 20.96 20.00 20.94 20.99 20.94 20.99 20.94 20.90 20.88 20.96 20.00 20.94 20.99 20.94 20.99 20.94 20.90 20.88 20.00								
10MHz 16QAM 25 13 20.97 21.00 20.92 22.00 25 25 20.95 20.98 20.99 22.00 50 0 21.01 20.90 20.92 22.00 1 0 21.49 20.85 21.60 22.00 1 49 20.80 21.31 21.43 22.00 25 13 20.91 20.97 20.86 22.00 25 13 20.91 20.97 20.86 22.00 25 25 20.95 20.95 20.76 20.80 22.00 25 25 20.95 20.95 20.96 20.90 20.88 20.96 22.00 25 25 20.95 20.95 20.76 20.80 22.00 20.94 20.99 20.94 22.00 1 25 20.12 21.48 20.86 22.00 20.00 20.84 20.80 20.87 22.00 25 1 25 1 20.88 20.89 20.78 22.00		ODCK						
10MHz 16QAM 25		QPSK						
10MHz 16QAM 1 0 21.49 20.85 21.60 22.00 1 25 20.18 21.55 20.92 22.00 1 49 20.80 21.31 21.43 22.00 25 0 20.90 20.88 20.96 22.00 25 13 20.91 20.97 20.86 22.00 25 25 25 20.95 20.76 20.80 22.00 50 0 20.94 20.99 20.94 22.00 50 0 20.94 20.99 20.94 22.00 1 0 21.43 20.78 21.50 22.00 1 0 21.43 20.78 21.50 22.00 1 0 21.43 20.78 21.50 22.00 1 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.94 20.90 2 0 20.94 20.99 20.98 20.90 2 0 20.94 20.90 20.94 20.90 2 0 20.94 20.90 20.94 20.90 2 0 20.94 20.90 20.94 20.90 2 0 20.94 20.90 20.94 20.90 2 0 20.94 20.90 20.94 20.90 2 2 20.00 2 2 20								
10MHz 16QAM 1 0 21.49 20.85 21.60 22.00 1 25 20.18 21.55 20.92 22.00 1 49 20.80 21.31 21.43 22.00 25 0 20.90 20.88 20.96 22.00 25 13 20.91 20.97 20.86 22.00 25 25 25 20.95 20.76 20.80 22.00 50 0 20.94 20.99 20.94 22.00 1 0 21.43 20.78 21.50 22.00 1 25 20.12 21.48 20.86 22.00 1 49 20.72 21.25 21.37 22.00 25 0 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00								
10MHz 16QAM 1 25 20.18 21.55 20.92 22.00 1 49 20.80 21.31 21.43 22.00 25 0 20.90 20.88 20.96 22.00 25 13 20.91 20.97 20.86 22.00 25 25 25 20.95 20.76 20.80 22.00 50 0 20.94 20.99 20.94 22.00 50 0 21.43 20.78 21.50 22.00 1 25 20.12 21.48 20.86 22.00 1 49 20.72 21.25 21.37 22.00 25 0 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00			_	-				
10MHz 16QAM 25 0 20.90 20.88 20.96 22.00 25 13 20.91 20.97 20.86 22.00 25 25 25 20.95 20.76 20.80 22.00 20.94 20.99 20.94 20.99 20.94 20.90 20.94 20.99 20.94 20.90 20.94 20.99 20.94 20.90 20.94 20.99 20.94 20.90 21.43 20.78 21.50 22.00 25 20.12 21.48 20.86 22.00 25 25 20.12 21.48 20.86 22.00 25 25 20.12 21.48 20.86 22.00 25 25 20.12 21.48 20.86 22.00 25 25 20.12 21.25 21.37 22.00 25 25 20.84 20.80 20.87 22.00 25 25 20.83 20.89 20.78 22.00								
16QAM 25 0 20.90 20.88 20.96 22.00 25 13 20.91 20.97 20.86 22.00 25 25 25 20.95 20.76 20.80 22.00 50 0 20.94 20.99 20.94 22.00 1 0 21.43 20.78 21.50 22.00 1 25 20.12 21.48 20.86 22.00 1 49 20.72 21.25 21.37 22.00 25 0 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00								
16QAM 25 0 20.90 20.88 20.96 22.00 25 13 20.91 20.97 20.86 22.00 25 25 25 20.95 20.76 20.80 22.00 50 0 20.94 20.99 20.94 22.00 1 0 21.43 20.78 21.50 22.00 1 25 20.12 21.48 20.86 22.00 1 49 20.72 21.25 21.37 22.00 25 0 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00	10MHz							
25 25 20.95 20.76 20.80 22.00 50 0 20.94 20.99 20.94 22.00 1 0 21.43 20.78 21.50 22.00 1 25 20.12 21.48 20.86 22.00 1 49 20.72 21.25 21.37 22.00 25 0 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00		16QAM						
50 0 20.94 20.99 20.94 22.00 1 0 21.43 20.78 21.50 22.00 1 25 20.12 21.48 20.86 22.00 1 49 20.72 21.25 21.37 22.00 25 0 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00			-			20.97		
64QAM 1 0 21.43 20.78 21.50 22.00 1 25 20.12 21.48 20.86 22.00 1 49 20.72 21.25 21.37 22.00 25 0 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00								22.00
64QAM 1 25 20.12 21.48 20.86 22.00 1 49 20.72 21.25 21.37 22.00 25 13 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00			50			20.99	20.94	22.00
64QAM 1 49 20.72 21.25 21.37 22.00 25 0 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00			1		21.43	20.78	21.50	22.00
25 0 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00			1	25	20.12	21.48	20.86	22.00
25 0 20.84 20.80 20.87 22.00 25 13 20.83 20.89 20.78 22.00		640014	1	49	20.72	21.25	21.37	22.00
25 13 20.83 20.89 20.78 22.00		04QAIVI	25	0	20.84	20.80	20.87	22.00
			25	13	20.83	20.89	20.78	
			25	25	20.86	20.70	20.74	

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50 0 20.89 20.90 20.85 22.00

LTE E	Band 5 Receiver	on(Right hea	ad)		Conducted Po	ower(dBm)	
Danish dalah	Madulatian	DD -:	DD -#+	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	20407	20525	20643	Tune up
		1	0	20.55	20.54	20.44	21.50
		1	2	20.89	20.06	20.75	21.50
		1	5	20.49	20.43	20.43	21.50
	QPSK	3	0	20.29	20.39	20.04	21.50
		3	2	20.26	20.26	19.92	21.50
		3	3	20.32	20.25	20.35	21.50
		6	0	20.40	20.52	20.21	21.50
		1	0	20.93	20.38	20.82	21.50
		1	2	20.90	20.00	20.67	21.50
		1	5	20.54	20.73	20.96	21.50
1.4MHz	16QAM	3	0	20.31	20.19	20.60	21.50
		3	2	20.33	20.49	20.13	21.50
		3	3	20.48	20.08	20.18	21.50
		6	0	20.35	20.48	20.27	21.50
		1	0	20.95	20.32	20.75	21.50
		1	2	20.80	19.91	20.60	21.50
		1	5	20.45	20.68	20.92	21.50
	64QAM	3	0	20.22	20.11	20.52	21.50
TO A		3	2	20.26	20.41	20.05	21.50
		3	3	20.41	20.02	20.10	21.50 21.50
		6	0	20.25	20.42	20.18	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
Danuwium	เขอนนเลแอก	KD SIZE	KD Ollset	20415	20525	20635	Turie up
		1	0	20.46	20.44	20.32	21.50
		1	7	20.19	20.06	20.09	21.50
		1	14	20.41	20.32	20.29	21.50
	QPSK	8	0	20.39	20.38	20.19	21.50
		8	4	20.40	20.39	20.27	21.50
		8	7	20.52	20.46	20.23	21.50
		15	0	20.50	20.34	20.41	21.50
Cal		1	0	20.58	20.77	20.53	21.50
		1	7	19.99	20.96	20.94	21.50
3MHz		1	14	20.98	20.36	20.68	21.50
	16QAM	8	0	20.49	20.34	20.31	21.50 21.50
		8	4	20.39	20.71	20.29	21.50
		8	7	20.66	20.36	20.51	21.50
		15	0	20.31	20.45	20.28	21.50
		1	0	20.52	20.69	20.46	21.50
		1	7	19.93	20.96	20.91	21.50
	64QAM	1	14	20.98	20.27	20.61	21.50
		8	0	20.41	20.26	20.26	21.50
		8	4	20.34	20.61	20.23	21.50

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		8	7	20.56	20.29	20.43	21.50
		15	0	20.23	20.37	20.20	21.50
Dan duvidth	Modulation	DD size	DD offeet	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	20425	20525	20625	rune up
		1	0	20.47	20.51	20.24	21.50
		1	13	20.51	20.37	20.51	21.50
		1	24	20.47	20.32	20.40	21.50
	QPSK	12	0	20.51	20.43	20.49	21.50
		12	6	20.46	20.23	20.36	21.50
(Pro)		12	13	20.51	20.44	20.39	21.50
		25	0	20.56	20.53	20.36	21.50
		1	0	20.94	20.97	20.71	21.50
		1	13	20.98	20.71	20.66	21.50
		1	24	20.54	20.43	20.67	Tune up 21.50
5MHz	16QAM	12	0	20.54	20.56	20.42	
		12	6	20.34	20.50	20.40	
		12	13	20.39	20.26	20.45	21.50
		25	0	20.55	20.31	20.47	21.50
		1	0	20.87	20.89	20.62	21.50
		1	13	20.89	20.64	20.58	21.50
		1	24	20.46	20.35	20.58	21.50
	64QAM	12	0	20.49	20.49	20.32	21.50
		12	6	20.25	20.41	20.33	21.50
		12	13	20.33	20.20	20.35	21.50
		25	0	20.48	20.26	20.38	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up
Dandwidth	Modulation	ND SIZE	IND Offset	20450	20525	20600	Turie up
		1	0	20.59	20.68	20.39	21.50
		1	25	20.07	20.09	20.06	21.50
		1	49	20.50	20.31	20.37	21.50
	QPSK	25	0	20.42	20.46	20.50	21.50
		25	13	20.53	20.50	20.49	21.50
		25	25	20.50	20.36	20.46	21.50
		50	0	20.43	20.42	20.39	21.50
		1	0	20.48	20.85	20.35	21.50
		1	25	20.68	19.85	20.22	21.50
10MHz		1	49	20.99	20.78	20.64	21.50
IUIVITIZ	16QAM	25	0	20.39	20.32	20.38	21.50
		25	13	20.40	20.46	20.42	21.50
		25	25	20.40	20.34	20.37	21.50 Tune up 21.50
		50	0	20.27	20.39	20.36	21.50
		1	0	20.42	20.79	20.30	21.50
		1	25	20.61	19.78	20.15	21.50
	64QAM	1	49	20.84	20.70	20.57	21.50 21.50
	UHWAIVI	25	0	20.32	20.26	20.28	21.50
		25	13	20.33	20.39	20.35	21.50
1		25	25	20.34	20.24	20.29	04 50

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50 0 20.17 20.32 20.29 21.50

LTE B	and 5 Receiver		Conducted Po	ower(dBm)			
Dan desidab	Modulation	DD ei=e	DD offeet	Channel	Channel	Channel	T
Bandwidth	iviodulation	RB size	RB offset	20407	20525	20643	Tune up
		1	0	22.86	22.87	22.97	24.00
		1	2	22.71	22.98	22.30	24.00
		1	5	22.97	22.84	22.81	24.00
	QPSK	3	0	22.82	22.83	22.80	24.00
		3	2	22.95	22.54	22.86	24.00
		3	3	22.93	22.87	22.99	24.00
		6	0	22.05	22.12	21.59	23.00
		1	0	22.38	22.40	22.38	23.00
		1	2	21.88	22.14	22.18	23.00
		1	5	22.40	22.28	22.23	23.00
1.4MHz	16QAM	3	0	22.04	22.00	21.85	23.00
		3	2	22.34	21.90	21.69	23.00
		3	3	21.95	22.18	21.85	23.00
		6	0	20.97	20.75	20.67	22.00
		1	0	21.32	21.33	21.28	22.00
		1	2	21.78	21.06	21.09	22.00
		1	5	21.32	21.18	21.14	22.00
	64QAM	3	0	21.95	21.94	21.79	22.00
		3	2	21.26	21.80	21.64	22.00
		3	3	21.88	21.10	21.76	24.00 24.00 24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 21.00 Tune up 24.00 24.00 24.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00 23.00
		6	0	20.89	20.69	20.58	21.00
Donahurialth	Modulation	DD eine	DD offeet	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	20415	20525	20635	rune up
		1	0	23.04	22.82	22.81	24.00
		1	7	22.74	22.98	22.57	24.00
		1	14	23.11	22.92	22.85	24.00
	QPSK	8	0	22.01	21.70	21.81	23.00
		8	4	22.04	21.93	21.70	23.00
		8	7	21.82	22.07	21.84	23.00
		15	0	21.90	21.99	21.96	23.00
		1	0	22.39	22.09	22.33	23.00
		1	7	21.17	21.97	21.15	23.00
3MHz		1	14	21.72	22.34	22.43	23.00
	16QAM	8	0	20.76	20.91	20.86	22.00
		8	4	20.90	20.91	20.92	22.00
		8	7	20.76	20.73	20.86	24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00
		15	0	20.89	20.95	20.76	
		1	0	21.32	21.04	21.24	
		1	7	21.12	21.92	21.09	
	64QAM	1	14	21.64	21.28	21.33	22.00
		8	0	20.70	20.85	20.79	21.00
		8	4	20.81	20.82	20.84	21.00

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			8	7	20.68	20.64	20.77	21.00
			15	0	20.83	20.86	20.69	21.00
	Donduidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
	Bandwidth	Modulation	ND SIZE	KD Ollset	20425	20525	20625	Tune up
			1	0	22.90	22.98	22.89	24.00
			1	13	22.95	23.03	22.93	24.00
			1	24	22.97	22.84	22.78	24.00 24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 21.00 21.00 21.00 21.00 Tune up 24.00 24.00 24.00 23.00
		QPSK	12	0	22.04	22.04	21.96	23.00
			12	6	21.99	22.06	22.00	23.00
			12	13	22.00	22.03	21.90	23.00
			25	0	21.92	21.92	21.98	23.00
			1	0	22.24	22.07	22.11	23.00
			1	13	22.47	22.17	22.28	23.00
			1	24	22.25	22.26	22.34	23.00
	5MHz	16QAM	12	0	20.94	20.96	20.84	22.00
			12	6	21.15	20.94	20.85	22.00
			12	13	21.15	20.84	21.13	22.00
			25	0	20.93	20.92	20.89	22.00
			1	0	21.18	21.02	21.01	22.00
			1	13	21.42	21.09	21.19	22.00
			1	24	21.20	21.17	21.25	22.00
		64QAM	12	0	20.89	20.88	20.75	
			12	6	20.08	20.85	20.79	21.00
			12	13	20.07	20.77	20.07	22.00 22.00 22.00 22.00 22.00 22.00 21.00 21.00 21.00 21.00 - Tune up
			25	0	20.87	20.86	20.83	21.00
	Danaluui altk	Madulation	DD sins	DD offeet	Channel	Channel	Channel	T
•	Bandwidth	Modulation	RB size	RB offset	20450	20525	20600	rune up
			1	0	23.14	23.11	22.89	24.00
				0.5	00.40		00.00	
			1	25	22.48	23.08	22.82	24.00
			1 1	25 49	22.48	23.08 22.72	22.82	
1		QPSK						24.00
		QPSK	1	49	22.97	22.72	22.85	24.00
		QPSK	1 25	49 0	22.97 21.97	22.72 21.97	22.85 22.00	24.00 23.00
		QPSK	1 25 25	49 0 13	22.97 21.97 22.11	22.72 21.97 21.91	22.85 22.00 21.91	24.00 23.00 23.00
		QPSK	1 25 25 25 25	49 0 13 25	22.97 21.97 22.11 22.16	22.72 21.97 21.91 22.00	22.85 22.00 21.91 21.99	24.00 23.00 23.00 23.00
		QPSK	1 25 25 25 25 50	49 0 13 25 0	22.97 21.97 22.11 22.16 21.90	22.72 21.97 21.91 22.00 21.93	22.85 22.00 21.91 21.99 22.02	24.00 23.00 23.00 23.00 23.00
	10MU=	QPSK	1 25 25 25 25 50 1	49 0 13 25 0	22.97 21.97 22.11 22.16 21.90 22.17	22.72 21.97 21.91 22.00 21.93 22.14	22.85 22.00 21.91 21.99 22.02 22.15	24.00 23.00 23.00 23.00 23.00 23.00
	10MHz	QPSK 16QAM	1 25 25 25 25 50 1	49 0 13 25 0 0 25	22.97 21.97 22.11 22.16 21.90 22.17 22.18	22.72 21.97 21.91 22.00 21.93 22.14 21.14	22.85 22.00 21.91 21.99 22.02 22.15 21.02	24.00 23.00 23.00 23.00 23.00 23.00 23.00
	10MHz		1 25 25 25 50 1 1	49 0 13 25 0 0 25 49	22.97 21.97 22.11 22.16 21.90 22.17 22.18 22.35	22.72 21.97 21.91 22.00 21.93 22.14 21.14 22.17	22.85 22.00 21.91 21.99 22.02 22.15 21.02 21.96	24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00
	10MHz		1 25 25 25 50 1 1 1 25	49 0 13 25 0 0 25 49	22.97 21.97 22.11 22.16 21.90 22.17 22.18 22.35 20.89	22.72 21.97 21.91 22.00 21.93 22.14 21.14 22.17 20.76	22.85 22.00 21.91 21.99 22.02 22.15 21.02 21.96 20.88	24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00
	10MHz		1 25 25 25 50 1 1 1 25 25	49 0 13 25 0 0 25 49 0	22.97 21.97 22.11 22.16 21.90 22.17 22.18 22.35 20.89 20.79	22.72 21.97 21.91 22.00 21.93 22.14 21.14 22.17 20.76 20.96	22.85 22.00 21.91 21.99 22.02 22.15 21.02 21.96 20.88 20.93	24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00
	10MHz		1 25 25 25 50 1 1 1 25 25 25	49 0 13 25 0 0 25 49 0 13 25	22.97 21.97 22.11 22.16 21.90 22.17 22.18 22.35 20.89 20.79 20.84	22.72 21.97 21.91 22.00 21.93 22.14 21.14 22.17 20.76 20.96 20.84	22.85 22.00 21.91 21.99 22.02 22.15 21.02 21.96 20.88 20.93 20.88	24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00
	10MHz		1 25 25 25 50 1 1 1 25 25 25 25	49 0 13 25 0 0 25 49 0 13 25 0	22.97 21.97 22.11 22.16 21.90 22.17 22.18 22.35 20.89 20.79 20.84 20.85	22.72 21.97 21.91 22.00 21.93 22.14 21.14 22.17 20.76 20.96 20.84 20.84	22.85 22.00 21.91 21.99 22.02 22.15 21.02 21.96 20.88 20.93 20.88 20.80	24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00
	10MHz	16QAM	1 25 25 50 1 1 25 25 25 50 1 1	49 0 13 25 0 0 25 49 0 13 25 0	22.97 21.97 22.11 22.16 21.90 22.17 22.18 22.35 20.89 20.79 20.84 20.85 21.07	22.72 21.97 21.91 22.00 21.93 22.14 21.14 22.17 20.76 20.96 20.84 20.84 21.05	22.85 22.00 21.91 21.99 22.02 22.15 21.02 21.96 20.88 20.93 20.88 20.80 21.07	24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00
	10MHz		1 25 25 25 50 1 1 1 25 25 25 50 1	49 0 13 25 0 0 25 49 0 13 25 0 0	22.97 21.97 22.11 22.16 21.90 22.17 22.18 22.35 20.89 20.79 20.84 20.85 21.07 21.13	22.72 21.97 21.91 22.00 21.93 22.14 21.14 22.17 20.76 20.96 20.84 20.84 21.05 21.07	22.85 22.00 21.91 21.99 22.02 22.15 21.02 21.96 20.88 20.93 20.88 20.80 21.07 20.96	24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00 22.00
	10MHz	16QAM	1 25 25 25 50 1 1 1 25 25 25 50 1 1	49 0 13 25 0 0 25 49 0 13 25 0 0 25 49	22.97 21.97 22.11 22.16 21.90 22.17 22.18 22.35 20.89 20.79 20.84 20.85 21.07 21.13 21.28	22.72 21.97 21.91 22.00 21.93 22.14 21.14 22.17 20.76 20.96 20.84 20.84 21.05 21.07	22.85 22.00 21.91 21.99 22.02 22.15 21.02 21.96 20.88 20.93 20.88 20.80 21.07 20.96 21.89	24.00 23.00 23.00 23.00 23.00 23.00 23.00 23.00 22.00 22.00 22.00 22.00 22.00 22.00

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50 0 20.78 20.78 20.71 21.00

LTE Band 5 R	eceiver on(Left	t head) +WiF	i on/Hotspot	(Conducted Po	ower(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Baridwidth	Woddiation	ND 3126	ND onset	20407	20525	20643	Turie up
		1	0	17.46	17.30	17.31	19.00
		1	2	17.14	17.17	16.88	19.00
		1	5	17.34	17.30	17.28	19.00
	QPSK	3	0	17.35	17.34	17.27	19.00
		3	2	17.43	17.33	17.27	19.00
		3	3	17.31	17.34	17.35	19.00
		6	0	17.36	17.35	17.28	19.00
		1	0	17.63	17.56	17.45	19.00
		1	2	17.24	17.24	17.33	19.00
		1	5	17.53	17.54	17.54	19.00
1.4MHz	16QAM	3	0	17.36	17.30	17.30	19.00
		3	2	17.33	17.27	17.28	19.00
		3	3	17.27	17.24	17.25	19.00
		6	0	17.28	17.29	17.24	19.00
		1	0	17.53	17.49	17.40	19.00
		1	2	17.17	17.14	17.25	19.00
		1	5	17.43	17.45	17.48	19.00
	64QAM	3	0	17.29	17.25	17.22	19.00
		3	2	17.23	17.22	17.18	19.00
		3	3	17.22	17.14	17.19	19.00
		6	0	17.22	17.21	17.16	19.00
Dan duvidle	Modulation	DD ai=a	DD 0#004	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	20415	20525	20635	Tune up
		1	0	17.51	17.39	17.40	19.00
		1	7	17.21	17.24	16.96	19.00
		1	14	17.43	17.40	17.34	19.00
	QPSK	8	0	17.45	17.42	17.35	19.00
		8	4	17.48	17.38	17.35	19.00
		8	7	17.39	17.43	17.42	19.00
		15	0	17.45	17.43	17.37	19.00
		1	0	17.69	17.64	17.53	19.00
OMIL-		1	7	17.31	17.32	17.40	19.00
3MHz		1	14	17.59	17.61	17.62	19.00
	16QAM	8	0	17.44	17.39	17.36	19.00
		8	4	17.41	17.36	17.35	19.00
		8	7	17.35	17.31	17.33	19.00
		15	0	17.37	17.38	17.31	19.00
		1	0	17.63	17.55	17.45	19.00
	040014	1	7	17.22	17.27	17.33	19.00
	64QAM	1	14	17.53	17.53	17.53	19.00
		8	0	17.39	17.34	17.28	19.00

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-							
		8	4	17.33	17.31	17.30	19.00
		8	7	17.29	17.22	17.23	19.00
	1	15	0	17.29	17.29	17.21	19.00
Dan duri déla	Modulation	DD ains	DD offeet	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	20425	20525	20625	Tune up
		1	0	17.58	17.47	17.48	19.00
		1	13	17.27	17.29	17.02	19.00
		1	24	17.52	17.46	17.44	19.00
	QPSK	12	0	17.54	17.48	17.45	19.00
		12	6	17.54	17.47	17.44	19.00
		12	13	17.47	17.50	17.50	19.00
		25	0	17.51	17.50	17.45	19.00
		1	0	17.74	17.72	17.60	19.00
		1	13	17.37	17.42	17.47	19.00
	1	1	24	17.68	17.70	17.68	19.00
5MHz	16QAM	12	0	17.50	17.46	17.42	19.00
	1	12	6	17.46	17.44	17.44	19.00
	1	12	13	17.44	17.38	17.42	19.00
		25	0	17.44	17.44	17.40	19.00
		1	0	17.68	17.66	17.53	19.00
		1	13	17.31	17.32	17.38	19.00
	†	1	24	17.63	17.63	17.60	19.00
	64QAM	12	0	17.42	17.38	17.32	19.00
	1	12	6	17.38	17.34	17.35	19.00
	†	12	13	17.35	17.33	17.34	19.00
	†	25	0	17.34	17.37	17.33	19.00
5 1 1 1 1 1	N4 1 1 0	55 .	55 " '	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20450	20525	20600	Tune up
		1	0	17.63	17.55	17.54	19.00
		1	25	17.32	17.37	17.12	19.00
		1	49	17.58	17.53	17.51	19.00
	QPSK	25	0	17.64	17.58	17.52	19.00
	†	25	13	17.60	17.57	17.51	19.00
		25	25	17.56	17.56	17.56	19.00
	 	50	0	17.60	17.57	17.54	19.00
		1	0	17.82	17.81	17.66	19.00
		1	25	17.46	17.51	17.54	19.00
10MHz		1	49	17.76	17.79	17.76	19.00
	16QAM	25	0	17.57	17.53	17.48	19.00
		25	13	17.55	17.54	17.49	19.00
		25	25	17.52	17.47	17.48	19.00
		50	0	17.54	17.51	17.48	19.00
		1	0	17.75	17.75	17.61	19.00
		 1	25	17.41	17.42	17.48	19.00
		•	_~				
	64QAM	1	49	17.67	17.70	17.68	19 00
	64QAM	1 25	49 0	17.67 17.48	17.70 17.45	17.68 17.39	19.00 19.00

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	25	25	17.43	17.38	17.42	19.00	
	50	0	17.45	17.43	17.39	19.00	

LTE Ban	d 5 Receiver or on/Hotsp) +WiFi		Conducted P	ower(dBm)	
	on/notsp	ot on			ı		
Bandwidth	Modulation	RB size	RB offset	Channel 20407	Channel 20525	Channel 20643	Tune up
		1	0	16.85	16.82	16.74	40.50
	-	1	2	16.48	16.44	16.74	18.50
	<u> </u>		5				18.50
	QPSK	<u>1</u> 3	0	16.83 16.84	16.73 16.79	16.77 16.76	
	QPSK	3	2		16.79	16.76	
	-	3	3	16.88			
	-			16.80	16.77	16.82	
		6	0	16.83	16.82	16.73	
	-	1	0	17.15	17.08	17.02	
		1	2	16.90	17.11	16.85	
		1	5	17.05	17.09	17.07	
1.4MHz	16QAM	3	0	16.91	16.74	16.73	
	-	3	2	16.75	16.76	16.69	18.50 18.50 18.50 18.50 18.50
		3	3	16.74	16.76	16.72	
		6	0	16.76	16.79	16.67	
		1	0	17.07	16.98	16.94	
		1	2	16.83	17.02	16.78	18.50 18.50 18.50
		1	5	16.96	17.03	17.00	18.50
	64QAM	3	0	16.85	16.65	16.65	18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50 18.50
		3	2	16.70	16.67	16.60	
		3	3	16.68	16.70	16.66	
		6	0	16.70	16.74	16.58	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
Dalluwiuiii	iviodulation	ND SIZE	KD Ollset	20415	20525	20635	Turie up
		1	0	16.91	16.88	16.82	18.50
		1	7	16.58	16.54	16.56	18.50
		1	14	16.89	16.81	16.82	18.50
	QPSK	8	0	16.94	16.86	16.82	18.50
		8	4	16.98	16.87	16.82	18.50
Cal		8	7	16.85	16.86	16.91	18.50
		15	0	16.91	16.88	16.82	18.50
		1	0	17.22	17.16	17.10	18.50
3MHz		1	7	16.98	17.17	16.93	18.50
		1	14	17.11	17.15	17.15	18.50 18.50
	16QAM	8	0	16.96	16.83	16.81	
		8	4	16.84	16.86	16.76	
		8	7	16.82	16.82	16.81	
		15	0	16.86	16.89	16.77	18.50
		1	0	17.15	17.09	17.03	18.50
	64QAM	1	7	16.91	17.08	16.88	18.50
	_	1	14	17.04	17.07	17.06	18.50

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		8	0	16.86	16.76	16.74	18.50
		8	4	16.74	16.80	16.70	18.50
		8	7	16.74	16.76	16.74	18.50
		15	0	16.77	16.81	16.69	18.50
Danduridth	Modulation	DR size	DR offeet	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	20425	20525	20625	Tune up
		1	0	17.01	16.95	16.91	18.50
		1	13	16.65	16.62	16.64	18.50
		1	24	16.94	16.88	16.90	18.50
	QPSK	12	0	17.01	16.95	16.89	18.50
		12	6	17.06	16.96	16.89	18.50
		12	13	16.94	16.91	16.96	18.50
		25	0	17.00	16.96	16.89	18.50
		1	0	17.30	17.24	17.18	18.50
		1	13	17.07	17.25	17.02	18.50
		1	24	17.16	17.23	17.22	18.50
5MHz	16QAM	12	0	17.02	16.92	16.89	18.50
· · · · · · ·		12	6	16.93	16.92	16.85	18.50
		12	13	16.91	16.92	16.88	18.50
		25	0	16.91	16.94	16.83	18.50
		1	0	17.21	17.18	17.09	18.50
		1	13	17.00	17.19	16.95	18.50
		 1	24	17.07	17.16	17.15	18.50
	64QAM	12	0	16.96	16.87	16.81	18.50
	O+Q/\(\vert{V}\)	12	6	16.86	16.84	16.77	18.50
		12	13	16.86	16.86	16.81	18.50
		25	0	16.85	16.85	16.76	18.50
		20	U	Channel	Channel	Channel	10.50
Bandwidth	Modulation	RB size	RB offset	20450	20525	20600	Tune up
		1	0	17.08	17.05	17.00	18.50
		1	25	16.73	16.67	16.70	18.50
	1	1	49	17.04	16.96	16.70	
	QPSK	25	0	17.04	17.04	t	18.50
	QFSK	25	13	17.10	17.04	16.98 16.99	18.50
	-	25	25	17.12			18.50
	-				16.97	17.02	18.50
		50	0	17.08 17.38	17.04	16.95	18.50
		1			17.31	17.26	18.50
10MHz		1	25	17.13	17.33	17.08	18.50
	40001	1	49	17.26	17.32	17.31	18.50
	16QAM	25	0	17.08	16.98	16.98	18.50
		25	13	17.00	17.00	16.94	18.50
		25	25	16.98	16.98	16.97	18.50
		50	0	17.01	17.01	16.93	18.50
		1	0	17.28	17.23	17.18	18.50
	64QAM	1	25	17.06	17.24	17.00	18.50
		1	49	17.17	17.25	17.23	18.50
		25	0	16.99	16.92	16.91	18.50

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25	13	16.92	16.91	16.89	18.50
25	25	16.92	16.89	16.89	18.50
50	0	16.95	16.95	16.86	18.50

LTE Band	d 5 Receiver off on/Hotsp		e)+WiFi	Conducted Power(dBm)				
D 1 1/1-	Mad Jacan	DD -: -	DD - (' 1	Channel	Channel	Channel	т	
Bandwidth	Modulation	RB size	RB offset	20407	20525	20643	Tune up	
		1	0	20.01	19.97	19.93	21.00	
		1	2	19.37	20.03	19.25	21.00	
		1	5	19.96	19.92	19.85	21.00	
	QPSK	3	0	20.01	19.88	19.56	21.00	
		3	2	19.85	19.76	19.84	21.00	
		3	3	19.94	19.51	19.95	21.00	
		6	0	19.23	19.94	19.83	21.00	
		1	0	20.12	20.34	19.88	21.00	
		1	2	20.26	20.26	20.33	21.00	
		1	5	20.10	20.06	20.02	21.00	
1.4MHz	16QAM	3	0	20.12	19.81	19.82	21.00	
		3	2	19.32	19.73	19.69	21.00	
		3	3	19.88	20.12	19.51	21.00	
		6	0	19.62	20.05	19.67	21.00	
		1	0	20.04	20.29	19.79	21.00	
		1	2	20.19	20.19	20.26	21.00	
	64QAM	1	5	20.01	20.01	19.93	21.00	
		3	0	20.05	19.74	19.76	21.00	
		3	2	19.26	19.64	19.64	21.00	
		3	3	19.82	20.05	19.42	21.00	
		6	0	19.53	19.99	19.57	21.00	
Danahudalkh	Modulation	DD ai=a	DD offeet	Channel	Channel	Channel	Tunatun	
Bandwidth	Modulation	RB size	RB offset	20415	20525	20635	Tune up	
		1	0	20.10	19.84	19.84	21.00	
		1	7	20.25	19.87	18.52	21.00	
		1	14	20.00	19.96	19.86	21.00	
	QPSK	8	0	20.00	19.82	19.79	21.00	
		8	4	19.99	19.92	19.84	21.00	
		8	7	19.57	19.99	19.87	21.00	
		15	0	19.88	19.76	19.99	21.00	
OMIL-		1	0	20.27	20.42	20.20	21.00	
3MHz		1	7	19.04	20.22	20.20	21.00	
		1	14	20.09	20.17	20.09	21.00	
	16QAM	8	0	19.83	19.86	19.83	21.00	
		8	4	19.90	19.76	19.49	21.00	
		8	7	19.97	19.90	19.56	21.00	
		15	0	19.95	19.84	19.82	21.00	
	040014	1	0	20.18	20.40	20.12	21.00	
	64QAM	1	7	18.95	20.14	20.11	21.00	

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		1	14	20.03	20.11	20.04	21.00
		8	0	19.73	19.78	19.77	21.00
		8	4	19.83	19.67	19.41	21.00
		8	7	19.89	19.83	19.46	21.00
		15	0	19.88	19.77	19.73	21.00
Dan duvidála	Modulation	DD cizo	DR offeet	Channel	Channel	Channel	Tuna un
Bandwidth	Modulation	RB size	RB offset	20425	20525	20625	Tune up
		1	0	19.94	19.92	19.94	21.00
		1	13	20.11	19.87	19.86	21.00
		1	24	19.88	19.77	19.75	21.00
	QPSK	12	0	20.08	20.02	19.88	21.00
		12	6	19.91	19.89	19.71	21.00
		12	13	20.01	19.89	19.91	21.00
		25	0	19.93	19.86	19.87	21.00
		1	0	20.38	20.38	20.22	21.00
		1	13	20.36	20.29	20.01	21.00
		1	24	20.35	20.35	19.49	21.00
5MHz	16QAM	12	0	19.97	19.87	19.85	21.00
		12	6	19.81	19.86	19.96	21.00
		12	13	19.90	19.95	19.84	21.00
		25	0	19.97	19.76	19.72	21.00
		1	0	20.28	20.31	20.12	21.00
		1	13	20.27	20.22	19.94	21.00
		1	24	20.26	20.27	19.41	21.00
	64QAM	12	0	19.88	19.78	19.77	21.00
		12	6	19.73	19.81	19.90	21.00
		12	13	19.82	19.89	19.76	21.00
		25	0	19.90	19.67	19.67	21.00
			55 "	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20450	20525	20600	Tune u
		1	0	20.08	19.85	19.88	21.00
				20.00	13.00		21.00
		1					
		1	25	20.33	19.99	20.20	21.00
	QPSK	1	25 49	20.33 19.96	19.99 19.81	20.20 19.95	21.00 21.00
	QPSK	1 25	25 49 0	20.33 19.96 20.01	19.99 19.81 19.95	20.20 19.95 19.89	21.00 21.00 21.00
	QPSK	1 25 25	25 49 0 13	20.33 19.96 20.01 19.87	19.99 19.81 19.95 19.81	20.20 19.95 19.89 19.86	21.00 21.00 21.00 21.00
	QPSK	1 25 25 25 25	25 49 0 13 25	20.33 19.96 20.01 19.87 19.96	19.99 19.81 19.95 19.81 19.93	20.20 19.95 19.89 19.86 19.87	21.00 21.00 21.00 21.00 21.00
	QPSK	1 25 25 25 25 50	25 49 0 13 25 0	20.33 19.96 20.01 19.87 19.96 19.89	19.99 19.81 19.95 19.81 19.93 19.84	20.20 19.95 19.89 19.86 19.87 19.82	21.00 21.00 21.00 21.00 21.00 21.00
10MHz	QPSK	1 25 25 25 25	25 49 0 13 25	20.33 19.96 20.01 19.87 19.96	19.99 19.81 19.95 19.81 19.93	20.20 19.95 19.89 19.86 19.87 19.82 20.43	21.00 21.00 21.00 21.00 21.00 21.00 21.00
10MHz	QPSK	1 25 25 25 25 50 1	25 49 0 13 25 0	20.33 19.96 20.01 19.87 19.96 19.89 20.21 19.75	19.99 19.81 19.95 19.81 19.93 19.84 20.36 20.42	20.20 19.95 19.89 19.86 19.87 19.82 20.43 19.83	21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
10MHz		1 25 25 25 25 50 1 1	25 49 0 13 25 0 0 25 49	20.33 19.96 20.01 19.87 19.96 19.89 20.21 19.75 20.00	19.99 19.81 19.95 19.81 19.93 19.84 20.36 20.42 20.11	20.20 19.95 19.89 19.86 19.87 19.82 20.43 19.83 20.31	21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
10MHz	QPSK 16QAM	1 25 25 25 50 1 1 1 25	25 49 0 13 25 0 0 25 49	20.33 19.96 20.01 19.87 19.96 19.89 20.21 19.75 20.00 19.81	19.99 19.81 19.95 19.81 19.93 19.84 20.36 20.42 20.11 19.89	20.20 19.95 19.89 19.86 19.87 19.82 20.43 19.83 20.31 19.85	21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
10MHz		1 25 25 25 50 1 1 1 25 25	25 49 0 13 25 0 0 25 49 0	20.33 19.96 20.01 19.87 19.96 19.89 20.21 19.75 20.00 19.81 19.82	19.99 19.81 19.95 19.81 19.93 19.84 20.36 20.42 20.11 19.89 19.82	20.20 19.95 19.89 19.86 19.87 19.82 20.43 19.83 20.31 19.85 19.92	21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
10MHz		1 25 25 25 50 1 1 1 25 25 25	25 49 0 13 25 0 0 25 49 0 13 25	20.33 19.96 20.01 19.87 19.96 19.89 20.21 19.75 20.00 19.81 19.82 19.90	19.99 19.81 19.95 19.81 19.93 19.84 20.36 20.42 20.11 19.89 19.82 19.83	20.20 19.95 19.89 19.86 19.87 19.82 20.43 19.83 20.31 19.85 19.92 19.87	21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
10MHz		1 25 25 25 50 1 1 1 25 25 25 25	25 49 0 13 25 0 0 25 49 0 13 25 0	20.33 19.96 20.01 19.87 19.96 19.89 20.21 19.75 20.00 19.81 19.82 19.90 19.95	19.99 19.81 19.95 19.81 19.93 19.84 20.36 20.42 20.11 19.89 19.82 19.83 19.85	20.20 19.95 19.89 19.86 19.87 19.82 20.43 19.83 20.31 19.85 19.92 19.87 19.88	21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
10MHz		1 25 25 25 50 1 1 1 25 25 25	25 49 0 13 25 0 0 25 49 0 13 25	20.33 19.96 20.01 19.87 19.96 19.89 20.21 19.75 20.00 19.81 19.82 19.90	19.99 19.81 19.95 19.81 19.93 19.84 20.36 20.42 20.11 19.89 19.82 19.83	20.20 19.95 19.89 19.86 19.87 19.82 20.43 19.83 20.31 19.85 19.92 19.87	21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00

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_						
	25	0	19.74	19.84	19.77	21.00
	25	13	19.74	19.72	19.85	21.00
	25	25	19.82	19.74	19.77	21.00
	50	0	19.86	19.77	19.82	21.00

LTE	Band 7 Receive	er on(Left hea	ad)		Conducted P	ower(dBm)	
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20775	21100	21425	Tune up
		1	0	14.38	14.79	14.56	15.10
		1	13	14.42	14.21	14.03	15.10
		1	24	14.10	14.21	14.07	15.10
	QPSK	12	0	14.24	14.70	14.20	15.10
		12	6	14.14	14.31	14.05	15.10
		12	13	14.12	14.07	13.85	15.10
		25	0	14.13	14.48	14.14	15.10
		1	0	14.77	14.71	14.62	15.10
	V	1	13	14.37	14.81	14.76	15.10
		1	24	14.54	14.21	14.56	15.10
5MHz	16QAM	12	0	14.21	14.40	14.09	15.10
		12	6	14.12	14.05	14.14	15.10
		12	13	14.11	14.14	14.09	15.10
		25	0	13.98	14.10	14.13	15.10
		1	0	14.58	14.66	14.34	15.10
		1	13	14.73	14.39	14.51	15.10
		1	24	13.65	14.07	14.04	15.10
	64QAM	12	0	14.47	14.55	14.11	15.10
		12	6	14.23	14.54	14.21	15.10
		12	13	14.12	14.49	14.09	15.10
		25	0	14.52	14.40	14.01	15.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danawidin	Woddiation	IVD SIZE	IND Ollset	20800	21100	21400	Tune up
		1	0	13.53	14.08	13.93	15.10
		1	25	14.27	14.29	14.34	15.10
		1	49	13.27	13.18	13.41	15.10
	QPSK	25	0	14.38	14.62	14.56	15.10
1 600		25	13	14.19	14.13	14.48	15.10
46		25	25	14.08	14.38	14.04	15.10
		50	0	14.16	14.14	14.52	15.10
10MHz		1	0	13.90	14.38	14.16	15.10
		1	25	14.66	14.84	14.67	15.10
		1	49	13.46	13.75	13.47	15.10
	16QAM	25	0	14.28	14.32	14.61	15.10
	4	25	13	14.33	14.28	14.37	15.10
		25	25	14.12	14.33	13.90	15.10
		50	0	14.13	14.04	14.21	15.10
	64QAM	1	0	14.07	14.43	14.19	15.10

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144							
		1	25	13.75	14.23	14.18	15.10
		1	49	13.60	13.43	13.46	15.10
		25	0	14.28	14.38	14.75	15.10
		25	13	14.40	14.32	14.29	15.10
		25	25	14.31	14.28	14.54	15.10
		50	0	14.31	14.47	14.75	15.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
Danawiani	Modulation	KD SIZE	KD Ollset	20825	21100	21375	Tune up
		1	0	13.65	14.02	13.89	15.10
		1	38	14.00	14.22	14.64	15.10
		1	74	14.56	13.97	14.02	15.10
	QPSK	36	0	14.42	14.44	14.61	15.10
		36	18	14.32	14.21	14.45	15.10
		36	39	14.22	14.21	14.18	15.10
		75	0	14.34	14.44	14.54	15.10
		1	0	13.54	14.06	14.46	15.10
		1	38	14.35	14.92	14.95	15.10
		1	74	14.64	14.33	14.48	15.10
15MHz	16QAM	36	0	14.23	14.78	14.52	15.10
-		36	18	14.23	14.07	14.62	15.10
		36	39	14.22	14.06	14.47	15.10
		75	0	14.28	14.27	14.49	15.10
		1	0	13.49	14.25	14.74	15.10
		1	38	14.20	14.74	14.47	15.10
		1	74	14.52	14.18	14.40	15.10
	64QAM	36	0	14.43	14.89	14.96	15.10
	0 100 1111	36	18	14.27	14.60	14.59	15.10
		36	39	14.28	14.24	14.21	15.10
		75	0	14.35	14.41	14.67	15.10
		73		Channel	Channel	Channel	13.10
Bandwidth	Modulation	RB size	RB offset	20850	21100	21350	Tune up
		1	0	13.80	14.32	13.82	15.10
		1	50	14.37	14.54	14.50	15.10
		1	99	14.13	13.46	13.62	
	QPSK	50	0	14.13	14.85		15.10
	QPSK		25			14.66	15.10
		50		14.09	14.47	14.65	15.10
		50	50	14.79	14.42	14.27	15.10
		100	0	14.67	14.34	14.61	15.10
20MHz		1	0	13.78	14.64	14.25	15.10
		1	50	13.84	14.75	14.97	15.10
	400	1 50	99	14.13	13.90	14.17	15.10
	16QAM	50	0	14.45	14.39	14.66	15.10
		50	25	14.28	14.15	14.61	15.10
	1	50	50	14.52	14.38	14.28	15.10
		100	0	14.71	14.26	14.76	15.10
	64QAM	1	0	14.16	14.91	13.86	15.10
	OTQ/NIVI	1	50	13.73	14.37	14.82	15.10

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1	99	14.26	13.56	14.00	15.10
50	0	14.46	14.90	14.95	15.10
50	25	14.39	14.43	14.65	15.10
50	50	14.58	14.51	14.33	15.10
100	0	14.54	14.48	14.96	15.10

I TE I	Band 7 Receive	r on(Right he	ead)		Conducted P	ower(dBm)	
	Jana / Receive	- On(reigne ne	,uu,				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danaman	Wicdaiation	110 0120		20775	21100	21425	
		1	0	10.95	11.08	10.57	11.60
		1	13	10.86	10.63	10.69	11.60
		1	24	10.66	10.84	10.02	11.60
	QPSK	12	0	11.14	10.81	10.71	11.60
		12	6	10.54	10.77	10.69	11.60
		12	13	10.63	10.94	10.79	11.60
		25	0	10.64	10.67	10.66	11.60
		1	0	11.33	11.35	11.23	11.60
		1	13	11.14	10.77	10.76	11.60
		1	24	10.96	11.04	11.31	11.60
5MHz	16QAM	12	0	11.18	10.78	11.14	11.60
		12	6	10.50	10.95	10.60	11.60
		12	13	10.41	10.85	10.56	11.60
		25	0	10.72	10.71	10.71	11.60
		1	0	11.34	11.31	11.32	11.60
		1	13	10.70	11.16	11.03	11.60
	64QAM	1	24	10.76	11.15	10.65	11.60
		12	0	11.00	10.89	11.03	11.60
		12	6	10.78	11.02	10.80	11.60
		12	13	10.63	10.96	10.99	11.60
		25	0	10.86	10.70	10.86	11.60
Donalis i altib	Modulation	DD ai=a	DD offeet	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	20800	21100	21400	Tune up
		1	0	10.12	10.70	10.32	11.60
		1	25	10.14	11.18	11.16	11.60
		1	49	10.10	9.73	10.12	11.60
	QPSK	25	0	10.71	11.06	10.98	11.60
		25	13	10.56	10.50	10.76	11.60
		25	25	10.53	10.34	10.51	11.60
408411-		50	0	10.72	10.82	10.98	11.60
10MHz		1	0	9.98	10.69	10.76	11.60
		1	25	10.41	10.77	11.35	11.60
		1	49	9.81	10.36	9.90	11.60
	16QAM	25	0	10.54	10.68	11.02	11.60
		25	13	10.55	10.63	10.58	11.60
		25	25	10.68	10.77	10.99	11.60
		50	0	10.54	10.59	10.87	11.60

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		1	0	10.51	10.41	10.76	11.60
		1	25	11.21	11.01	11.16	11.60
		1	49	10.19	10.25	10.00	11.60
	64QAM	25	0	10.95	11.02	11.31	11.60
		25	13	10.93	11.19	10.92	11.60
		25	25	10.70	10.45	10.49	11.60
		50	0	10.81	10.95	11.22	11.60
D b 16b	Maril India	DD -1	DD - (()	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20825	21100	21375	Tune up
		1	0	10.25	10.56	10.03	11.60
		1	38	10.81	10.59	11.35	11.60
		1	74	11.00	10.54	10.97	11.60
	QPSK	36	0	10.80	10.98	11.22	11.60
		36	18	10.49	10.76	10.99	11.60
		36	39	10.99	10.80	11.14	11.60
		75	0	10.84	10.86	11.05	11.60
		1	0	10.28	10.56	10.55	11.60
		1	38	11.35	10.61	10.63	11.60
		1	74	11.31	10.58	11.32	11.60
15MHz	16QAM	36	0	10.88	11.02	11.10	11.60
	100,	36	18	10.69	10.49	11.00	11.60
		36	39	10.61	10.77	10.64	11.60
		75	0	10.60	10.80	10.88	11.60
		1	0	10.59	10.92	10.84	11.60
		1	38	11.35	11.29	11.11	11.60
		1	74	11.32	10.28	10.87	11.60
	64QAM	36	0	11.02	11.24	11.14	11.60
	0+Q/\livi	36	18	10.34	11.09	11.13	11.60
		36	39	10.84	10.64	10.83	11.60
		75	0	10.76	10.04	11.27	11.60
		73	U	Channel	Channel	Channel	11.00
Bandwidth	Modulation	RB size	RB offset	20850	21100	21350	Tune up
		1	0	10.74		10.12	11.60
		1	50	10.74	10.73 10.59	11.22	11.60
		1		10.54			11.60
	ODCK	•	99		9.77	10.12	11.60
	QPSK	50	0	10.72	11.01	11.35	11.60
		50	25	10.77	10.99	11.28	11.60
		50	50	11.31	10.82	11.36	11.60
008411		100	0	10.75	10.86	10.96	11.60
20MHz		1	0	11.25	11.10	10.37	11.60
		1	50	11.10	10.97	11.05	11.60
	400411	1 50	99	11.16	10.33	10.48	11.60
	16QAM	50	0	10.80	11.07	11.21	11.60
		50	25	10.89	11.08	11.15	11.60
		50	50	10.97	10.76	10.87	11.60
		100	0	10.96	10.70	10.73	11.60
	64QAM	1	0	10.26	11.21	10.46	11.60

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1	50	10.40	10.99	10.83	11.60
1	99	11.13	9.74	10.46	11.60
50	0	10.92	11.26	11.16	11.60
50	25	10.68	10.72	11.10	11.60
50	50	10.91	10.86	10.95	11.60
100	0	10.93	10.98	11.04	11.60

LTED	7 D	off (Dodge Co		Conducted Power(dBm)					
LIEB	and 7 Receiver	off (Body Sc	ene)		Conducted P	ower(aBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
Balluwidili	Wodulation	KD SIZE	KB oliset	20775	21100	21425	Turie up		
		1	0	17.96	18.45	18.22	19.10		
		1	13	18.12	17.82	17.64	19.10		
	QPSK	1	24	17.79	17.87	17.79	19.10		
		12	0	18.14	18.37	18.15	19.10		
		12	6	17.95	18.28	17.87	19.10		
		12	13	17.91	18.02	17.77	19.10		
	The state of the s	25	0	17.83	18.04	17.88	19.10		
		1	0	18.37	18.65	18.30	19.10		
		1	13	18.26	18.76	18.02	19.10		
		1	24	17.88	18.37	17.76	19.10		
5MHz	16QAM	12	0	18.13	18.41	17.78	19.10		
		12	6	18.09	18.34	17.57	19.10		
		12	13	17.92	17.95	17.91	19.10		
		25	0	17.63	18.10	17.89	19.10		
	64QAM	1	0	18.30	18.87	18.59	19.10		
		1	13	18.30	18.37	18.12	19.10		
		1	24	18.17	18.16	18.20	19.10		
		12	0	18.29	18.60	18.33	19.10		
		12	6	18.38	18.12	17.96	19.10		
		12	13	18.18	18.29	17.96	19.10		
		25	0	17.89	18.25	17.97	19.10		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
Danawidin	Wodulation	IND SIZE	IVD Oliset	20800	21100	21400	Tune up		
		1	0	17.46	17.94	17.68	19.10		
		1	25	17.66	17.82	18.39	19.10		
7 6000		1	49	17.12	17.23	17.35	19.10		
	QPSK	25	0	17.75	18.33	18.38	19.10		
		25	13	17.98	18.22	17.82	19.10		
		25	25	17.92	17.97	17.55	19.10		
10MHz		50	0	18.01	18.21	18.27	19.10		
		1	0	17.70	17.80	17.99	19.10		
		1	25	17.40	18.06	18.85	19.10		
	16QAM	1	49	17.31	17.11	17.13	19.10		
	IOQAW	25	0	17.96	18.31	18.26	19.10		
		25	13	17.79	18.08	17.82	19.10		
		25	25	17.78	17.97	17.54	19.10		

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			50	0	17.94	18.02	18.13	19.10
			1	0	17.60	18.09	17.86	19.10
			1	25	17.98	18.20	18.89	19.10
			1	49	17.31	17.47	17.49	19.10
		64QAM	25	0	18.10	18.55	18.49	19.10
			25	13	18.08	18.09	18.02	19.10
			25	25	17.85	17.99	17.96	19.10
			50	0	18.04	18.22	18.44	19.10
	S 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Madulatian	DD -:	DD -#	Channel	Channel	Channel	T
	Bandwidth	Modulation	RB size	RB offset	20825	21100	21375	Tune up
			1	0	17.43	17.67	17.69	19.10
			1	38	18.01	17.94	18.49	19.10
			1	74	18.11	17.69	17.92	19.10
		QPSK	36	0	18.16	18.40	18.51	19.10
			36	18	17.86	18.07	18.46	19.10
			36	39	18.01	17.96	17.92	19.10
			75	0	18.20	18.32	18.42	19.10
		N. Carlotte	1	0	17.54	17.58	17.90	19.10
			1	38	18.16	18.29	18.87	19.10
		16QAM	1	74	18.06	17.66	18.13	19.10
	15MHz		36	0	18.01	18.37	18.27	19.10
			36	18	17.87	17.95	18.28	19.10
			36	39	18.03	17.89	17.93	19.10
			75	0	17.95	18.10	18.20	19.10
			1	0	17.19	18.49	18.04	19.10
		64QAM	1	38	17.76	18.29	18.89	19.10
			1	74	18.89	18.17	18.40	19.10
			36	0	18.20	18.63	18.60	19.10
			36	18	18.05	17.99	18.38	19.10
			36	39	18.03	17.81	18.06	19.10
			75	0	18.25	18.34	18.50	19.10
_	Damahari dili	Moduletien	DD -:	DD 6#5-1	Channel	Channel	Channel	
-	Bandwidth	Modulation	RB size	RB offset	20850	21100	21350	Tune up
			1	0	17.56	18.07	17.75	19.10
			1	50	17.82	18.53	17.54	19.10
			1	99	17.90	17.13	17.30	19.10
		QPSK	50	0	18.19	18.28	18.36	19.10
			50	25	18.08	17.99	18.39	19.10
			50	50	18.33	17.94	17.95	19.10
	000411		100	0	18.28	18.33	18.44	19.10
	20MHz		1	0	18.03	17.85	18.17	19.10
			1	50	17.71	17.51	17.99	19.10
			1	99	18.02	17.38	17.91	19.10
		16QAM	50	0	18.15	18.47	18.27	19.10
			50	25	17.99	18.09	18.90	19.10
			50	50	18.39	17.83	18.32	19.10
			100	0	18.20	18.07	18.40	19.10

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	1	0	18.19	18.56	17.88	19.10
	1	50	18.10	18.41	18.57	19.10
	1	99	18.03	17.18	17.41	19.10
64QAM	50	0	18.25	18.58	18.63	19.10
	50	25	18.06	18.37	18.54	19.10
	50	50	18.84	18.08	18.37	19.10
	100	0	18.48	18.41	18.49	19.10

LTE Band 7 R	eceiver on(Left	t head) +WiFi	Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
			0	20775	21100	21425	40.00
		1	0	13.07	12.84	13.42	13.60
	QPSK	1	13	12.78	12.82	12.82	13.60
		1	24	12.61	12.08	12.56	13.60
	QPSK	12	0	13.17	12.65	12.71	13.60
		12	6	12.54	12.68	12.60	13.60
		12	13	12.35	12.69	12.74	13.60
		25	0	12.89	12.68	12.72	13.60
		1	0	13.03	13.43	13.14	13.60
		1	13	13.06	13.04	13.52	13.60
	400 414	1	24	12.82	12.97	12.32	13.60
5MHz	16QAM	12	0	13.23	12.76	13.07	13.60
		12	6	12.55	12.87	12.60	13.60
		12	13	12.33	12.79	12.81	13.60
		25	0	12.70	12.72	12.49	13.60
	64QAM	1	0	13.42	13.38	13.44	13.60
		1	13	13.02	12.88	13.39	13.60
		1	24	13.28	12.81	13.14	13.60
		12	0	12.96	12.99	13.02	13.60
		12	6	12.98	13.11	12.76	13.60
		12	13	12.94	12.92	12.87	13.60
		25	0	12.98	13.05	12.91	13.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danawiath	Modulation	110 3120	TO Oliset	20800	21100	21400	Tune up
		1	0	12.05	12.50	12.35	13.60
		1	25	11.93	11.88	12.83	13.60
		1	49	12.02	11.83	11.71	13.60
	QPSK	25	0	12.58	13.05	13.03	13.60
		25	13	12.57	12.81	12.75	13.60
10MHz		25	25	12.60	12.87	12.74	13.60
IUIVITZ		50	0	12.51	12.68	12.92	13.60
		1	0	12.49	13.06	12.65	13.60
		1	25	12.69	13.44	12.88	13.60
	16QAM	1	49	11.97	12.11	11.79	13.60
		25	0	12.72	12.97	13.30	13.60
		25	13	12.68	12.49	12.89	13.60

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		25	25	12.67	12.80	12.24	13.60
		50	0	12.62	13.01	12.73	13.60
		1	0	11.90	12.71	12.38	13.60
		1	25	12.64	12.55	13.36	13.60
		1	49	12.07	11.92	11.76	13.60
	64QAM	25	0	12.94	13.46	13.34	13.60
		25	13	12.85	12.70	12.89	13.60
		25	25	12.79	12.54	12.98	13.60
		50	0	12.86	12.88	13.11	13.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
bandwidth	Modulation	RD SIZE	RD Ollset	20825	21100	21375	Tune up
		1	0	12.32	12.63	12.29	13.60
		1	38	12.38	12.79	13.23	13.60
		1	74	13.21	12.40	13.16	13.60
	QPSK	36	0	12.58	13.00	13.01	13.60
		36	18	12.70	12.53	12.82	13.60
		36	39	12.68	12.59	12.96	13.60
		75	0	12.68	12.66	12.98	13.60
		1	0	12.35	13.10	12.76	13.60
		1	38	13.40	13.10	13.20	13.60
		1	74	13.48	12.67	12.65	13.60
15MHz	16QAM	36	0	12.73	13.12	12.87	13.60
		36	18	12.72	12.48	12.64	13.60
		36	39	12.62	12.48	12.72	13.60
		75	0	12.77	12.57	12.90	13.60
		1	0	12.76	12.84	12.47	13.60
		1	38	12.62	12.87	13.01	13.60
		1	74	12.97	12.12	12.85	13.60
	64QAM	36	0	12.93	13.43	13.24	13.60
		36	18	12.96	12.74	13.17	13.60
		36	39	12.91	12.77	13.21	13.60
		75	0	12.84	12.96	13.25	13.60
Don deside	Modulation	DD ains	DD offset	Channel	Channel	Channel	Tuna
Bandwidth	Modulation	RB size	RB offset	20850	21100	21350	Tune up
		1	0	12.73	12.76	12.18	13.60
Ca		1	50	12.93	13.03	12.60	13.60
7 6		1	99	12.81	11.83	12.17	13.60
	QPSK	50	0	12.83	13.20	13.29	13.60
		50	25	12.81	12.58	12.96	13.60
		50	50	12.90	12.86	12.95	13.60
20MHz		100	0	12.90	12.86	12.96	13.60
		1	0	12.62	13.54	12.63	13.60
		1	50	12.96	12.64	13.05	13.60
	160414	1	99	12.90	11.76	12.58	13.60
	16QAM	50	0	12.77	13.22	12.80	13.60
		50	25	12.80	12.67	13.19	13.60
		50	50	13.56	12.41	12.80	13.60

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	100	0	12.83	12.69	12.74	13.60
	1	0	13.14	12.93	12.77	13.60
	1	50	12.86	12.14	13.54	13.60
	1	99	12.54	12.30	12.78	13.60
64QAM	50	0	12.97	13.26	13.26	13.60
	50	25	12.88	13.21	13.13	13.60
	50	50	13.11	12.88	13.02	13.60
	100	0	12.96	12.98	13.07	13.60

LTE Ban	d 7 Receiver or on/Hotsp	Conducted Power(dBm)					
Dan duri dala	Madulatian	DD -:	DD -#+	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	20775	21100	21425	Tune up
		1	0	9.21	9.80	9.67	10.10
		1	13	8.90	9.09	9.03	10.10
		1	24	8.48	8.61	8.75	10.10
	QPSK	12	0	9.14	9.40	9.42	10.10
		12	6	8.91	9.18	9.12	10.10
		12	13	8.63	8.89	8.85	10.10
		25	0	8.86	9.08	9.15	10.10
		1	0	10.04	9.89	9.97	10.10
		1	13	9.58	9.69	9.85	10.10
		1	24	8.76	8.89	9.01	10.10
5MHz	16QAM	12	0	9.21	9.41	9.37	10.10
1 8 1		12	6	8.98	9.19	9.21	10.10
		12	13	8.78	8.86	8.91	10.10
		25	0	8.92	9.17	9.14	10.10
		1	0	9.36	9.32	9.97	10.10
	64QAM	1	13	9.16	10.03	9.90	10.10
		1	24	8.63	8.77	8.35	10.10
		12	0	9.41	9.74	9.34	10.10
		12	6	8.82	9.22	9.70	10.10
		12	13	8.69	8.87	9.21	10.10
		25	0	9.20	9.25	9.81	10.10
Donduidth	Modulation	DD oizo	RB offset	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RD Ollset	20800	21100	21400	Tune up
		1	0	8.57	9.36	9.34	10.10
		1	25	8.82	9.22	9.65	10.10
		1	49	8.20	8.48	8.17	10.10
	QPSK	25	0	9.08	9.51	9.94	10.10
		25	13	8.67	9.10	9.39	10.10
10MHz		25	25	8.61	8.71	9.02	10.10
		50	0	9.06	9.14	9.53	10.10
		1	0	8.67	9.44	9.52	10.10
	16QAM	1	25	9.55	9.45	10.07	10.10
	IOQAW	1	49	8.26	8.29	8.13	10.10
		25	0	9.07	9.49	9.97	10.10

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100							
		25	13	8.72	9.11	9.38	10.10
		25	25	8.67	8.75	9.00	10.10
		50	0	9.10	9.15	9.61	10.10
		1	0	10.02	10.03	9.95	10.10
		1	25	9.45	9.74	9.19	10.10
		1	49	8.54	8.76	9.05	10.10
	64QAM	25	0	9.49	9.68	9.65	10.10
	\	25	13	9.25	9.48	9.21	10.10
		25	25	8.80	9.17	9.00	10.10
		50	0	9.14	9.26	9.32	10.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up
Danuwium	IVIOGUIALIOTI	KD SIZE	KD Ollset	20825	21100	21375	Tune up
		1	0	8.71	9.50	9.25	10.10
		1	38	8.89	8.99	9.95	10.10
		1	74	9.60	8.25	8.89	10.10
	QPSK	36	0	9.21	10.00	9.86	10.10
		36	18	8.78	9.10	9.79	10.10
		36	39	8.96	8.59	9.36	10.10
		75	0	9.06	9.08	9.96	10.10
		1	0	9.13	9.94	9.84	10.10
		1	38	9.55	9.32	10.05	10.10
		1	74	9.74	8.95	9.11	10.10
15MHz	16QAM	36	0	9.33	9.99	9.83	10.10
		36	18	8.79	9.18	9.77	10.10
		36	39	8.90	8.59	9.38	10.10
		75	0	9.10	9.13	9.94	10.10
		1	0	9.06	9.79	9.80	10.10
		1	38	8.95	9.40	9.89	10.10
		1	74	9.47	8.23	9.16	10.10
	64QAM	36	0	9.56	9.76	9.99	10.10
		36	18	8.83	9.18	9.96	10.10
		36	39	9.01	8.68	9.55	10.10
		75	0	9.13	9.26	9.68	10.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
Danawiath	iviodulation	RD SIZE	RD Ollset	20850	21100	21350	Tune up
		1	0	9.15	10.01	8.92	10.10
		1	50	8.85	9.05	9.85	10.10
		1	99	9.74	8.64	8.54	10.10
	QPSK	50	0	9.18	9.93	9.89	10.10
		50	25	8.89	9.16	9.92	10.10
201411-		50	50	9.85	8.76	9.57	10.10
20MHz		100	0	9.61	9.17	9.84	10.10
		1	0	9.57	9.86	9.02	10.10
		1	50	9.48	9.56	10.01	10.10
	16QAM	1	99	10.08	8.81	9.16	10.10
		50	0	9.18	9.90	9.85	10.10
	1		25	8.94	1	9.90	t

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	50	50	9.83	8.76	9.59	10.10
	100	0	9.63	9.17	9.86	10.10
	1	0	9.58	9.75	9.64	10.10
	1	50	9.34	9.63	10.05	10.10
	1	99	10.06	9.01	8.83	10.10
64QAM	50	0	9.39	10.06	10.01	10.10
	50	25	8.89	9.31	10.02	10.10
	50	50	9.84	8.88	9.63	10.10
	100	0	9.70	9.33	9.98	10.10

LTE Band	d 7 Receiver off on/Hotsp	`	Conducted Power(dBm)				
				Channel	Channel	Channel	_
Bandwidth	Modulation	RB size	RB offset	20850	21100	21350	Tune up
		1	0	16.79	16.78	16.74	17.60
		1	13	16.43	16.81	16.38	17.60
		1	24	16.15	16.39	16.39	17.60
	QPSK	12	0	16.64	16.89	16.46	17.60
		12	6	16.51	16.82	16.34	17.60
		12	13	16.40	16.77	16.42	17.60
		25	0	16.40	16.91	16.40	17.60
		1	0	16.56	16.66	16.89	17.60
		1	13	16.59	16.87	16.43	17.60
		1	24	16.43	17.06	16.52	17.60
5MHz	16QAM	12	0	16.42	16.79	16.83	17.60
		12	6	16.73	16.72	16.33	17.60
		12	13	16.09	16.26	16.16	17.60
		25	0	16.43	16.56	16.35	17.60
	64QAM	1	0	17.17	17.12	16.78	17.60
		1	13	16.54	17.11	17.03	17.60
		1	24	16.80	17.01	16.61	17.60
		12	0	16.96	17.02	17.01	17.60
		12	6	16.71	16.98	16.79	17.60
		12	13	16.77	16.57	16.63	17.60
		25	0	16.58	16.99	16.34	17.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung un
Danuwidin	Modulation	IND SIZE	IND Ollset	20825	21100	21375	Tune up
		1	0	15.96	16.45	16.32	17.60
		1	25	16.27	16.48	16.45	17.60
		1	49	15.62	15.63	15.77	17.60
	QPSK	25	0	16.33	16.84	16.94	17.60
10MHz		25	13	16.41	16.90	16.76	17.60
I VIVII IZ		25	25	16.33	16.59	16.34	17.60
		50	0	16.63	16.42	16.73	17.60
		1	0	15.87	16.97	16.11	17.60
	16QAM	1	25	16.20	17.14	17.09	17.60
		1	49	15.66	15.88	15.80	17.60

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		25	0	16.25	16.78	16.91	17.60
		25	13	16.30	16.79	16.74	17.60
		25	25	16.21	16.61	16.35	17.60
		50	0	16.53	16.69	16.61	17.60
		1	0	16.55	16.26	16.25	17.60
		1	25	16.84	16.94	16.66	17.60
		1	49	15.85	15.96	15.76	17.60
	64QAM	25	0	16.96	16.96	17.04	17.60
		25	13	16.68	16.65	16.68	17.60
		25	25	16.51	16.65	16.72	17.60
		50	0	16.91	16.98	17.00	17.60
Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
		1	0	15.94	16.49	16.29	17.60
		1	38	16.29	16.83	17.15	17.60
		1	74	16.71	16.28	16.23	17.60
	QPSK	36	0	16.68	16.96	17.02	17.60
		36	18	16.43	16.67	16.85	17.60
	`	36	39	16.57	16.46	16.47	17.60
		75	0	16.57	16.79	16.90	17.60
		1	0	15.86	16.50	16.27	17.60
		1	38	16.68	16.70	17.09	17.60
		1	74	17.12	16.52	16.58	17.60
15MHz	16QAM	36	0	16.43	16.86	16.95	17.60
1011112	100,111	36	18	16.47	16.76	16.81	17.60
		36	39	16.47	16.32	16.84	17.60
		75	0	16.51	16.85	16.81	17.60
		1	0	15.90	16.57	16.42	17.60
		1	38	16.46	17.15	17.13	17.60
		1	74	17.07	15.99	16.44	17.60
	64QAM	36	0	16.94	17.14	17.05	17.60
	010,000	36	18	16.63	16.82	16.98	17.60
		36	39	16.64	16.45	16.89	17.60
		75	0	16.91	16.97	17.03	17.60
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	20850	21100	21350	Tune up
		1	0	16.20	16.66	16.36	17.60
		1	50	16.46	16.91	16.86	17.60
		1	99	16.33	16.91	15.95	17.60
	QPSK	50	0	16.77	16.83	17.11	17.60
	Δ. Ο	50	25	16.52	16.75	17.02	17.60
20MHz		50	50	17.11	16.69	16.65	17.60
		100	0	16.94	16.78	17.03	17.60
		1	0	16.53	16.34	16.35	17.60
		1	50	16.33	16.21	16.64	17.60
	16QAM	1	99	16.68	15.69	16.02	17.60
		50	0	16.40	16.72	16.83	17.60
		00	J	10.40	10.72	10.00	17.00

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		50	25	16.42	16.66	16.88	17.60
		50	50	17.18	16.52	16.69	17.60
		100	0	16.73	16.44	16.80	17.60
	1	0	16.37	16.52	16.49	17.60	
		1	50	17.07	16.86	16.83	17.60
		1	99	16.23	15.89	16.26	17.60
	64QAM	50	0	16.96	17.12	17.11	17.60
6		50	25	16.51	16.46	17.11	17.60
		50	50	17.03	16.60	16.91	17.60
		100	0	16.90	16.87	17.09	17.60

LTE E	Band 12 Receiv	er on(Left he	ead)	(Conducted Po	ower(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun		
Danawiath	iviodulation	RD SIZE	KD 011261	23017	23095	23173	Tune up		
		1	0	21.89	21.59	21.63	22.40		
		1	2	21.84	21.29	22.10	22.40		
		1	5	21.86	21.59	21.83	22.40		
	QPSK	3	0	21.82	21.48	21.86	22.40		
		3	2	21.56	21.12	21.79	22.40		
		3	3	21.80	21.44	21.72	22.40		
		6	0	21.76	21.66	21.81	22.40		
		1	0	22.03	21.84	22.03	22.40		
		1	2	21.36	21.30	22.07	22.40		
		1	5	21.82	21.96	22.04	22.40		
1.4MHz	16QAM	3	0	21.55	21.61	21.61	22.40		
		3	2	21.91	21.34	21.56	22.40		
		3	3	22.20	21.55	21.35	22.40		
		6	0	21.16	20.88	21.05	22.00		
		1	0	21.72	21.48	21.67	22.00		
		1	2	21.06	20.96	21.68	22.00		
		1	5	21.75	21.63	21.75	22.00		
	64QAM	3	0	21.21	21.27	21.24	22.00		
		3	2	21.60	20.98	21.23	22.00		
		3	3	21.88	21.18	21.01	22.00		
Cal		6	0	20.17	19.94	20.10	21.00		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
Ballawiatii	iviodulation	KD SIZE	KD Ollset	23025	23095	23165	rune up		
		1	0	21.80	21.73	21.70	22.40		
		1	7	21.54	20.55	21.31	22.40		
		1	14	21.73	21.71	21.96	22.40		
	QPSK	8	0	21.40	21.73	21.75	22.40		
3MHz		8	4	21.89	21.70	21.81	22.40		
		8	7	21.98	21.55	21.53	22.40		
		15	0	21.95	21.61	21.54	22.40		
	16QAM	1	0	21.87	21.72	22.08	22.40		
	TOQAW	1	7	21.54	21.69	21.71	22.40		

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Bandwidth Size RB offset RB offset Channel C	2.40 2.00 2.00 2.00 2.00 2.00 2.00 2.00
Bandwidth Size RB offset Channel Cha	2.00 2.00 2.00 2.00 2.00 2.00 2.00 1.00 1
Bandwidth Section Se	2.00 2.00 2.00 2.00 2.00 2.00 1.00 1.00
15	2.00 2.00 2.00 2.00 1.00 1.00
Bandwidth 1	2.00 2.00 2.00 1.00 1.00 1.00
1	2.00 2.00 1.00 1.00 1.00
Bandwidth	2.00 2.00 1.00 1.00 1.00
Bandwidth Band	.00
Bandwidth Modulation RB size RB offset Channel Channel	.00
Bandwidth Modulation RB size RB offset RB offset Channel Chann	.00
To Second Se	.00
Bandwidth Modulation RB size RB offset Channel 23035 Channel 23095 Channel 23155 Tune 23035 Channel 23095 Tune 23155 Tune 23035 Channel 23095 Channel 23155 Tune 23095 Channel 23155 Tune 23095 Channel 23155 Tune 23155 Tune 23155 Channel 23095 Channel 23155 Tune 23155 Channel 23095 Channel 23155 Tune 23155 Channel 23095 Channel 23155 Channel 23155 Channel 23095 Channel 23155 Channel 23155 Channel 24156	
Bandwidth Modulation RB size RB offset 23035 23095 23155 Tun 1 0 21.88 21.63 21.91 22 1 13 21.89 21.68 21.74 22 1 24 21.82 21.74 21.91 22 12 0 21.90 21.70 21.82 22 12 6 21.72 21.47 21.54 22 12 13 21.92 21.68 21.74 22 25 0 21.84 21.56 21.83 22 1 0 21.78 21.94 21.55 22	
QPSK 12 0 21.88 21.63 21.91 22 1 13 21.89 21.68 21.74 22 1 24 21.82 21.74 21.91 22 1 2 0 21.90 21.70 21.82 22 1 2 6 21.72 21.47 21.54 22 1 13 21.92 21.68 21.74 22 25 0 21.84 21.56 21.83 22 1 0 21.78 21.94 21.55 22	
1 13 21.89 21.68 21.74 22 1 24 21.82 21.74 21.91 22 12 0 21.90 21.70 21.82 22 12 6 21.72 21.47 21.54 22 12 13 21.92 21.68 21.74 22 25 0 21.84 21.56 21.83 22 1 0 21.78 21.94 21.55 22	ie up
QPSK 1 24 21.82 21.74 21.91 22 12 0 21.90 21.70 21.82 22 12 6 21.72 21.47 21.54 22 12 13 21.92 21.68 21.74 22 25 0 21.84 21.56 21.83 22 1 0 21.78 21.94 21.55 22	2.40
QPSK 12 0 21.90 21.70 21.82 22 12 6 21.72 21.47 21.54 22 12 13 21.92 21.68 21.74 22 25 0 21.84 21.56 21.83 22 1 0 21.78 21.94 21.55 22	2.40
12 6 21.72 21.47 21.54 22 12 13 21.92 21.68 21.74 22 25 0 21.84 21.56 21.83 22 1 0 21.78 21.94 21.55 22	2.40
12 13 21.92 21.68 21.74 22 25 0 21.84 21.56 21.83 22 1 0 21.78 21.94 21.55 22	2.40
25 0 21.84 21.56 21.83 22 1 0 21.78 21.94 21.55 22	2.40
25 0 21.84 21.56 21.83 22 1 0 21.78 21.94 21.55 22	2.40
	2.40
1 13 22 14 22 18 22 14 22	2.40
1 13 22.14 22.10 22.14 22	2.40
1 24 22.03 21.82 22.29 22	2.40
5MHz 16QAM 12 0 21.44 21.29 21.15 22	2.00
12 6 20.88 21.06 21.17 22	2.00
12 13 21.32 21.16 21.27 22	2.00
25 0 21.26 21.09 21.38 22	2.00
1 0 20.83 20.94 20.62 22	2.00
1 13 21.44 21.19 21.18 22	2.00
1 24 21.05 20.88 21.49 22	2.00
64QAM 12 0 20.48 20.34 20.21 21	.00
12 6 19.93 20.07 20.20 21	.00
12 13 20.34 20.16 20.35 21	.00
25 0 20.31 20.15 20.46 21	.00
Channel Channel Channel	
Bandwidth Modulation RB size RB offset 23060 23095 23130 Tun	ne up
1 0 21.71 21.69 21.57 22	2.40
1 25 21.15 21.35 21.56 22	2.40
1 49 21.72 21.85 21.97 22	2.40
QPSK 25 0 21.86 21.72 21.76 22	2.40
25 13 21.82 21.63 21.71 22	
10MHz 25 25 21.74 21.61 21.72 22	2.40
50 0 21.88 21.61 21.87 22	
	2.40
16QAM 1 25 22.07 22.00 22.22 22	2.40
1 49 21.41 21.79 21.92 22	2.40 2.40 2.40

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		25	0	21.25	21.12	20.99	22.00
		25	13	21.06	20.96	21.07	22.00
		25	25	21.20	21.20	21.17	22.00
		50	0	21.26	21.00	21.29	22.00
		1	0	20.64	21.24	21.01	22.00
		1	25	21.16	21.09	21.25	22.00
		1	49	20.44	20.82	20.99	22.00
	64QAM	25	0	20.28	20.21	20.02	21.00
		25	13	20.09	20.04	20.16	21.00
		25	25	20.24	20.22	20.18	21.00
		50	0	20.36	20.06	20.30	21.00

LTE B	and 12 Receive	er on(Right h	ead)		Conducted P	ower(dBm)	
Dan deside	Madulatian	DD -:	DD -#	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	23017	23095	23173	Tune up
		1	0	21.43	21.25	21.29	22.00
	1	1	2	21.71	20.19	20.95	22.00
		1	5	21.30	21.13	21.36	22.00
	QPSK	3	0	21.09	20.95	21.22	22.00
		3	2	21.14	21.15	21.51	22.00
		3	3	21.26	21.20	21.15	22.00
		6	0	21.00	21.13	21.03	22.00
		1	0	21.64	21.06	21.72	22.00
		1	2	21.70	20.66	21.71	22.00
		1	5	21.70	21.71	21.76	22.00
1.4MHz	16QAM	3	0	21.35	21.06	21.13	22.00
		3	2	21.66	21.15	20.92	22.00
		3	3	21.44	21.28	21.36	22.00
		6	0	21.40	20.88	20.93	22.00
		1	0	21.57	20.93	21.61	22.00
		1	2	21.61	20.54	21.58	22.00
		1	5	21.64	21.66	21.63	22.00
	64QAM	3	0	21.27	20.93	21.02	22.00
		3	2	21.61	21.03	20.82	22.00
Cal		3	3	21.36	21.13	21.23	22.00
		6	0	20.47	19.90	20.02	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Balluwiutii	Wodulation	ND SIZE	KB oliset	23025	23095	23165	rune up
		1	0	21.36	21.14	21.24	22.00
		1	7	21.28	20.62	20.34	22.00
		1	14	21.44	21.09	21.34	22.00
3MHz	QPSK	8	0	21.38	21.00	21.29	22.00
SIVITZ	4	8	4	21.38	21.05	21.34	22.00
		8	7	21.31	21.03	21.07	22.00
		15	0	21.36	21.05	21.27	22.00
	16QAM	1	0	21.52	21.43	21.30	22.00

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		1	7	20.76	20.85	19.21	22.00
		1	14	21.57	21.42	21.71	22.00
		8	0	21.26	21.04	21.15	22.00
		8	4	21.28	21.16	21.19	22.00
		8	7	21.40	20.94	21.23	22.00
		15	0	21.33	21.20	21.30	22.00
		1	0	20.54	20.44	20.39	22.00
		1	7	20.24	20.29	20.22	22.00
		1	14	20.65	20.47	20.73	22.00
	64QAM	8	0	20.31	20.11	20.23	21.00
		8	4	20.35	20.16	20.27	21.00
		8	7	20.48	19.99	20.29	21.00
		15	0	20.41	20.25	20.38	21.00
		55 .	55 "	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	23035	23095	23155	Tune up
		1	0	21.35	21.38	21.14	22.00
		1	13	21.50	21.36	21.19	22.00
	4	1	24	21.38	21.33	21.45	22.00
	QPSK	12	0	21.33	21.22	21.22	22.00
		12	6	21.32	21.10	21.10	22.00
		12	13	21.28	21.24	21.42	22.00
		25	0	21.40	21.13	21.21	22.00
		1	0	21.79	21.55	21.31	22.00
		1	13	21.62	21.47	21.45	22.00
		1	24	21.42	21.78	21.53	22.00
5MHz	16QAM	12	0	21.31	21.18	21.20	22.00
V		12	6	21.35	21.00	21.21	22.00
		12	13	21.33	21.16	21.32	22.00
		25	0	21.32	21.05	21.33	22.00
		1	0	20.69	20.60	20.39	22.00
		<u>.</u> 1	13	20.70	20.50	20.46	22.00
		<u>·</u> 1	24	20.49	20.80	20.63	22.00
	64QAM	12	0	20.39	20.18	20.22	21.00
	0.00	12	6	20.40	20.10	20.27	21.00
		12	13	20.41	20.23	20.34	21.00
		25	0	20.40	20.09	20.35	21.00
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	23060	23095	23130	Tune up
		1	0	21.16	21.12	21.18	22.00
		<u>·</u> 1	25	20.84	20.61	20.81	22.00
		<u>·</u> 1	49	21.17	21.31	21.40	22.00
	QPSK	25	0	21.31	21.21	21.33	22.00
10MHz	3, 5,	25	13	21.26	21.06	21.20	22.00
10141112		25	25	21.17	21.12	21.24	22.00
		50	0	21.17	21.12	21.40	22.00
			0	21.69	21.07	21.40	
	16QAM	1					22.00
	IOQAM	1	25	21.54	21.46	21.47	22.00

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	1	49	21.38	21.11	21.30	22.00
	25	0	21.23	21.18	21.02	22.00
	25	13	21.24	20.94	21.19	22.00
4	25	25	21.13	21.13	21.25	22.00
	50	0	21.23	21.08	21.27	22.00
	1	0	20.76	20.39	20.65	22.00
	1	25	20.62	20.51	20.50	22.00
	1	49	20.38	20.20	20.34	22.00
64QAM	25	0	20.23	20.20	20.05	21.00
	25	13	20.31	19.97	20.28	21.00
	25	25	20.18	20.20	20.31	21.00
	50	0	20.30	20.17	20.36	21.00

LTE Ba	nd 12 Receive	r off (Body So	cene)		Conducted P	ower(dBm)	
Domahui dili	Madulatian	DD sins	DD -#+	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	23017	23095	23173	Tune up
		1	0	23.40	23.32	23.32	24.00
		1	2	22.81	23.03	22.67	24.00
		1	5	23.35	23.05	23.36	24.00
	QPSK	3	0	23.08	22.90	23.16	24.00
		3	2	22.87	23.03	23.23	24.00
		3	3	23.35	23.20	23.29	24.00
		6	0	22.40	21.96	22.17	23.00
		1	0	22.16	22.01	21.90	23.00
		1	2	22.38	22.07	22.11	23.00
	1.4MHz 16QAM	1	5	22.36	22.40	22.70	23.00
1.4MHz		3	0	22.46	22.02	22.35	23.00
		3	2	21.95	22.03	22.11	23.00
		3	3	22.32	22.23	22.38	23.00
		6	0	21.22	21.24	20.70	22.00
		1	0	21.92	21.96	21.76	22.00
		1	2	21.75	21.88	21.87	22.00
	64QAM	1	5	21.82	21.89	21.93	22.00
		3	0	21.85	21.96	21.95	22.00
		3	2	21.89	21.90	21.99	22.00
		3	3	21.82	21.92	21.93	22.00
		6	0	20.30	20.33	19.70	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danawiath	Modulation	ND SIZE	IVD Olloet	23025	23095	23165	rune up
		1	0	23.36	23.17	23.32	24.00
		1	7	22.92	22.91	22.68	24.00
		1	14	23.18	23.32	23.37	24.00
3MHz	QPSK	8	0	22.11	21.81	22.32	23.00
		8	4	22.40	22.14	22.13	23.00
		8	7	22.32	22.17	22.16	23.00
		15	0	22.38	22.07	22.10	23.00

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		1	0	22.56	22.31	22.75	23.00
		1	7	22.34	22.14	22.26	23.00
		1	14	22.86	22.18	22.75	23.00
	16QAM	8	0	21.21	21.03	21.21	22.00
		8	4	21.35	21.16	21.16	22.00
		8	7	21.25	21.05	21.33	22.00
		15	0	21.25	20.95	21.32	22.00
		1	0	21.63	21.32	21.76	22.00
		1	7	21.43	21.23	21.66	22.00
		1	14	21.92	21.25	21.79	22.00
	64QAM	8	0	20.25	20.10	20.27	21.00
		8	4	20.43	20.16	20.20	21.00
		8	7	20.34	20.14	20.36	21.00
		15	0	20.29	19.97	20.40	21.00
Dan dwidth	Modulation	DD size	RB offset	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RD Ollset	23035	23095	23155	Tune up
		1	0	23.46	23.38	23.27	24.00
	QPSK	1	13	23.35	23.20	23.10	24.00
		1	24	23.47	23.27	23.48	24.00
		12	0	22.37	22.26	22.26	23.00
		12	6	22.23	22.13	22.12	23.00
		12	13	22.34	22.14	22.38	23.00
		25	0	22.33	22.09	22.28	23.00
		1	0	22.65	22.66	22.27	23.00
		1	13	22.46	21.98	22.67	23.00
		1	24	22.73	22.75	22.27	23.00
5MHz	16QAM	12	0	21.43	21.15	21.16	22.00
		12	6	21.38	21.00	21.07	22.00
		12	13	21.31	21.26	21.34	22.00
		25	0	21.18	21.16	21.37	22.00
		1	0	21.71	21.69	21.34	22.00
		1	13	21.53	21.05	21.70	22.00
		1	24	21.76	21.88	21.30	22.00
	64QAM	12	0	20.44	20.17	20.17	21.00
		12	6	20.42	20.07	20.08	21.00
		12	13	20.40	20.34	20.40	21.00
		25	0	20.20	20.19	20.40	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Banawian	Wodalation	118 6126		23060	23095	23130	Tuno up
		1	0	23.02	23.32	23.34	24.00
		1	25	22.90	22.91	23.11	24.00
		1	49	23.01	23.12	23.05	24.00
10MHz	QPSK	25	0	22.26	22.14	22.32	23.00
		25	13	22.21	21.97	22.15	23.00
		25	25	22.11	22.17	22.23	23.00
		50	0	22.24	22.00	22.25	23.00
	16QAM	1	0	22.66	22.38	22.23	23.00

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		1	25	21.80	22.12	22.51	23.00
		1	49	22.63	22.35	22.53	23.00
		25	0	21.13	21.16	20.99	22.00
		25	13	21.23	21.00	21.15	22.00
		25	25	21.19	21.30	21.12	22.00
		50	0	21.09	20.87	21.17	22.00
	64QAM	1	0	21.70	21.40	21.31	22.00
		1	25	20.90	21.14	21.53	22.00
		1	49	21.71	21.39	21.57	22.00
		25	0	20.19	20.25	20.06	21.00
		25	13	20.29	20.07	20.23	21.00
		25	25	20.23	20.38	20.19	21.00
		50	0	20.12	19.90	20.26	21.00

LTE Band 12 F	Receiver on(Lef on	t head) +WiF	i on/Hotspot	Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun	
Dandwidth	iviodulation	KD SIZE	KD Ollset	23017	23095	23173	Tune up	
		1	0	18.16	18.20	18.11	19.40	
		1	2	17.91	17.89	18.02	19.40	
		1	5	18.22	18.31	18.27	19.40	
	QPSK	3	0	18.19	18.21	18.20	19.40	
		3	2	18.19	18.04	18.31	19.40	
		3	3	18.18	18.29	18.26	19.40	
		6	0	18.27	18.07	18.24	19.40	
		1	0	18.39	18.34	18.25	19.40	
		1	2	18.31	17.93	18.54	19.40	
		1	5	18.33	18.56	18.52	19.40	
1.4MHz	1.4MHz 16QAM	3	0	18.12	18.12	18.12	19.40	
		3	2	18.20	18.05	18.17	19.40	
		3	3	18.19	18.23	18.17	19.40	
		6	0	18.21	17.99	18.22	19.40	
		1	0	18.31	18.24	18.16	19.40	
		1	2	18.25	17.88	18.47	19.40	
		1	5	18.27	18.50	18.46	19.40	
Cal	64QAM	3	0	18.04	18.05	18.03	19.40	
T Com		3	2	18.14	17.99	18.11	19.40	
		3	3	18.13	18.17	18.10	19.40	
		6	0	18.14	17.94	18.14	19.40	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
Bandwidth	Woddiation	110 3126	ND onset	23025	23095	23165	Turie up	
		1	0	18.26	18.27	18.18	19.40	
		1	7	18.00	17.99	18.08	19.40	
3MHz	QPSK	1	14	18.31	18.39	18.36	19.40	
31411 12	QI OIX	8	0	18.26	18.27	18.26	19.40	
		8	4	18.28	18.11	18.39	19.40	
		8	7	18.27	18.35	18.35	19.40	

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100							
		15	0	18.36	18.15	18.32	19.40
		1	0	18.48	18.42	18.34	19.40
		1	7	18.40	17.99	18.63	19.40
		1	14	18.41	18.63	18.58	19.40
	16QAM	8	0	18.19	18.18	18.19	19.40
		8	4	18.27	18.11	18.26	19.40
		8	7	18.24	18.31	18.26	19.40
		15	0	18.30	18.06	18.30	19.40
		1	0	18.42	18.33	18.25	19.40
		1	7	18.30	17.93	18.54	19.40
		1	14	18.35	18.53	18.48	19.40
	64QAM	8	0	18.10	18.13	18.11	19.40
		8	4	18.17	18.02	18.19	19.40
		8	7	18.19	18.24	18.16	19.40
		15	0	18.23	17.99	18.21	19.40
Dan desidab	Madulatian	DD -i	DD -#+	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	23035	23095	23155	Tune up
		1	0	18.32	18.34	18.24	19.40
		1	13	18.09	18.07	18.13	19.40
		1	24	18.40	18.48	18.45	19.40
	QPSK	12	0	18.35	18.35	18.32	19.40
		12	6	18.36	18.19	18.45	19.40
		12	13	18.33	18.45	18.41	19.40
		25	0	18.42	18.24	18.37	19.40
		1	0	18.54	18.52	18.40	19.40
		1	13	18.49	18.05	18.81	19.40
		1	24	18.50	18.73	18.65	19.40
5MHz	16QAM	12	0	18.28	18.27	18.25	19.40
		12	6	18.33	18.16	18.35	19.40
		12	13	18.31	18.38	18.34	19.40
		25	0	18.36	18.14	18.35	19.40
		1	0	18.48	18.44	18.31	19.40
		1	13	18.41	17.98	18.65	19.40
		1	24	18.42	18.64	18.56	19.40
	64QAM	12	0	18.20	18.18	18.15	19.40
Cal		12	6	18.27	18.09	18.28	19.40
		12	13	18.22	18.31	18.24	19.40
		25	0	18.29	18.05	18.27	19.40
Dondwidth	Modulation	DD circ	DD offeet	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	23060	23095	23130	Tune up
		1	0	18.42	18.42	18.32	19.40
		1	25	18.16	18.12	18.20	19.40
		1	49	18.46	18.53	18.51	19.40
10MHz	QPSK	25	0	18.43	18.44	18.41	19.40
		25	13	18.45	18.29	18.51	19.40
		25	25	18.42	18.51	18.51	19.40
		50	0	18.48	18.30	18.47	19.40

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		1	0	18.59	18.59	18.46	19.40
		1	25	18.54	18.14	18.80	19.40
		1	49	18.55	18.79	18.74	19.40
	16QAM	25	0	18.37	18.35	18.34	19.40
		25	13	18.41	18.24	18.44	19.40
		25	25	18.37	18.47	18.43	19.40
		50	0	18.42	18.23	18.43	19.40
		1	0	18.51	18.54	18.38	19.40
		1	25	18.49	18.08	18.72	19.40
		1	49	18.46	18.74	18.68	19.40
64QA	64QAM	25	0	18.30	18.28	18.28	19.40
		25	13	18.36	18.19	18.35	19.40
		25	25	18.31	18.41	18.34	19.40
		50	0	18.36	18.17	18.36	19.40

LTE Band	12 Receiver of on/Hotspe		l) +WiFi		Conducted P	ower(dBm)	
Dan duvi dila	Madulation	DD si=s	DD offeet	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	23017	23095	23173	Tune up
		1	0	17.66	17.63	17.56	19.00
		1	2	17.42	17.28	17.43	19.00
		1	5	17.65	17.77	17.77	19.00
	QPSK	3	0	17.67	17.69	17.63	19.00
		3	2	17.72	17.59	17.74	19.00
		3	3	17.65	17.78	17.79	19.00
		6	0	17.72	17.59	17.78	19.00
		1	0	18.00	17.97	17.81	19.00
		1	2	17.52	17.44	17.77	19.00
		1	5	17.85	18.08	18.07	19.00
1.4MHz	16QAM	3	0	17.58	17.64	17.56	19.00
		3	2	17.62	17.50	17.70	19.00
		3	3	17.66	17.65	17.71	19.00
		6	0	17.64	17.55	17.64	19.00
		1	0	17.92	17.91	17.75	19.00
		1	2	17.44	17.37	17.71	19.00
Cal		1	5	17.75	17.99	18.01	19.00
T Common T	64QAM	3	0	17.53	17.57	17.50	19.00
		3	2	17.53	17.44	17.61	19.00
		3	3	17.58	17.60	17.61	19.00
		6	0	17.56	17.49	17.56	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danawidin	Modulation	IND SIZE	IND Ollset	23025	23095	23165	Turie up
		1	0	17.74	17.72	17.61	19.00
		1	7	17.52	17.34	17.51	19.00
3MHz	QPSK	1	14	17.73	17.84	17.82	19.00
		8	0	17.73	17.76	17.72	19.00
		8	4	17.81	17.66	17.83	19.00

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		8	7	17.71	17.84	17.84	19.00
		15	0	17.77	17.66	17.83	19.00
		1	0	18.06	18.05	17.87	19.00
		1	7	17.61	17.52	17.84	19.00
	No.	1	14	17.92	18.15	18.14	19.00
	16QAM	8	0	17.67	17.70	17.66	19.00
		8	4	17.68	17.58	17.76	19.00
		8	7	17.71	17.71	17.78	19.00
		15	0	17.71	17.62	17.70	19.00
		1	0	17.97	17.98	17.82	19.00
		1	7	17.52	17.45	17.77	19.00
		1	14	17.84	18.10	18.08	19.00
	64QAM	8	0	17.60	17.64	17.57	19.00
		8	4	17.62	17.49	17.70	19.00
		8	7	17.61	17.63	17.68	19.00
		15	0	17.63	17.55	17.64	19.00
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	23035	23095	23155	Tune up
		1	0	17.81	17.81	17.69	19.00
		1	13	17.60	17.39	17.59	19.00
		1	24	17.83	17.93	17.90	19.00
	QPSK	12	0	17.82	17.85	17.80	19.00
		12	6	17.89	17.72	17.91	19.00
		12	13	17.76	17.91	17.91	19.00
		25	0	17.87	17.73	17.90	19.00
		1	0	18.13	18.12	17.94	19.00
		1	13	17.68	17.58	17.91	19.00
		1	24	18.00	18.23	18.33	19.00
5MHz	16QAM	12	0	17.75	17.78	17.75	19.00
		12	6	17.74	17.65	17.84	19.00
		12	13	17.77	17.81	17.87	19.00
		25	0	17.81	17.67	17.80	19.00
		1	0	18.06	18.02	17.86	19.00
		1	13	17.59	17.48	17.84	19.00
		1	24	17.92	18.17	18.13	19.00
C	64QAM	12	0	17.69	17.71	17.69	19.00
	·	12	6	17.65	17.56	17.76	19.00
	1	12	13	17.71	17.72	17.80	19.00
		25	0	17.71	17.61	17.75	19.00
D 1 1111	NA. I I II			Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	23060	23095	23130	Tune up
		1	0	17.88	17.87	17.77	19.00
		1	25	17.70	17.46	17.65	19.00
400	05011	1	49	17.89	18.00	17.98	19.00
10MHz	QPSK	25	0	17.91	17.90	17.89	19.00
		25	13	17.95	17.80	17.97	19.00
		25	25	17.86	17.97	17.97	19.00
L	I	-	1				

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	50	0	17.95	17.82	17.96	19.00
	1	0	18.21	18.21	18.03	19.00
	1	25	17.73	17.63	18.01	19.00
	1	49	18.07	18.31	18.24	19.00
16QAM	25	0	17.84	17.83	17.82	19.00
	25	13	17.83	17.75	17.90	19.00
	25	25	17.84	17.89	17.94	19.00
	50	0	17.87	17.75	17.86	19.00
	1	0	18.14	18.13	17.95	19.00
	1	25	17.68	17.54	17.96	19.00
	1	49	17.98	18.22	18.17	19.00
64QAM	25	0	17.74	17.75	17.73	19.00
	25	13	17.77	17.67	17.84	19.00
	25	25	17.78	17.80	17.87	19.00
	50	0	17.79	17.67	17.76	19.00

LTE Band	12 Receiver of on/Hotsp	`	ne)+WiFi		Conducted P	ower(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danuwium	iviodulation	KD SIZE	KD Ollset	23017	23095	23173	Turie up
		1	0	20.38	20.13	20.20	21.00
		1	2	19.25	19.96	19.95	21.00
		1	5	20.32	20.13	20.34	21.00
	QPSK	3	0	20.21	20.20	20.27	21.00
		3	2	20.17	20.06	20.14	21.00
		3	3	20.30	20.10	20.22	21.00
		6	0	20.29	20.11	19.73	21.00
		1	0	20.51	20.18	20.44	21.00
		1	2	19.73	20.58	20.67	21.00
		1	5	20.45	20.41	20.52	21.00
1.4MHz	16QAM	3	0	20.16	20.10	20.31	21.00
		3	2	19.74	19.35	20.32	21.00
		3	3	20.40	20.04	19.88	21.00
		6	0	20.27	19.86	20.15	21.00
		1	0	20.41	20.11	20.35	21.00
		1	2	19.63	20.50	20.57	21.00
1 6000		1	5	20.38	20.35	20.47	21.00
	64QAM	3	0	20.07	20.04	20.23	21.00
		3	2	19.67	19.29	20.24	21.00
		3	3	20.33	19.94	19.82	21.00
		6	0	20.19	19.79	20.07	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danuwiuth	iviodulation	VP 2176	IVD OUSEL	23025	23095	23165	rune up
		1	0	20.23	20.29	20.26	21.00
3MHz	QPSK	1	7	19.69	20.00	19.80	21.00
SIVITIZ	QF SIN	1	14	20.39	20.12	20.36	21.00
		8	0	20.15	20.10	20.23	21.00

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		8	4	20.48	20.13	20.26	21.00
		8	7	20.43	20.32	20.36	21.00
		15	0	20.40	19.97	20.21	21.00
		1	0	20.46	20.56	20.53	21.00
	\	1	7	20.41	20.05	20.64	21.00
		1	14	20.46	20.39	20.66	21.00
	16QAM	8	0	20.32	20.12	20.27	21.00
		8	4	20.47	20.06	20.44	21.00
		8	7	20.37	20.15	20.25	21.00
		15	0	20.20	19.94	20.17	21.00
		1	0	20.41	20.50	20.44	21.00
		1	7	20.34	19.95	20.55	21.00
		1	14	20.37	20.29	20.60	21.00
	64QAM	8	0	20.24	20.06	20.21	21.00
		8	4	20.41	19.98	20.34	21.00
		8	7	20.28	20.06	20.18	21.00
		15	0	20.13	19.84	20.11	21.00
			55 " .	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	23035	23095	23155	Tune up
		1	0	20.32	20.22	20.25	21.00
		1	13	20.33	20.11	20.23	21.00
		1	24	20.34	20.42	20.43	21.00
	QPSK	12	0	20.32	20.26	20.27	21.00
		12	6	20.32	19.99	20.35	21.00
		12	13	20.37	20.24	20.47	21.00
		25	0	20.28	20.03	20.32	21.00
		1	0	20.32	20.50	20.37	21.00
		1	13	20.48	20.23	20.43	21.00
		1	24	20.68	20.58	20.50	21.00
5MHz	16QAM	12	0	20.34	20.03	20.38	21.00
		12	6	20.35	20.08	20.25	21.00
		12	13	20.27	20.11	20.28	21.00
		25	0	20.20	20.01	20.25	21.00
		1	0	20.22	20.40	20.27	21.00
		1	13	20.42	20.16	20.38	21.00
		1	24	20.53	20.53	20.40	21.00
	64QAM	12	0	20.27	19.97	20.29	21.00
		12	6	20.26	19.99	20.18	21.00
		12	13	20.19	20.04	20.22	21.00
		25	0	20.13	19.94	20.18	21.00
Donalessielth	Modulation	DD ains	DD c#sst	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	23060	23095	23130	Tune up
		1	0	20.31	20.40	20.28	21.00
		1	25	19.73	19.68	20.23	21.00
10MHz	QPSK	1	49	20.14	20.22	20.17	21.00
		25	0	20.38	20.27	20.25	21.00
		25	13	20.34	20.05	20.20	21.00

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	25	25	20.09	20.22	20.17	21.00
	50	0	20.34	20.10	20.33	21.00
	1	0	20.20	20.17	20.45	21.00
	1	25	20.09	19.72	20.27	21.00
	1	49	20.27	20.60	20.19	21.00
16QAM	25	0	20.32	20.12	20.06	21.00
	25	13	20.25	20.02	20.16	21.00
	25	25	20.06	20.16	20.35	21.00
	50	0	20.18	20.14	20.06	21.00
	1	0	20.12	20.11	20.35	21.00
	1	25	20.02	19.64	20.22	21.00
	1	49	20.21	20.52	20.09	21.00
64QAM	25	0	20.22	20.03	19.98	21.00
	25	13	20.18	19.93	20.09	21.00
	25	25	19.99	20.09	20.29	21.00
	50	0	20.10	20.06	19.98	21.00

LTE E	Band 17 Receiv	er on(Left he	ad)	Conducted Power(dBm)				
Danish dalah	Mad Jack	DD -1 -	DD - ('1	Channel	Channel	Channel	т	
Bandwidth	Modulation	RB size	RB offset	23755	23790	23825	Tune up	
		1	0	21.87	21.89	21.61	22.30	
		1	13	21.73	21.77	21.76	22.30	
		1	24	21.69	21.72	21.73	22.30	
	QPSK	12	0	21.74	21.77	21.64	22.30	
		12	6	21.83	21.45	21.68	22.30	
		12	13	21.68	21.70	21.72	22.30	
		25	0	21.66	21.61	21.50	22.30	
		1	0	22.11	22.04	21.68	22.30	
		1	13	22.14	21.69	21.92	22.30	
		1	24	22.08	21.64	21.73	22.30	
5MHz	16QAM	12	0	21.08	21.09	21.14	22.00	
		12	6	21.06	21.04	21.11	22.00	
		12	13	21.21	21.14	21.11	22.00	
		25	0	21.13	21.01	21.13	22.00	
CAL		1	0	21.81	21.97	21.62	22.00	
1600		1	13	21.87	21.62	21.87	22.00	
		1	24	21.82	21.57	21.66	22.00	
	64QAM	12	0	20.61	20.67	20.72	21.00	
		12	6	20.61	20.61	20.61	21.00	
		12	13	20.73	20.71	20.71	21.00	
		25	0	20.72	20.55	20.66	21.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
Danuwiuth	iviodulation	VD 2176	VD 011961	23780	23790	23800	rune up	
		1	0	21.68	21.61	21.48	22.30	
10MHz	QPSK	1	25	21.62	21.43	21.81	22.30	
		1	49	21.69	21.66	21.87	22.30	

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	25	0	21.68	21.70	21.51	22.30
	25	13	21.69	21.76	21.66	22.30
	25	25	21.55	21.59	21.60	22.30
	50	0	21.66	21.74	21.61	22.30
	1	0	21.71	21.57	21.92	22.30
	1	25	21.80	21.96	21.76	22.30
	1	49	21.88	21.65	22.03	22.30
16QAM	25	0	21.09	21.18	21.10	22.00
	25	13	21.24	20.98	21.19	22.00
	25	25	21.10	21.19	21.11	22.00
	50	0	21.10	21.14	21.02	22.00
	1	0	21.62	21.51	21.84	22.00
	1	25	21.75	21.90	21.70	22.00
	1	49	21.82	21.57	21.97	22.00
64QAM	25	0	20.60	20.70	20.69	21.00
	25	13	20.79	20.57	20.70	21.00
	25	25	20.68	20.73	20.64	21.00
	50	0	20.65	20.68	20.53	21.00

LTE B	and 17 Receive	er on(Right h	ead)	Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up	
bandwidth	Modulation	RD SIZE	KD Ollset	23755	23790	23825	Tune up	
		1	0	20.69	20.75	20.67	21.50	
		1	13	20.80	20.67	20.57	21.50	
		1	24	20.75	20.73	20.80	21.50	
	QPSK	12	0	20.76	20.70	20.66	21.50	
		12	6	20.75	20.67	20.59	21.50	
		12	13	20.64	20.74	20.80	21.50	
		25	0	20.65	20.82	20.65	21.50	
		1	0	20.76	20.64	20.58	21.50	
		1	13	21.01	20.97	21.00	21.50	
		1	24	20.77	20.74	20.63	21.50	
5MHz	16QAM	12	0	20.77	20.81	20.79	21.50	
		12	6	20.57	20.71	20.44	21.50	
Cal		12	13	20.66	20.63	20.66	21.50	
		25	0	20.49	20.39	20.52	21.50	
		1	0	20.67	20.57	20.53	21.50	
		1	13	20.93	20.88	20.90	21.50	
		1	24	20.69	20.67	20.55	21.50	
	64QAM	12	0	20.33	20.39	20.36	21.00	
		12	6	20.11	20.26	19.97	21.00	
		12	13	20.20	20.14	20.26	21.00	
		25	0	20.00	19.95	20.07	21.00	

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Bandwidth	Modulation	RB size	DP offeet	Channel	Channel	Channel	Tungun
bandwidth	Modulation	RD SIZE	RB offset	23780	23790	23800	Tune up
		1	0	20.71	20.62	20.63	21.50
		1	25	20.15	20.53	20.11	21.50
		1	49	20.75	20.54	20.77	21.50
	QPSK	25	0	20.73	20.68	20.57	21.50
		25	13	20.70	20.63	20.54	21.50
		25	25	20.65	20.70	20.63	21.50
		50	0	20.64	20.54	20.72	21.50
		1	0	20.55	21.00	20.36	21.50
		1	25	20.86	20.34	21.05	21.50
		1	49	20.93	20.84	21.00	21.50
10MHz	16QAM	25	0	20.56	20.58	20.56	21.50
		25	13	20.62	20.48	20.66	21.50
		25	25	20.63	20.59	20.54	21.50
	V	50	0	20.50	20.53	20.70	21.50
		1	0	20.50	20.91	20.30	21.50
		1	25	20.77	20.26	21.00	21.50
		1	49	20.85	20.77	20.91	21.50
	64QAM	25	0	20.09	20.12	20.08	21.00
	T Cal	25	13	20.20	20.07	20.20	21.00
		25	25	20.14	20.10	20.13	21.00
		50	0	20.02	20.09	20.29	21.00

LTE Ba	and 17 Receive	r off (Body So	cene)	Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun	
Danuwidin	iviodulation	KD SIZE	VP Oliser	23755	23790	23825	Tune up	
		1	0	23.48	23.38	23.28	24.00	
		1	13	23.27	23.05	23.22	24.00	
	QPSK	1	24	23.09	23.18	23.33	24.00	
		12	0	21.93	22.00	21.92	23.00	
		12	6	21.94	21.82	21.77	23.00	
		12	13	21.91	21.93	21.83	23.00	
		25	0	21.88	21.83	21.98	23.00	
		1	0	22.17	22.54	22.66	23.00	
5MHz		1	13	22.48	22.30	22.31	23.00	
SIVITZ		1	24	22.16	22.51	22.68	23.00	
	16QAM	12	0	21.20	21.24	21.18	22.00	
		12	6	21.03	21.12	21.07	22.00	
		12	13	21.19	21.25	21.23	22.00	
	6400M	25	0	20.99	21.07	21.13	22.00	
		1	0	21.19	21.62	21.73	22.00	
		1	13	21.56	21.32	21.39	22.00	
	64QAM	1	24	21.20	21.60	21.76	22.00	
		12	0	20.22	20.28	20.22	21.00	

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		12	6	20.07	20.15	20.14	21.00
		12	13	20.20	20.31	20.23	21.00
		25	0	20.01	20.13	20.23	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up
Danawiani	iviodulation	KD SIZE	KD Ollset	23780	23790	23800	Tune up
		1	0	23.05	23.16	23.08	24.00
		1	25	23.20	23.45	23.18	24.00
		1	49	22.94	23.04	23.09	24.00
	QPSK	25	0	21.81	21.87	21.69	23.00
		25	13	21.84	21.90	21.70	23.00
		25	25	21.84	21.93	21.92	23.00
		50	0	21.79	21.88	21.76	23.00
		1	0	22.22	22.20	22.12	23.00
		1	25	21.46	21.95	22.24	23.00
		1	49	22.48	22.43	22.53	23.00
10MHz	16QAM	25	0	21.00	21.05	20.96	22.00
		25	13	20.90	21.05	20.91	22.00
		25	25	21.08	21.06	21.00	22.00
		50	0	21.07	20.96	21.08	22.00
		1	0	21.27	21.21	21.12	22.00
		1	25	20.52	21.01	21.27	22.00
		1	49	21.49	21.43	21.55	22.00
	64QAM	25	0	20.05	20.12	20.00	21.00
		25	13	19.92	20.11	19.91	21.00
		25	25	20.10	20.08	20.01	21.00
		50	0	20.17	19.98	20.15	21.00

LTE Band 17 F	Receiver on(Lef	Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
Danawidin	Modulation	RD SIZE	KD Ollset	23755	23790	23825	Tune up
		1	0	18.29	18.22	18.33	19.30
	QPSK	1	13	18.08	18.09	17.88	19.30
		1	24	18.27	18.30	18.30	19.30
		12	0	18.30	18.31	18.30	19.30
		12	6	18.28	18.30	18.29	19.30
		12	13	18.32	18.31	18.31	19.30
		25	0	18.35	18.32	18.29	19.30
5MHz		1	0	18.61	18.45	18.55	19.30
SIVIFIZ		1	13	18.47	18.16	18.23	19.30
		1	24	18.64	18.58	18.50	19.30
	16QAM	12	0	18.17	18.24	18.23	19.30
		12	6	18.27	18.26	18.24	19.30
		12	13	18.26	18.21	18.19	19.30
		25	0	18.23	18.22	18.18	19.30
	64001	1	0	18.54	18.40	18.49	19.30
	64QAM	1	13	18.37	18.07	18.13	19.30

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		1	24	18.59	18.49	18.42	19.30
		12	0	18.11	18.18	18.15	19.30
		12	6	18.21	18.20	18.15	19.30
		12	13	18.20	18.12	18.11	19.30
		25	0	18.13	18.14	18.11	19.30
Dan duvidth	Modulation	DD size	DD offeet	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	23780	23790	23800	Tune up
		1	0	18.39	18.29	18.38	19.30
		1	25	18.13	18.15	17.96	19.30
		1	49	18.37	18.37	18.42	19.30
	QPSK	25	0	18.36	18.40	18.37	19.30
		25	13	18.37	18.40	18.39	19.30
		25	25	18.39	18.40	18.38	19.30
		50	0	18.41	18.38	18.37	19.30
		1	0	18.68	18.54	18.63	19.30
		1	25	18.54	18.23	18.30	19.30
		1	49	18.71	18.63	18.58	19.30
10MHz	16QAM	25	0	18.25	18.33	18.30	19.30
		25	13	18.33	18.32	18.34	19.30
		25	25	18.32	18.30	18.28	19.30
		50	0	18.29	18.31	18.27	19.30
		1	0	18.63	18.46	18.58	19.30
		1	25	18.47	18.18	18.21	19.30
		1	49	18.64	18.55	18.50	19.30
	64QAM	25	0	18.20	18.25	18.21	19.30
		25	13	18.28	18.26	18.27	19.30
		25	25	18.23	18.25	18.19	19.30
		50	0	18.23	18.22	18.19	19.30

LTE Band	l 17 Receiver o on/Hotsp	Conducted Power(dBm)					
Bandwidth	Modulation	DD oizo	RB offset	Channel	Channel	Channel	Tungun
bandwidth	Modulation	RB size		23755	23790	23825	Tune up
		1	0	17.33	17.22	17.27	18.50
	QPSK	1	13	17.14	16.94	17.00	18.50
Cal		1	24	17.31	17.34	17.35	18.50
100		12	0	17.27	17.32	17.27	18.50
		12	6	17.35	17.28	17.25	18.50
		12	13	17.35	17.34	17.30	18.50
5MHz		25	0	17.35	17.31	17.26	18.50
SIVITIZ		1	0	17.65	17.49	17.58	18.50
		1	13	17.23	17.40	17.44	18.50
		1	24	17.53	17.59	17.66	18.50
	16QAM	12	0	17.24	17.24	17.25	18.50
		12	6	17.24	17.22	17.26	18.50
		12	13	17.21	17.24	17.29	18.50
		25	0	17.28	17.27	17.23	18.50

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		1	0	17.59	17.43	17.49	18.50
		1	13	17.15	17.34	17.36	18.50
		1	24	17.44	17.49	17.59	18.50
	64QAM	12	0	17.16	17.19	17.19	18.50
		12	6	17.16	17.13	17.17	18.50
		12	13	17.13	17.16	17.22	18.50
		25	0	17.20	17.17	17.17	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung un
Danuwium	Modulation	ND SIZE	KD Ollset	23780	23790	23800	Tune up
		1	0	17.42	17.32	17.35	18.50
		1	25	17.21	17.00	17.07	18.50
		1	49	17.37	17.40	17.44	18.50
	QPSK	25	0	17.36	17.41	17.34	18.50
		25	13	17.44	17.38	17.33	18.50
		25	25	17.44	17.41	17.36	18.50
		50	0	17.40	17.40	17.36	18.50
		1	0	17.71	17.58	17.67	18.50
		1	25	17.30	17.49	17.51	18.50
		1	49	17.63	17.68	17.72	18.50
10MHz	16QAM	25	0	17.31	17.33	17.34	18.50
		25	13	17.30	17.30	17.34	18.50
		25	25	17.31	17.32	17.34	18.50
		50	0	17.35	17.33	17.28	18.50
		1	0	17.62	17.52	17.61	18.50
		1	25	17.24	17.42	17.44	18.50
		1	49	17.57	17.62	17.63	18.50
	64QAM	25	0	17.23	17.27	17.27	18.50
		25	13	17.22	17.25	17.26	18.50
		25	25	17.26	17.23	17.29	18.50
		50	0	17.28	17.26	17.23	18.50

LTE Band	17 Receiver of on/Hotsp	Conducted Power(dBm)					
Donduvidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
Bandwidth	iviodulation	ND SIZE N	KD Ollset	23755	23790	23825	Tune up
	QPSK	1	0	20.20	20.27	20.20	21.00
7 6000		1	13	20.09	20.30	20.15	21.00
		1	24	20.24	20.24	20.31	21.00
		12	0	20.30	20.27	20.19	21.00
		12	6	19.96	20.18	20.20	21.00
5MHz		12	13	20.21	20.29	20.13	21.00
SIVITZ		25	0	20.21	20.21	20.11	21.00
		1	0	20.24	20.27	20.19	21.00
	16QAM	1	13	20.52	20.26	20.39	21.00
		1	24	20.27	20.38	20.54	21.00
		12	0	20.15	20.20	20.11	21.00
		12	6	20.12	20.20	20.10	21.00

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		12	13	20.12	20.19	20.26	21.00
		25	0	20.18	20.07	20.05	21.00
		1	0	20.26	20.17	20.11	21.00
		1	13	20.47	20.21	20.32	21.00
		1	24	20.18	20.29	20.48	21.00
	64QAM	12	0	20.09	20.12	20.02	21.00
		12	6	20.06	20.14	20.00	21.00
		12	13	20.03	20.10	20.20	21.00
		25	0	20.10	19.99	19.96	21.00
Dan desidile	Madulatian	DD -:	DD -#	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	23780	23790	23800	Tune up
		1	0	20.26	20.22	20.38	21.00
	QPSK	1	25	20.16	19.57	20.34	21.00
		1	49	20.16	20.17	20.31	21.00
		25	0	20.16	20.15	20.24	21.00
		25	13	20.13	20.12	20.18	21.00
		25	25	20.14	20.13	20.11	21.00
		50	0	20.11	20.23	20.09	21.00
		1	0	20.24	20.31	20.51	21.00
		1	25	20.33	20.34	19.61	21.00
		1	49	20.54	20.58	20.22	21.00
10MHz	16QAM	25	0	20.08	20.18	20.08	21.00
		25	13	20.11	20.30	19.94	21.00
		25	25	20.17	20.12	20.17	21.00
		50	0	19.97	20.07	20.12	21.00
		1	0	20.59	20.21	20.41	21.00
		1	25	20.24	20.28	19.52	21.00
		1	49	20.47	20.53	20.14	21.00
	64QAM	25	0	20.00	20.11	20.00	21.00
		25	13	20.03	20.21	19.84	21.00
		25	25	20.12	20.02	20.09	21.00
		50	0	19.91	20.00	20.06	21.00

LTE E	Band 26 Receiv	er on(Left he	Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
bandwidth	iviodulation	RB size RB oliset	RD Ollset	26697	26865	27033	Tune up
		1	0	20.57	20.54	20.39	21.50
		1	2	20.82	19.48	20.37	21.50
		1	5	20.61	20.50	20.42	21.50
	QPSK	3	0	20.73	20.55	20.34	21.50
1.4MHz		3	2	20.56	20.48	20.33	21.50
1.411172		3	3	20.16	20.40	20.11	21.50
	16QAM	6	0	20.47	20.18	20.27	21.50
		1	0	20.98	20.78	20.67	21.50
		1	2	20.64	20.62	20.42	21.50
		1	5	20.99	20.50	20.14	21.50

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900							
		3	0	20.68	20.38	20.36	21.50
		3	2	20.07	20.12	20.32	21.50
		3	3	20.65	19.84	20.40	21.50
		6	0	20.54	20.16	20.18	21.50
		1	0	20.93	20.70	20.58	21.50
		1	2	20.55	20.55	20.33	21.50
		1	5	20.91	20.40	20.07	21.50
	64QAM	3	0	20.59	20.30	20.27	21.50
		3	2	19.99	20.03	20.24	21.50
		3	3	20.59	19.75	20.33	21.50
		6	0	20.11	19.69	19.69	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up
Balluwiutii	iviodulation	KD SIZE	KD Ollset	26705	26865	27025	Tune up
		1	0	20.59	20.42	20.35	21.50
		1	7	19.94	19.86	20.79	21.50
		1	14	20.47	20.49	20.43	21.50
	QPSK	8	0	20.32	20.40	20.29	21.50
		8	4	20.35	20.45	20.41	21.50
		8	7	20.53	20.13	20.20	21.50
		15	0	20.63	20.45	20.34	21.50
		1	0	20.84	20.92	20.96	21.50
		1	7	19.35	20.15	20.53	21.50
		1	14	20.81	20.94	20.73	21.50
3MHz	16QAM	8	0	20.46	20.43	20.39	21.50
		8	4	20.63	20.35	20.43	21.50
		8	7	20.48	20.37	20.30	21.50
		15	0	20.65	20.38	20.36	21.50
		1	0	20.75	20.82	20.86	21.50
		1	7	19.30	20.05	20.48	21.50
		1	14	20.76	20.84	20.64	21.50
	64QAM	8	0	20.05	20.01	19.90	21.00
		8	4	20.21	19.93	20.01	21.00
		8	7	20.06	19.88	19.82	21.00
		15	0	20.23	19.97	19.89	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Banawiath	Woddiation	110 0120	TED OHOUT	26715	26865	27015	Turio up
		1	0	20.65	20.49	20.47	21.50
		1	13	20.63	20.45	20.52	21.50
		1	24	20.42	20.47	20.43	21.50
	QPSK	12	0	20.54	20.56	20.36	21.50
		12	6	20.59	20.42	20.38	21.50
5MHz		12	13	20.57	20.49	20.43	21.50
		25	0	20.62	20.50	20.37	21.50
		1	0	20.70	20.67	20.72	21.50
	16QAM	1	13	20.50	20.92	20.31	21.50
	IOQAW	1	24	20.96	20.68	20.76	21.50
		12	0	20.61	20.52	20.37	21.50

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		12	6	20.53	20.31	20.26	21.50
		12	13	20.60	20.60	20.47	21.50
		25	0	20.45	20.43	20.26	21.50
		1	0	20.63	20.62	20.63	21.50
		1	13	20.44	20.82	20.22	21.50
		1	24	20.88	20.61	20.70	21.50
	64QAM	12	0	20.18	20.02	19.89	21.00
		12	6	20.08	19.84	19.76	21.00
		12	13	20.15	20.12	20.05	21.00
		25	0	20.04	19.96	19.77	21.00
Dan davidda	Madulation	DD -:	DD -#+	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	26740	26865	26990	Tune up
		1	0	20.62	20.57	20.38	21.50
		1	25	20.67	19.87	20.22	21.50
		1	49	20.50	20.56	20.41	21.50
	QPSK	25	0	20.47	20.53	20.43	21.50
		25	13	20.56	20.50	20.41	21.50
		25	25	20.50	20.48	20.47	21.50
		50	0	20.62	20.55	20.47	21.50
		1	0	20.90	20.83	20.69	21.50
		1	25	19.70	20.28	20.07	21.50
		1	49	20.74	20.83	20.20	21.50
10MHz	16QAM	25	0	20.39	20.50	20.38	21.50
		25	13	20.50	20.47	20.49	21.50
		25	25	20.44	20.43	20.45	21.50
		50	0	20.44	20.48	20.47	21.50
		1	0	20.82	20.76	20.62	21.50
		1	25	19.60	20.21	19.97	21.50
		1	49	20.65	20.77	20.14	21.50
	64QAM	25	0	19.98	20.07	19.89	21.00
		25	13	20.04	19.97	20.06	21.00
		25	25	20.02	19.99	20.01	21.00
		50	0	19.94	20.05	20.05	21.00
		55 .	55 "	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	26765	26865	26965	Tune up
		1	0	20.48	20.48	20.54	21.50
		1	38	20.44	20.43	20.40	21.50
				20.44	20.43	20.40	21.50 21.50
	QPSK	1 1 36	38 74 0	20.44 20.47 20.60	20.43 20.32 20.45	20.40 20.32 20.49	21.50
	QPSK	1	74	20.47 20.60	20.32	20.32 20.49	21.50 21.50
	QPSK	1 36 36	74 0 18	20.47 20.60 20.63	20.32 20.45 20.49	20.32 20.49 20.54	21.50 21.50 21.50
15MHz	QPSK	1 36 36 36	74 0 18 39	20.47 20.60 20.63 20.50	20.32 20.45 20.49 20.48	20.32 20.49 20.54 20.53	21.50 21.50 21.50 21.50
15MHz	QPSK	1 36 36 36 36 75	74 0 18	20.47 20.60 20.63 20.50 20.58	20.32 20.45 20.49 20.48 20.50	20.32 20.49 20.54 20.53 20.45	21.50 21.50 21.50 21.50 21.50
15MHz	QPSK	1 36 36 36 36 75	74 0 18 39 0	20.47 20.60 20.63 20.50 20.58 20.79	20.32 20.45 20.49 20.48 20.50 20.69	20.32 20.49 20.54 20.53 20.45 20.80	21.50 21.50 21.50 21.50 21.50 21.50
15MHz		1 36 36 36 75 1	74 0 18 39 0 0 38	20.47 20.60 20.63 20.50 20.58 20.79 20.70	20.32 20.45 20.49 20.48 20.50 20.69 20.93	20.32 20.49 20.54 20.53 20.45 20.80 20.81	21.50 21.50 21.50 21.50 21.50 21.50 21.50
15MHz	QPSK 16QAM	1 36 36 36 36 75	74 0 18 39 0	20.47 20.60 20.63 20.50 20.58 20.79	20.32 20.45 20.49 20.48 20.50 20.69	20.32 20.49 20.54 20.53 20.45 20.80	21.50 21.50 21.50 21.50 21.50 21.50

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	36	39	20.46	20.40	20.44	21.50
	75	0	20.50	20.39	20.36	21.50
	1	0	20.72	20.62	20.73	21.50
	1	38	20.63	20.85	20.74	21.50
	1	74	20.43	20.53	20.17	21.50
64QAM	36	0	20.18	20.02	20.05	21.00
	36	18	19.93	20.11	19.91	21.00
	36	39	20.01	19.99	20.04	21.00
	75	0	20.08	19.99	19.95	21.00

LTE B	Band 26 Receive	er on(Right h	ead)	Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
Danawiatii	Wodulation	IVD SIZE	IVD Ollset	26697	26865	27033	Turie up	
		1	0	20.61	20.52	20.38	21.50	
		1	2	20.00	20.78	20.21	21.50	
		1	5	20.55	20.41	20.41	21.50	
	QPSK	3	0	20.53	20.52	20.34	21.50	
		3	2	20.05	20.05	20.02	21.50	
		3	3	20.49	20.43	19.98	21.50	
		6	0	20.31	20.43	20.01	21.50	
		1	0	20.92	20.50	20.52	21.50	
		1	2	20.39	20.66	20.60	21.50	
		1	5	20.77	20.24	20.68	21.50	
1.4MHz	16QAM	3	0	20.76	20.43	20.37	21.50	
		3	2	19.96	20.54	20.36	21.50	
		3	3	20.51	20.06	20.54	21.50	
		6	0	19.70	20.58	20.30	21.50	
		1	0	20.84	20.40	20.46	21.50	
		1	2	20.31	20.60	20.51	21.50	
		1	5	20.71	20.17	20.62	21.50	
	64QAM	3	0	20.68	20.38	20.31	21.50	
		3	2	19.87	20.45	20.31	21.50	
		3	3	20.44	19.98	20.46	21.50	
		6	0	19.28	20.10	19.89	21.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun	
Danawiath	iviodulation	RD SIZE	RD Ollset	26705	26865	27025	Tune up	
		1	0	20.54	20.40	20.45	21.50	
		1	7	20.47	19.93	21.12	21.50	
		1	14	20.56	20.45	20.43	21.50	
	QPSK	8	0	20.53	20.48	20.48	21.50	
3MHz		8	4	20.68	20.47	20.28	21.50	
SIVITZ		8	7	20.62	20.30	20.42	21.50	
		15	0	20.53	20.43	20.38	21.50	
		1	0	20.92	20.84	20.39	21.50	
	16QAM	1	7	19.85	20.56	20.31	21.50	
		1	14	20.41	20.67	20.42	21.50	

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_								
Ī			8	0	20.39	20.56	20.39	21.50
			8	4	20.32	20.39	20.30	21.50
			8	7	20.58	20.23	20.21	21.50
			15	0	20.65	20.59	20.49	21.50
			1	0	20.83	20.78	20.31	21.50
			1	7	19.77	20.47	20.25	21.50
			1	14	20.36	20.58	20.35	21.50
		64QAM	8	0	19.98	20.07	19.94	21.00
			8	4	19.91	19.99	19.90	21.00
			8	7	20.17	19.82	19.73	21.00
			15	0	20.19	20.15	20.05	21.00
	D	Madalada	DD -:	DD - (()	Channel	Channel	Channel	
	Bandwidth	Modulation	RB size	RB offset	26715	26865	27015	Tune up
			1	0	20.51	20.47	20.35	21.50
			1	13	20.56	20.50	20.53	21.50
		QPSK	1	24	20.51	20.48	20.48	21.50
			12	0	20.61	20.47	20.54	21.50
			12	6	20.55	20.51	20.31	21.50
			12	13	20.49	20.54	20.48	21.50
			25	0	20.58	20.54	20.31	21.50
			1	0	20.71	21.13	20.79	21.50
			1	13	21.20	20.92	20.99	21.50
			1	24	20.92	20.48	20.29	21.50
	5MHz 16QAM	16QAM	12	0	20.46	20.48	20.32	21.50
			12	6	20.45	20.42	20.26	21.50
			12	13	20.65	20.40	20.38	21.50
			25	0	20.44	20.62	20.34	21.50
			1	0	20.64	21.07	20.69	21.50
			1	13	21.15	20.83	20.91	21.50
			1	24	20.82	20.41	20.20	21.50
		64QAM	12	0	20.04	20.01	19.85	21.00
			12	6	20.03	19.95	19.76	21.00
			12	13	20.15	19.95	19.89	21.00
			25	0	20.01	20.18	19.86	21.00
					Channel	Channel	Channel	
	Bandwidth	Modulation	RB size	RB offset	26740	26865	26990	Tune up
4			1	0	20.62	20.57	20.38	21.50
			1	25	20.67	19.87	20.22	21.50
			1	49	20.50	20.56	20.41	21.50
		QPSK	25	0	20.47	20.53	20.43	21.50
			25	13	20.56	20.50	20.41	21.50
	10MHz		25	25	20.50	20.48	20.47	21.50
			50	0	20.62	20.55	20.47	21.50
			1	0	20.90	20.83	20.69	21.50
			1	25	19.70	20.28	20.07	21.50
		16QAM	1	49	20.74	20.83	20.20	21.50
			25	0	20.39	20.50	20.38	21.50
		l .						

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		25	13	20.50	20.47	20.49	21.50
		25	25	20.44	20.43	20.45	21.50
		50	0	20.44	20.48	20.47	21.50
		1	0	20.84	20.77	20.61	21.50
		1	25	19.64	20.22	19.98	21.50
		1	49	20.65	20.74	20.11	21.50
	64QAM	25	0	19.93	20.03	19.92	21.00
	\	25	13	20.00	20.02	20.07	21.00
		25	25	19.94	19.98	19.96	21.00
		50	0	20.00	20.05	20.02	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
Danawiath	iviodulation	RD SIZE	KD Ollset	26765	26865	26965	Tune up
		1	0	20.42	20.55	20.46	21.50
		1	38	20.53	20.36	20.43	21.50
		1	74	20.34	20.35	20.31	21.50
	QPSK	36	0	20.50	20.56	20.46	21.50
		36	18	20.59	20.57	20.53	21.50
	1	36	39	20.47	20.45	20.52	21.50
		75	0	20.56	20.48	20.42	21.50
		1	0	20.91	20.92	20.66	21.50
		1	38	21.01	20.31	20.74	21.50
		1	74	20.91	20.64	20.67	21.50
15MHz	16QAM	36	0	20.57	20.45	20.38	21.50
		36	18	20.52	20.37	20.31	21.50
		36	39	20.52	20.57	20.31	21.50
		75	0	20.33	20.40	20.35	21.50
		1	0	20.85	20.83	20.57	21.50
		1	38	20.93	20.25	20.64	21.50
		1	74	20.85	20.55	20.58	21.50
	64QAM	36	0	20.11	20.02	19.98	21.00
		36	18	20.10	19.87	19.88	21.00
		36	39	20.12	20.12	19.82	21.00
		75	0	19.83	19.97	19.87	21.00

LTE Ba	LTE Band 26 Receiver off (Body Scene)				Conducted Power(dBm)				
Randwidth	Bandwidth Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
Danuwidin		RB SIZE RB OIISE	RD Ollset	26697	26865	27033			
		1	0	23.18	23.05	22.94	24.00		
	QPSK	1	2	22.82	22.84	21.89	24.00		
		1	5	23.15	22.97	22.96	24.00		
		3	0	22.98	22.79	22.62	24.00		
1.4MHz		3	2	22.93	23.03	22.58	24.00		
		3	3	22.87	23.00	22.47	24.00		
		6	0	22.12	21.74	21.90	23.00		
	16QAM	1	0	22.17	22.40	22.15	23.00		
	TOQAM	1	2	21.90	21.63	21.89	23.00		

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		1	5	22.22	22.28	22.12	23.00
		3	0	22.21	21.82	21.78	23.00
		3	2	21.98	21.77	21.93	23.00
		3	3	22.20	22.12	22.18	23.00
		6	0	20.66	20.86	20.74	22.00
		1	0	21.19	21.45	21.20	22.00
		1	2	20.96	20.65	20.97	22.00
		1	5	21.28	21.28	21.20	22.00
	64QAM	3	0	21.24	20.84	20.82	22.00
		3	2	21.07	20.82	20.97	22.00
		3	3	21.22	21.16	21.18	22.00
		6	0	19.67	19.91	19.83	21.00
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	26705	26865	27025	Tune up
		1	0	23.10	22.97	22.93	24.00
		1	7	23.25	23.20	22.62	24.00
		1	14	22.96	22.93	22.80	24.00
	QPSK	8	0	22.05	21.73	21.94	23.00
	Q. O.	8	4	22.04	21.88	22.00	23.00
		8	7	21.92	21.95	21.64	23.00
		15	0	21.95	22.01	21.83	23.00
		1	0	22.47	22.10	21.90	23.00
		1	7	22.18	22.30	21.17	23.00
		1	14	22.52	22.21	21.93	23.00
3MHz	16QAM	8	0	20.98	21.02	21.05	22.00
SIVITIZ	TOQAM	8	4	21.03	21.02	20.61	22.00
		8	7	21.03	20.72	20.65	<u> </u>
		15	0	20.93	20.72	20.79	22.00
		1	0	21.54	21.16	21.00	22.00
		1	7	21.34	21.10	20.23	22.00
		1	14	21.61	21.34	20.23	22.00
	64QAM	8		20.06		20.96	22.00
	64QAIVI	8	0 4		20.07		21.00
		8	7	20.13	20.06	19.66	21.00
			0	20.15	19.75	19.65	21.00
		15	U	20.00	19.94	19.85	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 26715	Channel	Channel 27015	Tune up
		1	0		26865		24.00
		1	0	22.96	23.10	23.04	24.00
		1	13 24	23.19	23.03 23.02	23.04	24.00
	QPSK	12	0	23.02 22.12		22.95	24.00
	QP3N				22.07	21.97	23.00
5MHz		12	6	22.08	21.96	21.91	23.00
		12	13	22.03	22.01	21.98	23.00
		25	0	21.99	21.93	21.89	23.00
	40000	1	0	22.30	22.37	22.26	23.00
	16QAM	1	13	22.31	21.91	21.86	23.00
		1	24	22.48	22.34	22.25	23.00

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12 0 21.08 20.89 20.	
	94 22.00
12 6 20.88 20.86 20.8	
12 13 21.09 21.05 20.	
25 0 20.97 20.91 20.	<u> </u>
1 0 21.39 21.43 21.	27 22.00
1 13 21.35 21.01 20.	
1 24 21.52 21.40 21.5	
64QAM 12 0 20.16 19.89 19.	
12 6 19.97 19.94 19.	83 21.00
12 13 20.10 20.06 19.0	86 21.00
25 0 20.04 19.93 19.	84 21.00
Pandwidth Madulation BR size BR effect Channel Channel Char	nnel Tung un
BandwidthModulationRB sizeRB offset31d line31d line2674026865269	90 Tune up
1 0 23.11 23.08 23.	04 24.00
1 25 22.72 22.49 22.4	57 24.00
1 49 23.10 22.94 22.	95 24.00
QPSK 25 0 21.98 22.10 21.9	92 23.00
25 13 22.05 21.97 21.9	99 23.00
25 25 22.09 21.94 21.9	93 23.00
50 0 22.07 21.99 22.0	03 23.00
1 0 22.58 22.08 22.	03 23.00
1 25 21.78 21.62 21.	60 23.00
1 49 22.22 22.48 22.3	31 23.00
10MHz 16QAM 25 0 21.06 20.82 20.	80 22.00
25 13 21.02 20.87 20.9	91 22.00
25 25 21.02 20.94 20.4	84 22.00
50 0 20.94 20.94 20.	87 22.00
1 0 21.60 21.12 21.4	08 22.00
1 25 20.83 20.63 20.	66 22.00
1 49 21.22 21.51 21.3	39 22.00
64QAM 25 0 20.11 19.90 19.	90 21.00
25 13 20.06 19.92 19.5	93 21.00
25 25 20.03 19.96 19.4	89 21.00
50 0 19.97 19.98 19.4	88 21.00
Bandwidth Modulation RB size RB offset Channel Channel Char	IIINE IIN
26765 26865 269	65
1 0 23.03 22.98 22.9	
1 38 23.06 23.17 23.	
1 74 22.94 22.84 22.	
QPSK 36 0 22.17 22.11 22.1	
36 18 22.10 21.99 21.	
15MHz 36 39 22.06 22.06 22.0	
15MHz 36 39 22.06 22.06 22.0 75 0 22.03 22.06 22.0	00 23.00
15MHz 36 39 22.06 22.06 22.06 75 0 22.03 22.06 22.0 1 0 22.38 22.33 22.0	00 23.00 29 23.00
15MHz 36 39 22.06 22.06 22.075 0 22.03 22.06 22.075 0 22.38 22.33 22.31	00 23.00 29 23.00 30 23.00
15MHz 36 39 22.06 22.06 22.06 75 0 22.03 22.06 22.0 1 0 22.38 22.33 22.0	00 23.00 29 23.00 30 23.00 29 23.00

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		36	18	21.08	20.91	21.01	22.00
		36	39	20.96	20.92	20.95	22.00
		75	0	21.02	20.95	20.85	22.00
	1	0	21.46	21.36	21.39	22.00	
		1	38	21.35	21.50	21.37	22.00
		1	74	21.38	21.38	21.37	22.00
	64QAM	36	0	19.99	20.05	20.06	21.00
		36	18	20.16	19.99	20.07	21.00
		36	39	20.00	19.98	20.01	21.00
		75	0	20.10	19.98	19.87	21.00

LTE Band 26 F	Receiver on(Let	ft head) +WiF	i on/Hotspot						
	on	,		Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
Danawidin	iviodulation	KD SIZE	KD Ollset	26697	26865	27033	Turie up		
		1	0	16.79	16.74	16.64	18.50		
		1	2	16.87	16.77	16.77	18.50		
		1	5	16.76	16.67	16.64	18.50		
	QPSK	3	0	16.74	16.80	16.80	18.50		
		3	2	16.85	16.85	16.73	18.50		
		3	3	16.80	16.78	16.71	18.50		
		6	0	16.81	16.73	16.63	18.50		
		1	0	16.97	17.04	16.88	18.50		
		1	2	16.95	16.96	16.98	18.50		
	16QAM	1	5	17.03	17.04	16.83	18.50		
1.4MHz		3	0	16.81	16.80	16.74	18.50		
		3	2	16.78	16.75	16.71	18.50		
		3	3	16.73	16.73	16.74	18.50		
		6	0	16.76	16.70	16.65	18.50		
		1	0	16.92	16.98	16.80	18.50		
		1	2	16.86	16.88	16.88	18.50		
		1	5	16.97	16.97	16.76	18.50		
	64QAM	3	0	16.71	16.73	16.69	18.50		
		3	2	16.71	16.65	16.61	18.50		
		3	3	16.67	16.64	16.65	18.50		
Cal		6	0	16.68	16.64	16.55	18.50		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up		
Danawidin	iviodulation	KD SIZE	KD Ollset	26705	26865	27025	Tune up		
		1	0	16.87	16.82	16.73	18.50		
		1	7	16.92	16.84	16.83	18.50		
		1	14	16.84	16.77	16.71	18.50		
	QPSK	8	0	16.84	16.89	16.85	18.50		
3MHz		8	4	16.92	16.93	16.79	18.50		
		8	7	16.86	16.88	16.80	18.50		
		15	0	16.89	16.82	16.71	18.50		
	16QAM	1	0	17.04	17.09	16.97	18.50		
	IOQAIVI	1	7	17.02	17.03	17.05	18.50		

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1 14 17.09 17.10 16.90 8 0 16.90 16.86 16.79 8 4 16.85 16.83 16.76 8 7 16.83 16.79 16.83 15 0 16.83 16.79 16.74 1 0 16.97 17.00 16.91 1 7 16.93 16.94 16.99 1 14 17.04 17.05 16.82 64QAM 8 0 16.83 16.77 16.71 8 4 16.77 16.77 16.67	18.50 18.50 18.50 18.50 18.50 18.50 18.50
8 4 16.85 16.83 16.76 8 7 16.83 16.79 16.83 15 0 16.83 16.79 16.74 1 0 16.97 17.00 16.91 1 7 16.93 16.94 16.99 1 14 17.04 17.05 16.82 64QAM 8 0 16.83 16.77 16.71	18.50 18.50 18.50 18.50 18.50 18.50
8 7 16.83 16.79 16.83 15 0 16.83 16.79 16.74 1 0 16.97 17.00 16.91 1 7 16.93 16.94 16.99 1 14 17.04 17.05 16.82 64QAM 8 0 16.83 16.77 16.71	18.50 18.50 18.50 18.50 18.50
8 7 16.83 16.79 16.83 15 0 16.83 16.79 16.74 1 0 16.97 17.00 16.91 1 7 16.93 16.94 16.99 1 14 17.04 17.05 16.82 64QAM 8 0 16.83 16.77 16.71	18.50 18.50 18.50 18.50
1 0 16.97 17.00 16.91 1 7 16.93 16.94 16.99 1 14 17.04 17.05 16.82 64QAM 8 0 16.83 16.77 16.71	18.50 18.50 18.50
1 0 16.97 17.00 16.91 1 7 16.93 16.94 16.99 1 14 17.04 17.05 16.82 64QAM 8 0 16.83 16.77 16.71	18.50 18.50
1 7 16.93 16.94 16.99 1 14 17.04 17.05 16.82 64QAM 8 0 16.83 16.77 16.71	18.50
1 14 17.04 17.05 16.82 64QAM 8 0 16.83 16.77 16.71	
	18.50
8 4 16.77 16.77 16.67	18.50
	18.50
8 7 16.75 16.69 16.75	18.50
15 0 16.76 16.73 16.69	18.50
Channel Channel Channel	
BandwidthModulationRB sizeRB offsetStatisticsStatisticsStatistics267152686527015	Tune up
1 0 16.93 16.88 16.81	18.50
1 13 16.99 16.94 16.88	18.50
1 24 16.92 16.85 16.81	18.50
QPSK 12 0 16.93 16.97 16.93	18.50
12 6 16.99 16.98 16.86	18.50
12 13 16.96 16.97 16.90	18.50
25 0 16.97 16.89 16.81	18.50
1 0 17.13 17.15 17.04	18.50
1 13 17.09 17.09 17.14	18.50
1 24 17.15 17.17 16.98	18.50
5MHz 16QAM 12 0 16.95 16.93 16.86	18.50
12 6 16.92 16.89 16.83	18.50
12 13 16.93 16.87 16.90	18.50
25 0 16.88 16.88 16.82	18.50
1 0 17.07 17.09 16.98	18.50
1 13 17.02 17.01 17.06	18.50
1 24 17.09 17.08 16.93	18.50
64QAM 12 0 16.87 16.84 16.78	18.50
12 6 16.83 16.82 16.78	18.50
12 13 16.85 16.81 16.82	18.50
25 0 16.78 16.81 16.76	18.50
Channel Channel Channel	
BandwidthModulationRB sizeRB offsetStatilitiesStatilities267402686526990	Tune up
	18.50
	18.50
1 0 17.01 16.93 16.88	
1 0 17.01 16.93 16.88 1 25 17.05 16.99 16.96	18.50
1 0 17.01 16.93 16.88 1 25 17.05 16.99 16.96 1 49 16.99 16.94 16.90	18.50 18.50
1 0 17.01 16.93 16.88 1 25 17.05 16.99 16.96 1 49 16.99 16.94 16.90 QPSK 25 0 17.02 17.03 17.00 25 13 17.06 17.04 16.93	18.50
1 0 17.01 16.93 16.88 1 25 17.05 16.99 16.96 1 49 16.99 16.94 16.90 25 0 17.02 17.03 17.00 25 13 17.06 17.04 16.93	18.50 18.50
1 0 17.01 16.93 16.88 1 25 17.05 16.99 16.96 1 49 16.99 16.94 16.90 25 0 17.02 17.03 17.00 25 13 17.06 17.04 16.93 25 25 17.04 17.02 16.98	18.50 18.50 18.50
1 0 17.01 16.93 16.88 1 25 17.05 16.99 16.96 1 49 16.99 16.94 16.90 25 0 17.02 17.03 17.00 25 13 17.06 17.04 16.93 25 25 17.04 17.02 16.98 50 0 17.02 16.98 16.88	18.50 18.50 18.50 18.50
1 0 17.01 16.93 16.88 1 25 17.05 16.99 16.96 1 49 16.99 16.94 16.90 25 0 17.02 17.03 17.00 25 13 17.06 17.04 16.93 25 25 17.04 17.02 16.98	18.50 18.50 18.50

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		25	0	17.05	16.99	16.96	18.50
		25	13	16.99	16.95	16.89	18.50
		25	25	16.99	16.96	16.96	18.50
		50	0	16.96	16.93	16.91	18.50
		1	0	17.10	17.15	17.03	18.50
		1	25	17.11	17.10	17.13	18.50
		1	49	17.14	17.16	16.93	18.50
	64QAM	25	0	17.00	16.94	16.86	18.50
		25	13	16.91	16.90	16.80	18.50
		25	25	16.93	16.89	16.91	18.50
		50	0	16.89	16.84	16.86	18.50
Pandwidth	Modulation	DP oizo	RB offset	Channel	Channel	Channel	Tung up
Bandwidth	Modulation	RB size	RD Ollset	26765	26865	26965	Tune up
		1	0	17.10	17.02	16.98	18.50
		1	38	17.12	17.08	17.04	18.50
		1	74	17.07	17.01	16.98	18.50
	QPSK	36	0	17.11	17.11	17.06	18.50
		36	18	17.14	17.09	16.99	18.50
		36	39	17.11	17.08	17.04	18.50
		75	0	17.10	17.07	16.98	18.50
		1	0	17.28	17.29	17.19	18.50
		1	38	17.25	17.25	17.27	18.50
		1	74	17.29	17.31	17.08	18.50
15MHz	16QAM	36	0	17.11	17.04	17.03	18.50
		36	18	17.07	17.03	16.95	18.50
		36	39	17.05	17.05	17.04	18.50
		75	0	17.02	17.01	16.96	18.50
		1	0	17.21	17.22	17.13	18.50
		1	38	17.18	17.19	17.20	18.50
		1	74	17.21	17.25	17.01	18.50
	64QAM	36	0	17.01	16.96	16.97	18.50
		36	18	17.00	16.96	16.85	18.50
		36	39	16.96	16.96	16.97	18.50
		75	0	16.94	16.95	16.90	18.50

LTE Band	LTE Band 26 Receiver on(Right head) +WiFi on/Hotspot on				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	T		
Danuwidin	iviodulation	RB Size RB Oilset	26697	26865	27033	Tune up			
	QPSK	1	0	16.76	16.73	16.72	18.50		
		1	2	16.82	16.73	16.72	18.50		
		1	5	16.77	16.67	16.71	18.50		
1.4MHz		3	0	16.83	16.79	16.78	18.50		
1.411172		3	2	16.86	16.70	16.74	18.50		
		3	3	16.75	16.78	16.71	18.50		
		6	0	16.77	16.82	16.68	18.50		
	16QAM	1	0	17.03	17.00	16.98	18.50		

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		1	2	17.04	16.97	16.93	18.50
		1	5	16.91	16.93	16.85	18.50
		3	0	16.80	16.75	16.73	18.50
		3	2	16.73	16.68	16.68	18.50
		3	3	16.74	16.69	16.74	18.50
		6	0	16.79	16.73	16.63	18.50
		1	0	16.94	16.91	16.91	18.50
		1	2	16.97	16.90	16.83	18.50
		1	5	16.83	16.84	16.76	18.50
	64QAM	3	0	16.72	16.66	16.66	18.50
		3	2	16.66	16.61	16.61	18.50
		3	3	16.64	16.64	16.67	18.50
		6	0	16.70	16.65	16.55	18.50
		·	55 "	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	26705	26865	27025	Tune up
		1	0	16.82	16.83	16.82	18.50
		1	7	16.89	16.81	16.80	18.50
		1	14	16.83	16.77	16.77	18.50
	QPSK	8	0	16.90	16.88	16.87	18.50
		8	4	16.91	16.79	16.80	18.50
		8	7	16.81	16.87	16.80	18.50
		15	0	16.84	16.87	16.74	18.50
		1	0	17.08	17.09	17.06	18.50
		1	7	17.12	17.04	17.00	18.50
		1	14	16.97	17.02	16.91	18.50
3MHz	16QAM	8	0	16.87	16.82	16.80	18.50
		8	4	16.79	16.77	16.75	18.50
		8	7	16.83	16.78	16.80	18.50
		15	0	16.84	16.79	16.68	18.50
		1	0	17.00	17.01	16.96	18.50
		1	7	17.04	16.98	16.90	18.50
		1	14	16.89	16.95	16.81	18.50
	64QAM	8	0	16.80	16.73	16.73	18.50
	0.00,	8	4	16.71	16.69	16.66	18.50
		8	7	16.77	16.68	16.72	18.50
		15	0	16.77	16.70	16.62	18.50
				Channel	Channel	Channel	10.00
Bandwidth	Modulation	RB size	RB offset	26715	26865	27015	Tune up
		1	0	16.91	16.88	16.87	18.50
		1	13	16.94	16.91	16.87	18.50
		1	24	16.93	16.86	16.82	18.50
	QPSK	12	0	16.96	16.94	16.94	18.50
5MHz	3, 5,	12	6	16.96	16.88	16.89	18.50
JIVII IZ		12	13	16.90	16.92	16.90	18.50
		25	0	16.90	16.95	16.81	18.50
		1	0	17.14	17.15	17.14	18.50
1	16QAM	1	13				
			13	17.22	17.13	17.08	18.50

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		1	24	17.05	17.07	16.99	18.50
		12	0	16.95	16.91	16.90	18.50
		12	6	16.89	16.84	16.84	18.50
		12	13	16.90	16.86	16.86	18.50
		25	0	16.91	16.85	16.78	18.50
		1	0	17.09	17.08	17.06	18.50
		1	13	17.15	17.04	17.00	18.50
		1	24	16.97	16.99	16.90	18.50
	64QAM	12	0	16.87	16.81	16.82	18.50
		12	6	16.84	16.74	16.75	18.50
		12	13	16.82	16.80	16.80	18.50
		25	0	16.85	16.77	16.71	18.50
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	26740	26865	26990	Tune up
		1	0	16.99	16.94	16.93	18.50
		1	25	17.03	16.97	16.94	18.50
		1	49	17.00	16.94	16.90	18.50
	QPSK	25	0	17.05	17.00	16.99	18.50
	Q. 0.1	25	13	17.03	16.98	16.95	18.50
		25	25	16.98	16.98	16.96	18.50
		50	0	17.01	17.01	16.90	18.50
		1	0	17.24	17.20	17.20	18.50
		1	25	17.30	17.20	17.14	18.50
	16QAM	1	49	17.11	17.16	17.06	18.50
10MHz		25	0	17.05	17.10	16.97	18.50
1011112		25	13	16.97	16.91	16.92	18.50
		25	25	16.98	16.94	16.94	18.50
		50	0	17.01	16.91	16.87	18.50
		1	0	17.19	17.15	17.13	18.50
		1	25	17.19	17.13	17.15	18.50
		1	49	17.24	17.13	16.97	18.50
	64QAM	25	0	16.95	16.92	16.91	
	04QAIVI	25	13	16.90	16.83	16.83	18.50
		25	25	16.90	16.88	16.87	18.50 18.50
		50	0	16.93	16.85	16.77	
		50	U	Channel	Channel	Channel	18.50
Bandwidth	Modulation	RB size	RB offset	26765	26865	26965	Tune up
		1	0	17.07	17.02	16.99	10.50
		1 1	38	17.07		17.03	18.50
					17.05		18.50
	QPSK	1	74 0	17.05 17.13	16.99 17.10	16.96	18.50
	QF3K	36				17.05	18.50
15MHz		36	18	17.11	17.06	17.03	18.50
		36	39	17.08	17.07	17.05	18.50
		75	0	17.10	17.07	16.98	18.50
	400	1	0	17.34	17.25	17.27	18.50
	16QAM	1	38	17.36	17.26	17.20	18.50
		1	74	17.17	17.22	17.12	18.50

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	36	0	17.11	17.05	17.03	18.50
	36	18	17.04	17.00	16.97	18.50
	36	39	17.04	17.02	17.02	18.50
	75	0	17.07	17.00	16.96	18.50
	1	0	17.28	17.17	17.20	18.50
	1	38	17.29	17.19	17.13	18.50
	1	74	17.11	17.16	17.04	18.50
64QAM	36	0	17.02	16.98	16.94	18.50
	36	18	16.99	16.94	16.90	18.50
	36	39	16.97	16.94	16.95	18.50
	75	0	17.01	16.94	16.91	18.50

LTE Band	26 Receiver of on/Hotsp		Conducted Power(dBm)				
Domahadah		DD -: -	55 %	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB size	RB offset	26697	26865	27033	Tune up
		1	0	20.06	19.96	19.87	21.00
		1	2	19.88	19.65	19.88	21.00
		1	5	20.07	19.94	19.87	21.00
	QPSK	3	0	19.90	19.82	19.51	21.00
		3	2	19.87	19.86	19.76	21.00
		3	3	20.03	19.95	19.69	21.00
		6	0	20.19	19.86	19.74	21.00
		1	0	20.57	20.15	20.41	21.00
		1	2	20.00	18.95	19.60	21.00
		1	5	20.45	20.39	20.15	21.00 21.00
1.4MHz	16QAM	3	0	20.00	19.88	20.05	21.00
		3	2	19.88	20.16	19.63	21.00
		3	3	20.36	19.97	19.98	21.00 21.00
		6	0	19.44	19.79	19.21	21.00
		1	0	20.50	20.06	20.53	21.00
		1	2	19.94	18.86	19.54	21.00
		1	5	20.41	20.31	20.05	21.00
	64QAM	3	0	19.91	19.82	19.96	21.00
		3	2	19.80	20.07	19.56	21.00
Cal		3	3	20.30	19.88	19.92	21.00
		6	0	19.36	19.71	19.12	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
Danawiath	Modulation	RD SIZE	KD Ollset	26705	26865	27025	Tune up
		1	0	20.07	20.00	19.97	21.00
		1	7	19.73	19.34	19.50	21.00
		1	14	19.97	20.10	20.00	21.00
3MHz	QPSK	8	0	20.11	19.93	19.97	21.00
SIVITIZ		8	4	20.15	19.93	19.87	21.00
	\	8	7	19.92	20.03	19.74	21.00
		15	0	19.95	19.97	19.94	21.00
	16QAM	1	0	20.39	20.47	20.04	21.00

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		1	7	19.91	19.89	19.44	21.00
		1	14	20.22	20.47	20.41	21.00
		8	0	20.01	19.79	20.02	21.00
		8	4	20.09	19.98	19.95	21.00
		8	7	20.11	19.66	19.74	21.00
		15	0	20.17	19.77	19.93	21.00
		1	0	20.32	20.39	19.95	21.00
		1	7	19.85	19.82	19.39	21.00
		1	14	20.13	20.58	20.31	21.00
	64QAM	8	0	19.94	19.71	19.95	21.00
		8	4	20.03	19.93	19.87	
		8	7	20.01	19.60	19.68	
		15	0	20.11	19.71	19.86	
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	26715	26865	27015	Tune up
		1	0	20.13	19.93	19.87	21.00
		1	13	20.03	20.04	19.97	
		1	24	20.12	20.06	19.82	
	QPSK	12	0	20.09	19.97	19.91	21.00 21.00 21.00 21.00 21.00
	·	12	6	20.03	20.02	19.92	
		12	13	20.02	20.05	19.98	
		25	0	19.97	20.05	19.82	21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00 21.00
		1	0	20.18	20.05	20.05	
	16QAM	1	13	20.42	20.54	20.11	
		1	24	19.97	19.81	20.02	
5MHz		12	0	20.06	20.07	19.96	
		12	6	19.94	19.84	19.80	
		12	13	20.11	20.01	19.89	
		25	0	19.76	20.00	19.83	
		1	0	20.09	19.96	19.99	
		1	13	20.37	20.44	20.05	
		1	24	19.89	19.76	19.95	
	64QAM	12	0	19.98	20.01	19.90	
	0 1 24 1111	12	6	19.87	19.76	19.72	
		12	13	20.05	19.93	19.83	21.00
		25	0	19.68	19.95	19.78	21.00
				Channel	Channel	Channel	Tune up
Bandwidth	Modulation	RB size	RB offset	26740	26865	26990	
		1	0	20.11	19.98	19.91	21.00
		1	25	19.74	19.85	19.98	21.00
		1	49	20.07	19.90	19.92	21.00
	QPSK	25	0	19.98	19.93	19.93	21.00
10MHz		25	13	19.96	20.03	19.78	21.00
		25	25	20.02	19.87	19.98	21.00
		50	0	20.03	19.94	19.96	21.00
			0	20.49	20.11	20.17	21.00
	16QAM	1	()	20.49	Z.U. I I	ZU. 17	/1 (10)

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		1	49	20.34	20.00	19.72	21.00
		25	0	19.94	19.97	19.93	21.00
		25	13	19.97	19.95	19.92	21.00
		25	25	20.02	19.89	19.89	21.00
	\	50	0	19.90	19.98	19.86	21.00
		1	0	20.48	20.02	20.09	21.00
		1	25	20.22	19.44	19.61	21.00
		1	49	20.27	19.94	19.63	21.00
	64QAM	25	0	19.88	19.90	19.86	21.00
		25	13	19.91	19.90	19.84	21.00
		25	25	19.93	19.80	19.82	21.00
		50	0	19.82	19.89	19.78	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
Dandwidth	Modulation	RD SIZE	KD Oliset	26765	26865	26965	Tune up
		1	0	19.94	20.05	19.92	21.00
		1	38	19.92	20.02	19.85	21.00 21.00 21.00
		1	74	19.85	19.79	19.92	21.00
	QPSK	36	0	20.00	20.07	19.97	21.00 21.00
		36	18	20.05	20.08	20.00	
		36	39	20.03	19.94	19.95	21.00
		75	0	20.12	19.95	19.95	21.00
		1	0	20.35	20.10	20.08	21.00
		1	38	20.25	19.80	20.17	21.00
		1	74	20.03	19.63	20.24	21.00
15MHz	16QAM	36	0	20.08	20.02	19.91	21.00
		36	18	20.04	19.89	19.87	21.00
		36	39	19.93	19.95	20.06	21.00
		75	0	19.98	19.85	19.86	21.00
		1	0	20.26	20.02	20.00	21.00
		1	38	20.18	19.71	20.09	21.00
		1	74	19.95	19.57	20.17	21.00
	64QAM	36	0	20.00	19.94	19.82	21.00
		36	18	19.99	19.81	19.79	21.00
		36	39	19.83	19.90	19.98	21.00
		75	0	19.90	19.75	19.77	21.00

LTE E	LTE Band 38 Receiver on(Left head)					Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up			
Danuwidin	Modulation	KD SIZE	KD Ollset	37775	38000	38225	Tune up			
		1	0	17.01	17.29	17.22	18.50			
		1	13	16.77	17.21	17.35	18.50			
		1	24	16.77	17.26	17.15	18.50			
5MHz	QPSK	12	0	16.61	17.24	17.28	18.50			
		12	6	16.55	17.22	17.08	18.50			
		12	13	16.75	17.15	17.16	18.50			
		25	0	16.58	17.05	17.16	18.50			

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		1	0	16.57	17.11	17.04	18.50
	ļ	1	13	16.84	17.03	17.10	18.50
		1	24	16.68	17.47	17.10	18.50
	16QAM	12	0	16.65	17.11	17.17	18.50
		12	6	16.64	16.94	16.98	18.50
		12	13	16.56	17.02	17.08	18.50
		25	0	16.68	17.06	17.03	18.50
		1	0	16.61	17.31	17.00	18.50
		1	13	17.15	17.33	17.15	18.50
		1	24	16.58	17.19	17.23	18.50
	64QAM	12	0	16.80	17.19	17.09	18.50
		12	6	16.74	17.13	16.89	18.50
		12	13	16.64	17.21	17.04	18.50
		25	0	16.73	17.13	17.05	18.50
			55 "	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	37800	38000	38200	Tune up
		1	0	16.92	16.52	16.90	18.50
		1	25	17.33	17.24	17.29	
	\ \	1	49	16.73	16.51	16.65	18.50 18.50 18.50 18.50 18.50
	QPSK	25	0	16.88	17.15	17.20	
		25	13	17.20	17.18	17.19	
		25	25	16.58	17.15	17.15	
		50	0	16.51	17.13	17.21	18.50
		1	0	16.68	16.62	16.71	18.50
	16QAM	1	25	16.95	17.18	17.49	18.50
		1	49	16.89	16.97	16.65	18.50
10MHz		25	0	16.76	17.04	17.43	18.50
		25	13	16.74	16.90	17.06	18.50
		25	25	17.36	17.06	16.92	18.50
		50	0	16.56	17.08	17.16	18.50
		1	0	16.96	16.94	16.95	18.50
		1	25	17.13	17.01	16.79	18.50
		1	49	16.65	16.97	16.77	18.50
	64QAM	25	0	16.84	17.25	17.02	18.50
	0.00,	25	13	16.84	17.13	17.13	18.50
		25	25	16.81	17.09	17.12	18.50
		50	0	16.77	17.10	17.51	18.50
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	37825	38000	38175	Tune up
		1	0	16.85	16.93	16.94	18.50
		1	38	16.84	17.14	17.32	18.50
		1	74	16.86	17.06	17.35	18.50
	QPSK	36	0	16.77	17.20	17.45	18.50
15MHz	Q. O.	36	18	16.69	17.20	17.43	18.50
		36	39	16.66	17.14	17.01	18.50
		75	0	16.74	17.14	17.01	18.50
	16QAM	1	0	16.87	16.64	16.71	•
	IOAVIA			10.07	10.04	10.7 1	18.50

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		1	38	17.00	17.32	16.85	18.50
		1	74	16.64	17.01	16.75	18.50
		36	0	16.64	17.17	17.18	18.50
		36	18	16.65	17.15	17.15	18.50
	\ \	36	39	16.53	17.10	17.12	18.50
		75	0	16.65	17.13	17.18	18.50
		1	0	16.50	16.91	17.11	18.50
		1	38	16.81	17.45	17.48	18.50
		1	74	16.79	17.00	17.28	18.50
	64QAM	36	0	17.09	17.16	17.18	18.50
		36	18	17.06	17.17	17.26	18.50
		36	39	16.78	17.18	17.32	18.50
		75	0	17.01	17.14	17.64	18.50
Danish dalah	NA. d. l. C.	DD -: -	DD - (()	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	37850	38000	38150	Tune up
		1	0	16.58	16.73	16.99	18.50
		1	50	16.82	17.01	17.00	18.50
		1	99	16.76	16.56	16.91	18.50
	QPSK	50	0	17.00	17.23	17.37	18.50
		50	25	16.74	17.20	17.29	18.50
		50	50	16.58	17.15	17.28	18.50
		100	0	16.73	17.18	17.24	18.50
		1	0	16.84	16.61	16.79	18.50
		1	50	16.76	16.50	17.65	18.50
18		1	99	16.96	16.94	16.82	18.50
20MHz	16QAM	50	0	16.73	17.08	17.27	18.50
		50	25	16.67	17.13	17.13	18.50
		50	50	16.81	17.04	17.22	18.50
		100	0	16.65	17.10	17.19	18.50
		1	0	16.55	16.65	16.84	18.50
		1	50	16.81	17.24	17.18	18.50
		1	99	16.53	16.69	16.74	18.50
	64QAM	50	0	17.03	17.11	17.55	18.50
		50	25	16.93	17.10	17.31	18.50
		50	50	17.09	17.26	17.38	18.50
		100	0	16.60	17.18	17.37	18.50

LTE B		Conducted P	ower(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up
Bandwidth	Wodulation	1 0	KD Ollset	37775	38000	38225	Tune up
		1	0	13.08	13.25	13.26	14.50
		1	13	12.97	13.22	13.31	14.50
5MHz	ODCK	1	24	12.91	13.19	13.16	14.50
SIVITIZ	QPSK	12	0	12.95	13.13	13.23	14.50
		12	6	12.84	13.11	13.21	14.50
		12	13	12.96	13.13	13.13	14.50

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		25	0	12.86	13.08	13.17	14.50
		1	0	12.78	13.26	13.50	14.50
		1	13	12.80	13.21	12.97	14.50
		1	24	12.86	13.22	13.41	14.50
	16QAM	12	0	12.81	13.08	13.07	14.50
		12	6	12.66	12.97	13.10	14.50
		12	13	12.71	13.12	13.07	14.50
		25	0	12.68	13.02	13.08	14.50
		1	0	12.99	13.15	13.30	14.50
		1	13	12.99	13.16	13.66	14.50
		1	24	13.01	13.05	13.18	14.50
	64QAM	12	0	12.99	13.18	13.21	14.50
		12	6	13.05	13.16	13.39	14.50
		12	13	12.94	13.13	13.26	14.50
		25	0	12.64	13.14	13.25	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up
bandwidth	iviodulation	RD SIZE	RD Ollset	37800	38000	38200	Tune up
		1	0	12.66	12.50	12.61	14.50
		10	25	13.18	13.59	13.14	14.50
		1	49	12.82	12.73	12.85	14.50
	QPSK	25	0	12.86	13.10	13.20	14.50
		25	13	12.81	13.15	13.19	14.50
		25	25	12.75	13.09	13.14	14.50
		50	0	12.81	13.14	13.15	14.50
		1	0	12.63	12.55	12.50	14.50
		1	25	13.66	13.69	13.49	14.50
		1	49	12.54	12.57	12.71	14.50
10MHz	16QAM	25	0	12.83	13.08	13.15	14.50
		25	13	12.78	13.13	13.20	14.50
		25	25	12.76	13.22	13.04	14.50
		50	0	12.74	13.16	13.20	14.50
		1	0	12.58	12.53	12.91	14.50
		1	25	12.84	13.39	13.38	14.50
		1	49	12.77	12.94	12.87	14.50
	64QAM	25	0	13.24	13.10	13.42	14.50
		25	13	13.01	13.11	13.23	14.50
7 600		25	25	12.64	13.12	13.23	14.50
ALC		50	0	12.68	13.18	13.28	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
Danawiatii	Wodulation	ND SIZE		37825	38000	38175	-
		1	0	12.57	12.56	12.67	14.50
		1	38	12.88	13.09	13.11	14.50
		1	74	12.88	13.07	12.87	14.50
15MHz	QPSK	36	0	13.11	13.26	13.35	14.50
		36	18	12.79	13.08	13.24	14.50
		36	39	12.76	13.14	13.23	14.50
		75	0	12.82	13.15	13.35	14.50

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_								
			1	0	12.81	12.71	12.76	14.50
			1	38	13.09	13.47	13.43	14.50
			1	74	12.66	13.37	13.45	14.50
		16QAM	36	0	12.78	13.13	13.35	14.50
			36	18	12.76	13.18	13.10	14.50
			36	39	12.68	13.08	13.18	14.50
			75	0	12.73	13.06	13.23	14.50
			1	0	12.72	12.84	12.92	14.50
			1	38	13.07	13.37	13.54	14.50
			1	74	12.87	13.10	12.86	14.50
		64QAM	36	0	13.16	13.19	13.29	14.50
			36	18	13.11	13.23	13.35	14.50
			36	39	13.12	13.14	13.09	14.50
			75	0	13.15	13.17	13.57	14.50
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tungun
	bandwidth	Modulation	KD SIZE	KD Ollset	37850	38000	38150	Tune up
			1	0	12.66	12.64	12.88	14.50
			1	50	13.55	13.46	13.33	14.50
			10)	99	12.59	12.84	12.74	14.50
		QPSK	50	0	12.95	13.35	13.35	14.50
			50	25	12.91	13.24	13.19	14.50
			50	50	13.55	13.08	13.25	14.50
			100	0	12.93	13.29	13.22	14.50
			1	0	12.66	12.71	12.90	14.50
			1	50	13.35	13.53	13.59	14.50
			1	99	12.89	12.79	12.70	14.50
	20MHz	16QAM	50	0	12.60	13.19	13.23	14.50
			50	25	12.86	12.93	13.19	14.50
			50	50	12.81	13.07	13.19	14.50
			100	0	12.84	13.10	13.23	14.50
			1	0	13.00	12.74	12.94	14.50
			1	50	13.22	13.28	13.66	14.50
			1	99	12.85	12.93	12.68	14.50
		64QAM	50	0	13.32	13.32	13.33	14.50
			50	25	12.73	13.16	13.28	14.50
			50	50	13.17	13.09	13.24	14.50
			100	0	13.20	13.27	13.17	14.50

LTE Ba	and 38 Receive		Conducted Po	ower(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung up
Danuwidin	iden Modulation RB size	KD SIZE	KD 011561	37775	38000	38225	Tune up
	QPSK	1	0	18.83	19.35	19.39	20.50
		1	13	18.85	19.27	19.21	20.50
5MHz		1	24	18.51	19.34	19.21	20.50
		12	0	18.81	19.36	19.23	20.50
		12	6	18.73	19.42	19.15	20.50

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100							
		12	13	18.52	19.36	19.15	20.50
		25	0	18.68	19.23	19.22	20.50
		1	0	18.80	19.31	19.23	20.50
		1	13	18.79	19.24	19.26	20.50
		1	24	18.63	19.81	19.06	20.50
	16QAM	12	0	18.88	19.27	19.27	20.50
		12	6	18.81	19.18	18.98	20.50
		12	13	18.65	19.24	19.04	20.50
		25	0	18.57	19.32	19.12	20.50
		1	0	18.80	19.10	19.55	20.50
		1	13	18.96	19.47	19.35	20.50
		1	24	18.91	19.03	19.37	20.50
	64QAM	12	0	18.95	19.21	19.48	20.00
		12	6	18.91	19.14	19.50	20.00
		12	13	18.95	19.26	19.29	20.00
		25	0	18.92	19.16	19.29	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tung un
Balluwidili	Wodulation	ND SIZE	KD Ollset	37800	38000	38200	Tune up
		1	0	18.60	18.71	18.76	20.50
		1	25	18.92	19.30	19.27	20.50
		1	49	18.89	18.87	18.97	20.50
	QPSK	25	0	18.94	19.11	19.24	20.50
		25	13	18.52	19.06	19.22	20.50
		25	25	18.66	19.17	19.07	20.50
		50	0	18.54	19.20	19.38	20.50
		1	0	18.67	18.87	18.77	20.50
		1	25	18.64	19.00	19.33	20.50
		1	49	18.82	19.16	19.39	20.50
10MHz	16QAM	25	0	19.01	19.06	19.15	20.50
		25	13	18.74	19.01	19.10	20.50
		25	25	18.57	19.09	19.14	20.50
		50	0	18.64	19.04	19.26	20.50
		1	0	18.62	18.74	18.85	20.50
		1	25	18.63	18.89	19.17	20.50
		1	49	18.61	18.55	18.74	20.50
and cale	64QAM	25	0	18.91	19.13	19.38	20.00
T Books I		25	13	18.78	19.15	19.43	20.00
		25	25	18.95	19.16	19.22	20.00
		50	0	18.80	19.13	19.29	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
24.1411411		112 0120		37825	38000	38175	
		1	0	18.54	18.61	18.77	20.50
		1	38	19.03	19.16	19.42	20.50
15MHz	QPSK	1	74	18.97	19.09	18.94	20.50
		36	0	18.95	19.17	19.28	20.50
		36	18	18.95	19.18	19.36	20.50
		36	39	18.77	19.12	19.40	20.50

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		75	0	18.77	19.11	19.38	20.50
		1	0	18.98	18.68	18.90	20.50
		1	38	18.68	19.07	19.54	20.50
		1	74	18.84	18.98	19.57	20.50
	16QAI	M 36	0	18.74	19.05	19.33	20.50
		36	18	18.76	19.09	19.26	20.50
		36	39	18.62	19.13	19.17	20.50
		75	0	18.66	19.02	19.35	20.50
		1	0	18.52	18.52	18.62	20.50
		1	38	19.51	19.16	19.24	20.50
		1	74	18.83	19.16	18.88	20.50
	64QAI	M 36	0	19.08	19.23	19.52	20.00
		36	18	18.92	19.19	19.37	20.00
		36	39	19.01	19.17	19.34	20.00
		75	0	19.03	19.25	19.20	20.00
Bandwi	dth Modulat	ion RB size	RB offset	Channel	Channel	Channel	Tungun
Danuwi	utii Modulat	IOII RD SIZE	KD Ollset	37850	38000	38150	Tune up
		1	0	18.64	18.68	18.73	20.50
		1	50	19.58	19.35	19.54	20.50
		1	99	19.58	18.61	18.69	20.50
	QPSk		0	18.62	19.35	19.68	20.50
		50	25	18.93	19.31	19.28	20.50
		50	50	18.96	19.31	19.24	20.50
		100	0	18.94	19.34	19.30	20.50
		1	0	18.85	18.61	18.77	20.50
		1	50	19.16	19.58	19.89	20.50
		1	99	18.99	18.59	18.98	20.50
20MH	z 16QAI	M 50	0	18.62	19.33	19.39	20.50
		50	25	18.70	19.29	19.27	20.50
		50	50	18.78	19.24	19.18	20.50
		100	0	18.84	19.24	19.20	20.50
		1	0	18.66	18.66	18.62	20.50
		1	50	18.96	19.49	19.49	20.50
		1	99	18.61	18.55	18.62	20.50
	64QAI		0	19.22	19.23	19.54	20.00
		50	25	19.08	19.11	19.54	20.00
1 6		50	50	19.15	19.19	19.52	20.00
		100	0	19.12	19.19	19.36	20.00

	LTE Band 38 F		Conducted Po	ower(dBm)				
	Bandwidth Modulation	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
		KB Size KB Oliset	37775	38000	38225	Turie up		
		ODOK	1	0	14.11	14.17	14.40	15.50
	5MHz		1	13	13.61	14.21	14.45	15.50
	SWIFIZ	QPSK	1	24	13.85	14.19	14.31	15.50
			12	0	13.96	14.16	14.31	15.50

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100							
		12	6	13.91	14.15	14.24	15.50
		12	13	13.86	14.15	14.23	15.50
		25	0	13.85	14.11	14.20	15.50
		1	0	13.92	14.36	14.35	15.50
		1	13	13.83	13.89	14.32	15.50
		1	24	13.75	14.11	14.26	15.50
	16QAM	12	0	13.79	14.08	14.08	15.50
		12	6	13.74	14.04	14.12	15.50
		12	13	13.71	14.01	14.12	15.50
		25	0	13.70	13.97	14.23	15.50
		1	0	13.68	14.36	14.29	15.50
		1	13	13.94	14.10	14.47	15.50
		1	24	13.89	14.21	14.63	15.50
	64QAM	12	0	13.93	14.30	14.32	15.50
		12	6	13.93	14.15	14.23	15.50
		12	13	13.80	14.29	14.05	15.50
		25	0	13.80	14.11	14.39	15.50
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	37800	38000	38200	Tune up
		1	0	13.99	13.52	13.82	15.50
		1	25	13.66	14.55	14.19	15.50
		1	49	13.75	13.65	13.72	15.50
	QPSK	25	0	13.77	14.43	14.40	15.50
		25	13	13.78	14.40	14.40	15.50
		25	25	13.81	13.96	14.36	15.50
		50	0	13.83	14.00	14.34	15.50
		1	0	13.63	13.69	13.68	15.50
		1	25	13.54	13.85	13.86	15.50
		1	49	13.74	13.84	13.67	15.50
10MHz	16QAM	25	0	13.64	14.13	14.26	15.50
		25	13	13.69	13.98	14.24	15.50
		25	25	13.92	14.03	14.18	15.50
		50	0	13.56	14.02	14.28	15.50
		1	0	13.73	13.83	14.11	15.50
		1	25	13.61	13.83	13.88	15.50
Cal		1	49	13.70	13.68	13.76	15.50
	64QAM	25	0	13.74	14.17	14.32	15.50
		25	13	14.01	14.08	14.25	15.50
		25	25	13.93	14.10	14.36	15.50
		50	0	13.60	14.14	14.31	15.50
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	37825	38000	38175	Tune up
		1 (0	13.64	13.95	13.72	15.50
		1	38	13.96	14.16	14.43	15.50
15MHz	QPSK	1	74	13.87	14.21	14.36	15.50
		36	0	13.96	14.30	14.53	15.50

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		36	39	13.93	14.23	14.42	15.50
		75	0	13.95	14.27	14.39	15.50
		1	0	13.84	13.86	13.86	15.50
		1	38	13.88	14.43	14.41	15.50
		1	74	13.98	14.38	13.84	15.50
	16QAM	36	0	13.96	14.26	14.38	15.50
		36	18	13.89	14.22	14.37	15.50
		36	39	13.85	14.17	14.20	15.50
		75	0	13.85	14.21	14.31	15.50
		1	0	13.64	13.89	13.98	15.50
		1	38	13.75	14.67	14.46	15.50
		1	74	14.03	14.27	14.15	15.50
	64QAM	36	0	14.27	14.22	14.56	15.50
		36	18	14.17	14.19	14.42	15.50
		36	39	14.16	14.09	14.48	15.50
		75	0	14.11	14.11	14.44	15.50
5 1 1 1 1 1		DD :	DD " .	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	37850	38000	38150	Tune up
		10	0	13.65	13.68	14.02	15.50
		1	50	13.98	14.26	14.36	15.50
		1	99	13.57	13.76	13.77	15.50
	QPSK	50	0	13.96	14.22	14.48	15.50
		50	25	13.57	14.23	14.35	15.50
		50	50	13.91	14.27	14.38	15.50
		100	0	13.97	14.30	14.47	15.50
		1	0	13.51	13.62	13.87	15.50
		1	50	13.68	14.03	14.16	15.50
		1	99	13.53	13.79	13.79	15.50
20MHz	16QAM	50	0	13.92	14.18	14.39	15.50
		50	25	13.83	14.16	14.29	15.50
		50	50	13.84	14.22	14.38	15.50
	4	50 100	50	13.84 13.84	14.22 14.23	14.38 14.40	15.50 15.50
							15.50 15.50 15.50
		100	0	13.84	14.23	14.40	15.50 15.50
		100	0	13.84 13.68	14.23 13.68	14.40 14.11	15.50
	64QAM	100 1 1	0 0 50	13.84 13.68 14.33	14.23 13.68 14.11	14.40 14.11 14.57	15.50 15.50 15.50 15.50
	64QAM	100 1 1 1	0 0 50 99	13.84 13.68 14.33 13.86	14.23 13.68 14.11 13.82	14.40 14.11 14.57 13.88	15.50 15.50 15.50 15.50 15.50
	64QAM	100 1 1 1 1 50	0 0 50 99 0	13.84 13.68 14.33 13.86 14.30	14.23 13.68 14.11 13.82 14.22	14.40 14.11 14.57 13.88 14.65	15.50 15.50 15.50 15.50

LTE Band	38 Receiver o on/Hotsp		Conducted P	Power(dBm)			
Bandwidth	Modulation	DP oizo	DD -#+	Channel	Channel	Channel	Tungun
Danuwium	Modulation RB size RB offse		KD Ollset	37775	38000	38225	Tune up
		1	0	9.95	10.28	10.31	11.50
5MHz	QPSK	1	13	9.95	10.28	10.26	11.50
		1	24	9.56	10.22	10.12	11.50

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140							
		12	0	9.84	10.17	10.23	11.50
		12	6	9.68	10.34	10.26	11.50
		12	13	9.73	10.35	10.12	11.50
		25	0	9.77	10.30	10.15	11.50
		1	0	9.88	10.35	10.25	11.50
		1	13	9.72	10.50	10.11	11.50
		1	24	9.86	10.10	10.07	11.50
	16QAM	12	0	9.79	10.11	10.18	11.50
		12	6	9.75	10.06	9.97	11.50
		12	13	9.70	10.22	10.04	11.50
		25	0	9.78	10.11	10.03	11.50
		1	0	10.14	10.43	10.52	11.50
		1	13	10.13	10.09	10.60	11.50
		1	24	9.93	10.40	10.41	11.50
	64QAM	12	0	9.79	10.22	10.37	11.50
		12	6	9.91	10.31	10.23	11.50
		12	13	9.95	10.23	10.19	11.50
		25	0	9.79	10.13	10.16	11.50
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	37800	38000	38200	Tune up
		1	0	9.56	9.52	9.77	11.50
		1	25	9.65	10.64	10.36	11.50
		1	49	9.50	9.60	9.55	11.50
	QPSK	25	0	9.93	10.23	10.37	11.50
	4. 5.7	25	13	9.71	10.22	10.34	11.50
		25	25	9.50	10.26	10.23	11.50
		50	0	9.85	10.29	10.37	11.50
		1	0	9.77	9.88	9.74	11.50
		1	25	9.74	9.82	10.40	11.50
		1	49	9.75	9.67	9.65	11.50
10MHz	16QAM	25	0	9.68	10.01	10.48	11.50
		25	13	9.55	9.95	10.26	11.50
		25	25	9.85	10.00	10.10	11.50
		50	0	9.50	10.11	10.24	11.50
		1	0	9.95	9.84	9.96	11.50
		1	25	9.97	10.50	10.22	11.50
		1	49	9.75	9.67	9.78	11.50
	64QAM	25	0	9.89	10.15	10.25	11.50
	O+Q/AIVI	25	13	9.69	10.10	10.16	11.50
		25	25	10.04	10.20	10.10	11.50
		50	0	9.66	10.12	10.34	11.50
			_	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	37825	38000	38175	Tune up
		1	0	9.95	9.84	9.63	11.50
				0.00	J.U-T	0.00	11.00
					10 16	10.35	
15MHz	QPSK	1	38 74	9.62 9.94	10.16 10.05	10.35 10.19	11.50 11.50

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		36	18	9.84	10.19	10.34	11.50
		36	39	9.64	10.14	10.12	11.50
		75	0	9.70	10.12	10.35	11.50
		1	0	9.86	9.61	9.84	11.50
		1	38	9.96	9.95	10.45	11.50
		1	74	9.79	9.90	10.07	11.50
	16QAM	36	0	9.63	10.16	10.60	11.50
		36	18	9.71	10.16	10.43	11.50
		36	39	9.70	10.08	10.03	11.50
		75	0	9.75	10.04	10.20	11.50
		1	0	9.84	9.56	9.94	11.50
		1	38	10.34	10.00	10.30	11.50
		1	74	10.22	10.30	10.22	11.50
	64QAM	36	0	10.25	10.28	10.37	11.50
		36	18	9.74	10.16	10.30	11.50
		36	39	10.03	10.16	10.44	11.50
		75	0	9.84	10.20	10.26	11.50
				Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	37850	38000	38150	Tune u
		1	0	9.55	9.66	10.12	11.50
		1	50	10.15	10.45	10.61	11.50
		1	99	9.61	9.79	9.58	11.50
	QPSK	50	0	9.97	10.34	10.56	11.50
		50	25	9.83	10.22	10.37	11.50
		50	50	9.96	10.33	10.35	11.50
		100	0	9.92	10.33	10.36	11.50
		1	0	9.84	9.53	9.78	11.50
		1	50	10.26	10.29	10.43	11.50
		1	99	9.57	9.90	9.62	11.50
20MHz	16QAM	50	0	9.70	10.25	10.31	11.50
		50	25	9.51	10.23	10.38	11.50
		50	50	9.91	10.25	10.31	11.50
		100	0	9.82	10.19	10.18	11.50
		1	0	9.78	9.82	10.03	11.50
		1	50	10.37	10.37	10.38	11.50
	1	 1	99	9.89	9.84	9.67	11.50
				0.00			
	64QAM			9.86	10.27	10.51	11.50
	64QAM	50	0	9.86 10.04	10.27	10.51	11.50 11.50
	64QAM			9.86 10.04 10.17	10.27 10.20 10.14	10.51 10.40 10.41	11.50 11.50 11.50

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LTE Band			ne)+WiFi		Conducted P	ower(dBm)	
Dan dhiidh			DD offeet	Channel	Channel	Channel	T
Bandwidth	Modulation	RB SIZE	RB ollset	37775	38000	38225	Tune up
		1	0	16.09	16.18	16.34	17.50
		1	13	15.67	16.13	16.30	17.50
		1	24	15.94	16.16	16.25	17.50
	QPSK	12	0	15.79	16.15	16.38	17.50
		12	6	15.61	15.92	16.18	17.50
		12	13	15.51	16.19	16.29	17.50
		25	0	15.74	16.12	16.27	17.50
		1	0	15.53	16.12	16.48	17.50
		1	13	16.11	16.39	16.48	17.50
		1	24	15.72	16.38	16.19	17.50
5MHz	16QAM	12	0	16.03	16.04	2 16.48 17.50 9 16.48 17.50 8 16.19 17.50 4 16.27 17.50 2 16.17 17.50 8 16.11 17.50 0 16.17 17.50 5 16.61 17.50 1 15.94 17.50 5 16.14 17.50 5 16.14 17.50 6 16.13 17.50 2 16.19 17.50	
		12	6	15.66	15.92	16.17	
		12	13	15.99	16.28	16.11	+
		25	0	37775 38000 38225 Tune up 16.09 16.18 16.34 17.50 15.67 16.13 16.30 17.50 15.94 16.16 16.25 17.50 15.79 16.15 16.38 17.50 15.61 15.92 16.18 17.50 15.51 16.19 16.29 17.50 15.74 16.12 16.27 17.50 15.53 16.12 16.48 17.50 15.72 16.38 16.19 17.50 15.72 16.38 16.19 17.50 15.66 15.92 16.17 17.50 15.99 16.28 16.11 17.50 15.68 16.30 16.17 17.50 15.84 16.32 16.47 17.50 15.81 16.31 15.94 17.50 15.81 16.31 15.94 17.50 16.13 16.13 17.50			
	Modulation RB size RB offset Channel Channel 37775 38000 3822	16.61					
		16.47	†				
		1	24	15.81	16.31	15.94	
	64QAM	12	0				16.47 17.50 15.94 17.50 16.14 17.50 16.13 17.50 16.19 17.50
		12	6				
		12	13	15.95	16.22	16.19	
		25	0	15.94	16.07	16.05	
		55 ·	55 " '	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	37800	38000	38200	Tune up
		1	0	15.65	15.53	15.61	17.50
		1	25	15.73	16.17	16.48	17.50
		1	49	16.01	16.12	16.31	17.50
	QPSK	25	0	15.86	16.17	16.22	17.50
Bandwidth Modulation RB size RB offset Channel 37800 38000 Channel 37800 38000 1 0 15.65 15.53 15.73 16.17 1 49 16.01 16.12 16.12 QPSK 25 0 15.86 16.17 16.17	16.22	17.50					
		25	25	15.66	16.18	16.17	17.50
		50	0				
		1	0	15.96	15.59	15.96	
		1	25		16.16 16.25 17.50 16.15 16.38 17.50 15.92 16.18 17.50 16.19 16.29 17.50 16.12 16.27 17.50 16.12 16.48 17.50 16.39 16.48 17.50 16.38 16.19 17.50 16.38 16.19 17.50 16.29 16.17 17.50 16.38 16.19 17.50 16.29 16.17 17.50 16.28 16.11 17.50 16.30 16.17 17.50 16.31 15.94 17.50 16.32 16.47 17.50 16.31 15.94 17.50 16.15 16.14 17.50 16.15 16.14 17.50 16.16 17.50 17.50 16.10 16.05 17.50 16.10 16.48 17.50 16.17 16.48 17.50 <td< td=""></td<>		
Contract of		1	49	16.01			Tune up 17.50
10MHz	16QAM	25	RB offset 37800 38000 38200 0 15.65 15.53 15.61 1 25 15.73 16.17 16.48 1 49 16.01 16.12 16.31 1 0 15.86 16.17 16.22 1 13 15.91 16.13 16.22 1 25 15.66 16.18 16.17 1 0 15.52 16.10 16.23 1 0 15.96 15.59 15.96 1 25 16.03 16.65 16.71 1 49 16.01 16.22 15.74 1 0 15.85 16.24 16.25 1				
		25	13	15.55	16.15		17.50 17.50
		25	25				
		50	0		16.22		
		_					1
			+				
							17.00
	64QAM	25	0	15.61	16.13	16.07	17 50
	64QAM	25 25	0 13				

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		5 0	0	45 57	40.00	40.00	17.50
		50	0				17.50
Bandwidth	Modulation	RB size	RB offset				Tune up
		1	0				17.50
		1					1
		1					1
	QPSK	36					
	QFSK	36	_				
		36					
		75					
		1					
		<u>'</u> 1					
		1	37825 38000 38175 0 15.66 15.51 15.93 38 15.95 16.12 16.41 74 15.91 16.12 15.98 0 15.97 16.15 16.45 18 15.89 16.15 16.36 39 15.89 16.13 16.44 0 15.95 16.09 16.41 0 15.59 15.74 15.61 38 16.20 16.22 16.59 74 15.95 16.34 16.59 0 15.85 16.11 16.42 18 15.93 16.00 16.16 39 15.88 16.08 16.33 0 15.89 15.50 16.18 38 15.99 16.24 16.29 74 15.86 16.14 16.03 0 15.89 15.50 16.18 38 15.99 16.24 16.29 <t< td=""><td></td><td></td></t<>				
15MHz	16QAM	36			Channel Channel 38000 38175 15.51 15.93 17 16.12 16.41 17 16.15 16.45 17 16.15 16.36 17 16.15 16.36 17 16.15 16.36 17 16.15 16.36 17 16.17 16.09 16.41 17 15.74 15.61 17 16.22 16.59 17 16.34 16.59 17 16.11 16.42 17 16.08 16.33 17 16.08 16.33 17 16.08 16.34 17 16.08 16.33 17 16.14 16.03 17 16.15 16.18 17 16.14 16.03 17 16.18 16.33 17 16.18 16.33 17 16.19 16.45 17		
1011112	100,111	36					1
		36				1	
		75 0 15.86 16.04 16.34 1 0 15.89 15.50 16.18 1 38 15.99 16.24 16.29					
							Channel Tune up 38175 17.50 15.93 17.50 16.41 17.50 15.98 17.50 16.45 17.50 16.36 17.50 16.44 17.50 16.41 17.50 16.59 17.50 16.59 17.50 16.59 17.50 16.42 17.50 16.33 17.50 16.34 17.50 16.33 17.50 16.34 17.50 16.35 17.50 16.45 17.50 16.33 17.50 16.45 17.50 16.33 17.50 16.44 17.50 16.31 17.50 16.32 17.50 16.43 17.50 16.51 17.50 16.42 17.50 16.43 17.50 16.44 17.50 16.42 17.50 16.4
	64QAM		1 38 15 1 74 15 36 0 16 36 18 15 36 39 15				
	0+Q/ tivi						Channel Tune up 38175 17.50 15.93 17.50 16.41 17.50 15.98 17.50 16.45 17.50 16.36 17.50 16.44 17.50 16.41 17.50 16.59 17.50 16.59 17.50 16.59 17.50 16.59 17.50 16.42 17.50 16.33 17.50 16.34 17.50 16.35 17.50 16.36 17.50 16.58 17.50 16.45 17.50 16.45 17.50 16.46 17.50 16.33 17.50 16.34 17.50 16.35 17.50 16.31 17.50 16.42 17.50 16.51 17.50 16.42 17.50 16.43 17.50 16.44 17.50 16.4
Bandwidth	Modulation	RB size	RB offset				Tune up
		1	0				17.50
		1	50				
		1					1
	QPSK	50					1
		50	25				
							1 17.00
		50	50			16.42	17.50 17.50 17.50 17.50 17.50 17.50
	36 39 15.95 16.18 16.33 17 175 0 16.06 16.14 16.48 17 175	17.50					
		100	0	RB offset Channel Channel 37825 38000 38175 Tune up			
		100	Zee RB offset Channel 37825 Channel 38000 Channel 38175 Tune up 0 15.66 15.51 15.93 17.50 38 15.95 16.12 15.98 17.50 74 15.91 16.12 15.98 17.50 0 15.97 16.15 16.45 17.50 18 15.89 16.15 16.36 17.50 39 15.89 16.13 16.44 17.50 0 15.95 16.09 16.41 17.50 0 15.59 15.74 15.61 17.50 38 16.20 16.22 16.59 17.50 38 16.20 16.22 16.59 17.50 0 15.85 16.34 16.59 17.50 18 15.93 16.034 16.59 17.50 0 15.86 16.011 16.42 17.50 18 15.93 15.50 16.18 17.50 38				
		100 1 1	0 0 50	15.97 15.91 15.89 16.03	16.15 16.17 15.89 16.25	0 38175 Tune up 1 15.93 17.50 2 16.41 17.50 2 15.98 17.50 5 16.45 17.50 5 16.36 17.50 3 16.44 17.50 3 16.41 17.50 4 15.61 17.50 4 15.61 17.50 4 16.59 17.50 4 16.59 17.50 4 16.59 17.50 1 16.42 17.50 1 16.42 17.50 1 16.33 17.50 4 16.34 17.50 4 16.29 17.50 4 16.29 17.50 4 16.34 17.50 4 16.33 17.50 5 16.45 17.50 6 16.33 17.50 7 16.34 17.50 8	
20MHz	16QAM	100 1 1 1	0 0 50 99	15.97 15.91 15.89 16.03 15.99	16.15 16.17 15.89 16.25 15.56	16.44 15.82 15.83 16.07	17.50 17.50 17.50 17.50 17.50
20MHz	16QAM	100 1 1 1	0 0 50 99 0	15.97 15.91 15.89 16.03 15.99 15.84	16.15 16.17 15.89 16.25 15.56 16.19	16.59 17.50 16.42 17.50 16.16 17.50 16.33 17.50 16.34 17.50 16.18 17.50 16.29 17.50 16.58 17.50 16.45 17.50 16.45 17.50 16.48 17.50 16.33 17.50 16.48 17.50 16.32 17.50 16.51 17.50 16.41 17.50 16.42 17.50 16.44 17.50 16.44 17.50 16.35 17.50 16.35 17.50 16.36 17.50 16.37 17.50 16.38 17.50 16.39 17.50 16.12 17.50 16.12 17.50 16.12 17.50 16.12 17.50	17.50 17.50 17.50 17.50 17.50 17.50
20MHz	16QAM	100 1 1 1 1 50	0 0 50 99 0 25	15.97 15.91 15.89 16.03 15.99 15.84 15.81	16.15 16.17 15.89 16.25 15.56 16.19 16.03	16.44 15.82 15.83 16.07 16.44 16.35	annel 3150 5.91 17.50 6.32 17.50 5.73 17.50 6.51 17.50 6.41 17.50 6.42 17.50 6.44 17.50 5.82 17.50 5.83 17.50 6.44 17.50 6.44 17.50 6.44 17.50 6.35 17.50 6.35 17.50 6.36 17.50 5.85 17.50 6.74 17.50
20MHz	16QAM	100 1 1 1 1 50 50	0 0 50 99 0 25 50	15.97 15.91 15.89 16.03 15.99 15.84 15.81 15.75	16.15 16.17 15.89 16.25 15.56 16.19 16.03 16.06	16.44 15.82 15.83 16.07 16.44 16.35 16.27	17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50
20MHz	16QAM	100 1 1 1 1 50 50 50	0 0 50 99 0 25 50	15.97 15.91 15.89 16.03 15.99 15.84 15.81 15.75 15.85	16.15 16.17 15.89 16.25 15.56 16.19 16.03 16.06 16.04	16.44 15.82 15.83 16.07 16.44 16.35 16.27 16.36	17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50
20MHz	16QAM	100 1 1 1 50 50 50 50	0 0 50 99 0 25 50 0	15.97 15.91 15.89 16.03 15.99 15.84 15.81 15.75 15.85 15.85	16.15 16.17 15.89 16.25 15.56 16.19 16.03 16.06 16.04 15.68	16.44 15.82 15.83 16.07 16.44 16.35 16.27 16.36 15.85	17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50
20MHz	16QAM	100 1 1 1 50 50 50 100	0 0 50 99 0 25 50 0	15.97 15.91 15.89 16.03 15.99 15.84 15.81 15.75 15.85 15.98 16.24	16.15 16.17 15.89 16.25 15.56 16.19 16.03 16.06 16.04 15.68 15.59	16.44 15.82 15.83 16.07 16.44 16.35 16.27 16.36 15.85	17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50
20MHz	16QAM 64QAM	100 1 1 1 50 50 50 100 1	0 0 50 99 0 25 50 0 0 50	15.97 15.91 15.89 16.03 15.99 15.84 15.75 15.85 15.98 16.24 15.79	16.15 16.17 15.89 16.25 15.56 16.19 16.03 16.06 16.04 15.68 15.59 15.78	16.44 15.82 15.83 16.07 16.44 16.35 16.27 16.36 15.85 16.74 16.12	17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50
20MHz		100 1 1 1 50 50 50 100 1	0 0 50 99 0 25 50 0 0 50 99	15.97 15.91 15.89 16.03 15.99 15.84 15.81 15.75 15.85 15.98 16.24 15.79 16.06	16.15 16.17 15.89 16.25 15.56 16.19 16.03 16.06 16.04 15.68 15.59 15.78 16.19	16.44 15.82 15.83 16.07 16.44 16.35 16.27 16.36 15.85 16.74 16.12 16.29	17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50 17.50
20MHz		100 1 1 1 50 50 50 100 1 1 1 1 50	0 0 50 99 0 25 50 0 0 50 99 0	15.97 15.91 15.89 16.03 15.99 15.84 15.75 15.85 15.85 15.98 16.24 15.79 16.06 15.97	16.15 16.17 15.89 16.25 15.56 16.19 16.03 16.06 16.04 15.68 15.59 15.78 16.19	16.44 15.82 15.83 16.07 16.44 16.35 16.27 16.36 15.85 16.74 16.12 16.29 16.57	17.50 17.50

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LTE	Band 41 Receiv	er on(Left he	ead)		Condu	cted Powe	er(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel 40165	Channel 40515	Channel 40865	Channel 41215	Tune up
		1	0	18.12	17.45	17.70		19.00
		1	13	18.15	17.07	17.67		
		1	24	17.72	17.25	17.24		
	QPSK	12	0	18.25	17.23	17.73	17.19	19.00
		12	6	18.17	17.23	17.66	Channel 41215 17.20 17.27 17.22 17.19 17.08 17.18 17.15 17.03 17.14 17.14 17.14 17.07 17.19 17.45 17.31 17.31 17.27 17.17 17.06 17.39 Channel 41190 17.46 17.08 17.14 17.28 17.14 17.28 17.14 17.28 17.14 17.28 17.14 17.28 17.19 17.29 17.19 17.29 17.19 17.20 17.39 17.20 17.39 17.20 17.39 17.20 17.39 17.20 17.39 17.20 17.39 17.20 17.39 17.20 17.39 17.22 17.00 17.58 17.39 17.22 17.09 17.82 17.24	19.00
		12	13	17.80	17.21	17.46	17.18	19.00
		25	0	17.80	17.19	17.51	17.15	19.00
		1	1 0 17.64 17.25 17.43 17.03 1 13 17.66 17.30 17.37 17.14 1 24 17.86 17.01 17.19 17.14 12 0 17.68 17.08 17.40 17.03 12 6 18.00 17.09 17.38 17.12 12 13 17.59 17.02 17.31 17.07 25 0 17.56 17.10 17.31 17.19 1 0 18.49 17.53 17.89 17.45 1 13 18.28 17.49 17.84 17.31	19.00				
		1	13	17.66	17.30	17.37	17.14	19.00
		1	24	17.86	17.01	17.19	17.14	19.00
5MHz	16QAM	12	0	17.68	17.08	17.40	Channel Tu 41215 Tu 41215 17.20 1 17.27 1 17.08 1 17.15 1 17.03 1 17.14 1 17.07 1 17.07 1 17.19 1 17.45 1 17.31 1 17.27 1 17.06 1 17.39 1 17.46 1 17.08 1 17.46 1 17.08 1 17.14 1 17.28 1 17.14 1 17.28 1 17.14 1 17.28 1 17.14 1 17.28 1 17.14 1 17.28 1 17.14 1 17.28 1 17.15 1 17.00 1 17.58 1 17.39 1 17.58 1 17.39 1 17.22 1 17.09 1 17.82 1 17.09 1 17.82 1 17.09 1 17.82 1 17.09 1 17.82 1 17.09 1 17.82 1 17.09 1 17.82 1 17.09 1 17.82 1 17.09 1 17.82 1 17.82 1 17.09 1 17.82 1 17.8	19.00
		12	6	18.00	17.09	17.38	17.12	19.00
	1	12	13	17.59	17.02	17.31	6 17.08 19.00 6 17.18 19.00 1 17.15 19.00 3 17.03 19.00 7 17.14 19.00 9 17.14 19.00 1 17.03 19.00 8 17.12 19.00 1 17.07 19.00 1 17.19 19.00 9 17.45 19.00 4 17.31 19.00 4 17.27 19.00 4 17.17 19.00 8 17.39 19.00 8 17.39 19.00 8 17.39 19.00 17.06 19.00 17.46 19.00 5 17.46 19.00 5 17.08 19.00 4 17.28 19.00 7 17.14 19.00 7 17.14 19.00	
		25	0	17.56	17.10	17.31		19.00
		1	0	18.49	17.53	17.89	17.45	19.00
		1	13	18.28	17.49	17.84	17.31	19.00
		1	24	18.15	17.74	17.75	17.31	19.00
	64QAM	12	0	18.26	17.46	17.74	17.27	
		12	6	18.27	17.14	17.54	17.17	19.00
	\	12	13	18.06	17.68	17.60	17.06	19.00
		25	0	18.28	17.44	17.48	17.39	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel		Tune up
		1	0	40190	40523	40857		10.00
		1	25	17.56 18.00	17.60 17.01	17.15 17.55		
		1	49	17.86	17.01	17.33		
	QPSK	25	0	17.86	17.01	17.19		
	QFSK	25	13	17.90	17.31	17.64		Tune up 19.00 19.00 19.00 19.00
		25	25	17.88	17.25	17.47		
		50	0	17.67	17.24	17.47		
		1	0	17.33	17.12	17.43		
		1	25	17.68	17.12	17.46		
10MHz		1	49	17.69	17.31	17.94	Channel 41215 17.20 17.27 17.22 17.19 17.08 17.18 17.15 17.03 17.14 17.14 17.14 17.19 17.45 17.31 17.31 17.27 17.17 17.06 17.39 Channel 41190 17.46 17.08 17.14 17.28 17.14 17.28 17.14 17.28 17.14 17.28 17.17 17.08 17.19 17.46 17.39 Channel 41190 17.46 17.39 17.27 17.17 17.06 17.39 17.27 17.17 17.06 17.39 17.20 17.39 17.21 17.00 17.82 17.14 17.24 17.12 17.00 17.58 17.39 17.22 17.09 17.82 17.24 17.80 17.63 17.77	
1011112	16QAM	25	0	18.08	17.20	17.50		
	100,111	25	13	17.85	17.23	17.36		19.00 19.00
		25	25	17.37	17.24	17.41		
		50	0	17.74	17.16	17.55		
		1	0	17.73	17.10	17.47		
		1	25	17.73	17.92	17.06		
	64QAM	1	49	17.74	17.49	17.73		17.22
	J . 30, 1171	•	•	1				
		25	0	18.45	17.24	17.66	17 48	19 00

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		1	1	1	I	I	ı	1
		25	25	17.99	17.53	17.40	17.43	19.00
		50	0	17.96	17.10	17.47	17.50	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				40215	40532	40848	41165	•
		1	0	17.61	17.59	17.07	17.41	19.00
		1	38	17.82	17.29	17.59	17.27	19.00
		1	74	17.36	17.41	17.28	17.26	19.00
	QPSK	36	0	18.02	17.32	17.94	17.19	19.00
		36	18	17.87	17.34	17.35		19.00
		36	39	17.39	17.23	17.39		19.00
		75	0	17.91	17.27	17.39		19.00
		1	0	17.69	17.72	17.26		19.00
		1	38	17.71	17.32	17.89		19.00
		1	74	17.19	17.26	17.20		19.00
15MHz	16QAM	36	0	17.98	17.17	17.87		19.00
		36	18	17.76	17.35	17.42		19.00
		36	39	17.28	17.31	17.30		19.00
		75	0	17.82	17.17	17.69		19.00
		1	0	17.85	17.80	17.44		19.00
		1	38	18.09	17.51	17.63	17.38	19.00
		1	74	17.54	17.22	17.49	17.52	19.00
	64QAM	36	0	18.02	17.67	17.67	17.56	19.00
		36	18	18.09	17.20	17.66	17.40	19.00
		36	39	17.70	17.62	17.60	17.39	19.00
		75	0	17.73	17.60	17.67	17.38	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
Banawiani	Wiodalation	112 0120		40240	40540	40840		•
		1	0	18.04	17.64	18.12		19.00
		1	50	18.20	17.99	18.13	17.86	19.00
		1	99	17.90	17.68	17.19	17.80	19.00
	QPSK	50	0	18.43	17.76	18.66	17.67	19.00
		50	25	17.73	17.80	18.07	17.45	19.00
		50	50	17.47	18.30	17.99	17.42	19.00
		100	0	18.32	18.25	18.51	17.60	19.00
		1	0	17.54	17.00	18.35	17.97	19.00
		1	50	17.30	18.04	18.16	17.51	19.00
20MHz		1	99	17.19	17.38	17.92	17.10	19.00
2011112	16QAM	50	0	18.12	18.05	18.56	17.49	19.00
		50	25	17.71	18.02	17.99	17.32	19.00
		50	50	17.72	17.98	17.87	17.55	19.00
		100	0	17.80	17.95	18.39	17.64	19.00
		1	0	18.03	17.85	17.54	17.24	19.00
		1	50	18.07	17.42	17.25	17.57	19.00
	64QAM	1	99	17.95	17.38	17.94	17.12	19.00
	UTQ/\livi	50	0	18.05	17.66	17.78	17.13 17.19 17.18 17.64 17.98 17.13 17.13 17.13 17.15 17.10 17.12 17.14 17.38 17.52 17.56 17.40 17.39 17.38 Channel 41140 17.55 17.86 17.80 17.67 17.45 17.42 17.60 17.97 17.51 17.10 17.49 17.32 17.55 17.64 17.24 17.57	19.00
		50	25	17.83	17.56	17.58	17.31	19.00
		50	50	17.68	17.36	17.61	17.04	19.00

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100 0 18.04 17.63 17.87 17.86 19.00

LTE B	and 41 Receive	er on(Right	head)		Condu	cted Powe	r(dBm)		
Bandwidth	Modulation	RB size	RB offset	Channel 40165	Channel 40515	Channel 40865	Channel 41215	Tune up	
		1	0	14.15	13.40	13.68	13.45	15.00	
		1	13	14.19	13.42	13.65	13.28		
		1	24	14.07	13.31	13.66	13.27		
	QPSK	12	0	14.17	13.37	13.60	13.27		
		12	6	14.09	13.31	13.64	13.23		
		12							
		12 13 14.08 13.51 13.58 13.31 25 0 14.08 13.50 13.66 13.19 1 0 14.34 13.31 13.60 13.29 1 13 14.40 13.25 13.49 13.32 1 24 13.72 13.57 13.61 13.38 12 0 14.19 13.40 13.49 13.19 12 6 13.96 13.34 13.39 13.16 12 13 14.03 13.41 13.44 13.14 25 0 14.01 13.38 13.53 13.11 1 0 14.25 13.28 14.20 13.79 1 13 14.35 13.51 13.91 13.69 1 24 13.92 13.60 13.87 13.73 12 0 14.40 13.48 13.80 13.79 12 6 14.23 13.23							
			0 14.08 13.50 13.66 13.19 0 14.34 13.31 13.60 13.29 13 14.40 13.25 13.49 13.32 24 13.72 13.57 13.61 13.38 2 0 14.19 13.40 13.49 13.19 2 6 13.96 13.34 13.39 13.16 2 13 14.03 13.41 13.44 13.14 3 0 14.01 13.38 13.53 13.11 0 14.25 13.28 14.20 13.79 13 14.35 13.51 13.91 13.69 24 13.92 13.60 13.87 13.73 2 0 14.40 13.48 13.80 13.79 6 14.23 13.23 13.74 13.79						
					1.08 13.50 13.66 13.19 15 1.34 13.31 13.60 13.29 15 1.40 13.25 13.49 13.32 15 1.72 13.57 13.61 13.38 15 1.19 13.40 13.49 13.19 15 1.96 13.34 13.39 13.16 15 1.03 13.41 13.44 13.14 15 1.01 13.38 13.53 13.11 15 1.25 13.28 14.20 13.79 15 1.35 13.51 13.91 13.69 15 1.92 13.60 13.87 13.73 15 1.40 13.48 13.80 13.79 15 1.23 13.23 13.74 13.79 15 1.33 13.42 13.68 13.26 15				
5MHz	16QAM							1 une up 1 15.00	
	1								
		12				13.44			
		25							
			0	14.25	13.28		13.79		
				1					
	64QAM								
	·	12						15.00 15.00	
		12	13	14.33					
		25	0	14.32	13.43	13.62	13.70		
5 1 141			55 " '	Channel	Channel	Channel	Channel		
Bandwidth	Modulation	RB size	RB offset	40190	40523	40857	41190	Tune up	
		1	0	13.55	13.99	13.12	13.79	15.00	
		10	25	14.01	13.73	13.55	13.36	15.00	
		1	49	13.99	13.88	13.84	13.64	15.00	
	QPSK	25	0	14.11	13.54	13.79	13.40	15.00	
		25	13	13.83	13.53	13.66	13.24	15.00	
		25	25	14.05	13.52	13.66	13.33	15.00	
Cal		50	0	14.01	13.52	13.67	13.24	15.00	
		1	0	13.29	13.97	13.83	13.46	15.00	
40MU-		1	25	14.20	13.60	13.69	13.84	15.00	
10MHz		1	49	13.01	13.43	13.70	13.88	15.00	
	16QAM	25	0	14.09	13.40	13.47	13.29	15.00	
		25	13	13.87	13.45	13.54	13.24	15.00	
		25	25	13.93	13.47	13.41	13.29	15.00	
		50	0	13.84	13.42	13.47	13.43	15.00	
		1	0	13.81	13.51	13.15	13.05	15.00	
	64QAM	1	25	14.12	13.71	13.99	13.08	15.00	
	U4QAW	1	49	13.25	13.71	13.05	13.74	15.00 15.00	
		25	0	14.52	13.60	13.64	13.26	15.00	

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		25	13	13.92	13.83	13.69	13.68	15.00
		25	25	13.75	13.37	13.53	13.45	15.00
		50	0	14.37	13.36	13.69	13.24	15.00
Pandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tungun
Bandwidth	IVIOGUIALIOTI	RD SIZE	KD Ollset	40215	40532	40848	41165	Tune up
		1	0	13.66	13.84	13.12	13.79	15.00
		1	38	13.85	13.48	13.63	13.38	15.00
		1	74	13.59	13.55	13.54	13.67	15.00
	QPSK	36	0	14.14	13.53	13.72	13.32	15.00
PPOL		36	18	14.01	13.50	13.55	13.24	15.00
		36	39	13.82	13.51	13.56	13.28	15.00
		75	0	13.75	13.53	13.53	13.26	15.00
		1	0	13.58	13.64	13.39	13.52	15.00
		1	38	14.02	13.28	13.38	13.37	15.00
		1	74	13.63	13.55	13.67	13.41	15.00
15MHz	16QAM	36	0	14.01	13.42	13.68	13.25	15.00
		36	18	13.68	13.46	13.51	13.11	15.00
	\ \	36	39	13.67	13.39	13.54	13.22	15.00
		75	0	13.65	13.44	13.46	13.18	15.00
		1	0	13.93	13.01	13.25	13.08	15.00
		1	38	14.24	13.67	13.76	13.52	15.00
		1	74	13.89	13.69	13.77	13.75	15.00
	64QAM	36	0	14.40	13.93	14.00	13.85	15.00
		36	18	13.92	13.76	13.59	13.36	15.00
		36	39	13.62	13.59	13.64	13.38	15.00
		75	0	13.85	13.90	13.60	13.38	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
Banawiani	Wodalation	NB 3i20	ND onset	40240	40540	40840	41140	
		1	0	14.16	13.39	14.00	13.50	15.00
		1	50	14.65	14.41	14.19	13.61	15.00
		1	99	13.86	13.66	13.50	13.83	15.00
	QPSK	50	0	14.47	14.24	14.68	13.71	15.00
		50	25	14.27	14.14	14.07	13.47	15.00
		50	50	13.58	14.27	14.02		15.00
		100	0	14.30	14.11	14.21	13.62	15.00
		1	0	14.09	13.14	13.93	13.01	15.00
		1	50	14.21	13.59	14.26	13.61	15.00
20MHz		1	99	13.20	13.55	13.04		15.00
	16QAM	50	0	14.41	14.22	14.66		15.00
		50	25	13.85	14.11	14.08		15.00
		50	50	13.51	14.20	13.91	13.52	15.00
		100	0	14.11	14.02	14.16	13.57	15.00
		1	0	14.28	13.22	13.48	13.15	15.00
		1	50	13.79	13.82	13.66	13.54	15.00
	64QAM	1	99	13.06	13.12	13.34	13.54 15.0 13.62 15.0 13.01 15.0 14.13.01 15.0 14.13.01 15.0 14.13.01 15.0 15.0 16.13.74 15.0 17.0 18.13.50 15.0 19.1 13.52 15.0 19.1 13.52 15.0 19.1 13.52 15.0 19.1 13.52 15.0 19.1 13.52 15.0 19.1 13.54 15.0 19.1 13.54 15.0 19.1 13.54 15.0	15.00
		50	0	14.29	13.59	13.93	13.73	15.00
		50	25	14.04	13.29	13.57	13.45	15.00

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50	50	13.67	13.80	13.72	13.37	15.00	
100	0	14.16	13.82	13.81	13.43	15.00	

LTE Ba	nd 41 Receive	r off (Body S	Scene)		Condu	cted Powe	er(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				40165	40515	40865	41215	-
		1	0	19.67	19.03	19.40	18.94	
		1	13	19.62	19.05	19.00	18.56	
		1	24	19.10	19.01	18.92	18.80	
	QPSK	12	0	19.49	19.01	18.95	18.85	
		12	6	19.46	19.01	18.93	18.80	
		12	13	19.48	18.99	18.92	18.87	
		25	0	19.37	18.96	18.87	18.76	20.50
		1	0	19.57	19.26	19.03	18.78	20.50
		1	13	19.67	18.99	18.95	18.71	20.50
		1	24	19.16	19.13	18.91	18.74	20.50
5MHz	16QAM	12	0	19.63	18.90	18.84	18.71	20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50
		12	6	19.56	18.81	18.84	18.56	
		12	13	19.21	18.90	18.79	18.73	
		25	0	19.24	18.94	18.83	18.73	20.50
		1	0	19.34	19.36	19.02	2 19.22 20.50 9 18.92 20.50	
		1	13	19.47	18.92	19.19	18.92	20.50
	-	1	24	19.37	19.10	19.23	18.90	20.50
	64QAM	12	0	19.68	19.13	19.25	18.84	20.00
		12	6	19.61	19.05	18.96	19.13	20.00
		12	13	19.64	19.14	19.13	18.83	20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.00 20.00 20.00 20.00 20.00 20.50
		25	0	19.53	19.13	19.07	19.01	
Danish 2.10b	Maril Jacks	DD at a	DD - (')	Channel	Channel	Channel	Channel	-
Bandwidth	Modulation	RB size	RB offset	40190	40523	40857	41190	Tune up
		1	0	19.04	18.78	18.67	18.84	20.50
		1	25	19.56	18.90	19.00	18.54	20.50
		1	49	18.95	18.86	18.94	18.94	20.50
	QPSK	25	0	19.34	18.75	19.40	18.61	20.50
		25	13	19.31	18.74	18.95	18.72	20.50
Cal		25	25	19.21	18.62	18.73	18.71	20.50
		50	0	19.08	18.65	19.17	18.70	20.50 20.50 20.50 20.50 20.50 20.00 20.00 20.00 20.00 - Tune up 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50
		1	0	18.85	18.81	18.52	18.91	
10MHz		1	25	19.39	19.13	19.25	18.58	
		1	49	18.50	18.96	18.94	18.75	
	16QAM	25	0	19.66	18.77	19.07	18.65	
	-	25	13	19.36	18.70	18.82	18.62	20.50 20.50
		25	25	19.16	18.83	18.59	18.65	
		50	0	19.37	18.80	19.13	18.63	
		1	0	18.86	18.89	18.58	18.77	
	64QAM	1	25	19.60	19.11	18.77	19.05	
	5 . 3	1	49	18.87	18.67	18.55	18.81	
		<u>'</u>	פד	10.07	10.01	10.00	10.01	20.00

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Bandwidth Modulation RB size RB offset RB of	-								
Bandwidth Modulation RB size RB offset Channel Chann			25	0	19.49	18.87	19.36	19.06	20.00
Bandwidth Modulation RB size RB offset Channel Channel			25	13	19.49	18.79	19.30	18.89	20.00
RB size			25	25	19.39	18.91	19.16	18.94	20.00
1			50	0	19.69	19.06	19.05	18.76	20.00
1 0 18.88 18.99 18.99 18.78 20.50	Randwidth	Modulation	DR cizo	DR offeet	Channel	Channel	Channel	Channel	Tungun
1 38 19.39 18.90 18.99 18.77 20.50 1 74 18.83 18.93 18.88 18.76 20.50 36 0 19.52 18.93 19.39 18.70 20.50 36 18 19.41 18.86 18.86 18.67 20.50 36 39 19.08 18.88 19.00 18.69 20.50 36 39 19.08 18.88 19.00 18.69 20.50 1 0 18.85 18.96 18.58 18.97 20.50 1 38 19.68 18.61 19.13 18.89 20.50 1 74 18.62 18.71 18.98 18.93 20.50 1 74 18.62 18.71 18.98 18.93 20.50 36 0 19.44 18.83 19.14 18.64 20.50 36 18 19.25 18.84 19.00 18.52 20.50 36 39 19.02 18.81 19.08 18.64 20.50 36 39 19.02 18.81 19.08 18.64 20.50 1 0 19.01 18.68 18.57 18.77 20.50 1 0 19.01 18.68 18.57 18.77 20.50 1 74 19.14 18.76 18.94 19.24 20.50 1 74 19.14 18.76 18.94 19.24 20.50 64QAM 36 0 19.62 19.23 19.28 18.76 20.00 36 18 19.15 18.73 19.15 18.86 20.00 36 39 19.17 18.77 19.26 18.97 20.00 75 0 19.48 18.90 19.03 18.92 20.00 Bandwidth Modulation RB size RB offset 40.40 40.40 40.40 40.40 40.40 1 70 19.13 18.60 19.63 18.37 20.50 1 90 18.61 19.15 18.86 18.84 20.50 1 90 18.94 19.25 18.63 18.37 20.50 20 25 19.53 19.46 19.96 18.96 20.50 50 50 19.75 19.63 19.75 18.95 20.50 100 0 19.56 19.55 19.84 18.99 20.50 100 0 19.56 19.55 19.84 19.93 18.96 20.50 100 0 19.56 18.74 19.93 18.96 20.50 100 0 19.46 19.37 19.55 19.17 20.50 100 0 19.46 19.37 19.55 19.17 20.50 100 0 19.46 19.37 19.55 19.17 20.50 100 0 19.66 18.74 19.13 18.80 20.50 100 0 19.66 18.75 18.91 18.82 20.50 100 0 19.56 18.75 18.91 18.82 20.50 100 0 19.66 18.75 18.91 18.82 20.50 100 0 19.66 18.75 18.91 1	Danawiani	iviodulation	KD SIZE	KD Ollset	40215	40532	40848	41165	Turie up
1			1	0	18.88	18.89	18.89	18.78	20.50
Part			1	38	19.39	18.90	18.99	18.77	20.50
15MHz		\	1	74	18.83	18.93	18.88	18.76	20.50
15MHz 16QAM 18 19 19 18 18 19 19 18 18		QPSK	36	0	19.52	18.93	19.39	18.70	20.50
15MHz			36	18	19.41	18.86	18.86	18.67	20.50
1			36	39	19.08	18.88	19.00	18.69	20.50
15MHz			75	0	19.27	18.92	19.10	18.72	20.50
1			1	0	18.85	18.96	18.58	18.97	20.50
15MHz			1	38	19.68	18.61	19.13	18.89	20.50
36			1	74	18.62	18.71	18.98	18.93	20.50
Bandwidth Modulation RB size RB offset	15MHz	16QAM	36	0	19.44	18.83	19.14	18.64	20.50
Part		1	36	18	19.25	18.84	19.00	18.52	20.50
1			36	39	19.02	18.81	19.08	18.64	20.50
Bandwidth Modulation RB size RB offset T 19.13 19.15 19.15 19.16 19.06 18.96 20.50			75	0	19.30	18.80	19.02	18.61	20.50
Bandwidth Modulation RB size RB offset 1 99 18.61 19.15 18.86 18.94 19.24 20.50			1	0	19.01	18.68	18.57	18.77	20.50
Bandwidth Modulation RB size RB offset Channel Channel			1	38	19.15	19.12	19.06	18.96	20.50
Bandwidth Modulation RB size RB offset RB offset Channel C			1	74	19.14	18.76	18.94	19.24	20.50
Bandwidth Modulation RB size RB offset Channel Channel		64QAM	36	0	19.62	19.23	19.28	18.76	20.00
Pandwidth Modulation RB size RB offset Channel Channel Channel Channel Channel Channel Cha			36	18	19.15	18.73	19.15	18.86	20.00
Bandwidth Modulation RB size RB offset Channel 40240 Channel 40540 Channel 40840 Channel 41140 Tune up 1 0 19.13 18.60 19.63 18.37 20.50 1 50 19.47 19.39 19.64 18.38 20.50 1 99 18.61 19.15 18.86 18.84 20.50 50 25 19.53 19.46 19.96 18.96 20.50 50 25 19.53 19.46 19.96 18.96 20.50 50 50 19.15 19.63 19.75 18.95 20.50 50 50 19.15 19.63 19.75 18.95 20.50 100 0 19.56 19.55 19.84 18.98 20.50 1 50 19.44 19.27 19.27 19.33 20.50 1 99 18.94 19.25 18.63 18.71 20.50 50			36	39	19.17	18.77	19.26	18.97	20.00
Part			75	0	19.48	18.90	19.03	18.92	20.00
20MHz 1	Dan duri déla	Modulation	DD sins	DD offeet	Channel	Channel	Channel	Channel	T
QPSK	Danawiath	iviodulation	RD SIZE	RD Ollset	40240	40540	40840	41140	rune up
20MHz 1 99 18.61 19.15 18.86 18.84 20.50 50 0 19.76 19.57 20.11 19.19 20.50 50 25 19.53 19.46 19.96 18.96 20.50 50 50 19.15 19.63 19.75 18.95 20.50 100 0 19.56 19.55 19.84 18.98 20.50 1 0 0 19.55 18.91 19.35 18.85 20.50 1 1 99 18.94 19.27 19.27 19.33 20.50 1 1 99 18.94 19.25 18.63 18.71 20.50 50 25 19.46 19.29 19.45 19.03 20.50 50 25 19.46 19.29 19.45 19.03 20.50 50 25 19.46 19.29 19.45 19.03 20.50 100 0 19.46 19.37 19.55 19.17 20.50 100 0 19.56 18.74 19.13 18.82 20.50 1 99 18.86 18.57 18.91 18.82 20.50			1	0	19.13	18.60	19.63	18.37	20.50
QPSK			10	50	19.47	19.39	19.64	18.38	20.50
20MHz 50 25 19.53 19.46 19.96 18.96 20.50 50 50 19.15 19.63 19.75 18.95 20.50 100 0 19.56 19.55 19.84 18.98 20.50 1 0 19.55 18.91 19.35 18.85 20.50 1 50 19.44 19.27 19.27 19.33 20.50 1 99 18.94 19.25 18.63 18.71 20.50 50 0 19.70 19.40 19.98 19.24 20.50 50 25 19.46 19.29 19.45 19.03 20.50 50 50 19.35 19.46 19.30 18.98 20.50 100 0 19.46 19.37 19.55 19.17 20.50 1 0 19.56 18.74 19.13 18.82 20.50 1 50 19.69 19.76 19.13 18.90 20.50 1 99 18.86 18.57 18.91 18.82 20.50 1 99 18.86 18.57 18.91 18.82 20.50 1 99 18.86 18.57 18.91 18.82 20.50 1 1 10 19.69 19.76 19.13 18.82 20.50 1 99 18.86 18.57 18.91 18.82 20.50 1 1 1 18.86 18.57 18.91 18.82 20.50 1 1 1 1 18.86 18.57 18.91 18.82 20.50 1 1 1 1 1 1 1 1 1			1	99	18.61	19.15	18.86	18.84	20.50
20MHz 50 50 19.15 19.63 19.75 18.95 20.50 100 0 19.56 19.55 19.84 18.98 20.50 1		QPSK	50	0	19.76	19.57	20.11	19.19	20.50
20MHz 100 0 19.56 19.55 19.84 18.98 20.50 1 0 19.55 18.91 19.35 18.85 20.50 1 150 19.44 19.27 19.27 19.33 20.50 1 199 18.94 19.25 18.63 18.71 20.50 19.40 19.98 19.24 20.50 50 25 19.46 19.29 19.45 19.03 20.50 50 50 100 0 19.46 19.37 19.55 19.17 20.50 100 19.46 19.37 19.55 19.17 20.50 100 19.56 18.74 19.13 18.82 20.50 100 19.69 19.76 19.13 18.90 20.50 19.99 18.86 18.57 18.91 18.82 20.50			50	25	19.53	19.46	19.96	18.96	20.50
20MHz 1 0 19.55 18.91 19.35 18.85 20.50 1 50 19.44 19.27 19.33 20.50 1 99 18.94 19.25 18.63 18.71 20.50 50 0 19.70 19.40 19.98 19.24 20.50 50 25 19.46 19.29 19.45 19.03 20.50 50 50 19.35 19.46 19.30 18.98 20.50 100 0 19.46 19.37 19.55 19.17 20.50 1 0 19.56 18.74 19.13 18.82 20.50 1 50 19.69 19.76 19.13 18.90 20.50 1 99 18.86 18.57 18.91 18.82 20.50			50	50	19.15	19.63	19.75	18.95	20.50
20MHz 1 50 19.44 19.27 19.27 19.33 20.50 1 99 18.94 19.25 18.63 18.71 20.50 50 0 19.70 19.40 19.98 19.24 20.50 50 25 19.46 19.29 19.45 19.03 20.50 50 50 19.35 19.46 19.30 18.98 20.50 100 0 19.46 19.37 19.55 19.17 20.50 1 0 19.56 18.74 19.13 18.82 20.50 1 50 19.69 19.76 19.13 18.90 20.50 1 99 18.86 18.57 18.91 18.82 20.50			100	0	19.56	19.55	19.84	18.98	20.50
1 99 18.94 19.25 18.63 18.71 20.50 50 0 19.70 19.40 19.98 19.24 20.50 50 25 19.46 19.29 19.45 19.03 20.50 50 50 19.35 19.46 19.30 18.98 20.50 100 0 19.46 19.37 19.55 19.17 20.50 100 0 19.56 18.74 19.13 18.82 20.50 1 50 19.69 19.76 19.13 18.90 20.50 1 99 18.86 18.57 18.91 18.82 20.50			1	0	19.55	18.91	19.35	18.85	20.50
1 99 18.94 19.25 18.63 18.71 20.50 50 0 19.70 19.40 19.98 19.24 20.50 50 25 19.46 19.29 19.45 19.03 20.50 50 50 19.35 19.46 19.30 18.98 20.50 100 0 19.46 19.37 19.55 19.17 20.50 1 0 19.56 18.74 19.13 18.82 20.50 1 0 19.69 19.76 19.13 18.90 20.50 1 99 18.86 18.57 18.91 18.82 20.50	201411-		1	50	19.44	19.27	19.27	19.33	20.50
50 25 19.46 19.29 19.45 19.03 20.50 50 50 19.35 19.46 19.30 18.98 20.50 100 0 19.46 19.37 19.55 19.17 20.50 1 0 19.56 18.74 19.13 18.82 20.50 1 50 19.69 19.76 19.13 18.90 20.50 1 99 18.86 18.57 18.91 18.82 20.50	ZUIVITIZ		1	99	18.94	19.25	18.63	18.71	20.50
50 50 19.35 19.46 19.30 18.98 20.50 100 0 19.46 19.37 19.55 19.17 20.50 1 0 19.56 18.74 19.13 18.82 20.50 1 50 19.69 19.76 19.13 18.90 20.50 1 99 18.86 18.57 18.91 18.82 20.50		16QAM	50	0	19.70	19.40	19.98	19.24	20.50
100 0 19.46 19.37 19.55 19.17 20.50 1 0 19.56 18.74 19.13 18.82 20.50 1 50 19.69 19.76 19.13 18.90 20.50 1 99 18.86 18.57 18.91 18.82 20.50			50	25	19.46	19.29	19.45	19.03	20.50
64QAM 1 0 19.56 18.74 19.13 18.82 20.50 1 50 19.69 19.76 19.13 18.90 20.50 1 99 18.86 18.57 18.91 18.82 20.50			50	50	19.35	19.46	19.30	18.98	20.50
64QAM 1 50 19.69 19.76 19.13 18.90 20.50 1 99 18.86 18.57 18.91 18.82 20.50			100	0	19.46	19.37	19.55	19.17	20.50
64QAM 1 99 18.86 18.57 18.91 18.82 20.50			1	0	19.56	18.74	19.13	18.82	20.50
1 99 18.86 18.57 18.91 18.82 20.50		640084	1	50	19.69	19.76	19.13	18.90	20.50
50 0 19.63 19.23 19.50 18.84 20.00		64QAW	1	99	18.86	18.57	18.91	18.82	20.50
			50	0	19.63	19.23	19.50	18.84	20.00

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	50	25	19.37	19.09	19.32	18.85	20.00
	50	50	19.01	19.01	19.04	18.88	20.00
	100	0	19.62	19.24	19.20	18.89	20.00

			N 14/1-1					
LTE Ban	d 41 Receiver on/Hotsp		I) +WIFI		Condu	cted Powe	r(dBm)	
Bandwidth	Modulation	RB size	RB offset	Channel 40165	Channel 40515	Channel 40865	Channel 41215	Tune up
		1	0	14.90	14.00			16.00
		1	13	14.74	14.44	40515 40865 41215 Tune up 14.00 14.72 14.05 16.00 14.44 14.64 14.30 16.00 14.42 14.18 14.87 16.00 14.48 14.97 14.30 16.00 14.54 14.70 14.22 16.00 14.54 14.80 14.35 16.00 14.51 14.80 14.35 16.00 14.40 14.81 14.86 16.00 14.40 14.86 14.75 16.00 14.40 14.86 14.75 16.00 14.42 14.87 14.37 16.00 14.42 14.59 14.18 16.00 14.43 14.67 14.28 16.00 14.45 14.489 14.81 16.00 14.47 14.486 14.67 16.00 14.48 14.69 14.65 16.00 14.40 14.86 14.75 16.00 14.48 <t< td=""></t<>		
		1	24	14.88	14.42			
	QPSK	12	0	15.07	14.48	14.97	14.30	16.00
		12	6	14.87	14.54		Channel Channel 40865 41215 14.72 14.05 14.64 14.30 14.70 14.22 14.77 14.31 14.80 14.54 14.54 14.59 14.18 14.67 14.69 14.67 14.66 14	
		12	13	14.64	14.54	14.77		
		25	0	14.95	14.51			
		1	0 14.45 14.16 14.54 14.86 16. 13 14.79 14.73 14.54 14.23 16. 24 14.65 14.40 14.86 14.75 16. 0 14.97 14.54 14.87 14.37 16. 6 14.76 14.42 14.59 14.18 16. 13 14.34 14.53 14.67 14.28 16. 0 14.84 14.46 14.59 14.32 16. 0 15.28 14.87 14.89 14.81 16.	16.00				
		1	13	14.79	14.73	14.54 14.23 16.0 14.86 14.75 16.0 14.87 14.37 16.0 14.59 14.18 16.0 14.67 14.28 16.0 14.59 14.32 16.0 14.89 14.81 16.0		
		1	24	14.65	14.40	14.86	.70 14.22 16.00 .77 14.31 16.00 .80 14.35 16.00 .54 14.86 16.00 .54 14.23 16.00 .86 14.75 16.00 .87 14.37 16.00 .59 14.18 16.00 .59 14.32 16.00 .89 14.81 16.00 .69 14.67 16.00 .62 14.65 16.00 .86 14.75 16.00 .66 14.68 16.00 .66 14.68 16.00 .66 14.68 16.00 .67 14.68 16.00 .68 14.75 16.00 .66 14.68 16.00 .67 14.68 16.00 .68 14.70 16.00 .69 14.68 16.00	
5MHz	16QAM	12	0	14.97	14.54	14.87	14.37	4.31 16.00 4.35 16.00 4.86 16.00 4.23 16.00 4.75 16.00 4.37 16.00 4.18 16.00 4.28 16.00 4.32 16.00 4.81 16.00 4.86 16.00 4.67 16.00 4.75 16.00 4.70 16.00 4.68 16.00
		12	6		14.42			
		12	13	14.34	14.53		14.18 16.00 14.28 16.00 14.32 16.00 14.81 16.00	
		25	0	14.84	14.46	14.59	14.32	16.00
		1	0	15.28	14.87	14.89	9 14.81 16.00 6 14.86 16.00	16.00
		1	13	15.32	14.75		14.86	
		1	24	15.21	14.84	14.69	14.67	16.00
	64QAM	12	0	15.21	14.34	14.62	14.65	16.00
		12	6	15.09	14.71	14.86	14.75	100 16.00
		12	13	15.28	14.80	14.66	14.70	16.00
		AM 12 12	0	15.24	14.74	14.66	14.68	16.00
Dan desidile	Madulation	DD -:	DD -#	Channel	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	RB offset	40190	40523	40857	41190	rune up
		1	0	14.60	14.80	14.36	14.65	16.00
		1	25	14.86	14.38	14.65	14.23	16.00
		1	49	14.54	14.75	14.39	14.37	16.00
	QPSK	25	0	15.09	14.41	14.81	14.30	16.00
Cal		25	13	15.07	14.40	14.69	14.16	16.00
		25	25	14.58	14.41	14.64	14.28	16.00
		50	0	14.91	14.39	14.70	14.21	16.00 16.00
400411-		1	0	14.53	14.75	14.30	14.78	16.00
10MHz		1	25	14.80	14.30	14.50	14.18	16.00
		1	49	14.52	14.70	14.38	14.05	16.00
	16QAM	25	0	15.15	14.36	14.86	14.32	16.00
		25	13	15.03	14.31	14.72	14.08	16.00
		25	25	14.64	14.39	14.67	14.19	16.00
		50	0	14.81	14.31	14.71	14.11	16.00
	640084	1	0	14.74	14.23	14.78	14.80	16.00
	64QAM	1	25	15.07	14.80	14.75	14.78	16.00

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		1	49	14.15	14.62	14.73	14.57	16.00
		25	0	15.20	14.71	15.00	14.65	16.00
		25	13	15.17	14.70	14.85	14.66	16.00
		25	25	15.11	14.23	14.53	14.28	16.00
		50	0	15.14	14.27	14.89	14.22	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
Banamati	Moderation	112 0.20	112 011001	40215	40532	40848	41165	•
		1	0	14.52	14.93	14.39	14.69	16.00
		1	38	14.98	14.54	14.52	14.47	16.00
		1	74	14.79	14.59	14.87	14.69	16.00
	QPSK	36	0	15.32	14.61	14.95	14.41	16.00
		36	18	14.88	14.59	14.59	14.38	16.00
		36	39	14.88	14.27	14.67	14.39	16.00
		75	0	14.92	14.26	14.64	14.13	16.00
		1	0	14.48	14.05	14.41	14.88	16.00
		1	38	14.81	14.27	14.69	14.25	16.00
		1	74	14.87	14.82	14.43	14.71	16.00
15MHz	16QAM	36	0	14.84	14.49	14.60	14.41	16.00
		36	18	14.87	14.44	14.67	14.27	16.00
		36	39	14.70	14.45	14.50	14.03	16.00
		75	0	14.82	14.42	14.65	14.06	16.00
		1	0	14.52	14.46	14.65	14.84	16.00
		1	38	15.32	14.78	14.87	14.88	16.00
		1	74	14.83	14.90	14.87	14.98	16.00
	64QAM	36	0	15.25	14.73	15.20	14.36	16.00
		36	18	15.15	14.74	14.66	14.18	16.00
		36	39	14.75	14.72	14.72	14.35	16.00
		75	0	15.12	14.70	14.89	14.44	16.00
				Channel	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	40240	40540	40840	41140	Tune up
		1	0	15.39	14.63	14.98	14.51	16.00
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1	50	15.25	14.63	14.70	14.55	16.00
		1	99	14.85	14.31	14.58	14.15	16.00
	QPSK	50	0	15.22	14.63	14.93	14.54	16.00
		50	25	15.16	14.63	14.68	14.22	16.00
		50	50	15.29	14.27	14.59	14.28	16.00
		100	0	15.08	14.59	14.62	14.19	16.00
		1	0	15.14	14.30	14.37	14.37	16.00
20MHz		1	50	15.17	14.04	14.31	14.29	16.00
		1	99	15.04	14.87	14.46	14.47	16.00
	16QAM	50	0	14.94	14.44	14.50	14.20	16.00
		50	25	14.97	14.50	14.37	14.10	16.00
		50	50	14.94	14.18	14.53	14.15	16.00
		100	0	14.91	14.43	14.53	14.23	16.00
		1	0	15.29	14.43	14.73	14.23	16.00
	64QAM	1	50	15.29	14.14	14.73	14.16	16.00
	UTQAIVI							
		1	99	14.64	14.36	14.25	14.44	16.00

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	50	0	15.35	14.45	15.05	14.35	16.00
	50	25	14.72	14.70	14.77	14.38	16.00
	50	50	14.78	14.76	14.85	14.41	16.00
	100	0	14.85	14.74	14.89	14.33	16.00

LTE Band	d 41 Receiver o on/Hotsp	` •	ıd) +WiFi		Condu	cted Powe	r(dBm)	
5 1 1 11		DD :	DD " '	Channel	Channel	Channel	Channel	_
Bandwidth	Modulation	RB size	RB offset	40165	40515	40865	41215	Tune up
		1	0	11.01	10.49	10.66	10.24	12.00
		1	13	11.02	10.51	10.57	10.26	12.00
		1	24	10.92	10.44	10.46	10.24	12.00
	QPSK	12	0	11.05	10.46	10.56	10.26	12.00
		12	6	11.00	10.40	10.65	10.21	12.00
		12	13	11.04	10.48	10.53	10.25	12.00
		25	0	10.87	10.42	10.56	10.29	12.00
		1	0	11.06	10.58	10.41	10.28	12.00
	-	1	13	11.09	10.48	10.37	10.35	12.00
		1.	24	10.78	10.25	10.20	10.09	12.00
5MHz	16QAM	12	0	10.86	10.33	10.47	10.16	12.00
		12	6	10.85	10.33	10.36	10.10	12.00
		12	13	10.91	10.03	10.40	10.12	12.00
		25	0	10.94	10.05	10.53	10.04	12.00
		1	0	11.28	10.70	10.80	10.64	12.00
		1	13	11.20	10.88	10.51	10.32	12.00
		1	24	11.39	10.17	10.93	10.64	12.00
	64QAM	12	0	11.00	10.35	10.73	10.31	12.00
		12	6	11.38	10.71	10.63	10.27	12.00
		12	13	11.23	10.58	10.60	10.60	12.00
		25	0	11.01	10.62	10.57	10.25	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
		4	0	40190	40523	40857	41190	40.00
		1	0	10.48	10.55	10.09	10.82	12.00
		1	25	10.76	10.46	10.62	10.52	12.00
	ODOK	1	49	10.82	10.66	10.88	10.57	12.00
	QPSK	25	0	11.23	10.43	10.68	10.21	12.00
		25	13	10.75	10.40	10.58	10.25	12.00
		25	25	10.90	10.28	10.59	10.34	12.00
		50	0	10.75	10.27	10.73	10.24	12.00
10MHz		1	0	10.56	10.55	10.02	10.53	12.00
		1	25	11.06	10.27	10.63	10.42	12.00
	400	1	49	10.82	10.76	10.89	10.63	12.00
	16QAM	25	0	10.89	10.37	10.47	10.30	12.00
	4	25	13	10.75	10.27	10.40	10.13	12.00
		25	25	10.72	10.15	10.33	10.28	12.00
		50	0	10.89	10.29	10.55	10.28	12.00
	64QAM	1	0	10.49	10.01	10.23	10.01	12.00

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JUU								
		1	25	10.76	10.73	10.36	10.62	12.00
		1	49	10.05	10.06	10.09	10.11	12.00
		25	0	11.41	10.67	10.65	10.69	12.00
		25	13	10.83	10.60	10.67	10.57	12.00
		25	25	10.53	10.06	10.58	10.02	12.00
		50	0	11.00	10.14	10.56	10.56	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tungun
Balluwium	Modulation	KD SIZE	KD Ollset	40215	40532	40848	41165	Tune up
		1	0	10.44	10.56	10.11	10.89	12.00
		1	38	11.09	10.33	10.74	10.36	12.00
		1	74	10.48	10.43	10.63	10.43	12.00
	QPSK	36	0	11.28	10.27	10.79	10.44	12.00
		36	18	11.04	10.23	10.63	10.32	12.00
		36	39	10.65	10.65	10.63	10.46	12.00
		75	0	11.13	10.30	10.67	10.08	12.00
		1	0	10.45	10.87	10.59	10.08	12.00
		1	38	10.94	10.16	10.74	10.89	12.00
	1	1	74	10.35	10.10	10.68	10.38	12.00
15MHz	16QAM	36	0	11.23	10.28	10.91	10.44	12.00
		36	18	10.66	10.52	10.58	10.31	12.00
		36	39	10.61	10.14	10.54	10.44	12.00
		75	0	10.60	10.48	10.49	10.69	12.00
		1	0	10.83	10.29	10.48	10.57	12.00
		1	38	11.12	10.94	11.00	10.34	12.00
	1	1	74	10.82	10.90	10.61	10.58	12.00
	64QAM	36	0	11.42	10.70	10.87	10.22	12.00
		36	18	10.84	10.68	10.62	10.04	12.00
		36	39	10.79	10.25	10.74	10.57	12.00
		75	0	11.15	10.67	10.69	10.23	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tungun
Danawidin	Modulation	KD SIZE	KD Ollset	40240	40540	40840	41140	Tune up
		1	0	10.63	10.57	10.48	10.10	12.00
		1	50	10.65	10.49	10.59	10.19	12.00
		1	99	10.21	10.11	10.11	10.23	12.00
	QPSK	50	0	11.16	10.39	10.85	10.45	12.00
		50	25	10.95	10.43	10.57	10.37	12.00
100		50	50	10.54	10.48	10.67	10.44	12.00
		100	0	11.07	10.46	10.65	10.43	12.00
20MHz		1	0	10.90	10.08	10.35	10.36	12.00
ZUIVITIZ		1	50	10.49	10.03	10.32	10.20	12.00
		1	99	10.22	10.00	10.04	10.21	12.00
	16QAM	50	0	11.04	10.41	10.74	10.20	12.00
		50	25	10.48	10.33	10.49	10.17	12.00
		5 0	50	10.44	10.52	10.58	10.38	12.00
		50	50	10.11				. —
	*	100	0	11.01	10.52	10.73	10.43	12.00
	64QAM			1				

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1	99	10.02	10.36	10.21	10.22	12.00
50	0	11.30	10.48	11.01	10.74	12.00
50	25	11.09	10.37	10.89	10.27	12.00
50	50	10.62	10.80	10.86	10.25	12.00
100	0	10.72	10.50	10.91	10.63	12.00

LTI	E Band	41 Receiver of on/Hotsp		ne)+WiFi		Condu	cted Powe	er(dBm)	
Bandy	width	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tungun
Danuv	wiatri	Modulation	KD SIZE	KD Ollset	40165	40515	40865	41215	Tune up
1 6			1	0	16.69	16.07	16.20	15.79	17.50
			1	13	16.57	16.10	16.16	15.76	17.50
			1	24	16.62	15.68	16.00	15.70	17.50
	QPSK		12	0	16.59	15.68	16.10	15.78	17.50
			12	6	16.58	15.80	15.98	15.73	17.50
			12	13	16.60	15.89	15.98	15.83	17.50
	5MHz		25	0	16.56	15.76	16.06	15.75	17.50
	5MHz 16		1	0	16.60	15.95	15.99	15.57	17.50
	5MHz 16QAM		1.	13	16.83	16.06	16.12	15.62	17.50
			1	24	16.09	15.60	16.02	15.66	17.50
5MI	Hz	16QAM	12	0	16.51	15.85	16.00	15.71	17.50
			12	6	16.53	15.89	15.86	15.64	17.50
			12	13	16.51	15.77	15.95	15.62	17.50
			25	0	16.53	15.87	15.99	15.70	17.50
			1	0	16.73	16.20	16.25	15.98	17.50
			1	13	16.78	16.04	16.01	16.25	17.50
	64QAM		1	24	16.34	16.05	16.08	16.07	17.50
		64QAM	12	0	16.72	16.12	16.22	16.21	17.50
			12	6	16.56	15.76	16.07	16.06	17.50
			12	13	16.69	16.12	16.01	15.72	17.50
			25	0	16.69	15.74	16.04	16.13	17.50
Domek	! . 4 .	Madulatian	DD -:	DD -#+	Channel	Channel	Channel	Channel	T
Bandy	wiath	Modulation	RB size	RB offset	40190	40523	40857	41190	Tune up
			1	0	15.91	15.66	15.77	16.01	17.50
			1	25	16.52	15.88	16.11	15.74	17.50
	Cal		1	49	16.37	15.92	16.10	16.08	17.50
		QPSK	25	0	16.45	15.75	16.47	15.77	17.50
			25	13	16.38	15.98	16.06	15.74	17.50
			25	25	16.41	16.01	15.96	15.77	17.50
4004			50	0	16.32	15.94	16.11	15.71	17.50
10M	IHZ		1	0	15.66	16.20	15.69	16.12	17.50
	16QAM		1	25	15.80	16.01	15.68	15.64	17.50
			1	49	16.30	15.91	16.16	16.26	17.50
			25	0	16.49	15.91	16.10	15.72	17.50
			25	13	16.40	15.88	16.03	15.63	17.50
			25	25	16.16	15.55	15.98	15.79	17.50
			50	0	16.22	15.54	16.13	15.76	17.50

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		1	0	15.54	15.63	15.90	15.80	17.50
		1	25	16.10	15.92	16.39	15.96	17.50
		1	49	16.22	16.10	15.77	15.91	17.50
	64QAM	25	0	16.98	16.20	16.28	15.76	17.50
		25	13	16.57	15.85	16.18	15.71	17.50
		25	25	16.41	16.02	16.12	15.80	17.50
		50	0	16.59	16.07	16.12	16.12	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
24.141.141.1	Wio dalation	112 0.20	112 011001	40215	40532	40848	41165	·
FPOL		1	0	15.94	15.95	15.62	15.86	17.50
		1	38	16.46	16.08	16.09	15.75	17.50
		1	74	16.01	16.04	15.70	15.84	17.50
	QPSK	36	0	16.49	15.68	16.54	15.79	17.50
		36	18	16.40	15.95	16.18	15.78	17.50
		36	39	16.29	15.93	16.05	15.83	17.50
		75	0	16.12	15.91	16.20	15.83	17.50
		1	0	15.88	16.29	15.80	16.15	17.50
		1	38	16.24	15.76	15.96	15.75	17.50
		1	74	15.93	16.00	16.27	15.97	17.50
15MHz	16QAM	36	0	16.41	15.81	16.28	15.82	17.50
		36	18	16.22	15.75	15.96	15.67	17.50
		36	39	15.76	15.91	16.13	15.85	17.50
		75	0	16.11	15.77	16.09	15.75	17.50
FFO		1	0	15.60	15.69	15.94	15.83	17.50
		1	38	16.14	15.97	16.46	16.05	17.50
		1	74	16.30	16.12	15.57	15.98	17.50
	64QAM	36	0	16.99	16.29	16.34	15.85	17.50
		36	18	16.60	15.91	16.19	15.74	17.50
		36	39	16.48	16.05	16.17	15.82	17.50
		75	0	16.68	16.13	16.16	16.16	17.50
				Channel	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	40240	40540	40840	41140	Tune up
		1	0	16.20	15.86	16.55	15.57	17.50
		1	50	16.21	16.51	16.62	15.77	17.50
		1	99	16.18	15.83	15.80	15.74	17.50
	QPSK	50	0	16.79	16.50	17.20	16.41	17.50
	QI OIL	50	25	16.14	16.35	16.60	16.27	17.50
		50	50	16.34	16.83	16.44	16.06	17.50
		100	0	16.68	16.40	16.73	16.19	17.50
20MHz		1	0	15.87	15.95	16.93	15.71	17.50
20111112		1	50	15.60	16.76	16.58	16.25	17.50
		1	99	15.57	16.70	15.93	16.14	17.50
	16QAM	50	0	16.66	16.37	17.09	16.06	17.50
	IOQAW							
		50	25 50	16.05	16.30	16.57	15.92	17.50
		50	50	16.17	16.71	16.56	15.95	17.50
	040014	100	0	16.61	16.33	16.84	16.10	17.50
	64QAM	1	0	16.49	16.31	15.87	16.48	17.50

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	1	50	16.60	16.09	16.21	15.62	17.50
	1	99	15.63	15.80	16.20	15.53	17.50
	50	0	16.84	16.23	16.60	16.11	17.50
	50	25	16.33	16.08	16.27	15.69	17.50
	50	50	16.23	16.15	16.28	16.16	17.50
	100	0	16.52	15.91	16.21	16.08	17.50

Table 16: Conducted Power of LTE



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8.1.3 Conducted Power of Downlink and Uplink LTE CA

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

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

The possible downlink and uplink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.101 V13.5.0 (2016-09) The detailed conducted power measurement results of downlink and uplink LTE CA are provided in the SAR report per 3GPP TS 36.521 V13.3.0 (2016-09). According to KDB 941225 D05A, the downlink only carrier aggregation conditions for this device can be excluded from SAR testing and PAG requirements can be excluded.

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No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

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Test Configuration Table (intra-band contiguous DL CA and LL CA)

Initial Conditions	,
Test Environment as specified in TS 36.508[7] subclause 4.1	NC, TL/VL, TL/VH, TH/VL, TH/VH
Test Frequencies as specified in TS 36.508 [7] subclause 4.3.1 for different CA bandwidth classes, and PCC and SCCs are mapped onto physical frequencies according to Table 6.1-2.	C: Mid range
Test CC Combination setting (N_{RB_agg}) as specified in subclause 5.4.2A.1 for the CA Configuration across bandwidth combination sets supported by the UE.	Lowest N _{RB_agg} Highest N _{RB_agg} (Note 2)

Test Parameters for CA Configurations

CA Config	guration / N _{RB_agg}	DL Allocation	CC	UL Alloc	ation				
PCC N _{RB}	SCCs N _{RB}	PCC & SCC RB allocation	C & SCC RB allocation MOD N _{RB_alloc} PCC & SCC RB allocations (L _{CRB} @ RB _{start})						
75	75		QPSK	16	P_16@0	S_0@0	-	-	
100	25	N/A	QPSK	8	P_8@0	S_0@0	-	-	
100	50	for this test	QPSK	12	P_12@0	S_0@0	-	-	
100	100		QPSK	18	P_18@0	S_0@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

Note 2: If in the CA Configuration UE supports multiple CC Combinations with the same N_{RB_agg} , only the first of those is tested, according to the order on the Test Configuration Table list.

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Test Configuration Table (inter-band DL CA and UL CA)

Initial Conditions		
Test Environment as specified in TS 36.508[7] subclause 4.1	NC, TL/VL, TL/VH, TH/VL, TH/VH	
Test Frequencies as specified in TS 36.508 [7] subclause 4.3.1 for different CA bandwidth classes.	A: Mid range PCC-SCC: CC1-CC2	
Test CC Combination setting (N_{RB_agg}) as specified in subclause 5.4.2A.1-2 for the CA Configuration across bandwidth combination sets supported by the UE.	Lowest N _{RB_agg} Highest N _{RB_agg} (Note 2)	

CA Configur	ation / N _{RB agg}	DL Allocation	CC	UL Alloca	ation			
PCC N _{RB}	SCCs N _{RB}	PCC & SCC RB allocation	MOD	N _{RB_alloc}	PCC & SCC R		10	
6	25		QPSK	13	P_5@0	S_8@0	-	-
6	50		QPSK	17	P_5@0	S_12@0	-	-
25	15		QPSK	12	P_8@0	S_5@0	-	-
25	25		QPSK	16	P_8@0	S_8@0	-	-
25	50	N/A for this test	QPSK	20	P_8@0	S_12@0	-	-
50	25		QPSK	20	P_12@0	S_8@0	-	-
50	50		QPSK	24	P_12@0	S_12@0	-	-
50	100		QPSK	30	P_12@0	S_18@0	-	-
75	75		QPSK	32	P_16@0	S_16@0	-	-
100	50		QPSK	30	P_18@0	S_12@0	-	-
100	75		QPSK	34	P_18@0	S_16@0	-	-
100	100		QPSK	36	P_18@0	S_18@0	- \	-

Note 1: CA Configuration Test CC Combination settings are checked separately for each CA Configuration, which applicable aggregated channel bandwidths are specified in Table 5.4.2A.1-2.

Note 2: If in the CA Configuration UE supports multiple CC Combinations with the same N_{RB_agg}, only the first of those is tested, according to the order on the Test Configuration Table list.

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

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8.1.3.1 Conducted Power of Downlink LTE CA:

Downlink LTE CA Conducted Power of Main Antenna

										ad Scene(i ly Scene(S												
DL LTE CA				PCC					S	CC1			S	CC2			S	CC3		P	ower(dBm)	
Class	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA_7C	Band 7	20M	QPSK	2510	20850	1	50	Band 7	20M	2649.8	3048	1	1	- 1	1	- 1	1	- 1	- 1	21.95	21.98	22.60
CA_4A-4A	Band 4	20M	QPSK	1745	20300	1	0	Band 4	20M	2120	2050	- /	1	- 1	- /	- 1	1	- 1	- 1	23.12	23.18	24.00
CA_7A-7A	Band 7	20M	QPSK	2510	20850	1	50	Band 7	20M	2680	3350	1	1	1	1	- 1	1	- 1	- 1	21.93	21.98	22.26
CA_12A-12A	Band 12	5M	QPSK	701.5	23035	1	24	Band 12	5M	743.5	5155	- 1	1	- 1	1	- 1	- /	- 1	- 1	23.62	23.67	24.00
CA_2A-4A	Band 2	20M	QPSK	1900	19100	1	0	Band 4	20M	2132.5	2175	- 1	1	- 1	- 1	- 1	- /	- 1	- 1	23.62	23.65	24.00
CA_2A-4A	Band 4	20M	QPSK	1745	20300	1	0	Band 2	20M	1960	900	- /	1	1	1	- 1	1	- 1	- 1	23.16	23.18	24.00
CA_2A-5A	Band 2	20M	QPSK	1900	19100	1	0	Band 5	10M	881.5	2525	- /	1	I	1	- 1	/	- 1	- 1	23.61	23.65	24.00
CA_2A-5A	Band 5	10M	QPSK	829	20450	1	0	Band 2	20M	1960	900	/	/	1	1	- 1	/	1	1	23.28	23.31	24.00
CA_2A-7A	Band 2	20M	QPSK	1900	19100	1	0	Band 7	20M	2655	3100	- /	- /	- 1	1	- 1	1	- 1	- 1	23.60	23.65	24.00
CA_2A-7A	Band 7	20M	QPSK	2510	20850	1	50	Band 2	20M	1960	900	- 1	/	- 1	1	- 1	/	- 1	- /	21.97	21.98	22.26
CA_2A-12A	Band 2	20M	QPSK	1900	19100	1	0	Band 12	5M	737.5	5095	- /	/	- 1	/	/	/	- 1	- /	23.59	23.65	24.00
CA_2A-12A	Band 12	5M	QPSK	701.5	23035	1	24	Band 2	20M	1960	900	- 1	/	- 1	- /	- 1	1	- 1	- /	23.66	23.67	24.00
CA_4A-5A	Band 4	20M	QPSK	1745	20300	1	0	Band 5	10M	881.5	2525	- 1	/	- 1	1	- 1	/	- 1	- /	23.11	23.18	24.00
CA_4A-5A	Band 5	10M	QPSK	829	20450	1	0	Band 4	20M	2132.5	2175	- /	/	- 1	- /		1	- 1	- /	23.26	23.31	24.00
CA_4A-7A	Band 4	20M	QPSK	1745	20300	1	0	Band 7	20M	2655	3100	- 1	/	- 1	1	- 1	1	- 1	- /	23.17	23.18	24.00
CA_4A-7A	Band 7	20M	QPSK	2510	20850	1	50	Band 4	20M	2132.5	2175	/	/	1	/	/	/	/	/	21.92	21.98	22.60
CA_4A-12A	Band 4	20M	QPSK	1745	20300	1	0	Band 12	5M	737.5	5095	- 1	/	- 1	- /	- 1	1	- 1	- /	23.07	23.18	24.00
CA_5A-7A	Band 5	10M	QPSK	829	20450	1	0	Band 7	20M	2655	3100	/	/	1	/	/	/	1	- /	23.24	23.31	24.00
CA_5A-7A	Band 7	20M	QPSK	2510	20850	1	50	Band 5	10M	881.5	2525		<u>'</u>	1	/		<u>'</u>	- /		21.92	21.98	22.60
CA_7A-12A	Band 7	20M	QPSK	2510	20850	1	50	Band 12	5M	737.5 2655	5095	1	<u> </u>	1	1	1	<u>'</u>	1	1	21.90	21.98	22.60
CA_7A-12A	Band 12	5M	QPSK	701.5	23035	1	24	Band 7	20M		3100 5130	J	-/	733.8	7	- /	- /-	- /	- /	23.55 23.55	23.67	24.00
CA_2A-12B	Band 2	20M 20M	QPSK QPSK	1900 1745	19100 20300	1	0	Band 12	10M 10M	741 741	5130	Band 12	5M 5M	733.8	5058 5058	- 1	<u>'</u>	- 1	1	23.55	23.65 23.18	24.00
CA_4A-12B CA_2A-4A-4A	Band 4 Band 2	20M	QPSK	1900	19100	1	0	Band 12 Band 4	20M	2120	2050	Band 12 Band 4	20M	2145	2300	- 1	<u>'</u>	- '-	- ',	23.61	23.65	24.00
CA_2A-4A-4A CA_2A-4A-4A	Band 4	20M	QPSK	1745	20300	1	0	Band 4	20M	2120	2050	Band 2	20M	1960	900	- /	'	- 1	- /	23.01	23.00	24.00
CA_2A-4A-4A CA_4A-7A-7A	Band 4	20M	QPSK	1745	20300	+	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	1	 ', 	1	',	23.11	23.18	24.00
CA_4A-7A-7A	Band 7	20M	QPSK	2510	20850	+	50	Band 7	20M	2680	3350	Band 4	20M	2132.5	2175	1	'	1	- '	21.90	21.98	22.26
CA_4A-7A-7A CA_2A-4A-5A	Band 2	20M	QPSK	1900	19100	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	- 1	'	1	',	23.55	23.65	24.00
CA_2A-4A-5A	Band 4	20M	QPSK	1745	20300	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	- 1	'	',	- '-	23.06	23.18	24.00
CA_2A-4A-5A	Band 5	10M	QPSK	829	20450	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- 1	 ', 	<u>'</u>	- '-	23.22	23.31	24.00
CA 2A-4A-7A	Band 2	20M	QPSK	1900	19100	i i	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	- 1	 ', 	1	- 1	23.64	23.65	24.00
CA 2A-4A-7A	Band 4	20M	QPSK	1745	20300	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	1	1	1	- 1	23.10	23.18	24.00
CA 2A-4A-7A	Band 7	20M	QPSK	2510	20850	1	50	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	1	' '	1	1	21.97	21.98	22.60
CA 2A-4A-12A	Band 2	20M	QPSK	1900	19100	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- 1	'	,	<i>i</i>	23.55	23.65	24.00
CA 2A-4A-12A	Band 4	20M	QPSK	1745	20300	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	1	'	1	1	23.06	23.18	24.00
CA 2A-7A-12A	Band 2	20M	QPSK	1900	19100	1	0	Band 7	20M	2655	3100	Band 12	5M	737.5	5095	- 1	'	i	1	23.54	23.65	24.00
CA 2A-7A-12A	Band 7	20M	QPSK	2510	20850	1	50	Band 2	20M	1960	900	Band 12		737.5	5095	1	- 	i	i	21.94	21.98	22.60
CA 2A-7A-12A	Band 12	5M	QPSK	701.5	23035	1	24	Band 2	20M	1960	900	Band 7	20M	2655	3100	1	l i	1	1	23.66	23.67	24.00
CA 4A-7A-12A	Band 4	20M	QPSK	1745	20300	1	0	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	1	1	1	1	23.08	23.18	24.00
CA 4A-7A-12A	Band 7	20M	QPSK	2510	20850	1	50	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	1	1	1	1	21.87	21.98	22.60
CA 2A-4A-7A-12A	Band 2	20M	QPSK	1900	19100	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	23.62	23.65	24.00
CA 2A-4A-7A-12A	Band 4	20M	QPSK	1745	20300	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	23.11	23.18	24.00
CA 2A-4A-7A-12A	Band 7	20M	QPSK	2510	20850	1	50	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	21.95	21.98	22.60
CA 2A-4A-7A-12A	Band 12	5M	QPSK	701.5	23035	1	24	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	23.61	23.67	24.00



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

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										y Scene(0n	ım SAR sı	ensor on L										
DL LTE CA		-		PCC						CC1				CC2				CC3			ower(dBm)	
Class	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	Tx.Power	Tune-
CA 7C	Band 7	20M	QPSK	2560	21350	50	0	Band 7	20M	3152	2660.2	Dallu /	(IVITZ)	(MHZ)	/	Dallu /	(IVITZ)	(WITZ)	/	19.26	19.31	19.6
CA 4A-4A	Band 4	20M	16QAM	1720	20050	1	99	Band 4	20M	2145	2300	1	'	- '-	- 1	1		- 	1	21.18	21.21	22.0
CA 7A-7A	Band 7	20M	QPSK	2560	21350	50	0	Band 7	20M	2645	3000	'	'	- '1	'	- '1	'	- 'i -	- '1	19.30	19.31	19.
CA 2A-4A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	1	' '	1	1	1	1	'	1	20.95	20.97	21.
CA 2A-4A	Band 4	20M	16QAM	1720	20050	1	99	Band 2	20M	1960	900	- 1	- 	i	i	- 1	1	- i -	- 1	21.19	21.21	22
CA 2A-5A	Band 2	20M	16QAM	1860	18700	1	99	Band 5	10M	881.5	2525	1	1	1	1	1	1	1	i	20.91	20.97	21.
CA 2A-7A	Band 2	20M	16QAM	1860	18700	1	99	Band 7	20M	2655	3100	1	1	1	1	1	1	Ī	1	20.96	20.97	21.
CA 2A-7A	Band 7	20M	QPSK	2560	21350	50	0	Band 2	20M	1960	900	1	1	1	1	1	1	1	1	19.25	19.31	19.
CA 2A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 12	5M	737.5	5095	- /	1	- 1	1	- 1	1	1	- 1	20.93	20.97	21.
CA_4A-5A	Band 4	20M	16QAM	1720	20050	1	99	Band 5	10M	881.5	2525	- 1	1	- 1	- 1	- 1	- /	- 1	- 1	21.20	21.21	22
CA_4A-7A	Band 4	20M	16QAM	1720	20050	1	99	Band 7	20M	2655	3100	- 1	- /	- 1	- 1	- 1	- /	1	- 1	21.16	21.21	22
CA_4A-7A	Band 7	20M	QPSK	2560	21350	50	0	Band 4	20M	2132.5	2175	- 1	- /	- 1	- 1	- 1	- /	- 1	- 1	19.23	19.31	19
CA_4A-12A	Band 4	20M	16QAM	1720	20050	1	99	Band 12	5M	737.5	5095	- 1	- /	- 1	- 1	- 1	- /	1	- 1	21.15	21.21	22
CA_5A-7A	Band 7	20M	QPSK	2560	21350	50	0	Band 5	10M	881.5	2525	- 1	- /	- 1	- 1	- 1	- /	1	- 1	19.20	19.31	19
CA_7A-12A	Band 7	20M	QPSK	2560	21350	50	0	Band 12	5M	737.5	5095	- 1	- /	- 1	- 1	- 1	- /	1	- 1	19.29	19.31	19
CA_2A-12B	Band 2	20M	16QAM	1860	18700	1	99	Band 12	10M	741	5130	Band 12	5M	733.8	5058	- 1	- /	1	- 1	20.88	20.97	21
CA_4A-12B	Band 4	20M	16QAM	1720	20050	1	99	Band 12		741	5130	Band 12	5M	733.8	5058	- 1	1	- 1	- 1	21.11	21.21	22
CA_2A-4A-4A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2120	2050	Band 4	20M	2145	2300	- 1	- /	1	- 1	20.88	20.97	21
CA_2A-4A-4A	Band 4	20M	16QAM	1720	20050	1	99	Band 4	20M	2145	2300	Band 2	20M	1960	900	- /	1	- 1	- 1	21.13	21.21	22
CA_4A-7A-7A	Band 4	20M	16QAM	1720	20050	1	99	Band 7	20M	2630	2850	Band 7	20M	2680	3350	1	- /	1	1	21.14	21.21	22
CA_4A-7A-7A	Band 7	20M	QPSK	2560	21350	50	0	Band 7	20M	2645	3000	Band 4	20M	2132.5	2175	- 1	- /	1	- 1	19.20	19.31	19
CA_2A-4A-5A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	- 1	1	- 1	- 1	20.89	20.97	21
CA_2A-4A-5A	Band 4	20M	16QAM	1720	20050	1	99	Band 2	20M	1960	900	Band 5	10M	881.5	2525	-	1	I	-	21.20	21.21	22
CA_2A-4A-7A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	- 1	1	- 1	- /	20.83	20.97	21
CA_2A-4A-7A	Band 4	20M	16QAM	1720	20050	1	99	Band 2	20M	1960	900	Band 7	20M	2655	3100		1	I	-	21.18	21.21	22
CA_2A-4A-7A	Band 7	20M	QPSK	2560	21350	50	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- 1	- /	1	- 1	19.30	19.31	19
CA_2A-4A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- 1	1	1	- 1	20.83	20.97	21
CA_2A-4A-12A	Band 4	20M	16QAM	1720	20050	1	99	Band 2	20M	1960	900	Band 12	10M	737.5	5095	- 1	- /	1	- 1	21.09	21.21	22
CA_2A-7A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 7	20M	2655	3100	Band 12	5M	737.5	5095	1	1	1	1	20.83	20.97	21
CA_2A-7A-12A	Band 7	20M	QPSK	2560	21350	50	0	Band 2	20M	1960	900	Band 12	5M	737.5	5095	- 1	1	I	1	19.22	19.31	19
CA_4A-7A-12A	Band 4	20M	16QAM	1720	20050	1	99	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	/	1	I	1	21.11	21.21	22
CA_4A-7A-12A	Band 7	20M	QPSK	2560	21350	50	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- 1	1	I	1	19.20	19.31	19
A_2A-4A-7A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	20.89	20.97	21
A_2A-4A-7A-12A	Band 4	20M	16QAM	1720	20050	1	99	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	21.19	21.21	22
A_2A-4A-7A-12A	Band 7	20M	QPSK	2560	21350	50	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	19.22	19.31	19.

					•				. E	ody Scene	SAR sens	or on Leve	ID1)									
DI LITE OA				PCC					S	CC1			S	CC2			S	CC3		P	ower(dBm)	
DL LTE CA Class	LTE	BW		UL Freq.	UL	UL#	UL RB	LTE	BW	DL Freq.	DL	LTE	BW	DL Freq.	DL	LTE	BW	DL Freq.	DL	DL LTE CA	LTE Rel 8	T
Class	Band	(MHz)	Modulation	(MHz)	Channel	RB	Offset	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Tx.Power	Tx.Power	Tune-up
CA 7C	Band 7	20M	16QAM	2510	20850	1	50	Band 7	20M	2649.8	3048	1	1	1	1	- 1	1	1	1	21.01	21.05	21.60
CA_4A-4A	Band 4	20M	16QAM	1720	20050	1	99	Band 4	20M	2145	2300	- 1	- /	1	1	- /	- /	1	1	21.18	21.21	22.00
CA_7A-7A	Band 7	20M	16QAM	2510	20850	1	50	Band 7	20M	2680	3350	1	1	- 1	- 1	- 1	- /	- 1	- 1	20.99	21.05	21.60
CA_2A-4A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	- 1	1	- 1	1	- 1	- /	- 1	1	20.95	20.97	21.50
CA_2A-4A	Band 4	20M	16QAM	1720	20050	1	99	Band 2	20M	1960	900	- 1	- /	- 1	1	- 1	- /	- 1	- 1	21.19	21.21	22.00
CA_2A-5A	Band 2	20M	16QAM	1860	18700	1	99	Band 5	10M	881.5	2525	-	- /	- 1	- 1	_	- /	- 1	_	20.91	20.97	21.50
CA_2A-7A	Band 2	20M	16QAM	1860	18700	1	99	Band 7	20M	2655	3100	- 1	- /	- 1	- 1	- 1	- /	- 1	1	20.96	20.97	21.50
CA_2A-7A	Band 7	20M	16QAM	2510	20850	1	50	Band 2	20M	1960	900	- 1	1	- 1	1	- 1	- 1	- 1	1	21.04	21.05	21.60
CA_2A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 12	5M	737.5	5095	- 1	- /	- 1	1	- 1	- /	- 1	1	20.93	20.97	21.50
CA_4A-5A	Band 4	20M	16QAM	1720	20050	1	99	Band 5	10M	881.5	2525	- 1	- /	- 1	1	- 1	- /	- 1	- 1	21.20	21.21	22.00
CA_4A-7A	Band 4	20M	16QAM	1720	20050	1	99	Band 7	20M	2655	3100	- 1	/	- 1	1	- 1	- /	- 1	1	21.16	21.21	22.00
CA_4A-7A	Band 7	20M	16QAM	2510	20850	1	50	Band 4	20M	2132.5	2175	- 1	- /	- /	- /	- 1	- /	- 1	1	21.00	21.05	21.60
CA_4A-12A	Band 4	20M	16QAM	1720	20050	1	99	Band 12	5M	737.5	5095	- 1	- /	- /	- /	- 1	- /	- 1	1	21.15	21.21	22.00
CA_5A-7A	Band 7	20M	16QAM	2510	20850	1	50	Band 5	10M	881.5	2525		/		/		/		1	20.98	21.05	21.60
CA_7A-12A	Band 7	20M	16QAM	2510	20850	1	50	Band 12	5M	737.5	5095	7	/	700.0		- !	1		1	21.03	21.05	21.60
CA_2A-12B	Band 2	20M	16QAM	1860	18700	1	99	Band 12		741	5130	Band 12	5M	733.8	5058 5058	- 1	1		1	20.88	20.97	21.50
CA_4A-12B	Band 4	20M	16QAM	1720	20050	1	99	Band 12	10M	741	5130	Band 12	5M	733.8		- /	1	- /	1	21.11	21.21	22.00
CA_2A-4A-4A	Band 2	20M 20M	16QAM 16QAM	1860 1720	18700 20050	1	99	Band 4	20M 20M	2120 2145	2050	Band 4 Band 2	20M 20M	2145 1960	2300 900	- 1	1	- /	1	20.85 21.09	20.97 21.21	21.50 22.00
CA_2A-4A-4A CA_4A-7A-7A	Band 4 Band 4	20M	16QAM	1720	20050	1	99	Band 4 Band 7	20M	2630	2850	Band 7	20M	2680	3350	- '-	'	1	- '	21.09	21.21	22.00
CA_4A-7A-7A	Band 7	20M	16QAM	2510	20850	1	50	Band 7	20M	2680	3350	Band 4	20M	2132.5	2175	- 1	'	'	'	20.96	21.21	21.60
CA_4A-7A-7A CA_2A-4A-5A	Band 2	20M	16QAM	1860	18700	+	99	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	- '	'	'	'	20.85	20.97	21.50
CA_2A-4A-5A	Band 4	20M	16QAM	1720	20050	1	99	Band 2	20M	1960	900	Band 5	10M	881.5	2525	- '1	1	'	',	21.21	21.21	22.00
CA 2A-4A-7A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	1	1	1	1	20.93	20.97	21.50
CA 2A-4A-7A	Band 4	20M	16QAM	1720	20050	1	99	Band 2	20M	1960	900	Band 7	20M	2655	3100	- 1	1	i	1	21.14	21.21	22.00
CA 2A-4A-7A	Band 7	20M	16QAM	2510	20850	1	50	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	i	1	i	i	20.96	21.05	21.60
CA 2A-4A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	i	1	1	i	20.83	20.97	21.50
CA_2A-4A-12A	Band 4	20M	16QAM	1720	20050	1	99	Band 2	20M	1960	900	Band 12	10M	737.5	5095	1	1	1	1	21.07	21.21	22.00
CA 2A-7A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 7	20M	2655	3100	Band 12	5M	737.5	5095	1	1	1	1	20.84	20.97	21.50
CA 2A-7A-12A	Band 7	20M	16QAM	2510	20850	1	50	Band 2	20M	1960	900	Band 12	5M	737.5	5095	- 1	- /	- 1	1	21.00	21.05	21.60
CA_4A-7A-12A	Band 4	20M	16QAM	1720	20050	1	99	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	- 1	1	- 1	- 1	21.13	21.21	22.00
CA_4A-7A-12A	Band 7	20M	16QAM	2510	20850	1	50	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- 1	- /	- 1	1	20.89	21.05	21.60
CA_2A-4A-7A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	20.91	20.97	21.50
CA_2A-4A-7A-12A	Band 4	20M	16QAM	1720	20050	1	99	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	21.15	21.21	22.00
CA_2A-4A-7A-12A	Band 7	20M	16QAM	2510	20850	1	50	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	20.95	21.05	21.60

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				PCC						/ifi Hotspot CC1	on(10mm	SAR sens		CC2				CC3			(-ID)	
DL LTE CA	LTE	DIA		UL Freg.	UL	UL#	UL RB	LTE			DL	LTE	BW	DL Freq.	DL	LTE	BW	DL Freg.	DL	DL LTE CA	ower(dBm)	
Class	Band	BW (MHz)	Modulation	(MHz)	Channel	RB	Offset	Band	BW (MHz)	DL Freq. (MHz)	Channel	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Tx.Power	Tx.Power	Tune
CA_7C	Band 7	20M	QPSK	2510	20850	50	50	Band 7	20M	2649.8	3048	- 1	- /	- 1	- 1	- 1	- /	- 1	1	17.92	17.98	18.
CA_4A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 4	20M	2120	2050	- 1	- /	- 1	- 1	- 1	- /	- 1	- 1	17.92	17.95	18.
CA_7A-7A	Band 7	20M	QPSK	2510	20850	50	50	Band 7	20M	2680	3350	- 1	1	- 1	- 1	- 1	1	- 1	1	17.96	17.98	18
CA_2A-4A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	- 1	- /	- 1	- 1	- /	1	- 1	- 1	18.81	18.85	19
CA_2A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	- 1	- 1	- 1	1	1	1	- 1	1	17.93	17.95	18
CA_2A-5A	Band 2	20M	16QAM	1860	18700	1	0	Band 5	10M	881.5	2525	- 1	1	- 1	- 1	- 1	1	1	1	18.82	18.85	19
CA_2A-7A	Band 2	20M	16QAM	1860	18700	1	0	Band 7	20M	2655	3100	- 1	- /	- 1	1	- 1	1	-	1	18.84	18.85	19
CA_2A-7A	Band 7	20M	QPSK	2510	20850	50	50	Band 2	20M	1960	900	- 1	- /	- 1	1	1	- /	- 1	1	17.97	17.98	18
CA_2A-12A	Band 2	20M	16QAM	1860	18700	1	0	Band 12	5M	737.5	5095	- 1	- /	- 1	1	- 1	1	- 1	- 1	18.79	18.85	19
CA_4A-5A	Band 4	20M	16QAM	1745	20300	1	0	Band 5	10M	881.5	2525	_	1	_	1	- 1	1	_	1	17.90	17.95	18
CA_4A-7A	Band 4	20M	16QAM	1745	20300	1	0	Band 7	20M	2655	3100	- 1	- /	- 1	1	1	- /	- 1	1	17.88	17.95	18
CA_4A-7A	Band 7	20M	QPSK	2510	20850	50	50	Band 4	20M	2132.5	2175	_	1	-	1	- 1	1	_	1	17.95	17.98	18
CA_4A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 12	5M	737.5	5095	- 1	- /	- 1	1	- 1	- /	- 1	1	17.94	17.95	18
CA_5A-7A	Band 7	20M	QPSK	2510	20850	50	50	Band 5	10M	881.5	2525	- 1	- 1	- 1	- 1	- 1	- 1	/	1	17.89	17.98	18
CA_7A-12A	Band 7	20M	QPSK	2510	20850	50	50	Band 12	5M	737.5	5095	-	- /	- 1	1	- 1	- /	-	- 1	17.87	17.98	1
CA_2A-12B	Band 2	20M	16QAM	1860	18700	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	- 1	- /	/	1	18.77	18.85	19
CA_4A-12B	Band 4	20M	16QAM	1745	20300	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	- 1	- /	- 1	1	17.84	17.95	18
CA_2A-4A-4A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2145	2300	Band 4	20M	2120	2050	1	- /	/	1	18.77	18.85	19
CA_2A-4A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 4	20M	2120	2050	Band 2	20M	1960	900	- 1	- 1	- 1	1	17.86	17.95	18
CA_4A-7A-7A	Band 4	20M	16QAM	1745	20300	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	- 1	- /	- 1	1	17.81	17.95	18
CA_4A-7A-7A	Band 7	20M	QPSK	2510	20850	50	50	Band 7	20M	2680	3350	Band 4	20M	2132.5	2175	- 1	- 1	- 1	1	17.90	17.98	18
CA_2A-4A-5A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	- 1	- /	- 1	- 1	18.84	18.85	19
CA_2A-4A-5A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	- 1	- 1	- 1	1	17.94	17.95	18
CA_2A-4A-7A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	- 1	- /	- 1	1	18.81	18.85	19
CA_2A-4A-7A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	1	- /	/	1	17.92	17.95	18
CA_2A-4A-7A	Band 7	20M	QPSK	2510	20850	50	50	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- 1	- /	- 1	1	17.93	17.98	18
CA_2A-4A-12A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- /	- /	- /	1	18.77	18.85	19
CA_2A-4A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 12		737.5	5095	1	- /	- 1	1	17.83	17.95	18
CA_2A-7A-12A	Band 2	20M	16QAM	1860	18700	1	0	Band 7	20M	2655	3100	Band 12	5M	737.5	5095	- /	- /	/	1	18.84	18.85	19
CA_2A-7A-12A	Band 7	20M	QPSK	2510	20850	50	50	Band 2	20M	1960	900	Band 12	5M	737.5	5095	- 1	1	- 1	1	17.85	17.98	18
CA_4A-7A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	- /	- /	- /	1	17.86	17.95	18
CA_4A-7A-12A	Band 7	20M	QPSK	2510	20850	50	50	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- 1	- /	- 1	1	17.92	17.98	18
A_2A-4A-7A-12A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	18.77	18.85	19
A_2A-4A-7A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	17.93	17.95	18
A_2A-4A-7A-12A	Band 7	20M	QPSK	2510	20850	50	50	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	17.83	17.98	18

										Rsensoro	n level D0	+Wifi Hot										
DL LTE CA				PCC					S	CC1			S	CC2			S	CC3		P	ower(dBm)	
Class	LTE	BW	Modulation	UL Freq.	UL	UL#		LTE	BW	DL Freq.	DL	LTE	BW	DL Freq.	DL	LTE	BW	DL Freq.	DL	DL LTE CA		Tune-u
Oldoo	Band	(MHz))	(MHZ)	Channel	RB	Offset	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Tx.Power	Tx.Power	
CA_7C	Band 7	20M	QPSK	2510	20850	50	0	Band 7	20M	2649.8	3048	1	- 1	1	1	1	1	1	1	15.48	15.52	15.6
CA_4A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 4	20M	2120	2050	- 1	- /	1	- 1	1	- /	1	1	16.19	16.21	16.5
CA_7A-7A	Band 7	20M	QPSK	2510	20850	50	0	Band 7	20M	2680	3350	1	- 1	1	1	1	1	1	1	15.49	15.52	15.6
CA_2A-4A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	- 1	- /	- 1	- 1	- 1	1	- 1	- 1	15.92	15.94	16.5
CA_2A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	1	- /	1	1	- 1	1	- 1	- 1	16.20	16.21	16.5
CA_2A-5A	Band 2	20M	16QAM	1860	18700	1	99	Band 5	10M	881.5	2525	- 1	- /	- 1	- 1	- 1	1	- 1	- 1	15.90	15.94	16.5
CA_2A-7A	Band 2	20M	16QAM	1860	18700	1	99	Band 7	20M	2655	3100	- 1	- /	- 1	1	- 1	1	- 1	1	15.93	15.94	16.5
CA_2A-7A	Band 7	20M	QPSK	2510	20850	50	0	Band 2	20M	1960	900	1	- /	1	- 1	1	- /	1	1	15.49	15.52	15.6
CA_2A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 12	5M	737.5	5095	1	- /	- 1	- 1	- 1	1	- 1	- 1	15.89	15.94	16.5
CA_4A-5A	Band 4	20M	16QAM	1745	20300	1	0	Band 5	10M	881.5	2525	1	- /	1	1	- 1	1	- 1	- 1	16.15	16.21	16.5
CA_4A-7A	Band 4	20M	16QAM	1745	20300	1	0	Band 7	20M	2655	3100	1	- /	1	- 1	1	- /	1	1	16.18	16.21	16.5
CA_4A-7A	Band 7	20M	QPSK	2510	20850	50	0	Band 4	20M	2132.5	2175	- 1	- /	- 1	1	- 1	1	- 1	1	15.46	15.52	15.0
CA_4A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 12	5M	737.5	5095	- 1	- /	1	- 1	- 1	- /	- 1	- 1	16.13	16.21	16.
CA_5A-7A	Band 7	20M	QPSK	2510	20850	50	0	Band 5	10M	881.5	2525	- 1	- /	1	1	1	- /	1	1	15.42	15.52	15.0
CA_7A-12A	Band 7	20M	QPSK	2510	20850	50	0	Band 12	5M	737.5	5095	1	- /	1	1	- 1	1	- 1	1	15.48	15.52	15.0
CA_2A-12B	Band 2	20M	16QAM	1860	18700	1	99	Band 12		741	5130	Band 12	5M	733.8	5058	- 1	- /	1	1	15.83	15.94	16.
CA_4A-12B	Band 4	20M	16QAM	1745	20300	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	1	- /	1	1	16.10	16.21	16.
CA_2A-4A-4A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2145	2300	Band 4	20M	2120	2050	- 1	- /	- 1	- 1	15.83	15.94	16.
CA_2A-4A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 4	20M	2120	2050	Band 2	20M	1960	900	- 1	- /	1	1	16.09	16.21	16.
CA_4A-7A-7A	Band 4	20M	16QAM	1745	20300	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	1	- /	1	1	16.14	16.21	16.
CA_4A-7A-7A	Band 7	20M	QPSK	2510	20850	50	0	Band 7	20M	2680	3350	Band 4	20M	2132.5	2175	1	- /	1	1	15.44	15.52	15.6
CA_2A-4A-5A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	- 1	1	- 1	- 1	15.93	15.94	16.
CA_2A-4A-5A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	1	- /	1	/	16.17	16.21	16.5
CA_2A-4A-7A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	1	- 1	1	1	15.92	15.94	16.
CA_2A-4A-7A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	- 1	- /	- 1	- 1	16.16	16.21	16.
CA_2A-4A-7A	Band 7	20M	QPSK	2510	20850	50	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- 1	- /	- 1	- 1	15.44	15.52	15.0
CA_2A-4A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	1	1	1	1	15.84	15.94	16.
CA_2A-4A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	- 1	- /	- 1	- 1	16.08	16.21	16.
CA_2A-7A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 7	20M	2655	3100	Band 12	5M	737.5	5095	- 1	1	- 1	1	15.83	15.94	16.
CA_2A-7A-12A	Band 7	20M	QPSK	2510	20850	50	0	Band 2	20M	1960	900	Band 12	5M	737.5	5095	1	1	1	1	15.42	15.52	15.
CA_4A-7A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	1	1	- 1	1	16.19	16.21	16.
CA_4A-7A-12A	Band 7	20M	QPSK	2510	20850	50	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	1	1	1	1	15.43	15.52	15.
A_2A-4A-7A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	15.88	15.94	16.
A_2A-4A-7A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	16.11	16.21	16.
A 2A-4A-7A-12A	Band 7	20M	QPSK	2510	20850	50	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	15.45	15.52	15.

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				200						Rsensoro	in Tevel D	1+Wifi Hots		000				000				
DL LTE CA				PCC						CC1				CC2				CC3			ower(dBm)	
Class	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL#	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)		DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-u
CA 7C	Band 7	20M	QPSK	2510	20850	1	50	Band 7	20M	2649.8	3048	/	/	(11112)	/	/	/	(WI 12)	/	17.05	17.11	17.60
CA 4A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 4	20M	2120	2050	'	 ',	'	1	- ' -	'	'	'	16.19	16.21	16.50
CA 7A-7A	Band 7	20M	QPSK	2510	20850	1	50	Band 7	20M	2680	3350	1	'	1	1		1	1	' 1	17.09	17.11	17.60
CA 2A-4A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	1	- 	i	i	- i	1	1	i	15.92	15.94	16.50
CA 2A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	1	- 	i	1	-i	1	1	<u> </u>	16.20	16.21	16.50
CA 2A-5A	Band 2	20M	16QAM	1860	18700	1	99	Band 5	10M	881.5	2525	1	1	1	1	1	1	1	1	15.90	15.94	16.50
CA 2A-7A	Band 2	20M	16QAM	1860	18700	1	99	Band 7	20M	2655	3100	1	1	1	1	1	1	1	1	15.91	15.94	16.50
CA 2A-7A	Band 7	20M	QPSK	2510	20850	1	50	Band 2	20M	1960	900	1	1	1	1	1	- /	1	1	17.08	17.11	17.60
CA 2A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 12	5M	737.5	5095	1	1	- 1	1	- 1	1	- 1	1	15.88	15.94	16.50
CA 4A-5A	Band 4	20M	16QAM	1745	20300	1	0	Band 5	10M	881.5	2525	- 1	1	- 1	- 1	1	- /	- 1	- 1	16.15	16.21	16.50
CA 4A-7A	Band 4	20M	16QAM	1745	20300	1	0	Band 7	20M	2655	3100	- 1	- /	1	- 1	- 1	- /	1	- 1	16.18	16.21	16.50
CA 4A-7A	Band 7	20M	QPSK	2510	20850	1	50	Band 4	20M	2132.5	2175	1	1	- 1	1	1	- /	- 1	1	17.02	17.11	17.60
CA_4A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 12	5M	737.5	5095	- 1	1	- 1	- 1	- 1	- /	- 1	- 1	16.13	16.21	16.50
CA_5A-7A	Band 7	20M	QPSK	2510	20850	1	50	Band 5	10M	881.5	2525	- 1	1	- 1	- 1	- 1	- /	- 1	- 1	17.03	17.11	17.60
CA_7A-12A	Band 7	20M	QPSK	2510	20850	1	50	Band 12	5M	737.5	5095	- 1	1	1	1	1	- /	- 1	- 1	17.01	17.11	17.60
CA_2A-12B	Band 2	20M	16QAM	1860	18700	1	99	Band 12	10M	741	5130	Band 12	5M	733.8	5058	- 1	- /	- 1	- 1	15.80	15.94	16.50
CA_4A-12B	Band 4	20M	16QAM	1745	20300	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	- 1	- /	- 1	- 1	16.10	16.21	16.50
CA_2A-4A-4A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2145	2300	Band 4	20M	2120	2050	- 1	- /	- 1	- 1	15.86	15.94	16.50
CA_2A-4A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 4	20M	2120	2050	Band 2	20M	1960	900	1	- /	- 1	- 1	16.13	16.21	16.50
CA_4A-7A-7A	Band 4	20M	16QAM	1745	20300	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	- 1	- /	1	- 1	16.14	16.21	16.50
CA_4A-7A-7A	Band 7	20M	QPSK	2510	20850	1	50	Band 7	20M	2680	3350	Band 4	20M	2132.5	2175	1	- /	- 1	- 1	17.05	17.11	17.60
CA_2A-4A-5A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	- 1	- /	- 1	- 1	15.93	15.94	16.50
CA_2A-4A-5A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	1	- /	- 1	1	16.17	16.21	16.50
CA_2A-4A-7A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	1	- /	-	- 1	15.93	15.94	16.50
CA_2A-4A-7A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100		- 1	- 1	1	16.19	16.21	16.50
CA_2A-4A-7A	Band 7	20M	QPSK	2510	20850	1	50	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- 1	- /	1	1	17.04	17.11	17.60
CA_2A-4A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- 1	- 1	- 1	- 1	15.85	15.94	16.50
CA_2A-4A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	- 1	- 1	1	1	16.09	16.21	16.50
CA_2A-7A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 7	20M	2655	3100	Band 12	5M	737.5	5095	1	- /	- 1	- 1	15.83	15.94	16.50
CA_2A-7A-12A	Band 7	20M	QPSK	2510	20850	1	50	Band 2	20M	1960	900	Band 12	5M	737.5	5095	- 1	- 1	- 1	1	17.10	17.11	17.60
CA_4A-7A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	1	- /	- 1	1	16.17	16.21	16.50
CA_4A-7A-12A	Band 7	20M	QPSK	2510	20850	1	50	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- 1	1	- 1	- 1	17.00	17.11	17.60
CA_2A-4A-7A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	15.86	15.94	16.50
A_2A-4A-7A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	16.15	16.21	16.50
CA_2A-4A-7A-12A	Band 7	20M	QPSK	2510	20850	1	50	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	17.01	17.11	17.60



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

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Downlink LTE CA Conducted Power of Second Antenna

										Rec	eiver on(Le	eft head)										
DL LTE CA				PCC						CC1				CC2				CC3			ower(dBm)	
Class	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA 7C	Band 7	20M	16QAM	2560	21350	1	50	Band 7	20M	3152	2660.2	- 1	1	1	- /	- 1	1	1	- /	14.89	14.97	15.10
CA_4A-4A	Band 4	20M	16QAM	1745	20300	1	50	Band 4	20M	2120	2050	- 1	1	- 1	- 1	- 1	1	- 1	- /	20.85	20.86	21.00
CA 7A-7A	Band 7	20M	16QAM	2560	21350	1	50	Band 7	20M	2645	3000	- 1	1	- 1	- 1	- 1	- /	1	- 1	14.85	14.97	15.10
CA_12A-12A	Band 12	5M	16QAM	713.5	23155	1	24	Band 12	5M	731.5	5035	- 1	1	- 1	- 1	- 1	- /	- 1	- /	22.26	22.29	22.40
CA 2A-4A	Band 2	20M	16QAM	1900	19100	1	0	Band 4	20M	2132.5	2175	- 1	1	- /	- 1	- /	- /	1	1	19.36	19.38	19.50
CA_2A-4A	Band 4	20M	16QAM	1745	20300	1	50	Band 2	20M	1960	900	- 1	1	- 1	- 1	- 1	- /	1	- /	20.83	20.86	21.00
CA_2A-5A	Band 2	20M	16QAM	1900	19100	1	0	Band 5	10M	881.5	2525	- 1	1	- /	- /	- 1	- /	- 1	- /	19.35	19.38	19.50
CA_2A-5A	Band 5	10M	16QAM	844	20600	1	0	Band 2	20M	1960	900	- 1	1	- 1	- 1	- 1	- /	- 1	- 1	21.58	21.60	22.00
CA_2A-7A	Band 2	20M	16QAM	1900	19100	1	0	Band 7	20M	2655	3100	- 1	1	- /	- /	- /	- /	1	1	19.36	19.38	19.50
CA_2A-7A	Band 7	20M	16QAM	2560	21350	1	50	Band 2	20M	1960	900	- 1	1	- 1	- 1	- 1	- /	- 1	- 1	14.91	14.97	15.10
CA_2A-12A	Band 2	20M	16QAM	1900	19100	1	0	Band 12	5M	737.5	5095	- 1	1	- 1	- 1	- 1	- /	- 1	- 1	19.31	19.38	19.50
CA_2A-12A	Band 12	5M	16QAM	713.5	23155	1	24	Band 2	20M	1960	900	- 1	- /	- /	- /	- 1	- /	- 1	1	22.22	22.29	22.40
CA_4A-5A	Band 4	20M	16QAM	1745	20300	1	50	Band 5	10M	881.5	2525	- 1	1	- 1	- 1	- 1	- /	- 1	- 1	20.79	20.86	21.00
CA_4A-5A	Band 5	10M	16QAM	844	20600	1	0	Band 4	20M	2132.5	2175	- 1	- /	- /	- /	- /	- /	- 1	1	21.55	21.60	22.00
CA_4A-7A	Band 4	20M	16QAM	1745	20300	1	50	Band 7	20M	2655	3100	- 1	1	- 1	- 1	- 1	- /	- 1	- 1	20.85	20.86	21.00
CA_4A-7A	Band 7	20M	16QAM	2560	21350	1	50	Band 4	20M	2132.5	2175	- 1	1	- 1	- 1	- 1	- /	- 1	- 1	14.88	14.97	15.10
CA_4A-12A	Band 4	20M	16QAM	1745	20300	1	50	Band 12	5M	737.5	5095	- 1	1	- 1	- 1	- 1	- /	- 1	- 1	20.82	20.86	21.00
CA_5A-7A	Band 5	10M	16QAM	844	20600	1	0	Band 7	20M	2655	3100	- 1	1	- 1	- 1	- 1	- /	- 1	- 1	21.50	21.60	22.00
CA_5A-7A	Band 7	20M	16QAM	2560	21350	1	50	Band 5	10M	881.5	2525	- 1	- /	- /	- /	- 1	- /	- 1	1	14.87	14.97	15.10
CA_7A-12A	Band 7	20M	16QAM	2560	21350	1	50	Band 12	5M	737.5	5095	- 1	1	1	- 1	- 1	- /	1	1	14.92	14.97	15.10
CA_7A-12A	Band 12	5M	16QAM	713.5	23155	1	24	Band 7	20M	2655	3100	- 1	1	- 1	- 1	- 1	- /	- 1	- 1	22.19	22.29	22.40
CA_2A-12B	Band 2	20M	16QAM	1900	19100	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	- 1	- /	1	- 1	19.30	19.38	19.50
CA_4A-12B	Band 4	20M	16QAM	1745	20300	1	50	Band 12	10M	741	5130	Band 12	5M	733.8	5058	- 1	1	- 1	- 1	20.80	20.86	21.00
CA_2A-4A-4A	Band 2	20M	16QAM	1900	19100	1	0	Band 4	20M	2145	2300	Band 4	20M	2120	2050	- 1	1	- 1	- 1	19.36	19.38	19.50
CA_2A-4A-4A	Band 4	20M	16QAM	1745	20300	1	50	Band 4	20M	2120	2050	Band 2	20M	1960	900	- 1	1	- 1	- 1	20.87	20.86	21.00
CA_4A-7A-7A	Band 4	20M	16QAM	1745	20300	1	50	Band 7	20M	2630	2850	Band 7	20M	2680	3350	- 1	1	- 1	- 1	20.80	20.86	21.00
CA_4A-7A-7A	Band 7	20M	16QAM	2560	21350	1	50	Band 7	20M	2645	3000	Band 4	20M	2132.5	2175	-	1	-	- 1	14.86	14.97	15.10
CA_2A-4A-5A	Band 2	20M	16QAM	1900	19100	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	- 1	- 1	- 1	- 1	19.30	19.38	19.50
CA_2A-4A-5A	Band 4	20M	16QAM	1745	20300	1	50	Band 2	20M	1960	900	Band 5	10M	881.5	2525	- 1	- 1	- 1	- 1	20.77	20.86	21.00
CA_2A-4A-5A	Band 5	10M	16QAM	844	20600	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- 1	1	- 1	- 1	21.53	21.60	22.00
CA_2A-4A-7A	Band 2	20M	16QAM	1900	19100	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	- 1	- /	- 1	- 1	19.27	19.38	19.50
CA_2A-4A-7A	Band 4	20M	16QAM	1745	20300	1	50	Band 2	20M	1960	900	Band 7	20M	2655	3100	- /	1	1	1	20.77	20.86	21.00
CA_2A-4A-7A	Band 7	20M	16QAM	2560	21350	1	50	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- 1	- /	- 1	- 1	14.86	14.97	15.10
CA_2A-4A-12A	Band 2	20M	16QAM	1900	19100	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- /	1	- 1	1	13.27	19.38	19.50
CA_2A-4A-12A	Band 4	20M	16QAM	1745	20300	1	50	Band 2	20M	1960	900	Band 12	10M	737.5	5095	- /	/	- 1	- /	20.77	20.86	21.00
CA_2A-7A-12A	Band 2	20M	16QAM	1900	19100	1	0	Band 7	20M	2655	3100	Band 12	5M	737.5	5095	- 1	- /	- 1	- 1	19.31	19.38	19.50
CA_2A-7A-12A	Band 7	20M	16QAM	2560	21350	1	50	Band 2	20M	1960	900	Band 12	5M	737.5	5095	- 1	/	- 1	- /	14.88	14.97	15.10
CA_2A-7A-12A	Band 12	5M	16QAM	713.5	23155	1	24	Band 2	20M	1960	900	Band 7	20M	2655	3100	- /	- /	- 1	- /	22.17	22.29	22.40
CA_4A-7A-12A	Band 4	20M	16QAM	1745	20300	1	50	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	- 1	/	- 1	- /	20.83	20.86	21.00
CA_4A-7A-12A	Band 7	20M	16QAM	2560	21350	1	50	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	/	- /	/	- /	14.89	14.97	15.10
CA_2A-4A-7A-12A	Band 2	20M	16QAM	1900	19100	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	19.29	19.38	19.50
CA_2A-4A-7A-12A	Band 4	20M	16QAM	1745	20300	1	50	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	20.76	20.86	21.00
CA_2A-4A-7A-12A	Band 7	20M	16QAM	2560	21350	1	50	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	14.88	14.97	15.10
CA_2A-4A-7A-12A	Band 12	5M	16QAM	713.5	23155	1	24	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	22.18	22.29	22.40

										Rece	iver on(Rig	ght head)										
DL LTE CA				PCC					5	CC1			S	CC2			S	CC3		Р	ower(dBm)	
Class	LTE	BW	Modulation	UL Freq.	UL	UL#	UL RB	LTE	BW	DL Freq.	DL	LTE	BW	DL Freq.	DL	LTE	BW	DL Freq.	DL	DL LTE CA	LTE Rel 8	Tune-up
	Band	(MHz)		(MHz)	Channel	RB	Offset	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Tx.Power	Tx.Power	
CA_7C	Band 7	20M	QPSK	2560	21350	50	50	Band 7	20M	3152	2660.2	_		1	- 1	_	1	- 1	- 1	11.33	11.36	11.60
CA_4A-4A	Band 4	20M	16QAM	1745	20300	1	50	Band 4	20M	2120	2050	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	18.55	18.58	19.00
CA_7A-7A	Band 7	20M	QPSK	2560	21350	50	50	Band 7	20M	2645	3000	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	11.35	11.36	11.60
CA_12A-12A	Band 12	5M	16QAM	701.5	23035	1	0	Band 12	5M	743.5	5155	- 1	- /		- 1	- 1	- /	1	- 1	21.72	21.79	22.00
CA_2A-4A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	- 1	- 1		- 1	- 1	- 1	- 1	- 1	17.96	17.99	18.00
CA_2A-4A	Band 4	20M	16QAM	1745	20300	1	50	Band 2	20M	1960	900	- 1	1	- 1	- 1	- 1	1	1	- 1	18.56	18.58	19.00
CA_2A-5A	Band 2	20M	16QAM	1860	18700	1	99	Band 5	10M	881.5	2525	- 1	- /		- /	- 1	- /	1	- 1	17.91	17.99	18.00
CA_2A-5A	Band 5	10M	16QAM	829	20450	1	49	Band 2	20M	1960	900	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	20.96	20.99	21.50
CA_2A-7A	Band 2	20M	16QAM	1860	18700	1	99	Band 7	20M	2655	3100	- 1	- /		- 1	- 1	- /	1	- 1	17.89	17.99	18.00
CA_2A-7A	Band 7	20M	QPSK	2560	21350	50	50	Band 2	20M	1960	900	- 1	1	/	- 1	- /	- /	1	- 1	11.35	11.36	11.60
CA_2A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 12	5M	737.5	5095	- 1	/		- /	- /	/	/	1	17.86	17.99	18.00
CA_2A-12A	Band 12	5M	16QAM	701.5	23035	1	0	Band 2	20M	1960	900	- 1	- /		- /	- 1	- /	- 1	- 1	21.76	21.79	22.00
CA_4A-5A	Band 4	20M	16QAM	1745	20300	1	50	Band 5	10M	881.5	2525	- 1	/		- 1	- /	1	1	1	18.50	18.58	19.00
CA_4A-5A	Band 5	10M	16QAM	829	20450	1	49	Band 4	20M	2132.5	2175	- 1	- /		- /	- 1	- /	1	- 1	20.91	20.99	21.50
CA_4A-7A	Band 4	20M	16QAM	1745	20300	1	50	Band 7	20M	2655	3100	1	1		- /	- /	/	- 1	- 1	18.55	18.58	19.00
CA_4A-7A	Band 7	20M	QPSK	2560	21350	50	50	Band 4	20M	2132.5	2175	- 1	/		- /	/		/	1	11.29	11.36	11.60
CA_4A-12A	Band 4	20M	16QAM	1745	20300	1	50	Band 12	5M	737.5	5095	- 1	1		- 1	- 1	- /	- 1	- 1	18.49	18.58	19.00
CA_5A-7A	Band 5	10M	16QAM	829	20450	1	49	Band 7	20M	2655	3100	1	/		- /	- /	/	- 1	- /	20.88	20.99	21.50
CA_5A-7A	Band 7	20M	QPSK	2560	21350	50	50	Band 5	10M	881.5	2525	- 1	1		- /	- /	1	- /	- /	11.22	11.36	11.60
CA_7A-12A	Band 7	20M	QPSK	2560	21350	50	50	Band 12	5M	737.5	5095	1	/		- /	- /	- /	/	1	11.23	11.36	11.60
CA_7A-12A	Band 12	5M	16QAM	701.5	23035	1	0	Band 7	20M	2655	3100	- 1	/		/	- /	1	- /	- /	21.70	21.79	22.00
CA_2A-12B	Band 2	20M	16QAM	1860	18700	1	99	Band 12	10M	741	5130	Band 12	5M	733.8	5058	- 1	1	- 1	- /	17.89	17.99	18.00
CA_4A-12B	Band 4	20M	16QAM	1745	20300	1	50	Band 12	10M	741	5130	Band 12	5M	733.8	5058	- /	- /	/	/	18.47	18.58	19.00
CA_2A-4A-4A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2145	2300	Band 4	20M	2120	2050	- 1	1	- /	- /	17.88	17.99	18.00
CA_2A-4A-4A	Band 4	20M	16QAM	1745	20300	1	50	Band 4	20M	2120	2050	Band 2	20M	1960	900	I		- /	- /	18.51	18.58	19.00
CA_4A-7A-7A	Band 4	20M	16QAM	1745	20300	1	50	Band 7	20M	2630	2850	Band 7	20M	2680	3350	- /	1	/	/	18.46	18.58	19.00
CA_4A-7A-7A	Band 7	20M	QPSK	2560	21350	50	50	Band 7	20M	2645	3000	Band 4	20M	2132.5	2175	- 1	/	- /	- /	11.27	11.36	11.60
CA_2A-4A-5A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	- /		/	- /	17.91	17.99	18.00
CA_2A-4A-5A	Band 4	20M	16QAM	1745	20300	1	50	Band 2	20M	1960	900	Band 5	10M	881.5	2525	- 1		/	1	18.50	18.58	19.00
CA_2A-4A-5A	Band 5	10M	16QAM	829	20450	1	49	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- /	<u>'</u>	!	'.	20.96	20.99	21.50
CA_2A-4A-7A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	- /	- /-		/	17.85	17.99	18.00
CA_2A-4A-7A	Band 4	20M	16QAM	1745	20300	1	50	Band 2	20M	1960	900	Band 7	20M	2655	3100	1	/	1	1	17.47	18.58	19.00
CA_2A-4A-7A	Band 7	20M	QPSK	2560	21350	50	50	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- /	1	1	1	11.25	11.36	11.60
CA_2A-4A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- 1	- /-	1	1	17.83	17.99	18.00
CA_2A-4A-12A	Band 4	20M	16QAM	1745	20300	1	50	Band 2	20M	1960	900	Band 12	10M	737.5	5095	- /	- 	- '	1	18.46	18.58	19.00
CA_2A-7A-12A	Band 2	20M	16QAM	1860	18700	1	99	Band 7	20M	2655	3100	Band 12	5M	737.5	5095	- /	- 	- '	1	17.89	17.99	18.00
CA_2A-7A-12A	Band 7	20M	QPSK	2560	21350	50	50	Band 2	20M	1960	900	Band 12	5M	737.5	5095	- /	- 	- /	1	11.25	11.36	11.60
CA_2A-7A-12A	Band 12	5M	16QAM	701.5	23035	1	0	Band 2	20M 20M	1960 2655	900	Band 7	20M	2655 737.5	3100	- /	- 	- '	1	21.68	21.79	22.00
CA_4A-7A-12A	Band 4	20M 20M	16QAM QPSK	1745 2560	21350	1	50 50	Band 7	20M	2132.5	3100 2175	Band 12	10M 10M	737.5	5095 5095	- /	- 		1	18.57 11.26	18.58 11.36	19.00 11.60
CA_4A-7A-12A CA_2A-4A-7A-12A	Band 7		16QAM			50	99	Band 4	20M	2132.5	2175	Band 12		2655	3100	Danid 40	4014	737.5	5005	17.81	17.99	18.00
	Band 2	20M		1860	18700 20300	1		Band 4		1960		Band 7	20M	2655		Band 12	10M		5095	17.81		
CA_2A-4A-7A-12A	Band 4	20M	16QAM	1745		1	50	Band 2	20M		900	Band 7	20M 20M		3100	Band 12	10M	737.5	5095		18.58	19.00
CA_2A-4A-7A-12A		20M	QPSK	2560	21350	50	50 0	Band 2	20M	1960 1960	900	Band 4		2132.5 2132.5	2175	Band 12	10M	737.5 2655	5095 3100	11.28 21.77	11.36	11.60 22.00
CA_2A-4A-7A-12A	Band 12	5M	16QAM	701.5	23035	1	U	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	20M	2055	3100	21.//	21.79	22.00

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

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										Recei	ver off (Bo	dy Scene)										
				PCC					S	CC1	ver on (Do	ay Oceme)	S	CC2			S	CC3		Р	ower(dBm)	
DL LTE CA	LTE	BW		UL Freq.	UL	UL#	UL RB	LTE	BW	DL Freq.	DL	LTE		DL Freg.	DL	LTE	BW	DL Freq.	DL	DL LTE CA	LTE Rel 8	_
Class	Band	(MHz)	Modulation	(MHz)	Channel	RB	Offset	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Tx.Power	Tx.Power	Tune-up
CA_7C	Band 7	20M	16QAM	2560	21350	50	25	Band 7	20M	3152	2660.2	1	1	1	- 1	- 1	1	1	- /	18.86	18.90	19.10
CA_4A-4A	Band 4	20M	QPSK	1720	20050	1	99	Band 4	20M	2145	2300	1	- /	- 1	- 1	- 1	- /	- 1	- /	22.61	22.63	23.50
CA_7A-7A	Band 7	20M	16QAM	2560	21350	50	25	Band 7	20M	2645	3000	1	1		1	- 1	1	-	- 1	18.83	18.90	19.10
CA_12A-12A	Band 12	5M	QPSK	713.5	23155	1	24	Band 12	5M	731.5	5035	- 1	- /	- 1	- 1	- 1	- /	- 1	- 1	23.44	23.48	24.00
CA_2A-4A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	1	- /	- 1	1	- 1	- /	- 1	1	22.89	22.93	23.00
CA_2A-4A	Band 4	20M	QPSK	1720	20050	1	99	Band 2	20M	1960	900	- 1	- /	- /	- 1	- 1	- /	- 1	1	22.58	22.63	23.50
CA_2A-5A	Band 2	20M	16QAM	1860	18700	1	0	Band 5	10M	881.5	2525	- 1	- /	- /	- 1	- 1	- /	- 1	1	22.91	22.93	23.00
CA_2A-5A	Band 5	10M	QPSK	829	20450	1	0	Band 2	20M	1960	900	1	1	1	- 1	- 1	/	- 1	1	23.11	23.14	24.00
CA_2A-7A	Band 2	20M	16QAM	1860	18700	1	0	Band 7	20M	2655	3100		- /		- 1	- 1	1		- /	22.89	22.93	23.00
CA_2A-7A	Band 7	20M	16QAM	2560	21350	50	25	Band 2	20M	1960	900		/	- /	1	1	/	- /	1	18.87	18.90	19.10
CA_2A-12A	Band 2	20M	16QAM	1860	18700 23155	1	0	Band 12	5M	737.5	5095		/	- /	1	- 1	/	- 1	1	22.86	22.93	23.00
CA_2A-12A	Band 12	5M	QPSK	713.5		1	24	Band 2	20M	1960	900	- 1	/	- 1	1	- 1	1	- 1	1	23.41	23.48	24.00
CA_4A-5A	Band 4 Band 5	20M 10M	QPSK QPSK	1720 829	20050	1	99	Band 5 Band 4	10M 20M	881.5 2132.5	2525 2175	- 1	/	- /	1	- /	/	- /	1	22.58	22.63 23.14	23.50 24.00
CA_4A-5A CA 4A-7A	Band 4	20M	QPSK	1720	20050	1	99	Band 7	20M	2655	3100	- 1	/		1	- 1	- /	- 1	1	22.55	22.63	23.50
CA_4A-7A CA_4A-7A	Band 7	20M	16QAM	2560	21350	50	25	Band 4	20M	2132.5	2175	1	/	- 1	1	- 1	' ,	- 1	',	18.84	18.90	19.10
CA_4A-7A CA 4A-12A	Band 4	20M	QPSK	1720	20050	1	99	Band 12	20M	737.5	5095	- '	'	- '-	1	- 1	'	- 1	1	22.55	22.63	23.50
CA 5A-7A	Band 5	10M	QPSK	829	20450	i	0	Band 7	20M	2655	3100	1	'	'	'	1	'	'	' ,	23.01	23.14	24.00
CA 5A-7A	Band 7	20M	16QAM	2560	21350	50	25	Band 5	10M	881.5	2525	1	1	- 1	1	1	1	1	1	18.81	18.90	19.10
CA 7A-12A	Band 7	20M	16QAM	2560	21350	50	25	Band 12	5M	737.5	5095	' 1	1	'	1	1	1	1	1	18.78	18.90	19.10
CA 7A-12A	Band 12	5M	QPSK	713.5	23155	1	24	Band 7	20M	2655	3100	i	1	- i	1	- 1	1	- 1	<i>i</i>	23.40	23.48	24.00
CA 2A-12B	Band 2	20M	16QAM	1860	18700	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	1	1	1	1	22.84	22.93	23.00
CA 4A-12B	Band 4	20M	QPSK	1720	20050	1	99	Band 12	10M	741	5130	Band 12	5M	733.8	5058	1	1	1	1	22.52	22.63	23.50
CA_2A-4A-4A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2145	2300	Band 4	20M	2120	2050	- 1	1	1	1	22.88	22.93	23.00
CA_2A-4A-4A	Band 4	20M	QPSK	1720	20050	1	99	Band 4	20M	2145	2300	Band 2	20M	1960	900	- 1	1	- 1	1	22.52	22.63	23.50
CA_4A-7A-7A	Band 4	20M	QPSK	1720	20050	1	99	Band 7	20M	2630	2850	Band 7	20M	2680	3350	- 1	- /	- 1	1	22.55	22.63	23.50
CA_4A-7A-7A	Band 7	20M	16QAM	2560	21350	50	25	Band 7	20M	2645	3000	Band 4	20M	2132.5	2175	- 1	- /	- 1	- /	18.81	18.90	19.10
CA_2A-4A-5A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	- 1	1	- 1	- /	22.89	22.93	23.00
CA_2A-4A-5A	Band 4	20M	QPSK	1720	20050	1	99	Band 2	20M	1960	900	Band 5	10M	881.5	2525	- 1	1	- 1	1	22.62	22.63	23.50
CA_2A-4A-5A	Band 5	10M	QPSK	829	20450	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- 1	- /	- 1	1	23.13	23.14	24.00
CA_2A-4A-7A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	- 1	- /	- 1	1	22.91	22.93	23.00
CA_2A-4A-7A	Band 4	20M	QPSK	1720	20050	1	99	Band 2	20M	1960	900	Band 7	20M	2655	3100	- 1	- /	- 1	1	22.51	22.63	23.50
CA_2A-4A-7A	Band 7	20M	16QAM	2560	21350	50	25	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- 1	1	- /	1	18.80	18.90	19.10
CA_2A-4A-12A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095		/		/	22.81	22.93	23.00
CA_2A-4A-12A	Band 4	20M	QPSK	1720	20050	1	99	Band 2	20M	1960	900	Band 12	10M	737.5	5095	- 1	1	1	1	22.56	22.63	23.50
CA_2A-7A-12A	Band 2	20M	16QAM	1860	18700	1	0	Band 7	20M	2655	3100	Band 12	5M	737.5	5095	- 1	1	- /	1	22.85 18.79	22.93	23.00 19.10
CA_2A-7A-12A	Band 7 Band 12	20M 5M	16QAM QPSK	2560 713.5	21350 23155	50	25 24	Band 2 Band 2	20M 20M	1960 1960	900	Band 12 Band 7	5M 20M	737.5 2655	5095 3100	- 1	1	- /	1	18.79 23.40	18.90 23.48	19.10 24.00
CA_2A-7A-12A CA_4A-7A-12A	Band 12 Band 4	20M	QPSK	1720	20050	1	99	Band 2	20M	2655	3100	Band 12	10M	737.5	5095	- 1	'	- /	/	22.50	22.63	23.50
CA_4A-7A-12A CA_4A-7A-12A	Band 7	20M	16QAM	2560	21350	50	25	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	1	+	- 1	1	18.88	18.90	19.10
CA_4A-7A-12A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	22.88	22.93	23.00
CA 2A-4A-7A-12A	Band 4	20M	QPSK	1720	20050	1	99	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	22.51	22.93	23.50
CA 2A-4A-7A-12A	Band 7	20M	16QAM	2560	21350	50	25	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	18.89	18.90	19.10
CA 2A-4A-7A-12A	Band 12	5M	QPSK	713.5	23155	1	24	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	23.39	23.48	24.00
UN_20-40-10-120	Danu 12	JIVI	WI OIL	r 10.0	20100		24	Danu Z	20W	1000	300	Danu 4	2011	2102.0	2113	Danu /	ZUM	2000	3100	20.00	20.40	24.00

									Rec	eiver on(Le	ft head) +V	ViFi on/Hot	tspot or	1								
DL LTE CA				PCC					S	CC1			S	CC2			S	CC3		P	ower(dBm)	
Class	LTE	BW	Modulation	UL Freq.	UL	UL#	UL RB	LTE	BW	DL Freq.	DL	LTE	BW	DL Freq.	DL	LTE	BW	DL Freq.	DL	DL LTE CA	LTE Rel 8	Tune-up
	Band	(MHz)		(MHz)	Channel	RB	Offset	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Tx.Power	Tx.Power	
CA_7C	Band 7	20M	16QAM	2510	20850	50	50	Band 7	20M	2649.8	3048	_	- /	_	1	- 1	1	- 1	1	13.51	13.56	13.60
CA_4A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 4	20M	2120	2050	- 1	- /	- 1	- 1	- 1	1	/	/	17.36	17.39	18.00
CA_7A-7A	Band 7	20M	16QAM	2510	20850	50	50	Band 7	20M	2680	3350	- 1	- 1	- 1	- 1	- 1	1	- 1	- 1	13.54	13.56	13.60
CA_12A-12A	Band 12	5M	16QAM	713.5	23155	1	13	Band 12	5M	731.5	5035	- 1	- /	- /	- 1	- 1	1	- 1	1	18.75	18.81	19.40
CA_2A-4A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	- 1	- 1	- 1	- 1	- 1	1	- 1	1	16.05	16.08	16.50
CA_2A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	- 1	- /	- 1	- 1	- 1	1	- 1	1	17.33	17.39	18.00
CA_2A-5A	Band 2	20M	16QAM	1860	18700	1	0	Band 5	10M	881.5	2525	- 1	- /	- 1	- 1	- 1	1	1	/	16.01	16.08	16.50
CA_2A-5A	Band 5	10M	16QAM	829	20450	1	0	Band 2	20M	1960	900	- 1	- 1	- 1	1	- 1	1	- 1	1	17.80	17.82	19.00
CA_2A-7A	Band 2	20M	16QAM	1860	18700	1	0	Band 7	20M	2655	3100	- 1	- /	- 1	- 1	- 1	1	/	/	16.02	16.08	16.50
CA_2A-7A	Band 7	20M	16QAM	2510	20850	50	50	Band 2	20M	1960	900	- 1	- 1	- 1	- 1	- 1	1	- 1	1	13.50	13.56	13.60
CA_2A-12A	Band 2	20M	16QAM	1860	18700	1	0	Band 12	5M	737.5	5095	- 1	- /	- 1	1	- 1	1	- 1	1	15.99	16.08	16.50
CA_2A-12A	Band 12	5M	16QAM	713.5	23155	1	13	Band 2	20M	1960	900	- 1	- /	- /	- /	- 1	- /	- 1	1	18.73	18.81	19.40
CA_4A-5A	Band 4	20M	16QAM	1745	20300	1	0	Band 5	10M	881.5	2525	- 1	- /	- 1	- 1	1	- /	1	1	17.38	17.39	18.00
CA_4A-5A	Band 5	10M	16QAM	829	20450	1	0	Band 4	20M	2132.5	2175	- 1	- /	- /	- /	- 1	- /	- /	1	17.76	17.82	19.00
CA_4A-7A	Band 4	20M	16QAM	1745	20300	1	0	Band 7	20M	2655	3100		- /	- 1	- 1	1	- /	- 1	1	17.32	17.39	18.00
CA_4A-7A	Band 7	20M	16QAM	2510	20850	50	50	Band 4	20M	2132.5	2175	- 1	- /	- /	- /	- 1	1	- 1	1	13.48	13.56	13.60
CA_4A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 12	5M	737.5	5095	- 1	- /	- /	- /	- 1	- /	- 1	1	17.30	17.39	18.00
CA_5A-7A	Band 5	10M	16QAM	829	20450	1	0	Band 7	20M	2655	3100	- 1	- /	- 1	- /	1	- /	1	/	17.71	17.82	19.00
CA_5A-7A	Band 7	20M	16QAM	2510	20850	50	50	Band 5	10M	881.5	2525	- 1	- /	- /	- /	- 1	- /	- /	1	13.50	13.56	13.60
CA_7A-12A	Band 7	20M	16QAM	2510	20850	50	50	Band 12	5M	737.5	5095	- 1	1	- 1	1	- 1	/	- 1	1	13.55	13.56	13.60
CA_7A-12A	Band 12	5M	16QAM	713.5	23155	1	13	Band 7	20M	2655	3100	- 1	- /	/	- /	- 1	1	- /	1	18.70	18.81	19.40
CA_2A-12B	Band 2	20M	16QAM	1860	18700	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	- 1	1	- 1	1	15.93	16.08	16.50
CA_4A-12B	Band 4	20M	16QAM	1745	20300	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	- 1	1	- 1	1	17.26	17.39	18.00
CA_2A-4A-4A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2145	2300	Band 4	20M	2120	2050	- 1	1	- /	1	16.00	16.08	16.50
CA_2A-4A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 4	20M	2120	2050	Band 2	20M	1960	900	- 1	1	- /	1	17.31	17.39	18.00
CA_4A-7A-7A	Band 4	20M	16QAM	1745	20300	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350		/	/	/	17.26	17.39	18.00
CA_4A-7A-7A	Band 7	20M	16QAM	2510	20850	50	50	Band 7	20M	2680	3350	Band 4	20M	2132.5	2175	- 1	1	- /	1	13.43	13.56	13.60
CA_2A-4A-5A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525		/	/	/	16.07	16.08	16.50
CA_2A-4A-5A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	- 1	1	1	1	17.38	17.39	18.00
CA_2A-4A-5A	Band 5	10M	16QAM	829	20450	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- /	/	/	/	17.81	17.82	19.00
CA_2A-4A-7A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	- 1	/		/	16.03	16.08	16.50
CA_2A-4A-7A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	1	/		1	17.33	17.39	18.00
CA_2A-4A-7A	Band 7	20M	16QAM	2510	20850	50	50	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- /	- /	- /	1	13.47	13.56	13.60
CA_2A-4A-12A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- /	- /	- /	1	16.08	16.08	16.50
CA_2A-4A-12A CA_2A-7A-12A	Band 4	20M 20M	16QAM 16QAM	1745 1860	20300 18700	1	0	Band 2	20M 20M	1960 2655	900 3100	Band 12	10M 5M	737.5 737.5	5095 5095	1	!	/	1	17.25 16.00	17.39 16.08	18.00 16.50
	Band 2							Band 7				Band 12				_	- /	- /	1			
CA_2A-7A-12A	Band 7	20M	16QAM 16QAM	2510	20850	50	50 13	Band 2	20M 20M	1960 1960	900	Band 12	5M 20M	737.5 2655	5095 3100	1	1	1	1	13.50 18.80	13.56 18.81	13.60 19.40
CA_2A-7A-12A CA_4A-7A-12A	Band 12	5M 20M	16QAM	713.5 1745	23155	1		Band 2	20M	2655	3100	Band 7 Band 12	20M	737.5	5095	1	1	1	1	17.27	18.81	19.40
	Band 4					50	0 50	Band 7	20M	2132.5	2175						'	- /	1	17.27	17.39	
CA_4A-7A-12A CA_2A-4A-7A-12A	Band 7	20M 20M	16QAM 16QAM	2510 1860	20850 18700			Band 4	20M	2132.5	2175	Band 12 Band 7	10M 20M	737.5 2655	5095	Band 12	10M	737.5	5095	13.43	16.08	13.60 16.50
CA_2A-4A-7A-12A	Band 2 Band 4	20M	16QAM	1745	20300	1	0	Band 4 Band 2	20M	1960	900	Band 7	20M	2655	3100 3100	Band 12 Band 12	10M	737.5	5095	17.36	17.39	18.00
		20M	16QAM	2510		50	50		20M	1960	900		20M						5095	17.30	17.39	18.00
CA_2A-4A-7A-12A CA_2A-4A-7A-12A	Band 7 Band 12	20M	16QAM	713.5	20850	1	13	Band 2 Band 2	20M	1960	900	Band 4 Band 4	20M	2132.5 2132.5	2175	Band 12 Band 7	10M 20M	737.5 2655	3100	18.72	18.81	19.40
UA_2A-4A-1A-12A	Danu 12	OW	TOWAM	1 13.5	23 100		13	Dail0 2	2010	1900	900	Dail0 4	ZUM	2132.5	21/5	Dailu /	ZUM	2000	3100	10.72	10.61	19.40

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

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									Rece	eiver on(Ric	nht head) +	WiFi on/H	ntsnot o	n								
				PCC						CC1	Jili ileau)	***************************************		CC2			S	CC3		P	ower(dBm)	
DL LTE CA	LTE	BW		UL Freq.	UL	UL#	UL RB	LTE	BW	DL Frea.	DL	LTE	BW	DL Freq.	DL	LTE	BW	DL Freq.	DL	DL LTE CA	LTE Rel 8	_
Class	Band	(MHz)	Modulation	(MHz)	Channel		Offset	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Tx.Power	Tx.Power	Tune-up
CA 7C	Band 7	20M	16QAM	2510	20850	1	99	Band 7	20M	2649.8	3048	1	1	1	1	1	1	1	1	10.02	10.08	10.10
CA 4A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 4	20M	2120	2050	1	1	1	1	1	1	1	1	15.42	15.46	16.00
CA 7A-7A	Band 7	20M	16QAM	2510	20850	1	99	Band 7	20M	2680	3350	- 1	1	- /	1	- 1	1	1	1	10.05	10.08	10.10
CA_12A-12A	Band 12	5M	16QAM	713.5	23155	1	24	Band 12	5M	731.5	5035	- 1	1	- 1	1	- 1	- /	- 1	- /	18.26	18.33	19.00
CA_2A-4A	Band 2	20M	16QAM	1900	19100	1	99	Band 4	20M	2132.5	2175	- 1	1	- /	1	- 1	- /	- 1	- 1	14.50	14.52	15.00
CA_2A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	- 1	1	- 1	1	1	- /	- 1	- /	15.45	15.46	16.00
CA_2A-5A	Band 2	20M	16QAM	1900	19100	1	99	Band 5	10M	881.5	2525	- 1	- /	- 1	- 1	- 1	- /	- 1	- 1	14.48	14.52	15.00
CA_2A-5A	Band 5	10M	16QAM	829	20450	1	0	Band 2	20M	1960	900	- 1	1	- 1	- 1	1	- /	- 1	- 1	17.35	17.38	18.50
CA_2A-7A	Band 2	20M	16QAM	1900	19100	1	99	Band 7	20M	2655	3100	- 1	1	- 1	_	1	1	- 1	- 1	14.44	14.52	15.00
CA_2A-7A	Band 7	20M	16QAM	2510	20850	1	99	Band 2	20M	1960	900	-	1	- 1	1	- 1	1	-	- 1	10.00	10.08	10.10
CA_2A-12A	Band 2	20M	16QAM	1900	19100	1	99	Band 12	5M	737.5	5095	-	1	- 1	- 1	1	- /	-	- 1	14.40	14.52	15.00
CA_2A-12A	Band 12	5M	16QAM	713.5	23155	1	24	Band 2	20M	1960	900	- 1	- /	- 1	1	- 1	- 1	- 1	- 1	18.29	18.33	19.00
CA_4A-5A	Band 4	20M	16QAM	1745	20300	1	0	Band 5	10M	881.5	2525	- 1	1	- 1	1	1	1	- 1	- 1	15.40	15.46	16.00
CA_4A-5A	Band 5	10M	16QAM	829	20450	1	0	Band 4	20M	2132.5	2175	- 1	- /	- /	1	/	- /	I	- 1	17.30	17.38	18.50
CA_4A-7A	Band 4	20M	16QAM	1745	20300	1	0	Band 7	20M	2655	3100	1	/	- /	- /		- /	I	- 1	15.41	15.46	16.00
CA_4A-7A	Band 7	20M	16QAM	2510	20850	1	99	Band 4	20M	2132.5	2175	- 1	/	- /	- /		- /	- 1	- /	9.93	10.08	10.10
CA_4A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 12	5M	737.5	5095	- 1	/	- 1	- 1		- /	- 1	- /	15.45	15.46	16.00
CA_5A-7A	Band 5	10M	16QAM	829	20450	1	0	Band 7	20M	2655	3100	- 1	/	- /	1		1	- I	- /	17.26	17.38	18.50
CA_5A-7A	Band 7	20M	16QAM	2510	20850	1	99	Band 5	10M	881.5	2525		<u>'</u>	- /	/		/	- !	/	9.95	10.08	10.10
CA_7A-12A	Band 7	20M	16QAM	2510	20850	1	99	Band 12	5M	737.5	5095	- /	<u> </u>	- /	1		1	- 1	1	9.99	10.08	10.10
CA_7A-12A	Band 12	5M	16QAM	713.5	23155	1	24	Band 7	20M	2655	3100	J	-/-	700.0	5050		/	- 1	- /	18.24	18.33 14.52	19.00
CA_2A-12B	Band 2	20M	16QAM	1900 1745	19100	1	99	Band 12	10M	741 741	5130	Band 12		733.8 733.8	5058		1	- 1	1	14.43 15.37		15.00
CA_4A-12B CA 2A-4A-4A	Band 4 Band 2	20M 20M	16QAM 16QAM	1745	20300 19100	1	99	Band 12 Band 4	10M 20M	2145	5130 2300	Band 12 Band 4	5M 20M	2120	5058 2050		1	- 1	- /	15.37	15.46 14.52	16.00 15.00
CA_2A-4A-4A	Band 4	20M	16QAM	1745	20300	1	0	Band 4	20M	2120	2050	Band 2	20M	1960	900		- '-	1	- '	15.39	15.46	16.00
CA_2A-4A-4A CA_4A-7A-7A	Band 4	20M	16QAM	1745	20300	+	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350		'	1	',	15.37	15.46	16.00
CA_4A-7A-7A	Band 7	20M	16QAM	2510	20850	+	99	Band 7	20M	2680	3350	Band 4	20M	2132.5	2175	'	- /-	1	- '-	9.92	10.08	10.10
CA_4A-7A-7A	Band 2	20M	16QAM	1900	19100	1	99	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525		'	- 1	- '-	14.51	14.52	15.00
CA 2A-4A-5A	Band 4	20M	16QAM	1745	20300	Η	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525		'	- '1	- '1	15.45	15.46	16.00
CA 2A-4A-5A	Band 5	10M	16QAM	829	20450	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	'	1	1	1	17.37	17.38	18.50
CA 2A-4A-7A	Band 2	20M	16QAM	1900	19100	1	99	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	- 	1	1	1	14.44	14.52	15.00
CA 2A-4A-7A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	- i-	1	1	i	15.33	15.46	16.00
CA 2A-4A-7A	Band 7	20M	16QAM	2510	20850	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- i	- 	1	i	10.07	10.08	10.10
CA 2A-4A-12A	Band 2	20M	16QAM	1900	19100	1	99	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- i	1	1	i	14.44	14.52	15.00
CA 2A-4A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 12		737.5	5095	1	1	1	1	15.44	15.46	16.00
CA 2A-7A-12A	Band 2	20M	16QAM	1900	19100	1	99	Band 7	20M	2655	3100	Band 12	5M	737.5	5095	i	1	<u> </u>	1	14.50	14.52	15.00
CA_2A-7A-12A	Band 7	20M	16QAM	2510	20850	1	99	Band 2	20M	1960	900	Band 12	5M	737.5	5095	1	1	1	1	10.06	10.08	10.10
CA_2A-7A-12A	Band 12	5M	16QAM	713.5	23155	1	24	Band 2	20M	1960	900	Band 7	20M	2655	3100	1	1	1	- 1	18.31	18.33	19.00
CA_4A-7A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	1	- 1	- 1	- 1	15.43	15.46	16.00
CA_4A-7A-12A	Band 7	20M	16QAM	2510	20850	1	99	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- 1	1	- 1	- /	9.90	10.08	10.10
CA_2A-4A-7A-12A	Band 2	20M	16QAM	1900	19100	1	99	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	14.40	14.52	15.00
CA_2A-4A-7A-12A	Band 4	20M	16QAM	1745	20300	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	15.28	15.46	16.00
CA_2A-4A-7A-12A	Band 7	20M	16QAM	2510	20850	1	99	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	10.02	10.08	10.10
CA_2A-4A-7A-12A	Band 12	5M	16QAM	713.5	23155	1	24	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	18.30	18.33	19.00

									Paca	iver off (Bo	dy Scana)	-WiEi on/H	ntennt	nn .				211				
				PCC						CC1	dy Ocene)	VVII 1 011/11		CC2			8	CC3		P	ower(dBm)	
DL LTE CA	LTE	BW		UL Freq.	UL	UL#	UL RB	LTE	BW	DL Freq.	DL	LTE	BW	DL Freg.	DL	LTE	BW	DL Freg.	DL	DL LTE CA	LTE Rel 8	_
Class	Band	(MHz)	Modulation	(MHz)	Channel	RB	Offset	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Band	(MHz)	(MHz)	Channel	Tx.Power	Tx.Power	Tune-up
CA_7C	Band 7	20M	16QAM	2510	20850	50	50	Band 7	20M	2649.8	3048	- 1	1	1	- /	- /	1	1	- /	17.11	17.18	17.60
CA_4A-4A	Band 4	20M	16QAM	1720	20050	1	0	Band 4	20M	2145	2300	- 1	- /	- /	- /	- 1	- /	- 1	- /	19.83	19.89	20.50
CA_7A-7A	Band 7	20M	16QAM	2510	20850	50	50	Band 7	20M	2680	3350	- 1	- /	- 1	- 1	- 1	- /	- 1	- 1	17.16	17.18	17.60
CA_12A-12A	Band 12	5M	16QAM	701.5	23035	1	24	Band 12	5M	743.5	5155	- 1	- /	- 1	1	- 1	- /	- 1	- 1	20.58	20.68	21.00
CA_2A-4A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	- 1	1	- 1	- 1	- 1	- /	- 1	- 1	19.75	19.77	20.00
CA_2A-4A	Band 4	20M	16QAM	1720	20050	1	0	Band 2	20M	1960	900	- 1	1	1	1	- 1	1	- 1	- 1	19.85	19.89	20.50
CA_2A-5A	Band 2	20M	16QAM	1860	18700	1	0	Band 5	10M	881.5	2525	- 1	- /	- 1	1	- 1	1	- 1	- 1	19.72	19.77	20.00
CA_2A-5A	Band 5	10M	16QAM	844	20600	1	0	Band 2	20M	1960	900	-	- /	-	1	- 1	1	- 1	-	20.41	20.43	21.00
CA_2A-7A	Band 2	20M	16QAM	1860	18700	1	0	Band 7	20M	2655	3100	- 1	1	- 1	- 1	- 1	1	- 1	1	19.68	19.77	20.00
CA_2A-7A	Band 7	20M	16QAM	2510	20850	50	50	Band 2	20M	1960	900	- 1	- 1	- 1	- 1	- 1	1	- 1	1	17.17	17.18	17.60
CA_2A-12A	Band 2	20M	16QAM	1860	18700	1	0	Band 12	5M	737.5	5095	- 1	- /	- /	- /	- 1	- /	- /	1	19.68	19.77	20.00
CA_2A-12A	Band 12	5M	16QAM	701.5	23035	1	24	Band 2	20M	1960	900	- 1	1	1	1	- 1	/		1	20.65	20.68	21.00
CA_4A-5A	Band 4	20M	16QAM	1720	20050	1	0	Band 5	10M	881.5	2525	- 1	- /	- /	- /	- 1	- /		1	19.82	19.89	20.50
CA_4A-5A	Band 5	10M	16QAM	844	20600	1	0	Band 4	20M	2132.5	2175	- 1	- /		- /	- 1	- /		1	20.37	20.43	21.00
CA_4A-7A	Band 4	20M	16QAM	1720	20050	1	0	Band 7	20M	2655	3100		/		- /	- /	1		/	19.88	19.89	20.50
CA_4A-7A	Band 7	20M	16QAM	2510	20850	50	50	Band 4	20M	2132.5	2175		/		1		/		/	17.09	17.18	17.60
CA_4A-12A	Band 4	20M	16QAM	1720	20050	1	0	Band 12	5M	737.5	5095	- /	/	- /	1	1	1		1	19.86	19.89	20.50
CA_5A-7A	Band 5	10M	16QAM	844	20600	1	0	Band 7	20M	2655	3100	- 1	/	- /	- /	- 1	1		1	20.36	20.43	21.00
CA_5A-7A	Band 7	20M	16QAM	2510	20850	50	50	Band 5	10M	881.5	2525 5095	1	1	- 1	- 1	- 1	1	- !	1	17.07 17.11	17.18	17.60
CA_7A-12A CA_7A-12A	Band 7 Band 12	20M 5M	16QAM 16QAM	2510 701.5	20850	50	50 24	Band 12 Band 7	5M 20M	737.5 2655	3100	- 1	/	- /	1	- /	1	'	1	20.59	17.18 20.68	17.60 21.00
CA_7A-12A CA_2A-12B	Band 2	20M	16QAM	1860	18700	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	- 1	'	- 	',	19.66	19.77	20.00
CA_2A-12B	Band 4	20M	16QAM	1720	20050	1	0	Band 12	10M	741	5130	Band 12	5M	733.8	5058	- 1	',	- 	- '	19.79	19.77	20.50
CA_4A-12B CA_2A-4A-4A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2145	2300	Band 4	20M	2120	2050	1	1		1	19.79	19.69	20.00
CA_2A-4A-4A	Band 4	20M	16QAM	1720	20050	1	0	Band 4	20M	2145	2300	Band 2	20M	1960	900	- 1	1	'	1	19.86	19.77	20.50
CA 4A-7A-7A	Band 4	20M	16QAM	1720	20050	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	1	1	'	1	19.77	19.89	20.50
CA_4A-7A-7A	Band 7	20M	16QAM	2510	20850	50	50	Band 7	20M	2680	3350	Band 4	20M	2132.5	2175	1	'	- 	'	17.06	17.18	17.60
CA 2A-4A-5A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	1	1	- i -	1	19.70	19.77	20.00
CA 2A-4A-5A	Band 4	20M	16QAM	1720	20050	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	i	1	- i -	1	19.88	19.89	20.50
CA 2A-4A-5A	Band 5	10M	16QAM	844	20600	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	1	1	-i -	1	20.42	20.43	21.00
CA 2A-4A-7A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	1	1	1	1	19.66	19.77	20.00
CA 2A-4A-7A	Band 4	20M	16QAM	1720	20050	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	1	1	1	1	19.77	19.89	20.50
CA 2A-4A-7A	Band 7	20M	16QAM	2510	20850	50	50	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	- 1	1	1	1	17.03	17.18	17.60
CA 2A-4A-12A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- 1	1	- 1	- /	19.73	19.77	20.00
CA_2A-4A-12A	Band 4	20M	16QAM	1720	20050	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	- 1	1	- 1	1	19.76	19.89	20.50
CA_2A-7A-12A	Band 2	20M	16QAM	1860	18700	1	0	Band 7	20M	2655	3100	Band 12	5M	737.5	5095	- 1	- /	- 1	- 1	19.65	19.77	20.00
CA_2A-7A-12A	Band 7	20M	16QAM	2510	20850	50	50	Band 2	20M	1960	900	Band 12	5M	737.5	5095	- 1	- /	- 1	- 1	17.08	17.18	17.60
CA_2A-7A-12A	Band 12	5M	16QAM	701.5	23035	1	24	Band 2	20M	1960	900	Band 7	20M	2655	3100	- 1	- /	- 1	- /	20.67	20.68	21.00
CA_4A-7A-12A	Band 4	20M	16QAM	1720	20050	1	0	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	1	1	1	1	19.80	19.89	20.50
CA_4A-7A-12A	Band 7	20M	16QAM	2510	20850	50	50	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	- 1	1	- 1	- /	17.07	17.18	17.60
CA_2A-4A-7A-12A	Band 2	20M	16QAM	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 12		737.5	5095	19.61	19.77	20.00
CA_2A-4A-7A-12A	Band 4	20M	16QAM	1720	20050	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	Band 12	10M	737.5	5095	19.72	19.89	20.50
CA_2A-4A-7A-12A	Band 7	20M	16QAM	2510	20850	50	50	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	17.08	17.18	17.60
CA_2A-4A-7A-12A	Band 12	5M	16QAM	701.5	23035	1	24	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	20.55	20.68	21.00

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4X4 MIMO Conducted Power of Main Antenna

1X4 MIMO Coi	nducted F	ower o	f Main A	ntenna					
He	ead Scene(r	eceiver on)+SAR sen	sor off, Boo	y Scene(SAR sen	sor on Leve	I D2&D3)	
LTE Band	BW (MHz)	Modulat ion	Freq. (MHz)	Channel	UL# RB	UL RB Offset	With DL 4*4 MIMO Tx.Power (dBm)	Without DL 4*4 MIMO Tx.Power (dBm)	Tune-up
Band 4	20M	QPSK	1745	20300	1	0	23.18	23.18	24.00
Band 7	20M	QPSK	2510	20850	1	50	21.79	21.98	22.60
		Boo	dy Scene(0	mm SAR s	ensor on L	evel D0)			
LTE Band	BW (MHz)	Modulat ion	Freq. (MHz)	Channel	UL# RB	UL RB Offset	With DL 4*4 MIMO Tx.Power (dBm)	Without DL 4*4 MIMO Tx.Power (dBm)	Tune-up
Band 4	20M	16QAM	1720	20050	1	99	21.02	21.21	22.00
Band 7	20M	QPSK	2560	21350	50	0	19.09	19.31	19.60
			Body Scene	(SAR sens	or on Leve	l D1)			
LTE Band	BW (MHz)	Modulat ion	Freq. (MHz)	Channel	UL# RB	UL RB Offset	With DL 4*4 MIMO Tx.Power (dBm)	Without DL 4*4 MIMO Tx.Power (dBm)	Tune-up
Band 4	20M	16QAM	1720	20050	1	99	21.03	21.21	22.00
Band 7	20M	16QAM	2510	20850	1	50	20.89	21.05	21.60
		1	Vifi Hotspot	on(10mm	SAR sens	or off)			
LTE Band	BW (MHz)	Modulat ion	Freq. (MHz)	Channel	UL# RB	UL RB Offset	With DL 4*4 MIMO Tx.Power (dBm)	Without DL 4*4 MIMO Tx.Power (dBm)	Tune-up
Band 4	20M	16QAM	1745	20300	1	0	17.79	17.95	18.50
Band 7	20M	QPSK	2510	20850	50	50	17.81	17.98	18.60
		SA	AR sensor o	n level D0	+Wifi Hots	spot on			
LTE Band	BW (MHz)	Modulat ion	Freq. (MHz)	Channel	UL# RB	UL RB Offset	With DL 4*4 MIMO Tx.Power (dBm)	Without DL 4*4 MIMO Tx.Power (dBm)	Tune-up
Band 4	20M	16QAM	1745	20300	1	0	16.02	16.21	16.50
Band 7	20M	QPSK	2510	20850	50	0	15.34	15.52	15.60
		S	AR sensor (on level D1	+Wifi Hots	pot on			
LTE Band	BW (MHz)	Modulat ion	Freq. (MHz)	Channel	UL# RB	UL RB Offset	With DL 4*4 MIMO Tx.Power (dBm)	Without DL 4*4 MIMO Tx.Power (dBm)	Tune-up
Band 4	20M	16QAM	1745	20300	1	0	16.01	16.21	16.50
Band 7	20M	QPSK	2510	20850	1	50	16.92	17.11	17.60

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													e (receiver on)													1
OL LTE CA Class	PCC.							SCC1						5CC2						3000	-	1	Power(dSm)			
	ITE Band	HW (MHz)	Moduluses	UL Freq (MHz)	LL Challnel	UL# RE	UL RB Ofset	Di. Antenna Configuration	TE Basi	(MHz)	DL Freq (MHz)	DL. Chairier	Dt Antenna Configuration	TE Band	BW (MHz)	DC Freq (MR2)	DL Channe	DL Antenns Configuration	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	Ol. Cirannel	With DL 4*3 MIMO Tx: Power(dBm)	Without DL 4'4 MIMO Tx Power(dDm)	Turnes
CA_7C	Band 7	20M	QPSK	2510	20850	1	50	4°4 MMO	Band 7	20M	2649.8	3848	4°4 MMO	7	- Y	1.	- L	Υ	- /	I	- 1	- 1	1	21.72	21.98	22.60
CA 2A-IA	Band 2	50W	QPSK	1900	19100	-1	0	2'2 MMO	Band 4	_50M	2132.5	2175	4"4 MIMO	1	1.	7.	1	-1	f	1	4	1	1	23.44	23.65	24.00
CA_2A4A	Band 4	20M	QPSK	1745	20300	1.	- 0	4'4 MMD	Band 2	20M	1960	900	2°2 MIMO	1-	- V -	- 1-	1		- 1-	1-	1	- 1	. X	23.02	23.18	24.00
CA_2A-7A	Band 2	20M	QPSK	1900	19100	1	0	2°2 MMO	Band 7	20M	2666	3100	4'4 MIMO	- 1.	1	/	1	1	- 72	1	- 1.	1	- Z	23.55	23.65	24.00
CA_ZA-7A	- Band 7	20M	QPSK.	2510	20850	1	50.	dra MIMO	Band 2	20M	1960	900	2°2 MIMO	1	1.	1	-1	- Vi	1	- 1	F	1	1.	21.86	21,98	22.26
CA 4A-5A	Band 4	20M	QPSK	1745	20300	1	- 0	4'4 MMO	Band 5	10M	881.5	2525	2*2 MIMO	1	1	1	. 1	1	1	- L	1	-1-	1	23.00	23.18	24.00
CA 4A5A	Band 5	10M	QPSK	829	20450	1	0	2'2 MMO	Band 4	20M	2132.5	2175	4°4 MIMO	- f.	1	1	1	1	1	1.	1	1	1	23.05	23.31	24.00
GA 4A.7A	Bland 4	20M	QPSK	1745	20300	1	0	4*4 MMD	Band 7	20M	2655	3100	4°4 MIMO	-1	1	1	1	-/-	1	1	1	1	1	23.00	23.18	24.00
CA 4A-7A	Band 7	20M	QPSK	2510	20850	1	50	4°4.MMD	Band 4	20M	2132.5	2175	4°4 MIMO	1	- Y	-1	.1	- V	.1	1	.1.	1	I.	21.82	21.98	22 60
CA 4A-7C	Band 4	20M	QPSK	1745	20300	1	0	4'4 MMO	Band 7	- 20M	2655	3100	4"4 MIMO	1	1	1	1	1 1	- 1C	1	1	1	1	23.00	23.18	24.00
CA 4A-7C	Band 7	20M	QPSK:	2510	20850	1	50	4°4 MIMO	Band 4	20M	2132.5	2175	4°4 MIMO	- 1	1	1	V	_W	- 1	1	E	-1	-1	21.82	21.96	22.60
CA SA-12A	Dand 4	20M	QPSK.	1745	20300	1	D	4°4 MIMO	Dand 12	504	737.5	5095	5.5 MINO.	1	F.	1	- 4	Y-	1	1	1	1	1	23.01	23.16	24.00
CA 4A-12B	Band 4	20M	QPSK	1745	20300	1.	II.	4'4 MIMO	Band 12	10M	741	≤130°	2°2 MIMO	Band 12	-5M	733.B	5058	2'2 MMO	-1	1	- D	I	- L	23.00	23.18	24.00
CA 5A7A	Band 6	10M	QPSK.	829	20450	- 1	0	2°2 MMD	Band 7	20M	2655	3100	4'4 MMO	1	1.	1	1	f	- 9E	1	1	1	7	23.21	23.31	24.00
CA SA-7A	Band 7	20M	QPSK.	2510	20850	-1"-	50	4'4 MMO	Band 5	10M	BB1.5	2626	2°2 MIMO	1	1	1	1	1	1	4	1	- 1	- 1	21 89	21.98	22 60
CA 7A-12A	Bend 7	2014	QPSK	2510	20850	1	50	4'4 MMO	Band 12	5M	737.5	5095	2°2 MIMO	- 7	1	- 1	- 1	1	1	2	7	- 1		21.90	21.98	22 60
GA 7A-12A	Band 12	5M	QPSK	7015	23035	1.	24	2'2 MMO	Band 7	20M	2655	3100°	4"4 MIMO	1	1.	_/_	-1	- A-	1	1	1	1	1	23.55	23.67	24.00
CA 2A4A5A	Band 2	20M	QPSK	1900	19100	1	0	2*2 MIMO	Band 4	20M	2132.5	2175	4P4 MIMO	Band 5	1001	881.5	2525	2°2 MIMO	-7.)	P	1	7	23.51	23.65	24.00
CA ZA-IA-SA	Eland 4	20M	QPSK	1745	20300	1	п	4º4 MIMO	Bland 2	20M	1960	900	2°2 MIMO.	Band 5	1014	681.5	7575	2°2 MMO	- 0	1	-1	1	7	23.02	23 18	74.00
CA 2A-4A-5A	Band 5	1014	QPSK.	829	20450	-	0	2'2 MMO	Band 2	- 26M	1960	900	2°2 MIMO	Band 4	201/	2132.5	2175	4'4 MIMO	1-	4	-1-	1	1	23 11	23.31	24.00
CA 2A4A7A	Band 2	2014	QPSK	1900	19100	1.	0	2°2 MMD	Band 4	201/1	2132.5	2175	4"4 MIMO	Band 7	20M	2655	3100	4'4 MMO	1	-1	- 71	11	- 1	23.55	23.65	24 00
CA 2A-4A-7A	Band 4	20M	QPSK	1745	20300	1	0	4/4 MIMO	Band 2	20M	1960	900	2°2 MIMO	Band 7	20M	2655	3100	4°4 MIMO	1	1	: 1.	1	1	23.03	23.18	24.66
CA 2A-IA-JA	Band 7	20M	QPSK	2510	20850	1	50	4º4 MMO	Band 2	20M	1960	900	2.5 WIWO	Band 4	20M	2132.5	2175	414 MIMO	- 1	1	- 1	7	1	21.83	21 98	22.60
CA 2A-IA-12A	Band 2	20M	QPSK	1900	19100	1	0	2°2 MIMO	Band-4	20M	2132.5	2175	474 MIMO	Band 12	5M	733.8	5058	2°2 MMO	1	1	1	- 1	1	23.47	23 65	24.00
CA 2A-4A-12A	Band 4	20M	QPSK	1745	20300	1	0	4°4 MMO	Band 2	20M	1960	900	2*2 MIMO	Band 12	5M	733.8	5058	2°2 MMO	1	1	1	- 9	1	22.98	23.18	24.00
A 28-4A-7A-12A	Band 2	2014	QPSIC	1900	19100	1	0	2'2 MMO	Band 4	- 20M	2132.5	2175	4"4 MIMO	Band 7	20M	2655	3100	2'2 MINO	Band 17	588	733.0	5058	2°2 MIMD	23.53	23 65	24 00
A 2A-4A-7A-12A	Band 4	20M	QPSK	1745	20300	1	0	4'4 MMO	Band 2	20M	1960	900	2°2 MIMO	Band 7	20M	2655	3100	2°2 MMO	Bard 12	5M	733 8	5058	2°2 MIMO	23 00	23.18	24.00
A 2A-4A-7A-12A		2014	QPSK	2510	20850	1	50	2'2 MMO	Band 2	20M	1960	900	2°2 MIMO	Band 4	201/	2132.5	2175	I 4'4 MIMO	Band 12	5M	733.8	5058	2°2 MIMO	21.81	21.98	22.60

									-				Onim SAR ser	rsor on Leve	(00)											
2000		_		E	200C				S001						SCC2						9003		Power(dBm)			
Class	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UE Channel	UL# RE	UL RE Offset	DL Antenna Configuration	LTF Band	BW (MHz)	DL Freq. (MHz)	DL Charmel	DL Amenna Configuration	LTE Band	EW (MHz)	DL Freq (MHz)	DL Channel	Dt. Antenna Configuration	LTE Band	EW (MHz)	DL Freq (MHz)	DL Channel	DI Channel	With DL 4"4 MMO Tx Power(dBm)	Without DL 4°4 MIMO Tis Power(dBin)	Tune-up
CA_7C	Band 7	20M	OPSK	2560	21350	50	0	4'4 MMO:	Band 7	20M	3152	2560.2	4"4 MIMD		7	1.	1	-7	'F.	1.	1	1	I.	19.08	19.31	19 60
CA 2A-4A	Band 2	2014	16QAM	1860	18700	1	99	2°2 MMO	Band 4	20M	2132.5	2175	4°4 MIMO	1.	1	1.	1.7	1	1.	- 2	1	-1	I	20.81	20.97	21.50
CA_ZA-IA	Band 4	.20M	16GAM	1720	20050	1	99	4'4 MIMO	Band 2	20M	1960	900	2*2 MIMO	.7	-1	1.	- 1:	1	1.	I.	1	-1	- 1	21.03	21.21	22 00
CA_2A-7A	Band 2	:20M	16QAM	1860	18700	1	99	2°2 MMO -	Band 7	20M	2655	3100	4"4 MIMO	1	- 1	1	- 6	1	-1	- 6	1	1	1	20,81	20.97	21.50
CA 2A-7A	Band 7	20M	QPSK	2660	21350	50	0	4°4 MIMQ	Band 2	20M	1960	900	2°2 MIMO	1	-1	1	1	1	- 1	I.	1	1	-1	19.20	19.31	19.60
CA 4A-5A	Band 4	20M	15GAM	1720	20050	1	55	4°4 MWO	Band 5	10M	881.5	2525	2°2 MIMO	-1-	1	1	1	1.	- 1	L.	1.	1	1	21 00	21.21	22 00
CA_4A-7A	Band 4	2014	16/QAM	1720	20050	1	99	4"4 MIMO	Band 7	20M	2655	3100	4"4 MIMO	1	1	- 1	1	1	-/-	1	1	1	T.	21.01	21.21	22.00
CA 4A-7A	Band 7	20M	QPSK	2560	21350	-50	0	4'4 MIMO	Band 4	20M	2132.5	2175	4'4 MIMO	- 7	1	1	- 1	1	1	- A	-1	1.	-D	19.18	19.31	19.60
CA 4A/7G	Band 4	20M	16QAM	1720	20050	1	99	4°4 MMO	Band 7	20M	2665	3100	4°4 MMC	1	1.	1.	1.	7	1	1	V	1	7	21.01	21.21	72.00
CA IA-70	Band 7	2014	QPSK	2550	21350	50	11	4*4 7/8/40	Band 4	20M	2132 5	2175	DIMIN EA	V	-1	1	1	1	-t-	1	T.	- F	- F	19.18	19.31	19 60
CA_4A-12A	Band 4	20M	16QAM	1720	20050	1	99	4'4 MMO	Band 12	5M	737.5	5095	2°2 MIMO	1	1	1	1/	1	1	1	1.	1	1	20.96	21.21	22.00
CA_4A-12B	Band 4	201/	16QAM	1720	20050	1	59	4'4 MMO -	Band 12	1054	741	5130	2°2 MIMO	Bland 12	5M	733.5	5058	2°2 MMO	1	- 8	1.	- 6	-6	20.99	21.21	22 00
CA SA-YA	Band 7	.20M	OPSK	2560	21350	50	ű.	4'4 MMO	Band 5	1064	881 E	2525	2°2 MMO	100	-7	1.	1	1	1	L.	T	- 1	100	19.11	19.31	19.60
CA.7A-12A	Band 7	201/	QPSK	2560	21350	50	0	414 MIMO	Band 12	5M	737.8	5095	2°2 MIMO	1	- £	1. 1.	- (1:	1	-1	7.	- 6	- C -	19.08	19.31	19.60
CA 2A-4A-5A	Band 2	20M	16QAM	1860	16700	1	- 59	212 MMO	Band 4	20M	2132.5	2175	4'4 MIMO	Band 5	1004	881.5	2525	2*2 MMO	1	. X	1	- F	-F	20.00	20.97	21.50
CA 2A-IA-5A	Band 4	29M	16GAM	1720	20050	1	.09	414 MMO	Bant 2	20M	1960	900	2°2 MIMO	Sand 5	10M	2215	2525	2'2 MMO	11.	1 -	- 5	-1-	- 75	21.00	21.21	22 00
CA_2A4A-TA	Band 2	20M	16QAM	1860	18700	1	99	2'2 MIMO	Bland 4	20M	2132.5	2175	4'4 MIMO	Band 7	20M	2656	3100	4°4 MMO	E.	1	1	- 1	- 1	20.82	20.97	21.50
CA ZA-4A-7A	Band 4	2014	16QAM	1720	20050	1	99	4'4 MMO	Band 2	20M	1960	900	2°2 MIMO	Bland 7	2014	7665	3100	414 MIMO	1	2	1.	1	-1-	21 03	21.21	22.00
CA 2A-4A-7A	Band 7	20M	QPSK.	2560	21350	30	0.	4°4 MMO	Bland 2	- 20M	1960	900	2°2 MIMO	Band 4	-20M	2132.5	2175	4°4 MMO	1 :	1	1			19.12	19.31	19.50
CA 2A-4A-12A	Band 2	-20M	16QAM	1860	19700	1	99	2°2 MMO	Band 4	120M	2132.5	2175	4'4 MIMO	Band 12	5M	733.8	5058	2°2 MIMO		1		1:-	1	20.78	20:97	21.50
CA 2A-4A-12A	Band 4	2014	16QAM	1720	20050	1	99	4'4 MMO	Band 2	20M	1960	900	2°2 MIMO	Dand 12	5M	733.5	5058	2.5 WWO	1	1	V	1	1	21.03	21 21	22 00
A 2A-4A-7A-12A	Band 2	20M	15CIAM	1860	18700	1	99	212 MMO	Band 4	20M	2132.5	2175	4"4 MIMO	Bland 7	20M	2655	3100	212 MIMO	Band 12	5M	733 B	5058	2°2 MIMO	20.81	20.97	21.50
A 2A 4A 7A 12A		20M	16QAM	1720	20050	1	99	414 MMO	Band 2	20M	1960	900	2°2 MIMO	Band 7	20M	2655	3100	2°2 MMO	Band 12	5M	733.8	5058	2°2 MIMO	21.02	21.21	22 00
A 2A JA 7A 12A		2004	DESK	7660	21350	50	0	CMM STS	Band 2	20M	1980	200	2°2 MMO	Rand 4	70M	2132.6	2175	A13 MIMO	Rand 12	754	733.8	Enex	2°2 MIMO	19.09	19.11	19.60



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												Body Sc	ene(SAR senso	r on Level D	11											
or or other state of				F	100						SCC1					SCC2					9003			1	Power(dBm)	
Class	LTE Band	BW (Mest)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	DL Antonna Configuration	LTE Band	BW (MHz)	DL Freiz (MHz)	DL Channe	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	DL Channel	With DL 4*4 MMO Tx.Power(dBm)	Without DL 4'4 MIMO Tx Power(sem)	Tunn-s
CA 7C	Bend 7	20M	MAD31	2510	20850	1	50	4'4 MMO	Band 7	- 20M	2649.8	3048	A"4 MIMO	1.	-7	- 1.	1	1	1.	-1	1	1	1	20.86	21.06	21.60
CA 2A4A	Band 2	20M	MADEL	1860	18700	1	99	2'2 MMD	Band 4	20M	2132.5	2175	4°4 MIMO	.70	1.7	1	1	1	1.	1	F.	1	1	20.81	20.97	21.60
CA_ZA-IA	Band 4	20M	MAD31	1720	20050	1.	99	4°4 MIMO	Band 2	20M	1960	900	2°2 MIMO	-1	. Y	-1	-1	. A	.1	1	.1.	T.	1	21.03	21.21	22.00
CA_ZA-TA	Band 2	20M	16QAM	1860	18700	1	99	2°2 MMO	Band 7	20M	2655	3100	4°4 MIMO	1	1	1	1	1.	10	1	- (1	1	20.80	20,97	21.50
CA 2A-7A	- Band 7	20M	16QAM	2510	20850	1	50	4*4 MIMO	Band 2	20M	1960	900	2°2 MIMO	-1	1	- 1	1	_W	- /	1	E	7	7	20.90	21.05	21.6
CA 4A-5A	Band 4	20M	16QAM	1720	20050	1	99	4°4 MMO	Band 5	10M	881.5	2525	2°2 MIMO	- 1	11:	- 1	- 1/ -	. A.	- 1	4	-1	1	. Y	21.01	21 21	22.00
CA 4A-7A	Band 4	2014	16QAM	1720	20050	1	99	4°4 MMO	Band 7	20M	2655	3100	4"4 MIMO	1	-1	- /-	1	1	1.	1	1	1	1	21.02	21.21	22.0
CA 4A.7A	Band 7	20M	16QAM	2510	20850	1	50	4'4 MIMO	Band 4	20M	2132.5	2175	4°L MIMO	- B	- A	- 1	1	1	- 1	1	1	1.	7	20.93	21.05	21.6
CA 4A/75	Eland 4	20M	16QAM	1720	20050	1	99	4'4 MMD	Band 7	20M	7655	1100	4'4 MIMO	1	7.	1	7	Y	- 7/	- 1	- 1	7	7	21.02	21.21	22.0
DA 4A-7C	Band 7	20M	MADST	2510	20850	1	150	4º4 MMO	Band &	20M	2132.5	2175	4"4 MIMO	f.	1	1	- 1	1	- L	1	1-	1	1	20.93	21.05	21.6
CA_4A-12A	Band 4	20M	16QAM	1720	20050	1	99	4'4 MMO	Band 12	5M	737.5	5095	2°2 MIMO	1	1		1	1.	1	1	1	- Y	1	20.97	21.21	22.0
GA_4A-12B	Bland 4	20M	15QAM	1720	20050	I	99	4°4 MIMO	Band 12	10M	741	5130	2°2 MIMO	Band 12	564	733 8	5058	2*2 MMO	- 1	1	7.	1	1	21.00	21.21	22.0
CA 5A-7A	Band 7	20M	MAD51	2510	20850	1.	50	AM.MMO	Band 5	1004	881.5	2525	2°2 MIMO	.35	7.1	11:	-1	- Y	.1-	-)	1.10	1	1	20.81	21.05	21.6
CA_7A-12A	Band 7	20M	16QAM	2510	20850	157	50	4°4 MMD	Band 12	5M	737.5	5095	2°2 MIMO		f	1	1	1.	93.	1	-1	- Y	1	20.83	21.05	21.6
CA 2A4A-5A	Band 2	20M	MAC91	1060	18700	1	99	2'2 MMO	Band 4	20M	2132 5	2175	4°4 MIMO	Band 5	10M	881.5	2525	212 MMO	1		7	1	1	20.79	20.97	21.50
CA 2A-1A-5A	Send 4	20M	MAD91	1720	20050	1	99	4'4 MMO	Band 7	20M	1960	900	2°2 MIMO	Band 5	TONE	381.5	2525	2.5 WWO	1	-1	- V -	1.	1	20.99	21.21	22.0
CA_ZA-LA-7A	Band 2	20M	16QAM	1860	18700	1	.99	2'2 MMO	Band 4	20M	2132.5	2175	4°4 MIMO	Band 7	20M	2666	3100	4°4 MMO	1.	- À	1	1	1	20.73	20.97	21.5
CA 2A 4A 7A	Band 4	20M	16QAM	1720	20050	1-	99.	4'4 MMO	Band 2	20M	1960	900	2*2 MIMO	Band 7	20M	2655	3100	4*4 MIMO	- 7	- 3	-7.	1	1	21.02	21.21	22.0
CA 2A-IA-7A	Band 7	20M	MAD91	2510	20850	T-	50	414 MIMO	Band 2	20M	1960	500	2°2 MIMO	Bind 4	20M	2132.5	2175	414 MIMO	b-	1	- P =	1	1	20.88	21.05	21.6
A_2A-4A-12A	Band 2	20M	16QAM	1860	18700	1.	99	2'2 MMO	Band 4	20M	2132.5	2175	4°4 MIMO	Band 12	5M	733 8	5058	2°2 MMO	17.	1	- A.E.	- X	7	20.73	26.97	21.5
A 2A-4A-12A	Band 4	20M	16QAM	1720	20050	1	99	4°4 MMO	Band 2	20M	1960	900	2*2 MIMO	Band 12	574	733.8	5058	212 MMO	1	- 1	1	1	1	20.96	21.21	22 0
ZA-4A-7A-12A	Band 2	20M	16GAM	1860	18700	1	-99	2.5 WWD	Band 1	20M	2132.5	2175	4°4 MIMO	Band 7	2014	2655	3100	2'2 MMO	Bard 12	-5M	733 8	5058	2*2 MIMO	20.69	20.97	21.5
2A-4A-7A-12A	Band 4	2014	16QAM	1720	20050	1	99	4'4 MMD	Band 2	20M	1960	900	2°2 MIMO	Band 7	201/	2655	3100	2°2 MMO	Band 12	- 5M	733.8	5058	2°2 MIMO	21.01	21.21	22.0
2A 4A 7A 12A	Band 7	20M	15QAM	2510	20850	1.	50	2'2 MMO	Bland 2	20M	1960	900	2°2 MIMO	Band 4	20M	2132.5	2175	4°4 MMO	Band 12	5M	733.8	5056	2°2 MIMO	20.86	23.05	21.6

													pot on 10mm S	AR sensor o	aff)	-										
and observed				P	CC				-		5001			1		5007					SCC3	1-			rower(dBm)	
DL LTE CA Class	LTE Band	BW (MHz)	Modulation	Ut Freq (MHz)	UL. Channel	UL# RB	UL RH Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq (MHz)	DL. Channel	DI Anterma Configuration	LTE Band	BW (MHz)	DL Freq (MHz)	DL. Channe	DL Antenna Configuration	LTE Band	(MHz)	Dl. Freq (MHz)	DL Channel	DL Channel	1Vith DL 4'4 MIMO Tx.Power(dSm)	Without DL 4*4 MIMO Tx Power(dBm)	Time-us
CA_7C	Band 7	20M	QPSK	2510	20850	50	-50	4'4 MIMO	Band 7	20M	2649.8	3048	4°4 MIMO	-F	- 1	1	1	1	- /-	1	- /	1	1	17.70	17.58	18 60
CA ZA-IA	Band 2	20M	16QAM	1860	13700	-1	0	2°2 MIMO	Band 4	20M	2132.5	2175	CMW E.F.	1	-F	1.	-1	1	1.	1-	T.	1	1	18 69	18:85	19.00
CA_2A-4A	Band 4	20M	18QAM	1745	20300	1	0	4'4 MIMO	Band 2	20M	1950	900	2°2 MIMO	1	-1	- 1	1	-4	1	- y -	1	-3	- J	17.78	17.95	18.50
CA_2A-7A	Band 2	20M	16QAM	1990	18700	1	- 0	2°2 MIMO	Band 7	2014	2656	3100	4º4 MIMO	1	t	1-1-1	1	1 1	1	· 7	1	1.	1.	19.73	18.85	19.00
CA_ZA-TA	Band 7	20M	QPSK -	2510	20850	.50	50	4"4 MIMO	Band 2	20M	1960	900	Z*2 MIMO	- F	1	1	1	1	1	1	1	_P	- P	17.82	17.98	18.60
CA 4A-5A	Band 4	20M	16QAM	1745	20300	1	. 0	4"4 MIMO	Band 5	10M	881.5	2525	2.5 WWO	- 1	- J-	-1	-1	1	1	1	-1-	-1-	1-	17.80	17.95	18:50
CA 4A-7A	Band 4	20M	16QAM	1745	20300	1	0.	4"4 MIMO	Band 7	20M	2655	3100	4°4 MMO	1	11	1	1.	1	1	1	1.	1	1	17.81	17.95	18:50
CA 4A 7A	Band 7	20M	QPSK -	2510	20850	50	50	54 WIMO	Band 4	20M	2132.5	2175	4º4 MIMO	1		7.	1	1	1	X	. A		-7-	17.83	17.98	18.60
CA_4A-7C	Eland 4	20M	16DAM	1745	20300	1	0	4°4 MIMO	Band 7	-20M	2655	3100	4"4 MIMO	1	7	1		1	- 1	у.	1	7	1	17.81	17.95	111.50
CA 4A-7C	Band ?	20M	QPSK:	2510	20850	50	60	\$41 WIWC)	Band 4	.20M	2132.5	2175	CNMM I's	-1-	1	L	- 1	1	7-	1	1	-20	30	17.83	17.58	18.60
CA_4A-12A	Band 4	28M	16QAM	1745	20300	1	- 0	4'4 MIMO	Band 12	5M	737.5	5095	2°2 MIMO	1	1	1.	J.	1	1	1	1	1	1	17.81	17.95	18:50
CA 4A-12B	Band 4	20M	16QAM	1745	20300	4	0	4'4 MIMO	Band 12	1014	741	5130	212 MIMO	Band 12	5M	733.0	5058	2°2 MIMO	1	1.	1.	У.	J.	17.85	17.95	18.50
CA_5A-7A	Band 7	20M	QPSK	2510	20860	50	50	4"4 MIMO	Band 5	101/	881.5	2525	212 MIMO	1	7	1	-3	- 1	.1	1	1.7.	Α.	Y	17.82	17.98	18.60
CA_7A-12A	Band 7	20M	QPSK	2510	20850	50	-50	4°4 MIMO	Band 12	5M.	737.5	5095	2°2 MIMO	1	- 1	L.	1	-1	- 6	1	1	1	1	17.84	17.98	18.60
CA_2A-4A-5A	Band 2	20M	16QAM	1060	18700	- 1	0	2°2 MIMO	Band 4	20M	2132.5	2175	4'4 MIMO	Band 5	10M	881.5	2525	2°2 MIMO	1	- 1	1	1	1	18.66	19.85	19.00
CA ZA-IA-SA	Band 3	20M	16QAM	1745	20300	-1	. 0	4"4 MIMO	Band 2	20M	1960	900	2°2 MMO	Band 5	10M	861.5	2575	2°2 MIMO	- 1	1	1	_1//	- K	17.73	17.95	18.50
CA 2A-IA-7A	Band 2	20M	16QAM	1860	18700	1	0	2*2 MIMO	Band 4	20M	2132.5	2175	4°4 MMO	Band 7	20M	2655	3100	4r4 MIMO	1.	1	1.	1	1	18,73	18.85	19.00
CA_2A.4A.7A	Band 4	20M	16QAM	1745	20300	1	0	414 MIMO	Band 2	20M	1960	900	2*2 MIMO	Band 7	20M	2655	3100	4°4 MIMO	1	1	1	J-	1	17.82	17.95	18.50
CA 2A-4A-7A	Band 7	20M	QPSK	2510	20850	50	50	4*4 MIMO	Band 2	20M	1960	900	2°2 MIMO	Band 4	20M	2132.5	2175	4°4 MIMO	1	1	1.	1	1	17.85	17.98	18.60
CA 2A-1A-12A	Band 2	20M	16QAM	1860	13700	7.1	0	2*2 MIMCL	Band 4	.20M	2132.5	2175	GMM P.P.	Band 12	5M	733 B	5058	2°2 MIMO	- N- 1	. 1	1	- 1	1	18 69	18.85	19 00
TA 2A-4A-12A	Band 4	20M	16QAM	1745	20300	1	0	4'4 MIMO	Band 2	20M	1960	900	2*2 MIMO	Band 12	5M	733.8	5058	2*2 MIMO	- 1	1	1.	- 1		17.77	17.95	18.50
A 2A.4A.7A.12A	Band 2	20M	16QAM	1863	18700	1	0	2°2 MIMO	Band 4	20M	2132.5	2175	4/4 MMO	Band 7	20M	2655	3100	2*2 MIMO	Band 12	5M	733.8	5058	2°2 MMO	18.71	18.85	19.00
2A-1A-7A-12A	Band 4	20M	TEQAM	1745	20300	- 4	D	4'4 MIMO	Band 2	20M	1960	900	2°2 MMO	Band 7	20M	2655	3100	2°2 MIMO	Band 12	5M	733.2	5058	212 MMO	17.79	17.95	18.50
A 2A-4A-7A-12A		20M	QPSK	2510	20850	50	-50	2°2 MIMO	Band 2	20M	1960	900	2°2 MIMO	Band 4	20M	2132.5	2175	414 MIMO	Band 12	5M	733.8	5058	2°2 MIMO	17.83	17.98	18.60



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

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				P	00						SCC1					5CC2					SCCI				(mBb)newor	
Class	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	Channel	UL# RB	UL REI Offset	DL Anterma Configuration	LTE Band	(MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	(MLA) BM	DL Freq. (MHz)	DL. Channel	DL Artenna Configuration	LTE Band	EW (MHz)	DL Freq. (MHz)	DL. Channel	DL Channel	With DL 4*4 MIMO Tx Poweridam)	Without DL 4*4 MWO Tx Power(dBm)	Типе-ир
CA_7C	Band 7	20M	QPSK	2610	20850	50	Ü	4°4 MMO	Band 7	- 20M	2649.8	3048	4'4 MIMO		- 1	1	1	1	- /	1	1	1.	1.	16.31	15.52	15.60
CA_ZA-4A	Band 2	20M	16QAM	1860	18700	1	-99	2°2 MIMO.	Band 4	20M	2132.5	2175	4'4 MIMO	11	1	+.	1.	1	1	1.1	1.	- 1	· - y	15.73	15.94	16.50
CA_ZA-4A	Band 4	.70M	15QAM	1745	20300	1	0	4°4 MIMO	fland 2	20M	1960	900	2°2 MIMO	-1	1	- 1:		- 1	γ.	7	1	- 1	1	16 03	15 21	16.50
CA 2A-7A	Band 2	20M	16QAM	1860	18700	-1	99	2'2 MIMO	Band 7	20M	2655	3100	414 MMO	-1-	-1	1	1.	1	. V.	1.	1	T)		15.83	15.94	16.50
CA 2A-7A	Band 7	20M	QPSK.	2510	20850	50	0	4°4 MIMO	Band 2	20M	1960	900	2°2 MIMO	-1	-1	- F	- 1	1	1	1.	1.	1.	'. T.	15 39	15.52	15.60
CA 4A-5A	Band 4	20M	MADRI	1745	20300	1	0	4°4 MIMO	Fland 5	10M	881.5	2525	212 MIMO	-1-	-1	1.	1	f	- 7	1	1	1.	1.	16.05	15.21	16.50
CA 4A-7A	Band 4	20M	16QAM	1745	20300	.1.	0	4°4 MIMO	Band 7	2064	2655	3100	4'4 MMO	(-7	1.	- 1	- 4	+	1	1	- 1	1	16.00	16.21	16.50
CA 4A-TA	Band 7	20M	QPSK	2510	20850	50	0	4°4 MIMO	Band 4	20M	2132.5	2175	4'4 MIMO	1-	1	1	7	-1	- A -	1	- h	-1	1 -4 -	15.38	15.52	15.60
CA 4A-7C	Band 4	20M	15QAM	1745	20300	1	ā	4°4 MIMO	Bland 7	20M	2655	3100	4'4 MIMO	1	-1	- (1	1	1	y	1	- 1	- 7	16.00	15.21	16.50
CA 4A-7C	Band 7	20M	QPSK	2510	20850	50	Ú	4°4 MIMO	Band 4	.20M	2132.5	2175	4r4 MIMO	-F	- f:	1	L	1	1	1.	1	0	90	15.38	15.52	15.60
CA_4A_12A	Band 4	20M	16QAM	1745	20300	1	D	4*4 MIMO	Band 12	5M.	737.5	5095	2°2 MIMO	100	1	16.	1.	1	1	1.	1	1	10	16.01	15.21	16.50
CA 4A-12B	Band 4	20M	16QAM	1745	20300	-1	0	4°4 MMO	Band 12	10M	741	5130	2.5 WIWO	Band 12	3M	733 8	5058	2°2 MIMO	- 1-	1.	- 1	-T.	-1-	15.99	15.21	16.50
CA SA-YA	Band 7	.20M	OPSK	2510	20850	50	0.	4"4 MMO	Band 5	10M	881.5	75.25	2°2 MIMO.	15	T	1.	-0,1	1	. N	¥-	1.	Υ	Α	15.41	15.52	15,60
CA 7A-12A	Band 7	20M	QPSK	2510	20850	50	0	4°4 MIMO	Band 12	5M	737.6	5096	2°2 MMO	- F	- £.	1	1	1	1	У.	1	7	T	15.44	15.52	15.60
CA 2A-4A-5A	Band 2	20M	16QAM	1860	10700	1.	99	2°2 MMO	Band 4	20M	2132.5	2175	4'4 MIMO	Band 5	MOS	881.5	2525	2°2 MIMO	- 1	1	1	1	1.	15,71	15.94	16.50
CA 2A-IA-5A	Band 4	20M	16GAM	1745	20300	1	0.	4"4 MIMO	Band 2	23M	1960	000	2°2 MIMO	Hand 5	10M	881.5	2525	2'2 MIMO	-1-	1	- V.	- V.	Y	16 01	15.21	16 50
CA_2A-4A-7A	Band 2	20M	15/QAM	1860	18700	1	99	2*2 MIND	Band 4	2004	2132.5	2176	4'4 MIMO	Band 7	20M	2655	3100	4'4 MMO	1.	1.		7.	1	15,73	15.94	16.50
CA 2A-4A-7A	Band 4	2014	16QAM	1745	20300	1	0	4°4 MMO	Band 2	20M	1960	900	2°2 MMO	Band 7	20M	2655	3100	4°4 MIMO	- 4	1	. X	1	V	16.03	15.21	16.50
CA 2A-4A-7A	Band 7	20M	OPSK	2510	20850	50	0.	4°4 MMD	Hand 2	-120M	1960	1900	2*2 MIMO	Band 4	20M	2132.5	2175	4N MIMO	- A	1. 1	- A	1.	Y.	15.27	15.52	15,60.
CA_2A-4A-12A	Band 2	20M	16QAM	1860	18700	1	99	2°2 MMO	Band 4	'20M	2132.5	2176	4"4 MIMO	Band 12	5M	733 B	5058	2°2 MMO	- V	- X	1	7	T	16,79	15.94	16.50
CA 2A 4A 12A	Band 4	2014	16QAM	1745	20300	1	ū	4*4 MIMO	Band 2	- 50W	1960	900	2°2 MMO	Band 12	SM	733 B	5058	2°2 MIMO	-1	- 1	1	Y-	-h	16.06	15.21	16.50
A 2A-4A-7A-12A	Band 2	20M	16QAM	1860	18700	1	99	2*2 MMO	Hand-4	20M	2132.5	2175	4°4 MIMO	Band 7	20M	2655	3100	2.5 WIWD	Band 12	5M	733.8	5058	2'2 MMO	16.70	15.54	16.50
A 2A 4A 7A-12A	Band 4	20M	16QAM	1745	20300	1.1	Ü	4°4 MIMO	Band 2	20M	1960	900	2°2 MIMO	Band 7	20M	2655	3100	2°2 MIMO	Band 12	5M	733.8	5058	2°2 MIMO	16.01	16.21	16.50
A 2A 4A-7A-12A	Band 7	20M	QPSK	2510	20850	- 50	0	2°2 MMO	Band 2	20M	1960	900	2°2 MMO	Bland 4	20M	2132.5	2175	4°4 MIMO	Band 12	-5M	733.0	5058	2.5 MINO	15.25	15.52	15 60

					74							SAR sense	or on Javel D1+	Will Hotspot	an						-					
2017 Sec. V				P	CC		,				5001			1965		SCCZ		V =			SCC3				Ower(dBm)	
DL LTE CA Class	LTE Band	BW (MHz)	Modulation	UL Freq (MHz)	LL Channel	ULF RB	UL RS Offset	DL Amenna Certiqueston	LTE Band	BW (MHz)	Dt. Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	El. Channa	DL Antenna Configuration	LTE Band	EW (MHz)	OL Freq (MHz)	DL Chamel	DL Channel	With DL 4*4 MIMO Tx.Power(deim)	Without DL 4*4 MMO Tx Power(dBm)	Tune-up
CA 7C	Band 7	20M	16QAM	2560	21350	1	50	4.4 WINO	Band 7	20M	3152	2660.2	44 MIMO	1-1-	-1-	1	1	1	1	. 1	- 1	71	1	14 68	14.97	15 10
CA_2A.4A	Band 2	20M	16QAM	1860	18700	1.	99	2°2 MIMO	Band 4	20M	2132.5	2175	4°4 MIMO	- 1	1	1.	1.	1	1.	1	. A.	1.	-A-	15,73	15.94	16.50
CA ZA-4A	Band 4	20M	16QAM	1745	20300	1	Û	4.4 WWO	Band 2	2064	1960	900	2°2 MIMO	- 1	-3	F	1.	1	1.	F	1	3	7.	16.03	16.21	16.50
CA 2A-7A	Band 2	20M	16QAM	1860	18700	1	99	2°2 MMO	Band 7	- 20M	2655	3100	4"4 MIMO	- 1	- 1	1.	1	1		1.	1		1	15.88	15.94	16.50
CA_ZA-TA	Band 7	20M	QPSK	2510	20850	1	50	4*4 MIMO	Band 2	20M	1960	900	2°2 MIMO	1	1.	1.	. f.	1	Α	1.7/	- 1			17.01	17.11	17.60
CA 4A-6A	Band 4	2011	MACH!	1745	20300	1	0	4°4 MMO	Dand 5	1064	881.5	2525	2°2 MMO		1	1	1	1	4	y-	1	-0	-0	16.04	15.21	16.50
CA 4A-7A	Band-4	20M	16QAM	1745	20300	1	0	4"4 MIMO	Band 7	20M	2665	3100	4°4 MIMO	1	-1	1	1	1	1	1	1	_ V.	- 1	15.03	16.21	16.50
CA 4A-7A	Band 7	20M	QPSK	2510	20850	1	50	4°4 MIMO	Band 4	20M	2132.5	2175	4°4 MIMO	1	1	1.	- f.	1	1	1	- F.	7.	1.	17.00	17.11	17.60
CA 4A-7C	Band 4	20M	15QAM	1745	20300	-1	п	4°4 MIMO	Band 7	20M	2655	3100	4'4 MIMO	- 1	-7	F.	-1	- 4	4	1	- 1	7	7	16.03	15.21	16.50
CA 4A-7C	Band 7	20M	QPSK	2510	20850	1	50	4°4 MIMO	Band 4	20M	2132.5	2175	4°4 MIMO	1	F	1	1	1	1	y.	1.	1	- y	17.00	17.11	17:60
CA_4A-12A	Band 4	2014	16QAM	1745	20300	-1	0	4°4 MIMO	Band 12	SM	737.5	5095	2°2 MIMO	-1-	1-	T	1	V	- 1	1	1	-7-	1.	16.05	16.21	16.50
CA_4A-12H	Band 4	20M	15QAM	1745	20300	1	0	4"4 MMO	Band 12	1001	741	5130	2°2 MIMO	Band 12	5M	733 B	5058	2.5 WIWO	1	1	14.	-7.	-W	16 02	15 21	16.50
CA 5A-7A	Band 7	20M	QPSK	2510	20850	1	60	4°4 MIMO	Band 5	1064	881.5	2525	2°2 MMO	5h	1	-F	1	7	-1-	1	1 1	1.	7.	17.62	17:11	17,60
CA_7A-12A	Band 7	20M	QPSK	2510	20850	1	50	4.4 WINO	Eland 12	5M	737.5	5095	2*2 MIMO	1	1	1	.I	1	1	1	1	-1.	- 1.	16 98	17.11	17 60
CA ZA-IA-SA	Band Z	.20M	16QAM	1860	18700	1	99	2°2 MMO	Hand 4	20M	2132.5	2175	4"4 MIMCL	Band 6	TDM	881.5	2525	2:2 MMO		У.	1.	Α.		15.70	15.94	16.50
CA 2A-IA-5A	Band 4	20M	MAD51	1745	20300	1	0	4"4 MIMO	Band 2	2011	1960	900	2°2 MIMO	- Band 5	10M	881.5	2525	2°2 MMO	1	1	1	- 70	100	16,04	16.21	16.50
CA 2A4A7A	Band 2	20M	16QAM	1860	#8700	1	99	2°2 MMO	Band 4	- 20M	2132.5	2175	44 MIMO	Band 7	20M	2655	3100	4°4 MIMO	1	1	- Y	-W	10	15:74	15.94	16.50
CA ZA-IA-7A	Band 4	20M	MAQ21	1745	20300	1	0	4°4 MMO	Bland 2	20M	1960	900	2°2 MIMO	Band 7	20M	2655	3100	4°4 MIMO	1	1	1	7.	1	15.99	16 21	16.50
CA 2A-IA-7A	Band 7	20M	QPSK	2510	20850	1	50	4"4 MIMO	Band 2	2011	1960	900	2°2 MIMO	Band 4	20M	2132.5	2175	414 MIMO	- X -	1.	.h	1.	1.	16.87	17.11	17.60
CA 2A-4A-12A	Band 2	20M	16QAM	1860	18700	1	99	2*2 MIMO	Bland 4	20M	2132.5	2175	44 MIMO	Band 12	5M	733.8	5058	2°2 MIMO	1	7		1	-1.	15.78	15.94	16.50
CA 2A-4A-12A	Band 4	.20M	16GAM	1745	20300	1	0	4°4 MMD	Band 2	20M	1960	900	2°2 MIMO	Eland 12	5M	733 B	5058	2°2 MIMO	1	1	1 -	A	7	16.05	15.21	16.50
A 2A-4A-7A-12A	Band 2	20M	16QAM	1860	18700	1	99	2°2 MMO	Band 4	20M	2132.5	2175	4'4 MIMO	Band 7	20M	2655	3100	2°2 MIMO	Band 12	-5M	733.8	5058	2'2 MIMO	15,72	15.94	16,50
A 2A-4A-7A-12A	Band 4	20M	16QAM	1745	20300	-1	0	4'4 MIMO	Band 2	- 20M	1960	900	2°2 MIMO	Band 7	20M	2655	3100	2°2 MIMO	Band 12	5M	733.8	5058	2°2 MMO	15.97	16.21	16.50
A ZA-IA-7A-1ZA	Band 7	20M	QPSK.	2510	20850	1	50	2°2 MMO	Band 2	2001	1960	900	2°2 MMO	Band 4	20M	2132.5	2175	4'4 MIMO	Bland 12	556	733.8	5000	2°2 MMO	16.83	17.11	17.60



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

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4X4 MIMO Conducted Power of Second Antenna

4X4 MINIO Con	auctea F	ower o	Second	Antenn	a _			-	
			Rec	eiver on(Le	ft head)				
LTE Band	BW (MHz)	Modulat ion	Freq. (MHz)	Channel	UL# RB	UL RB Offset	With DL 4*4 MIMO Tx.Power (dBm)	Without DL 4*4 MIMO Tx.Power (dBm)	Tune-up
Band 4	20M	16QAM	1745	20300	1	50	20.71	20.86	21.00
Band 7	20M	16QAM	2560	21350	1	50	14.82	14.97	15.10
			Rec	eiver on(Rig	ht head)				
LTE Band	BW (MHz)	Modulat ion	Freq. (MHz)	Channel	UL# RB	UL RB Offset	With DL 4*4 MIMO Tx.Power (dBm)	Without DL 4*4 MIMO Tx.Power (dBm)	Tune-up
Band 4	20M	16QAM	1745	20300	1	50	18.41	18.58	19.00
Band 7	20M	QPSK	2560	21350	50	50	11.21	11.36	11.60
			Recei	ver off (Bod	y Scene)				
LTE Band	BW (MHz)	Modulat ion	Freq. (MHz)	Channel	UL# RB	UL RB Offset	With DL 4*4 MIMO Tx.Power (dBm)	Without DL 4*4 MIMO Tx.Power (dBm)	Tune-up
Band 4	20M	QPSK	1720	20050	1	99	22.48	22.63	23.50
Band 7	20M	16QAM	2560	21350	50	25	18.78	18.90	19.10
		Red	ceiver on(Le	ft head) +V	/iFi on/Hot	spot on			
LTE Band	BW (MHz)	Modulat ion	Freq. (MHz)	Channel	UL# RB	UL RB Offset	With DL 4*4 MIMO Tx.Power (dBm)	Without DL 4*4 MIMO Tx.Power (dBm)	Tune-up
Band 4	20M	16QAM	1745	20300	1	0	17.20	17.39	18.00
Band 7	20M	16QAM	2510	20850	50	50	13.44	13.56	13.60
		Rec	eiver on(Rig	ght head) +	WiFi on/H	otspot on	1		
LTE Band	BW (MHz)	Modulat ion	Freq. (MHz)	Channel	UL# RB	UL RB Offset	With DL 4*4 MIMO Tx.Power (dBm)	Without DL 4*4 MIMO Tx.Power (dBm)	Tune-up
Band 4	20M	16QAM	1745	20300	1	0	15.31	15.46	16.00
Band 7	20M	16QAM	2510	20850	1	99	9.89	10.08	10.10
		Rece	eiver off (Boo	dy Scene)+	WiFi on/H	otspot or			
LTE Band	BW (MHz)	Modulat ion	Freq. (MHz)	Channel	UL# RB	UL RB Offset	With DL 4*4 MIMO Tx.Power (dBm)	Without DL 4*4 MIMO Tx.Power (dBm)	Tune-up
Band 4	20M	16QAM	1720	20050	1	0	19.77	19.89	20.50
Band 7	20M	16QAM	2510	20850	50	50	17.01	17.18	17.60

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

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													leceiver on/Left	head)												
C100000					CC	_					SCC1				_	5CC7				_	SCC3				Power(dBm)	
Class	LTE Band	(MHz)	Madulation	UL Fried (MHz)	LII. Channel	UL# RB	UL RB Offset	Congulation	LTE Bland	(parse)	DL Freq (MHz)	Dt. Channel	Dt Antenna Configuration	LTE Band	(MHz)	OL Freq. (Mitz)	Di. Channe	DL Antenna Configuration	LTE Band	(MHz)	DL Freq (MHz)	DL Channel	DL Channel	With DL 4*4 MIMO Tx Fower(dSm)	Viithout DL 4*4 MIMO Tx Power(dBm)	Tune-op
CA_7C	Band 7	20M	16QAM	2560	21350	1.	50	414 MIMO	Band 7	2014	3152	2660 2	4'4 MIMO	1	1	17/17	11	1-	1	. 6	1	-1-	1	14.77	14.97	15.10
CA_ZA-IA	Band 2	20M	16QAM	1900	19100	1	0	2°2 MIMO	Band 4	20M	2132.5	2175	4°4 MMO	- 1	1	1	1	1	1	- 1.	1	1	1	19.13	19.38	19.50
CA ZA 4A	Band 4	20M	16QAM	1745	20300		50	4'4 MIMO	Band 2	20M	1960	900	2°2 MIMO	1	1	· to	1	1	1.0	f	1	1	1	20.71	20.86	21.00
CA_2A-7A	Band 2	2014	16QAM	1900	19100	1	.0	2°2 MIMO	Band 7	20M	2665	3100	4'4 MMO	1	-1	1	1	1	1	- 1	1	1	-1	19 22	19:38	19.50
CA ZA-7A	Band 7	20M	16QAM	7580	21350	-1	50	4'4 MIMO	Band 2	2014	1980	900	- 212 MIMO	1	- L	1.	1		1	1	1	-1-	-7	14.81	14.97	15.10
CA 4A-5A	Band 4	20M	16QAM	1745	20300	1 :	55	4'4 MIMO	Band 5	10M	881.5	2525	212 MIMO	1.	1.	-7-	1.	1.	1.	6	1	1	=1-	20.77	20.86	21.00
CA 4A-5A	Band 5	10M	16QAM	844	20600	- 1	0	2°2 MIMO	Band 4	20M	2132.5	2175	4'4 MIMO	1	1	1	1.	1	1	1	1	1	-1	21.55	21.60	22.00
CA_4A-7A	Band 4	20M	16QAM	1745	20300	1.4	50.	414 MIMO	Band 7	20M	2655	3100	414 MIMO	1	-1/	1	- 1	.1	1	- 6	1	7	1	20.71	70.86	21.00
CA 4A-7A	Band 7	20M	16QAM	2560	21350	1 1	50	4"4 MIMO	Band 4	20M	2132.5	2175	4°4 MIMO	1	1	1	1 fr	1	1	1	t.	- 1	X-	14.79	14.97	15.10
CA_4A-7C	Band 4	20M	16QAM	1745	20300	1	50	4°4 MIMO	Band 7	20M	2665	3100	4*4 MIMO	1	1	-7	- 1	-1	I	- (1-	-1	-1-	20.71	20.86	21 00
CA 4A-7C	Band 7	20M	16QAM	7560	21350	1	50	424 MIMO	Band 4	20M	2132.5	2175	4'4 MMO	1	1	1		1.0	1	1.	- 1	-7	-7	14.79	14-97	15.10
CA 4A-12A	Band 4	20M	16QAM	1745	20300	1	-50	4º4 MIMO	Band 12	5M	737.5	5095	2°2 MMO	. /.	1	7	- I	7	- 1	1 -	1	1	-1	26 68	20.85	21 00
CA 4A-12B	Band 4	20M	16QAM	1745	20300	- 1	50	4,4 WWQ	Band 12	10M	741	5130	2°2 MMO	Band 12	5M	733.8	5058	2°2 MIMO	1	6	1	1	1	20.72	20.86	21.00
GA_SA-7A	Danid 5	1014	10QAM	844	20000	1.	0	2°Z MIMO	Dand 7	2014	7055	3100	414 MMO.	1	1	7		1		- 7	1	7	7	21.43	71.00	72 00
CA SA-7A	Band 7	2014	16QAM	2560	21350	1.	50	414 MMO	Band 5	10M	881.6	2525	2°2 MMO	- l- :	- 1	1	1	- 1-	. 1	f	-4	-1	-1	16.82	14.97	15.10
CA 7A 12A	Band 7	20M	16QAM	2560	21350	1	50	4°4 MIMO	Band 12	5M	737.5	5095	2°2 MMO	1	-7	1.1	1	1		- 6	1	-1	-1	14.88	14 97	15.70
GA 7A-12A	Band 12	SM	16QAM	713.5	21155	. 1 .	24	2°2 MIMO	Band 7	20M	2655	3100	4°4 MIMO	1	7	1	1.	1	1	1.	1	7	-7	22 63	22 29	22:40
CA 2A-4A-5A	Band 2	20M	16QAM	1900	19100	3	0	2°2 MIMO	Band 4	20M	2132.5	2175	4'4 M950	Band 5	10M	881.5	2525	2°2 MMO	- 1	1	- 1	-1	-1	19.31	19.38	19.50
CA 2A-4A-5A	Band 4	20M	16QAM	1745	20300	1	50	414 MIMO	Band Z	20M	1960	900	2°2 MMO	Band 5	1000	881.5	2525	2*2 MIMO	-1	1.1	- 1	1	-1	20.77	20.85	21.00
CA 2A-4A-5A	Band 5	10M	16QAM	344	20600	-1	0	2°2 MIMO	Band 2	20M	1960	900	2°2 MIMO	Band 4	20M	2132.5	2175	4°4 MIMO	1	1	1	1	=/:	21.47	21.60	22.00
CA 2A-4A-7A	Band 2	2014	16QAM	1500	19100	1 .	. 0	2°2 MIMO	Band 4	20M	2132.5	2175	4"4 MINO	Band 7	26M	2655	3100	4°4 MIMO	1	1.	1	7	-1-	19.13	19.38	19:50
CA 2A-4A-7A	Band 4	20M	16QAM	1745	20300	1	50	4°4 MIMO	Band 2	20M	1960	900	2*2 MMO	Band 7	20M	2655	3100	4°4 MIMO	1	1	1.	-1	-4	20.71	20.86	21.00
CA 2A-4A-7A	Band 7	20M	18QAM	2560	21350	-1	50	414 MIMO	Band 2	20M	1960	900	2°2 MIMO	Band 4	20M	2132.5	2175	4°4 MIMO	1	1.	1	7	-7-	14.79	14 97	15 10
CA 2A-4A-12A	Band 2	20M	16QAM	1900	19100	1	0	2°2 MIMO	Band 4	20M	2132.5	2175	4"4 MMO	Band 12	5M	733 8	5058	2°2 MIMO	1	1.	1.	1	-1	19.25	19.35	19 50
CA 2A-IA-12A	Band 4	20M	16QAM	1745	20300	- 1	50	4°4 MIMO	Band 2	20M	1960	900	2°2 MMO	Band 12	5M	733.8	5058	2°2 MIMO	7.	- 6	1	1	-1-	20.73	20.86	21.00
CA 4A-7A 12A	Band 4	20M	16QAM	1745	20300	.1	50	4'4 MIMO	Band 7	20M	2655	3100	414 MIMO:	Band 12	5M	733.8	5058	2°2 MIMO	1.7	1	7	7	7	20.73	20.86	21.00
CA 4A-7A-12A	Band 7	20M	16QAM	2560	21350	- 1	50	4"4 MIMO	Band 4	20M	2132.5	2175	4°4 MIMO	Band 12	SM	733.8	5058	2°2 MMO	1	f	1	-1	-1-	14.76	14.97	15.10
CA 4A-12A-12A	Band 4	20M	16QAM	1745	20300	1	50	414 MIMO	Band 12	SM	733.8	5058	2°2 MMO	Band 12	-5M	733.8	5058	2°2 MIMO	1	1	1	1	1	20.71	20.86	21.00
A 2A-4A-7A-12A	Band 2	20M	16QAM	1900	19100	1	0	2°2 MIMO	Band 4	20M	2132.5	2175	4'4 MIMO	Bland 7	20M	2655	3100	2°2 MIMO	Band 12	5M	733.8	5058	2*2 MMO	19.11	19:36	19.50
A 2A-4A-7A-12A		2014	16QAM	1745	20300	- 1	50	4'4 MIMO	Band 2	20M	1960	900	2°2 MMO	Band 7	2014	2655	3100	2°2 MMO	Band 12	514	733 8	5058	2'2 MMG	20.68	20.86	21.00
A 2A-4A-7A-12A		2014	16QAM	2560	21358	1	50	2°2 MIMO	Band 2	2014	1960	900	2°2 MMO	Band 4	20M	2132.5	2175	4°4 MIMO	Band 12	5M	733 8	5058	2°2 MIMO	14.75	14.97	15 10

													ecener uniffligh	(head)												
				P	OC.						-8001		1			SCC2					9003				Power(dBm)	
Class	LTE Band	EW (WHz)	Modulation	UL Freq (MHz)	UL Channel	UL# RB	UL RB Offset	DL Artenna Configuration	LTE Band	(MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL: Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	OL. Channel	DL Channel	With DL 4'4 MMO Tx Power(dBm)	Without DL 4*4 MIMO Tx Prover(s@m)	Tyrre-up
CA_7G	Band 7	20M	QPSK	2550	21350	30	-50	4°4 MIMO	Band 7	20M	3152	2660.2	4'4 MIMO	1	1	1.	1	V	- /	- V		1	1	11.12	11.36	11.60
CA_2A4A	Bood 2	20M	MAD91	1860	18700	1	99	2*2 MMD	Band 4	20M	2132.5	2175	4°4 MIMO	-,6	I.	- 1	1	-1	-J.	1	- F.	- X	1.	17.73	17.99	18.00
CA_2A-4A	Bland 4	20M	16QAM	1745	20300	1	50	4'4 MIMO	Bland 2	20M	1960	900	2°2 MIMO	1	-Y	- 1	1	Y	- (1)	1	- £ -	- 7	1	18.38	18.58	19.00
CA ZA-7A	Band 2	20M	MADSI	1860	18700	- 1	99	2'2 MMO	Band 7	- 20M	2655	3400	4'4 MIMO	- 1	1	1	1	1	1	1	- 1	T.	- 1	17.71	17.99	18 00
CA 2A-7A	Band 7	20M	QPSK	2560	21350	50	50	4°4 MMO	Band 2	20M	1960	900	2°2 MIMO	1	1	1	-1	- Yi	-1-	-1-	1	1	1	11.28	11.36	11.60
CA 4A-5A	Band 4	20M	16QAM	1745	20300	1	50	4/4 MMO	Band 5	10M	881.5	2626	2*2 MIMO	1	7	1	1.	1	1	1.	- 1	1	1	18.41	18.58	19.00
CA 4A-5A	Band 5	1014	MAD31	829	20450	1	49	2'2 MMO	Band 4	20M	3132.5	2175	4"4 MIMO	F	1.	- 1	1	1	- 1	1	1.	1.	1	20.76	20.99	21.50
CA 4A-7A	Band 4	20M	16QAM	1745	20300	1	50	4*4 MIMO	Band 7	- 20M	2655	3100	4°4 MIMO	-,B	1	1	-1	-V	.1	- 3	-1.	1	1	18.44	18.58	19.00
CA 4A-7A	Band 7	20M	QPSK	2560	21350	50	50	4'4 MMD	Band 4	- 20M	2132.5	2175	4°4 MIMO	f.	1	1	4	1	- 47	1	- 6	7.	7	11.21	11.36	11 60
CA 4A-7C	Band 4	20M	16QAM	1745	20300	1	50	4°4 MIMO	Band 7	20M	2655	3100	4°4 MIMO	1	1	- 1	1	11	-1	-1	1	- 1	1	15.44	18.58	19.00
CA 4A-7C	Bend 7	20M	QPSK	2560	21350	50	50	4°4 MMO	Band-4	20M	2132.5	2175	414 MIMO	1	11.	- 1	1	1	1	1	V	1	1	11.21	11.36	11.60
CA 4A-12A	Band 4	20M	16QAM	1745	20300	1	50	4°4 MMO	Band 12	5M	737.5	5095	2°2 MMO	1	1	- 1	1	1	- 1:	- 1	- 1.	1	1	18.39	18.58	19.00
CA 4A 12B	Band 4	-20M	16QAM	1745	20300	1-1-	50	4.4 MIMO	Band 12	10M	741	E130	2°2 MIMO	Band 12	5M	733.8	5058	2*2 MMO	F	7	1	-1.	7.	18.43	18.58	19.00
CA SATA	Dand S	1004	16QAM	829	20450	- 6	49	2°2 MMO	Dand 7	2064	2056	3100	4"4 MIMO	6	7.	- 7	1	-6.	1	1	1	1.	1	20.00	20.99	21.50
GA 5A-7A	- Band 7	20M	QPSK	2560	21350	-50	50	4°4 MMO	Band 5	100%	881.5	2525	2.3 MIMO	1	4	1	1	1	1	9-	- P	1	4	11.31	11 36	1160
CA 7A-12A	Band 7	20M	QPSK	2560	21350	50	50	4'4 MMO	Band 12	5M	737.5	5095	2*2 MIMO	1	1	- 1	- 1	1.1.	1	1	1	- 8	1	11:35	11 36	11.60
CA 7A-12A	Band 12	5M	16QAM	701.5	23035	1	0	2'2 MMO	Band 7	20M	2665	3100	4'4 MIMO	1	1	1	1	1	1	1	1	1	1	21.63	21.79	22.00
CA 2A-1A-5A	Band 2	20M	16QAM	1860	18700	1	99	2'2 MMO	Band 4	20M	2132.5	2175	4°4 MIMO	Band 5	TOM	2215	2525	2°2 MMO	1		11	- 7	1	17.83	17.99	18 00
CA 2A-IA-SA	Band 4	20M	16QAM	1745	20300	1.	50	4º4 MIMO	Band 2	20M	1960	900	2°2 MIMO	Band 5	10M	881.5	2525	2°2 MMO	- 1	- 1	-1-	- 1 -	1	18.41	18.58	15.00
CA 2A-4A-SA	Band 5	10M	16QAM	829	20450	1	49	2°2 MMO	Band 2	20M	1960	900	2°2 MIMO	Band 4	20M	2132.5	2175	414 MIMO	= 16	- 1	11	7	7	20.76	20.99	21.50
CA 2A-4A-7A	Band 2	2014	16QAM	1860	18700	1	99	2'2 MMO	Band 4	20M	2132.5	2175	4"4 MIMO	Band 7	20M	2666	3100	4°4 MMO	7-	1	1	1	1	17.75	17.99	16.00
CA 7A-1A-7A	Band 4	20M	16QAM	1745	20300	1	60	4°4 MMD	Band 2	20M	1960	900	2°2 MIMO	Band 7	2014	2665	3100	4º4 MMO	1	1	-7-	- 1	1	18.45	18.58	15 00
CA 2A4A7A	Band 7	20M	QPSK	2560	21350	50	50	4'4 MMO	Band 2	20M	1960	900	2°2 MIMO	Band 4	201/	2132.5	2175	4°4 MIMO	1	1	3/	1	1	11.09	11.36	11.60
GA 2A-4A-12A	Band 2	20M	16QAM	1860	18700	-1	99	2°2 MMO	Band 4	20M	2132.5	2175	4°4 MIMO	Band 12	514	733 B	5058	2'2 MIMO	- 1		-7	1	1	17.86	17.99	18 00
CA 2A-IA-12A	Band 4	20M	MAD51	1745	20300	1	60	4°4.MMO	Hand 2	20M	1960	900	2°2 MIMO	Band 12	5M	733.8	505E	212 MIMO	-1	-	1	7	1	18.40	18.68	19.00
CA 4A-7A-12A	Band 4	20M	16QAM	1745	20300	1	50	4'4 MMO	Band 7	- 20M	2655	3100	4°4 MIMO	Band 12	5M	733.8	5058	212 MIMO	- 40	1	-1	7	7	18.43	18 58	19.00
CA 4A-7A-12A	Band 7	20M	QPSK.	2560	21350	50	50	4°4 MIMO	Band 4	20M	2132.5	2175	4°4 MIMO	Band 12	5M	733.8	5058	2°2 MIMO	1	1	-7	- 4	1	11.20	11.36	11.60
CA 4A-12A-12A	Band 4	2014	16QAM	1745	20300	1	50	411 MMO	Band 12	5M	733.6	5058	2°2 MIMO	Band 17	5M	733.6	5058	2*2 MMO	1	-1	-1	- 1	1	15.44	10.58	19.00
CA 2A-4A-7A-12A		20M	16QAM	1860	18700	1	-99	2'2 MMO	Band 4	20M	2132.5	2175	4°4 MIMO	Band 7	20M	2656	3100	2'2 MIMO	Band 12	5M	733.8	5058	2°2 MIMO	17.72	17.99	18.00
CA 2A-4A-7A-124		20M	16QAM	1745	20300	1	50	4'4 MIMO	Band 2	20M	1960	900	2°2 MIMO	Band 7	20M	2666	3100	2*2 MIMO	Band 12	5M	733.8	5058	2°2 MIMO	18.44	18.58	19.00
DA ZA-4A-7A-12A	-	20M	QPSK	2560	21350	50	100	2'7 MMD	Band 2	20M	1960	900	2°2 MMO	Band A	20M	2132.5	2175	4'4 MMO	Band 12	5M	733 11	5058	2°2 MIMO	11.00	11.36	11 60
A STATE OF THE PARTY OF THE PAR	The second second		- c. c.	F-104	6.000	1 -4		I e c mont	Termitic at			200	I e c summer	- condition	2.00	C 1-05 -2	e 11-2	I -d -d restriction	Comment of the	Jan	7.002.00	11200	T. e. e. sumares	.1.00		1

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

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Class	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UE Channel	UL# RE	UL REI Offset	DL Antenna Configuration	ITE Band	BW (MHz)	DL Freq. (MHz)	DL Charmel	DL Amenia Configuration	LTE Band	EW (MHz)	DL Freq (MHz)	DL: Channel	DL Antenna Configuration	LTE Band	EW (MHz)	DL Freq (MHz)	DL Channel	DL Channel	With DL 4"4 MMO Tx Power(dBm)	Without DL 4'4 MIMO Te Power(dBm)	Tune-up
CA_7C	Band 7	20M	16/JAM	2550	21350	50	- 25	4'4 MMD	Band 7	20M	3152	2560.2	4°4 MIMD		7	1	1	-1-	- F.	1.		1	1.	18.69	111.50	19 10
CA 24-4A	Band 2	20M	16QAM	1860	18700	1	g -	2°2 MMO	Band 4	20M	2132.5	2175	414 MIMO	1	1	1	- F.	1	1	- 3	1	-1	I	22.68	22 93	23.00
CA_ZA-IA	Band 4	.20M	OPSK	1720	20050	1	99	CMIM F.F.	Band 2	50W	1960	900	2°2 MIMO	1	-1	1.	- 1:	1	1.	L	1	-1	-1-	22.43	22.63	23.50
CA_2A-7A	Band 2	:20M	16QAM	1860	18700	1	0	2°2 MMO	Band 7	20M	2655	3100	4°4 MIMO	1.	1	1	- 6	1	-1	- 6	1	1	1	22.81	22.93	23:00
CA 2A-7A	Band 7	20M	16QAM	2660	21350	50	25	4°4 MIMQ	Band 2	20M	1960	900	2°2 MIMO	-7	-1	1	1	1	1	I.	1	1	-1	19.88	18.90	19.10
CA 4A-5A	Band 4	20M	QPSK	1720	20050	1	35	4°4 MIMO	Band 5	10M	081.5	2525	2°2 MIMD	-1	1	1	1	7.	-1	L.	15	1	1:	22.51	22 63	23.50
CA_4A-5A	Band 5	10M	QPSK	829	20450	1 1	Ū	2'2 MMO	Band 4	20M	2132.5	2175	4'4 MIMO	1	1.	-1	1.	1	1	1	1	1	T-	23.04	23,14	24.00
CA 4A-7A	Band 4	-20M	QPSK	1720	20050	1	99	414 MIMO	Band 7	20M	2655	3100	4'4 MIMO	7	1	1	- 1	1	1	1	- 1	1.5	-10	22 55	22.63	23.50
CA 4A/TA	Band 7	20M	16QAM	2560	21350	50	25	4°4 MIMO	Band 4	20M	2132.5	2175	4°4 MMCC	1	1.	1.	1.	7.	1	1	V	1	70	16.78	16.90	19 10
CA 4A-70	Band 4	20M	OPSK	1720	20050	1	99	4"4 MMO	Band 7	20M	2655	3100	4°4 MiMO	1	1	- V:-	1-	1-	1.	1.	- 7	- f	- F	22.55	22 63	23.50
CA 4A-7C	Band 7	20f/J	16QAM	2560	21350	50	25	4"4 MMO	Band 4	20M	2132.5	2175	4°4 MIMO	1	1	1	.1	1	1	I I	1	1	F	18.78	18.90	19.10
CA 4A 12A	Band 4	20M	QPSK	1720	20050	1	99	4"4 MMO	Band 12	5M.	737.5	5095	2°2 MIMO	1	1	1	1	7	1.	1:	1	1	1	22 52	22.63	23.50
CA 4A-12B	Band J.	20M	QPSK.	1720	20050	-1	99	474 BMMO	Band 12	10M	741	5130	2°2 MMC	Band 12	Mě	733.8	8808	2°2 MMO	1	1.0	1	1	-F	22.55	22.63	23.50
CA SA-TA	Bard 5	1004	QP8K	829	20450	-1-	9	2°2 MIMO	Band 7	2004	2655	5100	4'4 MIMO		-7	7	1	1	7.	- 1	- V. T.	-,0		23.01	23.14	24.00
CA_SA-7A	Band 7	.20M	16QAM	2560	21350	50	25	4°4 MIMO	Band 5	10M	881.5	2525	2°2 MIMO	1.	1.	1.	1	1.	1	1	-7	1	-J.	18.73	18.90	19.10
CA 7A-12A	Band 7	-20M	16QAM	2560	21350	-50	75	4°4 MMO	Band 12	5M	737.5	5095	Z'2 MIMO	- 1	1	1	1	1	1	1	9.	1	1	18.71	10.90	19.10
CA_7A-12A	Band 12	-BM	QPSK.	713.5	23155	1	24	2°2 MMO	Band 7	20M	2655	3100	OMIM 1-8	1	-1	1.	1	1	-1-	1	1	1-1	-1	23.26	23:48	24.00
CA_2A4A.5A	Band 2	20M	16QAM	1860	18700	1.	0	2°2 MMO	Bard 4	- 20M	2132.5	2175	4'4 MIMO	Band 5	1001	881.5	2525	2°2 MMO	'A.	1.	1	1	-/-	22.61	22.93	23.00
GA_2A-4A-5A	Band 4	140S	QPSK	1720	20050	1	99	414 MMO	Band 2	20M	1960	900	5.5 WIWO	Band 5	1001	861.5	2525	2'2 MMO	1	1	1	-F	-P	22.42	22 63	23.50
CA 2A-4A-5A	Band 5	10M	QPSK	829	20450	1	- D	2°2 MMO	Band 2	20M	1960	900	2°2 MIMO	Band 4	-20M	2132.5	2175	44 MMO	1	1	1	1	-0/1	23.00	23 14	24 00
CA 2A-4A-7A	Band 2	.20M	16QAM	1860	18700	1	.0:	2°2 MMO	Band 4	20M	2132.5	2175	4"4 MIMO	Band 7	20M	2655	3100	4°4 MIMO	- (- V -	1	- £	22.79	22.93	23:00
CA 2A-4A-7A	Band 4	20M	QPSK	1720	20050	1	99	4°4 MIMO	Band 2	20M	1960	900	2°2 MIMO	Band 7	20M	2655	3100	44 MIMO	1	1.	1	F	1	22.51	22.63	23.50
CA 2A-IA-7A	Band 7	20M	16QAM	2550	21350	80	25	4'4 MMO	Band 2	20M	1960	900	2°2 MMO	Band 4	:50M	2132.5	2175	4'4 MMO	-1	1.	15	1	11	18.81	18 90	19.10
CA 2A-4A-12A	Band 2	20M	16QAM	1860	18700	1 1	0	2'2 MMO	Band 4	20M	2132.5	2175	4'4 MIMO	Band 12	5M	733.6	5058	2°2 MMO	- 6	1	1.	1	- F	22.64	22.93	23.00
CA 2A-4A-12A	Band 4	2014	QPSK	1720	20050	1	99	414 MM/60	Band 2	20M	1960	900	2°2 MIMO	Band 12	SM	733.8	5058	2*2 MIMO	γ.	1	1	-F	1	22.44	22.63	23.50
CA 4A-7A-12A	Band 4	20M	QPSK	1720	20050	1	99	474 MMO	Band 7	20M	3665	3100	414 MIMO	Hand 12	5M	733.0	5058	2'2 MMO	1	1	-1	1	1	22.52	22.63	73.50
CA 4A-7A-12A	Band 7	20M	16QAM	2560	21350	50	25	414 MIMO	Eland 4	20M	2132.5	2375	4"4 MMO	Band 12	5M	733.6	5058	2°2 MMO	1	1	1	-1	-1	18,74	18.90	19.10
A 4A 12A 12A	Band 4	20M	QPSK	1720	20050	1	99	4*4 MMD	Band 12	5M	733.8	5058	2°2 MIMO	Band 12	5M	733.8	5058	2*2 MIMO	- 1	1	- 1	1	1	22.53	22.63	23 50
A ZA-4A-7A-12	A Band 2	20M	16GAM	1860	18700	31	0	CMM 3.2	Eland 4	- 20M	2132.5	2176	454 MIMO	Bland 7	2014	2688	3100	2'2 MMO	Dand 12	1M	733.8	5050	2°2 MIMO	22.75	22.93	73.00
A 2A-1A-7A-12	A Band 4	201/1	DPSK	1720	20050	1	- 99	474 88950	Band 2	20M	1960	900	2°2 MMO	Band 7	20M	2665	3100	2°2 MMO	Band 12	588	733.8	5058	2°2 MIMO	22.48	22 63	23.50
A 2A-4A-7A-12	A Band 7	201/	16QAM	2560	21350	50	25	2'2'MMO	Band Z	20M	1960	900	2°2 MIMO	Blend 4	20M	2132.5	2175	4'4 MIMO	Bend 12	5M	733.8	5058	2'2 MIMO	18.76	18.90	19.10

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ed (merica)		_		P	CC	, ,					SCC1		-			SCC2	-				SCCI	1			Power(dBim)	-
Class	LTE Band	(MHz)	Modulation	UL Freq (MHz)	UL Channel	UL# RO	UL RS Ofisel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	DL Antenna Configuration	LTE Band	(MHz)	DL Freq. (MHz)	Dt. Charms	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	DL Channel	With DL 4°4 MIMO Tx Power(dBm)	Without DL 4'4 MMO Tx. Power(BBm)	Tune-up
CA_7G	Band 7	20M	16QAM	7510	20850	.50	50.	4°4 MIMO	Band 7	20M	2649.1	3048	4°4 MIMO	1.7.		1.	1	1	1	1		1.1	1	13.31	13.56	13 60
CA_2A-4A	Band 2	20M	16QAM	1860	18700	-1	g	2*2 MMO	Band 4	20M	2132.5	2175	4°4 MIMO	0.0	1		I.	3	1	1	-	1	1 6	15.79	16.08	16.50
CA_2A-4A	Band 4	-20M	16QAM	1749	20300	1	0	4°4 MMO	Band 2	20M	1960	900	2°2 MIMO	1.	17.	1	Α.	1	1.	- 1	- D-	1		17.06	17 39	10.00
CA 2A-7A	Band 2	26M	15QAM	1860	18700	1.	0	22 MMO -	Band 7	20M	2655	3100	4'4 MIMO	P.	- 1	20	1	1	1	1	-1	1	1	16.00	16 08	16.50
CA_2A-7A	Band 7	20M	16QAM	2510	20850	50	50	4"4 MIMO	Band 2	20M	1960	900	2°2 MIMO	1	- I		1	1	1	- 1	1	1	1 1	13.50	13.56	13 60
CA 4A-5A	Band 4	20M	16QAM	1745	20300	1	0	4*4 MMO	Band 5	10M	881.5	2525	2°2 MIMO	1	1	1	1	1	1	1	-	1.00	- 1	17.21	17.39	19.00
CA 4A-5A	Band 5	10M	16QAM	829	20450	1	П	2*2 MMO	Band 4	20M	2132.5	2175	4"4 MIMO	U.	1	-1	1	-1	1	- 1	- 1		- 1	17.66	17.82	19 00
CA 4A-7A	Band 4	20M	16QAM	1745	20300	1	0.	4°4 MIMO	Band 7	20M	2655	3100	4°4 MIMO	727	-1	-A.	-CA	.1	1	- Y -	1	1		17.31	17.39	18.00
CA 4A-7A	Band 7	.20M	16QAM	2516	20850	50	50	414 MMO -	Band 4	.20M	2132.5	2175	414 MIMO	1	-1-	1	1	1	-1-	_f	1.	100	1	13.48	13.56	13.60
CA 4A-7C	Band 4	20M	16QAM	1745	20300	1	0	4°4 MMO	Band 7	20M	2655	3100	4°4 MIMO	1	1	1	1	1	7	1	1	- 1	1	17.31	17.39	18.00
CA 4A-7C	Band 7	26M	16QAM	2510	70850	50	50	4°4 MMO	Band 4	20M	2132.5	2175	4°4 MIMO	1	1	1	. 1	1	1	-1		T.		13.48	13.56	13.60
CA_4A-12A	Band 4	20M	16QAM	1745	20300	1	0	4"4 MMO	Band 12	5M	737.5	5095	2*2 MMO	- 1.	. 1.	1.	1.	I	1	1	1	8.	1	17.24	17.39	18.00
CA_4A.12B	Band 4	20M	16QAM	1745	20300	-1	0.	4"4 MIMO	Band 12	10M	741	5130	2°2 MMO	Band 12	5M	733.8	5068	2°2 MMO	4	- 4.	-1-	0	J	17.18	17.39	18.00
DA SATA	Dand 5	1004	16QAM	029	20400	1	- 10	2°2 MM00	David 7	ZOM	2655	3100	414 MIMO	1	- F.	-0	- f.	1	7	11	- 2	1.8	1	17.69	17.62	19.00
CA 5A-7A	Band 7	2005	16QAM	2510	20850	50	50	4°4 MIMO	Band 5	MOZ	881.5	2525	2°2 MMO	- 1	34	1	1	1	1	- 1"	-1-	100	+ 45	13 42	13.56	13-60
CA 7A-12A	Band 7	20M	16QAM	2510	20850	50	50	4'4 MMO	Bland 12	SM	737.5	5095	2°2 MIMO	1	- 1	- 1	1	- 1	1	-1"	-15		V	13.41	13:56	13.60
CA 7A-12A	Band 12	5M.	16QAM	713.5	23155	1	13	2°2 MMO	Band 7	20M	2655	3100	4'4 MIMO	1.	1	1.	1.	1	1.7.	1		1. 1.	1	18.65	19.81	19.40
CA 2A-1A-5A	Band 2	20M	16QAM	1860	18700	-1		2'2 14/14/3'	Band 4	20M	2132.5	2175	4"4 MIMO	Band 5	10M	881.5	2525	2°2 MIMO	1.	- 61	- 1	1	W.	15 89	16 00	16.50
CA 2A-IA-5A	Bland 4	20M	16QAM	1745	20300	1	0	4:4 MMO	Band 2	20M	1960	900	2°2 MIMO	Band 5	1004	381.5	2525	2°2 MIMO	- 4	1.	- 1-	· · · p	7-	17.25	17.39	18.00
CA_2A-4A-5A	Eland ≤	10M	16QAM	829	20450	1.	0	2*2 MIMO	Band 2	20M	1960	900	212 MIMO	Band 4	20M	2132.5	2175	4'4 MIMO	1	1	0.0	1.6	1.0	17.63	17.62	19.00
CA 2A-4A-7A	- Band 2	20M	15QAM	1890	18700	1	П	2.5 MMO	Band 4	20M	2132.5	2175	4°4 MIMO	Band 7	20M	2655	3100	4"4 MIMO	1	1	. 1	100	1	16.03	16.08	16.50
CA 2A-IA-7A	Hand 4	20M	16QAM	1745	20300	1.	0	4º4 MIMO	Band 2	20M	1960	900	- 2°2 MMO	Bard 7	20M	2665	3100	414 MIMO	7	-1"	7	1	1-1-	17.21	17.39	18.00
CA 2A4A7A	Band 7	20M	16QAM	2510	20850	50	50	4"4 MMO	Band 2	20M	1960	900	2°2 MIMO	Band 4	20M	2132.5	2175	4'4 MIMO	-1-	1		100	1 1	13.42	13,56	13.60
CA 2A-4A-12A	Band 2	20M	16QAM	1060	18700	1.	0	2°2 MIMO	Band 4	2014	2132.5	2175	4"4 MIMO	Band 12	5M	733.8	5058	2°2 MIMO	1	-11	1	1.1	7	15 86	15 08	15.50
CA_2A-IA-12A	Band 4	2000	16QAM	1745	20300	1	0.	4'4 MMO	Band 2	20M	1960	900	2°2 MIMO	Band 12	SM	733.8	4068	2°2 MIMO	- A	- 1	1	1.1	1.1	17.27	17.39	18.00
CA 4A-7A-12A	Band 4	20M	16QAM	1745	20300	1	ů.	4"4 MIMO -	Band 7	20M	2655	3100	414 MIMO	Band 12	5M	733,8	5058	2*2 MIMO	-1		D.	L. D.		17.36	17.39	18:00
CA 4A-7A-12A	Band 7	20M	16QAM	2510	20850	50	50	4'4 MMO	Band 4	2014	2132.5	2175	4'4 MIMO	Band 12	5M	733.8	5058	2°2 MIMO	1	1	1	1.1	- L	13.49	13.56	13 60
CA_4A-12A-12A	Fland 4	26M	16QAM	1745	20300	-1	0	4°4 MMO	Band 12	5M	733 B	5058	2°2 MIMO	Band 12	5M	733 8	5058	212 MIMO	1	-5	1	1.	7	17.32	17.39	18 00
A 2A-4A-7A-12A	A Band 2	20M	16QAM	1860	18700	-1	0.	2°2 MMO	Band 4	2014	2132.5	2175	4°4 MIMO	Band 7	20M	2655	3100	2°2 MIMO	Band 12	5M	733.8	5058	2°2 MIMO	16.00	16.08	16.50
A 2A 4A 7A 12	Band 4	20M	16QAM	1745	20300	-4	0	4"4 MIMO	Band 2	20M	1960	900	2°2 MMO	Band 7	20M	2666	3100	2°2 MIMO	Bund 12	6M	733.8	5058	2°2 MIMO	17.20	17.39	18.00
A ZA-4A-7A-12/	Dand 7	20M	1FQAM	2610	20050	HO	6.0	2'2 MMO	Bland 2	20M	1960	900	2°2 MIMO	Band 4	20M	2132.5	2175	4'4 MIMO	Hand 12	DM	733.8	6000	2°2 MIMO	13.41	13.56	13 60

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

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												ecekse on	Right head) #W	AFi on/Hotap	ot on					_						
					CC						8001			7		SCC2					SCC3				ower(dBm)	
DL LTE CA	LTE Band	(MHz)	Modulation	Lik Freq. (MHz)	LIL	UL# RB	LIL REI Offset	DL Antenna Configuration	LTE Band	(MHz)	DL Freq (MHz)	DL Channel	DL Asterna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	Channe	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Drawni	DL Channel	With DL 4*4 MIMO Tx.Power(dBm)	Without DL 4*4 MMO Tx:Power(dElm)	Tune-up
CA 7C	Band 7	20M	16QAM	2510	20850	1	99	4'4 MIMO	Band 7	20M	2649.8	3048	414 MIMO	-1-	- f-	1	1	1	-1-	- g.	-1-	- 1	1	9.89	10.08	10:10
CA_2A-4A	Band 2	20M	15QAM	1900	19100	1	99	2°2 MIMO	Band 4	20M	2132.5	2175	414 MIMO	- 1	= 1.	f.	- J.	1	16.	1	-1,	1	- A	14.51	14.52	15.00
CA_2A-4A	Band 4	20M	16QAM	1745	20300	1	0	4°4-MIMO	Band 2	20M	1960	900	2°2 MIMO	1	J	1	1	J.	1	1	1	- Y	7	15.38	15.46	15 00
CA ZA-7A	Band 2	20M	16QAM	1900	19100	1	99	5.5 WIWO	Bant 7	20M	2655	3100	4º4 MIMO	1	1//	- 10	- 1	- J.F.	- A -	15	1	1.	T	14.38	14-52	15.00
CA_2A-7A	Band 7	20M	16QAM	2510	20850	1	- 99	4"4 MIMO	Band 2	- 20M	1960	,900	2°2 MMD	1	10	1	17.	£	- 6	1	100	1	1 1	10.00	10.08	10.10
CA 4A-5A	Fland 4	20M	16QAM	1745	20300	- 1	0	4'4 MIMO	Band 5	1014	881.5	2525	2*2 MIMO	- 1	1	1	1	1	1	1	1	1	1	15.33	15.46	16.00
CA_4A-5A	Band 5	10M	16QAM	829	20460	1	0	2°2 MIMO	Band 4	20M	2132.5	2175	414 MIMO	- /-	-1-	1	-1	7	- 1	1	1.4	-1	1	17.16	17.38	18.50
CA 4A-TA	Band 4	20M	16QAM	1745	20300	1	6	4'4 MIMO	Band 7	20M	2655	3100	4'4 MMO	1	1.	1	1		1	1	1	1	1	15.39	15.46	16.00
CA 4A 7A	Band 7	20M	16QAM	2510	20850	1	99	414 MIMO	Band 4	20M	2132.5	2175	4°4 MIMO	1	-1:	1	- 3	E	1.	1	1	- 1	y	9.88	10.08	10.10
CA 4A-7C	Band 4	20M	15QAM	1745	20300	1.	0	4"4 MIMO	Band 7	20M	2655	3100	4º4 MMO	1	1	.1.	.1	1	- A.	1.1	- 1/	- Y	Y -	16.39	15.46	16.00
CA 4A-7C	Band 7	20M	16QAM	2510	20850	1	99	4'4 MIMO	Band 4	20M	2132.5	2175	4"4 MMO	-1	1		-F	f	- 6	1	1	-1	1	9.88	10.08	10.10
CA 4A-12A	Band 4	20M	16QAM	1745	20300	1	0	4'4 MIMO	Band 12	5M	737.5	5095	2*2 MIMO	-1	-1	7	1	7	- 1	1	1	1	1	15.31	15.45	16.00
CA 4A-128	Band 4	20M	16QAM	1746	20300	1	0	414 MIMO	Hand 12	1014	741	5130	2.5 WWO	Band 12	500	733.8	5058	212 MIMO.	- 1	1	-1-	1	1	15.26	15.46	16.00
CA 5A-TA	- Barni S	10M	IBQAM	825	20450	1	- 0	2°2 MMO	Band 7	20M	2655	3100	4'4 MMO	-7	1	- 1	-3	1-	1	1	- y		- 1	17.26	17.38	16.50
CA 5A-7A	Band 7	20M	16QAM	2510	20850	1	99	4°4 MIMO	Band 5	10M	881.5	2525	2*2 MMO	1.	1	1	.1	1.	Α.	1	- X.	Α.	1	9.99	10.08	10.10
CA 7A-12A	fland 7	20M	16QAM	2510	20850	1	99	4"4 MIMO	Bland 12	5Mt	737.5	5095	2.5 WWO	- 1	1.	1	- 1-	-1	7	1	1	1	1	9.95	10.08	10.10
CA_7A-12A	Band 12	5M	16QAM	713.5	23155	1	24	2°2 MIMO	Band 7	20M	2655	3100	4º4 MMO	-1-	-1-	1	-1	T	- 1	1	- 1	-1	1	18.21	18.33	19.00
CA 2A-4A-5A	Band 2	20M	16QAM	1900	19100	1	99	2*2 MIMO	Band 4	20M	2132.5	2175	4/3 MMO	Band 5	101/1	881.5	2625	2°2 MIMO	11	1	1	1.	1	14.33	14.52	15.00
CA ZA-IA-SA	Band 4	20M	15QAM	1745	20300	1	0	4°4 MIMO	Band 2	20M	1960	900	5.5 MINO	Bland 5	108/5	801.5	2525	2°2 MIMO	1.	1	1	1	1	15.39	15.45	15.00
CA 2A-4A-5A	Band 5	10M	16QAM	829	20450	1	0	2*2 MiMO	Band 2	- 20M	1960	900	2°2 MIMO	Band 4	20M	2132.5	2175	414 MIMO	1	1	1	- 1	1	17.21	17.38	18.50
CA 2A-4A-7A	Band 2	20M	16QAM	1900	19100	1	99	2°2 MIMO	Band 4	20M	2132.5	2175	4°4 MMO	Band 7	20M	2655	3100	4º4 MIMO	- 6	1	1	1	1.	14.39	14.52	15.00
CA ZA-IA-7A	Band 4	20M	16QAM	1745	20300	7	0	4"4 MIMO	Band 2	20M	1960	900	2°2 MMO	Band 7	20M	2655	3100	414 MIMO	1.	9	1	- 1	1.	16.32	15.46	16.00
CA 2A-4A-7A	Band 7	20M	16QAM	2510	20850	1	99	4°4 MIMO	Band 2	20M	1960	900	2°2 MIMO	Band 4	20M	2132.5	2175	4°4 MIMO	- 1	1		1	1	9.87	10.08	10.10
CA 2A4A 12A	Bánd 2	20M	16QAM	1900	19100	1	99	2*2 MIMO	Band 4	20M	2132.5	2175	4/4 MIMO:	Band 12	5M	733.8	5058	2°2 MIMO	-1	1	-4	1	* *	14.36	14.52	15.00
CA 2A-4A-12A	Hand 4	20M	16QAM	1745	20300	1	0	4'4 MIMC	Band 2	2014	1960	900	2°2 MIMO	Band 12	5M	733 8	5058	2°2 MIMO	- 4	1	1	-7	-1	15.26	15.46	16.00
CA 4A-7A-12A	Band 4	20M	15QAM	1745	20300	1	0	4'4 MIMO	Band 7	20M	2655	3100	4°4 MMO	Band 12	5M	733.8	5058	2°2 MIMO	1	1. 1		-4	- V	15.37	15.46	16.00
CA 4A-7A-12A	Band 7	20M	16QAM	2510	20850	1	99	4"4 MIMO	Band 4	20M	2132.5	2175	4°4 MIMO	Band 12	5M	733.8	5068	2°2 MMO	- 1	1	7.	T	- Y	9.86	10.08	10.10
CA 4A-12A-12A	Band €	20M	16QAM	1745	20300	1	0	4'4 MIMO	Band 12	58/4	733.6	5058	7°2 MMO	Band 12	5M	733.8	5058	2°2 MIMO	1	1	1	-90	- 6	15.33	15.46	16 00
CA 2A-4A-7A-12A		20M	16QAM	1900	19100	1	99	2°2 MIMO	Band 4	20M	2132.5	2175	4'4 MIMO	Band 7	20M	2655	3100	2*2 MIMO	Band 12	SM	733.8	5058	2°2 MMO	14.33	14.52	15.00
CA 2A-4A-7A-12A		20M	16QAM	1745	20300	1	0	4°4 MIMO	Band 2	20M	1960	900	2°2 MMO	Band 7	20M	2655	3100	2°2 MIMO	Band 12	-5M	733.8	5058	2°2 MIMO	15.31	15.46	16.00
GA 2A-4A-7A-12A	-	20M	TEQAM	2510	20850	1	99	2"2 MIMO	Band 2	20M	1960	900	2°2 MMO	Band 4	2068	2132.5	2175	4'3 MMO	Bond 12	- 5M	733.5	5058	2.5 MMO	9.86	10.05	10.10

											Re	cener off (Body Scene)+V	Vifi on/Hots	00.00											
1000000					ACC.						SCET					SCC2					5003	9			Priwer(dEtri)	
DL LTE CA Class	LTE Band	BW (Mrsz)	Modulacion	UL Freq (MHz)	Channel	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	EW (MHz)	DL Freq. (MHz)	OL Charriel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Free (Mrsz)	DL. Channel	DL Anterná Configuration	LTE Band	(MHz)	DL Freq (Mrtz)	DL Channel	DL Antenna Configuration	With DL 4*4 MIMO Tx Power(dBm)	Without DL 4'4 MIMO Tx Power(dBm)	Типенир
CA_7C	Band 7	201/1	16QAM	2510	20850	50	50	414.MIMO	Band 7	- 20M	2649.8	3048	4'4 MIMO	1	1	1	1.	7	F	, A	- 1	1	1	17.01	17,18	17,60
CA 2A-4A	Band 2	20M	16QAM	1860	18700	1	0	2:2 MMO	Band 4	20M	2132.5	2175	4.4 WIMO	- 1-	1	1	1	1-	1	1. 2	-1	1	- 4-	19.62	19 77	20.00
CA_2A-4A	Band 4	.20M	16QAM	1720	20050	1	.0	4'4 MIMO:	Band 2	20M	1960	900	2°2 MIMO	1	1.	1.	1.	1.	1	1.	1	1	- C	19.81	19.89	20.50
CA 2A-7A	Band 2	20M	16QAM	1860	18700	1	D	2°2 MMO	Band 7	- 20M	2665	3100	4"4 MMO	- 1	-1	1	1	1	1	· E	1	1		19,70	19,77	70.00
CA 2A-7A	Band 7	2014	16QAM	2510	20850	50	50	4'4 MMD	Band 2	20M	1960	900	2°2 MIMO	-6	-1	-/-	- 1	1	1	-/-	1	1-1	-1	17.00	17.18	17.60
CA 4A-6A	Band 4	20M	MAD91	1720	20050	1	0	4*4 MIMO	Band 5	1000	881.5	2525	2°2 MIMO	1	-1-	1	1	7	1.	1.	1	1 1	1	19.77	19.89	20.50
CA 4A-5A	Band 5	10M	15QAM	844	20600	1	D D	2"2 MMO	Band 4	20M	2132.5	2175	DMM FE	1	-1		1.	1	1	1	1	1	-1	20.25	20.43	21.00
CA 4A-7A	Band 4	20M	16QAM	1720	20050	1	0	4"4 MMO	Band 7	20M	2655	3100	4°4 MIMO	=7-	1	1	1	1	1.	1	1	-1	4	19.78	19.89	20.50
CA 4A-7A	Band 7	-20M	16QAM	2510	20850	50	50	414 MIMO	Eland 4	20M	2132.5	2175	4°4 MIMO	1	1	1	- 1	1 - 1	1	- 1	17:	1	- 1	17.01	17.19	17.60
CA 4A-7C	Band 4	20M	16QAM	1720	20050	1	D	474 MIMO	Band 7	- 20M	2655	3100	4'4 MIMO	1	1	1-	- 1	1	1	- 2	9	1	- 6	19.78	19.89	20:50
CA 4A-7C	Band 7	20M	16QAM	2510	20850	50	50	4°4 MMO	Band 4	20M	2132.5	2175	4°4 MIMO	1	1	1	- 1	1 2	1	1	1	1	1	17.01	17.18	17.60
CA 4A 12A	Band 4	20M	16QAM	1720	20050	1 1	Ď.	414 MIMO	Band 12	5M	737.6	5095	2°2 MIMO	1	1	- 1	4.	1	1	1	1	P.	- 1	19.77	19.89	20.50
CA 4A-12B	Band 4	20M	16QAM	1720	20050	1	-0	474 MMO	Band 12	10M	741	5130	2°2 MIMO	Band 12	584	733.8	5058	2*2 (4860)	1	1	1	- F	- 6	19.72	19.89	20.50
CA SA-7A	Band 5	1014	16QAM	644	20500	1	0	2*2 MMO	Dand 7	:20M	2555	3100	414 MIMO	1	1	7	- 7	1	1	- 7	1	-7	-7	20.31	20.43	21.00
CA 5A-7A	Band 7	20M	16QAM	2510	20850	50	50	414 MMMD	Band 5	1064	881.5	2525	2°2 MIMO	- 1	- F	1	V	1	1	E.	9	- F	- F	16.99	17.18	17.60
GA 7A 12A	Band 7	20M	16QAM	2510	20850	50	56	4°4 MMO	Band 12	501	737.E	5095	2°2 MIMO	-1	1	1	-1	7	1	1	1	1:	1	17.03	17.18	17.60
CA 7A-12A	Band 12	584	16(JAM	701.5	23035	1	24	2°2 MMO	Hand 7	20M	2655	3100	4'4 MIMO	1	7	- 1	- 1	1	- 1	1	1		- P	20.55	20.68	21 00
CA 2A-4A-5A	Band 2	20M	16QAM	1860	18700	1	0.	212 MMO	Band 4	20M	2132.5	2175	4'4 MMO	Band 5	1000	881.5	2525	2*2 MMO	1	- X	1	1	-0-	19.63	19.77	20.00
CA 2A-4A-5A	Band 4	20M	16QAM	1720	20050	1	ñ	4'4 MMO	Band 2	20M	1960	900	2°2 MIMO	Band 5	10M	661.5	2525	2'2 MMO	1	1	1	1	1	19.71	19.09	20.50
CA 2A-4A-5A	Band 5	1004	16QAM	844	20600	1	B	2°2 MMO	Band 2	- 20M	1960	900	2°2 MMO	Band 4	2014	2132.5	2175	413 (4860)	1	A	g.	6	- 6	20.27	20.43	21 00
CA 2A-IA-7A	Band 2	2014	16QAM	1860	18700	1	0	212 MMO	Band 4	20M	2132.5	2175	4'4 MIMO	Band 7	20M	2655	3100	4'4 MIMO	1	-	1	11	11	19.66	19.77	20.00
CA 2A-4A-7A	Band 4	20M	16QAM	1720	20050	1	0	414 MMO	Band 2	20M	1960	900	2º2 MIMO	Band 7	20M	2656	3100	4'4 MMO	1	-	1	P		19.67	19.89	20.50
CA 2A-IA-TA	Band 7	2011	1EQAM	2510	20050	50	50	414 MMO	Band 2	20M	1960	900	2°2 MIMO	- Band 4	20M	2132.5	2175	4.4 MMO	7	+	1	- 6	-6	15.63	17.18	17 60
CA 2A-4A-12A	Band 2	-20M	16QAM	1860	18700	.00	0	2°Z MMO	Band 4	20M	2132.5	21/5	4.4 WIMO	Band 12	5M	733.8	5058	2*2.MMO	-	- 1	-		1	19.61	19.77	20.00
CA 2A-4A-12A	Band 4	-20M	16QAM	1720	20050	-	0	4'4 MMO	Band 2	20M	1960	900	2°2 MIMO	Band 12	5M	733.8	5058	2°2 MMO	-	-	-	1		19.72	19.89	20.50
CA 4A-7A-12A	Band 4	20M	16QAM	1720	20050	1	0	CMM P.1	Band 7	20M	2666	3100	4'4 MIMO	Band 12	5M	733.5	5058	2°2 MMO	1	1	1	1	7	19.79	19.89	20.50
CA 4A-7A-12A		2014	16QAM	2510	20850	50	50	A'4 MMO		20M	7132.5	2175	4"4 MIMO		5M		5053	2'2 MMO	-			1	-	16.98	17.18	17.60
	Band 7					30	30	0. 1. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Bant 4					Band 12		733.8			-	-	-	1	1			
CA_4A-12A-12A	Band 4	201/1	16QAM	1726	20050	1	0	414 MIMO	Band 12	5M	733.8	5058	2°2 MIMO	Band 12	5M	733.8	5058	2°2.MMO	W 110	70.0	7000	COLM	THE RELLET	19.75	19.89	20.50
CA_2A-4A-7A-12/		2014	16QAM	1060	16700	1	- 1/	2°2 MMO	Band 4	20M	2132.5	2175	414 MIMO	Band 7	2014	2656	3100	212 MIMO	Band 12	5M	733.8	5058	2°2 MIMO	19.65	19.77	20.00
CA_7A-1A-7A-12A		20M	15QAM	1720	20050	1	.0	4:4 MMO	Band 2	20M	1960	900	5.5 WIND	Eland 7	70M	2655	3100	2°2 MMO	E3and 12	±M.	733.8	5058	2.5 WIWO	19.63	13 69	70.50
CA 2A-4A-7A-124	Band 7	20M	16QAM	2510	20850	50	50	2°2 MMO	Barrd 2	20M	1960	900	2°2 MIMO	- Band 4	201/1	2132.5	2175	4°4 MIMO	Band 12	5M	733.8	5058	2°2 MIMO	16.81	17.18	17.60

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

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之緣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。

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SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

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8.1.3.2 Conducted Power of Uplink LTE CA:

Uplink LTE CA Conducted Power of Main Antenna

Combination	Modula	tion			F	PCC						SCC					ne(receive sensor off		dy Scene nsor on l D0&D1	Level	on(10	i Hotspot 0mm SAF nsor off)	₹ 0	sensor on n level &D1+Wifi	SAF	dy Scene(R sensor o rel D2&D3
			and		UL hanne	UL# I RB	UL RB Offset	Di Char	nnel		BW MHz)	UL Channe	el RB	UL RB Offset	Pov		ine-up(dBm	-	wer up(une- (dBm)	Power	tune- up(dBn		up(dBm)	Pow	up(dBr
CA_2C	QPS		2		18700	1	99	70		2	20	18898		0	23.		24.00	20		1.50	18.06	19.00	15.47		23.4	
CA_2C	QPS		2		18900	1	99	90		2	20	19098		0	22.		24.00			1.50	17.85	19.00	15.48		22.9	
CA_2C	QPS		2		18900	1	0	90		2	20	18702		99	22.		24.00	20		1.50	17.98	19.00	15.53		22.9	
CA_2C	QPS	K	2	20	19100	1	0	110	00	2	20	18902	1	99	22.		24.00	20	.34 2	1.50	18.07	19.00	15.56		22.8	
Combination 1	Undulation			F	cc					scc				Scene(rec AR senso		SAR	Scene(0mm sensor on evel D0)		Scene(SA on Level (DA SA	ody Scen R sensor vel D2&D	on on(1	i Hotspot Omm SAR nsor off)	SAR senso level D0 + Hotspot	Wifi	BAR sensor level D1 +V Hotspot or
ornomation	Modulation	Bund	BW (MHz)	Ut. Channel	UL# RB	UL RB Offset	DL. Channel	Band	BW (MHz)	UL Channe	UL#	Ut. RB Offset	Power	tune-up((dBm)	Powe	tune- up(dBm)	Power	tune- up(dBm	n) Pow	ver tun		tune- up(dBm)		ne- iBm)	ower up(dE
CA_7C	OPSK	7	20	20850	1	99	2850	7	20	21048		0	21.64	22.6		18.63		20.68	21.60							16.81 17.6
CA_7C	QPSK	7	20	21100	1	99	3100	7	20	21298		0	21.44	22.6		18.46		20.56	21.60							16.76 17.6
CA 7C	QPSK QPSK	7	20	21100	1	0	3100	7	20	20902		99	21.87	22 6		18.74		20.84	21.60							16.92 17.6 16.67 17.6
Combination				F	cc					SCC			Head S	Scene (rec	ever	Body	Scene(0mm sensor on evel D0)	Body	Scene(SA on Level D	R Bod	y Scene(S nsor on Le D2&D3)	SAR Wit evel on(1 se	Hotspot Omm SAR nsor off)	SAR senso level D0 +1 Hotspot	ron : Wifi	SAR sensor level D1+W Hotspot on
		Band	HW (MHz)	UL. Channe	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	Channe		UL RB Offset	Power	tune-up(dBm)	Powe	up(dBm)	Power	tune- up(dBm	n) Pow	ver up(di		up(dBm)		iBm) F	ower up(dE
CA_38C	QPSK	38	20	37850	1	99	37850	38	20	38048		0	21.84	23.0		21.36		21.84	23.00							20.77 22.0
CA 3BC	QPSK	38	20	37901	1	99	37901	38	20	38099		0	21.85	23.0		21.42		21.85	23.00							20.86 22.0
CA 38C	QPSK QPSK	38	20	38099	1 1	0	38099	38	20	37901	1	99	21.89	23.0		21.46		21.89	23.00							20.84 22.0
Combina	ation M	lodula	ation		-			PCC	;								SCC	-			F	ull pow	er	Wifi	Hots	spot on
				Band	_	W Hz)	UL Channe		UL# RB	UL Off	RB set	D Chai	_	Band	B\ (MF		UL Channel	UL# RB		1 1	ower	tune-	up(dBm) Powe	er	tune- up(dBm
CA_41	С	QPS	SK	41	2	20	40240		1	9	9	402		41	2	0	40438	1	0	2	21.79	2	3.00	19.3	7	20.50
CA 41	С	QPS	SK	41	2	20	40540)	1	9	9	405	40	41	2	0	40738	1	0	2	21.64	2	3.00	19.2	5	20.50
CA_41	С	QPS	SK	41	2	20	40540)	1	()	405	40	41	2	0	40342	1	99	9 2	21.74	2	3.00	19.3	4	20.50
CA_41	С	QPS	SK	41	2	20	40840)	1	9	9	408	40	41	2	0	41038	1	0	2	21.55	2	3.00	19.1	8	20.50
CA_41	С	QPS	SK	41	_	20	40840)	1	()	408	40	41	2	_	40642	1	99	_	21.59	2	3.00	19.2	8	20.50
CA 41	C	QPS	SK	41	1 2	20	41140)	1	1 () I	411	40	41	2	0	40942	1 1	99	9 2	21.58	2	3.00	19.2	1	20.50

Uplink LTE CA Conducted Power of Second Antenna

Combination	Madulation			PC	C					SCC				ver on+Left. head	Recei	ver on+Right Head		Scene)		er on+Left WiFi on		on+Right WiFi on		r off (Body +WiFi on
Combination	MOGURATION	Band	(MHz)	UL Channel	UL# RB		DL Channel	Band	BW (MHz)	UL Channel		UL RB Offset	Power	tune- up(dBm)	Power	tune-up(dBm)	Power	tune- up(dBm)	Power	tune- up(dBm)	Power	tune- up(dBm)	Power	tune- up(dBm
CA 2C	QPSK	2	20	18700	1	99	700	2	20	18898	-1	0	18.14	19 50	16.63	18.00	21.54	23.00	15 13	16 50	13 61	15 00	18.72	20.00
CA 2C	QPSK	2	20	18900	1	99	900	2	20	19098	1	0	18.25	19.50	17.21	18.00	22.19	23.00	15.75	18.50	14.24	15.00	19.17	20.00
CA_2C	QPSK	2	20	18900	1	0	900	2	20	18702	1	99	18.11	19.50	16.58	19.00	21.49	23.00	15.07	16.50	13.56	15.00	18.64	20.00
CA 2C	QPSK	2	20	19100	1	0	1100	2	20	18902	1	99	18 31	19.50	17.34	18 00	22 23	23.00	15.73	16 50	14 25	15.00	19 31	20.00
Combination	Madulatian			PC	C					SCC				ver on+Left.	Recei	ver on+Right Head		erver off Scene)		er on+Left WiFi on		on+Right WiFi on		r off (Body +WiFi on
Combination	wodulation	Band	(MHz)	UL Channel	UL# RB		DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune- up(dBm)	Power	tune-up(dBm)	Power	tune- up(dBm)	Power	tune- up(dBm)	Power	tune- up(dBm)	Power	tune- up(dBm)
CA 7C	QPSK	7	20	20850	1	99	2850	7	20	21048	1	0	15.03	15 10	11.45	11.60	18.71	19.10	13.34	13 60	9.84	10 10	17.22	17 60
CA 7C	QPSK	7	20	21100	1	99	3100	7	20	21298	1	0	14.14	15.10	10.78	11.60	18.02	19.10	12.87	13.60	9.02	10.10	18,51	17.60
CA 7C	QPSK	7	20	21100	1.	0	3100	7	20	20902	1	99	14.74	15.10	11.46	11.60	18.47	19.10	13.37	13.60	9.63	10.10	17.01	17.60
CA 7C	QPSK	7	20	21350	1	0	3350	7	20	21152	.1	99	14.49	15 10	10.96	11.60	18.13	19.10	13.04	13.60	9.52	10 10	16.87	17 60
				PC	C					SCC				ver on+Left. head	Recei	ver on+Right Head		eiver off Scene)		er on+Left WiFi on		on+Right WiFi on		r off (Body +WiFi on
Combination		Band	(MHz)	UL Channel	UL# RB		DL Channel	Band	BW (MHz)	UL Channel		UL RB Offset	Power	tune- up(dBm)	Power	tune-up(dBm)	Power	tune- up(dBm)	Power	tune- up(dBm)	Power	tune- up(dBm)	Power	tune- up(dBm)
CA 38C	QPSK	38	20	37850	1	99	37850	38	20	38048	-1	0	17.33	18 50	13.41	14 50	19.41	20.50	14 40	15.50	10 45	11 50	16.44	17 50
CA 38C	QPSK	38	20	37901	1	99	37901	38	20	38099	1	0	17.46	18.50	13.49	14.50	19.59	20.50	14,58	15.50	10.57	11.50	16.51	17.50
CA_38C	QPSK	38	20	38099	1	0	38099	38	20	37901	1	99	17.53	18.50	13.64	14.50	19.63	20.50	14.62	15.50	10.63	11.50	16.53	17.50
CA 38C	QPSK	38	-20	38150	1	0	38150	38	20	37952	1	99	17.68	18 50	13 68	14.50	19.68	20 50	14 74	15.50	10.72	11.50	16.75	17.50
Combination	11. 4.1.4.			PC	CC					SCC			0.000,000	rer on+Left head	Recen	ver on+Right Head		Scene)		er on+Left WiFi on		on+Right WiFi on		oll (Body +WiFi on
combination	Modulation	Band	BW (MHz)	UL Channel	UL# RB		DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune- up(dBm)	Power	lune-up(dBm)	Power	tune- up(dBm)	Power	tune- up(dBm)	Power	tune- up(dBm)	Power	tune- up(dBm)
CA 41C	QPSK	41	20	40240	1	99	40240	41	20	40438	1	0	17.46	19.00	13.42	15.00	18.73	20.50	14.46	16.00	10.62	12.00	15.91	17.50
CA 41C	QPSK	41	20	40540	1	99	40540	41	20	40738	1	0	17.51	19 00	13.97	15 00	18.91	20.50	14.86	16 00	10.95	12 00	16.41	17.50
CA 41C	QPSK	41	20	40540	1	0	40540	41	20	40342	1	99	17.57	19.00	13.55	15.00	18.98	20.50	14.54	16.00	10.52	12.00	15.98	17.50
CA 41C	QPSK	41	20	40840	-1	99	40840	41	20	41038	1	0	17.49	19.00	13.49	15.00	18.76	20.50	14.53	16.00	10.55	12.00	15.84	17.50
CA 41C	QPSK	41	20	40840	-1	0	40840	41	20	40642	1	99	17.85	19.00	13.83	15.00	19.35	20.50	15.01	16.00	10.91	12.00	16.52	17.50
CA 41C	QPSK	41	20	41140	1	0	41140	41	20	40942	1	99	17.29	19 00	13.37	15.00	18 74	20.50	14.32	16.00	10.45	12 00	15.91	17.50

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41C UL and 41D DL Main Antenna

					PCC					SC	C1					SC	CC2			Power	
Power State	Configuration	LTE Band	BW (MHz)	Modulation	UL/DL Freq. (MHz)	UL/DL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	UL/DL Freq. (MHz)	UL/DL Channel	UL# RB	UL RB Offset	LTE Band	BVV	UL/DL Freq. (MHz)	UL/DL Channel	LTE UL CA_41C with DL CA_41D Power	CA 41C	tune- up(dBm)
Full power	41C UL and 41D DL	LTE B41	20M	QPSK	2555	40240	1	99	LTE B41	20M	2574.8	40438	1	0	LTE B41	20M	2594.6	40636	21.68	21.79	23.00
Wifi Hotspot on	41C UL and 41D DL	LTE B41	20M	QPSK	2555	40240	1	99	LTE B41	20M	2574.8	40438	1	0	LTE B41	20M	2594.6	40636	19.31	19.37	20.50

41C UL and 41D DL Second Antenna

		• • -			•																
					PCC					S	CC1					SCC2	2			Power	
Power State	Configuration	LTE Band	BW (MHz)	Modulation	UL/DL Freq. (MHz)	UL/DL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	UL/DL Freq. (MHz)	UL/DL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	UL/DL Freq. (MHz)	UL/DL Channel	LTE UL CA_41C with DL CA_41D Power	LTE UL CA_41C Power	tune- up(dBm)
Receiver on+Left head	41C UL and 41D DL	LTE B41	20M	QPSK	2615	40840	1	0	LTE B41	20M	2595.2	40642	1	0	LTE B41	20M	2575.4	40444	17.81	17.85	19.00
Receiver on+Right Head	41C UL and 41D DL	LTE B41	20M	QPSK	2585	40540	1	99	LTE B41	20M	2604.8	40738	1	0	LTE B41	20M	2624.6	40936	13.96	13.97	15.00
Receiver off (Body Scene)	41C UL and 41D DL	LTE B41	20M	QPSK	2615	40840	1	0	LTE B41	20M	2595.2	40642	1	0	LTE B41	20M	2575.4	40444	19.32	19.35	20.50
Receiver on+Left head+WiFi on	41C UL and 41D DL	LTE B41	20M	QPSK	2615	40840	1	0	LTE B41	20M	2595.2	40642	1	0	LTE B41	20M	2575.4	40444	14.89	15.01	16.00
Receiver on+Right Head+WiFi on	41C UL and 41D DL	LTE B41	20M	QPSK	2585	40540	1	99	LTE B41	20M	2604.8	40738	1	0	LTE B41	20M	2624.6	40936	10.89	10.95	12.00
Receiver off (Body	41C UL and 41D DL	LTE B41	20M	QPSK	2615	40840	1	0	LTE B41	20M	2595.2	40642	1	0	LTE B41	20M	2575.4	40444	16.47	16.52	17.50

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

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8.1.4 Conducted Power of WIFI and BT

		WIFI2.4GI	Hz Full Power (rece	eiver off)			
Mode	Antenna	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		1	2412		19.5	18.24	Yes
	Ant1	6	2437		19.5	18.36	Yes
802.11b		11	2462	1	18.00	17.89	Yes
002.110		1	2412	'	19.00	18.08	Yes
	Ant2	6	2437		19.00	17.67	Yes
		11	2462		18.00	17.65	Yes
		1	2412		17.50	15.02	No
	Ant1	6	2437		17.50	15.76	No
902.11a		11	2462	6	16.00	15.53	No
802.11g	Ant2	1	2412		17.00	14.95	No
		6	2437		17.00	15.06	No
		11	2462		16.00	15.65	No
		1	2412		16.50	13.83	No
	Ant1	6	2437		16.50	14.72	No
802.11n		11	2462	6.5	15.00	14.42	No
HT20 SISO		1	2412	0.5	16.00	14.02	No
	Ant2	6	2437		16.00	13.88	No
		11	2462		15.00	14.67	No
		1	2412		17.50	15.08	No
	Ant1	6	2437		17.50	15.81	No
802.11g CDD		11	2462	6	16.00	15.67	No
602.11g CDD		1	2412	0	17.00	15.55	No
	Ant2	6	2437		17.00	15.33	No
		11	2462		16.00	15.89	No
		1	2412		19.30	16.94	No
802.11HT20MIMO	Sum	6	2437	13	19.30	17.33	No
002.1111120WIIWO		11	2462		18.00	17.56	No

		WIFI2.4GI	Hz receiver on(head	d scene)			
Mode	Antenna	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		1	2412		16.50	15.16	Yes
	Ant1	6	2437		16.50	15.28	Yes
802.11b		11	2462	1	16.50	15.25	Yes
002.110	Ant2	1	2412	'	19.00	17.44	Yes
		6	2437		19.00	17.09	Yes
		11	2462		18.00	17.89	Yes
		1	2412		16.50	13.84	No
	Ant1	6	2437		16.50	14.64	No
802.11g		11	2462	6	16.00	14.56	No
602.11g		1	2412	0	17.00	15.10	No
	Ant2	6	2437		17.00	14.94	No
		11	2462]	16.00	15.71	No
802.11n	802.11n Ant1	1	2412	6.5	16.50	13.87	No
HT20 SISO	Anti	6	2437	0.5	16.50	14.41	No

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		11	2462		15.00	14.46	No
		1	2412]	16.00	14.01	No
	Ant2	6	2437		16.00	13.99	No
		11	2462		15.00	14.66	No
		1	2412		16.50	15.05	No
	Ant1	6	2437		16.50	15.79	No
902 11a CDD		11	2462	6	16.00	15.77	No
802.11g CDD		1	2412		17.00	15.58	No
	Ant2	6	2437		17.00	15.43	No
		11	2462		16.00	15.98	No
802.11HT20		1	2412		19.30	16.95	No
MIMO	Sum	6	2437	13	19.30	17.22	No
IVIIIVIO	Guili	11	2462		18.00	17.57	No

		WIFI5	GHz Ant1 Full Pov	ver			
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		36	5180		14.00	12.27	No
	U-NII-1	40	5200		17.00	15.03	No
	O-INII- I	44	5220		17.00	15.25	No
		48	5240		17.00	15.02	No
		52	5260		17.00	15.28	Yes
	U-NII-2A	56	5280		17.00	15.41	Yes
	U-MII-ZA	60	5300		17.00	15.24	No
		64	5320		14.00	12.36	Yes
		100	5500		14.00	12.33	Yes
		104	5520		17.00	15.18	Yes
		108	5540		17.00	15.09	No
		112	5560		17.00	15.14	No
802.11a		116	5580	6	17.00	15.28	Yes
	U-NII-2C	120	5600		17.00	15.10	No
		124	5620		17.00	15.08	No
		128	5640		17.00	15.07	No
		132	5660		17.00	15.28	No
		136	5680		17.00	15.31	Yes
		140	5700		14.00	12.49	No
		144	5720		14.00	12.41	Yes
		149	5745		17.00	15.54	Yes
		153	5765		17.00	15.44	No
	U-NII-3	157	5785		17.00	15.29	Yes
		161	5805		17.00	15.18	No
		165	5825		17.00	15.24	Yes
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		36	5180		14.00	11.84	No
	U-NII-1	40	5200		17.00	14.56	No
802.11n-HT20	U-INII- I	44	5220	MCS0	17.00	14.61	No
002.1111-1120		48	5240	IVICSU	17.00	14.46	No
	U-NII-2A	52	5260		17.00	14.63	No
	U-INII-ZA	56	5280		17.00	14.82	No

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		60	5300		17.00	14.73	No
		64	5320		14.00	11.89	No
		100	5500		14.00	11.77	No
		104	5520]	17.00	14.64	No
		108	5540]	17.00	14.52	No
		112	5560		17.00	14.51	No
		116	5580	1	17.00	14.50	No
		120	5600		17.00	14.63	No
	U-NII-2C	124	5620		17.00	14.46	No
		128	5640		17.00	14.64	No
		132	5660		17.00	14.66	No
		136	5680		17.00	14.69	No
		140	5700		14.00	11.84	No
		144	5720		14.00	11.99	No
		149	5745		17.00	14.91	No
		153	5765	V	17.00	14.82	No
	U-NII-3	157	5785		17.00	14.73	No
	O MII O	161	5805		17.00	14.68	No
		165	5825		17.00	14.66	No
		100	3023			Average	140
5GHz	mode	Channel	Frequency(MHz)	Data	Tune	Power	SAR Test
30112	mode	Orialiioi	Troquerioy(Wiriz)	Rate(Mbps)	up	(dBm)	OAK TOSE
		38	5190		11.50	9.26	No
	U-NII-1	46	5230		14.50	12.05	No
		54	5270		14.50	12.03	No
	U-NII-2A	62	5310		11.50	9.24	No
		102	5510		11.50	9.14	No
802.11n-HT40		110	5550		14.50	11.03	No
002.1111-11140		118	5590	MCS0	14.50	11.82	No
	U-NII-2C	126	5630		14.50	11.87	No
		134	5670		14.50	12.24	No
		142	5710	-	11.50	9.09	No
_		151	5755			12.32	No
	U-NII-3			-	14.50 14.50	12.32	
		159	5795		14.50		No
5GHz	mode	Channel	Eroguepov/MHz)	Data	Tune	Average	SAR Test
SGHZ	mode	Charmer	Frequency(MHz)	Rate(Mbps)	up	Power (dBm)	SAR TEST
		36	5180		14.00	11.88	No
		40	5200		17.00	14.58	No
	U-NII-1	44	5220		17.00	14.51	No
		48	5240		17.00	14.46	No
		52	5260		17.00	14.72	No
		56	5280		17.00	14.72	No
	U-NII-2A	60	5300		17.00	14.62	No
802.11ac		64	5320	MCS0	14.00	11.86	No
20M		100	5500	IVICOU	14.00	11.78	No
		100	5520	1	17.00		
						14.68	No No
	II NIII OC	108	5540 5560		17.00	14.61	No No
	U-NII-2C	112	5560		17.00	14.54	No
		116	5580	-	17.00	14.55	No
		120	5600		17.00	14.63	No
		124	5620		17.00	14.48	No

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		128	5640		17.00	14.79	No
		132	5660		17.00	14.67	No
		136	5680		17.00	14.72	No
		140	5700		14.00	11.96	No
		144	5720	1	14.00	11.93	No
		149	5745		17.00	14.93	No
		153	5765		17.00	14.83	No
	U-NII-3	157	5785		17.00	14.81	No
		161	5805		17.00	14.64	No
		165	5825		17.00	14.63	No
				Data	T	Average	
5GHz	mode	Channel	Frequency(MHz)	Data	Tune	Power	SAR Test
			, , ,	Rate(Mbps)	up	(dBm)	
	11 111 4	38	5190		11.50	9.25	No
	U-NII-1	46	5230		14.50	12.03	No
	11 111 04	54	5270		14.50	12.24	No
	U-NII-2A	62	5310		11.50	9.22	No
		102	5510		11.50	9.19	No
802.11ac		110	5550		14.50	11.98	No
40M		118	5590	MCS0	14.50	11.84	No
	U-NII-2C	126	5630	1	14.50	11.91	No
		134	5670		14.50	12.21	No
		142	5710		11.50	9.09	No
		151	5755	-	14.50	12.25	No
	U-NII-3	159	5795		14.50	12.09	No
		100	0.00	_		Average	110
5GHz	mode	Channel	Frequency(MHz)	Data	Tune	Power	SAR Test
301.12		- Criainioi	1 104001103 (1111 12)	Rate(Mbps)	up	(dBm)	0,
						I WOLIT	
	U-NII-1	42	5210		11.50		No
	U-NII-1 U-NII-2A	42 58	5210 5290		11.50 11.50	8.85	No No
802.11ac	U-NII-1 U-NII-2A	58	5290		11.50	8.85 8.73	No
802.11ac 80M	U-NII-2A	58 106	5290 5530	MCS0	11.50 11.50	8.85 8.73 8.46	No No
802.11ac 80M		58 106 122	5290 5530 5610	MCS0	11.50 11.50 13.00	8.85 8.73 8.46 9.74	No No No
	U-NII-2A U-NII-2C	58 106 122 138	5290 5530 5610 5690	MCS0	11.50 11.50 13.00 11.50	8.85 8.73 8.46 9.74 8.55	No No No No
	U-NII-2A	58 106 122 138 155	5290 5530 5610		11.50 11.50 13.00	8.85 8.73 8.46 9.74	No No No
	U-NII-2A U-NII-2C	58 106 122 138 155	5290 5530 5610 5690 5775	we	11.50 11.50 13.00 11.50 13.00	8.85 8.73 8.46 9.74 8.55 10.11	No No No No
80M	U-NII-2A U-NII-2C U-NII-3	58 106 122 138 155 WIFIS	5290 5530 5610 5690 5775 6GHz Ant2 Full Por	we Data	11.50 11.50 13.00 11.50 13.00	8.85 8.73 8.46 9.74 8.55 10.11	No No No No No
	U-NII-2A U-NII-2C	58 106 122 138 155	5290 5530 5610 5690 5775 6GHz Ant2 Full Por	we	11.50 11.50 13.00 11.50 13.00	8.85 8.73 8.46 9.74 8.55 10.11 Average Power	No No No No
80M	U-NII-2A U-NII-2C U-NII-3	58 106 122 138 155 WIFIS	5290 5530 5610 5690 5775 6GHz Ant2 Full Pov Frequency(MHz)	we Data	11.50 11.50 13.00 11.50 13.00 Tune up	8.85 8.73 8.46 9.74 8.55 10.11 Average Power (dBm)	No No No No No
80M	U-NII-2A U-NII-2C U-NII-3 mode	58 106 122 138 155 WIFIS	5290 5530 5610 5690 5775 6GHz Ant2 Full Por Frequency(MHz)	we Data	11.50 11.50 13.00 11.50 13.00 Tune up	8.85 8.73 8.46 9.74 8.55 10.11 Average Power (dBm) 9.64	No No No No No SAR Test
80M	U-NII-2A U-NII-2C U-NII-3	58 106 122 138 155 WIFIS Channel	5290 5530 5610 5690 5775 5GHz Ant2 Full Por Frequency(MHz) 5180 5200	we Data	11.50 11.50 13.00 11.50 13.00 Tune up 11.00 14.00	8.85 8.73 8.46 9.74 8.55 10.11 Average Power (dBm) 9.64 12.55	No No No No SAR Test
80M	U-NII-2A U-NII-2C U-NII-3 mode	58 106 122 138 155 WIFIS Channel 36 40 44	5290 5530 5610 5690 5775 6GHz Ant2 Full Por Frequency(MHz) 5180 5200 5220	we Data	11.50 11.50 13.00 11.50 13.00 Tune up 11.00 14.00	8.85 8.73 8.46 9.74 8.55 10.11 Average Power (dBm) 9.64 12.55 12.64	No N
80M	U-NII-2A U-NII-2C U-NII-3 mode	58 106 122 138 155 WIFIS Channel 36 40 44 48	5290 5530 5610 5690 5775 6GHz Ant2 Full Pov Frequency(MHz) 5180 5200 5220 5240	we Data	11.50 11.50 13.00 11.50 13.00 Tune up 11.00 14.00 14.00	8.85 8.73 8.46 9.74 8.55 10.11 Average Power (dBm) 9.64 12.55 12.64 12.72	No N
80M	U-NII-2A U-NII-2C U-NII-3 mode U-NII-1	58 106 122 138 155 WIFIS Channel 36 40 44 48 52	5290 5530 5610 5690 5775 6GHz Ant2 Full Pov Frequency(MHz) 5180 5200 5220 5240 5260	we Data	11.50 11.50 13.00 11.50 13.00 Tune up 11.00 14.00 14.00 14.00	8.85 8.73 8.46 9.74 8.55 10.11 Average Power (dBm) 9.64 12.55 12.64 12.72	No N
5GHz	U-NII-2A U-NII-2C U-NII-3 mode	58 106 122 138 155 WIFIS Channel 36 40 44 48 52 56	5290 5530 5610 5690 5775 5GHz Ant2 Full Por Frequency(MHz) 5180 5200 5220 5240 5260 5280	Data Rate(Mbps)	11.50 13.00 11.50 13.00 11.50 13.00 Tune up 11.00 14.00 14.00 14.00 14.00	8.85 8.73 8.46 9.74 8.55 10.11 Average Power (dBm) 9.64 12.55 12.64 12.72 12.96 13.01	No N
80M	U-NII-2A U-NII-2C U-NII-3 mode U-NII-1	58 106 122 138 155 WIFIS Channel 36 40 44 48 52 56 60	5290 5530 5610 5690 5775 5GHz Ant2 Full Por Frequency(MHz) 5180 5200 5220 5240 5260 5280 5300	we Data	11.50 11.50 13.00 11.50 13.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00	8.85 8.73 8.46 9.74 8.55 10.11 Average Power (dBm) 9.64 12.55 12.64 12.72 12.96 13.01 13.15	No N
5GHz	U-NII-2A U-NII-2C U-NII-3 mode U-NII-1	58 106 122 138 155 WIFIS Channel 36 40 44 48 52 56 60 64	5290 5530 5610 5690 5775 5GHz Ant2 Full Por Frequency(MHz) 5180 5200 5220 5240 5260 5280 5300 5320	Data Rate(Mbps)	11.50 11.50 13.00 11.50 13.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00	8.85 8.73 8.46 9.74 8.55 10.11 Average Power (dBm) 9.64 12.55 12.64 12.72 12.96 13.01 13.15 10.23	No N
5GHz	U-NII-2A U-NII-2C U-NII-3 mode U-NII-1	58 106 122 138 155 WIFIS Channel 36 40 44 48 52 56 60 64 100	5290 5530 5610 5690 5775 6GHz Ant2 Full Por Frequency(MHz) 5180 5200 5220 5240 5260 5260 5280 5300 5320 5500	Data Rate(Mbps)	11.50 13.00 11.50 13.00 11.50 13.00 14.00 14.00 14.00 14.00 14.00 14.00 11.00	8.85 8.73 8.46 9.74 8.55 10.11 Average Power (dBm) 9.64 12.55 12.64 12.72 12.96 13.01 13.15 10.23 9.82	No Yes Yes Yes Yes
5GHz	U-NII-2A U-NII-2C U-NII-3 mode U-NII-1	58 106 122 138 155 WIFIS Channel 36 40 44 48 52 56 60 64 100 104	5290 5530 5610 5690 5775 6GHz Ant2 Full Por Frequency(MHz) 5180 5200 5220 5240 5260 5260 5260 5300 5320 5500 5500	Data Rate(Mbps)	11.50 13.00 11.50 13.00 11.50 13.00 14.00 14.00 14.00 14.00 14.00 14.00 11.00 11.00 14.00	8.85 8.73 8.46 9.74 8.55 10.11 Average Power (dBm) 9.64 12.55 12.64 12.72 12.96 13.01 13.15 10.23 9.82 12.83	No Yes No Yes Yes Yes Yes
5GHz	U-NII-2A U-NII-2C U-NII-3 mode U-NII-1	58 106 122 138 155 WIFIS Channel 36 40 44 48 52 56 60 64 100 104 108	5290 5530 5610 5690 5775 5GHz Ant2 Full Por Frequency(MHz) 5180 5200 5220 5240 5260 5280 5300 5300 5320 5500 5520 5500 5520 5540	Data Rate(Mbps)	11.50 11.50 13.00 11.50 13.00 11.50 13.00 14.00 14.00 14.00 14.00 14.00 11.00 11.00 14.00 14.00	8.85 8.73 8.46 9.74 8.55 10.11 Average Power (dBm) 9.64 12.55 12.64 12.72 12.96 13.01 13.15 10.23 9.82 12.83 12.87	No N
5GHz	U-NII-2A U-NII-2C U-NII-3 mode U-NII-1	58 106 122 138 155 WIFIS Channel 36 40 44 48 52 56 60 64 100 104 108 112	5290 5530 5610 5690 5775 6GHz Ant2 Full Por Frequency(MHz) 5180 5200 5220 5240 5260 5280 5300 5320 5520 5520 5540 5520 5540 5560	Data Rate(Mbps)	11.50 11.50 13.00 11.50 13.00 11.50 13.00 11.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00	8.85 8.73 8.46 9.74 8.55 10.11 Average Power (dBm) 9.64 12.55 12.64 12.72 12.96 13.01 13.15 10.23 9.82 12.83 12.87 13.02	No N
5GHz	U-NII-2A U-NII-2C U-NII-3 mode U-NII-1	58 106 122 138 155 WIFIS Channel 36 40 44 48 52 56 60 64 100 104 108	5290 5530 5610 5690 5775 5GHz Ant2 Full Por Frequency(MHz) 5180 5200 5220 5240 5260 5280 5300 5300 5320 5500 5520 5500 5520 5540	Data Rate(Mbps)	11.50 11.50 13.00 11.50 13.00 11.50 13.00 14.00 14.00 14.00 14.00 14.00 11.00 11.00 14.00 14.00	8.85 8.73 8.46 9.74 8.55 10.11 Average Power (dBm) 9.64 12.55 12.64 12.72 12.96 13.01 13.15 10.23 9.82 12.83 12.87	No N

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_								
Ī			124	5620		14.00	13.18	No
			128	5640		14.00	13.22	No
			132	5660		14.00	13.35	Yes
			136	5680		14.00	13.08	No
			140	5700		11.00	10.62	No
			144	5720		11.00	10.35	Yes
			149	5745		14.00	12.81	Yes
			153	5765		14.00	12.61	No
		U-NII-3	157	5785		14.00	12.52	Yes
			161	5805		14.00	12.43	No
			165	5825		14.00	12.56	Yes
	5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
Ī			36	5180		11.00	9.57	No
		U-NII-1	40	5200		14.00	12.62	No
		U-INII- I	44	5220		14.00	12.52	No
			48	5240		14.00	12.77	No
			52	5260		14.00	13.01	No
		II NIII OA	56	5280		14.00	12.98	No
		U-NII-2A	60	5300		14.00	13.12	No
			64	5320		11.00	10.11	No
			100	5500		11.00	9.89	No
			104	5520		14.00	12.91	No
			108	5540		14.00	12.93	No
			112	5560		14.00	13.15	No
	802.11n-HT20		116	5580	MCS0	14.00	13.05	No
		U-NII-2C	120	5600		14.00	13.18	No
		O MII-ZO	124	5620		14.00	13.28	No
			128	5640		14.00	13.31	No
			132	5660		14.00	13.24	No
			136	5680		14.00	13.17	No
			140	5700		11.00	10.19	No
			144	5720		11.00	9.96	No
			149	5745		14.00	12.88	No
			153	5765		14.00	12.92	No
		U-NII-3	157	5785		14.00	12.66	No
			161	5805		14.00	12.67	No
ļ			165	5825		14.00	12.69	No
	5011		01		Data	Tune	Average	0.45
	5GHz	mode	Channel	Frequency(MHz)	Rate(Mbps)	up	Power (dBm)	SAR Test
		U-NII-1	38	5190		10.00	8.46	No
7			46	5230		11.50	9.87	No
		U-NII-2A	54	5270		11.50	10.25	No
			62	5310		10.00	8.92	No
	802.11n-HT40		102	5510	MCS0	10.00	8.79	No
			110	5550		11.50	10.51	No
		U-NII-2C	118	5590		11.50	10.59	No
			126	5630	-	11.50	10.79	No
			134	5670		11.50	10.72	No
			142	5710		10.00	9.09	No

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SGHz					1			
SGHz		H-NII-3	151	5755		11.50	10.47	No
SGHz		0 1411 0	159	5795		11.50		No
SGHz					Data	Tuna	Average	
U-NII-1	5GHz	mode	Channel	Frequency(MHz)				SAR Test
U-NII-1					rtate(IVIDP3)	ир	(dBm)	
V-NII-2A			36	5180		11.00	9.77	No
A		LI NIII 1	40	5200		14.00	12.55	No
BOZ.11ac Channel Frequency(MHz) U-NII-2A S6 S280		0-1111-1	44	5220		14.00	12.69	No
BOZ.11ac 20M			48	5240		14.00	12.78	No
BOZ.11ac 20M			52	5260]	14.00	12.92	No
802.11ac 20M			56	5280		14.00		No
802.11ac 20M		U-NII-2A						No
802.11ac 20M								
802.11ac 20M			_					
108								
802.11ac 20M					V			
116								
U-NII-2C 120					MCSO			
U-NII-2C	20M				IVIOCO			
128		U-NII-2C						
132 5660 136 5680 14.00 13.34 No 136 5680 140 5700 144 5720 11.00 9.98 No 11.00 9.98 No 11.00 9.98 No 14.00 12.99 No 14.00 12.99 No 14.00 12.81 No 12.81 No 12.81 No 12.81 No 12.81 No 12.86 No 14.00 12.86 No 14.00 12.86 No 14.00 12.85 No No 14.00 12.86 No 14.00 12.85 No No 14.00 12.85 No No 14.00 12.86 No 14.00 12.85 No No 14.00 12.86 No 14.00 12.86 No 14.00 12.85 No No 14.00 12.86 No 14.00 12.85 No No 14.00 12.86 No No No No No No No N								
136								
140								
144 5720 149 5745 14.00 12.99 No 14.00 12.91 No 14.00 12.81 No 14.00 12.67 No 14.00 12.56 No 14.00 12.56 No 14.00 12.56 No 14.00 12.55 No No No No No No No					-			
149 5745 153 5765 161 14.00 12.99 No 14.00 12.81 No 14.00 12.81 No 14.00 12.66 No 14.00 12.55 No 11.50 10.00 8.46 No 11.50 9.96 No 11.50 10.19 No 10.00 9.96 No 11.50 10.19 No 10.00 8.93 No 11.50 10.51 No 11.50 10.77 No 11.50 10.75 No 11.50 10.75 No 11.50 10.75 No 11.50 10.39 No 11.50 10.39 No 11.50 10.07 No No 11.50 10.07 No No No No No No No N					-			
U-NII-3 153			_					
U-NII-3								
161 5805 14.00 12.56 No 14.00 12.55 No No No No No No No		LLAULO						
Tune Power (dBm) SAR Test (dBm) SA		U-MII-3						
SGHz Mode Channel Frequency(MHz) Data Rate(Mbps) Tune up Power (dBm) SAR Test (dBm)								
SGHz Mode Channel Frequency(MHz) Rate(Mbps) Frequency(MHz) Rate(Mbps) Channel Power (dBm) SAR Test (dBm) Power (dBm) Power (dBm) SAR Test (dBm) Power (165	5825		14.00		No
SGHz Mode Channel Frequency(MHz) Rate(Mbps) up (dBm) SAR Test (dBm)	-0			_	Data	Tune		
U-NII-1	5GHz	mode	Channel	Frequency(MHz)				SAR Test
BOZ.11ac U-NII-2A 54 5270 11.50 9.96 No 11.50 10.19 No 10.00 9.01 No 10.00 8.93 No 11.50 10.51 No 10.00 10.51 No 11.50 10.51 No 11.50 10.77 No 11.50 10.75 No 11.50 10.75 No 11.50 10.68 No 11.50 10.39 No 11.50 10.07 No 11.50 10.00 8.41 No 10.00 8.66 No 10.00 8.66 No 10.00 8.51 No 10.00 10.00 8.51 No 10.00 10.00 8.51 No 10.00 10.					11010(1110)			
U-NII-2A 54 5270 11.50 9.96 No 11.50 10.19 No 10.00 9.01 No 10.00 8.93 No 11.50 10.51 No 11.50 10.51 No 11.50 10.77 No 11.50 10.75 No 11.50 10.75 No 11.50 10.75 No 11.50 10.75 No 11.50 10.68 No 11.50 10.39 No 11.50 10.07 No 11.50 10.00 8.41 No 10.00 8.66 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 8.51 No 10.00 10.0		U-NII-1						
802.11ac 40M								
802.11ac 40M		U-NII-2A						
No No No No No No No No		0 1tm 2/t						
U-NII-2C 118 5590 11.50 10.77 No 126 5630 134 5670 142 5710 151 5755 159 5795 11.50 10.07 No 150 159 5795 11.50 10.07 No No 150 159 5795 11.50 10.07 No No No No No No No N								
U-NII-2C 118 5590 11.50 10.77 No 126 5630 134 5670 11.50 10.68 No 142 5710 10.00 9.09 No 159 5795 11.50 10.07 No No No No No No No N					MCSO			
126 5630 11.50 10.75 No 11.50 10.68 No 142 5710 10.00 9.09 No 11.50 10.39 No 11.50 10.39 No 11.50 10.07 No No 159 5795 11.50 10.07 No No 159 5795 11.50 10.07 No No No No No No No N	40M	LI-NIII-2C			IVICOU		10.77	No
142 5710 10.00 9.09 No 11.50 10.39 No 11.50 10.39 No 11.50 10.07 No No 11.50 10.07 No No No No No No No N	T COOK	0-IVII-2C	126	5630		11.50	10.75	No
U-NII-3 151 5755 5795 11.50 10.39 No 11.50 10.07 No No 11.50 10.07 No No No No 11.50 10.07 No No No No No No No N			134	5670		11.50	10.68	No
SGHz MCS0 Tune Tune Power (dBm) SAR Test			142	5710		10.00	9.09	No
5GHz mode Channel Frequency(MHz) Data Rate(Mbps) Tune up Average Power (dBm) SAR Test 802.11ac U-NII-2A 58 5290 10.00 8.41 No 80M 11-NII-2C 106 5530 MCS0 10.00 8.51 No		LLAULO	151	5755		11.50	10.39	No
5GHz mode Channel Frequency(MHz) Data Rate(Mbps) Tune up Average Power (dBm) SAR Test 802.11ac 80M U-NII-2A 58 5290 10.00 8.41 No 10.00 8.66 No 10.00 8.51 No		U-MII-3	159	5795		11.50	10.07	No
5GHz mode Channel Frequency(MHz) Data Rate(Mbps) Turie up Power (dBm) SAR Test 802.11ac U-NII-2A 58 5290 10.00 8.41 No 80M 11-NII-2C 106 5530 MCS0 10.00 8.51 No					Deta			
U-NII-1 42 5210 10.00 8.41 No	5GHz	mode	Channel	Frequency(MHz)				SAR Test
802.11ac U-NII-2A 58 5290 MCS0 10.00 8.41 No 10.00 8.66 No 10.00 8.51 No					Rate(IVIDPS)	up		
802.11ac U-NII-2A 58 5290 MCS0 10.00 8.66 No 10.00 8.51 No		U-NII-1	42	5210		10.00		No
80M 11-NIII-2C 106 5530 MCS0 10.00 8.51 No	802.11ac				14000			
					MCS0			
		U-NII-2C	122	5610	1	10.00	8.88	No

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		T		<u>, </u>	ı	1	1
		138	5690		10.00	8.65	No
	U-NII-3	155	5775		10.00	8.23	No
		WIFIS	GHz CDD Full Pov	ver	1		1
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		36	5180		15.80	14.16	No
	U-NII-1	40	5200		18.80	16.98	No
	U-INII- I	44	5220		18.80	17.15	No
		48	5240		18.80	17.03	No
		52	5260		18.80	17.28	No
	U-NII-2A	56	5280		18.80	17.38	No
	U-MII-ZA	60	5300		18.80	17.33	No
		64	5320		15.80	14.44	No
		100	5500		15.80	14.26	No
		104	5520		18.80	17.17	No
		108	5540		18.80	17.13	No
		112	5560		18.80	17.22	No
802.11a		116	5580	12	18.80	17.33	No
	11 NIII 00	120	5600		18.80	17.24	No
	U-NII-2C	124	5620		18.80	17.24	No
		128	5640		18.80	17.25	No
		132	5660		18.80	17.43	No
		136	5680		18.80	17.35	No
		140	5700		15.80	14.67	No
		144	5720		15.80	14.51	No
		149	5745		18.80	17.40	No
		153	5765		18.80	17.26	No
	U-NII-3	157	5785		18.80	17.13	No
		161	5805		18.80	17.03	No
		165	5825		18.80	17.11	No
			GHz MIMO Full Po	wer			
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		36	5180		15.80	13.86	No
	11 800 4	40	5200	1	18.80	16.71	No
	U-NII-1	44	5220	1	18.80	16.70	No
		48	5240	1	18.80	16.71	No
		52	5260		18.80	16.91	No
		56	5280		18.80	17.01	No
	U-NII-2A	60	5300		18.80	17.01	No
		64	5320		15.80	14.10	No
802.11n-HT20		100	5500	MCS8	15.80	13.94	No
		104	5520		18.80	16.87	No
		108	5540	1	18.80	16.81	No
		112	5560	1	18.80	16.89	No
	U-NII-2C	116	5580	1	18.80	16.85	No
	U-NII-2C						
		120	5600		18.80	1 16.98	INO
		120 124	5600 5620	-	18.80 18.80	16.98 16.92	No No
		120 124 128	5600 5620 5640		18.80 18.80 18.80	16.98 16.92 17.04	No No

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		_						
Ī			136	5680		18.80	17.01	No
			140	5700		15.80	14.10	No
			144	5720		15.80	14.10	No
			149	5745		18.80	17.02	No
			153	5765		18.80	16.98	No
		U-NII-3	157	5785		18.80	16.83	No
		•	161	5805		18.80	16.80	No
			165	5825		18.80	16.80	No
f							Average	
1	5GHz	mode	Channel	Frequency(MHz)	Data	Tune	Power	SAR Test
.(Rate(Mbps)	up	(dBm)	
		LI NIII 4	38	5190		13.80	11.89	No
		U-NII-1	46	5230		16.30	14.11	No
		11 111 04	54	5270		16.30	14.35	No
		U-NII-2A	62	5310		13.80	12.09	No
			102	5510	V	13.80	11.98	No
	000 44 11740		110	5550	14000	16.30	13.79	No
	802.11n-HT40		118	5590	MCS8	16.30	14.26	No
		U-NII-2C	126	5630		16.30	14.37	No
			134	5670		16.30	14.56	No
			142	5710		13.80	12.10	No
			151	5755		16.30	14.50	No
		U-NII-3	159	5795		16.30	14.20	No
Ī				3.33	5 .		Average	
_	5GHz	mode	Channel	Frequency(MHz)	Data	Tune	Power	SAR Test
					Rate(Mbps)	up	(dBm)	
			36	5180		15.80	13.96	No
		LI NIII 4	40	5200		18.80	16.69	No
		U-NII-1	44	5220		18.80	16.71	No
			48	5240		18.80	16.71	No
			52	5260		18.80	16.92	No
		U-NII-2A	56	5280		18.80	17.02	No
		U-MII-ZA	60	5300		18.80	17.01	No
			64	5320		15.80	14.04	No
			100	5500		15.80	13.96	No
			104	5520		18.80	16.92	No
			108	5540		18.80	16.88	No
	902 1100		112	5560		18.80	16.88	No
	802.11ac 20M		116	5580	MCS8	18.80	16.91	No
	ZUIVI	LI NIII OC	120	5600		18.80	17.01	No
		U-NII-2C	124	5620		18.80	16.92	No
			128	5640		18.80	17.08	No
			132	5660		18.80	17.07	No
			136	5680		18.80	16.98	No
			140	5700		15.80	14.20	No
			144	5720		15.80	14.07	No
			149	5745		18.80	17.08	No
			153	5765		18.80	16.95	No
- 1		U-NII-3	157	5785		18.80	16.88	No
		U-NII-3			_			
			161	5805		18.80	16.73	No

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	5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		U-NII-1	38	5190		13.80	11.88	No
		U-IVII- I	46	5230		16.30	14.13	No
		U-NII-2A	54	5270		16.30	14.35	No
		U-INII-ZA	62	5310		13.80	12.13	No
			102	5510		13.80	12.07	No
	802.11ac		110	5550	MCS8	16.30	14.32	No
	40M	U-NII-2C	118	5590	IVICSO	16.30	14.35	No
Л		U-INII-2C	126	5630		16.30	14.38	No
			134	5670		16.30	14.52	No
			142	5710		13.80	12.10	No
f		U-NII-3	151	5755		16.30	14.43	No
		0-1111-3	159	5795		16.30	14.21	No
	5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		U-NII-1	42	5210		13.80	11.65	No
		U-NII-2A	58	5290		13.80	11.71	No
	802.11ac		106	5530	MCS8	13.80	11.50	No
	80M	U-NII-2C	122	5610	IVICOO	14.80	12.34	No
			138	5690		13.80	11.61	No
		U-NII-3	155	5775		14.80	12.28	No

		WIFI	5GHz Ant1 receiver	on(head scene)			
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		36	5180		11.00	10.46	No
	U-NII-1	40	5200		11.00	10.55	No
	U-INII- I	44	5220		11.00	10.47	No
		48	5240		11.00	10.45	No
		52	5260		11.00	10.52	No
	U-NII-	56	5280		11.00	10.61	No
	2A	60	5300	6	11.00	10.55	No
		64	5320		11.00	10.59	No
		100	5500		9.00	8.27	No
802.11a		104	5520		9.00	8.09	No
002.11d		108	5540		9.00	8.01	No
		112	5560		9.00	8.14	No
		116	5580		9.00	8.11	No
	U-NII-	120	5600		9.00	8.06	No
	2C	124	5620		9.00	8.07	No
		128	5640		9.00	8.10	No
		132	5660		9.00	8.32	No
		136	5680		9.00	8.37	No
		140	5700		9.00	8.41	No
		144	5720		9.00	8.17	No

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		149	5745		9.00	8.72	No
		153	5765		9.00	8.71	No
	U-NII-3	157	5785		9.00	8.47	No
		161	5805		9.00	8.37	No
		165	5825		9.00	8.45	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		36	5180		11.00	9.96	No
	LLAULA	40	5200		11.00	9.75	No
	U-NII-1	44	5220		11.00	9.88	No
		48	5240		11.00	9.85	No
		52	5260		11.00	9.91	No
	U-NII-	56	5280		11.00	10.08	No
	2A	60	5300		11.00	9.94	No
		64	5320		11.00	10.14	No
		100	5500		9.00	7.77	No
		104	5520	1	9.00	7.63	No
		108	5540	1	9.00	7.51	No
		112	5560		9.00	7.65	No
802.11n-HT20		116	5580	MCS0	9.00	7.44	No
	U-NII-	120	5600		9.00	7.54	No
	2C	124	5620		9.00	7.56	No
		128	5640		9.00	7.64	No
		132	5660		9.00	7.73	No
		136	5680		9.00	7.81	No
		140	5700		9.00	7.94	No
		144	5720		9.00	7.77	No
		149	5745		9.00	8.02	No
		153	5765		9.00	7.91	No
	U-NII-3	157	5785	=	9.00	8.05	No
		161	5805	=	9.00	7.93	No
		165	5825	=	9.00	7.67	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
764	H NIII 4	38	5190		11.00	9.88	No
	U-NII-1	46	5230		11.00	9.73	No
	U-NII-	54	5270		11.00	9.85	No
	2A	62	5310		11.00	9.82	No
		102	5510		9.00	8.02	No
802.11n-HT40		110	5550	MCS0	9.00	7.95	No
	U-NII-	118	5590		9.00	7.76	No
	2C	126	5630		9.00	7.79	No
		134	5670		9.00	8.02	No
		142	5710		9.00	8.03	No
	U-NII-3	151	5755		9.00	8.09	No

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		159	5795		9.00	7.82	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		36	5180		11.00	9.97	No
	11 8111 4	40	5200		11.00	9.95	No
	U-NII-1	44	5220		11.00	9.86	No
		48	5240		11.00	9.74	No
		52	5260		11.00	10.22	No
	U-NII-	56	5280		11.00	9.96	No
	2A	60	5300		11.00	9.95	No
		64	5320		11.00	10.23	No
		100	5500		9.00	7.67	No
		104	5520		9.00	7.64	No
		108	5540		9.00	7.63	No
000.44		112	5560		9.00	7.45	No
802.11ac 20M		116	5580	MCS0	9.00	7.52	No
20101	U-NII-	120	5600		9.00	7.61	No
	2C	124	5620		9.00	7.67	No
		128	5640		9.00	7.63	No
		132	5660		9.00	7.86	No
		136	5680		9.00	7.78	No
		140	5700		9.00	7.83	No
		144	5720		9.00	7.81	No
1 6		149	5745		9.00	8.11	No
		153	5765		9.00	7.97	No
	U-NII-3	157	5785		9.00	7.81	No
		161	5805		9.00	7.79	No
		165	5825		9.00	7.77	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
	U-NII-1	38	5190		11.00	9.94	No
	O-INII-1	46	5230		11.00	9.86	No
	U-NII-	54	5270		11.00	9.88	No
	2A	62	5310		11.00	9.99	No
		102	5510		9.00	7.96	No
802.11ac		110	5550	MCSO	9.00	7.69	No
40M	U-NII-	118	5590	MCS0	9.00	7.76	No
	2C	126	5630		9.00	7.83	No
		134	5670		9.00	7.98	No
		142	5710		9.00	8.05	No
	LLNII o	151	5755		9.00	8.14	No
	U-NII-3	159	5795		9.00	7.83	No

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100							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
	U-NII-1	42	5210		11.00	9.32	No
	U-NII- 2A	58	5290		11.00	9.21	Yes
802.11ac 80M	U-NII-	106	5530	MCS0	9.00	7.24	Yes
OUIVI	2C	122	5610		9.00	7.14	Yes
	20	138	5690		9.00	7.32	Yes
	U-NII-3	155	5775		9.00	7.38	Yes
		WIFI	5GHz Ant2 receiver of	on(head scene)			
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		36	5180		11.00	10.56	No
	U-NII-1	40	5200		11.00	10.38	No
	U-MII- I	44	5220	1	11.00	10.41	No
		48	5240	1	11.00	10.57	No
		52	5260	1	11.00	10.59	No
	U-NII-	56	5280	1	11.00	10.56	No
	2A	60	5300	1	11.00	10.51	No
		64	5320		11.00	10.50	No
		100	5500		11.00	10.81	No
		104	5520		11.00	10.57	No
		108	5540		11.00	10.71	No
		112	5560		11.00	10.82	No
802.11a		116	5580	6	11.00	10.88	No
	U-NII-	120	5600	1	11.00	10.74	No
	2C	124	5620	1	11.00	10.67	No
		128	5640		11.00	10.74	No
		132	5660		11.00	10.74	No
		136	5680	1	11.00	10.72	No
		140	5700	1	11.00	10.61	No
		144	5720	1	11.00	10.85	No
		149	5745	1	11.00	10.39	No
		153	5765		11.00	10.42	No
	U-NII-3	157	5785		11.00	10.37	No
		161	5805		11.00	10.39	No
		165	5825		11.00	10.60	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		36	5180		11.00	9.98	No
	11 8111 4	40	5200]	11.00	9.81	No
900 11° UT00	U-NII-1	44	5220	MCCO	11.00	9.84	No
802.11n-HT20		48	5240	MCS0	11.00	9.78	No
	U-NII-	52	5260	1	11.00	10.10	No
	2A	56	5280		11.00	10.09	No

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60 5300 11.00 10.07 11.00 10.07 11.00 10.07 11.00 10.01 11.00 10.01 11.00 10.25 11.00 10.25 11.00 10.25 11.00 10.25 11.00 10.25 11.00 10.25 11.00 10.25 11.00 10.25 11.00 10.05 11.00 10.05 11.00 10.05 11.00 10.05 11.00 10.18 11.00 10.18 11.00 10.33 11.00 10.33 11.00 10.33 11.00 10.33 11.00 10.33 11.00 10.31 11.00 10.31 11.00 10.31 11.00 10.31 11.00 10.31 11.00 10.31 11.00 10.31 11.00 10.16 11.00 10.31 11.00 10.16 11.00 10.16 11.00 10.16 11.00 10.16 11.00 10.18 11.00 10.18 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.83								
100 5500 11.00 10.25 11.00 10.25 11.00 10.21 11.00 10.21 11.00 10.21 11.00 10.21 11.00 10.05 11.00 10.18 11.00 10.18 11.00 10.18 11.00 10.18 11.00 10.17 11.00 10.18 11.00 10.33 11.00 10.33 11.00 10.33 11.00 10.33 11.00 10.33 11.00 10.35 13.2 5660 11.00 10.35 13.6 5680 11.00 10.35 13.6 5680 11.00 10.16 11.00 10.35 13.6 5680 11.00 10.16 11.00 10.16 11.00 10.16 11.00 10.16 11.00 10.16 11.00 10.18 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.86 11.00 9.86 11.00 9.86 11.00 9.57 11.00 9.57 11.00 9.57 11.00 9.57 11.00 9.57 11.00 9.57 11.00 9.58 11.00 9.58 11.00 9.58 11.00 9.58 11.00 9.58 11.00 9.58 11.00 9.57 11.00 9.58 11.00 9.5	No	10.07	11.00		5300	60		
104 5520 11.00 10.21 11.00 10.21 11.00 10.05 11.00 10.05 11.00 10.18 11.00 10.18 11.00 10.18 11.00 10.33 11.00 10.33 11.00 10.33 11.00 10.33 11.00 10.35 11.00 10.35 11.00 10.35 11.00 10.35 11.00 10.35 11.00 10.35 11.00 10.35 11.00 10.35 11.00 10.16 11.00 10.35 11.00 10.16 11.00 10.16 11.00 10.16 11.00 10.16 11.00 10.16 11.00 10.16 11.00 10.16 11.00 10.16 11.00 10.18	No	10.01	11.00		5320	64		
108 5540 11.00 10.05 11.00 10.05 11.00 10.18 11.00 10.18 11.00 10.18 11.00 10.18 11.00 10.33 11.00 10.33 11.00 10.33 11.00 10.33 11.00 10.32 11.00 10.33 11.00 10.33 11.00 10.32 136 5680 11.00 10.31 11.00 10.31 11.00 10.31 11.00 10.14 11.00 10.14 11.00 10.14 11.00 10.14 11.00 10.18 11	No	10.25	11.00		5500	100		
112 5560 116 5580 11.00 10.18 11.00 10.18 11.00 10.17 11.00 10.17 11.00 10.33 11.00 10.32 11.00 10.33 11.00 10.35 11.00 10.35 11.00 10.35 11.00 10.35 11.00 10.35 11.00 10.35 11.00 10.36 11.00 10.36 11.00 10.36 11.00 10.16 11.00 10.16 11.00 10.16 11.00 10.18 11	No	10.21	11.00		5520	104	:	
U-NII-2C	No	10.05	11.00		5540	108		
U-NII-2C	No	10.18	11.00		5560	112		
U-NII-2C	No					116		
C	No				5600		U-NII-	
128	No	10.32	11.00		5620	124		
132 5660 11.00 10.35 136 5680 11.00 10.16 11.00 10.16 11.00 10.16 11.00 10.14 11.00 10.14 11.00 10.13 11.00 10.13 11.00 10.13 11.00 10.13 11.00 10.13 11.00 10.18 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.83	No		11.00		5640	128		
136 5680 11.00 10.16 11.00 10.16 11.00 10.16 11.00 10.14 11.00 10.14 11.00 10.03 11.00 10.03 11.00 10.18 11.00 9.88 11.00 9.94 11.00 9.83 11.00 9.79 11.00 9.79 11.00 9.79 11.00 9.79 11.00 9.79 11.00 9.79 11.00 9.79 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.08 11.00 9.75 11.00 9.75 11.00 9.61 11.00 9.61 11.00 9.61 11.00 9.08 11.00 9.61 11.00 9.08 11.00 9.61 11.00 9.08	No							
140 5700 11.00 10.14 11.00 10.03 11.00 10.03 11.00 10.03 11.00 10.03 11.00 10.18 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.86 11.00 9.86 11.00 9.86 11.00 9.86 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.85 11.00 9.57 11.00 9.57 11.00 9.57 11.00 9.57 11.00 9.79 10.00 8.89 10.00 8.86 11.00 9.81 11.00 9.81 11.00 10.09 11.00 10.13 11.00 10.09 11.00 10.13 11.00 9.08 11.00 9.0	No							
144 5720 11.00 10.03 11.00 10.18 11.00 10.18 11.00 10.18 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.86 11.00 9.86 11.00 9.86 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.85 11.00 9.57 11.00 9.57 11.00 9.57 11.00 9.57 11.00 9.57 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.81 11.00 10.09 11.00 10.13 11.00 10.13 11.00 10.13 11.00 10.13 11.00 9.08 11.00 9.08 11.00 9.08 11.00 9.08 11.00 9.08 11.00 9.08 11.00 9.08 11.00 9.08 11.00 9.08 11.00 9.08 11.00 9.08 11.00 9.08 11.00 9.08 11.00 9.61 11.00	No							
149 5745 153 5765 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.94 11.00 9.86 11.00 9.86 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.83 11.00 9.85 11.00 9.57 11.00 9.57 11.00 9.57 11.00 9.57 11.00 9.79 10.00 8.89 11.00 9.79 10.00 8.86 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.88 11.00 9.75 11.00 9.75 11.00 9.75 11.00 9.75 11.00 9.75 11.00 9.75 11.00 9.61 11.00 10.00 11.00 10.00	No							
U-NII-3	No							
U-NII-3	No	-						
Time Frequency Frequency	No						U-NII-3	
Tune Power (dBm) SGHz Tune Power (dBm)	No						• •	
5GHz mode Channel Frequency(MHz) Data Rate(Mbps) Tune up Average Power (dBm) U-NII-1 2A 38 5190 46 5230 5310 54 5270 62 5310 102 5510 11.00 9.79 10.00 8.89 10.00 8.89 10.00 8.89 10.00 8.89 10.00 8.89 10.00 8.89 10.00 8.86 11.00 9.08 11.00 9.08 11.00 9.08 11.00 9.08 11.00 9.81 11.00 10.09 11.00 10.09 11.00 10.09 11.00 10.13 10.00 9.08 11.	No							
5GHz mode Channel Frequency(MHz) Data Rate(Mbps) Tune up Power (dBm) U-NII-1 38 5190 10.00 8.44 U-NII-2A 54 5230 11.00 9.57 10-NII-2A 62 5310 10.00 8.89 102 5510 10.00 8.86 11.00 9.08 11.00 9.08 11.00 9.81 11.00 9.81 11.00 134 5670 11.00 10.09 11.00 10.13 10.00 9.08 11.00 9.75 11.00 9.75 11.00 9.75 11.00 9.75 11.00 9.08 11.00 9.08 11.00 9.75 11.00 9.75 11.00 9.75 11.00 9.61 V-NII-3 159 5795 10.00 40.00 10.00 9.61 10.00 9.61 10.00 10.00 10.00 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>								
U-NII-1 38 5190 10.00 8.44 11.00 9.57 11.00 9.79 10.00 8.89 10.00 8.86 11.00 9.81 11.00 9.81 11.00 9.81 11.00 9.75 11.00 9.08	SAR Test				Frequency(MHz)	Channel	mode	5GHz
U-NII-1 38 5190 10.00 8.44 11.00 9.57 11.00 9.57 11.00 9.57 11.00 9.57 11.00 9.79 10.00 8.89 10.00 8.89 10.00 8.86 11.00 9.81 11.00 9.81 11.00 9.81 11.00 10.09 134 5670 11.00 9.08 11.00 9.08 11.00 10.13 10.00 9.08 11.00 9.75 11.00 9.75 11.00 9.75 11.00 9.61			up	Rate(Mbps)	- 1 7(/			
802.11n-HT40	No	8.44	10.00		5190	38		
802.11n-HT40	No	9.57	11.00		5230		U-NII-1	
802.11n-HT40	Yes	9.79	11.00		5270	54	U-NII-	
802.11n-HT40	Yes	8.89	10.00		5310	62		
U-NII-2C 118 5590 11.00 9.81 11.00 10.09 134 5670 142 5710 151 5755 11.00 9.75 11.00 9.75 11.00 9.61	Yes	8.86	10.00		5510	102		
U-NII- 2C 126 5630 11.00 10.09 11.00 10.09 11.00 10.13 10.00 9.81 11.00 10.09 11.00 10.13 10.00 9.81 11.00 9.81 11.00 10.09 11.00 10.13 10.00 9.08 11.00 9.75 11.00 9.75 11.00 9.61 11.00 9.61 Tune up Average Power (dBm)	No	9.08	11.00	M000	5550	110		000 44 - 11740
134 5670 11.00 10.13 142 5710 10.00 9.08 11.00 9.75 11.00 9.75 11.00 9.61 159 5795 11.00 9.61 Average Power (dBm)	No	9.81	11.00	MCSU	5590	118	U-NII-	802.11n-H140
142 5710 U-NII-3 151 5755 159 5795 11.00 9.75 11.00 9.61 Tune QHERRATE (Mbps) Average Power (dBm)	No	10.09	11.00		5630	126	2C	
142 5710 U-NII-3 151 5755 159 5795 11.00 9.75 11.00 9.61 Tune QHERRATE Average Power (dBm)	Yes	10.13	11.00		5670	134		
5GHz mode Channel Frequency(MHz) Data Rate(Mbps) Tune up Power (dBm)	Yes	9.08			5710	142		
5GHz mode Channel Frequency(MHz) Data Rate(Mbps) Tune Power (dBm)	Yes	9.75	11.00		5755	151		
5GHz mode Channel Frequency(MHz) Data Tune Power (dBm)	Yes	9.61	11.00		5795	159	U-NII-3	
5GHz mode Channel Frequency(MHz) Data Tune Rate(Mbps) Power (dBm)				-				
(dBm)	SAR Test				Frequency(MHz)	Channel	mode	5GHz
36 5180 11.00 0.00		(dBm)	up	Rate(IVIDPS)				
30 3100 11.00 9.90	No	9.98	11.00		5180	36		
40 5200 11.00 9.79	No	9.79	11.00		5200	40		
U-NII-1 44 5220 11.00 9.83	No	9.83		`	5220	44	U-IIII-T	
48 5240 11.00 9.78	No		11.00		5240	48		
802.11ac 52 5260 MCCO 11.00 10.12	No	10.12	11.00	MCCC	5260	52		802.11ac
20M U-NII- 56 5280 MCS0 11.00 10.12	No			IVICS0			U-NII-	
2A 60 5300 11.00 10.06	No	10.06						
64 5320 11.00 10.13	No							
U-NII- 100 5500 11.00 10.19	No						U-NII-	
2C 104 5520 11.00 10.17	No							

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		108	5540		11.00	10.16	No
		112	5560		11.00	10.18	No
		116	5580		11.00	10.23	No
		120	5600		11.00	10.31	No
		124	5620		11.00	10.35	No
		128	5640		11.00	10.28	No
		132	5660		11.00	10.25	No
		136	5680		11.00	10.13	No
		140	5700		11.00	10.12	No
		144	5720		11.00	10.05	No
		149	5745		11.00	9.98	No
		153	5765		11.00	9.93	No
	U-NII-3	157	5785		11.00	9.98	No
		161	5805		11.00	9.79	No
		165	5825		11.00	9.96	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
	U-NII-1	38	5190		10.00	8.49	No
	U-INII- I	46	5230		11.00	9.57	No
	U-NII-	54	5270		11.00	9.64	No
	2A	62	5310		10.00	8.83	No
		102	5510		10.00	9.03	No
802.11ac		110	5550	MCCO	11.00	9.85	No
40M	U-NII-	118	5590	MCS0	11.00	10.14	No
	2C	126	5630		11.00	10.08	No
		134	5670		11.00	10.07	No
		142	5710		10.00	9.07	No
	11 1111 0	151	5755		11.00	9.99	No
	U-NII-3	159	5795		11.00	9.64	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
	U-NII-1	42	5210		10.00	8.01	No
222	U-NII- 2A	58	5290		10.00	8.25	No
802.11ac 80M	LLAIII	106	5530	MCS0	10.00	8.31	No
OUIVI	U-NII- 2C	122	5610		10.00	8.33	No
	20	138	5690		10.00	8.17	No
	U-NII-3	155	5775		10.00	7.85	No
		WIFI	5GHz CDD receiver	on(head scene)			
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		36	5180		14.00	13.52	No
802.11a	U-NII-1	40	5200	12	14.00	13.48	No
		44	5220		14.00	13.45	No
			•				

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	48	5240	14.00	13.52	No
	52	5260	14.00	13.57	No
U-NII-	56	5280	14.00	13.60	No
2A	60	5300	14.00	13.54	No
	64	5320	14.00	13.56	No
	100	5500	13.10	12.73	No
	104	5520	13.10	12.52	No
	108	5540	13.10	12.58	No
	112	5560	13.10	12.69	No
h l	116	5580	13.10	12.72	No
U-NII-	120	5600	13.10	12.61	No
2C	124	5620	13.10	12.57	No
	128	5640	13.10	12.63	No
	132	5660	13.10	12.71	No
	136	5680	13.10	12.71	No
	140	5700	13.10	12.66	No
	144	5720	13.10	12.72	No
	149	5745	13.10	12.65	No
	153	5765	13.10	12.66	No
U-NII-3	157	5785	13.10	12.53	No
	161	5805	13.10	12.51	No
	165	5825	13.10	12.67	No

WIFI5GHz MIMO receiver on(head scene)

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		36	5180		14.00	12.98	No
	U-NII-1	40	5200		14.00	12.79	No
	U-INII- I	44	5220		14.00	12.87	No
		48	5240		14.00	12.83	No
		52	5260		14.00	13.02	No
	U-NII-	56	5280		14.00	13.10	No
	2A	60	5300	MCS8	14.00	13.02	No
		64	5320		14.00	13.09	No
		100	5500		13.10	12.20	No
802.11n-HT20		104	5520		13.10	12.12	No
		108	5540		13.10	11.97	No
		112	5560		13.10	12.11	No
		116	5580		13.10	12.03	No
	U-NII- 2C	120	5600	1	13.10	12.17	No
	20	124	5620	1	13.10	12.17	No
		128	5640	1	13.10	12.19	No
		132	5660	1	13.10	12.25	No
		136	5680	1	13.10	12.15	No
		140	5700]	13.10	12.19	No

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		144	5720		13.10	12.06	No
		149	5745		13.10	12.24	No
		153	5765		13.10	12.02	No
	U-NII-3	157	5785		13.10	12.11	No
		161	5805		13.10	12.01	No
		165	5825		13.10	11.89	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
	U-NII-1	38	5190		13.50	12.23	No
	U-INII- I	46	5230		14.00	12.66	No
	U-NII-	54	5270		14.00	12.83	No
	2A	62	5310		13.50	12.39	No
		102	5510		12.50	11.47	No
000 44 × LIT40		110	5550	MOCO	13.10	11.56	No
802.11n-HT40	U-NII-	118	5590	MCS8	13.10	11.92	No
	2C	126	5630	1	13.10	12.10	No
		134	5670		13.10	12.21	No
		142	5710		12.50	11.60	No
		151	5755	1	13.10	12.01	No
	U-NII-3	159	5795	1	13.10	11.82	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
		36	5180		14.00	12.99	No
	U-NII-1	40	5200		14.00	12.88	No
	0 1411 1	44	5220		14.00	12.86	No
		48	5240		14.00	12.77	No
		52	5260	_	14.00	13.18	No
	U-NII-	56	5280	_	14.00	13.14	No
	2A	60	5300		14.00	13.02	No
		64	5320		14.00	13.19	No
		100	5500		13.10	12.12	No
		104	5520		13.10	12.10	No
802.11ac		108	5540		13.10	12.09	No
20M		112	5560	MCS8	13.10	12.04	No
20111		116	5580		13.10	12.09	No
	U-NII-	120	5600		13.10	12.18	No
	2C	124	5620		13.10	12.22	No
		128	5640	_	13.10	12.16	No
		132	5660		13.10	12.23	No
		136	5680		13.10	12.12	No
		140	5700		13.10	12.14	No
		144	5720		13.10	12.08	No
		149	5745		13.10	12.16	No
	U-NII-3	450	5705	-	1 40 40	40.07	
		153 157	5765 5785		13.10 13.10	12.07 12.04	No No

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		161	5805		13.10	11.91	No
		165	5825		13.10	12.01	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
	U-NII-1	38	5190		13.50	11.42	No
	O-INII- I	46	5230		14.00	13.44	No
	U-NII-	54	5270		14.00	13.44	No
	2A	62	5310		13.50	11.23	No
		102	5510		12.50	10.55	No
802.11ac		110	5550	MCS8	13.10	12.48	No
40M	U-NII-	118	5590	IVICSO	13.10	12.56	No
	2C	126	5630		13.10	12.56	No
		134	5670		13.10	12.73	No
		142	5710		12.50	10.75	No
	U-NII-3	151	5755		13.10	13.03	No
	U-INII-3	159	5795		13.10	13.01	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
	U-NII-1	42	5210		13.50	11.73	No
	U-NII- 2A	58	5290		13.50	11.77	No
802.11ac	LLAIII	106	5530	MCS8	12.50	10.82	No
80M	U-NII- 2C	122	5610		12.50	10.79	No
	20	138	5690		12.50	10.78	No
	U-NII-3	155	5775		12.50	10.63	No

Table 17: Conducted Power Of WIFI

Note:

- a) Power must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band.
- b) Power measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.
 - 1) When the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured.
 - 2) When the same highest maximum output power is specified for multiple largest channel bandwidth configurations with the same lowest order modulation or lowest order modulation and lowest data rate, power measurement is required for all equivalent 802.11 configurations with the same maximum output power.
- c) For each transmission mode configuration, power must be measured for the highest and lowest channels; and at the mid-band channel(s) when there are at least 3 channels. For configurations with multiple mid-band channels, due to an even number of channels, both channels should be measured.

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	BT		Tune up	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)	(dBm)	GFSK
	0	2402	11.00	9.01
GFSK	5	2407	11.00	9.16
	10	2412	11.00	9.19
	11	2413	11.70	10.43
GFSK	39	2441	11.70	10.52
	58	2460	11.70	10.49
	59	2461	11.20	9.87
GFSK	65	2467	11.20	9.91
	70	2472	11.20	9.76
	71	2473	10.30	9.28
GFSK	75	2477	10.30	9.31
	78	2480	10.30	9.24
	0	2402	6.00	3.55
π/4DQPSK	5	2407	6.00	3.12
	10	2412	6.00	3.74
	11	2413	6.50	4.43
π/4DQPSK	39	2441	6.50	4.85
DQ: O.K	58	2460	6.50	4.79
	59	2461	6.30	4.12
π/4DQPSK	65	2467	6.30	4.24
II/4DQI OIK	70	2472	6.30	4.51
	71	2473	5.00	2.96
π/4DQPSK	75	2477	5.00	2.90
II/4DQI SIK	78	2480	5.00	2.81
	0	2402	6.00	3.49
8DPSK	5	2407	6.00	3.10
ODI OK	10	2412	6.00	3.73
	11	2413	6.50	4.28
8DPSK	39	2441	6.50	4.72
ODPSK	58	2460	6.50	4.72
	59	2461	6.30	4.07
8DPSK	65	2467	6.30	
ODPSK	70		6.30	4.09
	70	2472	5.00	4.49
ODDCK		2473		2.84
8DPSK	75	2477	5.00	2.82
	78 BLE	2480	5.00	2.69
Madulation			Tune up	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)	(dBm)	GFSK
OFOK	0	2402	5.00	1.28
GFSK	3	2408	5.00	1.85
	5	2412	5.00	2.06
0501	6	2414	5.30	2.16
GFSK	19	2440	5.30	2.26
	31	2464	5.30	1.71
0=6::	32	2466	5.10	1.58
GFSK	33	2468	5.10	1.72
	34	2470	5.10	1.25
GFSK	35	2472	3.70	0.97

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37	2476	3.70	0.28
39	2480	3.70	-0.23

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

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8.2 Stand-alone SAR test evaluation

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

Average Test Frequency Calculate **Exclusion Exclusion** Frea. **Position Power** Separation Value **Band** (GHz) Threshold (Y/N) $m\overline{W}$ dBm (mm) Head 11.7 14.79 4.66 3 Ν 0 14.79 Υ Body-worn 11.7 15 1.55 3 Bluetooth 2.48 14.79 Hotspot 11.7 10 2.33 3

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

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

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8.3 Measurement of SAR Data

8 3 1 SAR Result of GSM850

					nt1 Test data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
					ead Test data			•		•
Left cheek	GSM	190/836.6	1:8.3	0.128	-0.02	32.75	33.60	1.216	0.156	22.1
Left tilted	GSM	190/836.7	1:8.3	0.081	0.07	32.75	33.60	1.216	0.099	22.1
Right cheek	GSM	190/836.8	1:8.3	0.214	-0.01	32.75	33.60	1.216	0.260	22.1
Right tilted	GSM	190/836.9	1:8.3	0.079	0.14	32.75	33.60	1.216	0.096	22.1
Right cheek	GSM	128/824.2	1:8.3	0.225	-0.04	32.59	33.60	1.262	0.284	22.1
Right cheek	GSM	251/848.8	1:8.3	0.181	0.07	32.81	33.60	1.199	0.217	22.1
J J						se with Battery 2				
Right cheek	GSM	128/824.2	1:8.3	0.214	0.03	32.59	33.60	1.262	0.270	22.1
ragni onook	00	120/02 1.2				se with Battery 3		1.202	0.270	
Right cheek	GSM	128/824.2	1:8.3	0.221	0.00	32.59	33.60	1.262	0.279	22.1
INIGHT CHECK	GOIVI	120/024.2			est data(Sepa		33.00	1.202	0.219	22.1
Front side	GSM	190/836.6	1:8.3	0.298	-0.12	32.75	33.60	1.216	0.362	22.1
	GSM				0.07				+	
Back side		190/836.6	1:8.3	0.327		32.75	33.60	1.216	0.398	22.1
Front side	GPRS 2TS	190/836.6	1:4.15	0.365	-0.09	30.59	32.00	1.384	0.505	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.440	0.06	30.59	32.00	1.384	0.609	22.1
Back side	GPRS 2TS	128/824.2	1:4.15	0.398	-0.10	30.42	32.00	1.439	0.573	22.1
Back side	GPRS 2TS	251/848.8	1:4.15	0.419	0.09	30.57	32.00	1.390	0.582	22.1
						ase with Battery				
Back side	GPRS 2TS	190/836.6	1:4.15	0.418	0.01	30.59	32.00	1.384	0.578	22.1
			Body wor	n Test data	at the worst o	ase with Battery	3#			
Back side	GPRS 2TS	190/836.6	1:4.15	0.413	-0.04	30.59	32.00	1.384	0.571	22.1
				Hotspot Tes	t data(Separa	ate 10mm)				
Front side	GPRS 2TS	190/836.6	1:4.15	0.562	-0.10	30.59	32.00	1.384	0.778	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.599	0.07	30.59	32.00	1.384	0.829	22.1
Left side	GPRS 2TS	190/836.6	1:4.15	0.119	-0.05	30.59	32.00	1.384	0.165	22.1
Right side	GPRS 2TS	190/836.6	1:4.15	0.431	-0.05	30.59	32.00	1.384	0.596	22.1
Bottom side	GPRS 2TS	190/836.6	1:4.15	0.417	0.08	30.59	32.00	1.384	0.577	22.1
Back side	GPRS 2TS	128/824.2	1:4.15	0.471	0.08	30.42	32.00	1.439	0.678	22.1
Back side	GPRS 2TS	251/848.8	1:4.15	0.652	-0.08	30.57	32.00	1.390	0.906	22.1
	•		Hotspot Tes	t Data at the	worst case v	with Battery 2#(1	0mm)	,		
Back side	GPRS 2TS	251/848.8	1:4.15	0.633	-0.03	30.57	32.00	1.390	0.880	22.1
	1		Hotspot Tes	t Data at the	worst case v	with Battery 3#(1	0mm)			
Back side	GPRS 2TS	251/848.8	1:4.15	0.561	0.04	30.57	32.00	1.390	0.780	22.1
				Aı	nt2 Test data		L			
Test	Toot made	Test	Duty Cycle	SAR	Power	Conducted	Tune up	Scaled	Scaled	Liquid
position	Test mode	Ch./Freq.	Duty Cycle	(W/kg)1-g	Drift(dB)	Power(dBm)	Limit(dBm)	factor	SAR(W/kg)	Temp
				He	ead Test data	l				
Left cheek	GSM	190/836.6	1:8.3	0.61	0.05	29.62	30.60	1.253	0.764	22.1
Left tilted	GSM	190/836.6	1:8.3	0.497	0.08	29.62	30.60	1.253	0.623	22.1
Right cheek	GSM	190/836.6	1:8.3	0.553	-0.03	29.59	30.60	1.262	0.698	22.1
Right tilted	GSM	190/836.6	1:8.3	0.577	0.14	29.59	30.60	1.262	0.728	22.1
Left cheek	GSM	128/824.2	1:8.3	0.613	0.02	29.49	30.60	1.291	0.792	22.1
Left cheek	GSM	251/848.8	1:8.3	0.579	-0.02	29.61	30.60	1.256	0.727	22.1
	1					se with Battery 2				
Left cheek	GSM	128/824.2	1:8.3	0.564	0.11	29.49	30.60	1.291	0.728	22.1
LOTT OFFICER	I COIVI	120/027.2				se with Battery 3		1.201	0.720	۷۷.۱
Left cheek	GSM	128/824.2	1:8.3	0.529	0.07	29.49	30.60	1.291	0.683	22.1
Leit Clieck	GOW	120/024.2	1.0.3	0.029	0.07	23.43	30.00	1.291	0.003	۷۷.۱

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			В	ody worn Te	est data(Sepa	rate 15mm)							
Front side	GSM	190/836.6	1:8.3	0.093	0.04	33.05	33.60	1.135	0.105	22.1			
Back side	GSM	190/836.6	1:8.3	0.083	-0.13	33.05	33.60	1.135	0.094	22.1			
Front side	GPRS 2TS	190/836.6	1:4.15	0.227	0.04	31.13	32.00	1.222	0.277	22.1			
Back side	GPRS 2TS	190/836.6	1:4.15	0.220	-0.08	31.13	32.00	1.222	0.269	22.1			
Front side	GPRS 2TS	128/824.2	1:4.15	0.231	0.01	31.01	32.00	1.256	0.290	22.1			
Front side	GPRS 2TS	251/848.8	1:4.15	0.230	0.01	31.22	32.00	1.197	0.275	22.1			
			Body wor	n Test data	at the worst of	ase with Battery	2#						
Front side	GPRS 2TS	128/824.2	1:4.15	0.234	0.03	31.01	32.00	1.256	0.294	22.1			
	Body worn Test data at the worst case with Battery 3#												
Front side	GPRS 2TS	128/824.2	1:4.15	0.227	0.05	31.01	32.00	1.256	0.285	22.1			
				Hotspot Tes	t data(Separa	ate 10mm)		18					
Front side	GPRS 2TS	190/836.6	1:4.15	0.209	0.05	27.94	29.00	1.276	0.267	22.1			
Back side	GPRS 2TS	190/836.6	1:4.15	0.198	-0.01	27.94	29.00	1.276	0.253	22.1			
Left side	GPRS 2TS	190/836.6	1:4.15	0.082	-0.05	27.94	29.00	1.276	0.104	22.1			
Right side	GPRS 2TS	190/836.6	1:4.15	0.189	-0.04	27.94	29.00	1.276	0.241	22.1			
Top side	GPRS 2TS	190/836.6	1:4.15	0.144	-0.04	27.94	29.00	1.276	0.184	22.1			
Front side	GPRS 2TS	128/824.2	1:4.15	0.231	0.14	27.88	29.00	1.294	0.299	22.1			
Front side	GPRS 2TS	251/848.8	1:4.15	0.196	0.07	27.92	29.00	1.282	0.251	22.1			
			Hotspot Tes	st Data at the	e worst case v	with Battery 2#(1	0mm)						
Front side	GPRS 2TS	128/824.2	1:4.15	0.194	0.09	27.88	29.00	1.294	0.251	22.1			
			Hotspot Tes	st Data at the	e worst case v	with Battery 3#(1	0mm)						
Front side	GPRS 2TS	128/824.2	1:4.15	0.211	-0.08	27.88	29.00	1.294	0.273	22.1			

Table 18: SAR of GSM850 for Head and Body(Original report E5/2018/C0055).

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台灣檢驗科技股份有限公司 t (886-2) 2299-3279

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號 t (886-2) 2299-3279 f (886-2) 2298-0488 www.tw.sgs.com



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			Ar	nt1 Test data	l						
Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp		
			Head Test	data at the w	orst case						
GSM	128/824.2	1:8.3	0.191	0.06	32.59	33.60	1.262	0.241	22.1		
Body worn Test data at the worst case (Separate 15mm)											
GPRS 2TS	190/836.6	1:4.15	0.363	0.05	30.59	32.00	1.384	0.502	22.1		
		Hotspot T	est data at t	he worst cas	e (Separate 10m	m)					
GPRS 2TS	251/848.8	1:4.15	0.605	-0.02	30.57	32.00	1.390	0.841	22.1		
Ant2 Test data											
Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp		
				data at the w	orst case						
GSM	128/824.2	1:8.3	0.601	-0.14	29.49	30.60	1.291	0.776	22.1		
		Body wor	n Test data	at the worst o	ase with Battery	2#					
GPRS 2TS	128/824.2	1:4.15	0.099	-0.06	27.05	29.00	1.567	0.155	22.1		
		Hotspot T	est data at t	he worst cas	e (Separate 10m	m)					
GPRS 2TS	128/824.2	1:4.15	0.125	0.00	24.11	26.00	1.545	0.193	22.1		
	Ant	2 Additional	Test data(s	imultaneous	s transmission v	with WIFI)					
Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp		
			He	ead Test data	1	<u> </u>					
GSM	190/836.6	1:8.3	0.322	-0.06	26.71	27.60	1 227	0.205	22.1		
	GSM GPRS 2TS GPRS 2TS Test mode GSM GPRS 2TS GPRS 2TS Test mode	GSM 128/824.2 GPRS 2TS 190/836.6 GPRS 2TS 251/848.8 Test mode Test Ch./Freq. GSM 128/824.2 GPRS 2TS 128/824.2 GPRS 2TS 128/824.2 Ant: Test mode Test mode Test Ch./Freq.	GSM 128/824.2 1:8.3 Body worn GPRS 2TS 190/836.6 1:4.15 Hotspot T GPRS 2TS 251/848.8 1:4.15 Test mode Test Ch./Freq. Duty Cycle GSM 128/824.2 1:8.3 Body worn GPRS 2TS 128/824.2 1:4.15 GPRS 2TS 128/824.2 1:4.15 GPRS 2TS 128/824.2 1:4.15 Test mode Test Ch./Freq. Duty Cycle GPRS 2TS 128/824.2 1:4.15 GPRS 2TS 128/824.2 1:4.15 Ant2 Additional Test mode Ch./Freq. Duty Cycle	Test mode Test Ch./Freq. Duty Cycle SAR (W/kg)1-g GSM 128/824.2 1:8.3 0.191 Body worn Test data at Set GPRS 2TS 190/836.6 1:4.15 0.363 Hotspot Test data at test data at test data at test data. GPRS 2TS 251/848.8 1:4.15 0.605 Ar Test mode Duty Cycle SAR (W/kg)1-g Head Test GSM 128/824.2 1:8.3 0.601 Body worn Test data at test data distributed at test data at test data distributed at test data distri	Test mode Test Ch./Freq. Duty Cycle SAR (W/kg)1-g (W/kg)1-g (W/kg)1-g (W/kg)1-g) Power Drift(dB) GSM 128/824.2 1:8.3 0.191 0.06 Body worn Test data at the worst cas GPRS 2TS 190/836.6 1:4.15 0.363 0.05 Hotspot Test data at the worst cas GPRS 2TS 251/848.8 1:4.15 0.605 -0.02 Ant2 Test data Ch./Freq. Duty Cycle SAR (W/kg)1-g (W/kg)1-g Power Drift(dB) Head Test data at the worst data at the worst data at the worst cas GPRS 2TS 128/824.2 1:4.15 0.099 -0.06 Hotspot Test data at the worst cas GPRS 2TS 128/824.2 1:4.15 0.125 0.00 Ant2 Additional Test data(simultaneous Test mode Test (W/kg)1-g (W/kg)1-g Power Drift(dB) Head Test data	Ch./Freq. Duty Cycle (W/kg)1-g Drift(dB) Power(dBm)	Test mode	Test mode	Test mode		

Table 19: SAR of GSM850 for Head and Body(Original report E5/2018/C0055)

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					nt1 Test data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
				Head Test	data at the w	orst case				
Right cheek	GSM	128/824.2	1:8.3	0.224	0.11	32.59	33.60	1.262	0.283	22.1
			Hea	d Test Data	at the worst o	ase with SIM2				
Right cheek	GSM	128/824.2	1:8.3	0.219	0.02	32.59	33.60	1.262	0.276	22.1
			Body worn	Test data a	t the worst ca	se (Separate 15	mm)			
Back side	GPRS 2TS	190/836.6	1:4.15	0.336	-0.04	30.59	32.00	1.384	0.465	22.1
		Boo	dy worn Test	data at the	worst case wi	th SIM2 (Separa	te 15mm)			
Back side	GPRS 2TS	190/836.6	1:4.15	0.324	0.03	30.59	32.00	1.384	0.448	22.1
			Hotspot T	est data at t	he worst cas	e (Separate 10m	m)			
Back side	GPRS 2TS	251/848.8	1:4.15	0.612	0.02	30.57	32.00	1.390	0.851	22.1
		Н	otspot Test d	ata at the w	orst case with	SIM2 (Separate	10mm)			
Back side	GPRS 2TS	251/848.8	1:4.15	0.605	-0.02	30.57	32.00	1.390	0.841	22.1
				Ar	nt2 Test data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
				Head Test	data at the w	orst case		•		-
Left cheek	GSM	128/824.2	1:8.3	0.662	-0.03	29.49	30.60	1.291	0.855	22.1
			Head	d Test Data	at the worst o	ase with SIM2				
Left cheek	GSM	128/824.2	1:8.3	0.658	0.08	29.49	30.60	1.291	0.850	22.1
		Body	worn Test da	ata at the wo	rst case with	Battery 2#(Sepa	rate 15mm)			
Front side	GPRS 2TS	128/824.2	1:4.15	0.101	-0.06	27.05	29.00	1.567	0.158	22.1
		Boo	dy worn Test	data at the	worst case wi	th SIM2 (Separa	te 15mm)			
Front side	GPRS 2TS	128/824.2	1:4.15	0.094	-0.12	27.05	29.00	1.567	0.148	22.1
			Hotspot 7	est data at t	the worst cas	e (Separate 10m	m)			
Front side	GPRS 2TS	128/824.2	1:4.15	0.136	-0.15	24.11	26.00	1.545	0.210	22.1
			Hotspot T	est Data at	the worst cas	e with SIM2(10m	nm)			
Front side	GPRS 2TS	128/824.2	1:4.15	0.127	-0.06	24.11	26.00	1.545	0.196	22.1
		Ant	2 Additional	Test data(s	simultaneous	transmission v				
Test position	Test mode	Test Ch./Freq.	Duty Cycle	(w/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
				He	ead Test data			-		

Table 20: SAR of GSM850 for Head and Body(Variant).

Note:

- The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B 1)
- Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

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				Ant	1 Test data	1				
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g		Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
		I I		1	ad Test data		T		T	l
Left cheek	GSM	661/1880	1:8.3	0.063	0.18	30.25	31.00	1.189	0.075	22.3
Left tilted	GSM	661/1880	1:8.3	0.020	0.08	30.25	31.00	1.189	0.024	22.3
Right cheek	GSM	661/1880	1:8.3	0.054	0.06	30.25	31.00	1.189	0.064	22.3
Right tilted	GSM	661/1880	1:8.3	0.069	0.02	30.25	31.00	1.189	0.082	22.3
Right tilted	GSM	512/1850.2	1:8.3	0.055	0.12	30.24	31.00	1.191	0.066	22.3
Right tilted	GSM	810/1909.8	1:8.3	0.064	-0.03	30.33	31.00	1.167	0.075	22.3
District 1	0014	004/4000				se with Battery 2		4 400	0.054	00.0
Right tilted	GSM	661/1880	1:8.3	0.043	0.05	30.25	31.00	1.189	0.051	22.3
B						se with Battery 3				
Right tilted	GSM	661/1880	1:8.3	0.066	-0.01	30.25	31.00	1.189	0.078	22.3
				ody worn Tes		,			1	
Front side	GSM	661/1880	1:8.3	0.263	0.06	30.25	31.00	1.189	0.313	22.3
Back side	GSM	661/1880	1:8.3	0.254	-0.04	30.25	31.00	1.189	0.302	22.3
Front side	GPRS 2TS	661/1880	1:4.15	0.308	0.07	27.83	29.00	1.309	0.403	22.3
Back side	GPRS 2TS	661/1880	1:4.15	0.279	0.19	27.83	29.00	1.309	0.365	22.3
Front side	GPRS 2TS	512/1850.2	1:4.15	0.251	-0.04	27.81	29.00	1.315	0.330	22.3
Front side	GPRS 2TS	810/1909.8	1:4.15	0.305	0.05	27.79	29.00	1.321	0.403	22.3
				1		case with Batter				1
Front side	GPRS 2TS	661/1880	1:4.15	0.273	0.07	27.83	29.00	1.309	0.357	22.3
						case with Batter				1
Front side	GPRS 2TS	661/1880	1:4.15	0.270	0.01	27.83	29.00	1.309	0.353	22.3
	7		ŀ	lotspot Test	data(Separ	ate 10mm)		•		
Front side	GPRS 2TS	661/1880	1:4.15	0.212	0.02	26.61	28.00	1.377	0.292	22.3
Back side	GPRS 2TS	661/1880	1:4.15	0.231	-0.09	26.61	28.00	1.377	0.318	22.3
Left side	GPRS 2TS	661/1880	1:4.15	0.066	-0.07	26.61	28.00	1.377	0.090	22.3
Right side	GPRS 2TS	661/1880	1:4.15	0.022	-0.06	26.61	28.00	1.377	0.030	22.3
Bottom side	GPRS 2TS	661/1880	1:4.15	0.403	-0.08	26.61	28.00	1.377	0.555	22.3
Bottom side	GPRS 2TS	512/1850.2	1:4.15	0.353	-0.06	26.69	28.00	1.352	0.477	22.3
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.517	0.09	26.51	28.00	1.409	0.729	22.3
		Ho	tspot Test	Data at the	worst case	with Battery 2#(10mm)			
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.517	-0.01	26.51	28.00	1.409	0.729	22.3
		Ho	tspot Test	Data at the	worst case	with Battery 3#(10mm)			
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.495	-0.11	26.51	28.00	1.409	0.698	22.3
					2 Test data	1				
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
1 6				Hea	ad Test data	ì	0			
Left cheek	GSM	661/1880	1:8.3	0.366	0.11	27.96	28.50	1.132	0.414	22.3
Left tilted	GSM	661/1880	1:8.3	0.513	0.08	27.96	28.50	1.132	0.581	22.3
Right cheek	GSM	661/1880	1:8.3	0.447	0.10	26.98	27.50	1.127	0.504	22.3
Right tilted	GSM	661/1880	1:8.3	0.505	0.01	26.98	27.50	1.127	0.569	22.3
Left tilted	GSM	512/1850.2	1:8.3	0.279	0.06	27.92	28.50	1.143	0.319	22.3
Left tilted	GSM	810/1909.8	1:8.3	0.591	0.02	27.95	28.50	1.135	0.671	22.3
			Head T	est Data at th	ne worst ca	se with Battery 2	2#			
Left tilted	GSM	810/1909.8	1:8.3	0.584	0.01	27.95	28.50	1.135	0.663	22.3
	•			est Data at th	ne worst ca	se with Battery 3	3#	-	•	
Left tilted	GSM	810/1909.8	1:8.3	0.582	0.08	27.95	28.50	1.135	1	22.3

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			Во	dy worn Tes	t data(Sepa	arate 15mm)				
Front side	GSM	661/1880	1:8.3	0.063	0.09	30.91	31.50	1.146	0.072	22.3
Back side	GSM	661/1880	1:8.3	0.086	0.06	30.91	31.50	1.146	0.098	22.3
Front side	GPRS 2TS	661/1880	1:4.15	0.202	0.17	28.85	29.50	1.161	0.235	22.3
Back side	GPRS 2TS	661/1880	1:4.15	0.274	0.13	28.85	29.50	1.161	0.318	22.3
Back side	GPRS 2TS	512/1850.2	1:4.15	0.260	0.15	28.84	29.50	1.164	0.303	22.3
Back side	GPRS 2TS	810/1909.8	1:4.15	0.272	0.01	28.87	29.50	1.156	0.314	22.3
			Body worn	Test Data a	t the worst	case with Battery	/ 2#			
Back side	GPRS 2TS	661/1880	1:4.15	0.267	0.03	28.85	29.50	1.161	0.310	22.3
			Body worn	Test Data a	t the worst	case with Battery	3#	A		
Back side	GPRS 2TS	661/1880	1:4.15	0.266	0.04	28.85	29.50	1.161	0.309	22.3
			H	lotspot Test	data(Separ	ate 10mm)				
Front side	GPRS 2TS	661/1880	1:4.15	0.165	0.07	25.94	26.50	1.138	0.188	22.3
Back side	GPRS 2TS	661/1880	1:4.15	0.221	0.01	25.94	26.50	1.138	0.251	22.3
Left side	GPRS 2TS	661/1880	1:4.15	0.157	0.07	25.94	26.50	1.138	0.179	22.3
Right side	GPRS 2TS	661/1880	1:4.15	0.029	0.08	25.94	26.50	1.138	0.032	22.3
Top side	GPRS 2TS	661/1880	1:4.15	0.335	0.04	25.94	26.50	1.138	0.381	22.3
Top side	GPRS 2TS	512/1850.2	1:4.15	0.325	0.05	25.79	26.50	1.178	0.383	22.3
Top side	GPRS 2TS	810/1909.8	1:4.15	0.338	-0.05	25.89	26.50	1.151	0.389	22.3
		H	otspot Test	Data at the	worst case	with Battery 2#(1	0mm)			
Top side	GPRS 2TS	810/1909.8	1:4.15	0.335	-0.17	25.89	26.50	1.151	0.386	22.3
		H	otspot Test	Data at the	worst case	with Battery 3#(1	0mm)			
Top side	GPRS 2TS	810/1909.8	1:4.15	0.337	0.04	25.89	26.50	1.151	0.388	22.3

Table 21: SAR of GSM1900 for Head and Body(Original report E5/2018/C0055).

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

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				Ant	t1 Test data	3				
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
			10	Head Test d	ata at the w	orst case				
Right tilted	GSM	661/1880	1:8.3	0.056	-0.04	30.25	31.00	1.189	0.066	22.3
		E	Body worn	Test data at	the worst ca	ase (Separate 15	ōmm)			
Front side	GPRS 2TS	661/1880	1:4.15	0.250	-0.05	27.83	29.00	1.309	0.327	22.3
			Hotspot To	est data at th	ne worst cas	se (Separate 10r	nm)			
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.500	-0.10	24.60	26.00	1.380	0.690	22.3
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)10-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
		Pro	duct specif	ic 10g SAR 1	Test data se	ensor on(Separa	te 0mm)			
Bottom side	GPRS 2TS	661/1880	1:4.15	1.710	-0.14	26.81	28.00	1.315	2.249	22.3
Bottom side	GPRS 2TS	512/1850.2	1:4.15	1.680	0.03	26.89	28.00	1.291	2.169	22.3
Bottom side	GPRS 2TS	810/1909.8	1:4.15	1.720	-0.03	26.83	28.00	1.309	2.252	22.3
		Pro	duct specif	ic 10g SAR 1	Test data se	ensor off(Separa	te 9mm)			
Bottom side	GPRS 2TS	661/1880	1:4.15	0.661	-0.09	27.83	29.00	1.309	0.865	22.3
Bottom side	GPRS 2TS	512/1850.2	1:4.15	0.880	-0.08	27.81	29.00	1.315	1.157	22.3
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.528	-0.08	27.79	29.00	1.321	0.698	22.3
		Product specific	10g SAR	Test data at	the worst c	ase with Battery	2# (Separate 0	Omm)		
Bottom side	GPRS 2TS	810/1909.8	1:4.15	1.650	-0.18	26.83	28.00	1.309	2.160	22.3
		Product specific	10g SAR	Test data at	the worst c	ase with Battery	3# (Separate 0	Omm)	1	1
Bottom side	GPRS 2TS	810/1909.8	1:4.15	1.570	-0.06	26.83	28.00	1.309	2.055	22.3
	1				2 Test data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
		1		Head Test d	ata at the w	orst case				
Left tilted	GSM	810/1909.8	1:8.3	0.580	0.03	27.95	28.50	1.135	0.658	22.3
		E	Body worn	Test data at	the worst ca	ase (Separate 1	omm)			
Back side	GPRS 2TS	661/1880	1:4.15	0.109	-0.19	24.08	25.50	1.387	0.151	22.3
	1	1	Hotspot To			se (Separate 10r	nm)		1	•
Top side	GPRS 2TS		1:4.15	0.164	-0.03	21.12	22.50	1.374	0.225	22.3
	1	Ant2 A				s transmission				
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g		Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
				Hea	ad Test data	a				
Left tilted	GSM	661/1880	1:8.3	0.273	0.03	24.97	25.50	1.130	0.308	22.3

Table 22: SAR of GSM1900 for Head, Body and Limb (Original report E5/2018/C0055).

				Ant1 T	est data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
				ad Test data		st case				
Right tilted	GSM	661/1880	1:8.3	0.066	-0.01	30.25	31.00	1.189	0.079	22.1
		Н	lead Te	st Data at the	e worst cas	se with SIM2				
Right tilted	GSM	661/1880	1:8.3	0.054	-0.07	30.25	31.00	1.189	0.064	22.1
		Body w	orn Tes	t data at the	worst case	(Separate 15m	nm)			
Front side	GPRS 2TS	661/1880	1:4.15	0.295	-0.08	27.83	29.00	1.309	0.386	22.1
		Body worn T	est Data	a at the wors	t case with	SIM2(Separate	e 15mm)			
Front side	GPRS 2TS	661/1880	1:4.15	0.288	-0.07	27.83	29.00	1.309	0.377	22.1
		Hotsp	ot Test	data at the v	vorst case(Separate 10mm	า)			
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.654	-0.02	24.6	26	1.380	0.903	22.1
	•	Hotspot Te	st Data	at the worst	case with S	SIM2(Separate	10mm)	•	•	
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.640	-0.01	24.6	26	1.380	0.883	22.1

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Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)10-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
		Product sp	ecific 1	0g SAR Test	data sens	or on(Separate	0mm)			
Bottom side	GPRS 2TS	661/1880	1:4.15	1.840	-0.04	26.81	28.00	1.315	2.420	22.1
Bottom side	GPRS 2TS	512/1850.2	1:4.15	1.800	-0.01	26.89	28.00	1.291	2.324	22.1
Bottom side	GPRS 2TS	810/1909.8	1:4.15	1.530	-0.05	26.83	28.00	1.309	2.003	22.1
		Product sp	ecific 1	0g SAR Test	data sens	or off(Separate	9mm)			
Bottom side	GPRS 2TS	661/1880	1:4.15	0.704	0.06	27.83	29.00	1.309	0.922	22.1
Bottom side	GPRS 2TS	512/1850.2	1:4.15	0.624	-0.04	27.81	29.00	1.315	0.821	22.1
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.803	-0.05	27.79	29.00	1.321	1.061	22.1
		Product spe	ecific 10	g SAR Test	data at the	worst case with	h SIM2			
Bottom side	GPRS 2TS	661/1880	1:4.15	1.800	-0.01	26.81	28.00	1.315	2.367	22.1
		Product speci	fic 10g	SAR Test da	ta at the w	orst case with E	Battery 2#			
Bottom side	GPRS 2TS	661/1880	1:4.15	2.020	0.03	26.81	28.00	1.315	2.657	22.1
Bottom side-Repeat	GPRS 2TS	661/1880	1:4.15	2.030	-0.04	26.81	28.00	1.315	2.670	22.1
	Produc	ct specific 10g S	AR Tes	t data at the	worst case	with Battery 3	# (Separate 0r	nm)		
Bottom side	GPRS 2TS	661/1880	1:4.15	1.990	-0.06	26.81	28.00	1.315	2.617	22.1
				Ant2 T	est data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
	•		Hea	ad Test data	at the wors	st case	,			
Left tilted	GSM	810/1909.8	1:8.3	0.701	-0.02	27.95	28.50	1.135	0.796	22.1
		Н	lead Te	st Data at the	e worst cas	e with SIM2				
Left tilted	GSM	810/1909.8	1:8.3	0.697	-0.07	27.95	28.50	1.135	0.791	22.1
		Body w	orn Tes	t data at the	worst case	(Separate 15m	nm)			
Back side	GPRS 2TS	661/1880	1:4.15	0.106	0.09	24.08	28.50	1.387	0.147	22.1
		Bod	y worn	Test Data at	the worst of	ase with SIM2)
Back side	GPRS 2TS	661/1880	1:4.15	0.101	-0.14	24.08	28.50	1.387	0.140	22.1
		Hotsp	ot Test	data at the w	orst case (Separate 10mn	n)			
Top side	GPRS 2TS	661/1880	1:4.15	0.153	-0.01	20.95	28.50	1.429	0.219	22.1
		Hotspo	ot Test I	Data at the w	orst case v	vith SIM2(10mr	m)			
Top side	GPRS 2TS	661/1880	1:4.15	0.151	-0.09	20.95	28.50	1.429	0.216	22.1

Table 23: SAR of GSM1900 for Head, Body and Limb(Variant).

Note:

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

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

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 SGS Taiwan Ltd.
 No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

 收股份有限公司
 t (886-2) 2299-3279
 f (886-2) 2298-0488
 www.tw.sgs.com



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8.3.3 SAR Result of WCDMA Band II

					t1 Test data					
Test position	Test mode	Test	Duty	SAR (W/lsm)4 m	Power	Conducted	Tune up	Scaled	Scaled	Liquid
•		Ch./Freq.	Cycle	(W/kg)1-g ⊢△	Drift(dB) ad Test data	Power(dBm)	Limit(dBm)	factor	SAR(W/kg)	Temp
Left cheek	RMC	9400/1880	1:1	0.123	0.13	23.74	24.50	1.191	0.147	22.3
Left tilted	RMC	9400/1880	1:1	0.123	0.13	23.74	24.50	1.191	0.049	22.3
Right cheek	RMC	9400/1880	1:1	0.099	-0.08	23.74	24.50	1.191	0.043	22.3
Right tilted	RMC	9400/1880	1:1	0.079	0.17	23.74	24.50	1.191	0.094	22.3
Left cheek	RMC	9262/1852.4	1:1	0.079	0.17	23.77	24.50	1.183	0.094	22.3
Left cheek	RMC	9538/1907.6	1:1	0.122	-0.02	23.73	24.50	1.194	0.144	22.3
Leit Crieek	KIVIC	9536/1907.6			l .	e with Battery 2#		1.194	0.140	22.3
L oft abook	RMC	9400/1880	1:1	0.122	-0.05	23.74	24.50	1.191	0.145	22.3
Left cheek	KIVIC	9400/1000			l .			1.191	0.143	22.3
Left cheek	RMC	9400/1880	1:1	0.119	0.08	e with Battery 3# 23.74	24.50	1.191	0.142	22.3
Leit Cheek	KIVIC	9400/1880		Body worn Te			24.30	1.191	0.142	22.3
Front side	RMC	9400/1880	1:1	0.411	0.09	23.74	24.50	1.191	0.490	22.3
Back side	RMC	9400/1880		0.411	0.09	23.74	24.50	1.191	0.486	22.3
			1:1							
Front side	RMC	9262/1852.4	1:1	0.373	-0.17	23.77	24.50	1.183	0.441	22.3
Front side	RMC	9538/1907.6	1:1	0.425	0.02	23.73	24.50	1.194	0.507	22.3
					1	ase with Battery		T	1 1	
Front side	RMC	9538/1907.6	1:1	0.405	-0.05	23.73	24.50	1.194	0.484	22.3
						ase with Battery				
Front side	RMC	9538/1907.6	1:1	0.421	-0.14	23.73	24.50	1.194	0.503	22.3
				Hotspot Test	data(Separa	te 10mm)				
Front side	RMC	9400/1880	1:1	0.259	0.02	18.74	19.50	1.191	0.309	22.3
Back side	RMC	9400/1880	1:1	0.265	0.08	18.74	19.50	1.191	0.316	22.3
Left side	RMC	9400/1880	1:1	0.098	0.06	18.74	19.50	1.191	0.117	22.3
Right side	RMC	9400/1880	1:1	0.021	0.05	18.74	19.50	1.191	0.025	22.3
Bottom side	RMC	9400/1880	1:1	0.480	0.00	18.74	19.50	1.191	0.572	22.3
Bottom side	RMC	9262/1852.4	1:1	0.422	0.09	18.76	19.50	1.186	0.500	22.3
Bottom side	RMC	9538/1907.6	1:1	0.586	0.13	18.65	19.50	1.216	0.713	22.3
		ŀ	Hotspot Te	st Data at the	worst case v	ith Battery 2#(10	Omm)			
Bottom side	RMC	9538/1907.6	1:1	0.585	0.11	18.65	19.50	1.216	0.711	22.3
			Hotspot Te	st Data at the	worst case v	vith Battery 3#(10	Omm)	I		-
Bottom side	RMC	9538/1907.6	1:1	0.573	0.01	18.65	19.50	1.216	0.697	22.3
				An	t2 Test data					
Test position	Tost mode	Test	Duty	SAR	Power	Conducted	Tune up	Scaled	Scaled	Liquid
rest position	Test Illoue	Ch./Freq.	Cycle	(W/kg)1-g	Drift(dB)	Power(dBm)	Limit(dBm)	factor	SAR(W/kg)	Temp
					ad Test data					
Left cheek	RMC	9400/1880	1:1	0.390	0.04	18.89	19.50	1.151	0.449	22.3
Left tilted	RMC	9400/1880	1:1	0.536	0.06	18.89	19.50	1.151	0.617	22.3
Right cheek	RMC	9400/1880	1:1	0.426	-0.07	17.41	18.00	1.146	0.488	22.3
Right tilted	RMC	9400/1880	1:1	0.473	-0.04	17.41	18.00	1.146	0.542	22.3
Left tilted	RMC	9262/1852.4	1:1	0.319	0.05	18.88	19.50	1.153	0.368	22.3
Left tilted	RMC	9538/1907.6	1:1	0.687	0.14	18.77	19.50	1.183	0.813	22.3
			Head	Test Data at t	the worst cas	e with Battery 2#	<u> </u>			
Left tilted	RMC	9538/1907.6	1:1	0.675	0.10	18.77	19.50	1.183	0.799	22.3
			Head	Test Data at t	the worst cas	e with Battery 3#	ŧ	•	•	
Left tilted	RMC	9538/1907.6	1:1	0.670	0.13	18.77	19.50	1.183	0.793	22.3
				Body worn Tes			ı	1	1	
Frank state	RMC	9400/1880	1:1	0.158	0.16	22.73	23.50	1.194	0.189	22.3
Front side										

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Left tilted	RMC	9538/1907.6	1:1	0.322	0.04	15.32	16.00	1.169	0.377	22.3
est position	Test mode	Ch./Freq.	Cycle	(W/kg)1-g	Drift(dB) ad Test data	Power(dBm)	Limit(dBm)	factor	SAR(W/kg)	Temp
		Ant2 Test	Additiona Duty	I Test data(s SAR	imultaneous Power	transmission v	vith WIFI) Tune up	Scaled	Scaled	Liquid
Top side	RMC	9538/1907.6	1:1	0.296	0.00	19.14	20.00	1.219	0.361	22.3
		ŀ	Hotspot Te	st Data at the	worst case v	vith Battery 3#(10	Omm)			
Top side	RMC	9538/1907.6	1:1	0.283	0.00	19.14	20.00	1.219	0.345	22.3
		ŀ	lotspot Te	st Data at the	worst case v	vith Battery 2#(10	Omm)			
Top side	RMC	9538/1907.6	1:1	0.304	0.01	19.14	20.00	1.219	0.371	22.3
Top side	RMC	9262/1852.4	1:1	0.218	-0.02	19.22	20.00	1.197	0.261	22.3
Top side	RMC	9400/1880	1:1	0.241	0.09	19.23	20.00	1.194	0.288	22.3
Right side	RMC	9400/1880	1:1	0.028	0.01	19.23	20.00	1.194	0.033	22.3
Left side	RMC	9400/1880	1:1	0.103	0.03	19.23	20.00	1.194	0.123	22.3
Back side	RMC	9400/1880	1:1	0.172	0.08	19.23	20.00	1.194	0.205	22.3
Front side	RMC	9400/1880	1:1	0.121	0.05	19.23	20.00	1.194	0.144	22.3
24011 0.40		3330, 133113		Hotspot Test			20.00		0.011	
Back side	RMC	9538/1907.6	1:1	0.252	0.01	22.54	23.50	1.247	0.314	22.3
Dack side	TOTAL	3330/1307.0			7.100	ase with Battery	l	1.277	0.522	
Back side	RMC	9538/1907.6	1:1	0.258	0.09	22.54	23.50	1.247	0.322	22.3
Back side	RMC	9538/1907.6	1:1	0.284	0.01	22.54 ase with Battery	23.50	1.247	0.354	22.3
Back side	RMC	9262/1852.4	1:1	0.183	0.18	22.67	23.50	1.211	0.222	22.3

Table 24: SAR of WCDMA Band II for Head and Body(Original report E5/2018/C0055).

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

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				An	t1 Test data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
				Head Test of	data at the wo	orst case				
Left cheek	RMC	9400/1880	1:1	0.130	0.06	23.74	24.50	1.191	0.155	22.3
			Body wor	n Test data at	the worst ca	se (Separate 15r	nm)			
Front side	RMC	9538/1907.6	1:1	0.521	-0.07	23.73	24.50	1.194	0.622	22.3
			Hotspot	Test data at th	ne worst case	e (Separate 10m	m)			
Bottom side	RMC	9538/1907.6	1:1	0.710	-0.04	18.65	19.50	1.216	0.863	22.3
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)10-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
		Pr	oduct spe	cific 10g SAR	Test data ser	nsor on(Separate	0mm)			
Bottom side	RMC	9400/1880	1:1	1.670	-0.05	20.37	21.50	1.297	2.166	22.3
Bottom side	RMC	9262/1852.4	1:1	1.770	-0.08	20.30	21.50	1.318	2.333	22.3
Bottom side	RMC	9538/1907.6	1:1	1.660	-0.05	20.40	21.50	1.288	2.138	22.3
		Pr	oduct spe	cific 10g SAR	Test data ser	nsor off(Separate	9mm)			
Bottom side	RMC	9400/1880	1:1	1.030	-0.04	23.74	24.50	1.191	1.227	22.3
Bottom side	RMC	9262/1852.4	1:1	0.934	-0.01	23.77	24.50	1.183	1.105	22.3
Bottom side	RMC	9538/1907.6	1:1	1.310	-0.11	23.73	24.50	1.194	1.564	22.3
		Produ	ct specific	10g SAR Tes	t data at the	worst case with	Battery 2#			
Bottom side	RMC	9262/1852.4	1:1	1.510	-0.04	20.30	21.50	1.318	1.991	22.3
		Produ	ct specific	10g SAR Tes	t data at the	worst case with	Battery 3#			
Bottom side	RMC	9262/1852.4	1:1	1.730	-0.02	20.30	21.50	1.318	2.281	22.3
					t2 Test data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
				Head Test of	data at the wo	orst case				
Left tilted	RMC	9538/1907.6	1:1	0.654	0.04	17.77	19.00	1.327	0.868	22.3
			Body wor	n Test data at	the worst ca	se (Separate 15r	nm)			
Back side	RMC	9538/1907.6	1:1	0.380	-0.04	22.54	23.50	1.247	0.474	22.3
			Hotspot	Test data at the	ne worst case	e (Separate 10m	m)			
Top side	RMC	9538/1907.6	1:1	0.457	-0.13	19.14	20.00	1.219	0.557	22.3

Table 25: SAR of WCDMA Band II for Head, Body and Limb(Original report E5/2018/C0055).

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

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					1 Test data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
				Head Test d			,	10.0101	((<u></u>)	
Left cheek	RMC	9400/1880	1:1	0.134	-0.04	23.74	24.50	1.191	0.160	22.1
			Hea		t the worst ca	ase with SIM2				L
Left cheek	RMC	9400/1880	1:1	0.126	-0.07	23.74	24.50	1.191	0.150	22.1
						se (Separate 15n		1		
Front side	RMC	9538/1907.6	1:1	0.508	-0.01	23.73	24.50	1.194	0.607	22.1
T TOTAL GIAG	TUVIO					th SIM2(Separat		11.101	0.007	
Front side	RMC	9538/1907.6	1:1	0.484	0.07	23.73	24.50	1.194	0.578	22.1
1 TOTA SIGO	Tawio	3000/1307.0				(Separate 10mi		1.104	0.070	22.1
Bottom side	RMC	9538/1907.6	1:1	0.679	-0.14	18.65	19.50	1.216	0.826	22.1
Bottom side	KIVIC				_	SIM2(Separate		1.210	0.820	22.1
Bottom side	RMC	9538/1907.6	1:1	0.678	-0.09	18.65	19.50	1.216	0.825	22.1
	_		Duty	SAR	Power	Conducted	Tune up	Scaled	Scaled	Liquid
Test position	Test mode	Test Ch./Freq.	Cycle	(W/kg)10-g		Power(dBm)	Limit(dBm)	factor	SAR(W/kg)	Temp
		Pro	•			sor on(Separate		10.0101	,(g)	
Bottom side	RMC	9400/1880	1:1	1.650	-0.06	20.37	21.50	1.297	2.140	22.1
Bottom side	RMC	9262/1852.4	1:1	1.760	-0.01	20.30	21.50	1.318	2.320	22.1
Bottom side	RMC	9538/1907.6	1:1	1.660	0.03	20.40	21.50	1.288	2.138	22.1
20110111 0100						sor off(Separate		200		
Bottom side	RMC	9400/1880	1:1	1.020	-0.06	23.74	24.50	1.191	1.215	22.1
Bottom side	RMC	9262/1852.4	1:1	0.897	-0.13	23.77	24.50	1.183	1.061	22.1
Bottom side	RMC	9538/1907.6	1:1	1.310	-0.13	23.73	24.50	1.194	1.564	22.1
Bottom side	RIVIC			l .		ne worst case wit		1.194	1.304	22.1
Dottom side	DMC	9262/1852.4	1:1	1.760	-0.05	20.30		1 210	2 220	22.4
Bottom side	RMC			l .			21.50	1.318	2.320	22.1
Datte a state	DMO					worst case with I		4.040	1.014	00.4
Bottom side	RMC	9262/1852.4	1:1	1.450	0.04	20.30	21.50	1.318	1.911	22.1
	2110					worst case with I				
Bottom side	RMC	9262/1852.4	1:1	1.660	0.05	20.30	21.50	1.318	2.188	22.1
		1			2 Test data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
			Cycle	Head Test d			Lillit(abili)	iactor	SAIN(W/Ng)	Temp
Left tilted	RMC	9538/1907.6	1:1	0.703	-0.10	17.77	19.00	1.327	0.933	22.1
Left tilled	TOVIO	3330/1307.0				ase with SIM2	13.00	1.027	0.555	22.1
Left tilted	RMC	9538/1907.6	1:1	0.692	-0.08	17.77	19.00	1.327	0.919	22.1
Len unted	KIVIC							1.327	0.919	22.1
Dook oide	DMC			l		se (Separate 15n		1 247	0.540	22.4
Back side	RMC	9538/1907.6	1:1	0.416	-0.06	22.54	23.50	1.247	0.519	22.1
Dealeride	DMO			ı	1	h SIM2 (Separat		4.047	0.500	00.4
Back side	RMC	9538/1907.6	1:1	0.403	-0.08	22.54	23.50	1.247	0.503	22.1
4.5	DIVO	0500//005	•	ı		(Separate 10mi		1.615	0.500	
Top side	RMC	9538/1907.6	1:1	0.599	-0.09	19.14	20.00	1.219	0.730	22.1
			•	ı		SIM2 (Separate			1	
Top side	RMC	9538/1907.6	1:1	0.543	0.10	19.14	20.00	1.219	0.662	22.1

Table 26: SAR of WCDMA Band II for Head, Body and Limb(Variant).

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph Results refer to Appendix B
- 2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg (2.0 W/kg for 10g) then testing at the other channels is not required for such test configuration(s).

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

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8.3.4 SAR Result of WCDMA Band IV

					1 Test data					
Test position	Test mode	Test	Duty	SAR	Power	Conducted	Tune up	Scaled	Scaled	Liquid
•		Ch./Freq.	Cycle	(W/kg)1-g	d Test data	Power(dBm)	Limit(dBm)	factor	SAR(W/kg)	Tem
Left cheek	RMC	1412/1732.4	1:1	0.082	-0.05	23.31	24.00	1.172	0.096	22.3
Left tilted	RMC	1412/1732.4	1:1	0.002	-0.10	23.31	24.00	1.172	0.034	22.3
Right cheek	RMC	1412/1732.4	1:1	0.029	0.04	23.31	24.00	1.172	0.103	22.3
_										-
Right sheek	RMC	1412/1732.4 1312/1712.4	1:1	0.035	0.06	23.31	24.00	1.172	0.041	22.3
Right cheek	RMC		1:1	0.085	-0.06	23.29	24.00	1.178	0.100	22.3
Right cheek	RMC	1513/1752.6	1:1	0.088	0.06	23.36	24.00	1.159	0.101	22.3
Dight shook	DMC	4440/4700 4			0.06	with Battery 2#		1 170	0.422	22.4
Right cheek	RMC	1412/1732.4	1:1	0.113		23.31	24.00	1.172	0.132	22.
Dight shook	RMC	1412/1732.4	1:1	0.104	0.09	with Battery 3# 23.31		1.172	0.122	22.
Right cheek	RIVIC	1412/1732.4		Body worn Test			24.00	1.172	0.122	22.3
Front side	DMC	1412/1732.4		-			24.00	1 172	0.464	22.1
Front side	RMC		1:1	0.393	-0.08	23.31	24.00	1.172	0.461	22.3
Back side	RMC	1412/1732.4	1:1	0.405	-0.04	23.31	24.00	1.172	0.475	22.3
Back side	RMC	1312/1712.4	1:1	0.421	-0.02	23.29	24.00	1.178	0.496	22.
Back side	RMC	1513/1752.6	1:1	0.428	-0.05	23.36	24.00	1.159	0.496	22.
	1				1	se with Battery		П		
Back side	RMC	1513/1752.6	1:1	0.324	0.00	23.36	24.00	1.159	0.375	22.
		,		1	1	se with Battery	1	1		
Back side	RMC	1513/1752.6	1:1	0.283	0.06	23.36	24.00	1.159	0.328	22.
				Hotspot Test	data(Separat	e 10mm)		All		
Front side	RMC	1412/1732.4	1:1	0.296	0.02	18.18	19.00	1.208	0.358	22.
Back side	RMC	1412/1732.4	1:1	0.260	-0.18	18.18	19.00	1.208	0.314	22.
Left side	RMC	1412/1732.4	1:1	0.037	0.08	18.18	19.00	1.208	0.045	22.
Right side	RMC	1412/1732.4	1:1	0.020	0.05	18.18	19.00	1.208	0.024	22.
Bottom side	RMC	1412/1732.4	1:1	0.496	0.08	18.18	19.00	1.208	0.599	22.
Bottom side	RMC	1312/1712.4	1:1	0.470	0.03	18.16	19.00	1.213	0.570	22.
Bottom side	RMC	1513/1752.6	1:1	0.505	0.04	18.35	19.00	1.161	0.587	22.
			Hotspot	Test Data at t	he worst cas	e with Battery 2	#	ı	•	
Bottom side	RMC	1412/1732.4	1:1	0.395	0.01	18.18	19.00	1.208	0.477	22.
	I		Hotspot	Test Data at t	he worst cas	e with Battery 3	#	I	l	
Bottom side	RMC	1412/1732.4	1:1	0.379	0.05	18.18	19.00	1.208	0.458	22.3
	l			Ant	2 Test data	L	L			
Test position	Test mode	Test	Duty	SAR	Power	Conducted	Tune up	Scaled		Liqu
rest position	Test mode	Ch./Freq.	Cycle	(W/kg)1-g	Drift(dB)	Power(dBm)	Limit(dBm)	factor	SAR(W/kg)	Tem
		1			d Test data	T				
Left cheek	RMC	1412/1732.4	1:1	0.444	0.01	20.02	20.50	1.117	0.496	22.3
Left tilted	RMC	1412/1732.4	1:1	0.699	0.01	20.02	20.50	1.117	0.781	22.3
Right cheek	RMC	1412/1732.4	1:1	0.587	0.12	18.52	19.00	1.117	0.656	22.3
Right tilted	RMC	1412/1732.4	1:1	0.619	0.06	18.52	19.00	1.117	0.691	22.3
Left tilted	RMC	1312/1712.4	1:1	0.677	-0.06	19.98	20.50	1.127	0.763	22.3
Left tilted	RMC	1513/1752.6	1:1	0.684	-0.03	20.01	20.50	1.119	0.766	22.3
	1		Head		e worst case	with Battery 2#		•	1	
Left tilted	RMC	1412/1732.4	1:1	0.585	-0.01	20.02	20.50	1.117	0.653	22.3
			Head	Test Data at th	ne worst case	with Battery 3#				
Left tilted	RMC	1412/1732.4	1:1	0.622	-0.01	20.02	20.50	1.117	0.695	22.3
			Е	ody worn Test	t data(Separa	ate 15mm)		·		
Front side	RMC	1412/1732.4	1:1	0.213	-0.01	22.33	23.00	1.167	0.249	22.3
Back side	RMC	1412/1732.4	1:1	0.291	0.03	22.33	23.00	1.167	0.340	22.3
	•								•	

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MC M	Toot	1:1 1:1 1:1 1:1 1:1 Hotspo 1:1 Hotspo	0.297 t Test Data at 1 0.283 t Test data(sit SAR (W/kg)1-g	-0.01 the worst cas -0.08	19.41 19.41 19.41 19.41 19.26 19.38 e with Battery 2 19.26 e with Battery 3 19.26 transmission w Conducted Power(dBm)	20.00	1.146 1.146 1.146 1.146 1.186 1.153 1.186 Scaled factor	0.282 0.212 0.025 0.380 0.383 0.360 0.352 0.336	22.3 22.3 22.3 22.3 22.3 22.3 22.3 22.3
MC MC MC MC	1412/1732.4 1412/1732.4 1412/1732.4 1312/1712.4 1513/1752.6 1312/1712.4 1312/1712.4 Ant2	1:1 1:1 1:1 1:1 1:1 Hotspo 1:1 Additiona	0.185 0.022 0.332 0.323 0.312 t Test Data at 1 0.297 t Test Data at 1 0.283	-0.07 -0.02 -0.06 -0.03 -0.02 the worst cas -0.01 the worst cas -0.08 multaneous	19.41 19.41 19.26 19.38 e with Battery 2 19.26 e with Battery 3 19.26 transmission w	20.00 20.00 20.00 20.00 20.00 # 20.00 # 20.00 with WIFI)	1.146 1.146 1.146 1.186 1.153 1.186	0.212 0.025 0.380 0.383 0.360 0.352	22.3 22.3 22.3 22.3 22.3 22.3 22.3
MC MC MC MC	1412/1732.4 1412/1732.4 1412/1732.4 1312/1712.4 1513/1752.6 1312/1712.4	1:1 1:1 1:1 1:1 1:1 Hotspo 1:1 Hotspo	0.185 0.022 0.332 0.323 0.312 t Test Data at 1 0.297 t Test Data at 1 0.283	-0.07 -0.02 -0.06 -0.03 -0.02 the worst cas -0.01 the worst cas -0.08	19.41 19.41 19.26 19.38 e with Battery 2 19.26 e with Battery 3	20.00 20.00 20.00 20.00 20.00 # 20.00 # 20.00	1.146 1.146 1.146 1.186 1.153	0.212 0.025 0.380 0.383 0.360	22.3 22.3 22.3 22.3 22.3 22.3
MC MC MC	1412/1732.4 1412/1732.4 1412/1732.4 1312/1712.4 1513/1752.6	1:1 1:1 1:1 1:1 1:1 Hotspo	0.185 0.022 0.332 0.323 0.312 t Test Data at 0.297	-0.07 -0.02 -0.06 -0.03 -0.02 the worst cas	19.41 19.41 19.26 19.38 e with Battery 2 19.26	20.00 20.00 20.00 20.00 20.00 20.00	1.146 1.146 1.146 1.186 1.153	0.212 0.025 0.380 0.383 0.360	22.3 22.3 22.3 22.3 22.3
MC MC MC	1412/1732.4 1412/1732.4 1412/1732.4 1312/1712.4 1513/1752.6	1:1 1:1 1:1 1:1 1:1 Hotspo	0.185 0.022 0.332 0.323 0.312 t Test Data at	-0.07 -0.02 -0.06 -0.03 -0.02 the worst cas	19.41 19.41 19.41 19.26 19.38 e with Battery 2	20.00 20.00 20.00 20.00 20.00 20.00	1.146 1.146 1.146 1.186 1.153	0.212 0.025 0.380 0.383 0.360	22.3 22.3 22.3 22.3 22.3
MC MC MC	1412/1732.4 1412/1732.4 1412/1732.4 1312/1712.4	1:1 1:1 1:1 1:1 1:1	0.185 0.022 0.332 0.323 0.312	-0.07 -0.02 -0.06 -0.03 -0.02	19.41 19.41 19.41 19.26 19.38	20.00 20.00 20.00 20.00 20.00	1.146 1.146 1.146 1.186	0.212 0.025 0.380 0.383	22.3 22.3 22.3 22.3
MC MC MC	1412/1732.4 1412/1732.4 1412/1732.4 1312/1712.4	1:1 1:1 1:1 1:1	0.185 0.022 0.332 0.323	-0.07 -0.02 -0.06 -0.03	19.41 19.41 19.41 19.26	20.00 20.00 20.00 20.00	1.146 1.146 1.146 1.186	0.212 0.025 0.380 0.383	22.3 22.3 22.3 22.3
ИС ИС	1412/1732.4 1412/1732.4 1412/1732.4	1:1 1:1 1:1	0.185 0.022 0.332	-0.07 -0.02 -0.06	19.41 19.41 19.41	20.00 20.00 20.00	1.146 1.146 1.146	0.212 0.025 0.380	22.3 22.3 22.3
ИС	1412/1732.4 1412/1732.4	1:1	0.185 0.022	-0.07 -0.02	19.41 19.41	20.00	1.146 1.146	0.212 0.025	22.3 22.3
	1412/1732.4	1:1	0.185	-0.07	19.41	20.00	1.146	0.212	22.3
ΛС									_
	1412/1732.4	1:1	0.246	-0.15	19.41	20.00	1.146	0.282	22.3
ИС	+		-	0.45	40.44	00.00			
ИС	1412/1732.4	1:1	0.185	0.07	19.41	20.00	1.146	0.212	22.3
			Hotspot Test	data(Separat	e 10mm)	<u> </u>			I
ИС	1312/1712.4		0.236	-0.14	22.26	23.00	1.186	0.280	22.3
<u></u>	1012/1712.4				l .	l .	1.100	0.000	22.0
JC.	1312/1712 4					1	1 186	0.308	22.3
		Body wo				l	1.100	0.511	22.0
viC	1313/1732.0	1.1		0.01	22 27	23 00	1 156	0.311	22.3
,	ΛС	/IC 1312/1712.4	Body wo MC 1312/1712.4 1:1	AC 1312/1712.4 1:1 0.260	Body worn Test Data at the worst ca MC 1312/1712.4 1:1 0.260 0.02	Body worn Test Data at the worst case with Battery AC 1312/1712.4 1:1 0.260 0.02 22.26	Body worn Test Data at the worst case with Battery 2#	Body worn Test Data at the worst case with Battery 2# MC 1312/1712.4 1:1 0.260 0.02 22.26 23.00 1.186	Body worn Test Data at the worst case with Battery 2# MC 1312/1712.4 1:1 0.260 0.02 22.26 23.00 1.186 0.308

Table 27: SAR of WCDMA Band IV for Head and Body(Original report E5/2018/C0055).

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No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號 t (886-2) 2299-3279 www.tw.sgs.com



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Test position Test Test Duty mode Ch./Freq. Cycle Cycle (W/kg)1-g Drift(dB) Power(dBm) Limit(dBm) factor SAR(W/kg) Temp											
Power Powe					Ant1	Test data					
Right cheek RMC 1412/1732.4 1:1 0.103 0.03 23.31 24.00 1.172 0.121 22.3	Test position			•	_						
Body worn Test data at the worst case (Separate 15mm)				Head To	est Data at the	worst case	with Battery 2#				
Back side	Right cheek	RMC	1412/1732.4	1:1	0.103	0.03	23.31	24.00	1.172	0.121	22.3
Bottom side			В	ody worn	Test data at the	e worst case	(Separate 15mi	m)			
Bottom side RMC 1412/1732.4 1:1 0.368 -0.09 18.18 19.00 1.208 0.444 22.3	Back side	RMC	1513/1752.6	1:1	0.292	-0.09	23.36	24.00	1.159	0.338	22.3
Test position Test mode Test mode Ch./Freq. Cycle (W/kg)10-g Drift(dB) Power(dBm) Conducted powe				Hotspot Te	est data at the	worst case (Separate 10mm)			
Product specific 10g SAR Test data with sensor on (Separate 0mm)	Bottom side	RMC	1412/1732.4	1:1	0.368	-0.09	18.18	19.00	1.208	0.444	22.3
Bottom side	Test position										•
Bottom side			Product	t specific 1	0g SAR Test	data with ser	sor on (Separat	te 0mm)			
Bottom side	Bottom side	RMC	1412/1732.4	1:1	1.990	0.16	21.31	22.00	1.172	2.333	22.3
Bottom side-Repeat RMC 1513/1752.6 1:1 2.000 0.04 21.15 22.00 1.216 2.432 22.3	Bottom side	RMC	1312/1712.4	1:1	1.930	0.01	21.26	22.00	1.186	2.289	22.3
Product specific 10g SAR Test data with sensor off (Separate 9mm)	Bottom side	RMC	1513/1752.6	1:1	2.050	0.03	21.15	22.00	1.216	2.493	22.3
Bottom side RMC 1412/1732.4 1:1 0.846 0.16 23.31 24.00 1.172 0.992 22.3	Bottom side-Repeat	RMC	1513/1752.6	1:1	2.000	0.04	21.15	22.00	1.216	2.432	22.3
Bottom side RMC 1312/1712.4 1:1 0.712 0.11 23.29 24.00 1.178 0.838 22.3			Product	t specific 1	0g SAR Test	data with ser	sor off (Separat	te 9mm)			
Bottom side RMC 1513/1752.6 1:1 0.949 0.19 23.36 24.00 1.159 1.100 22.3	Bottom side	RMC	1412/1732.4	1:1	0.846	0.16	23.31	24.00	1.172	0.992	22.3
Product specific 10g SAR Test data at the worst case with Battery 2#	Bottom side	RMC	1312/1712.4	1:1	0.712	0.11	23.29	24.00	1.178	0.838	22.3
Bottom side RMC 1513/1752.6 1:1 1.800 0.04 21.15 22.00 1.216 2.189 22.3	Bottom side	RMC	1513/1752.6	1:1	0.949	0.19	23.36	24.00	1.159	1.100	22.3
Bottom side RMC 1513/1752.6 1:1 1.920 0.04 21.15 22.00 1.216 2.335 22.3			Product	specific 1	0g SAR Test d	lata at the wo	orst case with Ba	attery 2#			
Bottom side RMC 1513/1752.6 1:1 1.920 0.04 21.15 22.00 1.216 2.335 22.3	Bottom side	RMC	1513/1752.6	1:1	1.800	0.04	21.15	22.00	1.216	2.189	22.3
Test position			Product	specific 1	0g SAR Test d	lata at the wo	orst case with Ba	attery 3#			
Test position Test mode Test Ch./Freq. Duty Cycle SAR (W/kg)1-g Power Drift(dB) Conducted Power(dBm) Tune up Limit(dBm) Scaled factor Scaled SAR(W/kg) Temp Head Test data at the worst case Left tilted RMC 1412/1732.4 1:1 0.572 -0.11 20.02 20.50 1.117 0.639 22.3 Body worn Test data at the worst case (Separate 15mm) Back side RMC 1312/1712.4 1:1 0.172 -0.11 22.26 23.00 1.186 0.204 22.3 Hotspot Test data at the worst case (Separate 10mm)	Bottom side	RMC	1513/1752.6	1:1	1.920	0.04	21.15	22.00	1.216	2.335	22.3
Test position mode Ch./Freq. Cycle (W/kg)1-g Drift(dB) Power(dBm) Limit(dBm) factor SAR(W/kg) Temp Head Test data at the worst case Left tilted RMC 1412/1732.4 1:1 0.572 -0.11 20.02 20.50 1.117 0.639 22.3 Body worn Test data at the worst case (Separate 15mm) Back side RMC 1312/1712.4 1:1 0.172 -0.11 22.26 23.00 1.186 0.204 22.3 Hotspot Test data at the worst case (Separate 10mm)											
Left tilted RMC 1412/1732.4 1:1 0.572 -0.11 20.02 20.50 1.117 0.639 22.3 Body worn Test data at the worst case (Separate 15mm) Back side RMC 1312/1712.4 1:1 0.172 -0.11 22.26 23.00 1.186 0.204 22.3 Hotspot Test data at the worst case (Separate 10mm)	Test position			•							
Body worn Test data at the worst case (Separate 15mm) Back side					Head Test dat	a at the wors	st case				
Back side RMC 1312/1712.4 1:1 0.172 -0.11 22.26 23.00 1.186 0.204 22.3 Hotspot Test data at the worst case (Separate 10mm)	Left tilted	RMC	1412/1732.4	1:1	0.572	-0.11	20.02	20.50	1.117	0.639	22.3
Hotspot Test data at the worst case (Separate 10mm)			В	ody worn ⁻	Test data at the	e worst case	(Separate 15m	m)			
	Back side	RMC	1312/1712.4	1:1	0.172	-0.11	22.26	23.00	1.186	0.204	22.3
Top side RMC 1312/1712.4 1:1 0.210 -0.06 19.26 20.00 1.186 0.249 22.3			!	Hotspot Te	est data at the	worst case (Separate 10mm)			
	Top side	RMC	1312/1712.4	1:1	0.210	-0.06	19.26	20.00	1.186	0.249	22.3

Table 28: SAR of WCDMA Band IV for Head, Body and Limb(Original report E5/2018/C0055).

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

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					Test data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
			Head Te	st Data at the	worst case v	vith Battery 2#				
Right cheek	RMC	1412/1732.4	1:1	0.080	-0.02	23.31	24.00	1.172	0.094	22.3
			Head ¹	Test Data at th	ne worst case	e with SIM2				
Right cheek	RMC	1412/1732.4	1:1	0.079	-0.02	23.31	24.00	1.172	0.093	22.3
		Boo	dy worn T	est data at the	worst case	(Separate 15mr	n)			
Back side	RMC	1513/1752.6	1:1	0.304	-0.12	23.36	24.00	1.159	0.352	22.3
		Body wo	rn Test D	ata at the wor	st case with	SIM2 (Separate	15mm)			
Back side	RMC	1513/1752.6	1:1	0.288	-0.03	23.36	24.00	1.159	0.334	22.3
		Н	lotspot Te	st data at the	worst case(S	Separate 10mm)	64			
Bottom side	RMC	1412/1732.4	1:1	0.323	-0.06	18.18	19.00	1.208	0.390	22.3
		Hotspo	t Test Da	ta at the worst	case with S	IM2(Separate 1	0mm)			
Bottom side	RMC	1412/1732.4	1:1	0.312	-0.03	18.18	19.00	1.208	0.377	22.3
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)10-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
		Product	specific 1	0g SAR Test of	data with sen	sor on(Separate	e 0mm)			
Bottom side	RMC	1412/1732.4	1:1	1.900	0.01	21.31	22.00	1.172	2.227	22.3
Bottom side	RMC	1312/1712.4	1:1	1.850	0.02	21.26	22.00	1.186	2.194	22.3
Bottom side	RMC	1513/1752.6	1:1	2.080	-0.06	21.15	22.00	1.216	2.530	22.3
Bottom side-Repeat	RMC	1513/1752.6	1:1	1.900	0.04	21.15	22.00	1.216	2.311	22.3
		Product	specific 1	0g SAR Test o	data with sen	sor off(Separate	e 9mm)			
Bottom side	RMC	1412/1732.4	1:1	0.808	0.01	23.31	24.00	1.172	0.947	22.3
Bottom side	RMC	1312/1712.4	1:1	0.683	0.11	23.29	24.00	1.178	0.804	22.3
Bottom side	RMC	1513/1752.6	1:1	0.902	0.01	23.36	24.00	1.159	1.045	22.3
		Produc	t specific	10g SAR Test	data at the	worst case with	SIM 2			
Bottom side	RMC	1513/1752.6	1:1	2.080	-0.03	21.15	22.00	1.216	2.530	22.3
	•	Product s	pecific 10	g SAR Test da	ata at the wo	orst case with Ba	attery 2#			•
Bottom side	RMC	1513/1752.6	1:1	1.720	0.04	21.15	22.00	1.216	2.092	22.3
	•	Product s	pecific 10	g SAR Test da	ata at the wo	orst case with Ba	attery 3#	•	•	•
Bottom side	RMC	1513/1752.6	1:1	1.820	0.04	21.15	22.00	1.216	2.213	22.3
				Ant2	Test data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
			-	lead Test data	at the wors	t case				
Left tilted	RMC	1412/1732.4	1:1	0.319	-0.03	20.02	20.50	1.117	0.356	22.3
			Head 7	Test Data at th	e worst case	with SIM 2				
Left tilted	RMC	1412/1732.4	1:1	0.316	-0.05	20.02	20.50	1.117	0.353	22.3
		Boo	dy worn T	est data at the	worst case	(Separate 15mr	n)			
Back side	RMC	1312/1712.4	1:1	0.172	0.07	22.26	23.00	1.186	0.204	22.3
		Body wo	rn Test D	ata at the wor	st case with	SIM2(Separate	15mm)			
Back side	RMC	1312/1712.4	1:1	0.164	-0.03	22.26	23.00	1.186	0.194	22.3
		Н	otspot Te	st data at the	worst case (S	Separate 10mm				
Top side	RMC	1312/1712.4	1:1	0.196	-0.07	19.26	20.00	1.186	0.232	22.3
		Hotspo	t Test Dat	at the worst	case with S	IM2 (Separate 1	0mm)			
	RMC	1312/1712.4	1:1	0.185	-0.04	19.26	20.00	1.186	0.219	22.3

Table 29: SAR of WCDMA Band IV for Head, Body and Limb(Variant).

Note:

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

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

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

Test Position	Channel/ Frequency	Measured	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Test Fosition	(MHz)	SAR (1g)	SAR (1g)	Natio	SAR (1g)	SAR (1g)
Bottom side	1513/1752.6	2.08	1.9	1.095	N/A	N/A

Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.

2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).

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

4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg

Table 30: SAR Measurement Variability Results

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8.3.5 SAR Result of WCDMA Band V

		_			1 Test data		_			
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquio Temp
					ad Test data			•		
Left cheek	RMC	4182/836.4	1:1	0.219	-0.02	23.66	24.50	1.213	0.266	22.1
Left tilted	RMC	4182/836.4	1:1	0.114	-0.15	23.66	24.50	1.213	0.138	22.1
Right cheek	RMC	4182/836.4	1:1	0.255	0.13	23.66	24.50	1.213	0.309	22.1
Right tilted	RMC	4182/836.4	1:1	0.116	0.09	23.66	24.50	1.213	0.141	22.1
Right cheek	RMC	4132/826.4	1:1	0.235	-0.11	23.61	24.50	1.227	0.288	22.1
Right cheek	RMC	4233/846.6	1:1	0.260	0.07	23.72	24.50	1.197	0.311	22.1
		120,010,010	L		l	with Battery 2#		117		
Right cheek	RMC	4233/846.6	1:1	0.236	0.14	23.72	24.50	1.197	0.282	22.1
- Ingilia		120101010			l .	e with Battery 3#				
Right cheek	RMC	4233/846.6	1:1	0.258	0.10	23.72	24.50	1.197	0.309	22.1
g ooc.		00/0 .0.0	l .		t data(Separ		200		0.000	
Front side	RMC	4182/836.4	1:1	0.341	-0.14	23.66	24.50	1.213	0.414	22.1
Back side	RMC	4182/836.4	1:1	0.372	0.03	23.66	24.50	1.213	0.451	22.1
Back side	RMC	4132/826.4	1:1	0.345	0.04	23.61	24.50	1.227	0.423	22.1
Back side	RMC	4233/846.6	1:1	0.343	0.04	23.72	24.50	1.197	0.423	22.1
Dack Side	KIVIC	4233/040.0				ase with Battery		1.191	0.444	22.
Back side	RMC	4182/836.4	1:1	0.380	0.06	23.66	24.50	1.213	0.461	22.1
Dack Side	RIVIC	4102/030.4			l .			1.213	0.461	22.
Daali aida	DMC	4400/000 4	•			ase with Battery		4 040	0.405	20.4
Back side	RMC	4182/836.4	1:1	0.408	0.06	23.66	24.50	1.213	0.495	22.1
Face of all la	DMO	44.00/000.4			data(Separat		04.50	4.040	0.000	- 00
Front side	RMC	4182/836.4	1:1	0.497	-0.07	23.66	24.50	1.213	0.603	22.1
Back side	RMC	4182/836.4	1:1	0.557	0.06	23.66	24.50	1.213	0.676	22.1
Left side	RMC	4182/836.4	1:1	0.101	-0.15	23.66	24.50	1.213	0.123	22.1
Right side	RMC	4182/836.4	1:1	0.369	-0.07	23.66	24.50	1.213	0.448	22.1
Bottom side	RMC	4182/836.4	1:1	0.317	-0.04	23.66	24.50	1.213	0.385	22.1
Back side	RMC	4132/826.4	1:1	0.528	0.08	23.61	24.50	1.227	0.648	22.1
Back side	RMC	4233/846.6	1:1	0.572	0.05	23.72	24.50	1.197	0.685	22.1
	1		Hotspot ⁻	Test Data at	the worst cas	e with Battery 2	#	T		
Back side	RMC	4233/846.6	1:1	0.609	0.06	23.72	24.50	1.197	0.729	22.1
			Hotspot 7	Test Data at	the worst cas	e with Battery 3	#			
Back side	RMC	4233/846.6	1:1	0.600	0.06	23.72	24.50	1.197	0.718	22.1
					2 Test data					
Test position	Test mode	Test Ch./Freq.	Duty	SAR (W/kg)1 g	Power	Conducted	Tune up	Scaled factor	Scaled SAR(W/kg)	Liqui
		CII./Freq.	Cycle	(W/kg)1-g	Drift(dB) ad Test data	Power(dBm)	Limit(dBm)	Tactor	SAR(W/kg)	Tem
Left cheek	RMC	4182/836.4	1:1	0.425	0.03	19.29	20.50	1.321	0.562	22.1
Left tilted	RMC	4182/836.4	1:1	0.345	0.16	19.29	20.50	1.321	0.456	22.1
Right cheek	RMC	4182/836.4	1:1	0.373	-0.08	19.29	20.50	1.321	0.493	22.1
Right tilted	RMC	4182/836.4	1:1	0.327	0.07	19.29	20.50	1.321	0.432	22.1
Left cheek	RMC	4132/826.4	1:1	0.432	0.03	19.40	20.50	1.288	0.557	22.1
Left cheek	RMC	4233/846.6	1:1	0.433	0.10	19.30	20.50	1.318	0.571	22.1
			1			with Battery 2#		I	1	
Left cheek	RMC	4233/846.6	1:1	0.379	-0.03	19.30	20.50	1.318	0.500	22.1
					ne worst case	with Battery 3#			,	ı
	RMC	4233/846.6	1:1	0.392	-0.07	19.30	20.50	1.318	0.517	22.1
Left cheek										
Left cheek			Вс	dy worn Tes	t data(Separ	ate 15mm)				
Left cheek Front side	RMC	4182/836.4	1:1	ody worn Tes 0.175	t data(Separ 0.06	ate 15mm) 23.28	24.50	1.324	0.232	22.1

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Back side	RMC	4132/826.4	1:1	0.201	-0.09	23.35	24.50	1.303	0.262	22.1
Back side	RMC	4233/846.6	1:1	0.169	-0.10	23.32	24.50	1.312	0.222	22.1
			Body worr	Test Data a	t the worst ca	ase with Battery	2#			
Back side	RMC	4132/826.4	1:1	0.154	-0.12	23.35	24.50	1.303	0.201	22.1
			Body worr	Test Data a	t the worst ca	ase with Battery	3#			
Back side	RMC	4132/826.4	1:1	0.160	-0.07	23.35	24.50	1.303	0.209	22.1
			1	lotspot Test	data(Separat	e 10mm)				
Front side	RMC	4182/836.4	1:1	0.174	0.05	20.26	21.50	1.330	0.231	22.1
Back side	RMC	4182/836.4	1:1	0.159	-0.09	20.26	21.50	1.330	0.212	22.1
Left side	RMC	4182/836.4	1:1	0.055	0.13	20.26	21.50	1.330	0.073	22.1
Right side	RMC	4182/836.4	1:1	0.011	-0.12	20.26	21.50	1.330	0.015	22.1
Top side	RMC	4182/836.4	1:1	0.122	-0.06	20.26	21.50	1.330	0.162	22.1
Front side	RMC	4132/826.4	1:1	0.170	-0.14	20.34	21.50	1.306	0.222	22.1
Front side	RMC	4233/846.6	1:1	0.148	0.10	20.27	21.50	1.327	0.196	22.1
			Hotspot 7	Test Data at	the worst cas	e with Battery 2	#			
Front side	RMC	4182/836.4	1:1	0.166	-0.01	20.26	21.50	1.330	0.221	22.1
	•		Hotspot 7	Test Data at	the worst cas	e with Battery 3	#		•	
Front side	RMC	4182/836.4	1:1	0.178	0.03	20.26	21.50	1.330	0.237	22.1

Table 31: SAR of WCDMA Band V for Head and Body(Original report E5/2018/C0055)

Table 31: C	,, CI VVO	DIVIA Dallu	v 101 1100		, ,	Toport Lo/Lo	710/0000)	•		
				Ant	1 Test data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
				Head Test d	ata at the wo	rst case				
Right cheek	RMC	4233/846.6	1:1	0.208	-0.16	23.72	24.50	1.197	0.249	22.1
			Body worn	Test Data a	t the worst ca	ase with Battery	3#			
Back side	RMC	4182/836.4	1:1	0.321	0.05	23.66	24.50	1.213	0.389	22.1
			Hotspot 7	Test Data at t	the worst cas	se with Battery 2	#			
Back side	RMC	4233/846.6	1:1	0.551	0.03	23.72	24.50	1.197	0.659	22.1
				Ant	2 Test data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
				Head Test da	ata at the wo	rst case				
Left cheek	RMC	4233/846.6	1:1	0.397	0.17	19.30	20.50	1.318	0.523	22.1
		E	Body worn	Test data at t	he worst cas	e (Separate 15r	nm)			
Back side	RMC	4132/826.4	1:1	0.172	0.01	23.35	24.50	1.303	0.224	22.1
	I .		Hotspot ⁻	Test Data at t	the worst cas	se with Battery 3	#		•	

Table 32: SAR of WCDMA Band V for Head and Body(Original report E5/2018/C0055).

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				Ant	1 Test data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
			1	Head Test da	ata at the wo	rst case				
Right cheek	RMC	4233/846.6	1:1	0.306	-0.02	23.72	24.50	1.197	0.366	22.1
			Head	Test Data at	the worst ca	ase with SIM2				
Right cheek	RMC	4233/846.6	1:1	0.291	-0.08	23.72	24.50	1.197	0.348	22.1
			Body worn	Test Data at	the worst ca	ase with Battery	3#			
Back side	RMC	4182/836.4	1:1	0.324	-0.05	23.66	24.50	1.213	0.393	22.1
			Body wo	orn Test Data	at the worst	case with SIM2	2			
Back side	RMC	4182/836.4	1:1	0.316	0.04	23.66	24.50	1.213	0.383	22.1
			Hotspot 7	Γest Data at t	he worst cas	se with Battery 2	:#			
Back side	RMC	4233/846.6	1:1	0.545	0.02	23.72	24.50	1.197	0.652	22.1
			Hotspo	ot Test Data a	at the worst o	case with SIM2				
Back side	RMC	4233/846.6	1:1	0.507	0.05	23.72	24.50	1.197	0.607	22.1
				Ant	2 Test data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
				Head Test da	ata at the wo	rst case				
Left cheek	RMC	4233/846.6	1:1	0.530	0.02	19.30	20.50	1.318	0.699	22.1
			Head	Test Data at	the worst ca	ase with SIM2				
Left cheek	RMC	4233/846.6	1:1	0.530	0.00	19.30	20.50	1.318	0.699	22.1
			Вс	dy worn Test	data at the	worst case				
Back side	RMC	4132/826.4	1:1	0.182	-0.05	23.35	24.50	1.303	0.237	22.1
			Body wo	orn Test Data	at the worst	case with SIM2	2			
Back side	RMC	4132/826.4	1:1	0.171	-0.02	23.35	24.50	1.303	0.223	22.1
			Hotspot ⁻	Test Data at t	he worst cas	se with Battery 3	#			
Front side	RMC	4182/836.4	1:1	0.193	0.09	20.26	21.50	1.330	0.257	22.1
			Hotspo	ot Test Data a	at the worst o	ase with SIM2				•
								1.330		22.1

Table 33: SAR of WCDMA Band V for Head and Body(Variant).

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph Results refer to Appendix B
- 2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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8.3.6 SAR Result of LTE Band 2

					Ant1 Test		1			T	
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
					ad Test da		, ,			<u> </u>	
Left cheek	20	QPSK 1RB_0	19100/1900	1:1	0.117	0.09	23.65	24.00	1.084	0.127	22.3
Left tilted	20	QPSK 1RB_0	19100/1900	1:1	0.033	0.04	23.65	24.00	1.084	0.035	22.3
Right cheek	20	QPSK 1RB_0	19100/1900	1:1	0.088	0.01	23.65	24.00	1.084	0.096	22.3
Right tilted	20	QPSK 1RB_0	19100/1900	1:1	0.077	0.03	23.65	24.00	1.084	0.084	22.3
Left cheek	20	QPSK 1RB_0	18700/1860	1:1	0.126	-0.02	23.61	24.00	1.094	0.138	22.3
Left cheek	20	QPSK 1RB_0	18900/1880	1:1	0.033	0.04	23.54	24.00	1.112	0.037	22.3
			l	Head	d Test data	(50%RB)					
Left cheek	20	QPSK 50RB_0	19100/1900	1:1	0.088	0.01	22.48	23.00	1.127	0.099	22.3
Left tilted	20	QPSK 50RB_0		1:1	0.021	-0.02	22.48	23.00	1.127	0.024	22.3
Right cheek	20	QPSK 50RB_0		1:1	0.066	0.15	22.48	23.00	1.127	0.074	22.3
Right tilted	20	QPSK 50RB_0		1:1	0.052	-0.02	22.48	23.00	1.127	0.058	22.3
<u> </u>				Test Data			Battery 2#				
Left cheek	20	QPSK 1RB_0	18700/1860	1:1	0.125	-0.10	23.61	24.00	1.094	0.137	22.3
						L	Battery 3#				
Left cheek	20	QPSK 1RB_0	18700/1860	1:1	0.120	0.07	23.61	24.00	1.094	0.131	22.3
2011 0110011		<u> </u>			est data(Se			200		1 0	
Front side	20	QPSK 1RB_0	19100/1900	1:1	0.541	0.03	23.65	24.00	1.084	0.586	22.3
Back side	20	QPSK 1RB_0	19100/1900	1:1	0.558	0.03	23.65	24.00	1.084	0.605	22.3
Back side	20	QPSK 1RB_0	18700/1860	1:1	0.258	-0.17	23.61	24.00	1.094	0.282	22.3
Back side	20	QPSK 1RB_0	18900/1880	1:1	0.396	-0.03	23.54	24.00	1.112	0.440	22.3
Dack side	20	QI OK IKB_0		l .	data (Sepa			24.00	1.112	0.440	
Front side	20	QPSK 50RB_0		1:1	0.424	0.05	22.48	23.00	1.127	0.478	22.3
	20	QPSK 50RB_0		1:1	0.424	-0.02	22.48	23.00		0.478	22.3
Back side	20	QF3K30Kb_0		1		l .			1.127	0.491	22.3
Back side	20	QPSK 1RB_0	19100/1900	1:1	0.557	-0.08	vith Battery 2# 23.65	24.00	1.084	0.604	22.3
Dack Side	20	QFSK IKB_U			,	l			1.004	0.004	22.3
Da ala alala	20	ODCK ADD O			1		vith Battery 3#		4.004	0.500	
Back side	20	QPSK 1RB_0	19100/1900	1:1	0.544	-0.02	23.65	24.00	1.084	0.590	22.3
Facility and a	00	ODOK ADD A			t data(Sepa			40.00	4.004	0.005	
Front side	20	QPSK 1RB_0	18700/1860	1:1	0.307	0.13	18.62	19.00	1.091	0.335	22.3
Back side	20	QPSK 1RB_0	18700/1860	1:1	0.303	0.04	18.62	19.00	1.091	0.331	22.3
Left side	20	QPSK 1RB_0	18700/1860	1:1	0.102	0.04	18.62	19.00	1.091	0.111	22.3
Right side	20	QPSK 1RB_0	18700/1860	1:1	0.059	0.04	18.62	19.00	1.091	0.064	22.3
Bottom side	20	QPSK 1RB_0	18700/1860	1:1	0.535	0.10	18.62	19.00	1.091	0.584	22.3
Face of all de	00	ODOK FORD A			lata (Separ			10.00	4.400	0.044	
Front side	20	QPSK 50RB_0		1:1	0.307	0.14	18.50	19.00	1.122	0.344	22.3
Back side	20	QPSK 50RB_0		1:1	0.302	0.08	18.50	19.00	1.122	0.339	22.3
Left side	20	QPSK 50RB_0		1:1	0.101	0.07	18.50	19.00	1.122	0.113	22.3
Right side	20	QPSK 50RB_0		1:1	0.035	0.04	18.50	19.00	1.122	0.039	22.3
Bottom side	20	QPSK 50RB_0		1:1	0.590	0.12	18.50	19.00	1.122	0.662	22.3
Bottom side	20	QPSK 50RB_0		1:1	0.623	0.04	18.45	19.00	1.135	0.707	22.3
Bottom side	20	QPSK 50RB_0		1:1	0.640	0.07	18.44	19.00	1.138	0.728	22.3
		000115					h Battery 2#				
Bottom side	20	QPSK 50RB_0		1:1	0.636	-0.06	18.44	19.00	1.138	0.724	22.3
		T					th Battery 3#				
Bottom side	20	QPSK 50RB_0	19100/1900	1:1	0.621	-0.02	18.44	19.00	1.138	0.706	22.3
					Ant2 Test						
Test position	BW.	Test mode	Test	Duty	SAR	Power	Conducted	Tune up	Scaled	Scaled	Liquid
,			Ch./Freq.		(W/kg)1-g		power(dBm)	Limit(dBm)	factor	SAR(W/kg)	Temp
		00011:			ad Test da		1	10 1			
Left cheek	20	QPSK 1RB_0	19100/1900	1:1	0.371	-0.08	19.18	19.50	1.076	0.399	22.3
Left tilted	20	QPSK 1RB_0	19100/1900	1:1	0.543	-0.15	19.18	19.50	1.076	0.585	22.3

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Test position	BW.	Test mode	Ch./Freq.	Cycle	(W/kg)1-g ad Test da	Drift(dB)	power(dBm)			SAR(W/kg)	Temp.
			Test	Duty	SAR	Power	smission with Conducted	Tune up	Scaled	Scaled	Liquid
Top side	20	QPSK 1RB_0	19100/1900	1:1	0.263	0.02	19.53	20.00	1.114	0.293	22.3
Tenantal	00	ODOK 4DD 0	•				th Battery 3#	20.22	4 4 4 4	0.000	00.0
Top side	20	QPSK 1RB_0		1:1	0.262	0.02	19.53	20.00	1.114	0.292	22.3
		0001/ 100 -			1		th Battery 2#	00.00		0.000	
Top side	20	QPSK 50RB_0		1:1 T + D +	0.221	-0.02	19.44	20.00	1.138	0.251	22.3
Right side	20	QPSK 50RB_0		1:1	0.025	0.00	19.44	20.00	1.138	0.028	22.3
Left side	20	QPSK 50RB_0		1:1	0.109	0.04	19.44	20.00	1.138	0.124	22.3
Back side	20	QPSK 50RB_0		1:1	0.156	0.18	19.44	20.00	1.138	0.177	22.3
Front side	20	QPSK 50RB_0		1:1	0.092	0.04	19.44	20.00	1.138	0.104	22.3
				pot Test d	lata (Separ	ate 10mm	50%RB)				
Top side	20	QPSK 1RB_0	19100/1900	1:1	0.267	0.08	19.53	20.00	1.114	0.298	22.3
Top side	20	QPSK 1RB_0	18900/1880	1:1	0.242	0.06	19.54	20.00	1.112	0.269	22.3
Top side	20	QPSK 1RB_0	18700/1860	1:1	0.233	-0.10	19.65	20.00	1.084	0.253	22.3
Right side	20	QPSK 1RB_0	18700/1860	1:1	0.026	0.09	19.65	20.00	1.084	0.028	22.3
Left side	20	QPSK 1RB_0	18700/1860	1:1	0.115	0.09	19.65	20.00	1.084	0.125	22.3
Back side	20	QPSK 1RB_0	18700/1860	1:1	0.160	0.05	19.65	20.00	1.084	0.173	22.3
Front side	20	QPSK 1RB_0	18700/1860	1:1	0.096	0.02	19.65	20.00	1.084	0.104	22.3
					t data(Sepa						
Back side	20	QPSK 1RB_0	19100/1900	1:1	0.206	0.00	22.48	23.00	1.127	0.232	22.3
	-						ith Battery 3#				
Back side	20	QPSK 1RB_0	19100/1900	1:1	0.217	0.00	22.48	23.00	1.127	0.245	22.3
					L .		ith Battery 2#		-	1	
Back side	20	QPSK 50RB_0		1:1	0.171	0.06	22.49	23.00	1.125	0.192	22.3
Front side	20	QPSK 50RB_0		1:1	0.121	0.02	22.49	23.00	1.125	0.136	22.3
<u> </u>	1 -0	Q. O			data (Sepa			20.00		0.20.	
Back side	20	QPSK 1RB_0	19100/1900	1:1	0.228	0.16	22.48	23.00	1.127	0.257	22.3
Back side	20	QPSK 1RB_0	18900/1880	1:1	0.187	0.09	22.43	23.00	1.140	0.213	22.3
Back side	20	QPSK 1RB_0	18700/1860	1:1	0.123	0.01	22.56	23.00	1.107	0.195	22.3
Front side	20	QPSK 1RB_0	18700/1860	1:1	0.125	0.03	22.56	23.00	1.107	0.138	22.3
Len uneu	20	@1 OK 30KD_0			est data(Se			19.50	1.112	0.704	
Left tilted	20	QPSK 50RB_0		1:1	0.705	0.06	19.04	19.50	1.112	0.784	22.3
Left tilted	20	QPSK 50RB_0		1:1	0.607	0.13	19.04	19.50	1.112	0.675	22.3
l aft tilta al	- 00	ODOK FORD O					Battery 2#	40.50	4 440	0.075	20.1
Left tilted	20	QPSK 50RB_0		1:1	0.566	-0.03	18.99	19.50	1.125	0.637	22.3
Left tilted	20	QPSK 50RB_0		1:1	0.276	0.03	19.00	19.50	1.122	0.310	22.3
Right tilted	20	QPSK 50RB_0		1:1	0.393	-0.02	17.61	18.00	1.094	0.430	22.3
Right cheek	20	QPSK 50RB_0		1:1	0.344	0.14	17.61	18.00	1.094	0.376	22.3
Left tilted	20	QPSK 50RB_0		1:1	0.711	0.19	19.04	19.50	1.112	0.790	22.3
Left cheek	20	QPSK 50RB_0		1:1	0.392	-0.08	19.04	19.50	1.112	0.436	22.3
		T			d Test data	,					
Right tilted	20	QPSK 1RB_0	18700/1860	1:1	0.380	-0.03	17.69	18.00	1.074	0.408	22.3
Right tilted											

Table 34: SAR of LTE Band 2 for Head and Body (Original report E5/2018/C0055).

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					Ant1 Test d	ata					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
			He	ad Test d	lata at the wo	orst case (1	RB)				
Left cheek	20	QPSK 1RB_0	18700/1860	1:1	0.108	-0.03	23.61	24.00	1.094	0.118	22.3
			Body worn Te	est data a	t the worst ca	ase (Separ	ate 15mm 1RI	3)			
Back side	20	QPSK 1RB_0	19100/1900	1:1	0.570	-0.09	23.65	24.00	1.084	0.618	22.3
		I	Hotspot Test	data at the	e worst case	(Separate	10mm 50%RE	3)			
Bottom side	20	QPSK 50RB_0	19100/1900	1:1	0.792	-0.03	18.44	19.00	1.138	0.901	22.3
		F	lotspot Test d	ata at the	worst case	(Separate	10mm 100%R	B)			
Bottom side	20	QPSK 100RB_0	18700/1860	1:1	0.499	-0.19	18.44	19.00	1.138	0.568	22.3
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)10-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
		Produ	ct specific 10	g SAR Te	st data with	sensor on (Separate 0mr	m 1RB)			
Bottom side	20	QPSK 1RB_50	18900/1880	1:1	1.680	-0.10	20.56	21.50	1.242	2.086	22.3
Bottom side	20	QPSK 1RB_99	18700/1860	1:1	1.510	-0.06	20.53	21.50	1.250	1.888	22.3
Bottom side	20	QPSK 1RB_99	19100/1900	1:1	1.750	-0.06	20.56	21.50	1.242	2.173	22.3
		Product	t specific 10g	SAR Test	t data with se	ensor on (S	eparate 0mm	50%RB)			
Bottom side	20	QPSK 50RB_0	19100/1900	1:1	1.600	-0.04	20.66	21.50	1.213	1.941	22.3
		Product	specific 10g S	SAR Test	data with se	nsor on (Se	eparate 0mm	100%RB)			
Bottom side	20	QPSK 100RB_0	18900/1880	1:1	1.770	-0.09	20.61	21.50	1.227	2.173	22.3
		Prod	uct specific 10	g SAR T	est data with	sensor off	(Separate 9m	m 1R)			
Bottom side	20	QPSK 1RB_0	19100/1900	1:1	1.150	-0.07	23.65	24.00	1.084	1.247	22.3
Bottom side	20	QPSK 1RB_0	18700/1860	1:1	0.734	-0.03	23.61	24.00	1.094	0.803	22.3
Bottom side	20	QPSK 1RB_0	18900/1880	1:1	0.795	-0.09	23.54	24.00	1.112	0.884	22.3
		Produc	t specific 10g	SAR Test	t data with se	ensor off (S	eparate 9mm	50%RB)			
Bottom side	20	QPSK 50RB_0	19100/1900	1:1	1.180	0.03	22.48	23.00	1.127	1.330	22.3
		Product specific 1	0g SAR Test	Data at tl	he worst cas	e with Batte	ery 2#(Separa	te 0mm 100)%RB)		
Bottom side	20	QPSK 100RB_0	18900/1880	1:1	1.500	0.02	20.61	21.50	1.227	1.841	22.3
		Product specific 1	0g SAR Test	Data at tl	he worst cas	e with Batte	ery 3#(Separa	te 0mm 100)%RB)		
Bottom side	20	QPSK 100RB_0	18900/1880	1:1	1.640	-0.04	20.61	21.50	1.227	2.013	22.3
					Ant2 Test d	ata					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
			Hea	d Test da	ta at the wor	st case (50	%RB)				
Left tilted	20	QPSK 50RB_0	19100/1900	1:1	0.655	0.07	19.04	19.50	1.112	0.728	22.3
			Body worn Te	est data a	t the worst ca	ase (Separ	ate 15mm 1RI	3)			
Back side	20	QPSK 1RB_0	19100/1900	1:1	0.359	-0.02	22.48	23.00	1.127	0.405	22.3
			Hotspot Tes	t data at t	he worst cas	e (Separat	e 10mm 1RB)	AL			
Top side	20	QPSK 1RB_0	19100/1900	1:1	0.377	-0.07	19.53	20.00	1.114	0.420	22.3

Table 35: SAR of LTE Band 2 for Head, Body and Limb(Original report E5/2018/C0055).

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				A	nt1 Test da	ta					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)			Liquid Temp.
			Head	Test da	ta at the wo	rst case (1	RB)				
Left cheek	20	QPSK 1RB_0	18700/1860	1:1	0.144	0.09	23.61	24.00	1.094	0.158	22.1
Left cheek	20	PCC QPSK 1RB_99		1:1	0.122	-0.08	23.44	24.00	1.138	0.139	22.1
Left Gricek	20	SCC QPSK 1RB_0	18898/1879.8	1:1	0.122	0.00	20.44	24.00	1.100	0.100	22.1
		T		st Data	at the wors	t case with	n SIM2				
Left cheek	20	QPSK 1RB_0	18700/1860	1:1	0.120	-0.04	23.61	24.00	1.094	0.131	22.1
			ody worn Test	data at	the worst ca	se(Separa	ate 15mm 1RE	3)			
Back side	20	QPSK 1RB_0	19100/1900	1:1	0.520	0.04	23.65	24.00	1.084	0.564	22.1
Back side	20	PCC QPSK 1RB_0	19100/1900	1:1	0.539	0.02	23.44	24.00	1.138	0.613	22.1
24011 0140	20	SCC QPSK 1RB_99		1:1						0.0.0	
	1	1	orn Test Data a			` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `		n 1RB)			
Back side	20	QPSK 1RB_0	19100/1900	1:1	0.463	-0.03	23.65	24.00	1.084	0.502	22.1
	1	I	otspot Test data	at the		Separate	10mm 50%RE	3)	1		
Bottom side	20	QPSK 50RB_0	19100/1900	1:1	0.745	0.10	18.44	19.00	1.138	0.848	22.1
	1	Но	tspot Test data	at the	worst case (Separate '	10mm 100%R	B)	1		
Bottom side	20	PCC QPSK 1RB_0	19100/1900	1:1	0.664	-0.02	18.07	19.00	1.239	0.823	22.1
	20	SCC QPSK 1RB_99		1:1						0.020	
	1	ı	Hotspot T	est Dat	ta at the wor	st case wi	th SIM2		1		
Bottom side	20	QPSK 50RB_0	19100/1900	1:1	0.726	0.12	18.44	19.00	1.138	0.826	22.1
Test position	BW.	Test mode	Test Ch./Freq.	Duty	SAR	Power	Conducted power(dBm)	Tune up	Scaled		Liquid Temp.
		Product	specific 10g S						Tuotoi	OAR(Wing)	remp.
Bottom side	20	QPSK 1RB 50	18900/1880	1:1	1.660	0.01	20.56	21.50	1.242	2.061	22.1
Bottom side	20	QPSK 1RB_99	18700/1860	1:1	1.470	0.09	20.53	21.50	1.250	1.838	22.1
Bottom side	20	QPSK 1RB_99	19100/1900	1:1	1.750	0.05	20.56	21.50	1.242	2.173	22.1
		Product s	pecific 10g SAI	R Test	data with se	nsor on (S	eparate 0mm	50%RB)			
Bottom side	20	QPSK 50RB 0	19100/1900	1:1	1.600	0.04	20.66	21.50	1.213	1.941	22.1
		Product s	pecific 10g SAR	Test o	data with sen	sor on (Se	eparate 0mm	100%RB)	1		
Bottom side	20	QPSK 100RB_0	18900/1880	1:1	1.940	-0.06	20.61	21.50	1.227	2.381	22.1
	20	PCC QPSK 1RB_0	18900/1880	1:1							
Bottom side	20	SCC QPSK 1RB_99	18702/1860.2	1:1	1.710	0.02	20.31	21.50	1.315	2.249	22.1
			t specific 10g S	AR Te	st data with	sensor off	(Separate 9m	m 1R)			
Bottom side	20	QPSK 1RB_0	19100/1900	1:1	1.150	0.04	23.65	24.00	1.084	1.247	22.1
	20	QPSK 1RB_0	18700/1860	1:1	0.714	0.09	23.61	24.00	1.094	0.781	22.1
Bottom side					0.785	0.01	23.54	24.00	1.112	0.873	22.1
Bottom side	20	QPSK 1RB_0	18900/1880	1:1	0.765						
	1		18900/1880 pecific 10g SAI					50%RB)			
	1							50%RB) 23.00	1.127	1.330	22.1
Bottom side	20	Product s	pecific 10g SAI 19100/1900	R Test	data with sel	nsor off (S 0.06	eparate 9mm 22.48	23.00		1.330	22.1
Bottom side	20	Product s	pecific 10g SAI 19100/1900	R Test	data with sel	nsor off (S 0.06	eparate 9mm 22.48	23.00		1.330	22.1
Bottom side	20	Product s QPSK 50RB_0 Product specific	pecific 10g SAI 19100/1900 10g SAR Test I 18900/1880	R Test of 1:1 Data at 1:1	data with sel 1.180 the worst ca 1.940	0.06 se with SI	eparate 9mm 22.48 M 2(Separate 20.61	23.00 0mm 100% 21.5	RB)		
Bottom side	20	Product s QPSK 50RB_0 Product specific QPSK 100RB_0	pecific 10g SAI 19100/1900 10g SAR Test I 18900/1880	R Test of 1:1 Data at 1:1	data with sel 1.180 the worst ca 1.940	0.06 se with SI	eparate 9mm 22.48 M 2(Separate 20.61	23.00 0mm 100% 21.5	RB)		
Bottom side Bottom side Bottom side	20 20 20	Product s QPSK 50RB_0 Product specific QPSK 100RB_0 Product specific 10	pecific 10g SAI 19100/1900 10g SAR Test I 18900/1880 g SAR Test Da 18900/1880	7 Test (1:1) Data at 1:1 ta at the 1:1	data with set 1.180 the worst ca 1.940 e worst case 1.480	nsor off (S 0.06 se with SI 0.01 with Batte 0.06	eparate 9mm 22.48 M 2(Separate 20.61 ery 2#(Separa 20.61	23.00 0mm 100% 21.5 te 0mm 100 21.50	1.227 0%RB) 1.227	2.381	22.1

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				Α	nt2 Test da	ıta							
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)		Scaled factor		Liquid Temp.		
			Head Te	est data	at the wors	t case (50	%RB)						
Left tilted	20	QPSK 50RB_0	19100/1900	1:1	0.709	0.04	19.04	19.5	1.112	0.788	22.1		
ا مداند ما	20	PCC QPSK 1RB_0	19100/1900	1:1	0.409	-0.16	18.31	40.50	4 045	0.500	22.1		
Left tilted	20	SCC QPSK 1RB_99	18902/1880.2	1:1	0.409	-0.16	16.31	19.50	1.315	0.538	22.1		
			Head Te	st data	at the wors	t case with	n SIM2						
Left tilted	20	QPSK 50RB_0	19100/1900	1:1	0.638	-0.03	19.04	19.5	1.112	0.709	22.1		
	Body worn Test data at the worst case (Separate 15mm 1RB)												
Back side	20	QPSK 1RB_0	19100/1900	1:1	0.296	0.17	22.48	23.0	1.127	0.334	22.1		
David at da	20	PCC QPSK 1RB_0	19100/1900	1:1	0.000	0.00	00.00	00.0	4.404	0.202	00.4		
Back side	20	SCC QPSK 1RB_99	18902/1880.2	1:1	0.329	-0.02	22.23	23.0	1.194	0.393	22.1		
			Body worn	Test da	ata at the wo	orst case v	vith SIM2						
Back side	20	QPSK 1RB_0	19100/1900	1:1	0.280	-0.08	22.48	23.0	1.127	0.316	22.1		
		F	lotspot Test Da	ata at th	ne worst cas	e(Separat	te 10mm 1RB						
Top side	20	QPSK 1RB_0	19100/1900	1:1	0.478	0.02	19.53	20.0	1.114	0.533	22.1		
T 14 -	20	PCC QPSK 1RB_0	19100/1900	1:1	0.400	0.00	40.04	00.0	4.470	0.570	00.4		
Top side	20	SCC QPSK 1RB_99	18902/1880.2	1:1	0.493	-0.02	19.31	20.0	1.172	0.578	22.1		
			Hotspot T	est Da	ta at the wo	rst case w	ith SIM2						
Top side	20	QPSK 1RB_0	19100/1900	1:1	0.466	-0.06	19.53	20.0	1.114	0.519	22.1		

Table 36: SAR of LTE Band 2 for Head, Body and Limb(Variant)

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B
- 2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg (2.0 W/kg for 10g) then testing at the other channels is not required for such test configuration(s).

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SAR Result of LTE Band 4

				Α	nt1 Test dat						
Test position	BW.	Test mode	Test Ch./Freq.	Duty	SAR	Power	Conducted	Tune up	Scaled		Liqui
•				Cycle	d Test data(1		power(dBm)	Limit(abin)	Tactor	SAK(W/Kg)	rem
Left cheek	20	QPSK 1RB_0	20300/1745	1:1	0.089	-0.09	23.18	24.00	1.208	0.108	22.3
Left tilted	20	QPSK 1RB_0	20300/1745	1:1	0.089	0.17	23.18	24.00	1.208	0.108	22.3
Right cheek	20	QPSK 1RB_0	20300/1745	1:1	0.024	0.17	23.18	24.00	1.208	0.029	1
Right tilted	20	QPSK 1RB_0	20300/1745	1:1	0.089	0.05	23.18	24.00	1.208	0.107	22.3
Left cheek	20	QPSK 1RB_0	20050/1740	1:1	0.037	-0.03	23.13	24.00	1.222	0.104	22.3
	20	QPSK 1RB_0	20050/1720	1:1	0.083	0.08	23.13		1.213	0.104	
Left cheek	20	QFSK IKB_U	20175/1752.5		Test data(50		23.10	24.00	1.213	0.099	22.3
Left cheek	20	QPSK 50RB_0	20300/1745	1:1	0.057	-0.08	21.54	23.00	1.400	0.080	22.3
Left tilted	20	QPSK 50RB 0	20300/1745	1:1	0.037	0.01	21.54	23.00	1.400	0.000	22.3
Right cheek	20	QPSK 50RB_0	20300/1745	1:1	0.013	-0.03	21.54	23.00	1.400	0.017	22.3
Right tilted	20	QPSK 50RB_0	20300/1745	1:1	0.036	0.03	21.54	23.00	1.400	0.036	22.3
Right tilled	20	QF3K 30KB_0			t the worst ca			23.00	1.400	0.030	22.0
L oft chook	20	QPSK 1RB_0	20300/1745	1:1	0.121	0.03	23.18	24.00	1.208	0.146	22.3
Left cheek	20	QFSK IKB_U					1	24.00	1.206	0.140	22.0
l oft obook	20	ODCK 4DD O			t the worst ca			24.00	1 200	0.142	22.5
Left cheek	20	QPSK 1RB_0	20300/1745	1:1	0.118	0.01	23.18	24.00	1.208	0.143	22.3
	T	0001/100.0	· ·		t data(Separ	1	1 '				
Front side	20	QPSK 1RB_0	20300/1745	1:1	0.428	-0.01	23.18	24.00	1.208	0.517	22.3
Back side	20	QPSK 1RB_0	20300/1745	1:1	0.425	0.05	23.18	24.00	1.208	0.513	22.3
Front side	20	QPSK 1RB_0	20050/1720	1:1	0.389	-0.10	23.13	24.00	1.222	0.475	22.3
Front side	20	QPSK 1RB_0	20175/1732.5	1:1	0.390	-0.06	23.16	24.00	1.213	0.473	22.3
					data (Separat						T
Front side	20	QPSK 50RB_0		1:1	0.293	-0.04	21.54	23.00	1.400	0.410	22.3
Back side	20	QPSK 50RB_0	20300/1745	1:1	0.291	0.00	21.54	23.00	1.400	0.407	22.3
			· · · · · · · · · · · · · · · · · · ·		a at the worst						
Front side	20	QPSK 1RB_0	20300/1745	1:1	0.387	-0.14	23.18	24.00	1.208	0.467	22.3
		T			a at the worst		Battery 3#		1	1	
Front side	20	QPSK 1RB_0	20300/1745	1:1	0.361	-0.16	23.18	24.00	1.208	0.436	22.3
	,	T			data (Separat	1			1	1	
Front side	20	QPSK 1RB_0	20175/1732.5	1:1	0.234	-0.04	17.69	18.50	1.205	0.282	22.3
Back side	20	QPSK 1RB_0	20175/1732.5	1:1	0.256	-0.11	17.69	18.50	1.205	0.308	22.3
Left side	20	QPSK 1RB_0	20175/1732.5	1:1	0.033	-0.06	17.69	18.50	1.205	0.040	22.3
Right side	20	QPSK 1RB_0	20175/1732.5	1:1	0.018	-0.04	17.69	18.50	1.205	0.021	22.3
Bottom side	20	QPSK 1RB_0	20175/1732.5	1:1	0.465	0.03	17.69	18.50	1.205	0.560	22.3
				t Test da	ita (Separate	10mm 50	%RB)				
Front side	20	QPSK 50RB_0	20175/1732.5	1:1	0.231	-0.04	17.53	18.50	1.250	0.289	22.3
Back side	20	QPSK 50RB_0	20175/1732.5	1:1	0.251	0.06	17.53	18.50	1.250	0.314	22.3
Left side	20	QPSK 50RB_0	20175/1732.5	1:1	0.033	-0.14	17.53	18.50	1.250	0.042	22.3
Right side	20	QPSK 50RB_0	20175/1732.5	1:1	0.026	-0.01	17.53	18.50	1.250	0.033	22.3
Bottom side	20	QPSK 50RB_0	20175/1732.5	1:1	0.465	0.02	17.53	18.50	1.250	0.581	22.3
Bottom side	20	QPSK 50RB_0	20050/1720	1:1	0.448	0.01	17.49	18.50	1.262	0.565	22.3
Bottom side	20	QPSK 50RB_0	20300/1745	1:1	0.468	0.02	17.52	18.50	1.253	0.586	22.3
			Hotspot Te	est Data	at the worst o	case with E	Battery 2#				
Bottom side	20	QPSK 50RB_0	20300/1745	1:1	0.380	0.05	17.52	18.50	1.253	0.476	22.3
			Hotspot Te	est Data	at the worst o	case with E	Battery 3#				
Bottom side	20	QPSK 50RB_0	20300/1745	1:1	0.366	0.07	17.52	18.50	1.253	0.459	22.3
				А	nt2 Test dat	a					
Test position	BW.	Tost mode	Test Ch./Freg.	Duty	SAR	Power	Conducted	Tune up	Scaled		Liqui
Test position	DVV.	Test mode	rest Cn./Freq.	Cycle	(W/kg)1-g	Drift(dB)	power(dBm)			SAR(W/kg)	
				Hea	d Test data(1	RB)					
Left cheek	20	QPSK 1RB_0	20050/1720	1:1	0.457	-0.03	20.28	21.00	1.180	0.539	22.3
Left tilted	20	QPSK 1RB_0	20050/1720	1:1	0.763	0.00	20.28	21.00	1.180	0.901	22.3

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Left tilted	20	QPSK 1RB_0	20050/1720	7 47	() 33/1	-0.04					
				1:1	d Test data(1 0.334		17.15	18.00	1.216	0.406	22.3
Test position	BW.	Test mode	Test Ch./Freq.	Cycle	(W/kg)1-g	Drift(dB)	power(dBm)				
		An	t2 Additional To	est data(Duty	simultaneou SAR	s transm Power	Sion with W	/IFI) Tune up	Scaled	Scaled	Liqui
Top side	20	QPSK 50RB_0	20300/1745	1:1	0.334	-0.01	19.47	20.50	1.268	0.423	22.3
Top cide	20	ODOK FORD O			at the worst o	1		20.50	4.000	0.400	20.0
Top side	20	QPSK 50RB_0	20300/1745	1:1	0.336	-0.05	19.47	20.50	1.268	0.426	22.3
Top side	20	ODSK FORD O			at the worst o			20.50	1.000	0.426	1 22 2
Top side	20	QPSK 50RB_0	20300/1745	1:1	0.381	-0.01	19.47	20.50	1.268	0.483	22.3
Top side	20	QPSK 50RB_0	20175/1732.5	1:1	0.384	-0.01	19.53	20.50	1.250	0.480	22.3
Top side	20	QPSK 50RB_0	20050/1720	1:1	0.373	-0.04	19.54	20.50	1.247	0.465	22.3
Right side	20	QPSK 50RB_0	20050/1720	1:1	0.026	-0.03	19.54	20.50	1.247	0.032	22.3
Left side	20	QPSK 50RB_0	20050/1720	1:1	0.257	-0.05	19.54	20.50	1.247	0.321	22.
Back side	20	QPSK 50RB_0	20050/1720	1:1	0.289	-0.17	19.54	20.50	1.247	0.360	22.
Front side	20	QPSK 50RB_0	20050/1720	1:1	0.208	-0.18	19.54	20.50	1.247	0.259	22.
		000//5555			ta (Separate						T
Top side	20	QPSK 1RB_0	20050/1720	1:1	0.374	-0.05	19.75	20.50	1.189	0.444	22.
Right side	20	QPSK 1RB_0	20050/1720	1:1	0.025	-0.06	19.75	20.50	1.189	0.029	22.
Left side	20	QPSK 1RB_0	20050/1720	1:1	0.257	-0.07	19.75	20.50	1.189	0.305	22.
Back side	20	QPSK 1RB_0	20050/1720	1:1	0.291	-0.13	19.75	20.50	1.189	0.346	22.
Front side	20	QPSK 1RB_0	20050/1720	1:1	0.211	-0.09	19.75	20.50	1.189	0.251	22.
					data(Separat	1	· ·			1	
Back side	20	QPSK 1RB_0	20175/1732.5	1:1	0.302	-0.07	22.70	23.50	1.202	0.363	22.
					at the worst			64 1			
Back side	20	QPSK 1RB_0	20175/1732.5	1:1	0.281	-0.02	22.70	23.50	1.202	0.338	22.
_ 600		00011:			at the worst						T
Back side	20	QPSK 50RB_0	20050/1720	1:1	0.256	0.03	21.59	23.00	1.384	0.354	22.
Front side	20	QPSK 50RB_0	20050/1720	1:1	0.191	-0.03	21.59	23.00	1.384	0.264	22.
Face 1 11	00	ODOI: 5055 -			lata (Separat			00.00	4.00:	0.00:	1
Back side	20	QPSK 1RB_0	20300/1745	1:1	0.321	-0.10	22.53	23.50	1.250	0.401	22
Back side	20	QPSK 1RB_0	20050/1720	1:1	0.326	-0.01	22.56	23.50	1.242	0.405	22
Back side	20	QPSK 1RB_0	20175/1732.5	1:1	0.340	-0.05	22.70	23.50	1.202	0.409	22
Front side	20	QPSK 1RB_0	20175/1732.5	1:1	0.248	-0.14	22.70	23.50	1.202	0.298	22
		0001/ 100 -			t data(Separa			00.75	4.655	0.000	1
Left tilted	20	QPSK 1RB_0	20175/1732.5	1:1	0.655	0.04	20.11	21.00	1.227	0.804	22
1 - 6 - 62 - 1		0001/400 0			t the worst ca			04.00	4.007	0.004	T 22
Left tilted	20	QPSK 1RB_0	20175/1732.5	1:1	0.565	0.09	20.11	21.00	1.227	0.694	22
		00011:			t the worst ca	1		1			T
Left tilted	20	QPSK 100RB_0		1:1	0.672	0.02	20.10	21.00	1.230	0.827	22
					Test data(100		1				<u> </u>
Left tilted	20	QPSK 50RB_0	20300/1745	1:1	0.784	-0.07	20.13	21.00	1.222	0.958	22
Left tilted	20	QPSK 50RB_0	20175/1732.5	1:1	0.785	-0.07	20.08	21.00	1.236	0.970	22
Right tilted	_	QPSK 50RB_25		1:1	0.644	0.03	18.12	19.00	1.225	0.789	22.
Right cheek	+	QPSK 50RB_25	20050/1720	1:1	0.615	0.03	18.12	19.00	1.225	0.753	22
Left tilted	20	QPSK 50RB_0	20050/1720	1:1	0.774	0.02	20.18	21.00	1.208	0.935	22
Left cheek	20	QPSK 50RB_0	20050/1720	1:1	0.462	0.01	20.18	21.00	1.208	0.558	22.
				Head	Test data(50	%RB)					
Left tilted	20	QPSK 1RB_0	20300/1745	1:1	0.756	-0.01	20.25	21.00	1.189	0.899	22.
Left tilted	20	QPSK 1RB_0	20175/1732.5	1:1	0.794	0.01	20.11	21.00	1.227	0.975	22.
Right tilted	20	QPSK 1RB_0 QPSK 1RB_0	20050/1720 20050/1720	1:1	0.646	0.16 -0.01	18.26 18.26	19.00 19.00	1.186	0.766	22

Table 37: SAR of LTE Band 4 for Head and Body (Original report E5/2018/C0055).

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

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				Α	nt1 Test dat						
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor		Liquid Temp.
	1		Head Tes	t Data a	t the worst ca	se with Ba	attery 2#		•	1	
Left cheek	20	QPSK 1RB_0	20300/1745	1:1	0.119	0.02	23.18	24.00	1.208	0.144	22.3
			Body worn Test	data at t	he worst cas	e (Separa	te 15mm 1RB)			
Front side	20	QPSK 1RB_0	20300/1745	1:1	0.359	-0.06	23.18	24.00	1.208	0.434	22.3
			Hotspot Test da	ta at the	worst case (S	Separate 1	10mm 50%RB)			
Bottom side	20	QPSK 50RB_0	20300/1745	1:1	0.400	0.13	17.52	18.50	1.253	0.501	22.3
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)10-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
		Prod	uct specific 10g	SAR Tes	t data with se	ensor on (S	Separate 0mm	1RB)			
Bottom side	20	QPSK 1RB_0	20300/1745	1:1	2.060	0.02	20.89	22.00	1.291	2.660	22.3
Bottom side	20	QPSK 1RB_0	20050/1720	1:1	1.560	0.08	20.73	22.00	1.340	2.090	22.3
Bottom side	20	QPSK 1RB_99	20175/1732.5	1:1	1.610	0.04	20.87	22.00	1.297	2.088	22.3
Bottom side- Repeat	20	QPSK 1RB_0	20300/1745	1:1	2.010	0.05	20.89	22.00	1.291	2.595	22.3
		Produc	ct specific 10g SA	AR Test of	data with sen	sor on (Se	eparate 0mm 5	50%RB)			
Bottom side	20	QPSK 50RB_0	20300/1745	1:1	1.850	0.05	21.04	22.00	1.247	2.308	22.3
Bottom side	20	QPSK 50RB_0	20050/1720	1:1	1.810	0.09	20.70	22.00	1.349	2.442	22.3
Bottom side	20	QPSK 50RB_50	20175/1732.5	1:1	1.920	0.01	20.77	22.00	1.327	2.549	22.3
		Produc	t specific 10g SA	R Test d	ata with sens	sor on (Se	parate 0mm 1	00%RB)			
Bottom side	20	QPSK 100RB_0	20300/1745	1:1	1.930	0.09	21.00	22.00	1.259	2.430	22.3
		Prod	uct specific 10g	SAR Tes	t data with se	ensor off (S	Separate 9mm	1RB)			
Bottom side	20	QPSK 1RB_0	20300/1745	1:1	0.780	0.03	23.18	24.00	1.208	0.942	22.3
Bottom side	20	QPSK 1RB_0	20050/1720	1:1	0.551	0.10	23.13	24.00	1.222	0.673	22.3
Bottom side	20	QPSK 1RB_0	20175/1732.5	1:1	0.538	0.11	23.16	24.00	1.213	0.653	22.3
		Produc	ct specific 10g SA	AR Test of	data with sen	sor off (Se	eparate 9mm 5	50%RB)			
Bottom side	20	QPSK 50RB_0	20300/1745	1:1	0.604	0.12	21.54	23.00	1.400	0.845	22.3
		Product spe	ecific 10g SAR To	est Data	at the worst	case with I	Battery 2#(Sep	oarate 0mm)			
Bottom side	20	QPSK 1RB_0	20300/1745	1:1	1.910	0.03	20.89	22.00	1.291	2.466	22.3
		Product spe	ecific 10g SAR To	est Data	at the worst	case with I	Battery 3#(Sep	oarate 0mm)			
Bottom side	20	QPSK 1RB_0	20300/1745	1:1	1.980	0.02	20.89	22.00	1.291	2.557	22.3
				Α	nt2 Test dat	а				·	
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
			Head	Test da	ta at the wors	st case (1F	RB)				
Left tilted	20	QPSK 1RB_0	20175/1732.5	1:1	0.613	-0.01	20.11	21.00	1.227	0.752	22.3
			Body worn Test	data at t	he worst cas	e (Separa	te 15mm 1RB)			
Back side	20	QPSK 1RB_0	20175/1732.5	1:1	0.268	-0.16	22.70	23.50	1.202	0.322	22.3
			Hotspot Test da	ta at the	worst case (S	Separate 1	10mm 50%RB				
Top side	20	QPSK 50RB 0	20300/1745	1:1	0.308	-0.05	19.47	20.50	1.268	0.390	22.3

Table 38: SAR of LTE Band 4 for Head, Body and Limb(Original report E5/2018/C0055).

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

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				Δn	t1 Test data	1					
Test position	BW.	Test mode	Test Ch./Freq.	Duty	SAR	Power	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquio Temp
			Head Test [Data at	the worst cas	se with Ba	attery 2#				
Left cheek	20	QPSK 1RB_0	20300/1745	1:1	0.133	-0.09	23.18	24.00	1.208	0.161	22.3
			Head Tes	t Data a	at the worst o	ase with	SIM 2				
Left cheek	20	QPSK 1RB_0	20300/1745	1:1	0.125	0.08	23.18	24.00	1.208	0.151	22.3
		Вс	ody worn Test da	ata at th	e worst case	e (Separa	te 15mm 1RB))			
Front side	20	QPSK 1RB_0	20300/1745	1:1	0.381	-0.01	23.18	24.00	1.208	0.460	22.3
			Body worn T	est Dat	a at the wors	t case wi	th SIM 2		26		
Front side	20	QPSK 1RB_0	20300/1745	1:1	0.376	-0.07	23.18	24.00	1.208	0.454	22.3
		Hc	tspot Test data	at the w	orst case (S	eparate 1	0mm 50%RB)				
Bottom side	20	QPSK 50RB_0	20300/1745	1:1	0.224	-0.03	17.52	18.50	1.253	0.281	22.3
					at the worst	case witl	h SIM2				1
Bottom side	20	QPSK 50RB_0		1:1	0.207	-0.08	17.52	18.50	1.253	0.259	22.3
		_		Duty	SAR	Power	Conducted	Tune up	Scaled	Scaled	Liquid
Test position	BW.	Test mode	Test Ch./Freq.		(W/kg)10-g	Drift(dB)	power(dBm)	Limit(dBm)	factor	SAR(W/kg)	
		Product	specific 10g SA	R Test	data with se	nsor on(S	Separate 0mm	1RB)			
Bottom side	20	QPSK 1RB_0	20300/1745	1:1	2.490	-0.02	20.89	22.00	1.291	3.215	22.3
Bottom side	20	QPSK 1RB_0	20050/1720	1:1	1.700	-0.01	20.73	22.00	1.340	2.277	22.3
Bottom side	20	QPSK 1RB_0	20175/1732.5	1:1	1.590	-0.02	20.87	22.00	1.297	2.063	22.3
Bottom side-Repeat	20	QPSK 1RB_0	20300/1745	1:1	2.430	-0.08	20.89	22.00	1.291	3.138	22.3
		Product s	pecific 10g SAR	Test d	ata with sens	sor on(Se	parate 0mm 5	0%RB)			
Bottom side	20	QPSK 1RB_0	20300/1745	1:1	2.370	-0.08	21.04	22.00	1.247	2.956	22.3
Bottom side	20	QPSK 1RB_0	20050/1720	1:1	1.530	-0.08	20.70	22.00	1.349	2.064	22.3
Bottom side	20	QPSK 1RB 0		1:1	2.320	-0.04	20.77	22.00	1.327	3.080	22.3
20110111 GIGG			pecific 10g SAR							0.000	
Bottom side	20	QPSK	20300/1745	1:1	2.030	-0.01	21.00	22.00	1.259	2.556	22.3
Bottom side	20		specific 10g SA						1.200	2.000	22.0
Bottom side	20	QPSK 50RB_0		1:1	0.749	-0.03	23.18	24.00	1.208	0.905	22.3
Bottom side		QPSK 50RB_0		1:1	0.749	-0.05	23.13	24.00	1.222	0.645	22.3
Bottom side	_	QPSK 50RB_0		1:1	0.783	-0.02	23.16	24.00	1.213	0.043	22.3
Bottom side	20						l .		1.213	0.950	22.3
Dattam aida	20		specific 10g SAR						4 400	0.750	20.0
Bottom side	20	QPSK 50RB_0		1:1	0.538	-0.06	21.54	23.00	1.400	0.753	22.3
Dattam aida	20		cific 10g SAR Te				· · ·	,	4 004	0.000	20.0
Bottom side	20	QPSK 1RB_0		1:1	2.320	-0.04	20.89	22.00	1.291	2.996	22.3
	-00		fic 10g SAR Tes							0.044	00.0
Bottom side	20	QPSK 1RB_0		1:1	2.200	-0.03	20.89	22.00	1.291	2.841	22.3
			ic 10g SAR Test								1
Bottom side	20	QPSK 1RB_0	20300/1745	1:1	1.880	0.02	20.89	22.00	1.291	2.427	22.3
			1		t2 Test data		1	_			
Test position	BW.	Test mode	Test Ch./Freq.	Duty	SAR	Power	Conducted power(dBm)		Scaled	Scaled	Liquid
			Head T		a at the wors			Lillil(ubili)	iactor	SAN(W/Ng)	Лешр
Left tilted	20	QPSK 1RB_0	20175/1732.5	1:1	0.464	-0.06	20.11	21.00	1.227	0.570	22.3
LOIL HILEU	20	GI OK IKD_0			at the worst of			21.00	1.221	0.570	22.3
	20	QPSK 1RB 0		1:1	0.462	-0.06	20.11	21.00	1.227	0.567	22.3
Left tilted			20110/1102.0	1.1	0.402	-0.06	20.11		1.221	0.567	22.3
Left tilted	20	_		240 C4 AL	o word ac-	10000-	to 15mm 100)	١			
		Bo	ody worn Test da						4.000	0.000	00.0
Left tilted Back side	20	Bo	ody worn Test da 20175/1732.5	1:1	0.188	-0.17	22.70	23.50	1.202	0.226	22.3
		Bo	ody worn Test da 20175/1732.5 Body worn T	1:1	0.188	-0.17	22.70		1.202	0.226	22.3

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Top side	20	QPSK 50RB_0	20300/1745	1:1	0.167	-0.06	19.47	20.50	1.268	0.212	22.3
Hotspot Test Data at the worst case with SIM2											
Top side	20	QPSK 50RB_0	20300/1745	1:1	0.164	-0.02	19.47	20.50	1.268	0.208	22.3

Table 39: SAR of LTE Band 4 for Head, Body and Limb(Variant)

Note:

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

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

Test Position	Channel/ Frequency	Measured SAR	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
	(MHz)	(1g)	SAR (1g)		SAR (1g)	SAR (1g)
Bottom side	20300/1745	2.490	2.430	1.025	N/A	N/A

Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.

2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).

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

4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg

Table 40: SAR Measurement Variability Results

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8.3.8 SAR Result of LTE Band 5

					Ant1 Te	st data					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
					Head Test	data(1RB)					
Left cheek	10	QPSK 1RB_0	20450/829	1:1	0.126	0.05	23.31	24.00	1.172	0.148	22.1
Left tilted	10	QPSK 1RB_0	20450/829	1:1	0.083	0.09	23.31	24.00	1.172	0.097	22.1
Right cheek	10	QPSK 1RB_0	20450/829	1:1	0.188	-0.04	23.31	24.00	1.172	0.220	22.1
Right tilted	10	QPSK 1RB_0	20450/829	1:1	0.099	-0.09	23.31	24.00	1.172	0.116	22.1
Right cheek	10	QPSK 1RB_0	20525/836.5	1:1	0.173	-0.07	23.29	24.00	1.178	0.204	22.1
Right cheek	10	QPSK 1RB_0	20600/844	1:1	0.186	0.08	23.25	24.00	1.189	0.221	22.1
							Head	Test data(50)%RB)		
Left cheek	10	QPSK 25RB_0	20450/829	1:1	0.105	0.05	22.25	23.00	1.189	0.125	22.1
Left tilted	10	QPSK 25RB_0	20450/829	1:1	0.069	0.13	22.25	23.00	1.189	0.082	22.1
Right cheek	10	QPSK 25RB_0	20450/829	1:1	0.155	-0.01	22.25	23.00	1.189	0.184	22.1
Right tilted	10	QPSK 25RB_0	20450/829	1:1	0.082	-0.06	22.25	23.00	1.189	0.098	22.1
			Hea	nd Test Da	ata at the wo	orst case w	ith Battery 2#				
Right cheek	10	QPSK 1RB_0	20600/844	1:1	0.176	0.07	23.25	24.00	1.189	0.209	22.1
			Hea	d Test Da	ata at the wo	rst case w	ith Battery 3#				
Right cheek	10	QPSK 1RB_0	20600/844	1:1	0.157	0.03	23.25	24.00	1.189	0.187	22.1
			E	Body worn	Test data(S	Separate 15	5mm 1RB)				
Front side	10	QPSK 1RB_0	20450/829	1:1	0.297	-0.07	23.31	24.00	1.172	0.348	22.1
Back side	10	QPSK 1RB_0	20450/829	1:1	0.317	0.05	23.31	24.00	1.172	0.372	22.1
Back side	10	QPSK 1RB_0	20525/836.5	1:1	0.342	0.05	23.29	24.00	1.178	0.403	22.1
Back side	10	QPSK 1RB_0	20600/844	1:1	0.352	0.07	23.25	24.00	1.189	0.418	22.1
			Во	dy worn T	est data (Se	parate 15r	nm 50%RB)				
Front side	10	QPSK 25RB_0	20450/829	1:1	0.241	-0.08	22.25	23.00	1.189	0.286	22.1
Back side	10	QPSK 25RB_0	20450/829	1:1	0.258	0.05	22.25	23.00	1.189	0.307	22.1
			Body	worn Test	data at the	worst case	with Battery 2	2#			
Back side	10	QPSK 1RB_0	20600/844	1:1	0.278	0.05	23.25	24.00	1.189	0.330	22.1
			Body	worn Test	data at the	worst case	with Battery 3	3#		•	
Back side	10	QPSK 1RB_0	20600/844	1:1	0.340	0.05	23.25	24.00	1.189	0.404	22.1
				Hotspot 7	Test data(Se	parate 10n	nm 1RB)			•	
Front side	10	QPSK 1RB_0	20450/829	1:1	0.441	-0.07	23.31	24.00	1.172	0.517	22.1
Back side	10	QPSK 1RB_0	20450/829	1:1	0.506	0.06	23.31	24.00	1.172	0.593	22.1
Left side	10	QPSK 1RB_0	20450/829	1:1	0.089	-0.08	23.31	24.00	1.172	0.104	22.1
Right side	10	QPSK 1RB_0	20450/829	1:1	0.321	-0.16	23.31	24.00	1.172	0.376	22.1
Bottom side	10	QPSK 1RB_0	20450/829	1:1	0.305	-0.08	23.31	24.00	1.172	0.358	22.1
Back side	10	QPSK 1RB_0	20525/836.5	1:1	0.376	0.07	23.29	24.00	1.178	0.443	22.1
Back side	10	QPSK 1RB_0	20600/844	1:1	0.468	0.09	23.25	24.00	1.189	0.556	22.1
			Н	otspot Te	st data (Sep	arate 10mi	m 50%RB)				
Front side	10	QPSK 25RB_0	20450/829	1:1	0.358	-0.09	22.25	23.00	1.189	0.425	22.1
Back side	10	QPSK 25RB_0	20450/829	1:1	0.407	0.05	22.25	23.00	1.189	0.484	22.1
Left side	10	QPSK 25RB_0	20450/829	1:1	0.053	-0.15	22.25	23.00	1.189	0.063	22.1
Right side	10	QPSK 25RB_0	20450/829	1:1	0.187	-0.10	22.25	23.00	1.189	0.222	22.1
Bottom side	10	QPSK 25RB_0	20450/829	1:1	0.204	-0.04	22.25	23.00	1.189	0.242	22.1
			Hots	oot Test d	ata at the w	orst case v	vith Battery 2#			<u>. </u>	
Back side	10	QPSK 1RB_0	20450/829	1:1	0.370	0.07	23.31	24.00	1.172	0.434	22.1
	ı				1		vith Battery 3#			1	
Back side	10	QPSK 1RB_0	20450/829	1:1	0.462	0.08	23.31	24.00	1.172	0.542	22.1

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					Ant2 Tes	st data					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR	Power	Conducted power(dBm)		Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
					Head Test of	data(1RB)					
Left cheek	10	QPSK 1RB_0	20450/829	1:1	0.643	-0.04	21.08	22.00	1.236	0.795	22.1
Left tilted	10	QPSK 1RB_0	20450/829	1:1	0.561	0.01	21.08	22.00	1.236	0.693	22.1
Right cheek	10	QPSK 1RB_0	20525/836.5	1:1	0.511	-0.04	20.68	21.50	1.208	0.617	22.1
Right tilted	10	QPSK 1RB_0	20525/836.5	1:1	0.517	0.02	20.68	21.50	1.208	0.624	22.1
				Н	ead Test da	ta(50%RB)				
Left cheek	10	QPSK 25RB_0	20450/829	1:1	0.644	0.01	21.07	22.00	1.239	0.798	22.1
Left tilted	10	QPSK 25RB_0	20450/829	1:1	0.573	0.17	21.07	22.00	1.239	0.710	22.1
Right cheek	10	QPSK 25RB_13	20450/829	1:1	0.518	-0.08	20.53	21.50	1.250	0.648	22.1
Right tilted	10	QPSK 25RB_13	20450/829	1:1	0.491	0.05	20.53	21.50	1.250	0.614	22.1
Left cheek	10	QPSK 25RB_0	20525/836.5	1:1	0.632	0.05	21.05	22.00	1.245	0.787	22.1
Left cheek	10	QPSK 25RB_0	20600/844	1:1	0.632	0.02	21.01	22.00	1.256	0.794	22.1
			Hea	d Test Da	ata at the wo	rst case w	ith Battery 2#				
Left cheek	10	QPSK 25RB_0	20450/829	1:1	0.592	0.02	21.07	22.00	1.239	0.733	22.1
		•	Hea	d Test Da	ata at the wo	rst case w	ith Battery 3#				
Left cheek	10	QPSK 25RB_0	20450/829	1:1	0.601	0.03	21.07	22.00	1.239	0.745	22.1
			E	Body worn	Test data(S	Separate 15	mm 1RB)			l l	
Front side	10	QPSK 1RB_0	20450/829	1:1	0.147	0.08	23.14	24.00	1.219	0.179	22.1
Back side	10	QPSK 1RB_0	20450/829	1:1	0.144	-0.03	23.14	24.00	1.219	0.176	22.1
Front side	10	QPSK 1RB_0	20525/836.5	1:1	0.160	0.07	23.11	24.00	1.227	0.196	22.1
Front side	10	QPSK 1RB_0	20600/844	1:1	0.149	0.10	22.89	24.00	1.291	0.192	22.1
110111 0100		<u> </u>			l		nm 50%RB)	200		002	
Front side	10	QPSK 25RB_25		1:1	0.108	0.13	22.16	23.00	1.213	0.131	22.1
Back side		QPSK 25RB 25		1:1	0.106	0.00	22.16	23.00	1.213	0.129	22.1
Dack slac	10	QI OIT ZOITB_ZO					with Battery 2		1.210	0.123	22.1
Front side	10	QPSK 1RB_0	20525/836.5	1:1	0.159	0.07	23.11	24.00	1.227	0.195	22.1
FIUIT Side	10	QFSK IKB_0					with Battery 3		1.221	0.195	22.1
Front oido	10	ODSK 1DD 0	20525/836.5	1:1		0.05	23.11		1 227	0.190	22.1
Front side	10	QPSK 1RB_0	20525/636.5		0.147			24.00	1.227	0.180	22.1
Fuent side	40	ODCK ADD OF	00450/000		est data(Se		,	04.00	4.407	0.450	20.4
Front side	10	QPSK 1RB_25	20450/829	1:1	0.134	0.03	20.33	21.00	1.167	0.156	22.1
Back side	10	QPSK 1RB_25	20450/829	1:1	0.164	-0.01	20.33	21.00	1.167	0.191	22.1
Left side	10	QPSK 1RB_25	20450/829	1:1	0.050	0.00	20.33	21.00	1.167	0.058	22.1
Right side	10	QPSK 1RB_25	20450/829	1:1	0.011	0.03	20.33	21.00	1.167	0.012	22.1
Top side	10	QPSK 1RB_25	20450/829	1:1	0.112	0.04	20.33	21.00	1.167	0.131	22.1
		000110000			st data (Sep			21.22	1.070		
Front side	10	QPSK 25RB_0	20450/829	1:1	0.147	0.17	20.01	21.00	1.256	0.185	22.1
Back side	10	QPSK 25RB_0	20450/829	1:1	0.173	-0.09	20.01	21.00	1.256	0.217	22.1
Left side	10	QPSK 25RB_0	20450/829	1:1	0.053	-0.01	20.01	21.00	1.256	0.066	22.1
Right side	10	QPSK 25RB_0	20450/829	1:1	0.010	0.04	20.01	21.00	1.256	0.013	22.1
Top side	10	QPSK 25RB_0	20450/829	1:1	0.119	0.09	20.01	21.00	1.256	0.149	22.1
Back side	10	QPSK 25RB_0	20525/836.5	1:1	0.162	-0.08	19.95	21.00	1.274	0.206	22.1
Back side	10	QPSK 25RB_0	20600/844	1:1	0.154	-0.13	19.89	21.00	1.291	0.199	22.1
	1	i		ot Test D			vith Battery 2#		-		
Back side	10	QPSK 25RB_0	20450/829	1:1	0.138	-0.13	20.01	21.00	1.256	0.173	22.1
	1		Hotsp	ot Test D	ata at the w	orst case v	vith Battery 3#	!			
Back side	10	QPSK 25RB_0	20450/829	1:1	0.153	-0.10	20.01	21.00	1.256	0.192	22.1

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			Ant2 Additio	nal Test d	lata(simulta	aneous tra	nsmission wi	ith WIFI)						
Test position														
	Head Test data(1RB)													
Left tilted	Left tilted 10 QPSK 1RB_0 20450/829 1:1 0.225 0.09 17.63 19.00 1.371 0.308 22.1													

Table 41: SAR of LTE Band 5 for Head and Body(Original report E5/2018/C0055).

Tubic 41.		COLLE Bank			Ant1 Te			/-					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR	Power	Conducted power(dBm)		Scaled factor	Scaled SAR(W/kg)	Liquid Temp.		
				Head Tes	st data at th	e worst ca	se (1RB)						
Right cheek	10	QPSK 1RB_0	20600/844	1:1	0.179	0.18	23.25	24.00	1.189	0.213	22.1		
			Body worr	Test data	a at the wor	st case (Se	parate 15mm	1RB)					
Back side	10	QPSK 1RB_0	20600/844	1:1	0.298	0.16	23.25	24.00	1.189	0.354	22.1		
Hotspot Test data at the worst case (Separate 10mm 1RB)													
Back side	10	QPSK 1RB_0	20450/829	1:1	0.373	0.03	23.31	24.00	1.172	0.437	22.1		
					Ant2 Te	st data							
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.		
			H	lead Test	data at the	worst case	(50%RB)						
Left cheek	10	QPSK 25RB_0	20450/829	1:1	0.579	-0.07	21.07	22.00	1.239	0.717	22.1		
			Body wor	n Test dat	a at the wor	st case (Se	eparate 15mm	1RB)					
Front side	10	QPSK 1RB_0	20525/836.5	1:1	0.184	-0.01	23.11	24.00	1.227	0.226	22.1		
			Hotspot Te	est data at	the worst c	ase (Sepa	rate 10mm 50°	%RB)					
Back side	10	QPSK 25RB_0	20450/829	1:1	0.166	0.02	20.01	21.00	1.256	0.209	22.1		

Table 42: SAR of LTE Band 5 for Head and Body(Original report E5/2018/C0055).

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

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		•			Ant1 Tes	t data					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)		Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
			Н	lead Tes	t data at the	worst cas	e (1RB)				
Right cheek	10	QPSK 1RB_0	20600/844	1:1	0.212	-0.10	23.25	24.00	1.189	0.252	22.1
			Hea	ad Test D	ata at the v	vorst case	with SIM2				
Right cheek	10	QPSK 1RB_0	20600/844	1:1	0.211	-0.17	23.25	24.00	1.189	0.251	22.1
			Body worn T	est data	at the wors	t case (Se	parate 15mm	IRB)			
Back side	10	QPSK 1RB_0	20600/844	1:1	0.275	-0.19	23.25	24.00	1.189	0.327	22.1
			Body	worn Tes	t data at th	e worst cas	se with SIM2				
Back side	10	QPSK 1RB_0	20600/844	1:1	0.263	0.00	23.25	24.00	1.189	0.313	22.1
			Hotspot Te	st data a	t the worst	case (Sepa	arate 10mm 1F	RB)	1 6		
Back side	10	QPSK 1RB_0	20450/829	1:1	0.350	0.07	23.31	24.00	1.172	0.410	22.1
			Hots	pot Test	data at the	worst case	with SIM2			1	
Back side	10	QPSK 1RB_0	20450/829	1:1	0.345	0.03	23.31	24.00	1.172	0.404	22.1
					Ant2 Tes		1	_			
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
			He	ad Test	data at the	worst case	(50%RB)				
Left cheek	10	QPSK 25RB_0	20450/829	1:1	0.734	0.05	21.07	22.00	1.239	0.909	22.1
			H	ead Test	data at the	worst case	e(100%RB)				
Left cheek	10	QPSK 25RB_0	20450/829	1:1	0.718	-0.01	21.01	22.00	1.256	0.902	22.1
			Hea	ad Test D	ata at the v	vorst case	with SIM2				
Left cheek	10	QPSK 25RB_0	20450/829	1:1	0.726	0.07	21.07	22.00	1.239	0.899	22.1
AL			Body worn	Test data	at the wors	t case (Se	parate 15mm	1RB)	20		
Front side	10	QPSK 1RB_0	20525/836.5	1:1	0.182	0.01	23.11	24.00	1.227	0.223	22.1
1 8 7			·		1	1	se with SIM2				
Front side	10	QPSK 1RB_0	20525/836.5	1:1	0.178	0.06	23.11	24.00	1.227	0.218	22.1
			· · ·			· ·	ate 10mm 50%	-		1	
Back side	10	QPSK 25RB_0	20450/829	1:1	0.145	-0.08	20.01	21.00	1.256	0.182	22.1
			1				e with SIM2			1	
Back side	10	QPSK 25RB_0	20450/829	1:1	0.142	-0.06	20.01	21.00	1.256	0.178	22.1
T4			Ant2 Additiona				1		Carla !	الحماميا	Limit
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
				H	lead Test d	ata(1RB)					
Left cheek	10	QPSK 1RB 0	20450/829	1:1	0.357	0.02	17.63	19.00	1.371	0.389	22.1

Table 43: SAR of LTE Band 5 for Head and Body(Variant)

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B
- 2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號 t (886-2) 2299-3279 www.tw.sas.com



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8.3.9 SAR Result of LTE Band 7

		1			nt1 Test da						
Test position	BW.	Test mode	Test Ch./Freq.	Duty	SAR	Power	Conducted	Tune up	Scaled	Scaled	Liquid
					d Test data(power(dBm)	Liiiii(ubiii)	Tactor	SAR(W/kg) remp
Left cheek	20	QPSK 1RB_99	20850/2510	1:1	0.069	0.06	23.25	23.60	1.084	0.075	22.3
Left tilted	20	QPSK 1RB_99	20850/2510	1:1	0.046	0.06	23.25	23.60	1.084	0.050	22.3
Right cheek	20	QPSK 1RB_99	20850/2510	1:1	0.106	-0.01	23.25	23.60	1.084	0.115	22.3
Right tilted	20	QPSK 1RB_99	20850/2510	1:1	0.073	0.04	23.25	23.60	1.084	0.079	22.3
Right cheek	20	QPSK 1RB_99	1	1:1	0.095	0.05	23.18	23.60	1.102	0.105	22.3
Right cheek	20	QPSK 1RB_99	21350/2560	1:1	0.084	0.06	23.21	23.60	1.094	0.091	22.3
	1			Head '	Test data(50			CA	17		
Left cheek	20	QPSK 50RB_50	20850/2510	1:1	0.046	0.01	21.61	22.60	1.256	0.057	22.3
Left tilted	20	QPSK 50RB_50	20850/2510	1:1	0.031	0.08	21.61	22.60	1.256	0.039	22.3
Right cheek	20	QPSK 50RB_50	20850/2510	1:1	0.072	0.07	21.61	22.60	1.256	0.091	22.3
Right tilted	20	QPSK 50RB_50	20850/2510	1:1	0.050	0.03	21.61	22.60	1.256	0.063	22.3
			Head Tes	st Data at	the worst c	ase with B			I		
Right cheek	20	QPSK 1RB_99	20850/2510	1:1	0.101	0.05	23.25	23.60	1.084	0.109	22.3
			Head Tes	st Data at	the worst c	ase with B	attery 3#		I	1	
Right cheek	20	QPSK 1RB_99	20850/2510	1:1	0.086	0.00	23.25	23.60	1.084	0.093	22.3
		_	Body v	worn Tes	t data(Sepa	rate 15mm	1RB)		I	1	
Front side	20	QPSK 1RB_99	20850/2510	1:1	0.363	-0.02	23.25	23.60	1.084	0.393	22.3
Back side	20	QPSK 1RB_99	20850/2510	1:1	0.366	-0.04	23.25	23.60	1.084	0.397	22.3
Back side	20	QPSK 1RB_99	21100/2535.5	1:1	0.298	-0.09	23.18	23.60	1.102	0.328	22.3
Back side	20	QPSK 1RB_99	21350/2560	1:1	0.214	-0.03	23.21	23.60	1.094	0.234	22.3
					ata (Separa	L	l l				
Front side	20	QPSK 50RB_50		1:1	0.257	-0.01	21.61	22.60	1.256	0.323	22.3
Back side	20	QPSK 50RB_50		1:1	0.258	-0.02	21.61	22.60	1.256	0.324	22.3
			Body worn T		l .						
Back side	20	QPSK 1RB_99	20850/2510	1:1	0.260	-0.18	23.25	23.60	1.084	0.282	22.3
			Body worn								
Back side	20	QPSK 1RB_99	20850/2510	1:1	0.270	-0.04	23.25	23.60	1.084	0.293	22.3
					data(Separa						
Front side	20	QPSK 1RB_99	20850/2510	1:1	0.262	-0.08	19.18	19.60	1.102	0.289	22.3
Back side	20	QPSK 1RB_99	20850/2510	1:1	0.281	-0.03	19.18	19.60	1.102	0.310	22.3
Left side	20	QPSK 1RB_99	20850/2510	1:1	0.089	-0.12	19.18	19.60	1.102	0.098	22.3
Right side	20	QPSK 1RB_99	20850/2510	1:1	0.064	-0.07	19.18	19.60	1.102	0.070	22.3
Bottom side	20	QPSK 1RB_99		1:1	0.489	-0.02	19.18	19.60	1.102	0.539	22.3
Bottom side		QPSK 1RB_99		1:1	0.485	0.16	19.15	19.60	1.109	0.538	22.3
Bottom side	20	QPSK 1RB_99		1:1	0.425	-0.06	19.17	19.60	1.104	0.469	22.3
					ta (Separate	L	l l				
Front side	20	QPSK 50RB_50		1:1	0.266	-0.07	19.09	19.60	1.125	0.299	22.3
Back side		QPSK 50RB_50	1	1:1	0.279	-0.09	19.09	19.60	1.125	0.314	22.3
Left side		QPSK 50RB_50		1:1	0.091	-0.07	19.09	19.60	1.125	0.102	22.3
Right side		QPSK 50RB_50		1:1	0.064	-0.06	19.09	19.60	1.125	0.072	22.3
Bottom side		QPSK 50RB_50		1:1	0.479	0.00	19.09	19.60	1.125	0.539	22.3
		_ = ===			at the worst						
Bottom side	20	QPSK 1RB_99	20850/2510	1:1	0.459	-0.01	19.18	19.60	1.102	0.506	22.3
					at the worst					2.500	
Bottom side	20	QPSK 1RB_99		1:1	0.414	-0.08	19.18	19.60	1.102	0.456	22.3

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				A	nt2 Test da	ta					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liqui Temp
				Head	d Test data(
Left cheek	20	QPSK 1RB_99	20850/2510	1:1	0.375	-0.14	15.57	16.10	1.130	0.424	22.3
Left tilted	20	QPSK 1RB_99	20850/2510	1:1	0.394	-0.03	15.57	16.10	1.130	0.445	22.3
Right cheek	20	QPSK 1RB_99	21350/2560	1:1	0.441	-0.01	12.09	12.60	1.125	0.496	22.3
Right tilted	20	QPSK 1RB_99	21350/2560	1:1	0.395	0.03	12.09	12.60	1.125	0.444	22.3
				Head ¹	Test data(50)%RB)			26		
Left cheek	20	QPSK 50RB_50	20850/2510	1:1	0.366	-0.03	15.53	16.10	1.140	0.417	22.3
Left tilted	20	QPSK 50RB_50	20850/2510	1:1	0.391	0.02	15.53	16.10	1.140	0.446	22.3
Right cheek		 QPSK 50RB_50		1:1	0.443	0.07	12.01	12.60	1.146	0.507	22.3
Right tilted		 QPSK 50RB_50		1:1	0.389	0.03	12.01	12.60	1.146	0.446	22.3
Right cheek		QPSK 50RB_50		1:1	0.375	0.02	11.94	12.60	1.164	0.437	22.3
Right cheek	20	QPSK 50RB_50		1:1	0.405	0.11	11.99	12.60	1.151	0.466	22.3
					the worst c	<u> </u>					
Right cheek	20	QPSK 50RB_50		1:1	0.354	0.12	12.01	12.60	1.146	0.406	22.3
rtigrit criccit	20	QT OIT SOITB_SO			the worst c			12.00	1.140	0.400	22.0
Right cheek	20	QPSK 50RB_50		1:1	0.396	0.19	12.01	12.60	1.146	0.454	22.3
rtigrit criccit	20	QI OIT JOITB_JO			data(Sepa			12.00	1.140	0.404	22.0
Front side	20	QPSK 1RB_99	21100/2535.5	1:1	0.126	-0.07	19.93	20.10	1.040	0.131	22.3
Back side	20	QPSK 1RB_99	21100/2535.5	1:1	0.120	0.06	19.93	20.10	1.040	0.131	22.3
Back side	20	QPSK 1RB_99	20850/2510	1:1	0.192	0.03	19.93	20.10	1.045	0.200	22.3
Back side	20	QPSK 1RB_99	21350/2560	1:1	0.155	0.03	19.89	20.10	1.050	0.163	22.3
Dack Side	20	QFSK IKB_99			ata (Separa	l		20.10	1.050	0.103	22.3
Front side	20	QPSK 50RB_50		1:1	0.110	-0.09	19.89	20.10	1.050	0.115	22.2
				1:1	0.110	0.07	19.89	20.10		0.115	22.3
Back side	20	QPSK 50RB_50				l		20.10	1.050	0.200	22.3
Daali aida	20	ODCK ADD OO	Body worn T					20.40	4.040	0.400	T 00 0
Back side	20	QPSK 1RB_99		1:1	0.186	-0.07	19.93	20.10	1.040	0.193	22.3
Deal St.	00	ODOK 4 DD 00	Body worn				1	00.40	4.040	0.470	T 00 0
Back side	20	QPSK 1RB_99		1:1	0.171	-0.04	19.93	20.10	1.040	0.178	22.3
Facility and a late	00	ODOK 4DD 00			ata (Separa			40.00	4.007	0.000	T 00 0
Front side	20	QPSK 1RB_99	20850/2510	1:1	0.266	-0.07	18.57	18.60	1.007	0.268	22.3
Back side	20	QPSK 1RB_99	20850/2510	1:1	0.332	-0.04	18.57	18.60	1.007	0.334	22.3
Left side	20	QPSK 1RB_99	20850/2510	1:1	0.176	-0.09	18.57	18.60	1.007	0.177	22.3
Right side	20	QPSK 1RB_99	20850/2510	1:1	0.026	-0.02	18.57	18.60	1.007	0.026	22.3
Top side	20	QPSK 1RB_99	20850/2510	1:1	0.416	-0.03	18.57	18.60	1.007	0.419	22.3
Top side	20	QPSK 1RB_99		1:1	0.442	-0.06	18.54	18.60	1.014	0.448	22.3
Top side	20	QPSK 1RB_99	21350/2560	1:1	0.363	-0.02	18.48	18.60	1.028	0.373	22.3
				t Test dat		e 10mm 50			44		b
Front side		QPSK 50RB_50		1:1	0.262	-0.09	18.43	18.60	1.040	0.272	22.3
Back side		QPSK 50RB_50		1:1	0.230	-0.04	18.43	18.60	1.040	0.239	22.3
Left side	-	QPSK 50RB_50		1:1	0.173	-0.02	18.43	18.60	1.040	0.180	22.3
Right side		QPSK 50RB_50		1:1	0.026	-0.05	18.43	18.60	1.040	0.027	22.3
Top side	20	QPSK 50RB_50		1:1	0.398	-0.16	18.43	18.60	1.040	0.414	22.3
			Hotspot Te		at the worst	case with I	Battery 2#				
Top side	20	QPSK 1RB_99	21100/2535.5	1:1	0.463	-0.06	18.54	18.60	1.014	0.469	22.3
			Hotspot Te	est Data a	at the worst	case with I	Battery 3#				
Top side	20	QPSK 1RB_99	21100/2535.5	1:1	0.432	-0.03	18.54	18.60	1.014	0.438	22.3

Table 44: SAR of LTE Band 7 for Head and Body (Original report E5/2018/C0055).

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				Δn	nt1 Test data	a					
- , ,,,			Test	Duty	SAR	Power	Conducted	Tune up	Scaled	Scaled	Liquid
Test position	BW.	Test mode	Ch./Freq.	Cycle	(W/kg)1-g	Drift(dB)	power(dBm)	Limit(dBm)	factor	SAR(W/kg)	Temp.
			Head	Test data	a at the wors	st case (1F	RB)				
Right cheek	20	QPSK 1RB_99	20850/2510	1:1	0.067	0.01	21.98	22.60	1.153	0.077	22.3
		Вс	dy worn Test o	data at th	e worst cas	e (Separat	e 15mm 1RB)				
Back side	20	QPSK 1RB_99	20850/2510	1:1	0.208	-0.01	21.98	22.60	1.153	0.240	22.3
		F	lotspot Test da	ta at the	worst case	(Separate	10mm 1RB)				
Bottom side	20	QPSK 1RB_99	20850/2510	1:1	0.337	-0.03	17.22	18.60	1.374	0.463	22.3
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)10-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor		Liquid Temp.
		I	Product specific	10g SA	R Test data	with sens	or on (1RB)				
Bottom side-0mm	20	QPSK 1RB_50	21100/2535.5	1:1	0.579	-0.12	19.21	19.60	1.094	0.633	22.3
Bottom side-4mm	20	QPSK 1RB_50	21100/2535.5	1:1	0.973	0.00	20.74	21.60	1.219	1.186	22.3
Bottom side-4mm	20	QPSK 1RB_50	20850/2510	1:1	0.857	-0.07	20.55	21.60	1.274	1.091	22.3
Bottom side-4mm	20	QPSK 1RB_50	21350/2560	1:1	0.824	0.06	20.24	21.60	1.368	1.127	22.3
		Pr	oduct specific	10g SAR	Test data v	vith senso	on (50%RB)				
Bottom side-0mm	20	QPSK 50RB_0	21350/2560	1:1	0.491	-0.07	19.31	19.60	1.069	0.525	22.3
Bottom side-4mm	20	QPSK 50RB_0	20850/2510	1:1	0.809	-0.12	20.67	21.60	1.239	1.002	22.3
		Product	specific 10g S/	AR Test	data with se	nsor off (S	eparate 9mm	1RB)			
Bottom side	20	QPSK 1RB_50	20850/2510	1:1	0.562	-0.01	21.98	22.60	1.153	0.648	22.3
Bottom side	20	QPSK 1RB_50	21100/2535.5	1:1	0.576	-0.05	21.78	22.60	1.208	0.696	22.3
Bottom side	20	QPSK 1RB_50	21350/2560	1:1	0.578	0.11	21.64	22.60	1.247	0.721	22.3
		Product s	pecific 10g SAF	R Test da	ata with sen	sor off (Se	parate 9mm 5	0%RB)			
Bottom side	20	QPSK 50RB_0	20850/2510	1:1	0.438	-0.08	20.75	21.60	1.216	0.533	22.3
		Produ	ct specific 10g	SAR Tes	t Data at the	e worst ca	se with Battery	/ 2#			
Bottom side-4mm	20	QPSK 1RB_50		1:1	0.967	-0.05	20.74	21.60	1.219	1.179	22.3
		Produ	ct specific 10g	SAR Tes	t Data at the	e worst ca	se with Battery	/ 3#			
Bottom side-4mm	20	QPSK 1RB_50	21100/2535.5	1:1	0.940	0.05	20.74	21.60	1.219	1.146	22.3
					t2 Test dat						
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor		Liquid Temp.
			Head Te		at the worst						
Right cheek	20	QPSK 50RB_50	21350/2560	1:1	0.361	-0.09	11.22	11.60	1.091	0.394	22.3
		Вс	ody worn Test of	data at th	ne worst cas	e (Separat	e 15mm 1RB)				
Back side	20	QPSK 1RB_99	21100/2535.5	1:1	0.213	-0.06	18.53	19.10	1.140	0.243	22.3
		<u> </u>	Hotspot Tes	t Data a	t the worst c	ase with B	attery 2#				
Top side	20	QPSK 1RB_99	21100/2535.5	1:1	0.185	-0.06	16.91	17.60	1.172	0.217	22.3

Table 45: SAR of LTE Band 7 for Head, Body and Limb(Original report E5/2018/C0055).

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

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				Ant	1 Test data						
Test position	BW.	Test mode	Test	Duty	SAR		Conducted				Liquid
-			Ch./Freq.		at the worst		power(dBm)	Limit(abin)	ractor	SAK(W/Kg) i emp
Right cheek	20	QPSK 1RB 99	20850/2510	1:1	0.076	-0.04	21.98	22.60	1.153	0.088	22.3
Night Greek		PCC QPSK 1RB 99		1:1	0.070	-0.04	21.90	22.00	1.100	0.000	22.0
Right cheek	20	SCC QPSK 1RB_0			0.072	0.08	21.64	22.60	1.247	0.089	22.3
	20	SCC QFSK TKB_0			l t the worst ca	noo with S	IMO				
Pight shook	20	QPSK 1RB_99	20850/2510	1:1	0.0621	-0.13	21.98	22.60	1.153	0.072	22.2
Right cheek	20		worn Test da		l		l .	22.00	1.153	0.072	22.3
Dook oide	20		<u></u>			<u> </u>		22.60	1 152	0.426	22.2
Back side	20	QPSK 1RB_99 PCC QPSK 1RB 99	20850/2510	1:1	0.378	-0.05	21.98	22.60	1.153	0.436	22.3
Back side		_		1:1	0.357	-0.08	21.64	22.60	1.247	0.445	22.3
	20	SCC QPSK 1RB_0	l				01140				
5		0001/400 00	Body worn To		1			00.00	4.50	0.400	00.0
Back side	20	QPSK 1RB_99	20850/2510	1:1	0.373	0.11	21.98	22.60	1.153	0.430	22.3
			spot Test data		`		·		1		
Bottom side	20	QPSK 1RB_99	20850/2510	1:1	0.548	0.04	17.22	18.60	1.374	0.753	22.3
Bottom side		PCC QPSK 1RB_99		1:1	0.545	0.14	17.82	18.60	1.197	0.652	22.3
	20	SCC QPSK 1RB_0		1:1							
		_			at the worst		1		1		
Bottom side	20	QPSK 1RB_99	20850/2510	1:1	0.526	0.03	17.22	18.60	1.374	0.723	22.3
Test position	BW.	Test mode	Test Ch./Freq.	Duty	SAR		Conducted		Scaled		Liquid
-		Product	specific 10g S				power(dBm)		Tactor	SAK(W/Kg) remp
Bottom side-0mm	20	1	21100/2535.5		0.597	-0.02	19.21	19.60	1.094	0.653	22.3
Bottom side-4mm	20		21100/2535.5	1:1	1.100	0.16	20.74	21.60	1.219	1.341	22.3
Bottom side-4mm	20	QPSK 1RB_50	20850/2510	1:1	1.040	-0.07	20.74	21.60	1.274	1.324	22.3
Bottom side-4mm	20	QPSK 1RB_50	21350/2560	1:1	1.040	-0.07	20.33	21.60	1.368	1.463	
Bottom side-4mm		_			1.070	-0.05	20.24	21.00	1.300	1.403	22.3
Bottom side-4mm	20	PCC QPSK 1RB_0	21350/2560	1:1	1.040	0.19	20.51	21.60	1.285	1.337	22.3
	20	SCC QPSK 1RB_99		1:1	4 Data with a		(FODD 0 -#-	-4\			
Dattam side Omen	20		specific 10g S				ì		4 407	0.504	20.0
Bottom side-0mm	20	QPSK 50RB_0	21350/2560	1:1	0.515	-0.17	19.08	19.60	1.127	0.581	22.3
Bottom side-4mm	20	QPSK 50RB_0	20850/2510	1:1	0.850	-0.11	20.67	21.60	1.239	1.053	22.3
D " ' ' '	-		specific 10g S			·			4 000	4.405	00.0
Bottom side	20	QPSK 1RB_100	20850/2510	1:1	0.928	0.12	20.5	21.60	1.288	1.195	22.3
		Product specific									
Bottom side	20	QPSK 1RB_50	20850/2510	1:1	0.591	-0.02	21.98	22.60	1.153	0.682	22.3
5		Product specific			ı		1				
Bottom side	20	QPSK 50RB_0	20850/2510	1:1	0.460	-0.08	20.75	21.60	1.216	0.559	22.3
			ct specific 10g								1
Bottom side-4mm	20	QPSK 1RB_50	21350/2560	1:1	1.060	0.07	20.24	21.60	1.368	1.450	22.3
			specific 10g S/								
Bottom side-4mm	20	QPSK 1RB_50	21350/2560	1:1	1.020	-0.05	20.24	21.60	1.368	1.395	22.3
			specific 10g S/								
Bottom side-4mm	20	QPSK 1RB_50	21350/2560	1:1	0.989	0.05	20.24	21.60	1.368	1.353	22.3
		I			2 Test data			_			
Test position	BW.	Test mode	Test Ch./Freq.	Duty	SAR (W/kg)1-g		Conducted power(dBm)				Liquid
					t the worst ca			(uDill)	ractor	OAIN(W/NY)	лтеттр
Right cheek	20	QPSK 50RB_50	21350/2560	1:1	0.278	-0.05	11.22	11.60	1.091	0.303	22.3
	20	PCC QPSK 1RB_0	21350/2560	1:1		3.50					
Right cheek		SCC QPSK 1RB_99		1:1	0.298	0.07	10.96	11.60	1.159	0.345	22.3
		CCC Q. CR TRD_00				1	l		1		1
			Head Test	Data a	t the worst ca	ase with S	IM2				

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		Bod	y worn Test dat	a at the	e worst case	(Separate	15mm 1RB)					
Back side	20	QPSK 1RB_99	21100/2535.5	1:1	0.174	0.02	18.53	19.10	1.140	0.198	22.3	
Back side	20	PCC QPSK 1RB_0	21100/2535.5	1:1	0.128	-0.09	18.47	19.10	1.156	0.148	22.3	
back side	20	SCC QPSK 1RB_99	20902/2515.2	1:1	0.128	-0.09	10.47	19.10	1.156	0.146	22.3	
	Body worn Test Data at the worst case with SIM2											
Back side	20	QPSK 1RB_99	21100/2535.5	1:1	0.166	-0.02	18.53	19.10	1.140	0.189	22.3	
			Hotspot Tes	st Data	at the worst	case with	SIM2					
Top side	20	QPSK 1RB_99	21100/2535.5	1:1	0.432	-0.03	16.91	17.60	1.172	0.506	22.3	
			Hotspot Test [Data at	the worst cas	se with Ba	attery 2#					
Top side	20	QPSK 1RB_99	21100/2535.5	1:1	0.447	0.09	16.91	17.60	1.172	0.524	22.3	
Tanaida	20 PCC QPSK 1RB	PCC QPSK 1RB_0	21100/2535.5	1:1	0.277	0.00	17.01	17.6	1.146	0.422	22.3	
Top side	20	SCC QPSK 1RB_99	20902/2515.2	1:1	0.377	-0.02	17.01	17.0	1.146	0.432	22.3	

Table 46: SAR of LTE Band 7 for Head, Body and Limb(Variant)

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B
- 2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg (2.0 W/kg for 10g) then testing at the other channels is not required for such test configuration(s).

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8.3.10 SAR Result of LTE Band 12

			_		Ant1 Test d						
Test position	BW.	Test mode	Test Ch./Freq.	Duty		Power	Conducted power(dBm)	Tune up	Scaled	Scaled	Liquid
			Cii./Fieq.		d Test data		power(ubili)	Lillin(GBIII)	Tactor	SAN(W/Ng)	Tremp
Left cheek	10	QPSK 1RB_49	23060/704	1:1	0.115	0.07	23.66	24.00	1.081	0.124	22.1
Left tilted	10	QPSK 1RB_49	23060/704	1:1	0.076	-0.16	23.66	24.00	1.081	0.082	22.1
Right cheek	10	QPSK 1RB_49	23060/704	1:1	0.147	-0.17	23.66	24.00	1.081	0.159	22.1
Right tilted	10	QPSK 1RB_49	23060/704	1:1	0.068	0.03	23.66	24.00	1.081	0.074	22.1
Right cheek	10	QPSK 1RB_49	23095/707.5	1:1	0.159	0.07	23.62	24.00	1.091	0.174	22.1
Right cheek	10	QPSK 1RB_49	23130/711	1:1	0.158	0.11	23.62	24.00	1.091	0.172	22.1
				Head	Test data(50%RB)			1 2		
Left cheek	10	QPSK 25RB_0	23060/704	1:1	0.097	-0.06	22.51	23.00	1.119	0.108	22.1
Left tilted	10	QPSK 25RB_0	23060/704	1:1	0.062	-0.09	22.51	23.00	1.119	0.069	22.1
Right cheek	10	QPSK 25RB_0	23060/704	1:1	0.114	-0.03	22.51	23.00	1.119	0.128	22.1
Right tilted	10	QPSK 25RB_0	23060/704	1:1	0.051	-0.06	22.51	23.00	1.119	0.057	22.1
_		•	Head Test	Data a	t the worst	case with I	Battery 2#	•	•		
Right cheek	10	QPSK 1RB_49	23095/707.5	1:1	0.147	0.03	23.62	24.00	1.091	0.160	22.1
			Head Test	Data a	t the worst	case with I	Battery 3#	•	•		
Right cheek	10	QPSK 1RB_49	23095/707.5	1:1	0.148	0.17	23.62	24.00	1.091	0.162	22.1
			Body we	orn Tes	st data(Sepa	arate 15mr	m 1RB)	•			
Front side	10	QPSK 1RB_49	23060/704	1:1	0.242	-0.17	23.66	24.00	1.081	0.262	22.1
Back side	10	QPSK 1RB_49	23060/704	1:1	0.249	-0.04	23.66	24.00	1.081	0.269	22.1
Back side	10	QPSK 1RB_49	23095/707.5	1:1	0.256	0.16	23.62	24.00	1.091	0.279	22.1
Back side	10	QPSK 1RB_49	23130/711	1:1	0.257	0.16	23.62	24.00	1.091	0.281	22.1
		•	Body worr	n Test	data (Separ	ate 15mm	50%RB)				
Front side	10	QPSK 25RB_0	23060/704	1:1	0.201	0.05	22.51	23.00	1.119	0.225	22.1
Back side	10	QPSK 25RB_0	23060/704	1:1	0.210	0.08	22.51	23.00	1.119	0.235	22.1
		•	Body worn	Data a	at the worst	case with I	Battery 2#				
Back side	10	QPSK 1RB_49	23130/711	1:1	0.247	-0.05	23.62	24.00	1.091	0.270	22.1
		•	Body worn	Data a	at the worst	case with I	Battery 3#		•		
Back side	10	QPSK 1RB_49	23130/711	1:1	0.240	-0.01	23.62	24.00	1.091	0.262	22.1
		•	Hotspo	ot Test	data(Separa	ate 10mm	1RB)	•	•		
Front side	10	QPSK 1RB_49	23060/704	1:1	0.310	-0.04	23.66	24.00	1.081	0.335	22.1
Back side	10	QPSK 1RB_49	23060/704	1:1	0.345	-0.08	23.66	24.00	1.081	0.373	22.1
Left side	10	QPSK 1RB_49	23060/704	1:1	0.099	-0.11	23.66	24.00	1.081	0.107	22.1
Right side	10	QPSK 1RB_49	23060/704	1:1	0.268	-0.09	23.66	24.00	1.081	0.290	22.1
Bottom side	10	QPSK 1RB_49	23060/704	1:1	0.205	-0.09	23.66	24.00	1.081	0.222	22.1
Back side	10	QPSK 1RB_49	23095/707.5	1:1	0.344	0.05	23.62	24.00	1.091	0.375	22.1
Back side	10	QPSK 1RB_49	23130/711	1:1	0.329	-0.10	23.62	24.00	1.091	0.359	22.1
		•	Hotspot 1	Test da	ata (Separat	e 10mm 5	0%RB)				
Front side	10	QPSK 25RB_0	23060/704	1:1	0.266	0.04	22.51	23.00	1.119	0.298	22.1
Back side	10	QPSK 25RB_0	23060/704	1:1	0.295	-0.02	22.51	23.00	1.119	0.330	22.1
Left side	10	QPSK 25RB_0	23060/704	1:1	0.086	-0.03	22.51	23.00	1.119	0.096	22.1
Right side	10	QPSK 25RB_0	23060/704	1:1	0.220	-0.01	22.51	23.00	1.119	0.246	22.1
Bottom side	10	QPSK 25RB_0	23060/704	1:1	0.174	-0.06	22.51	23.00	1.119	0.195	22.1
	1		Hotspot Tes				l	l	1	1	
Back side	10	QPSK 1RB_49	23095/707.5		0.332	-0.01	23.62	24.00	1.091	0.362	22.1
	1		Hotspot Tes				l .				
Back side	10	QPSK 1RB_49			0.317	-0.02	23.62	24.00	1.091	0.346	22.1

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				Δ	nt2 Test d	lata					
Test position	BW.	Test mode	Test Ch./Freq.	Duty	SAR	Power	Conducted power(dBm)	Tune up	Scaled factor	Scaled SAR(W/kg)	Liquid
				Hea	d Test data	a(1RB)					
Left cheek	10	QPSK 1RB_49	23130/711	1:1	0.842	0.00	21.97	22.40	1.104	0.930	22.1
Left tilted	10	QPSK 1RB_49	23130/711	1:1	0.683	0.03	21.97	22.40	1.104	0.754	22.1
Right cheek	10	QPSK 1RB_49	23130/711	1:1	0.699	0.08	21.40	22.00	1.148	0.803	22.1
Right tilted	10	QPSK 1RB_49	23130/711	1:1	0.736	-0.02	21.40	22.00	1.148	0.845	22.1
Left cheek	10	QPSK 1RB_49	23060/704	1:1	0.808	0.05	21.72	22.40	1.169	0.945	22.1
Left cheek	10	QPSK 1RB_49	23095/707.5	1:1	0.862	0.01	21.85	22.40	1.135	0.978	22.1
Right cheek	10	QPSK 1RB_49	23060/704	1:1	0.709	0.10	21.17	22.00	1.211	0.858	22.1
Right cheek	10	QPSK 1RB_49	23095/707.5	1:1	0.659	0.09	21.31	22.00	1.172	0.772	22.1
Right tilted	10	QPSK 1RB_49	23060/704	1:1	0.700	0.05	21.17	22.00	1.211	0.847	22.1
Right tilted	10	QPSK 1RB_49	23095/707.5	1:1	0.749	0.00	21.31	22.00	1.172	0.878	22.1
	•				Head Test	data(50%	RB)				•
Left cheek	10	QPSK 25RB_0	23060/704	1:1	0.757	0.03	21.86	22.40	1.132	0.857	22.1
Left tilted	10	QPSK 25RB_0	23060/704	1:1	0.662	0.03	21.86	22.40	1.132	0.750	22.1
Right cheek	10	QPSK 25RB_0	23130/711	1:1	0.689	-0.04	21.33	22.00	1.167	0.804	22.1
Right tilted	10	QPSK 25RB_0	23130/711	1:1	0.687	0.19	21.33	22.00	1.167	0.802	22.1
Left cheek	10	QPSK 25RB_0	23095/707.5	1:1	0.810	0.06	21.72	22.40	1.169	0.947	22.1
Left cheek	10	QPSK 25RB_0	23130/711	1:1	0.841	0.03	21.76	22.40	1.159	0.975	22.1
Right cheek	10	QPSK 25RB_0	23060/704	1:1	0.549	0.01	21.31	22.00	1.172	0.644	22.1
Right cheek	10	QPSK 25RB_0	23095/707.5	1:1	0.613	-0.07	21.21	22.00	1.199	0.735	22.1
Right tilted	10	QPSK 25RB_0	23060/704	1:1	0.589	0.16	21.31	22.00	1.172	0.690	22.1
Right tilted	10	QPSK 25RB_0	23095/707.5	1:1	0.648	-0.01	21.21	22.00	1.199	0.777	22.1
			•		Head Test	data(100%	6RB)				
Left cheek	10	QPSK 100RB_0	23060/704	1:1	0.785	0.01	21.88	22.40	1.127	0.885	22.1
Right cheek	10	QPSK 100RB_0	23130/711	1:1	0.744	0.06	21.40	22.00	1.148	0.854	22.1
Right tilted	10	QPSK 100RB_0	23130/711	1:1	0.773	0.07	21.40	22.00	1.148	0.888	22.1
-			Head Test	Data a	t the worst	case with	Battery 2#				
Left cheek	10	QPSK 1RB_49	23095/707.5	1:1	0.878	0.04	21.85	22.40	1.135	0.997	22.1
			Head Test	Data at	t the worst	case with	Battery 3#	•			.1
Left cheek	10	QPSK 1RB_49	23095/707.5	1:1	0.907	-0.06	21.85	22.40	1.135	1.029	22.1
_eft cheek-repeat	10	QPSK 1RB_49	23095/707.5	1:1	0.891	0.04	21.85	22.40	1.135	1.011	22.1
			Body w	orn Tes	t data(Sep	arate 15mr	m 1RB)	•			•
Front side	10	QPSK 1RB_0	23130/711	1:1	0.215	-0.11	23.34	24.00	1.164	0.250	22.1
Back side	10	QPSK 1RB_0	23130/711	1:1	0.188	-0.04	23.34	24.00	1.164	0.219	22.1
Front side	10	QPSK 1RB_0	23060/704	1:1	0.159	-0.02	23.02	24.00	1.253	0.199	22.1
Front side	10	QPSK 1RB_0	23095/707.5	1:1	0.179	0.00	23.32	24.00	1.169	0.209	22.1
			Body wor	n Test d	lata (Sepai	rate 15mm	50%RB)				
Front side	10	QPSK 25RB_0	23130/711	1:1	0.166	0.00	22.32	23.00	1.169	0.194	22.1
Back side	10	QPSK 25RB_0	23130/711	1:1	0.144	0.08	22.32	23.00	1.169	0.168	22.1
			Body worn Te	est Data	at the wor	rst case wit	th Battery 2#				
Front side	10	QPSK 1RB_0	23130/711	1:1	0.194	-0.03	23.34	24.00	1.164	0.226	22.1
			Body worn Te	est Data	at the wor	rst case wit	th Battery 3#	•	•		-
Front side	10	QPSK 1RB_0	23130/711	1:1	0.207	0.06	23.34	24.00	1.164	0.241	22.1
			Hotspo	t Test	data(Sepa	rate 10mm	1RB)				
Front side	10	QPSK 1RB_0	23095/707.5		0.160	0.03	20.40	21.00	1.148	0.184	22.1
Back side	10	QPSK 1RB_0	23095/707.5		0.157	0.02	20.40	21.00	1.148	0.180	22.1
Left side	10	QPSK 1RB_0	23095/707.5		0.079	0.04	20.40	21.00	1.148	0.091	22.1
Right side	10	QPSK 1RB_0	23095/707.5		0.044	0.02	20.40	21.00	1.148	0.050	22.1

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Top side	10	QPSK 1RB_0	23095/707.5	1:1	0.114	-0.02	20.40	21.00	1.148	0.131	22.1		
Hotspot Test data (Separate 10mm 50%RB)													
Front side	10	QPSK 25RB_0	23060/704	1:1	0.173	-0.02	20.38	21.00	1.153	0.200	22.1		
Back side	10	QPSK 25RB_0	23060/704	1:1	0.146	0.01	20.38	21.00	1.153	0.168	22.1		
Left side	10	QPSK 25RB_0	23060/704	1:1	0.069	-0.02	20.38	21.00	1.153	0.079	22.1		
Right side	10	QPSK 25RB_0	23060/704	1:1	0.041	0.02	20.38	21.00	1.153	0.048	22.1		
Top side	10	QPSK 25RB_0	23060/704	1:1	0.108	0.01	20.38	21.00	1.153	0.125	22.1		
Front side	10	QPSK 25RB_0	23095/707.5	1:1	0.205	0.03	20.27	21.00	1.183	0.243	22.1		
Front side	10	QPSK 25RB_0	23130/711	1:1	0.219	0.06	20.25	21.00	1.189	0.260	22.1		
Hotspot Test Data at the worst case with Battery 2#													
Front side	10	QPSK 25RB_0	23130/711	1:1	0.216	0.04	20.25	21.00	1.189	0.257	22.1		
			Hotspot Tes	t Data	at the worst	case with	Battery 3#		6 1				
Front side	10	QPSK 25RB_0	23130/711	1:1	0.202	0.00	20.25	21.00	1.189	0.240	22.1		
		Ant2 A	Additional Tes	t data	(simultane	ous trans	mission with \	NIFI)					
Test position	BW.	Test mode	Test Ch./Freg.	Duty Cycle	SAR (W/kg)1-g	Power	Conducted power(dBm)		Scaled		Liquid		
			onin req.		d Test data		power(ubiii)	Ziiiii(aBiii)	laotoi	Orat (Wing)	remp.		
Left cheek	10	QPSK 1RB 49	23095/707.5	1:1	0.400	0.06	18.53	19.40	1.222	0.489	22.1		
Left tilted	10	QPSK 1RB_49	23095/707.5	1:1	0.340	0.08	18.53	19.40	1.222	0.415	22.1		
Right cheek	10	QPSK 1RB_49	23095/707.5	1:1	0.347	-0.03	18.00	19.00	1.259	0.437	22.1		
Right tilted	10	QPSK 1RB_49	23095/707.5	1:1	0.349	0.07	18.00	19.00	1.259	0.439	22.1		
J											1		

Table 47: SAR of LTE Band 12 for Head and Body(Original report E5/2018/C0055).

Ant1 Test data												
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)		Scaled factor		Liquid Temp.	
Head Test data at the worst case (1RB)												
Right cheek	10	QPSK 1RB_49	23095/707.5	1:1	0.117	-0.05	23.62	24.00	1.091	0.128	22.1	
Body worn Test data at the worst case (Separate 15mm 1RB)												
Back side	10	QPSK 1RB_49	23130/711	1:1	0.254	0.08	23.62	24.00	1.091	0.277	22.1	
Hotspot Test data at the worst case (Separate 10mm 1RB)												
Back side	10	QPSK 1RB_49	23095/707.5	1:1	0.344	-0.02	23.62	24.00	1.091	0.375	22.1	
Ant2 Test data												
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	•	Scaled factor		Liquid Temp.	
			Head Test	Data a	t the worst	case with	Battery 3#					
Left cheek	10	QPSK 1RB_49	23095/707.5	1:1	0.674	0.11	21.85	22.40	1.135	0.765	22.1	
		Boo	dy worn Test o	data at	the worst ca	ase (Sepa	rate 15mm 1RI	3)				
Front side	10	QPSK 1RB_0	23130/711	1:1	0.112	-0.03	23.34	24.00	1.164	0.130	22.1	
		Hots	spot Test data	a at the	worst case	(Separate	e 10mm 50%RI	3)				
Front side	10	QPSK 25RB 0	23130/711	1:1	0.152	0.04	20.25	21.00	1.189	0.181	22.1	

Table 48: SAR of LTE Band 12 for Head and Body(Original report E5/2018/C0055).

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Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor		Liquid
			Head T	est data	a at the wo	rst case (1	RB)				
Right cheek	10	QPSK 1RB_49	23095/707.5	1:1	0.179	-0.09	23.62	24.00	1.091	0.195	22.1
			Head Tes	t Data	at the wors	t case with	SIM2				
Right cheek	10	QPSK 1RB_49	23095/707.5	1:1	0.179	0.04	23.62	24.00	1.091	0.195	22.1
		Во	dy worn Test da	ata at th	ne worst ca	se (Separa	ate 15mm 1RE	3)			
Back side	10	QPSK 1RB_49	23130/711	1:1	0.272	-0.07	23.62	24.00	1.091	0.297	22.1
			Body worr	n Data	at the wors	t case with	SIM2				
Back side	10	QPSK 1RB_49	23130/711	1:1	0.265	-0.07	23.62	24.00	1.091	0.289	22.1
		Н	otspot Test data	a at the	worst case	e (Separate	e 10mm 1RB)				
Back side	10	QPSK 1RB_49	23095/707.5	1:1	0.340	0.00	23.62	24.00	1.091	0.371	22.1
			Hotspot Te	st Data	at the wor	st case wit	h SIM2				
Back side	10	QPSK 1RB_49	23095/707.5	1:1	0.335	-0.07	23.62	24.00	1.091	0.366	22.1
				Ar	nt2 Test da	ta					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor		Liquio Temp
			Head Test D	Data at	the worst c	ase with B	attery 3#				
Left cheek	10	QPSK 1RB_49	23095/707.5	1:1	0.764	0.05	21.85	22.40	1.135	0.867	22.1
			Head Tes	t Data	at the wors	t case with	SIM2				
Left cheek	10	QPSK 1RB_49	23095/707.5	1:1	0.713	0.1	21.85	22.40	1.135	0.809	22.1
		Во	dy worn Test da	ata at th	ne worst ca	se (Separa	ate 15mm 1RE	3)			
Front side	10	QPSK 1RB_0	23130/711	1:1	0.136	-0.03	23.34	24.00	1.164	0.158	22.1
			Body worn T	est Da	ta at the wo	orst case w	ith SIM2		10		
Front side	10	QPSK 1RB_0	23130/711	1:1	0.135	-0.07	23.34	24.00	1.164	0.157	22.1
		Hot	spot Test data	at the v	worst case	(Separate	10mm 50%RE	3)	44		
Front side	10	QPSK 25RB_0	23130/711	1:1	0.164	-0.08	20.25	21.00	1.189	0.195	22.1
			Hotspot Te	st Data	at the wor	st case wit	h SIM2			T	
		QPSK 25RB 0	23130/711	1:1	0.158	-0.02	20.25	21.00	1.189	0.188	22.1

Table 49: SAR of LTE Band 12 for Head and Body(Variant)

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B
- 2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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8.3.11 SAR Result of LTE Band 17

Ant1 Test data											
Test position	BW.	Test mode	Test	Duty	SAR	Power	Conducted			Scaled	Liqui
•			Ch./Freq.		Test data(1		power(dBm)	Limit(aBm)	Tactor	SAK(W/Kg) remp
Left cheek	10	QPSK 1RB_0	23780/709	1:1	0.123	0.01	23.66	24.00	1.081	0.133	22.1
Left tilted	10	QPSK 1RB_0	23780/709	1:1	0.073	0.16	23.66	24.00	1.081	0.079	22.1
Right cheek	10	QPSK 1RB_0	23780/709	1:1	0.149	0.05	23.66	24.00	1.081	0.161	22.1
Right tilted	10	QPSK 1RB_0	23780/709	1:1	0.068	0.16	23.66	24.00	1.081	0.074	22.1
Right cheek	10	QPSK 1RB_0	23790/710	1:1	0.142	0.13	23.54	24.00	1.112	0.158	22.1
Right cheek	10	QPSK 1RB_0	23800/711	1:1	0.141	0.01	23.56	24.00	1.107	0.156	22.1
					est data(50°				71		
Left cheek	10	QPSK 25RB_25	23780/709	1:1	0.100	-0.02	22.19	23.00	1.205	0.120	22.1
Left tilted	10	QPSK 25RB_25	23780/709	1:1	0.063	0.11	22.19	23.00	1.205	0.076	22.1
Right cheek	10	QPSK 25RB_25	23780/709	1:1	0.119	-0.02	22.19	23.00	1.205	0.143	22.1
Right tilted	10	QPSK 25RB_25	23780/709	1:1	0.057	-0.01	22.19	23.00	1.205	0.069	22.1
g.nou	1.0	Q. 0.1.20.12_20	Head Test D				l l		00	0.000	
Right cheek	10	QPSK 1RB_0	23780/709	1:1	0.143	0.03	23.66	24.00	1.081	0.155	22.1
g oo	1.0	Q. O	Head Test D							01.00	1 ==
Right cheek	10	QPSK 1RB_0	23780/709	1:1	0.148	0.03	23.66	24.00	1.081	0.160	22.1
right officer	1.0	QI OIL IIID_0			data(Separa			24.00	1.001	0.100	
Front side	10	QPSK 1RB_0	23780/709	1:1	0.240	-0.02	23.66	24.00	1.081	0.260	22.1
Back side	10	QPSK 1RB_0	23780/709	1:1	0.251	-0.08	23.66	24.00	1.081	0.271	22.1
Back side	10	QPSK 1RB_0	23790/710	1:1	0.250	-0.13	23.54	24.00	1.112	0.278	22.1
Back side	10	QPSK 1RB_0	23800/711	1:1	0.230	-0.13	23.56	24.00	1.107	0.273	22.1
Dack Side	10	QI SK IKB_0	Body worn				1	24.00	1.107	0.213	22.1
Front side	10	QPSK 25RB_25	23780/709	1:1	0.178	0.08	22.19	23.00	1.205	0.214	22.1
Back side	10	QPSK 25RB_25	23780/709	1:1	0.176	0.09	22.19	23.00	1.205	0.214	22.1
Dack side	10		ody worn Tes					20.00	1.200	0.224	22.1
Back side	10	QPSK 1RB_0	23790/710	1:1	0.241	-0.03	23.54	24.00	1.112	0.268	22.1
Dack Side	10		Body worn Tes	L	L			24.00	1.112	0.200	22.1
Back side	10	QPSK 1RB_0	23790/710	1:1	0.234	-0.07	23.54	24.00	1.112	0.260	22.1
Dack side	10	QI SK IKB_0	l		ta(Separate		l l	24.00	1.112	0.200	22.1
Front side	10	QPSK 1RB 0	23780/709	1:1	0.317	-0.12	23.66	24.00	1.081	0.343	22.1
Back side	10	QPSK 1RB_0	23780/709	1:1	0.350	-0.12	23.66	24.00	1.081	0.379	22.1
Left side	10	QPSK 1RB_0	23780/709	1:1	0.330	-0.08	23.66	24.00	1.081	0.379	22.1
Right side	10	QPSK 1RB_0	23780/709	1:1	0.102	-0.05	23.66	24.00	1.081	0.110	22.1
	-				ļ					0.276	+
Bottom side	10	QPSK 1RB_0 QPSK 1RB_0	23780/709 23790/710	1:1	0.208 0.347	-0.07	23.66 23.54	24.00	1.081	0.225	22.1
Back side				1:1	1	-0.09	 				
Back side	10	QPSK 1RB_0	23800/711	1:1	0.336	-0.19	23.56	24.00	1.107	0.372	22.1
Essal state	140	000000000000			(Separate		· ·	00.00	14.005	0.070	T 00 4
Front side	10	QPSK 25RB_25	23780/709	1:1	0.231	0.03	22.19	23.00	1.205	0.278	22.1
Back side	10	QPSK 25RB_25	23780/709	1:1	0.256	0.10	22.19	23.00	1.205	0.308	22.1
Left side	10	QPSK 25RB_25	23780/709	1:1	0.072	0.04	22.19	23.00	1.205	0.087	22.1
Right side	10	QPSK 25RB_25	23780/709	1:1	0.195	0.03	22.19	23.00	1.205	0.235	22.1
Bottom side	10	QPSK 25RB_25	23780/709	1:1	0.152	-0.04	22.19	23.00	1.205	0.183	22.1
	1		Hotspot Test				· ·		1		_
Back side	10	QPSK 1RB_0	23790/710	1:1	0.320	-0.01	23.54	24.00	1.112	0.356	22.1
	1		Hotspot Test						1		
Back side	10	QPSK 1RB_0	23790/710	1:1	0.324	-0.02	23.54	24.00	1.112	0.360	22.1

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				An	t2 Test data	3					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm	Scaled) factor		Liqui Temp
				Head	Test data(1	RB)					
Left cheek	10	QPSK 1RB_49	23800/711	1:1	0.802	0.00	21.87	22.30	1.104	0.885	22.1
Left tilted	10	QPSK 1RB_49	23800/712	1:1	0.780	-0.13	21.87	22.30	1.104	0.861	22.1
Right cheek	10	QPSK 1RB_49	23800/711	1:1	0.604	-0.01	20.77	21.50	1.183	0.715	22.1
Right tilted	10	QPSK 1RB_49	23800/711	1:1	0.683	0.04	20.77	21.50	1.183	0.808	22.1
Left cheek	10	QPSK 1RB_49	23780/709	1:1	0.823	0.00	21.69	22.30	1.151	0.947	22.1
Left cheek	10	QPSK 1RB_49	23790/710	1:1	0.828	0.04	21.66	22.30	1.159	0.959	22.1
Left tilted	10	QPSK 1RB_49	23780/709	1:1	0.732	0.12	21.69	22.30	1.151	0.842	22.1
Left tilted	10	QPSK 1RB_49	23790/710	1:1	0.738	0.04	21.66	22.30	1.159	0.855	22.1
Right tilted	10	QPSK 1RB_49	23780/709	1:1	0.676	0.11	20.75	21.50	1.189	0.803	22.1
Right tilted	10	QPSK 1RB_49	23790/710	1:1	0.682	0.06	20.54	21.50	1.247	0.851	22.1
-				Н	ead Test da	ta(50%RE	3)				
Left cheek	10	QPSK 25RB_13	23790/710	1:1	0.834	0.08	21.76	22.30	1.132	0.944	22.1
Left tilted	10	QPSK 25RB_13	23790/710	1:1	0.707	0.06	21.76	22.30	1.132	0.801	22.1
Right cheek	10	QPSK 25RB_0	23780/709	1:1	0.526	0.02	20.73	21.50	1.194	0.628	22.1
Right tilted	10	QPSK 25RB_0	23780/709	1:1	0.627	-0.04	20.73	21.50	1.194	0.749	22.1
Left cheek	10	QPSK 25RB_13	23780/709	1:1	0.829	0.00	21.69	22.30	1.151	0.954	22.1
Left cheek	10	QPSK 25RB_13	23800/711	1:1	0.839	0.05	21.66	22.30	1.159	0.972	22.1
Left tilted	10	QPSK 25RB 13	23780/709	1:1	0.668	-0.01	21.69	22.30	1.151	0.769	22.1
Left tilted	10	QPSK 25RB_13	23800/711	1:1	0.692	0.02	21.66	22.30	1.159	0.802	22.1
		<u> </u>		Н	ead Test da	ta(100%R					
Left cheek	10	QPSK 100RB_0	23790/710	1:1	0.846	0.07	21.74	22.30	1.138	0.962	22.1
Left tilted	10	QPSK 100RB_0	23790/710	1:1	0.732	0.04	21.74	22.30	1.138	0.833	22.1
Right tilted	10	QPSK 100RB_0	23800/711	1:1	0.679	0.12	20.72	21.50	1.197	0.813	22.1
•	Į		Head Test D	Data at t	he worst ca	se with Ba	ittery 2#				
Left cheek	10	QPSK 25RB_13	23800/711	1:1	0.845	0.01	21.66	22.30	1.159	0.979	22.1
	.l		Head Test D	Data at t	he worst ca		ittery 3#				
Left cheek	10	QPSK 25RB_13	23800/711	1:1	0.855	0.13	21.66	22.30	1.159	0.991	22.1
_eft cheek-repeat	10	QPSK 25RB 13	23800/711	1:1	0.824	0.07	21.66	22.30	1.159	0.955	22.1
				rn Test o	data(Separa	ite 15mm	1				
Front side	10	QPSK 1RB_25	23790/710	1:1	0.199	-0.05	23.45	24.00	1.135	0.226	22.1
Back side	10	QPSK 1RB_25	23790/710	1:1	0.174	-0.01	23.45	24.00	1.135	0.197	22.1
Front side	10	QPSK 1RB_25	23780/709	1:1	0.190	-0.01	23.20	24.00	1.202	0.228	22.1
Front side	10	QPSK 1RB_25	23800/711	1:1	0.198	0.01	23.18	24.00	1.208	0.239	22.1
			Body worn	l	1		1			\	
Front side	10	QPSK 25RB_25	23790/710	1:1	0.159	0.04	21.93	23.00	1.279	0.203	22.1
Back side	10	QPSK 25RB_25	23790/710	1:1	0.139	0.08	21.93	23.00	1.279	0.178	22.1
Duein Grae			ody worn Tes	L		l		20.00	1.2.0	00	
Front side	10	QPSK 1RB_25	23800/711	1:1	0.197	0.00	23.18	24.00	1.208	0.238	22.1
T TOTAL OLGO	1 .0		Body worn Tes					21.00	1.200	0.200	1
Front side	10	QPSK 1RB_25	23800/711	1:1	0.142	-0.11	23.18	24.00	1.208	0.172	22.
T TOTAL SIGE	10	QI OK IND_20			ata(Separate			24.00	1.200	0.172	
Front side	10	QPSK 1RB_0	23800/711	1:1	0.173	0.03	20.38	21.00	1.153	0.200	22.
Back side	10	QPSK 1RB_0	23800/711	1:1	0.173	0.03	20.38	21.00	1.153	0.200	22.
Left side	10	QPSK 1RB_0	23800/711	1:1	0.167	0.03	20.38	21.00	1.153	0.193	22.
	+						+		+		-
Right side	10	QPSK 1RB_0 QPSK 1RB_0	23800/711 23800/711	1:1	0.012 0.125	0.02	20.38	21.00 21.00	1.153 1.153	0.014	22.

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	ı		Hotspot T	est data	(Separate	10mm 50%	%RB)				
Front side	10	QPSK 25RB_0	23800/711	1:1	0.189	0.01	20.24	21.00	1.191	0.225	22.1
Back side	10	QPSK 25RB_0	23800/711	1:1	0.183	0.03	20.24	21.00	1.191	0.218	22.1
Left side	10	QPSK 25RB_0	23800/711	1:1	0.068	0.08	20.24	21.00	1.191	0.080	22.1
Right side	10	QPSK 25RB_0	23800/711	1:1	0.013	-0.10	20.24	21.00	1.191	0.015	22.1
Top side	10	QPSK 25RB_0	23800/711	1:1	0.135	0.04	20.24	21.00	1.191	0.161	22.1
Front side	10	QPSK 25RB_0	23780/709	1:1	0.236	0.03	20.16	21.00	1.213	0.286	22.1
Front side	10	QPSK 25RB_0	23790/710	1:1	0.238	0.08	20.15	21.00	1.216	0.289	22.1
			Hotspot Test	Data at	the worst c	ase with B	attery 2#				
Front side	10	QPSK 25RB_0	23790/710	1:1	0.238	0.05	20.15	21.00	1.216	0.289	22.1
			Hotspot Test	Data at	the worst c	ase with B	attery 3#				
Front side	10	QPSK 25RB_0	23790/710	1:1	0.243	0.03	20.15	21.00	1.216	0.296	22.1
		Ant2 Ad	Iditional Test	data(si	multaneou	s transmi	ssion with W	IFI)			
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor		Liquid Temp.
				Head	Test data(1	RB)					
Left cheek	10	QPSK 1RB_49	23800/711	1:1	0.408	0.08	18.42	19.30	1.225	0.500	22.1
Left tilted	10	QPSK 1RB_49	23800/712	1:1	0.341	0.06	18.42	19.30	1.225	0.418	22.1
Right tilted	10	QPSK 1RB_49	23800/711	1:1	0.314	0.08	17.44	18.50	1.276	0.401	22.1

Table 50: SAR of LTE Band 17 for Head and Body(Original report E5/2018/C0055).

					Ant1 Test of	data		•			
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)		Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
			Hea	ad Test d	ata at the w	orst case	(1RB)				
Right cheek	10	QPSK 1RB_0	23780/709	1:1	0.130	0.09	23.66	24.00	1.081	0.141	22.1
		E	Body worn Te	st data at	t the worst of	ase (Sepa	arate 15mm 1	RB)			
Back side	10	QPSK 1RB_0	23790/710	1:1	0.239	-0.02	23.54	24.00	1.112	0.266	22.1
			Hotspot Test	data at t	he worst ca	se (Separ	ate 10mm 1RI	3)			
Back side	10	QPSK 1RB_0	23790/710	1:1	0.340	0.00	23.54	24.00	1.112	0.378	22.1
					Ant2 Test o	data					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
			Head To	est Data	at the worst	case with	Battery 3#				
Left cheek	10	QPSK 25RB_13	23800/711	1:1	0.719	0.01	21.66	22.30	1.159	0.833	22.1
			Во	dy worn	Test data at	the worst	case				
Front side	10	QPSK 1RB_25	23800/711	1:1	0.135	-0.03	23.18	24.00	1.208	0.163	22.1
			Hotspot 7	est Data	at the wors	t case wit	h Battery 3#				
Front side	10	QPSK 25RB_0	23790/710	1:1	0.156	0.04	20.15	21.00	1.216	0.190	22.1

Table 51: SAR of LTE Band 17 for Head and Body(Original report E5/2018/C0055).

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					Ant1 Test o	doto					
Test position	BW.	Test mode	Test Ch./Freq.	Duty	SAR	Power	Conducted power(dBm)	•	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
			He	ad Test d	ata at the w	vorst case	(1RB)	•	•		
Right cheek	10	QPSK 1RB_0	23780/709	1:1	0.178	0.06	23.66	24.00	1.081	0.192	22.1
			Head	Test Dat	ta at the wo	rst case w	rith SIM2				
Right cheek	10	QPSK 1RB_0	23780/709	1:1	0.175	-0.05	23.66	24.00	1.081	0.189	22.1
		F	Body worn Te	st data a	t the worst o	case (Sepa	arate 15mm 1	RB)			
Back side	10	QPSK 1RB_0	23790/710	1:1	0.248	-0.08	23.54	24.00	1.112	0.276	22.1
			Body wo	orn Test [Data at the	worst case	with SIM2				
Back side	10	QPSK 1RB_0	23790/710	1:1	0.245	-0.01	23.54	24.00	1.112	0.272	22.1
	1		Hotspot Test	data at t	he worst ca	se (Separ	ate 10mm 1R	B)			
Back side	10	QPSK 1RB_0	23790/710	1:1	0.326	-0.08	23.54	24.00	1.112	0.362	22.1
			Hotspo	t Test Da	ata at the w	orst case	with SIM2				
Back side	10	QPSK 1RB_0	23790/710	1:1	0.318	-0.04	23.54	24.00	1.112	0.354	22.1
					Ant2 Test	data					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)		Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
			Head T	est Data	at the worst	case with	Battery 3#				
Left cheek	10	QPSK 25RB_13	23800/711	1:1	0.776	-0.07	21.66	22.30	1.159	0.899	22.1
		V	Head	Test Dat	ta at the wo	rst case w	ith SIM2				
Left cheek	10	QPSK 25RB_13	23800/711	1:1	0.767	0.02	21.66	22.30	1.159	0.889	22.1
			Во	dy worn	Test data at	t the worst	t case				
Front side	10	QPSK 1RB_25	23800/711	1:1	0.209	-0.02	23.18	24.00	1.208	0.252	22.1
			Body wo	orn Test [Data at the	worst case	with SIM2				
Front side	10	QPSK 1RB_25	23800/711	1:1	0.129	-0.02	23.18	24.00	1.208	0.156	22.1
			Hotspot 7	Test Data	at the wors	st case wit	h Battery 3#				
_ , , , ,	10	QPSK 25RB 0	23790/710	1:1	0.197	-0.02	20.15	21.00	1.216	0.240	22.1
Front side	10	QI OIT ZOTED_0	20:00::0								
Front side	10	QT OR ZORD_0	l.	t Test Da	ata at the w	orst case	with SIM2				

Table 52: SAR of LTE Band 17 for Head and Body(Variant)

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B
- 2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

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8 3 12 SAR Result of LTF Rand 26

					Ant1 Test	data					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
		T		Н	ead Test da	ta(1RB)		,		T	ı
Left cheek	15	QPSK 1RB_38	26765/821.5	1:1	0.143	0.04	23.35	24.00	1.161	0.166	22.1
Left tilted	15	QPSK 1RB_38	26765/821.5	1:1	0.086	-0.12	23.35	24.00	1.161	0.099	22.1
Right cheek	15	QPSK 1RB_38	26765/821.5	1:1	0.195	-0.05	23.35	24.00	1.161	0.226	22.1
Right tilted	15	QPSK 1RB_38	26765/821.5	1:1	0.090	0.06	23.35	24.00	1.161	0.105	22.1
Right cheek	15	QPSK 1RB_38	26865/831.5	1:1	0.217	0.01	23.29	24.00	1.178	0.256	22.1
Right tilted	15	QPSK 1RB_38	26965/841.5	1:1	0.215	0.03	23.27	24.00	1.183	0.254	22.1
					Head Tes	st data(50%	%RB)				
Left cheek	15	QPSK 36RB_39	26765/821.5	1:1	0.117	-0.06	22.33	23.00	1.167	0.137	22.1
Left tilted	15	QPSK 36RB_39	26765/821.5	1:1	0.068	-0.08	22.33	23.00	1.167	0.079	22.1
Right cheek	15	QPSK 36RB_39	26765/821.5	1:1	0.161	-0.11	22.33	23.00	1.167	0.188	22.1
Right tilted	15	QPSK 36RB_39	26765/821.5	1:1	0.075	-0.05	22.33	23.00	1.167	0.087	22.1
			Head	Test Data	a at the wors	t case with	n Battery 2#				
Right cheek	15	QPSK 1RB_38	26865/831.5	1:1	0.216	0.14	23.29	24.00	1.178	0.254	22.1
			Head	Test Data	a at the wors	t case with	Battery 3#				
Right cheek	15	QPSK 1RB_38	26865/831.5	1:1	0.215	0.02	23.29	24.00	1.178	0.253	22.1
			Во	dy worn T	est data(Se	parate 15n	nm 1RB)				,
Front side	15	QPSK 1RB_38	26765/821.5	1:1	0.191	-0.09	23.35	24.00	1.161	0.222	22.1
Back side	15	QPSK 1RB_38	26765/821.5	1:1	0.210	0.05	23.35	24.00	1.161	0.244	22.1
Back side	15	QPSK 1RB_38	26865/831.5	1:1	0.252	0.04	23.29	24.00	1.178	0.297	22.1
Back side	15	QPSK 1RB_38	26965/841.5	1:1	0.307	0.07	23.27	24.00	1.183	0.363	22.1
			Body	worn Tes	st data (Sepa	arate 15mr	n 50%RB)				
Front side	15	QPSK 36RB_39	26765/821.5	1:1	0.162	-0.12	22.33	23.00	1.167	0.189	22.1
Back side	15	QPSK 36RB_39	26765/821.5	1:1	0.178	0.08	22.33	23.00	1.167	0.208	22.1
		Į.	Body wo	rn Test d	ata at the wo	orst case w	vith Battery 2#			<u>I</u>	
Back side	15	QPSK 1RB_38	26965/841.5	1:1	0.233	-0.19	23.27	24.00	1.183	0.276	22.1
			Body wo	rn Test d	ata at the wo	orst case w	vith Battery 3#			I	
Back side	15	QPSK 1RB_38	26965/841.5	1:1	0.271	0.06	23.27	24.00	1.183	0.321	22.1
				_	st data(Sepa		1				
Front side	15	QPSK 1RB_38	26765/821.5	1:1	0.328	-0.07	23.35	24.00	1.161	0.381	22.1
Back side	15	QPSK 1RB_38	26765/821.5	1:1	0.355	0.06	23.35	24.00	1.161	0.412	22.1
Left side	15	QPSK 1RB_38	26765/821.5	1:1	0.110	0.06	23.35	24.00	1.161	0.128	22.1
Right side	15	QPSK 1RB_38	26765/821.5	1:1	0.330	0.02	23.35	24.00	1.161	0.383	22.1
Bottom side	15	QPSK 1RB_38	26765/821.5	1:1	0.321	0.11	23.35	24.00	1.161	0.373	22.1
Back side	15	QPSK 1RB_38	26865/831.5	1:1	0.391	0.06	23.29	24.00	1.178	0.460	22.1
Back side	15	QPSK 1RB 38	26965/841.5	1:1	0.465	0.07	23.27	24.00	1.183	0.550	22.1
<u> </u>		Q. G			data (Separ					0.000	
Front side	15	QPSK 36RB_39	26765/821.5	1:1	0.273	-0.07	22.33	23.00	1.167	0.319	22.1
Back side	15	QPSK 36RB_39	26765/821.5	1:1	0.293	0.03	22.33	23.00	1.167	0.342	22.1
Left side	15	QPSK 36RB_39	26765/821.5	1:1	0.089	0.03	22.33	23.00	1.167	0.104	22.1
Right side	15	QPSK 36RB_39	26765/821.5	1:1	0.009	0.04	22.33	23.00	1.167	0.104	22.1
Bottom side	15	QPSK 36RB_39	26765/821.5	1:1	0.272	0.00	22.33	23.00	1.167	0.317	22.1
DOLLOIN SIDE	10	GL OULD_39						25.00	1.101	0.240	۷۷.۱
Pook sids	15	ODEK ADD 20					h Battery 2#	24.00	1 100	0.400	22.4
Back side	15	QPSK 1RB_38	26965/841.5	1:1	0.422	0.06	23.27	24.00	1.183	0.499	22.1
Dook alda	15	ODCK ADD CO					h Battery 3#	24.00	1 100	0.077	20.4
Back side	15	QPSK 1RB_38	26965/841.5	1:1	0.319	0.08	23.27	24.00	1.183	0.377	22.1

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					Ant2 Test	data					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
	1	T			ead Test da	, ,				1	
Left cheek	15	QPSK 1RB_0	26965/841.5	1:1	0.411	0.11	20.54	21.50	1.247	0.513	22.1
Left tilted	15	QPSK 1RB_0	26965/841.5	1:1	0.322	0.00	20.54	21.50	1.247	0.402	22.1
Right cheek	15	QPSK 1RB_0	26865/831.5	1:1	0.348	-0.03	20.55	21.50	1.245	0.433	22.1
Right tilted	15	QPSK 1RB_0	26865/831.5	1:1	0.269	0.02	20.55	21.50	1.245	0.335	22.1
		T	1		ad Test data	(50%RB)					
Left cheek	15		26765/821.5	1:1	0.438	0.03	20.63	21.50	1.222	0.535	22.1
Left tilted	15	QPSK 36RB_18	26765/821.5	1:1	0.343	0.11	20.63	21.50	1.222	0.419	22.1
Right cheek	15	_	26765/821.5	1:1	0.360	0.02	20.59	21.50	1.233	0.444	22.1
Right tilted	15	QPSK 36RB_18	26765/821.5	1:1	0.280	0.05	20.59	21.50	1.233	0.345	22.1
Left cheek	15	QPSK 36RB_18	26865/831.5	1:1	0.408	0.02	20.49	21.50	1.262	0.515	22.1
Left cheek	15	QPSK 36RB_18	26965/841.5	1:1	0.453	0.01	20.54	21.50	1.247	0.565	22.1
	•		Head	Test Data	a at the wors	t case with	Battery 2#				
Left cheek	15	QPSK 36RB_18	26965/841.5	1:1	0.512	-0.02	20.54	21.50	1.247	0.639	22.1
			Head	Test Data	a at the wors	t case with	Battery 3#				
Left cheek	15	QPSK 36RB_18	26965/841.5	1:1	0.529	-0.07	20.54	21.50	1.247	0.660	22.1
			Boo	dy worn T	est data(Se	parate 15n	nm 1RB)				
Front side	15	QPSK 1RB_38	26865/831.5	1:1	0.140	0.13	23.17	24.00	1.211	0.169	22.1
Back side	15	QPSK 1RB_38	26865/831.5	1:1	0.136	-0.07	23.17	24.00	1.211	0.165	22.1
Front side	15	QPSK 1RB_38	26765/821.5	1:1	0.160	0.11	23.06	24.00	1.242	0.199	22.1
Front side	15	QPSK 1RB_38	26965/841.5	1:1	0.143	0.08	23.07	24.00	1.239	0.177	22.1
			Body	worn Tes	st data (Sepa	arate 15mr	n 50%RB)				
Front side	15	QPSK 36RB_0	26765/821.5	1:1	0.126	0.11	22.17	23.00	1.211	0.153	22.1
Back side	15	QPSK 36RB_0	26765/821.5	1:1	0.123	-0.07	22.17	23.00	1.211	0.149	22.1
			Body wo	rn Test D	ata at the wo	orst case w	ith Battery 2#				
Front side	15	QPSK 1RB_38	26765/821.5	1:1	0.158	0.14	23.06	24.00	1.242	0.196	22.1
			Body wo	rn Test D	ata at the w	orst case v	vith Battery 3#				
Front side	15	QPSK 1RB_38	26765/821.5	1:1	0.146	-0.02	23.06	24.00	1.242	0.181	22.1
			Ho	otspot Te	st data(Sepa	arate 10mr				ı	
Front side	15	QPSK 1RB_0	26865/831.5	1:1	0.149	0.18	20.05	21.00	1.245	0.185	22.1
Back side	15	QPSK 1RB_0	26865/831.5	1:1	0.168	0.07	20.05	21.00	1.245	0.209	22.1
Left side	15	QPSK 1RB_0	26865/831.5	1:1	0.051	-0.02	20.05	21.00	1.245	0.064	22.1
Right side	15	QPSK 1RB_0	26865/831.5	1:1	0.010	0.02	20.05	21.00	1.245	0.012	22.1
Top side	15	QPSK 1RB_0	26865/831.5	1:1	0.110	0.07	20.05	21.00	1.245	0.137	22.1
Back side	15	QPSK 1RB_0	26765/821.5	1:1	0.205	-0.14	19.94	21.00	1.276	0.262	22.1
Back side	15	QPSK 1RB_0	26965/841.5	1:1	0.157	-0.16	19.92	21.00	1.282	0.201	22.1
AT					1	l	e 10mm 50%R				
Front side	15	QPSK 36RB_18		1:1	0.145	0.16	20.08	21.00	1.236	0.179	22.1
Back side	15	QPSK 36RB_18	l	1:1	0.162	-0.11	20.08	21.00	1.236	0.200	22.1
Left side	15	QPSK 36RB_18	+	1:1	0.050	-0.05	20.08	21.00	1.236	0.062	22.1
Right side	15	QPSK 36RB_18	l	1:1	0.009	-0.09	20.08	21.00	1.236	0.012	22.1
Top side	15	QPSK 36RB_18		1:1	0.114	0.13	20.08	21.00	1.236	0.141	22.1
100 0100		_ C. C. COND_10					th Battery 2#	200	00	V. 171	
Back side	15	QPSK 1RB_0	26765/821.5	1:1	0.156	-0.13	19.94	21.00	1.276	0.199	22.1
Dack sluc	10	QI OK IKD_0					th Battery 3#	21.00	1.210	0.133	۲۲.۱
Back side	15	QPSK 1RB_0	26765/821.5	1:1	0.168	-0.08	19.94	21.00	1.276	0.214	22.1
Dack Slut	ເວ	WESK IKD_0	20100/021.5	1.1	0.100	-0.06	13.34	21.00	1.270	0.214	22.1

Table 53: SAR of LTE Band 26 for Head and Body(Original report E5/2018/C0055).

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

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					Ant1 Test	data					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR	Power	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
-			Н	ead Test	data at the v	vorst case	(1RB)	,		, , ,	
Right cheek	15	QPSK 1RB_38	26865/831.5	1:1	0.179	0.12	23.29	24.00	1.178	0.211	22.1
			Body worn T	est data	at the worst	case (Sepa	arate 15mm 1l	RB)			
Back side	15	QPSK 1RB_38	26965/841.5	1:1	0.284	-0.02	23.27	24.00	1.183	0.336	22.1
			Hotspot Te	st data at	the worst ca	ase (Separ	ate 10mm 1RI	3)			
Back side	15	QPSK 1RB_38	26965/841.5	1:1	0.462	0.01	23.27	24.00	1.183	0.547	22.1
					Ant2 Test	data		,			
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
			Head ⁻	Test Data	at the wors	t case with	Battery 3#				,
Left cheek	15	QPSK 36RB_18	26965/841.5	1:1	0.560	0.08	20.54	21.50	1.247	0.699	22.1
			Body worn T	est data	at the worst	case (Sepa	arate 15mm 11	RB)			
Front side	15	QPSK 1RB_38	26765/821.5	1:1	0.166	-0.01	23.06	24.00	1.242	0.206	22.1
			Hotspot Te	st data at	the worst ca	ase (Separ	ate 10mm 1R	3)			
Back side	15	QPSK 1RB_0	26765/821.5	1:1	0.171	0.02	19.94	21.00	1.276	0.218	22.1

Table 54: SAR of LTE Band 26 for Head and Body(Original report E5/2018/C0055).

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					Ant1 Test of	data					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
			Hea	ad Test d	lata at the w	orst case	(1RB)				
Right cheek	15	QPSK 1RB_38	26865/831.5	1:1	0.213	0.06	23.29	24.00	1.178	0.251	22.1
			Head	Test Dat	ta at the wo	rst case w	th SIM2				
Right cheek	15	QPSK 1RB_38	26865/831.5	1:1	0.209	0.07	23.29	24.00	1.178	0.246	22.1
			Body worn Te	st data a	t the worst o	case (Sepa	arate 15mm 1F	RB)			
Back side	15	QPSK 1RB_38	26965/841.5	1:1	0.271	-0.01	23.27	24.00	1.183	0.321	22.1
			Body wo	orn Test o	data at the v	worst case	with SIM2				\
Back side	15	QPSK 1RB_38	26965/841.5	1:1	0.267	0.00	23.27	24.00	1.183	0.316	22.1
			Hotspot Test	data at t	he worst ca	se (Separa	ate 10mm 1RE	3)			
Back side	15	QPSK 1RB_38	26965/841.5	1:1	0.438	-0.04	23.27	24.00	1.183	0.518	22.1
			Hotspo	ot Test da	ata at the wo	orst case v	vith SIM2				
Back side	15	QPSK 1RB_38	26965/841.5	1:1	0.416	0.00	23.27	24.00	1.183	0.492	22.1
					Ant2 Test	data	•				
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)		Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
			Head Te	est Data a	at the worst	case with	Battery 3#				
Left cheek	15	QPSK 36RB_18	26965/841.5	1:1	0.615	0.00	20.54	21.50	1.247	0.767	22.1
			Head	Test Dat	ta at the wo	rst case w	th SIM2				
Left cheek	15	QPSK 36RB_18	26965/841.5	1:1	0.610	0.11	20.54	21.50	1.247	0.761	22.1
			Body worn Te	st data a	t the worst o	case (Sepa	arate 15mm 1F	RB)			
Front side	15	QPSK 1RB_38	26765/821.5	1:1	0.164	0.03	23.06	24.00	1.242	0.204	22.1
			Body wo	orn Test [Data at the v	worst case	with SIM2				
Front side	15	QPSK 1RB_38	26765/821.5	1:1	0.163	-0.05	23.06	24.00	1.242	0.202	22.1
			Hotspot Test	t data at t	the worst ca	ise (Separ	ate 10mm 1RI	3)			
Back side	15	QPSK 1RB_0	26765/821.5	1:1	0.198	-0.13	19.94	21.00	1.276	0.253	22.1
			Hotspo	t Test D	ata at the w	orst case	with SIM2				
Back side	15	QPSK 1RB_0	26765/821.5	1:1	0.173	-0.01	19.94	21.00	1.276	0.221	22.1

Table 55: SAR of LTE Band 26 for Head and Body(Variant)

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B
- 2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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8.3.13 SAR Result of LTE Band 38

					Ant1 Test of	lata					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg	Liquio Temp
				He	ad Test data	a(1RB)					
Left cheek	20	QPSK 1RB_99	38150/2610	1:1.58	0.018	0.08	23.63	24.00	1.089	0.019	22.3
Left tilted	20	QPSK 1RB_99	38150/2610	1:1.58	0.008	0.01	23.63	24.00	1.089	0.009	22.3
Right cheek	20	QPSK 1RB_99	38150/2610	1:1.58	0.044	0.00	23.63	24.00	1.089	0.048	22.3
Right tilted	20	QPSK 1RB_99	38150/2610	1:1.58	0.016	0.03	23.63	24.00	1.089	0.017	22.3
Right cheek	20	QPSK 1RB_99	37850/2580	1:1.58	0.050	0.00	23.46	24.00	1.132	0.057	22.3
Right cheek	20	QPSK 1RB_99	38000/2595	1:1.58	0.048	0.08	23.54	24.00	1.112	0.053	22.3
				Hea	d Test data(50%RB)			A 1		
Left cheek	20	QPSK 50RB_50	38150/2610	1:1.58	0.013	0.00	22.47	23.00	1.130	0.015	22.3
Left tilted	20	QPSK 50RB_50	38150/2610	1:1.58	0.005	0.01	22.47	23.00	1.130	0.006	22.3
Right cheek	20	QPSK 50RB_50	38150/2610	1:1.58	0.034	0.00	22.47	23.00	1.130	0.038	22.3
Right tilted	20	QPSK 50RB_50	38150/2610	1:1.58	0.014	0.01	22.47	23.00	1.130	0.016	22.3
-		•	Head ¹	Test Data	at the worst	case with E	Battery 2#			1	
Right cheek	20	QPSK 1RB_99	37850/2580	1:1.58	0.065	0.08	23.46	24.00	1.132	0.073	22.3
			Head ¹	Test Data	at the worst	case with I	Batterv 3#			I	
Right cheek	20	QPSK 1RB_99	37850/2580	1:1.58	0.055	0.00	23.46	24.00	1.132	0.062	22.3
					est data(Sep					1	
Front side	20	QPSK 1RB 99	38150/2610	1:1.58	0.141	0.04	23.63	24.00	1.089	0.154	22.3
Back side	20	QPSK 1RB_99	38150/2610	1:1.58	0.132	-0.01	23.63	24.00	1.089	0.144	22.3
Front side	20	QPSK 1RB_99	37850/2580	1:1.58	0.194	-0.03	23.46	24.00	1.132	0.220	22.3
Front side	20	QPSK 1RB_99	38000/2595	1:1.58	0.174	0.03	23.54	24.00	1.112	0.193	22.3
1 TOTIL SIGO	20	QI OK IKB_55	I .		data (Sepa	l .		24.00	1.112	0.133	22.0
Front side	20	QPSK 50RB_50		1:1.58	0.134	-0.02	22.47	23.00	1.130	0.151	22.3
Back side	20	QPSK 50RB_50		1:1.58	0.107	-0.02	22.47	23.00	1.130	0.131	22.3
Dack side	20	QI OK SOND_SO					h Battery 2#	20.00	1.100	0.121	22.0
Front side	20	QPSK 1RB_99	37850/2580	1:1.58	0.190	-0.06	23.46	24.00	1.132	0.215	22.3
FIUIT SIDE	20	QF3K IKB_99	I .			l .	l	24.00	1.132	0.213	22.0
Frant side	20	ODCK ADD OO					th Battery 3#	24.00	1 122	0.222	22.5
Front side	20	QPSK 1RB_99	37850/2580	1:1.58	0.206	-0.06	23.46	24.00	1.132	0.233	22.3
Forestable	00	ODOK 4DD 00			t data(Sepai			00.00	4 440	0.040	T 00 6
Front side	20	QPSK 1RB_99	38150/2610	1:1.58	0.214	-0.07	22.51	23.00	1.119	0.240	22.3
Back side	20	QPSK 1RB_99	38150/2610	1:1.58	0.182	-0.02	22.51	23.00	1.119	0.204	22.3
Left side	20	QPSK 1RB_99	38150/2610	1:1.58	0.069	-0.03	22.51	23.00	1.119	0.077	22.3
Right side	20	QPSK 1RB_99	38150/2610	1:1.58	0.049	-0.02	22.51	23.00	1.119	0.055	22.3
Bottom side	20	QPSK 1RB_99	38150/2610	1:1.58	0.454	0.07	22.51	23.00	1.119	0.508	22.3
		0001/ 5000 50	1	•	lata (Separa		, ,	22.22	4.400	0.005	T 00 (
Front side	20	QPSK 50RB_50		1:1.58	0.254	-0.06	22.50	23.00	1.122	0.285	22.3
Back side	20	QPSK 50RB_50		1:1.58	0.191	0.04	22.50	23.00	1.122	0.214	22.3
Left side	20	QPSK 50RB_50		1:1.58	0.071	-0.11	22.50	23.00	1.122	0.079	22.3
Right side	20	QPSK 50RB_50	38150/2610	1:1.58	0.049	-0.04	22.50	23.00	1.122	0.055	22.3
Bottom side	20	QPSK 50RB_50		1:1.58	0.459	-0.03	22.50	23.00	1.122	0.515	22.3
Bottom side	20	QPSK 50RB_50		1:1.58	0.532	-0.02	22.38	23.00	1.153	0.614	22.3
Bottom side	20	QPSK 50RB_50		1:1.58	0.486	0.00	22.43	23.00	1.140	0.554	22.3
		ı			at the wors		· · ·			T	
Bottom side	20	QPSK 50RB_50	37850/2580	1:1.58	0.527	-0.04	22.38	23.00	1.153	0.608	22.3
		1	Hotspot	Test Data	at the wors	t case with	Battery 3#				1
Bottom side	20	QPSK 50RB_50	37850/2580	1:1.58	0.610	0.02	22.38	23.00	1.153	0.704	22.3

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	•				Ant2 Test of	lata					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR	Power	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
				He	ead Test data	a(1RB)					
Left cheek	20	QPSK 1RB_99	38150/2610	1:1.58	0.257	-0.05	19.29	19.80	1.125	0.289	22.3
Left tilted	20	QPSK 1RB_99	38150/2610	1:1.58	0.237	-0.02	19.29	19.80	1.125	0.267	22.3
Right cheek	20	QPSK 1RB_99	38150/2610	1:1.58	0.341	0.05	15.38	15.80	1.102	0.376	22.3
Right tilted	20	QPSK 1RB_99	38150/2610	1:1.58	0.368	0.03	15.38	15.80	1.102	0.405	22.3
					Head Test	t data(50%	RB)				
Left cheek	20	QPSK 50RB_50	38150/2610	1:1.58	0.243	0.02	19.21	19.80	1.146	0.278	22.3
Left tilted	20	QPSK 50RB_50	38150/2610	1:1.58	0.244	0.05	19.21	19.80	1.146	0.280	22.3
Right cheek	20	QPSK 50RB_50	38150/2610	1:1.58	0.338	0.11	15.31	15.80	1.119	0.378	22.3
Right tilted	20	QPSK 50RB_50	38150/2610	1:1.58	0.372	0.03	15.31	15.80	1.119	0.416	22.3
Right tilted	20	QPSK 50RB_50	37850/2580	1:1.58	0.426	0.12	15.19	15.80	1.151	0.490	22.3
Right tilted	20	QPSK 50RB_50	38000/2595	1:1.58	0.389	0.15	15.14	15.80	1.164	0.453	22.3
			Head [·]	Test Data	at the worst	case with	Battery 2#				
Right tilted	20	QPSK 50RB_50	37850/2580	1:1.58	0.459	0.00	15.19	15.80	1.151	0.528	22.3
			Head ¹	Test Data	at the worst	case with	Battery 3#				•
Right tilted	20	QPSK 50RB_50	37850/2580	1:1.58	0.438	0.01	15.19	15.80	1.151	0.504	22.3
			Boo	dy worn Te	est data(Sep	arate 15mr	m 1RB)				•
Front side	20	QPSK 1RB_99	38000/2595	1:1.58	0.116	-0.10	21.18	21.80	1.153	0.134	22.3
Back side	20	QPSK 1RB_99	38000/2595	1:1.58	0.120	0.01	21.18	21.80	1.153	0.138	22.3
Back side	20	QPSK 1RB_99	37850/2580	1:1.58	0.137	-0.08	21.05	21.80	1.189	0.163	22.3
Back side	20	QPSK 1RB_99	38150/2610	1:1.58	0.114	0.05	21.08	21.80	1.180	0.135	22.3
AL			Body v	worn Test	data (Separ	ate 15mm	50%RB)				
Front side	20	QPSK 50RB_0	37850/2580	1:1.58	0.113	0.09	21.07	21.80	1.183	0.134	22.3
Back side	20	QPSK 50RB_0	37850/2580	1:1.58	0.131	0.09	21.07	21.80	1.183	0.155	22.3
			Body wor	n Test Da	ita at the wo	rst case wit	h Battery 2#			-1	
Back side	20	QPSK 1RB_99	37850/2580	1:1.58	0.092	0.05	21.05	21.80	1.189	0.109	22.3
			Body wo	rn Test Da	ata at the wo	rst case wi	th Battery 3#			•	
Back side	20	QPSK 1RB_99	37850/2580	1:1.58	0.104	0.05	21.05	21.80	1.189	0.124	22.3
	ı		Hot	tspot Tes	t data(Separ	ate 10mm	1RB)	L L		II.	
Front side	20	QPSK 1RB_0	37850/2580	1:1.58	0.137	0.03	18.26	18.80	1.132	0.155	22.3
Back side	20	QPSK 1RB_0	37850/2581	1:1.58	0.150	0.01	18.26	18.80	1.132	0.170	22.3
Left side	20	QPSK 1RB_0	37850/2582	1:1.58	0.068	0.01	18.26	18.80	1.132	0.077	22.3
Right side	20	QPSK 1RB_0	37850/2583	1:1.58	0.020	-0.08	18.26	18.80	1.132	0.023	22.3
Top side	20	QPSK 1RB_0	37850/2584	1:1.58	0.219	-0.12	18.26	18.80	1.132	0.248	22.3
Top side	20	QPSK 1RB_0	38000/2595	1:1.58	0.177	-0.01	17.97	18.80	1.211	0.214	22.3
Top side	20	QPSK 1RB_0	38150/2610	1:1.58	0.184	-0.05	18.17	18.80	1.156	0.213	22.3
			Hotspot activ	ed for WI	FI Test data	(Separate	10mm 50%RB				
Front side	20	QPSK 50RB_0	37850/2580	1:1.58	0.135	0.09	18.08	18.80	1.180	0.159	22.3
Back side	20	QPSK 50RB_0	37850/2581	1:1.58	0.146	0.02	18.08	18.80	1.180	0.172	22.3
Left side	20	QPSK 50RB_0	37850/2582	1:1.58	0.066	0.09	18.08	18.80	1.180	0.078	22.3
Right side	20	QPSK 50RB_0	37850/2583	1:1.58	0.020	-0.05	18.08	18.80	1.180	0.024	22.3
Top side	20	QPSK 50RB_0	37850/2584	1:1.58	0.204	-0.04	18.08	18.80	1.180	0.241	22.3
1					a at the wors	l .				1	
Top side	20	QPSK 1RB_0	37850/2584	1:1.58	0.246	0.08	18.26	18.80	1.132	0.279	22.3
1					a at the wors					1	
Top side	20	QPSK 1RB_0	37850/2584	1:1.58	0.215	0.11	18.26	18.80	1.132	0.243	22.3

Table 56: SAR of LTE Band 38 for Head and Body(Original report E5/2018/C0055).

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

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					Ant1 Test d	lata					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
			Head 7	Γest Data a	at the worst	case with E	Battery 2#				
Right cheek	20	QPSK 1RB_99	37850/2580	1:1.58	0.020	0.03	22.02	23.00	1.253	0.025	22.3
			Body wor	n Test Da	ta at the wo	rst case wit	h Battery 3#				
Front side	20	QPSK 1RB_99	37850/2580	1:1.58	0.083	0.05	22.02	23.00	1.253	0.104	22.3
	\	\	Hotspot	Test Data	a at the wors	st case with	Battery 3#				
Bottom side	20	QPSK 50RB_50	37850/2580	1:1.58	0.332	0.00	20.61	22.00	1.377	0.457	22.3
					Ant2 Test d	lata				,	
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
			Head 7	Test Data	at the worst	case with E	Battery 2#				
Right tilted	20	QPSK 50RB_50	37850/2580	1:1.58	0.171	0.04	13.55	14.50	1.245	0.213	22.3
			Bod	ly worn Te	st data(Sepa	arate 15mn	n 1RB)				
Back side	20	QPSK 1RB_99	37850/2580	1:1.58	0.121	0.11	19.58	20.50	1.236	0.150	22.3
			Hotspot	Test Data	a at the wors	st case with	Battery 2#				
Top side	20	QPSK 1RB_0	37850/2584	1:1.58	0.103	-0.01	16.34	17.50	1.306	0.135	22.3

Table 57: SAR of LTE Band 38 for Head and Body(Original report E5/2018/C0055).

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

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				An	t1 Test dat	a					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1- g	Power Drift(dB)	Conducted power(dBm)		Scaled factor		Liquid Temp.
			Head Test	Data at tl	ne worst ca	se with Ba	attery 2#				
Right cheek	20	QPSK 1RB_99	37850/2580	1:1.58	0.035	-0.07	22.02	23.00	1.253	0.043	22.3
Right cheek	20	PCC QPSK 1RB_99	37850/2580	1:1.58	0.037	0.09	21.84	23.00	1.306	0.049	22.3
Night Cheek	20	SCC QPSK 1RB_0	38048/2599.8	1:1.58	0.037	0.09	21.04	23.00	1.300	0.049	22.5
			Head Te	st Data a	t the worst	case with	SIM2				
Right cheek	20	QPSK 1RB_99	37850/2580	1:1.58	0.034	0.00	22.02	23.00	1.253	0.042	22.3
			Body worn Te	est Data a	t the worst	case with	Battery 3#				
Front side	20	QPSK 1RB_99	37850/2580	1:1.58	0.145	-0.09	22.02	23.00	1.253	0.182	22.3
Eront oido	20	PCC QPSK 1RB_99	37850/2580	1:1.58	0.144	-0.09	21.84	22.00	1.306	0.188	22.3
Front side	20	SCC QPSK 1RB_0	38048/2599.8	1:1.58	0.144	-0.09	21.04	23.00	1.300	0.100	22.3
			Hotspot T	est Data	at the wors	st case wit	h SIM2				
Front side	20	QPSK 1RB_99	37850/2580	1:1.58	0.141	-0.01	22.02	23	1.253	0.177	22.3
			Hotspot Tes	t Data at	the worst of	ase with E	Battery 3#				
Bottom side	20	QPSK 50RB_50	37850/2580	1:1.58	0.460	0.02	20.54	22.00	1.400	0.644	22.3
Datter alde	20	PCC QPSK 1RB_99	37850/2580	1:1.58	0.500	0.00	00.77	00.00	4.007	0.000	00.0
Bottom side	20	SCC QPSK 1RB_0	38048/2599.8	1:1.58	0.522	0.09	20.77	22.00	1.327	0.693	22.3
			Hotspot T	est Data	at the wors	st case wit	h SIM2				
Bottom side	20	QPSK 50RB_50	37850/2580	1:1.58	0.448	-0.02	20.54	22.00	1.400	0.627	22.3
				An	t2 Test dat	а					
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1- g	Power Drift(dB)	Conducted power(dBm)		Scaled factor		Liquid Temp.
			Head Test	Data at t	ne worst ca	se with Ba	attery 2#	CAT	980		
Right tilted	20	QPSK 50RB_50	37850/2580	1:1.58	0.280	0.06	13.55	14.50	1.245	0.348	22.3
	20	PCC QPSK 1RB_99	37850/2580	1:1.58							
Right tilted	20	SCC QPSK 1RB_0	38048/2599.8	1:1.58	0.245	0.08	13.41	14.50	1.285	0.315	22.3
			Head Te	st Data a	t the worst	case with	SIM2				
	20	QPSK 50RB_50	37850/2580	1:1.58	0.253	0.01	13.55	14.50	1.245	0.315	22.3
Right tilted	20	Q1 O1 301 D_30				0.01					
Right tilted	20	QI GIT SOITE_SO	Body wo	orn Test o	lata(Separa						
Right tilted Back side	20	QPSK 1RB_99	Body wo	orn Test of 1:1.58	data(Separa			20.50	1.236	0.116	22.3
Back side		QPSK 1RB_99			0.094	ate 15mm 0.06	1RB) 19.58				
	20	_	37850/2580	1:1.58		ate 15mm	1RB)	20.50	1.236 1.285	0.116 0.109	22.3
Back side	20 20	QPSK 1RB_99 PCC QPSK 1RB_99	37850/2580 37850/2580	1:1.58 1:1.58 1:1.58	0.094	0.06 0.17	1RB) 19.58 19.41				
Back side	20 20	QPSK 1RB_99 PCC QPSK 1RB_99	37850/2580 37850/2580 38048/2599.8	1:1.58 1:1.58 1:1.58	0.094	0.06 0.17	1RB) 19.58 19.41				
Back side Back side	20 20 20	QPSK 1RB_99 PCC QPSK 1RB_99 SCC QPSK 1RB_0	37850/2580 37850/2580 38048/2599.8 Body worn	1:1.58 1:1.58 1:1.58 Test Dat 1:1.58	0.094 0.085 a at the wo 0.086	0.06 0.17 rst case w	1RB) 19.58 19.41 ith SIM2 19.58	20.50	1.285	0.109	22.3
Back side Back side	20 20 20	QPSK 1RB_99 PCC QPSK 1RB_99 SCC QPSK 1RB_0	37850/2580 37850/2580 38048/2599.8 Body worn 37850/2580	1:1.58 1:1.58 1:1.58 Test Dat 1:1.58	0.094 0.085 a at the wo 0.086	0.06 0.17 rst case w	1RB) 19.58 19.41 ith SIM2 19.58	20.50	1.285	0.109	22.3
Back side Back side Top side	20 20 20 20	QPSK 1RB_99 PCC QPSK 1RB_99 SCC QPSK 1RB_0 QPSK 1RB_99	37850/2580 37850/2580 38048/2599.8 Body worn 37850/2580 Hotspot Tes	1:1.58 1:1.58 1:1.58 Test Dat 1:1.58	0.094 0.085 a at the wo 0.086 the worst o 0.140	0.06 0.17 rst case w -0.01 case with E -0.04	19.58 19.41 ith SIM2 19.58 Battery 2# 16.34	20.50	1.285 1.236 1.306	0.109 0.106 0.183	22.3
Back side Back side	20 20 20 20 20	QPSK 1RB_99 PCC QPSK 1RB_99 SCC QPSK 1RB_0 QPSK 1RB_99	37850/2580 37850/2580 38048/2599.8 Body worn 37850/2580 Hotspot Tes 37850/2584	1:1.58 1:1.58 1:1.58 Test Data 1:1.58 t Data at 1:1.58	0.094 0.085 a at the wo 0.086 the worst of	0.06 0.17 orst case w -0.01 case with E	1RB) 19.58 19.41 ith SIM2 19.58 Battery 2#	20.50	1.285	0.109	22.3
Back side Back side Top side	20 20 20 20 20 20 20	QPSK 1RB_99 PCC QPSK 1RB_99 SCC QPSK 1RB_0 QPSK 1RB_99 QPSK 1RB_99	37850/2580 37850/2580 38048/2599.8 Body worn 37850/2580 Hotspot Tes 37850/2584 37850/2584 38048/2599.8	1:1.58 1:1.58 1:1.58 Test Data 1:1.58 t Data at 1:1.58 1:1.58 1:1.58	0.094 0.085 a at the wo 0.086 the worst o 0.140	0.06 0.17 rst case w -0.01 case with E -0.04 -0.08	19.58 19.41 ith SIM2 19.58 3attery 2# 16.34 16.44	20.50	1.285 1.236 1.306	0.109 0.106 0.183	22.3

Table 58: SAR of LTE Band 38 for Head and Body(Variant)

Note:

- The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B 1)
- If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

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8.3.14 SAR Result of LTE Band 41

					nt1 Test dat				-		
Test position	BW.	Test mode	Test	Duty	SAR	Power	Conducted	Tune up	Scaled	Scaled	Liquid
			Ch./Freq.	Cycle			power(dBm)	Limit(dBm)	tactor	SAR(W/kg)	Temp
1 - 6 - 1 1	00	ODOK 4DD 50	40040/0555		d Test data(1		00.44	00.00	1 040	0.004	1 00 0
Left cheek	20	QPSK 1RB_50	40240/2555	1:1.58	0.017	0.04	22.14	23.00	1.219	0.021	22.3
Left tilted	20	QPSK 1RB_50	40240/2555	1:1.58	0.010	0.05	22.14	23.00	1.219	0.012	22.3
Right cheek	20	QPSK 1RB_50	40240/2555	1:1.58	0.055	0.04	22.14	23.00	1.219	0.067	22.3
Right tilted	20	QPSK 1RB_50	40240/2555	1:1.58	0.020	-0.14	22.14	23.00	1.219	0.025	22.3
Right cheek	20	QPSK 1RB_50	40540/2585	1:1.58	0.045	0.07	21.90	23.00	1.288	0.058	22.3
Right cheek	20	QPSK 1RB_50	40840/2615	1:1.58	0.047	0.02	21.84	23.00	1.306	0.061	22.3
Right cheek	20	QPSK 1RB_50	41140/2645	1:1.58	0.048	-0.01	21.86	23.00	1.300	0.062	22.3
			T		Test data(50						т
Left cheek	20	QPSK 50RB_0	40540/2585	1:1.58	0.017	-0.03	21.27	22.00	1.183	0.020	22.3
Left tilted	20	QPSK 50RB_0	40540/2585	1:1.58	0.008	-0.19	21.27	22.00	1.183	0.009	22.3
Right cheek	20	QPSK 50RB_0	40540/2585	1:1.58	0.034	0.07	21.27	22.00	1.183	0.041	22.3
Right tilted	20	QPSK 50RB_0	40540/2585	1:1.58	0.016	0.06	21.27	22.00	1.183	0.019	22.3
			Head Test	t Data at	the worst ca	se with Ba	attery 2#				
Right cheek	20	QPSK 1RB_50	40240/2555	1:1.58	0.064	0.00	22.14	23.00	1.219	0.078	22.3
			Head Tes	t Data at	the worst ca	ase with B	attery 3#				
Right cheek	20	QPSK 1RB_50	40240/2555	1:1.58	0.055	0.06	22.14	23.00	1.219	0.067	22.3
			Body w	orn Tes	t data(Separ	ate 15mm	1RB)				
Front side	20	QPSK 1RB_50	40240/2555	1:1.58	0.166	0.17	22.14	23.00	1.219	0.202	22.3
Back side	20	QPSK 1RB_50	40240/2555	1:1.58	0.147	0.02	22.14	23.00	1.219	0.179	22.3
Front side	20	QPSK 1RB_50	40540/2585	1:1.58	0.152	0.02	21.90	23.00	1.288	0.196	22.3
Front side	20	QPSK 1RB_50	40840/2615	1:1.58	0.159	-0.02	21.84	23.00	1.306	0.208	22.3
Front side	20	QPSK 1RB_50	41140/2645	1:1.58	0.107	-0.04	21.86	23.00	1.300	0.139	22.3
			Body wor		ata (Separat	e 15mm 5					
Front side	20	QPSK 50RB_0	40540/2585	1:1.58	0.090	0.08	21.27	22.00	1.183	0.106	22.3
Back side	20	QPSK 50RB_0	40540/2585	1:1.58	0.070	-0.08	21.27	22.00	1.183	0.082	22.3
			Body worn T			case with					1
Front side	20	QPSK 1RB_50	40840/2615	1:1.58	0.106	-0.05	21.84	23.00	1.306	0.138	22.3
			Body worn T	est Data		case with	Battery 3#				1
Front side	20	QPSK 1RB_50	40840/2615	1:1.58	0.102	-0.01	21.84	23.00	1.306	0.133	22.3
					data(Separat	1					
Front side	20	QPSK 1RB_50	40240/2555	1:1.58	0.158	-0.09	19.15	20.50	1.365	0.216	22.3
Back side	20	QPSK 1RB_50	40240/2555	1:1.58	0.136	0.03	19.15	20.50	1.365	0.186	22.3
Left side	20	QPSK 1RB_50	40240/2555	1:1.58	0.069	-0.15	19.15	20.50	1.365	0.094	22.3
Right side	20	QPSK 1RB_50	40240/2555	1:1.58	0.048	-0.01	19.15	20.50	1.365	0.065	22.3
Bottom side	20	QPSK 1RB_50	40240/2555	1:1.58	0.350	-0.01	19.15	20.50	1.365	0.478	22.3
Bottom side	20	QPSK 1RB_50	40540/2585	1:1.58	0.259	-0.06	19.11	20.50	1.377	0.357	22.3
Bottom side	20	QPSK 1RB_50	40840/2615	1:1.58	0.248	-0.05	19.03	20.50	1.403	0.348	22.3
Bottom side	20	QPSK 1RB_50	41140/2645	1:1.58	0.193	-0.01	18.99	20.50	1.416	0.273	22.3
Dottom side	20	QI OIL IILD_00			ta (Separate			20.00	1.410	0.270	22.0
Front side	20	QPSK 50RB_0	40840/2615	1:1.58	0.130	-0.19	19.29	20.50	1.321	0.172	22.3
Back side	20	QPSK 50RB_0	40840/2615	1:1.58	0.130	-0.08	19.29	20.50	1.321	0.172	22.3
Left side	20	QPSK 50RB_0	40840/2615	1:1.58	0.113	-0.03	19.29	20.50	1.321	0.149	22.3
		_									
Right side	20	QPSK 50RB_0	40840/2615	1:1.58	0.034	-0.18	19.29	20.50	1.321	0.045	22.3
Bottom side	20	QPSK 50RB_0	40840/2615	1:1.58	0.286	0.14	19.29	20.50	1.321	0.378	22.3
Detter -11	00	ODCK 4DD 50			at the worst o	1		20.50	4 005	0.400	00.0
Bottom side	20	QPSK 1RB_50	40240/2555	1:1.58	0.299	0.05	19.15	20.50	1.365	0.408	22.3
Datter 11	00	0001/400 55			at the worst of			00.50	4.005	0.450	00.0
Bottom side	20	QPSK 1RB_50	40240/2555	1:1.58	0.330	0.05	19.15	20.50	1.365	0.450	22.3
			T		nt2 Test dat	1	Conduct	T	0	October 1	1 2 1
Test position	BW.	Test mode	Test Ch./Freq.				Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
		00011155	400 10 15 ===		d Test data(1	1 '	1 40 0-	40.0-	1.55-		65 -
Left cheek	20	QPSK 1RB_50	40240/2555	1:1.58	0.425	0.01	18.20	19.00	1.202	0.511	22.3

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

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Left tilted	20	QPSK 1RB_50	40240/2555	1:1.58	0.401	-0.11	18.20	19.00	1.202	0.482	22.3
Right cheek	20	QPSK 1RB_50	40240/2555	1:1.58	0.359	0.08	14.65	15.00	1.084	0.389	22.3
Right tilted	20	QPSK 1RB 50	40240/2555	1:1.58	0.316	-0.02	14.65	15.00	1.084	0.343	22.3
Left cheek	20	QPSK 1RB_50	40540/2585	1:1.58	0.432	0.09	17.99	19.00	1.262	0.545	22.3
Left cheek	20	QPSK 1RB_50	40840/2615	1:1.58	0.381	0.19	18.13	19.00	1.222	0.466	22.3
Left cheek	20	QPSK 1RB_50	41140/2645	1:1.58	0.219	0.08	17.86	19.00	1.300	0.285	22.3
Lon onoon		GI OIL IIIB_00	11110/2010		Head Test d			10.00	1.000	0.200	
Left cheek	20	QPSK 50RB_0	40840/2615	1:1.58	0.404	0.04	18.66	19.00	1.081	0.437	22.3
Left tilted	20	QPSK 50RB 0	40840/2615	1:1.58	0.393	0.13	18.66	19.00	1.081	0.425	22.3
Right cheek	20	QPSK 50RB 0	40840/2615	1:1.58	0.359	-0.03	14.68	15.00	1.076	0.386	22.3
Right tilted	20	QPSK 50RB_0	40840/2615	1:1.58	0.290	-0.05	14.68	15.00	1.076	0.312	22.3
ragin uncu	20	QI OK SOND_0			the worst ca			13.00	1.070	0.512	22.0
Left cheek	20	QPSK 1RB_50	40540/2585	1:1.58	0.408	-0.02	17.99	19.00	1.262	0.515	22.3
Left Crieek	20	QFSK IKB_50		1	the worst ca			19.00	1.202	0.515	22.0
Left cheek	20	QPSK 1RB 50	40540/2585	1:1.58	0.450	0.13	17.99	19.00	1.262	0.568	22.3
Left Cheek	20	QPSK IKB_30			data(Separa			19.00	1.202	0.500	22.3
Frant side	1 00	ODCK ADD 50						20.50	4 040	0.070	00.0
Front side	20	QPSK 1RB_50	40840/2615	1:1.58	0.057	-0.01	19.64	20.50	1.219	0.070	22.3
Back side	20	QPSK 1RB_50	40840/2615	1:1.58	0.078	-0.09	19.64	20.50	1.219	0.095	22.3
Back side	20	QPSK 1RB_50	40240/2555	1:1.58	0.073	-0.18	19.47	20.50	1.268	0.092	22.3
Back side	20	QPSK 1RB_50	40540/2585	1:1.58	0.086	-0.01	19.39	20.50	1.291	0.111	22.3
Back side	20	QPSK 1RB_50	41140/2645	1:1.58	0.058	-0.06	18.38	20.50	1.629	0.094	22.3
	1				ata (Separate			1	1		
Front side	20	QPSK 50RB_0	40840/2615	1:1.58	0.057	-0.07	20.11	20.50	1.094	0.062	22.3
Back side	20	QPSK 50RB_0	40840/2615	1:1.58	0.083	-0.04	20.11	20.50	1.094	0.091	22.3
		т	Body worn T					ı	1		_
Back side	20	QPSK 1RB_50	40840/2615	1:1.58	0.073	-0.06	19.64	20.50	1.219	0.089	22.3
			Body worn T								
Back side	20	QPSK 1RB_50	40840/2615		0.075	-0.04	19.64	20.50	1.219	0.091	22.3
					data(Separa						
Front side	20	QPSK 1RB_50	40840/2615	1:1.58	0.071	-0.06	16.62	17.50	1.225	0.087	22.3
Back side	20	QPSK 1RB_50	40840/2615	1:1.58	0.095	-0.01	16.62	17.50	1.225	0.116	22.3
Left side	20	QPSK 1RB_50	40840/2615	1:1.58	0.085	0.04	16.62	17.50	1.225	0.104	22.3
Right side	20	QPSK 1RB_50	40840/2615	1:1.58	0.022	-0.17	16.62	17.50	1.225	0.027	22.3
Top side	20	QPSK 1RB_50	40840/2615	1:1.58	0.126	-0.01	16.62	17.50	1.225	0.154	22.3
Top side	20	QPSK 1RB_50	40240/2555	1:1.58	0.160	-0.01	16.21	17.50	1.346	0.215	22.3
Top side	20	QPSK 1RB_50	40540/2585	1:1.58	0.130	0.00	16.51	17.50	1.256	0.163	22.3
Top side	20	QPSK 1RB_50	41140/2645	1:1.58	0.115	-0.04	15.77	17.50	1.489	0.171	22.3
				Test dat	a (Separate	10mm 50°	%RB)				
Front side	20	QPSK 50RB_0	40840/2615	1:1.58	0.078	-0.07	17.20	17.50	1.072	0.084	22.3
Back side	20	QPSK 50RB_0	40840/2615	1:1.58	0.098	-0.06	17.20	17.50	1.072	0.104	22.3
Left side	20	QPSK 50RB_0	40840/2615	1:1.58	0.086	-0.06	17.20	17.50	1.072	0.092	22.3
Right side	20	QPSK 50RB 0	40840/2615	1:1.58	0.023	-0.01	17.20	17.50	1.072	0.025	22.3
Top side	20	QPSK 50RB_0	40840/2615	1:1.58	0.138	-0.08	17.20	17.50	1.072	0.148	22.3
					at the worst of						
Top side	20	QPSK 1RB_50	40240/2555	1:1.58	0.106	-0.07	16.21	17.50	1.346	0.143	22.3
, , , , ,					at the worst						
Top side	20	QPSK 1RB_50	40240/2555		0.108	-0.02	16.21	17.50	1.346	0.145	22.3
Top Side	20	MLOV 1KD_20	40240/2000	1.1.36	0.100	-0.02	10.21	17.30	1.340	0.143	22.

Table 59: SAR of LTE Band 41 for Head and Body(Original report E5/2018/C0055).

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

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BW.	Test mode	Test Ch./Freq.	Duty	SAR	D	Conducted	Tune up	Scaled	Scaled	Liquid
20		rest only req.	Cycle	(W/kg)1- g	Power Drift(dB)	power(dBm)				
5		Head Test I	Data at tl	he worst ca	ase with B	attery 2#				
20	QPSK 1RB_50	40240/2555	1:1.58	0.045	0.03	22.14	23.00	1.219	0.055	22.3
20	PCC QPSK 1RB_99	40240/2555	1:1.58	0.022	0.46	21.79	22.00	1 201	0.044	22.2
20	SCC QPSK 1RB_0	40438/2574.8	1:1.58	0.033	-0.16	21.79	23.00	1.321	0.044	22.3
		Head Te	st Data a	t the worst	case with	SIM2				
20	QPSK 1RB_50	40240/2555	1:1.58	0.041	-0.07	22.14	23.00	1.219	0.049	22.3
		3ody worn Test d	ata at the	e worst cas	se (Separa	te 15mm 1RE	3)			
20	QPSK 1RB_50	40840/2615	1:1.58	0.154	-0.03	21.84	23.00	1.306	0.201	22.3
20	PCC QPSK 1RB_0	40840/2615	1:1.58	0.404	0.07	04.50	00.00	4 004	0.050	00.0
20	PCC QPSK 1RB_99	40642/2595.2	1:1.58	0.181	-0.07	21.59	23.00	1.384	0.250	22.3
		Body worn	Test Dat	a at the wo	rst case w	rith SIM2				
20	QPSK 1RB_50	40840/2615	1:1.58	0.153	0.01	21.84	23.00	1.306	0.200	22.3
		Hotspot Test Da	ta at the	worst case	e (Separat	e 10mm 1RB)				
20	QPSK 1RB_50	40240/2555	1:1.58	0.405	0.04	19.15	20.50	1.365	0.553	22.3
20	PCC QPSK 1RB_99	40240/2555	1:1.58							
20	SCC QPSK 1RB 0	40438/2574.8	1:1.58	0.352	0.14	19.37	20.50	1.297	0.457	22.3
		Hotspot T	est Data	at the wor	st case wi	th SIM2				
20	QPSK 1RB 50	40240/2555	1:1.58	0.391	-0.04	19.15	20.50	1.365	0.534	22.3
	_		An	t2 Test da	ta					
BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1- g	Power Drift(dB)	Conducted power(dBm)				Liquid Temp.
		Head Test	Data at t	he worst ca	ase with B	attery 3#		41		
20	QPSK 1RB_50	40540/2585	1:1.58	0.462	-0.08	17.99	19.00	1.262	0.583	22.3
20	PCC QPSK 1RB_0	40540/2585	1:1.58							
20	SCC QPSK 1RB_99	40342/2565.2	1:1.58	0.371	0.09	17.57	19.00	1.390	0.516	22.3
		Head Te	st Data a	t the worst	case with	SIM2				
20	QPSK 1RB_50	40540/2585	1:1.58	0.453	-0.05	17.99	19.00	1.262	0.572	22.3
	Body	worn Test data a	t the wor	st case (S	eparate 15	mm 1RB_50	offset)			
20	QPSK 1RB_50	40540/2585	1:1.58	0.095	-0.05	19.39	20.50	1.291	0.122	22.3
20	PCC QPSK 1RB_0	40540/2585	1:1.58							
20	SCC QPSK 1RB_99	40342/2565.2	1:1.58	0.092	-0.07	18.98	20.50	1.419	0.131	22.3
		Body worn	Test Dat	a at the wo	rst case w	rith SIM2				
20	QPSK 1RB_50	40540/2585	1:1.58	0.088	0.02	19.39	20.50	1.291	0.114	22.3
1										
20	QPSK 1RB_50	40240/2555	1:1.58	0.166	0.04	16.21	17.50	1.346	0.223	22.3
20	PCC QPSK 1RB_99	40240/2555	1:1.58	0.40-	0.00			1		
20	SCC QPSK 1RB_0	40438/2574.8	1:1.58	0.165	-0.02	15.91	17.50	1.442	0.238	22.3
		Hotspot T	1	at the wor	st case wi	th SIM2				
	20 20 20 20 20 20 20 20 20 20 20 20 20 2	20 QPSK 1RB_50 20 PCC QPSK 1RB_99 20 PCC QPSK 1RB_99 20 QPSK 1RB_50 20 QPSK 1RB_50 20 PCC QPSK 1RB_99 20 SCC QPSK 1RB_99 20 QPSK 1RB_50 20 QPSK 1RB_50 20 QPSK 1RB_50 20 QPSK 1RB_50 20 PCC QPSK 1RB_99 20 QPSK 1RB_99 20 QPSK 1RB_50 20 QPSK 1RB_99 20 QPSK 1RB_50 20 QPSK 1RB_50 20 QPSK 1RB_50 20 QPSK 1RB_99	Body worn Test d 20 QPSK 1RB_50	Body worn Test data at the 20 QPSK 1RB_50	Body worn Test data at the worst case 20	Body worn Test data at the worst case (Separate 20	Body worn Test data at the worst case (Separate 15mm 1RE 20 QPSK 1RB_50	Body worn Test data at the worst case (Separate 15mm 1RB)	Body worn Test data at the worst case (Separate 15mm 1RB)	Body wom Test data at the worst case (Separate 15mm 1RB)

Table 60: SAR of LTE Band 41 for Head and Body(Variant)

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B
- 2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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8.3.15 SAR Result of 2.4GHz WIFI

					1 Test data						
Test position	Test	Test	Duty	Duty Cycle	SAR		Conducted				Liquid
•	mode	Ch./Freq.	Cycle	Scaled factor	d Test data	ariit(aB)	power(dBm)	Limit(dBm)	tactor	SAR(W/kg)	Temp.
Left cheek	802.11b	6/2437	99.09%	1.009	0.377	-0.14	15.28	16.50	1.324	0.504	22.0
Left tilted					0.377				1.324	0.617	1
	802.11b 802.11b	6/2437	99.09%	1.009 1.009		-0.03	15.28	16.50			22.0
Right cheek		6/2437	99.09%		0.219	0.12	15.28	16.50	1.324	0.293	22.0
Right tilted	802.11b	6/2437	99.09%	1.009	0.291	0.05	15.28	16.50	1.324	0.389	22.0
Left tilted	802.11b	1/2412	99.09%	1.009	0.461	-0.16	15.16	16.50	1.361	0.633	22.0
Left tilted	802.11b	11/2462	99.09%	1.009	0.307	0.02	15.25	16.50	1.334	0.413	22.0
1 -4: 1:11	000 445	4/0440		Test Data at the				40.50	4 004	0.000	22.0
Left tilted	802.11b	1/2412	99.09%	1.009	0.457	-0.19	15.16	16.50	1.361	0.622	22.0
l oft tiltod	000 116	1/0410		Test Data at the		1		10.50	1 261	0.500	22.0
Left tilted	802.11b	1/2412	99.09%	1.009	0.439	0.08	15.16	16.50	1.361	0.598	22.0
Encotada.	000 441	0/0407		Body worn Test				40.50	4 000	0.405	00.0
Front side	802.11b	6/2437	99.09%	1.009	0.096	0.07	18.36	19.50	1.300	0.125	22.0
Back side	802.11b	6/2437	99.09%	1.009	0.124	-0.05	18.36	19.50	1.300	0.163	22.0
Back side	802.11b	1/2412	99.09%	1.009	0.135	-0.04	18.24	19.50	1.337	0.182	22.0
Back side	802.11b	11/2462	99.09%	1.009	0.073	0.03	17.89	18.00	1.026	0.076	22.0
	1 1		•	orn Test Data at		1	· · · · · · · · · · · · · · · · · · ·	I			T
Back side	802.11b	1/2412	99.09%	1.009	0.133	0.19	18.24	19.50	1.337	0.178	22.0
				orn Test Data at			1	Π			1
Back side	802.11b	1/2412	99.09%	1.009	0.125	-0.05	18.24	19.50	1.337	0.167	22.0
				Hotspot Test d							т
Front side	802.11b	6/2437	99.09%	1.009	0.167	0.06	18.36	19.50	1.300	0.219	22.0
Back side	802.11b	6/2437	99.09%	1.009	0.223	-0.04	18.36	19.50	1.300	0.293	22.0
Right side	802.11b	6/2437	99.09%	1.009	0.136	-0.15	18.36	19.50	1.300	0.178	22.0
Top side	802.11b	6/2437	99.09%	1.009	0.437	0.10	18.36	19.50	1.300	0.573	22.0
Top side	802.11b	1/2412	99.09%	1.009	0.475	0.03	18.24	19.50	1.337	0.641	22.0
Top side	802.11b	11/2462	99.09%	1.009	0.219	0.15	17.89	18.00	1.026	0.227	22.0
			Hotspo	ot Test Data at th	ne worst cas	e with Ba	ttery 2#				
Top side	802.11b	1/2412	99.09%	1.009	0.357	-0.03	18.24	19.50	1.337	0.477	22.0
			Hotspo	ot Test Data at th	ne worst cas	e with Ba	attery 3#				
Top side	802.11b	1/2412	99.09%	1.009	0.400	0.03	18.24	19.50	1.337	0.535	22.0
		_			2 Test data				<u> </u>		
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1 g		Conducted				Liquid Temp.
	illoue	CII./Fieq.	Cycle		d Test data	urnit(ub)	power (ubili)	Lillill(ubili)	iactor	SAN(W/Ng)	remp.
Left cheek	802.11b	1/2412	98.85%	1.012	0.008	-0.04	17.44	19.00	1.432	0.012	22.0
Left tilted	802.11b	1/2412	98.85%	1.012	0.004	-0.07	17.44	19.00	1.432	0.006	22.0
Right cheek	802.11b	1/2412	98.85%	1.012	0.045	0.02	17.44	19.00	1.432	0.066	22.0
Right tilted	802.11b	1/2412	98.85%	1.012	0.043	0.02	17.44	19.00	1.432	0.037	22.0
Right cheek		6/2437		1.012					1.432	0.037	
	802.11b		98.85%		0.046	0.06	17.09	19.00			22.0
Right cheek	802.11b	11/2462	98.85%	1.012	0.046	0.00	17.89	18.00	1.026	0.048	22.0
D'abrahasala	000 441	0/0407		Test Data at the				40.00	4 550	0.074	00.0
Right cheek	802.11b	6/2437	98.85%	1.012	0.046	0.03	17.09	19.00	1.552	0.071	22.0
Dialet alica di	000 441	0/0407		Test Data at the				40.00	4 550	0.000	00.0
Right cheek	802.11b	6/2437	98.85%	1.012	0.044	0.12	17.09	19.00	1.552	0.069	22.0
	000	4/0::0		Body worn Test			r	40.00	1.655	0.00=	00.0
Front side	802.11b	1/2412	98.85%	1.012	0.006	-0.06	18.08	19.00	1.236	0.007	22.0
Back side	802.11b	1/2412	98.85%	1.012	0.040	-0.02	18.08	19.00	1.236	0.050	22.0
Back side	802.11b	6/2437	98.85%	1.012	0.047	-0.05	17.67	19.00	1.358	0.065	22.0

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Back side	802.11b	11/2462	98.85%	1.012	0.045	-0.07	17.65	18.00	1.084	0.050	22.0
			Body wo	orn Test Data at	the worst ca	ase with E	Sattery 2#				
Back side	802.11b	6/2437	98.85%	1.012	0.029	-0.05	17.67	19.00	1.358	0.040	22.0
			Body w	orn Test Data at	the worst c	ase with E	Battery 3#				
Back side	802.11b	6/2437	98.85%	1.012	0.037	-0.04	17.67	19.00	1.358	0.050	22.0
				Hotspot Test d	ata (Separa	te 10mm)					
Front side	802.11b	1/2412	98.85%	1.012	0.007	0.12	18.08	19.00	1.236	0.009	22.0
Back side	802.11b	1/2412	98.85%	1.012	0.080	-0.03	18.08	19.00	1.236	0.100	22.0
Left side	802.11b	1/2412	98.85%	1.012	0.026	-0.03	18.08	19.00	1.236	0.033	22.0
Top side	802.11b	1/2412	98.85%	1.012	0.003	-0.04	18.08	19.00	1.236	0.003	22.0
Back side	802.11b	6/2437	98.85%	1.012	0.084	-0.03	17.67	19.00	1.358	0.116	22.0
Back side	802.11b	11/2462	98.85%	1.012	0.114	-0.19	17.65	18.00	1.084	0.125	22.0
			Hotspo	ot Test Data at th	ne worst cas	se with Ba	ttery 2#				
Back side	802.11b	11/2462	98.85%	1.012	0.105	-0.03	17.65	18.00	1.084	0.114	22.0
			Hotspo	ot Test Data at th	ne worst cas	se with Ba	ttery 3#				
Back side	802.11b	11/2462	98.85%	1.012	0.090	-0.01	17.65	18.00	1.084	0.097	22.0

Table 61: SAR of 2.4GHz WIFI for Head and Body(Original report E5/2018/C0055).

				WiFi '	1 Test data			<i>'</i>				
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g		Conducted power(dBm)			Scaled SAR(W/kg)	Liquid Temp.	
				Head Test dat	ta at the wo	rst case						
Left tilted	802.11b	1/2412	99.09%	1.009	0.550	0.09	15.16	16.50	1.361	0.756	22.0	
			Body wor	n Test data at th	e worst cas	e (Separa	ate 15mm)					
Back side	802.11b	1/2412	99.09%	1.009	0.115	-0.07	18.24	19.50	1.337	0.155	22.0	
			Hotspot	Test data at the	worst case	(Separat	e 10mm)					
Top side	802.11b	1/2412	99.09%	1.009	0.520	-0.06	18.24	19.50	1.337	0.701	22.0	
WiFi 2 Test data												
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g		Conducted power(dBm)			Scaled SAR(W/kg)	Liquid Temp.	
				Head Test da	ta at the wo	rst case						
Right cheek	802.11b	6/2437	98.85%	1.012	0.098	-0.04	17.09	19.00	1.552	0.154	22.0	
			Body wor	n Test data at th	e worst cas	e (Separa	ate 15mm)					
Back side	802.11b	6/2437	98.85%	1.012	0.076	-0.05	17.67	19.00	1.358	0.104	22.0	
·			Hotspot	Test data at the	worst case	(Separat	e 10mm)					
Back side	802.11b	11/2462	98.85%	1.012	0.226	-0.07	17.65	18.00	1.084	0.248	22.0	

Table 62: SAR of 2.4GHz WIFI for Head and Body(Original report E5/2018/C0055).

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Test position	Test mode	Test Ch./Freq.	Duty	WiFi '	1 Test data						
Test position			•	Duty Cycle							
			Cycle	Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)		Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
				Head Test dat	ta at the wo	rst case					
Left tilted 80	02.11b	1/2412	99.09%	1.009	0.553	0.07	15.16	16.50	1.361	0.760	22.0
			Body wor	n Test data at th	e worst cas	e (Separ	ate 15mm)				
Back side 80	02.11b	1/2412	99.09%	1.009	0.147	-0.07	18.24	19.50	1.337	0.198	22.0
			Hotspot	Test data at the	worst case	(Separat	e 10mm)				
Top side 80	02.11b	1/2412	99.09%	1.009	0.584	-0.17	18.24	19.50	1.337	0.788	22.0
<u>.</u>				WiFi 2	2 Test data						
Test nosition	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)		Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
				Head Test da	ta at the wo	rst case					
Right cheek 80	02.11b	6/2437	98.85%	1.012	0.063	-0.11	17.09	19.00	1.552	0.099	22.0
			Body wor	n Test data at th	e worst cas	e (Separ	ate 15mm)				
Back side 80	02.11b	6/2437	98.85%	1.012	0.122	-0.03	17.67	19.00	1.358	0.168	22.0
	•		Hotspot	Test data at the	worst case	(Separat	te 10mm)		•	•	
Back side 80	02.11b	11/2462	98.85%	1.012	0.263	-0.01	17.65	18.00	1.084	0.288	22.0

Table 63: SAR of 2.4GHz WIFI for Head and Body(Variant)

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B
- If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test 2) configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).
- Each channel was tested at the lowest data rate.
- When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, 802.11g/n OFDM SAR Test is not required.

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8.3.16 SAR Result of 5GHz WIFI

					WiFi 1 Test						
Test position	Test mode	Test Ch./Freg.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)		Scaled factor		Liquid Temp.
					ad Test data		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			- (· J/)	
Left cheek	802.11ac-80M	58/5290	91.32%	1.095	0.131	0.08	9.21	11.00	1.510	0.217	22.0
Left tilted	802.11ac-80M	58/5290	91.32%	1.095	0.178	0.01	9.21	11.00	1.510	0.294	22.0
Right cheek	802.11ac-80M	58/5290	91.32%	1.095	0.113	-0.04	9.21	11.00	1.510	0.187	22.0
Right tilted	802.11ac-80M	58/5290	91.32%	1.095	0.151	-0.02	9.21	11.00	1.510	0.250	22.0
				Hea	ad Test data	U-NII-2C					
Left cheek	802.11ac-80M	138/5690	91.32%	1.095	0.239	0.03	7.32	9.00	1.472	0.385	22.0
Left tilted	802.11ac-80M	138/5690	91.32%	1.095	0.320	0.01	7.32	9.00	1.472	0.516	22.0
Right cheek	802.11ac-80M	138/5690	91.32%	1.095	0.148	-0.02	7.32	9.00	1.472	0.239	22.0
Right tilted	802.11ac-80M	138/5690	91.32%	1.095	0.176	0.07	7.32	9.00	1.472	0.284	22.0
Left tilted	802.11ac-80M	106/5530	91.32%	1.095	0.204	0.01	7.24	9.00	1.500	0.335	22.0
Left tilted	802.11ac-80M	122/5610	91.32%	1.095	0.243	0.12	7.14	9.00	1.535	0.408	22.0
	•			He	ad Test data	U-NII-3			•		
Left cheek	802.11ac-80M	155/5775	91.32%	1.095	0.253	0.09	7.38	9.00	1.452	0.402	22.0
Left tilted	802.11ac-80M	155/5775	91.32%	1.095	0.317	-0.12	7.38	9.00	1.452	0.504	22.0
Right cheek	802.11ac-80M	155/5775	91.32%	1.095	0.150	0.07	7.38	9.00	1.452	0.239	22.0
Right tilted	802.11ac-80M	155/5775	91.32%	1.095	0.176	0.19	7.38	9.00	1.452	0.280	22.0
				lead Test Data	at the worst	case with	Battery 2#				
Left tilted	802.11ac-80M	138/5690		1.095	0.303	0.02	7.38	9.00	1.452	0.440	22.0
			V	lead Test Data	at the worst	case with	Battery 3#				
Left tilted	802.11ac-80M	138/5690	91.32%	1.095	0.318	0.03	7.38	9.00	1.452	0.462	22.0
				Body worn Tes	t data U-NII-	2A(Separa	te 15mm)				
Front side	802.11a	56/5280	93.11%	1.074	0.025	0.01	15.41	17.00	1.442	0.039	22.0
Back side	802.11a	56/5280	93.11%	1.074	0.057	-0.14	15.41	17.00	1.442	0.088	22.0
Back side	802.11a	52/5260	93.11%	1.074	0.025	0.00	15.28	17.00	1.486	0.040	22.0
Back side	802.11a	64/5320	93.11%	1.074	0.013	0.05	12.36	14.00	1.459	0.021	22.0
			•	Body worn Tes	t data U-NII-	2C(Separa	te 15mm)				
Front side	802.11a	136/5680	93.11%	1.074	0.084	0.12	15.31	17.00	1.476	0.133	22.0
Back side	802.11a	136/5680	93.11%	1.074	0.154	0.10	15.31	17.00	1.476	0.244	22.0
Back side	802.11a	104/5520	93.11%	1.074	0.075	0.15	15.18	17.00	1.521	0.123	22.0
Back side	802.11a	116/5580	93.11%	1.074	0.091	0.08	15.28	17.00	1.486	0.146	22.0
Back side	802.11a	100/5500	93.11%	1.074	0.032	0.08	12.33	14.00	1.469	0.050	22.0
Back side	802.11a	144/5720	93.11%	1.074	0.048	0.00	12.41	14.00	1.442	0.074	22.0
				Body worn Te	st data U-NII	-3(Separat	e 15mm)				
Front side	802.11a	149/5745	93.11%	1.074	0.077	0.13	15.54	17.00	1.400	0.116	22.0
Back side	802.11a	149/5745	93.11%	1.074	0.140	0.12	15.54	17.00	1.400	0.210	22.0
Back side	802.11a	157/5785	93.11%	1.074	0.109	-0.08	15.29	17.00	1.483	0.174	22.0
Back side	802.11a	165/5825	93.11%	1.074	0.103	0.02	15.24	17.00	1.500	0.166	22.0
76			E	Body worn Data	a at the wors	t case with	Battery 2#				
Back side	802.11a	136/5680	93.11%	1.074	0.143	0.00	15.31	17.00	1.476	0.211	22.0
			E	Body worn Data	a at the wors	t case with	Battery 3#				
Back side	802.11a	136/5680	93.11%	1.074	0.142	0.19	15.31	17.00	1.476	0.210	22.0
				Hotspot Test	t data U-NII-	(Separate	10mm)				
Front side	802.11a	44/5220	93.11%	1.074	0.032	0.12	15.25	17.00	1.496	0.051	22.0
Back side	802.11a	44/5220	93.11%	1.074	0.075	-0.18	15.25	17.00	1.496	0.121	22.0
Right side	802.11a	44/5220	93.11%	1.074	0.023	-0.03	15.25	17.00	1.496	0.037	22.0
Top side	802.11a	44/5220	93.11%	1.074	0.120	0.12	15.25	17.00	1.496	0.193	22.0
Top side	802.11a	36/5180	93.11%	1.074	0.026	0.09	12.27	14.00	1.489	0.042	22.0
Top side	802.11a	48/5240	93.11%	1.074	0.061	0.02	15.02	17.00	1.578	0.103	22.0

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Hotspot Test data L.M.H. Stoppartes forms												
Back side 802.11a					Hotspot Test	t data U-NII-3	3(Separate	10mm)				
Right side 802.11a	Front side	802.11a	149/5745	93.11%	1.074	0.154	0.11	15.54	17.00	1.400	0.231	22.0
Top side	Back side	802.11a	149/5745	93.11%	1.074	0.231	0.13	15.54	17.00	1.400	0.347	22.0
Top side 802.11a 167/5785 33.11% 1.074 0.298 -0.09 15.29 17.00 1.483 0.492 2.20	Right side	802.11a	149/5745	93.11%	1.074	0.086	0.07	15.54	17.00	1.400	0.129	22.0
Top side	Top side	802.11a	149/5745	93.11%	1.074	0.466	-0.06	15.54	17.00	1.400	0.700	22.0
Hotspot Test Data at the worst Case with Battery 2#. Top side 802.11a 149/5745 \$33.11% 1.074 0.376 0.17 1.544 17.00 1.400 0.526 22.0 Top side 802.11a 149/5745 \$33.11% 1.074 0.328 -0.13 1.5.54 17.00 1.400 0.459 22.0 Test Data mode Test Duty Duty Cycle Scaled Cace Ca	Top side	802.11a	157/5785	93.11%	1.074	0.309	-0.09	15.29	17.00	1.483	0.492	22.0
Top side	Top side		165/5825	93.11%	1.074	0.298	-0.03	15.24	17.00	1.500	0.480	22.0
Hotspott Test Data at the worst case with Battery 3#			1	H	otspot Test Da	ta at the wors	st case with	n Battery 2#				
Top side	Top side	802.11a	149/5745					1	17.00	1.400	0.526	22.0
Test mode Ch./Fet Cycle S.AR Power Conducted Tune up Scaled Scaled Ch./Fet Cycle Scaled Scale			III	Н	otspot Test Da	ta at the wors	st case with	n Battery 3#		26		
	Top side	802.11a	149/5745	93.11%	1.074	0.328	-0.13	15.54	17.00	1.400	0.459	22.0
Position Clycle Scaled Factor Clycle	Test	Tost mode	Test	Duty	Duty Cycle	SAR				Scaled	Scaled	Liquid
Front side 802.11a 56/5280 93.11% 1.074 0.334 0.09 15.41 17.00 1.442 0.517 22.0 Back side 802.11a 566/5280 93.11% 1.074 0.278 -0.16 15.41 17.00 1.442 0.431 22.0 Right side 802.11a 566/5280 93.11% 1.074 0.303 0.05 15.41 17.00 1.442 0.030 0.06 22.0 Top side 802.11a 56/5280 93.11% 1.074 0.505 0.08 15.41 17.00 1.442 0.860 0.060 22.0 Top side 802.11a 56/5280 93.11% 1.074 0.505 0.08 15.28 17.00 1.486 0.806 22.0 Top side 802.11a 156/5280 93.11% 1.074 0.505 0.08 15.28 17.00 1.486 0.806 22.0 Top side 802.11a 136/5680 93.11% 1.074 0.275 0.12 12.36 17.00 1.486 0.806 22.0 Top side 802.11a 136/5680 93.11% 1.074 0.275 0.02 12.36 17.00 1.476 0.991 22.0 Right side 802.11a 136/5680 93.11% 1.074 0.881 0.00 15.31 17.00 1.476 0.892 22.0 Right side 802.11a 136/5680 93.11% 1.074 0.563 0.07 15.31 17.00 1.476 0.892 22.0 Right side 802.11a 136/5680 93.11% 1.074 0.563 0.07 15.31 17.00 1.476 0.892 22.0 Right side 802.11a 136/5680 93.11% 1.074 0.563 0.07 15.31 17.00 1.476 0.892 22.0 Right side 802.11a 146/520 93.11% 1.074 0.563 0.07 15.31 17.00 1.476 0.892 22.0 Top side 802.11a 146/520 93.11% 1.074 0.743 0.00 15.51 17.00 1.476 1.426 22.0 Top side 802.11a 146/520 93.11% 1.074 0.743 0.00 15.51 17.00 1.476 1.426 22.0 Top side 802.11a 16/5580 93.11% 1.074 0.743 0.00 15.28 17.00 1.476 1.426 22.0 Top side 802.11a 16/5580 93.11% 1.074 0.743 0.740 0.09 12.33 14.00 1.469 0.562 22.0 Top side 802.11a 16/5580 93.11% 1.074 0.743 0.740 0.09 12.33 14.00 1.466 1.245 22.0 Top side 802.11a 136/5680 93.11% 1.074 0.745 0.745 0.09 12.31 17.00 1.476 1.29 2.0 **Top side 802.11a 16/5580 93.11% 1.074 0.745 0.	position	rest mode	Ch./Freq.							factor	SAR(W/kg)	Temp.
Back side 802.11a 56/5280 93.11% 1.074 0.278 -0.16 15.41 17.00 1.442 0.431 22.0		1			1			i i				1
Right side 802.11a 56/5280 93.11% 1.074 0.030 0.05 15.41 17.00 1.442 0.046 22.0		802.11a		93.11%			0.09	15.41	17.00		0.517	
Top side 802.11a 56/5280 93.11% 1.074 0.523 0.09 15.41 17.00 1.442 0.810 22.0 Top side 802.11a 52/5260 93.11% 1.074 0.505 0.08 15.28 17.00 1.486 0.806 22.0 repoduct specific 10gSAR Test data U-NII-2C (Separate Omm) Front side 802.11a 136/5680 93.11% 1.074 0.881 0.00 15.31 17.00 1.476 1.396 22.0 Right side 802.11a 136/5680 93.11% 1.074 0.563 0.17 15.31 17.00 1.476 0.892 22.0 Right side 802.11a 136/5680 93.11% 1.074 0.900 0.01 15.31 17.00 1.476 0.185 22.0 Top side 802.11a 136/5680 93.11% 1.074 0.900 0.01 15.31 17.00 1.476 0.185 22.0 Top side 802.11a 104/5520 93.11% 1.074 0.900 0.01 15.31 17.00 1.476 1.426 22.0 Top side 802.11a 104/550 93.11% 1.074 0.900 0.01 15.31 17.00 1.476 1.426 22.0 Top side 802.11a 104/550 93.11% 1.074 0.900 0.01 15.31 17.00 1.476 1.426 22.0 Top side 802.11a 104/550 93.11% 1.074 0.743 0.10 15.18 17.00 1.476 1.213 22.0 Top side 802.11a 100/550 93.11% 1.074 0.356 0.09 12.33 14.00 1.521 1.213 22.0 Top side 802.11a 136/5680 93.11% 1.074 0.356 0.09 12.33 14.00 1.469 0.562 22.0 Top side 802.11a 136/5680 93.11% 1.074 0.367 0.09 12.41 14.00 1.426 0.537 22.0 Froduct specific 10gSAR Test Data at the worst case with Battery 2# Top side 802.11a 136/5680 93.11% 1.074 0.765 0.18 15.31 17.00 1.476 1.129 22.0 Froduct specific 10gSAR Test Data at the worst case with Battery 2# Top side 802.11a 136/5680 93.11% 1.074 0.765 0.18 15.31 17.00 1.476 1.200 22.0 Fleat Test mode	Back side	802.11a	56/5280	93.11%	1.074	0.278	-0.16	15.41	17.00	1.442	0.431	22.0
Top side 802.11a 52/5260 93.11% 1.074 0.505 0.08 15.28 17.00 1.486 0.806 22.0 Top side 802.11a 64/5320 93.11% 1.074 0.275 0.12 12.36 17.00 2.911 0.860 22.0 Product specific 10gSAR Test data U-NII-2C(Separate Own) Front side 802.11a 136/580 93.11% 1.074 0.881 0.00 15.31 17.00 1.476 0.892 22.0 Back side 802.11a 136/580 93.11% 1.074 0.563 0.17 15.31 17.00 1.476 0.892 22.0 Right side 802.11a 136/580 93.11% 1.074 0.963 0.17 15.31 17.00 1.476 0.892 22.0 Top side 802.11a 136/580 93.11% 1.074 0.90 0.01 15.31 17.00 1.476 1.426 22.0 Top side 802.11a 116/550 93.11% 1.074 0.900 0.01 15.31 17.00 1.476 1.426 22.0 Top side 802.11a 116/550 93.11% 1.074 0.743 0.10 15.18 17.00 1.476 1.426 22.0 Top side 802.11a 116/550 93.11% 1.074 0.740 0.00 0.05 15.28 17.00 1.486 1.245 22.0 Top side 802.11a 116/550 93.11% 1.074 0.780 0.05 15.28 17.00 1.486 0.562 22.0 Top side 802.11a 144/5720 93.11% 1.074 0.356 0.09 12.33 14.00 1.469 0.562 22.0 Top side 802.11a 136/580 93.11% 1.074 0.356 0.09 12.33 14.00 1.469 0.562 22.0 Top side 802.11a 136/580 93.11% 1.074 0.365 0.09 12.33 14.00 1.469 0.562 22.0 Top side 802.11a 136/580 93.11% 1.074 0.365 0.09 12.31 17.00 1.476 1.20 22.0 Froduct specific 10gSAR Test Data at the worst case with Battery 2# Top side 802.11a 136/580 93.11% 1.074 0.780 0.08 15.31 17.00 1.476 1.20 22.0 Froduct specific 10gSAR Test Data at the worst case with Battery 3# Test mode 802.11a 136/580 93.11% 1.074 0.833 0.13 15.31 17.00 1.476 1.200 22.0 Fest mode 802.11a 10.00 54/5270 91.74% 1.09 0.090 0.09 9.79 11.00 1.321 0.130 22.0 Fleat Test data U-NII-2A Left tilted 802.11n 40M 54/5270 91.74% 1.09 0.104 0.08 9.79 11.00 1.321 0.130 1.22 0.043 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.1567 0.03 8.89 10.00 1.291 0.222 0.045 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.340 0.11 1.013 11.00 1.222 0.445 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.473 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.473 22.0 Right tilted 802.	Right side	802.11a	56/5280	93.11%	1.074	0.030	0.05	15.41	17.00	1.442	0.046	22.0
Top side 802.11a 64/5320 93.11% 1.074 0.275 0.12 12.36 17.00 2.911 0.860 22.0 Product specific 10gSAR Test data U-NII-2C(Separate Omm) Profit Side 802.11a 136/5680 93.11% 1.074 0.881 0.00 15.31 17.00 1.476 0.892 22.0	Top side		56/5280	93.11%	1.074	0.523	0.09	15.41	17.00	1.442	0.810	22.0
Front side 802.11a 136/5680 93.11% 1.074 0.881 0.00 15.31 17.00 1.476 1.396 22.0 Right side 802.11a 136/5680 93.11% 1.074 0.563 0.17 15.31 17.00 1.476 0.892 22.0 Right side 802.11a 136/5680 93.11% 1.074 0.900 0.01 15.31 17.00 1.476 0.185 22.0 Top side 802.11a 136/5680 93.11% 1.074 0.900 0.01 15.31 17.00 1.476 1.426 22.0 Top side 802.11a 116/5580 93.11% 1.074 0.900 0.01 15.31 17.00 1.476 1.426 22.0 Top side 802.11a 116/5580 93.11% 1.074 0.743 0.10 15.88 17.00 1.466 1.425 22.0 Top side 802.11a 116/5580 93.11% 1.074 0.780 0.05 15.28 17.00 1.466 1.245 22.0 Top side 802.11a 116/5580 93.11% 1.074 0.356 0.09 12.33 14.00 1.469 0.562 22.0 Top side 802.11a 144/5720 93.11% 1.074 0.347 0.09 12.41 14.00 1.442 0.537 22.0 Top side 802.11a 144/5720 93.11% 1.074 0.347 0.09 12.41 14.00 1.442 0.537 22.0 Top side 802.11a 136/5680 93.11% 1.074 0.365 0.09 12.33 14.00 1.469 0.562 22.0 Top side 802.11a 136/5680 93.11% 1.074 0.365 0.18 15.31 17.00 1.476 1.129 22.0 ***Top side 802.11a 136/5680 93.11% 1.074 0.765 0.18 15.31 17.00 1.476 1.129 22.0 ***Top side 802.11a 136/5680 93.11% 1.074 0.813 0.13 15.31 17.00 1.476 1.200 22.0 ***WiFi 2 Test data** Test mode Test mode Test mode Chyle Cycle Scaled factor (Wikg)1-9 drift(dB) power(dBm) Limit(dBm) factor SAR(Wikg) Temp. **Head Test data U-NII-2A** Left cheek 802.11n 40M 54/5270 91.74% 1.09 0.090 0.09 9.79 11.00 1.321 0.130 22.0 Right tilted 802.11n 40M 64/5270 91.74% 1.09 0.356 0.09 9.79 11.00 1.321 0.432 2.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.245 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.445 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.453 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.453 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.453 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.259 0.13 8.86 10.00 1.201 0.300 0.367 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09	•	802.11a	52/5260	93.11%		0.505	0.08	15.28	17.00	1.486	0.806	22.0
Front side	Top side	802.11a	64/5320	93.11%	1.074	0.275	0.12	12.36	17.00	2.911	0.860	22.0
Back side 802.11a 136/5680 93.11% 1.074 0.563 0.17 15.31 17.00 1.476 0.892 22.0				produ	ct specific 10gS	SAR Test data	a U-NII-2C	(Separate 0mi	m)			
Right side 802.11a 136/5680 93.11% 1.074 0.117 0.09 15.31 17.00 1.476 0.185 22.0	Front side	802.11a	136/5680	93.11%	1.074	0.881	0.00	15.31	17.00	1.476	1.396	22.0
Top side 802.11a 136/5680 93.11% 1.074 0.900 0.01 15.31 17.00 1.476 1.426 22.0 Top side 802.11a 104/5520 93.11% 1.074 0.743 0.10 15.18 17.00 1.521 1.213 22.0 Top side 802.11a 116/580 93.11% 1.074 0.780 0.05 15.28 17.00 1.486 1.245 22.0 Top side 802.11a 100/5500 93.11% 1.074 0.356 0.09 12.33 14.00 1.469 0.562 22.0 Top side 802.11a 144/5720 93.11% 1.074 0.356 0.09 12.33 14.00 1.469 0.562 22.0 Top side 802.11a 136/5680 93.11% 1.074 0.347 0.09 12.41 14.00 1.442 0.537 22.0 **Top side 802.11a 136/5680 93.11% 1.074 0.765 0.18 15.31 17.00 1.476 1.129 22.0 **Top side 802.11a 136/5680 93.11% 1.074 0.765 0.18 15.31 17.00 1.476 1.129 22.0 **Top side 802.11a 136/5680 93.11% 1.074 0.765 0.18 15.31 17.00 1.476 1.200 22.0 **Top side 802.11a 136/5680 93.11% 1.074 0.813 0.13 15.31 17.00 1.476 1.200 22.0 **Top side 802.11a 136/5680 93.11% 1.074 0.813 0.13 15.31 17.00 1.476 1.200 22.0 **Top side 802.11a 136/5680 93.11% 1.074 0.813 0.13 15.31 17.00 1.476 1.200 22.0 **Top side 802.11a 136/5680 93.11% 1.074 0.813 0.13 15.31 17.00 1.476 1.200 22.0 **Top side 802.11a 136/5680 93.11% 1.074 0.813 0.13 15.31 17.00 1.476 1.200 22.0 **Wife 2 Test data **Top side 802.11a 136/5680 93.11% 1.094 0.813 0.13 15.31 17.00 1.476 1.200 22.0 **Wife 2 Test data **Test mode Ch_/Freq. Cycle SAR Power Conducted power(dBm) Limit(dBm) factor SAR(W/kg) Liquid power(dBm) Limit(dBm) factor SAR(W/kg) 1.09 0.090 0.09 9.79 11.00 1.321 0.130 22.0 **Left tilted 802.11n 40M 54/5270 91.74% 1.09 0.090 0.09 9.79 11.00 1.321 0.130 22.0 **Right tilted 802.11n 40M 54/5270 91.74% 1.09 0.304 0.09 9.79 11.00 1.321 0.438 22.0 **Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.364 0.09 9.79 11.00 1.321 0.438 22.0 **Left tilted 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.245 22.0 **Left tilted 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.445 22.0 **Left tilted 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.445 22.0 **Left tilted 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.453 22.0 **R	Back side	802.11a	136/5680	93.11%	1.074	0.563	0.17	15.31	17.00	1.476	0.892	22.0
Top side	Right side	802.11a	136/5680	93.11%	1.074	0.117	0.09	15.31	17.00	1.476	0.185	22.0
Top side 802.11a 116/5580 93.11% 1.074 0.780 0.05 15.28 17.00 1.486 1.245 22.0 Top side 802.11a 100/5500 93.11% 1.074 0.356 0.09 12.33 14.00 1.469 0.562 22.0 Top side 802.11a 144/5720 93.11% 1.074 0.347 0.09 12.41 14.00 1.442 0.537 22.0 **Product specific 10gSAR Test Data at the worst case with Battery 2#** Top side 802.11a 136/5680 93.11% 1.074 0.765 0.18 15.31 17.00 1.476 1.129 22.0 **Product specific 10gSAR Test Data at the worst case with Battery 3#** Top side 802.11a 136/5680 93.11% 1.074 0.765 0.18 15.31 17.00 1.476 1.129 22.0 **Product specific 10gSAR Test Data at the worst case with Battery 3#** Top side 802.11a 136/5680 93.11% 1.074 0.813 0.13 15.31 17.00 1.476 1.200 22.0 **WiFi 2 Test data** **Test mode Ch./Freq.** Duty Cycle Scaled factor (W/kg)1-g drift(dB) power(dBm) Limit(dBm) factor SAR(W/kg) Temp.** Head Test data U-NII-2A Left cheek 802.11n 40M 54/5270 91.74% 1.09 0.090 0.09 9.79 11.00 1.321 0.130 22.0 Right cheek 802.11n 40M 54/5270 91.74% 1.09 0.262 0.04 9.79 11.00 1.321 0.130 22.0 Right titled 802.11n 40M 54/5270 91.74% 1.09 0.304 0.09 9.79 11.00 1.321 0.377 22.0 Right titled 802.11n 40M 62/5310 91.74% 1.09 0.157 -0.03 8.89 10.00 1.291 0.221 22.0 Head Test data U-NII-2C Left titled 802.11n 40M 134/5670 91.74% 1.09 0.184 0.09 10.13 11.00 1.222 0.245 22.0 Head Test data U-NII-2C Left titled 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.316 22.0 Right titled 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.473 22.0 Right titled 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.473 22.0 Right titled 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.473 22.0 Right titled 802.11n 40M 134/5670 91.74% 1.09 0.259 0.13 8.86 10.00 1.200 0.300 0.367 22.0 Right theek 802.11n 40M 134/5670 91.74% 1.09 0.259 0.13 8.86 10.00 1.236 0.396 22.0 Right cheek 802.11n 40M 134/5670 91.74% 1.09 0.259 0.13 8.86 10.00 1.236 0.396 22.0 Right cheek 802.11n 40M 134/5670 91.74% 1.09 0.259 0.13 8.86 10.00 1.236 0.396 22.0	Top side	802.11a	136/5680	93.11%	1.074	0.900	0.01	15.31	17.00	1.476	1.426	22.0
Top side 802.11a 100/5500 93.11% 1.074 0.356 0.09 12.33 14.00 1.469 0.562 22.0 Top side 802.11a 144/5720 93.11% 1.074 0.347 0.09 12.41 14.00 1.442 0.537 22.0 Product specific 10gSAR Test Data at the worst case with Battery 2# Top side 802.11a 136/5680 93.11% 1.074 0.765 0.18 15.31 17.00 1.476 1.129 22.0 Product specific 10gSAR Test Data at the worst case with Battery 3# Top side 802.11a 136/5680 93.11% 1.074 0.813 0.13 15.31 17.00 1.476 1.200 22.0 WiFi 2 Test data	Top side	802.11a	104/5520	93.11%	1.074	0.743	0.10	15.18	17.00	1.521	1.213	22.0
Top side 802.11a 144/5720 93.11% 1.074 0.347 0.09 12.41 14.00 1.442 0.537 22.0 Product specific 10gSAR Test Data at the worst case with Battery 2# Top side 802.11a 136/5680 93.11% 1.074 0.765 0.18 15.31 17.00 1.476 1.129 22.0 Product specific 10gSAR Test Data at the worst case with Battery 3# Top side 802.11a 136/5680 93.11% 1.074 0.813 0.13 15.31 17.00 1.476 1.200 22.0 WiFi 2 Test data	Top side	802.11a	116/5580	93.11%	1.074	0.780	0.05	15.28	17.00	1.486	1.245	22.0
Top side 802.11a 136/5680 93.11% 1.074 0.765 0.18 15.31 17.00 1.476 1.129 22.0	Top side	802.11a	100/5500	93.11%	1.074	0.356	0.09	12.33	14.00	1.469	0.562	22.0
Top side 802.11a 136/5680 93.11% 1.074 0.765 0.18 15.31 17.00 1.476 1.129 22.0	Top side	802.11a	144/5720	93.11%	1.074	0.347	0.09	12.41	14.00	1.442	0.537	22.0
Top side 802.11a 136/5680 93.11% 1.074 0.813 0.13 15.31 17.00 1.476 1.200 22.0			р	roduct sp	ecific 10gSAR	Test Data at	the worst	case with Batt	ery 2#		<u>I</u>	
Top side 802.11a 136/5680 93.11% 1.074 0.813 0.13 15.31 17.00 1.476 1.200 22.0	Top side	802.11a			_					1.476	1.129	22.0
Top side 802.11a 136/5680 93.11% 1.074 0.813 0.13 15.31 17.00 1.476 1.200 22.0	· · ·	l .			ecific 10gSAR	Test Data at	the worst	case with Batt	ery 3#	I		
Test mode position Test mode	Top side	802.11a								1.476	1.200	22.0
Position Pest Hode Ch./Freq. Cycle Scaled factor (W/kg)1-g drift(dB) power(dBm) Limit(dBm) factor SAR(W/kg) Temp.			•			WiFi 2 Test	data					
Head Test data U-NII-2C Head Test data U-NI		Test mode			Duty Cycle							-
Left cheek 802.11n 40M 54/5270 91.74% 1.09 0.090 0.09 9.79 11.00 1.321 0.130 22.0 Left tilted 802.11n 40M 54/5270 91.74% 1.09 0.104 0.08 9.79 11.00 1.321 0.150 22.0 Right cheek 802.11n 40M 54/5270 91.74% 1.09 0.262 0.04 9.79 11.00 1.321 0.377 22.0 Right tilted 802.11n 40M 54/5270 91.74% 1.09 0.304 0.09 9.79 11.00 1.321 0.438 22.0 Right tilted 802.11n 40M 62/5310 91.74% 1.09 0.157 -0.03 8.89 10.00 1.291 0.221 22.0 Head Test data U-NII-2C Left cheek 802.11n 40M 134/5670 91.74% 1.09 0.184 0.09 10.13 11.00 1.222 0.245 22.0 Left tilted 802.11n 40M 134/5670 91.74% 1.09 0.237 0.02 10.13 11.00 1.222 0.316 22.0 Right cheek 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.473 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.340 0.11 10.13 11.00 1.222 0.453 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.340 0.11 10.13 11.00 1.222 0.453 22.0 Right cheek 802.11n 40M 102/5510 91.74% 1.09 0.259 0.13 8.86 10.00 1.300 0.367 22.0 Right cheek 802.11n 40M 142/5710 91.74% 1.09 0.294 0.17 9.08 10.00 1.236 0.396 22.0 Head Test data U-NII-3	position	rest mode	Ch./Freq.	Cycle				power(dBm)	Limit(dBm)	factor	SAR(W/kg)	Temp.
Left tilted 802.11n 40M 54/5270 91.74% 1.09 0.104 0.08 9.79 11.00 1.321 0.150 22.0 Right cheek 802.11n 40M 54/5270 91.74% 1.09 0.262 0.04 9.79 11.00 1.321 0.377 22.0 Right tilted 802.11n 40M 54/5270 91.74% 1.09 0.304 0.09 9.79 11.00 1.321 0.438 22.0 Right tilted 802.11n 40M 62/5310 91.74% 1.09 0.157 -0.03 8.89 10.00 1.291 0.221 22.0 Head Test data U-NII-2C Left cheek 802.11n 40M 134/5670 91.74% 1.09 0.184 0.09 10.13 11.00 1.222 0.245 22.0 Right cheek 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.473 22.0 Right tilted 802.11n 40M 13	1 -44 -11-	000 44= 4014	E4/E070	04.740/				0.70	44.00	4 204	0.400	20.0
Right cheek 802.11n 40M 54/5270 91.74% 1.09 0.262 0.04 9.79 11.00 1.321 0.377 22.0 Right tilted 802.11n 40M 54/5270 91.74% 1.09 0.304 0.09 9.79 11.00 1.321 0.438 22.0 Right tilted 802.11n 40M 62/5310 91.74% 1.09 0.157 -0.03 8.89 10.00 1.291 0.221 22.0 Head Test data U-NII-2C Left cheek 802.11n 40M 134/5670 91.74% 1.09 0.184 0.09 10.13 11.00 1.222 0.245 22.0 Left tilted 802.11n 40M 134/5670 91.74% 1.09 0.237 0.02 10.13 11.00 1.222 0.316 22.0 Right cheek 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.473 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.340 0.11 10.13 11.00 1.222 0.453 22.0 Right cheek 802.11n 40M 134/5670 91.74% 1.09 0.259 0.13 8.86 10.00 1.300 0.367 22.0 Right cheek 802.11n 40M 102/5510 91.74% 1.09 0.294 0.17 9.08 10.00 1.236 0.396 22.0 Head Test data U-NII-3								1				
Right tilted 802.11n 40M 54/5270 91.74% 1.09 0.304 0.09 9.79 11.00 1.321 0.438 22.0 Right tilted 802.11n 40M 62/5310 91.74% 1.09 0.157 -0.03 8.89 10.00 1.291 0.221 22.0 Head Test data U-NII-2C Left cheek 802.11n 40M 134/5670 91.74% 1.09 0.184 0.09 10.13 11.00 1.222 0.245 22.0 Left tilted 802.11n 40M 134/5670 91.74% 1.09 0.237 0.02 10.13 11.00 1.222 0.316 22.0 Right cheek 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.473 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.340 0.11 10.13 11.00 1.222 0.453 22.0 Right cheek 802.11n 40M 102/5510 91.74% 1.09 0.259 0.13 8.86 10.00 1.300 0.367 22.0 Right cheek 802.11n 40M 142/5710 91.74% 1.09 0.294 0.17 9.08 10.00 1.236 0.396 22.0 Head Test data U-NII-3								1				
Right tilted 802.11n 40M 62/5310 91.74% 1.09 0.157 -0.03 8.89 10.00 1.291 0.221 22.0 Head Test data U-NII-2C Left cheek 802.11n 40M 134/5670 91.74% 1.09 0.184 0.09 10.13 11.00 1.222 0.245 22.0 Left tilted 802.11n 40M 134/5670 91.74% 1.09 0.237 0.02 10.13 11.00 1.222 0.316 22.0 Right cheek 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.473 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.340 0.11 10.13 11.00 1.222 0.453 22.0 Right cheek 802.11n 40M 102/5510 91.74% 1.09 0.259 0.13 8.86 10.00 1.300 0.367 22.0 Right cheek 802.11n 40M 142/5710 91.74% 1.09 0.294 0.17 9.08 10.00 1.236 0.396 22.0 Head Test data U-NII-3				-								
Head Test data U-NII-2C Left cheek 802.11n 40M 134/5670 91.74% 1.09 0.184 0.09 10.13 11.00 1.222 0.245 22.0 Left tilted 802.11n 40M 134/5670 91.74% 1.09 0.237 0.02 10.13 11.00 1.222 0.316 22.0 Right cheek 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.473 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.340 0.11 10.13 11.00 1.222 0.453 22.0 Right cheek 802.11n 40M 102/5510 91.74% 1.09 0.259 0.13 8.86 10.00 1.300 0.367 22.0 Right cheek 802.11n 40M 142/5710 91.74% 1.09 0.294 0.17 9.08 10.00 1.236 0.396 22.0 Head Test data U-NII-3												
Left cheek 802.11n 40M 134/5670 91.74% 1.09 0.184 0.09 10.13 11.00 1.222 0.245 22.0 Left tilted 802.11n 40M 134/5670 91.74% 1.09 0.237 0.02 10.13 11.00 1.222 0.316 22.0 Right cheek 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.473 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.340 0.11 10.13 11.00 1.222 0.453 22.0 Right cheek 802.11n 40M 102/5510 91.74% 1.09 0.259 0.13 8.86 10.00 1.300 0.367 22.0 Right cheek 802.11n 40M 142/5710 91.74% 1.09 0.294 0.17 9.08 10.00 1.236 0.396 22.0 Head Test data U-NII-3	Right tilted	802.11n 40M	62/5310	91.74%	l			8.89	10.00	1.291	0.221	22.0
Left tilted 802.11n 40M 134/5670 91.74% 1.09 0.237 0.02 10.13 11.00 1.222 0.316 22.0 Right cheek 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.473 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.340 0.11 10.13 11.00 1.222 0.453 22.0 Right cheek 802.11n 40M 102/5510 91.74% 1.09 0.259 0.13 8.86 10.00 1.300 0.367 22.0 Right cheek 802.11n 40M 142/5710 91.74% 1.09 0.294 0.17 9.08 10.00 1.236 0.396 22.0 Head Test data U-NII-3				1								1
Right cheek 802.11n 40M 134/5670 91.74% 1.09 0.355 0.16 10.13 11.00 1.222 0.473 22.0 Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.340 0.11 10.13 11.00 1.222 0.453 22.0 Right cheek 802.11n 40M 102/5510 91.74% 1.09 0.259 0.13 8.86 10.00 1.300 0.367 22.0 Right cheek 802.11n 40M 142/5710 91.74% 1.09 0.294 0.17 9.08 10.00 1.236 0.396 22.0 Head Test data U-NII-3												
Right tilted 802.11n 40M 134/5670 91.74% 1.09 0.340 0.11 10.13 11.00 1.222 0.453 22.0 Right cheek 802.11n 40M 102/5510 91.74% 1.09 0.259 0.13 8.86 10.00 1.300 0.367 22.0 Right cheek 802.11n 40M 142/5710 91.74% 1.09 0.294 0.17 9.08 10.00 1.236 0.396 22.0 Head Test data U-NII-3								1				
Right cheek 802.11n 40M 102/5510 91.74% 1.09 0.259 0.13 8.86 10.00 1.300 0.367 22.0 Right cheek 802.11n 40M 142/5710 91.74% 1.09 0.294 0.17 9.08 10.00 1.236 0.396 22.0 Head Test data U-NII-3		1000 115 1011	134/5670	91.74%								
Right cheek 802.11n 40M 142/5710 91.74% 1.09 0.294 0.17 9.08 10.00 1.236 0.396 22.0 Head Test data U-NII-3	,					0.040	0.11	10.13	11.00	1 222	0.453	22.0
Head Test data U-NII-3	Ū	802.11n 40M		†							0.400	
	a	802.11n 40M 802.11n 40M	102/5510	†		0.259		8.86				
Left cheek 802.11n 40M 151/5755 91.74% 1.09 0.154 0.04 9.75 11.00 1.334 0.224 22.0	Right cheek	802.11n 40M 802.11n 40M	102/5510	91.74%	1.09	0.259	0.13	8.86	10.00	1.300	0.367	22.0
		802.11n 40M 802.11n 40M 802.11n 40M	102/5510 142/5710	91.74% 91.74%	1.09 1.09	0.259 0.294	0.13 0.17	8.86	10.00	1.300	0.367	22.0
Left tilted 802.11n 40M 151/5755 91.74% 1.09 0.147 0.05 9.75 11.00 1.334 0.214 22.0		802.11n 40M 802.11n 40M 802.11n 40M	102/5510 142/5710	91.74% 91.74%	1.09 1.09	0.259 0.294 ead Test data	0.13 0.17 U-NII-3	8.86 9.08	10.00	1.300 1.236	0.367 0.396	22.0 22.0
Right cheek 802.11n 40M 151/5755 91.74% 1.09 0.273 -0.12 9.75 11.00 1.334 0.397 22.0	Left cheek	802.11n 40M 802.11n 40M 802.11n 40M 802.11n 40M	102/5510 142/5710 151/5755	91.74% 91.74% 91.74%	1.09 1.09 He 1.09	0.259 0.294 ead Test data 0.154	0.13 0.17 U-NII-3 0.04	8.86 9.08 9.75	10.00 10.00	1.300 1.236 1.334	0.367 0.396	22.0 22.0 22.0

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Right tilted	802.11n 40M	151/5755	91.74%	1.09	0.276	0.18	9.75	11.00	1.334	0.401	22.0
Right tilted	802.11n 40M	159/5795	91.74%	1.09	0.199	0.08	9.61	11.00	1.377	0.299	22.0
				Head Test Data	at the worst	case with	Battery 2#				
Right cheek	802.11n 40M	134/5670	91.74%	1.09	0.330	0.03	10.13	11.00	1.222	0.403	22.0
				Head Test Data	at the worst	case with	Battery 3#				
Right cheek	802.11n 40M	134/5670	91.74%	1.09	0.350	-0.02	10.13	11.00	1.222	0.428	22.0
				Body worn Tes	st data U-NII-	2A(Separa	te 15mm)				
Front side	802.11a	60/5300	93.14%	1.074	0.037	0.17	13.15	14.00	1.216	0.048	22.0
Back side	802.11a	60/5300	93.14%	1.074	0.024	0.15	13.15	14.00	1.216	0.031	22.0
Front side	802.11a	52/5260	93.14%	1.074	0.018	-0.02	12.96	14.00	1.271	0.024	22.0
Front side	802.11a	64/5320	93.14%	1.074	0.009	0.01	10.23	11.00	1.194	0.011	22.0
		T		Body worn Tes	t data U-NII-		te 15mm)				1
Front side	802.11a	132/5660	93.14%	1.074	0.065	-0.12	13.35	14.00	1.161	0.081	22.0
Back side	802.11a	132/5660	93.14%	1.074	0.052	0.17	13.35	14.00	1.161	0.065	22.0
Front side	802.11a	104/5520	93.14%	1.074	0.035	0.11	12.83	14.00	1.309	0.049	22.0
Front side	802.11a	116/5580		1.074	0.030	0.08	13.09	14.00	1.233	0.039	22.0
Front side	802.11a		93.14%	1.074	0.013	0.16	9.82	11.00	1.312	0.018	22.0
Front side	802.11a	144/5720	93.14%	1.074	0.004	0.12	10.35	11.00	1.161	0.005	22.0
				Body worn Te				•	1		ī
Front side	802.11a	149/5745		1.074	0.044	0.09	12.81	14.00	1.315	0.062	22.0
Back side	802.11a	149/5745		1.074	0.042	0.13	12.81	14.00	1.315	0.059	22.0
Front side	802.11a	157/5785		1.074	0.026	0.11	12.52	14.00	1.406	0.040	22.0
Front side	802.11a	165/5825		1.074	0.030	-0.05	12.56	14.00	1.393	0.045	22.0
				dy worn Test D							1
Front side	802.11a	132/5660		1.074	0.049	0.15	13.35	14.00	1.161	0.057	22.0
				dy worn Test D			_		44		T
Front side	802.11a	132/5660	93.14%	1.074	0.048	0.11	13.35	14.00	1.161	0.056	22.0
		T	T	Hotspot Test							
Front side	802.11a	48/5240	93.14%	1.074	0.043	0.01	12.72	14.00	1.343	0.062	22.0
Back side	802.11a	48/5240	93.14%	1.074	0.038	0.17	12.72	14.00	1.343	0.055	22.0
Left side	802.11a	48/5240	93.14%	1.074	0.003	0.12	12.72	14.00	1.343	0.005	22.0
Top side	802.11a	48/5240	93.14%	1.074	0.016	0.08	12.72	14.00	1.343	0.023	22.0
Front side	802.11a	36/5180	93.14%	1.074	0.008	0.00	9.64	11.00	1.368	0.012	22.0
Front side	802.11a	40/5200	93.14%	1.074	0.027	-0.05	12.52	14.00	1.406	0.040	22.0
Face to date	000.44-	4.40/57.45	00.440/	Hotspot Test				44.00	4 045	0.400	00.0
Front side	802.11a		93.14%	1.074	0.075	0.14	12.81	14.00	1.315	0.106	22.0
Back side	802.11a	149/5745	-	1.074	0.062	-0.09	12.81	14.00	1.315	0.088	22.0
Left side	802.11a	149/5745	1	1.074	0.022	0.05	12.81	14.00	1.315	0.031	22.0
Top side Front side	802.11a	149/5745		1.074	0.036	0.13	12.81	14.00	1.315	0.051	22.0
	802.11a		93.14%	1.074	0.051 0.049	0.11	12.52	14.00 14.00	1.406	0.077	22.0
Front side	802.11a	165/5825		1.074		-0.06	12.56	14.00	1.393	0.073	22.0
Front oido	802.11a	149/5745		otspot Test Da	0.068	0.16	_	14.00	1.315	0.000	22.0
Front side	002.11a	149/3743	L	otspot Test Da		l .	12.81	14.00	1.313	0.089	22.0
Front side	802.11a	149/5745		1.074	0.069	0.18	12.81	14.00	1.315	0.091	22.0
Test		Test	Duty	Duty Cycle	SAR	Power	Conducted	Tune up	Scaled	Scaled	Liquid
position	Test mode	Ch./Freq.		Scaled factor			power(dBm)			SAR(W/kg)	
				ct specific 10gS			(Separate 0mi	m)			
Front side	802.11a	60/5300	93.14%	1.074	0.245	0.17	13.15	14.00	1.216	0.320	22.0
Back side	802.11a	60/5300	93.14%	1.074	0.122	-0.18	13.15	14.00	1.216	0.159	22.0
Left side	802.11a	60/5300	93.14%	1.074	0.041	0.02	13.15	14.00	1.216	0.054	22.0
Top side	802.11a	60/5300	93.14%	1.074	0.146	0.11	13.15	14.00	1.216	0.191	22.0
Front side	802.11a	52/5260	93.14%	1.074	0.225	-0.11	12.96	14.00	1.271	0.307	22.0

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Front side	802.11a	64/5320	93.14%	1.074	0.119	0.00	10.23	11.00	1.194	0.153	22.0			
			produc	t specific 10gS	SAR Test dat	a U-NII-2C	Separate 0m	m)						
Front side	802.11a	132/5660	93.14%	1.074	0.315	-0.16	13.35	14.00	1.161	0.393	22.0			
Back side	802.11a	132/5660	93.14%	1.074	0.199	0.05	13.35	14.00	1.161	0.248	22.0			
Left side	802.11a	132/5660	93.14%	1.074	0.073	-0.15	13.35	14.00	1.161	0.091	22.0			
Top side	802.11a	132/5660	93.14%	1.074	0.171	0.02	13.35	14.00	1.161	0.213	22.0			
Front side	802.11a	104/5520	93.14%	1.074	0.265	0.02	12.83	14.00	1.309	0.373	22.0			
Front side	802.11a	116/5580	93.14%	1.074	0.270	0.11	13.09	14.00	1.233	0.358	22.0			
Front side	802.11a	100/5500	93.14%	1.074	0.134	-0.09	9.82	11.00	1.312	0.189	22.0			
Front side	802.11a	144/5720 9	93.14%	1.074	0.174	0.16	10.35	11.00	1.161	0.217	22.0			
		pro	oduct sp	ecific 10gSAR	Test Data at	the worst	ase with Batt	ery 2#						
Front side	802.11a	132/5660	93.14%	1.074	0.284	0.12	13.35	14.00	1.161	0.330	22.0			
		pro	oduct sp	ecific 10gSAR	Test Data at	the worst	case with Batt	ery 3#						
Front side	802.11a	132/5660	93.14%	1.074	0.301	0.06	13.35	14.00	1.161	0.350	22.0			
					•									

Table 64: SAR of 5GHz WIFI for Head. Body and Limb(Original report E5/2018/C0055).

	SAN 01 3G				WiFi 1 Test						
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)		Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
				Head Te	est data at th	e worst cas	se				
Left tilted	802.11ac-80M	138/5690	91.32%	1.095	0.261	0.08	7.32	9.00	1.472	0.421	22.2
			Body	worn Test data	a at the wors	t case (Se	parate 15mm)				
Back side	802.11a	136/5680	93.11%	1.074	0.129	-0.09	15.31	17.00	1.476	0.204	22.2
			Hot	spot Test data	at the worst	case (Sepa	arate 10mm)				
Top side	802.11a	149/5745	93.11%	1.074	0.282	-0.06	15.54	17.00	1.400	0.424	22.2
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)10-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
		pro	duct spe	ecific 10gSAR	Test data at	the worst	case (Separate	e 0mm)			
Top side	802.11a	136/5680	93.11%	1.074	0.713	0.02	15.31	17.00	1.476	1.130	22.2
WiFi 2 Test data											
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)		Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
				Head Te	est data at th	e worst ca	se				
Right cheek	802.11n 40M	134/5670	91.74%	1.09	0.159	0.07	10.13	11.00	1.222	0.212	22.2
			Body	worn Test data	a at the wors	t case (Se	parate 15mm)				
Front side	802.11a	132/5660	93.14%	1.074	0.037	-0.06	13.35	14.00	1.161	0.046	22.2
			Hot	spot Test data	at the worst	case (Sepa	arate 10mm)				
Front side	802.11a	149/5745	93.14%	1.074	0.053	-0.11	12.81	14.00	1.315	0.075	22.2
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)10-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
		nr	aduat and	oific 10aCAD T	oct data at t	ho worst o	ase (Separate	Omm)			
		pro	buuct spe	Build TugoAK I	esi uala al l	HE WOISE G	ase (Separate	Ollilli)			

Table 65: SAR of 5GHz WIFI for Head, Body and Limb(Original report E5/2018/C0055).

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

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	WiFi 1 Test data														
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.				
				Head Tes	t data at the	worst case									
Left tilted	802.11ac-80M	138/5690	91.32%	1.095	0.255	-0.03	7.32	9.00	1.472	0.411	22.2				
Body worn Test data at the worst case (Separate 15mm)															
Back side															
	Hotspot Test data at the worst case (Separate 10mm)														
Top side 802.11a 149/5745 93.11% 1.074 0.342 -0.04 15.54 17.00 1.400 0.514 22.2															
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)10-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.				
		prod					se (Separate	0mm)	44						
Top side	product specific 10gSAR Test data at the worst case (Separate 0mm) Top side 802.11a 136/5680 93.11% 1.074 0.895 0.14 15.31 17.00 1.476 1.418 22.2														
				W	iFi 2 Test da	ata									
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.				
•				Head Tes	t data at the					<u> </u>					
Right cheek	802.11n 40M	134/5670	91.74%	1.09	0.186	0.07	10.13	11.00	1.222	0.248	22.2				
		•	Body v	vorn Test data	at the worst of	case (Sepa	rate 15mm)	•							
Front side	802.11a	132/5660	93.14%	1.074	0.038	-0.09	13.35	14.00	1.161	0.048	22.2				
			Hotsp	oot Test data at	the worst ca	se (Separa	ate 10mm)								
Front side	802.11a	149/5745	93.14%	1.074	0.058	-0.01	12.81	14.00	1.315	0.082	22.2				
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)10-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.				
	product specific 10gSAR Test data at the worst case (Separate 0mm)														
Front side	802.11a	132/5660	93.14%	1.074	0.221	-0.03	13.35	14.00	1.161	0.276	22.2				

Table 66: SAR of 5GHz WIFI for Head, Body and Limb(Variant) Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B
- 2) If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg (2W/kg for 10g) then testing at the other channels is not required for such test configuration(s).
- 3) Each channel was tested at the lowest data rate.
- 4) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration.
- 5) For Wi-Fi 5G, U-NII-2A (5250-5350 MHz) and U-NII-2C (5470-5725 MHz) bands does not support hotspot function.
- 6) When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is \leq 1.2 W/kg, SAR test for the other 802.11 modes are not required.

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No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

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8.3.17 SAR Result of Bluetooth

					Ant1 Test	data					
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
					Head Test	data					
Left cheek	DH5	39/2441	100.00%	1.000	0.055	-0.16	10.52	11.70	1.312	0.073	22.0
Left tilted	DH5	39/2441	100.00%	1.000	0.030	-0.03	10.52	11.70	1.312	0.039	22.0
Right cheek	DH5	39/2441	100.00%	1.000	0.031	0.06	10.52	11.70	1.312	0.041	22.0
Right tilted	DH5	39/2441	100.00%	1.000	0.042	0.16	10.52	11.70	1.312	0.055	22.0
Left cheek	DH5	11/2413	100.00%	1.000	0.057	0.06	10.43	11.70	1.340	0.077	22.0
Left cheek	DH5	58/2460	100.00%	1.000	0.060	0.05	10.49	11.70	1.321	0.079	22.0
			F	lead Test Data	at the worst	case with I	Battery 2#		W		
Left cheek	DH5	58/2460	100.00%	1.000	0.056	0.01	10.49	11.70	1.321	0.074	22.0
		•	F	lead Test Data	at the worst	case with	Battery 3#				
Left cheek	DH5	58/2460	100.00%	1.000	0.043	-0.09	10.49	11.70	1.321	0.057	22.0
				Body worn	Test data(S	eparate 15	mm)				
Front side	DH5	39/2441	100.00%	1.000	0.009	-0.08	10.52	11.70	1.312	0.011	22.0
Back side	DH5	39/2441	100.00%	1.000	0.010	-0.03	10.52	11.70	1.312	0.014	22.0
Back side	DH5	11/2413	100.00%	1.000	0.011	0.07	10.43	11.70	1.340	0.014	22.0
Back side	DH5	58/2460	100.00%	1.000	0.007	0.09	10.49	11.70	1.321	0.009	22.0
			В	ody Test Data	at the worst	case with E	Battery 2#			•	
Back side	DH5	11/2413	100.00%	1.000	0.010	-0.05	10.43	11.70	1.340	0.013	22.0
		•	В	ody Test Data	at the worst	case with E	Battery 3#				
Back side	DH5	11/2413	100.00%	1.000	0.009	-0.01	10.43	11.70	1.340	0.012	22.0
				Hotspot T	est data (Se	parate 10m	nm)				
Front side	DH5	39/2441	100.00%	1.000	0.012	-0.17	10.52	11.70	1.312	0.016	22.0
Back side	DH5	39/2441	100.00%	1.000	0.014	-0.05	10.52	11.70	1.312	0.019	22.0
Right side	DH5	39/2441	100.00%	1.000	0.006	-0.02	10.52	11.70	1.312	0.008	22.0
Top side	DH5	39/2441	100.00%	1.000	0.031	-0.03	10.52	11.70	1.312	0.041	22.0
Top side	DH5	11/2413	100.00%	1.000	0.025	-0.02	10.43	11.70	1.340	0.033	22.0
Top side	DH5	58/2460	100.00%	1.000	0.026	-0.04	10.49	11.70	1.321	0.035	22.0
Į.		•	F	lead Test Data	at the worst	case with I	Battery 2#			•	
Top side	DH5	39/2441	100.00%	1.000	0.026	-0.16	10.52	11.70	1.312	0.034	22.0
		1	F	lead Test Data	at the worst	case with	Battery 3#			1	
Top side	DH5	39/2441	100.00%	1.000	0.022	-0.02	10.52	11.70	1.312	0.029	22.0

Table 67: SAR of Bluetooth for Head & Body(Original report E5/2018/C0055).

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	Ant1 Test data													
Test position														
				Head Te	st data at th	e worst cas	se							
Left cheek	Left cheek DH5 58/2460 100.00% 1.000 0.073 0.08 10.49 11.70 1.321 0.097 22.0													
			Body	worn Test data	at the wors	t case (Sep	parate 15mm)							
Back side	DH5	11/2413	100.00%	1.000	0.011	0.08	10.43	11.70	1.340	0.015	22.0			
	Hotspot Test data at the worst case (Separate 10mm)													
Top side DH5 39/2441 100.00% 1.000 0.041 -0.02 10.52 11.70 1.312 0.054 22.0														

Table 68: SAR of Bluetooth for Head & Body(Original report E5/2018/C0055).

	Ant1 Test data													
										Scaled SAR(W/kg)	Liquid Temp.			
	Head Test data at the worst case													
Left cheek DH5 58/2460 100.00% 1.000 0.108 0.08 10.49 11.70 1.321 0.143 22.0														
			Body	worn Test data	at the wors	t case (Se	parate 15mm)							
Back side	DH5	11/2413	100.00%	1.000	0.011	-0.01	10.43	11.70	1.340	0.014	22.0			
	Hotspot Test data at the worst case (Separate 10mm)													
Top side DH5 39/2441 100.00% 1.000 0.039 -0.05 10.52 11.70 1.312 0.051 22.0														

Table 69: SAR of Bluetooth for Head & Body(Variant)

Note:

- The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B
- If the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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8.4 Multiple Transmitter Evaluation

8.4.1 Simultaneous SAR SAR test evaluation

Simultaneous Transmission Combination

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

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27	GSM Voice(Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	N/A	Yes
28	GSM DATA(Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	N/A	Yes	Yes	Yes
29	UMTS (Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes
30	UMTS (Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes
31	LTE (Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes
32	LTE (Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes
33	GSM Voice(Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	N/A	Yes
34	GSM DATA(Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	N/A	Yes	Yes	Yes
35	GSM Voice(Ant 2) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	N/A	Yes
36	GSM DATA (Ant 2)+ BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	N/A	Yes	Yes	Yes
37	UMTS (Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes
38	UMTS (Ant 2) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes
39	LTE (Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes
40	LTE (Ant 2) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes

Note:

- 1) Neither Wi-Fi 2.4G Ant.1 nor Wi-Fi 2.4G Ant.2 can transmit simultaneously with Bluetooth.
- 2) Wi-Fi 5G Ant.1 can transmit simultaneously with Bluetooth and Ant.2 also can transmit simultaneously with
- 3) Wi-Fi 2.4G has two TX antennas. Wi-Fi 2.4G 802.11g/n support 2*2 CDD/MIMO function.
- 4) Wi-Fi 5G has two TX antennas. Wi-Fi 5G 802.11 a/n/ac support 2*2 CDD/MIMO function.
- 5) Wi-Fi 2.4G& Wi-Fi 5G can't work at same mode, but they can transmit simultaneously at different modes (Wi-Fi station/P-to-P) by using different Wi-Fi antennas. Only Wi-Fi 2.4G Ant1 station mode and Wi-Fi 5G Ant2 P-to-P mode or Wi-Fi 2.4G Ant1 P-to-P mode and Wi-Fi 5G Ant2 P-to-P mode can transmit simultaneously.
- 6) The device does not support DTM function.
- 7) * VoLTE or pre-installed VOIP applications are considered.
- 8) The 2G/3G/4G Main Antenna and 2G/3G/4G Second Antenna can't transmit simultaneously.
- 9) For Wi-Fi 5G, U-NII-2A (5250-5350 MHz) and U-NII-2C (5470-5725 MHz) bands does not support hotspot function.
- 10) The device supports Vo-WIFI function.
- 11) WiFi 5G ANT1 and WiFi 2.4G ANT2 can not transmit simultaneously.

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Simultaneous Transmission SAR Summation Scenario

			-				Mai	n Antenn	a SARm	ax (W/k	g)	-					,	WiFi Anten	na SARmax	(W/kg)	ξ		Summed
To	st position	GSM 850	GSM 1900	WCDMA Band II	WCDMA Band IV	WCDMA Band V	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 17	LTE Band 26	LTE Band 38	LTE Band 41	WLAN 2.4G Ant1	WLAN 2.4G Ant2	WLAN 5G Ant1	WLAN 5G Ant2	WLAN 2.4G MIMO	WLAN 5G MIMO	вт	1g SARmax (W/kg)
	Left Touch	0.156	0.075	0.160	0.096	0.266	0.158	0.161	0.148	0.075	0.124	0.133	0.166	0.019	0.021	0.504	0.012	0.402	0.245	0.516	0.647	0.143	1.056
Head	Left Titt	0.099	0.024	0.049	0.034	0.138	0.035	0.029	0.097	0.050	0.082	0.079	0.099	0.009	0.012	0.760	0.006	0.516	0.316	0.766	0.832	0.039	1.214
Linan	Right Touch	0.284	0.064	0.118	0.132	0.366	0.096	0.107	0.252	0.115	0.195	0.192	0.256	0.073	0.078	0.293	0.154	0.239	0.473	0.447	0.712	0.041	1.132
	Right Tilt	0.096	0.082	0.094	0.041	0.141	0.084	0.045	0.116	0.079	0.074	0.074	0.105	0.017	0.025	0.389	0.037	0.284	0.453	0.426	0.737	0.055	0.983
Body	Front	0.505	0.403	0 622	0.461	0.414	0.586	0.517	0.348	0.393	0.262	0.260	0.222	0.233	0.250	0.125	0.007	0.133	0.081	0.132	0.214	0.011	0.847
worn	Back	0.609	0.365	0.486	0.496	0.495	0.618	0.513	0.418	0.445	0.297	0.278	0.363	0.144	0.179	0.198	0.168	0.244	0.065	0.366	0.309	0.015	1.012
	Front	0.778	0.292	0.309	0.358	0.603	0.344	0.289	0.517	0.299	0.335	0.343	0.381	0.285	0.216	0.219	0.009	0.231	0.106	0.228	0.337	0.016	1.131
	Back	0.906	0.318	0.316	0.314	0.729	0.339	0.314	0.593	0.314	0.375	0.386	0.550	0.214	0.186	0.293	0.288	0.347	0.088	0.581	0.435	0.019	1.487
	Left	0.165	0.090	0.117	0.045	0.123	0.113	0.042	0.104	0.102	0.107	0.110	0.128	0.079	0.094	1	0.033	-1	0.031	0.033	0.031	1	0.198
Hotspot	Right	0.596	0.030	0 025	0.024	0.448	0.064	0.033	0.376	0.072	0.290	0.276	0.383	0.055	0.065	0.178	7	0.129	1	0.178	0.129	0.008	0.774
	Тор	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.788	0.003	0.700	0.051	0.791	0.751	0.054	0.839
	Bottom	0.577	0.903	0.863	0.599	0.385	0.901	0.586	0.358	0.753	0.222	0.225	0.373	0.704	0.553	1	1	1	1	1	1-	1	0.903
							Mai	n Antenn	ta SARm	ax (W/k	g)							WiFi Anten	ina SARmax	(W/kg)			Summed
Te	st position	GSM 850	GSM 1900	WCDMA Band II	WCDMA Band IV		LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 17	LTE Band 26	LTE Band 38	LTE Band 41	WLAN 2.4G Ant1	WLAN 2.4G Ant2	WLAN 5G Ant1	WLAN 5G Ant2	WLAN 2.4G MIMO	WLAN 5G MIMO	вт	10g SARmax (W/kg)
	Front	1	1	1	1	1	1	1	X.	1	1	1	1	1	1	1	1	1.396	0.393	-1	1.789	1	1.789
	Back	1	- 1	1	1	-1	-1	1	1	1	1	7.	1	1	f	1	1	0.892	0.248	1	1.140	1	1 140
Limb	Left	1	1	1	· E	_/	1	1	1	1	1	1	1	1	1	1		1	0.091	1	0.091	1	0.091
T (t) (II)	Right	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.185	1	1	0.185	1	0.185
	Top	1.	1	1	1	-1	- [1	1	1	1	1	1	1	1.	1	1	1.426	0.213	1	1.639	1	1 639
	Bottom	1	2.670	2.320	2.530	1	2.381	3.215	- 1	1.463	t	1	1	1	1	1	1	1	1	1	1	1	3.215

							Seco	nd Anter	na SAR	max (W/	kg)							WiFi Anten	ına SARmax	(W/kg)			Summed
Te	st position	GSM 850	GSM 1900	WCDMA Band II	WCDMA Band IV	10000	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 17	LTE Band 26	LTE Band 38	LTE Band 41	WLAN 2.4G Ant1	WLAN 2.4G Ant2	WLAN 5G Ant1	WLAN 5G Ant2	WLAN 2.4G MIMO	WLAN 5G MIMO	ВТ	1g SARmax (W/kg)
	Left Touch	0.406	0.414	0.449	0.496	0.699	0.436	0.558	0.489	0.424	0.489	0.500	0.767	0.289	0.583	0.504	0.012	0.402	0.245	0,516	0.647	0.143	1.557
Head	Left Tilt	0.395	0.308	0.377	0.325	0.456	0.369	0.406	0.308	0.446	0.415	0.418	0.419	0.280	0.482	0.760	0.006	0.516	0.316	0.766	0.832	0.039	1.558
neau	Right Touch	0.698	0.504	0.488	0.656	0.493	0.376	0.753	0.648	0.507	0.437	0.715	0.444	0.378	0.389	0.293	0.154	0.239	0.473	0.447	0.712	0.041	1.519
	Right Tilt	0.728	0.569	0.542	0.691	0.432	0.430	0.364	0.624	0.444	0.439	0.401	0.345	0.528	0.343	0.389	0.037	0.284	0.453	0.426	0.737	0.055	1.570
Body	Front	0.294	0.235	0.189	0.249	0.232	0.138	0.298	0.226	0.131	0.250	0.252	0.206	0.134	0.070	0.125	0.007	0.133	0.081	0.132	0.214	0.011	0.523
worn	Back	0.269	0.318	0.519	0.343	0.262	0.405	0.409	0.176	0.243	0.219	0.197	0.165	0.163	0.131	0.198	0.168	0.244	0.065	0.366	0.309	0.015	0.885
	Front	0.299	0.188	0.144	0.212	0.257	0.104	0.259	0.185	0 272	0.260	0.296	0.185	0.159	0.087	0.219	0.009	0.231	0.106	0.228	0.337	0.016	0.652
	Back	0.253	0.251	0.205	0.282	0.212	0.177	0.360	0.217	0.334	0.180	0.218	0.262	0.172	0.116	0.293	0.288	0.347	0.088	0.581	0.435	0.019	0.941
totspot	Left	0.104	0.179	0.123	0.212	0.073	0.125	0.321	0.066	0.180	0.091	0.080	0.064	0.078	0.104	1	0.033	1	0.031	0.033	0.031	1	0.354
totspot	Right	0.241	0.032	0.033	0.025	0.015	0.028	0.032	0.013	0.027	0.050	0.015	0.012	0.024	0.027	0.178	1	0.129	1	0.178	0.129	800.0	0.419
	Top	0.184	0.389	0.730	0.383	0.162	0.578	0.483	0.149	0.524	0.131	0.161	0.141	0.279	0.238	0.788	0.003	0.700	0.051	0.791	0.751	0.054	1.569
	Bottom	1	1	-1	1	1	1	1	1.	1	1	1.	1	1	. 1	1	. /		1-	1	1.	1	1
							Seco	nd Anter	ma SAR	max (W)	kg)							WiFi Anten	ina SARmax	(W/kg)			Summed
Te	st position	GSM 850	GSM 1900	WCDMA Band II	WCDMA Band IV		LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 17	LTE Band 26	LTE Band 38	LTE Band 41	WLAN 2.4G Ant1	WLAN 2 4G Ant2	WLAN 5G Ant1	WLAN 5G Ant2	WLAN 2.4G MIMO	WLAN 5G MIMO	8T	10g SARmax (W/kg)
	Front	1	1	1	1	1	-t	1	-1	-7	1	1	1	1	1	1	1	1.396	0.393	1	1.789	1	1.789
	Back	1	1	1	1	1	1	1	1	1	1	1.	1	1	1	1	1	0.892	0.248	1.	1.140	1	1.140
Limb	Left	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.091	1	0.091	1	0.091
LIND	Right.	1	1	1	1	1	-sk	1	-1	1	I	1	1	1	1	1	1	0.185	1	1	0.185	1	0.185
	Top	1	1	1	1	1	1.	1	1	1	1.	1	1	1	1	1	1	1.426	0.213	1.	1.639	1	1.639
	Bottom	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

t (886-2) 2299-3279

f (886-2) 2298-0488 www.tw.sgs.com



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Equipment list

Test Platform	SPEAG DASY5 Professional
Description	SAR Test System (Frequency range 300MHz-6GHz)
Software Reference	DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Hardware Reference

		1.1		<u> </u>		
	Equipment	Manufacturer	Model	Serial Number	Calibration Date	Due date of calibration
\boxtimes	Twin Phantom	SPEAG	SAM 1	1283	NCR	NCR
	Twin Phantom	SPEAG	SAM 2	1913	NCR	NCR
	Twin Phantom	SPEAG	SAM 3	1912	NCR	NCR
	Twin Phantom	SPEAG	SAM 4	1640	NCR	NCR
\boxtimes	DAE	SPEAG	DAE4	1428	2018-01-17	2019-01-16
\boxtimes	DAE	SPEAG	DAE4	896	2018-11-08	2019-11-07
	E-Field Probe	SPEAG	EX3DV4	3962	2018-01-11	2019-01-10
\boxtimes	E-Field Probe	SPEAG	EX3DV4	3789	2018-02-08	2019-02-07
\boxtimes	Validation Kits	SPEAG	D750V3	1160	2016-06-22	2019-06-21
	Validation Kits	SPEAG	D835V2	4d105	2016-12-08	2019-12-07
	Validation Kits	SPEAG	D1750V2	1149	2016-06-23	2019-06-22
	Validation Kits	SPEAG	D1900V2	5d028	2016-12-07	2019-12-06
	Validation Kits	SPEAG	D2300V2	1072	2016-06-21	2019-06-20
	Validation Kits	SPEAG	D2450V2	733	2016-12-07	2019-12-06
	Validation Kits	SPEAG	D2600V2	1125	2016-06-22	2019-06-21
\boxtimes	Validation Kits	SPEAG	D5GHzV2	1165	2016-12-13	2019-12-12
\boxtimes	Agilent Network Analyzer	Agilent	E5071C	MY46523590	2018-03-13	2019-03-12
\boxtimes	Dielectric Probe Kit	Agilent	85070E	US01440210	NCR	NCR
\boxtimes	Radio Communication Analyzer	Anritsu Corporation	MT8821C	6201502984	2018-05-02	2019-05-01
	Universal Radio Communication Tester	R&S	CMW500	103990	2018-03-13	2019-03-12
	RF Bi-Directional Coupler	Agilent	86205-60001	MY31400031	NCR	NCR
	Signal Generator	Agilent	N5171B	MY53050736	2018-03-13	2019-03-12
	Preamplifier	Mini-Circuits	ZHL-42W	15542	NCR	NCR
	Preamplifier	Compliance Directions Systems Inc.	AMP28-3W	073501433	NCR	NCR
\boxtimes	Power Meter	Agilent	E4416A	GB41292095	2018-03-13	2019-03-12
	Power Sensor	Agilent	8481H	MY41091234	2018-03-13	2019-03-12
\boxtimes	Power Sensor	R&S	NRP-Z92	100025	2018-03-13	2019-03-12
	Attenuator	SHX	TS2-3dB	30704	NCR	NCR
\boxtimes	Coaxial low pass filter	Mini-Circuits	VLF-2500(+)	NA	NCR	NCR

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	Coaxial low pass filter	Microlab Fxr	LA-F13	NA	NCR	NCR
\boxtimes	50 Ω coaxial load	Mini-Circuits	KARN-50+	00850	NCR	NCR
\boxtimes	DC POWER SUPPLY	SAKO	SK1730SL5A	NA	NCR	NCR
\boxtimes	Speed reading thermometer	MingGao	T809	NA	2018-03-19	2019-03-18
\boxtimes	Humidity and Temperature Indicator	KIMTOKA	KIMTOKA	NA	2018-03-19	2019-03-18

10 Calibration certificate

Please see the Appendix C

11 Photographs

Please see the Appendix D

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Appendix A: Detailed System Check Results

Appendix B: Detailed Test Results

Appendix C: Calibration certificate

Appendix D: Photographs

Appendix E: Antenna Locations

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